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Report: *2010 Fish-Out of the Bay-Goose Basin in Third Portage Lake*

Meadowbank Division:

2010 Fish-out of the Bay-Goose Basin in Third Portage Lake

Report # 4614
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Meadowbank Division: 2010 Fish-Out of the Bay-Goose
Basin in Third Portage Lake

2010

A Report Prepared
for

Agnico Eagle Mines Limited – Meadowbank Division

by

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EXECUTIVE SUMMARY

As part of the project development at Agnico-Eagle Mines: Meadowbank Gold Mine, Nunavut, three fish-out programs are planned. The first fish-out took place during the summer of 2008 in the northwest arm of Second Portage Lake. The second was implemented during the summer of 2010 from the Bay-Goose Basin area in Third Portage Lake. The third is planned for the summer of 2013 from the Vault Lake Basin area. The 2008 and 2010 site specific Fish-out Programs were submitted and approved by the Department of Fisheries and Oceans in accordance with draft DFO Protocols.

The fish-out program in 2010 consisted of two phases. The first was the “CPUE phase” in which gillnetting depleted the fish community, provided an opportunity for fish transfer into the Third Portage East basin and allowed for the estimation of initial abundance and biomass based on the decline in catch-per-unit-effort (CPUE). Once estimates of initial abundance and biomass based on CPUE had met specific criteria that met DFO approval, the “final removal” phase began, during which additional gear types were used and all efforts were made to remove virtually every fish in the basin. Best estimates of the total initial abundance and biomass were 1003 - 1269 fish and 181 - 232 kg based on the Leslie and DeLury methods respectively, not including very small fish that would not be susceptible to the gear. These estimates were found to be low; 161 % of the highest initial abundance and 118 % of the highest initial biomass predicted by the CPUE phase was captured. In 2010, fishing removed a total of 2139 fish from the Bay-Goose basin weighing 273 kg. Thirty six percent of the fish caught were Arctic Char, followed in abundance by Lake Trout (29%), Round Whitefish (24%), Burbot (11%) and a few Ninespine Stickleback.

In 2010, unlike the 2008 fish-out of Second Portage Lake Impoundment, part of the focus of the fish-out program was to transfer as many fish as possible from the Bay-Goose Basin to the main body of Third Portage Lake. From 06 August to 04 October we succeeded in transferring approximately half of all fish captured (59%). The majority of fish transferred were Arctic Char, followed in abundance by Lake Trout, Round Whitefish and Burbot.

All fish were assessed for length, weight, external DELTS, sex, and reproductive status where possible. Fish that died were subjected to an internal examination for sex, reproductive status, and internal DELTS. A further subset of the population of Arctic Char, Lake Trout and Round Whitefish were collected for detailed biological assessment. In addition to the standard parameters, fecundity, age, gonadosomatic indices,

hepatosomatic indices were determined, stomach contents were analyzed, as well as tissue and liver collected for analyses of metal content and mercury content in tissue.

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1.0 INTRODUCTION

1.1 SETTING

The Meadowbank study lakes are situated approximately 75 km north of the hamlet of Baker Lake, Nunavut. Landscape and lake characteristics are described in detail in the 2008 fish-out report for the northwest arm of Second Portage Lake (C6, Azimuth 2009).

1.2 FISH COMMUNITY BACKGROUND

The Meadowbank study lakes are situated in the extreme headwaters of the Quioch River which drains into Chesterfield Inlet and eventually Hudson Bay. St. Clair Falls near the mouth of the Quioch River is a barrier to upstream migration by fish (MacDonald and Stewart 1980). Baseline studies found few or no fish pass between project lakes (Cumberland, 2005). As a result, it is presumed that all char in this area are landlocked (C6, Azimuth 2009). There are no spring spawning species, such as Arctic Grayling (*Thymallus arcticus*) in the Meadowbank study lakes and connecting channels.

Studies examining fish community composition in a number of lakes in the area (Second Portage, Third Portage, Tehek, Meadowbank and six other lakes between five and 30 km from the mine site) consistently found Lake Trout (*Salvelinus namaycush*) tended to dominate in terms of abundance, often making up as much as 78% of the individuals captured (EVS 1998; EVS 1999; BAER 2005; C6, Azimuth 2009). Arctic Char (*Salvelinus alpinus*) and Round Whitefish (*Prosopium cylindraceum*) were the two other species most frequently captured in gill net surveys, together accounting for approximately 20 to 25% of the abundance and biomass of fish captured in historic lake surveys and in the fish-out of Second Portage Lake in 2008. The relative abundance of each species varied considerably between lakes and studies. Although they were generally found in small numbers (BAER 2005) or not at all (EVS 1998; EVS 1999), Burbot (*Lota lota*) accounted for 9 % of fish abundance in Second Portage Lake in 2008. Ninespine Stickleback (*Pungitius pungitius*) and Slimy Sculpin (*Cottus cognatus*) are also known to be present in area lakes as they have been seen in the environment and/or in the stomachs of captured fish (BAER 2005; C6, Azimuth 2009).

1.3 PROJECT BACKGROUND

In the summer of 2010, Agnico-Eagle Mines Ltd. (AEM): Meadowbank Division isolated a bay of Third Portage Lake (Bay-Goose Basin) to access ore deposits beneath the lake bed.

Construction of a causeway was completed in the summer of 2010 to facilitate dewatering of the basin area over the winter of 2010/2011 (Figure 1.3.1).

In situations where mining or other developments will result in the Harmful Alteration, Disruption, or Destruction (HADD) of fish or fish habitat, the project proponent must obtain an Authorization from the Department of Fisheries and Oceans (DFO), stipulating compliance conditions to be satisfied in order to proceed. The general Meadowbank Fish-out Program was developed as a condition of the DFO Authorization issued on June 20, 2008. Furthermore, on June 1st, 2010, AEM met with DFO to discuss the draft Meadowbank Fish-out Program submitted in February 2010 for review by the DFO. This document was a site-specific Fish-out program that improved on the methods developed from the 2008 fish-out program. In-follow-up, a revised Meadowbank Fish-out Program (version 2: June 2010) document was prepared and sent to the DFO on June 14th, 2010. The methods and decision criteria outlined in this program were accepted by the DFO on June 16th (letter NU-0300191 submitted to AEM by DFO representative Jane Tymoshuk)

AEM Field work described in this report was conducted under the Department of Fisheries and Oceans Canada License # S-10/11-1037-NU.

One of the conditions of the protocol for the 2010 Meadowbank Bay-Goose Fish-out was to complete a salvage fishery in the Bay-Goose Basin, thereby preventing fish mortality by means other than fishing (a requirement under Section 32 of the *Fisheries Act*). AEM contracted North/South Consultants Inc. to conduct the salvage fishery; the fish-out program for the Bay-Goose Basin (Appendix 1) was based on the approved Meadowbank Fish-out Program. The Bay-Goose Basin program incorporated the experience gained at other fish-outs associated with northern mines, including the fish-out at Diavik Diamond Mine (McEachern et al., unpublished), and the fish-out conducted on the northwest arm of Second Portage Lake at the Meadowbank Division site in 2008 (C6, Azimuth 2009). Additional, site-specific factors and constraints were also considered.

The stated objectives of the fish-out program were:

1. to ensure that all fish were removed from the basin and disposed of in an appropriate manner that minimized the wasting of fish;
2. to determine fish species composition, and population size/structure; and
3. to determine biological, limnological, and habitat characteristics of the lakes that were fished out (this topic is discussed in a separate section of the overall report and available in Appendix 8).

1.4 SCOPE OF THE BAY-GOOSE BASIN FISH-OUT PROGRAM

The fish-out program for the Bay-Goose Basin took place from 06 August to 04 October, 2010. The major components included:

- Catch-Per-Unit-Effort (CPUE) Phase – The lake was fished using standardized index gill net gangs consisting of six panels; each panel was a different mesh size. Catch effort data was based on the date and time that each net was set and pulled. Initial population size estimates were then derived using the Leslie and DeLury methods. The CPUE phase spanned approximately three and a half weeks, until estimates of initial abundance and biomass stabilized.
- Final Removal Phase – With DFO approval, the final removal phase focused on removing all remaining fish from the lake. Standard index gill net gangs were the principal gear employed, but overall effort was increased relative to the CPUE phase, including the use of additional gear such as stand-alone minnow traps, and 12.5 mm mesh (bar measure) gill net panels attached to the standard index gangs.
- Detailed Biological Assessment (DBA) – A subset of fish in a range of sizes from each of Arctic Char, Lake Trout, and Round Whitefish were collected for DBA. Each DBA included the measurement of fish weight and length, the assessment of Deformities, Eroded fins, Lesions, and/or Tumors (DELTs), sex, sexual maturity, and the analysis of stomach contents, as well as liver and tissue samples for metals and mercury analyses.

The fish-out program deviated from the general protocol (Appendix 2) in that:

- the mark-recapture component was excluded from the 2010 program following discussions between AEM and DFO;
- a fish transfer component was added, requiring that as many live, healthy fish as possible be transferred from the Bay-Goose Basin to the adjacent Third Portage Lake. Effort was focused on transferring fish in the first week of the program when net set duration was shortest (i.e., approximately two hours).

To minimize the waste of fish, dead fish (resulting from incidental or sampling-related mortalities) were collected and gutted for the intended purpose of consumption by the community of Baker Lake as food for people or sled dogs. “People” food included Arctic Char and Lake Trout > 300 mm, and Round Whitefish > 250 mm. Similar to the 2008 fish-out program, the community of Baker Lake communicated that it would not accept fish for human consumption that had been subjected to detailed biological analyses (DBA). In 2010,

those fish not appropriate for human consumption were set aside as "dog" food. "Dog" food included small fish of all species, and all Burbot. These fish were processed for DBA (if required), and gutted, bagged in small groups, and frozen, awaiting an opportunity for delivery to the community. Prior to distribution, fish tissue from one representative fish of each of the Arctic Char, Lake Trout, and Round Whitefish was collected for metal and mercury analyses to ensure the fish collected from the Bay-Goose Basin were suitable for human consumption. Fish guts were incinerated on site, as specified by DFO.

This document is a report on the fish-out program conducted in 2010, and specifically:

1. Reviews the requirements of DFO and the major components of the fish-out program.
2. Reports on estimates of fish abundance and biomass from catch-per-unit-effort estimators and final removal data.
3. Reports on fish transfer from the Bay-Goose Basin to Third Portage Lake.
4. Reports on community composition and general biology of the fish captured in the Bay-Goose Basin, including a discussion of the fish that were chosen for detailed biological assessment.

2.0 METHODS

2.1 FISH ABUNDANCE AND BIOMASS

2.1.1 Catch-Per-Unit-Effort (CPUE) Phase

2.1.1.1 *Gillnetting*

The CPUE phase of the fish-out program was intended to estimate the total initial number and biomass of fish in the Bay-Goose Basin. This project component was conducted from 06 August to 31 August, 2010, and initially, began with a single crew to establish the logistics and working procedures for fish capture and transfer. Similar to the 2008 Second Portage Lake fish-out (C6, Azimuth 2009), standard index gill net gangs were deployed as the primary fishing gear for the Bay-Goose Basin fish-out. Each gang comprised six, 1.8 m deep by 22.7 m long gill net panels constructed of twisted nylon mesh, tied together as a contiguous unit; mesh size (stretch measure) of the six panels was 126, 102, 76, 51, 38, and 25 mm, respectively.

To maximize fish survival during the early portion of the CPUE phase, nets were checked every two hours (on average), and removed from the water at the end of each sampling day (i.e., no overnight sets). Initially, a maximum of three gangs were deployed per day to ensure that the crew was able to manage the workload without incurring a penalty of increased fish mortality. When the second crew arrived (10 August), three more gangs were added to the daily sets; this continued until 16 August. Following 16 August, nets remained in the water overnight, and allowed to fish for approximately 24 hours. The nets were checked at least once each day, wind and precipitation conditions allowing. This permitted the deployment of a greater number of gangs as the CPUE declined, culminating in a maximum of 12 gangs set per day. Each gang was moved to a new location every one or two days, depending on weather conditions, to ensure complete spatial coverage of the basin in both the horizontal and vertical planes. On two occasions (18 and 26 August) crews were unable to check the nets for approximately 48 hours due to inclement weather.

For each net set, waypoints (UTM coordinates) for both ends of each gang were logged with a handheld GPS (Garmin model Etrex), and plotted using map datum WGS 84 to determine net location. Water depth was measured with a Hawkeye (H22PX) handheld digital depth sounder, and surface water (i.e., 10 cm depth) temperature was measured (during the net check) with a hand-held thermometer. All fish captured during this phase were identified to species, weighed (± 25 g), and measured (± 1 mm) for fork length (total length for Burbot). Fish that appeared to be healthy were transferred to the non-impounded side of Third Portage Lake (see Section 2.2 for additional detail); those that appeared unhealthy or did not survive were retained for further

biological analysis (see Section 2.3.1) and/or distribution to the community of Baker Lake (see Section 1.4).

2.1.1.2 *Data analysis*

Information on catch (number of fish caught), biomass (see Section 2.5.1 for biomass calculation), and effort (duration of set) per day was the primary focus of this phase. Additionally, information pertaining to the specific net number and location, and panel from which individual fish were captured, was also documented. Effort data was initially recorded as net-hours, but was converted to net-days to ensure comparability with the 2008 Second Portage Lake fish-out report (see C6, Azimuth 2009).

CPUEs per net-day were calculated as:

Total number of fish/(total number of net hours/24 hrs)

and

Total fish biomass/(total number of net hours/24 hrs)

where:

Total number of fish = the total number of fish captured on a given day;

Total fish biomass = total weight of all fish captured on a given day; and

Total number of net hours = the total number of hours all nets were left in the water on a given day. This was then divided by 24 hours to get net-days.

Given the daily CPUE, Leslie and DeLury methods were then used to estimate the initial population size and biomass in the Bay-Goose Basin. These methods are referred to as 'depletion estimators' because the estimation of the initial abundance and biomass is dependent upon the depletion of a population as fishing progresses. The Leslie and DeLury methods were calculated as (Ricker 1975; Hilborn and Walters 1992):

Leslie method:

$$CPUE_t = qN_0 - qK_t$$

Where $CPUE_t$ = catch-per-unit-effort in time interval t

N_0 = original population size or biomass

q = catchability – the fraction of the population taken by 1 unit of fishing effort

K_t = cumulative catch to the start of interval t plus half of that taken during the interval

Linear regression of the $CPUE_t$ on K_t should give a line where the slope is equal to q , the y-axis intercept is qN_0 , and the x-axis intercept is an estimate of N_0 (Ricker 1975). The estimate of N_0 and the significance of the regression were recorded each day.

DeLury method:

$$\log_e (CPUE_t) = \log_e (qN_0) - qE_t$$

where $CPUE_t$ = catch-per-unit-effort in time interval t

N_0 = original population size or biomass

q = catchability – the fraction of the population taken by 1 unit of fishing effort

E_t = cumulative effort up to the start of interval t plus half of that during the interval

Linear regression of $\log_e (CPUE_t)$ on E_t should give a line where the slope = q and the y-axis intercept = $\log_e (qN_0)$. The original population size N_0 can then be derived.

2.1.1.3 CPUE phase completion

Fishing during the CPUE phase continued until two conditions were met:

1. There was a consistent, statistically significant (i.e., $p < 0.10$) decline over a minimum 10-day period for at least one of the two CPUE methods (Leslie and DeLury methods); and
2. Overnight sets were catching very few fish regardless of the location of deployment.

2.1.2 Final Removal Phase

2.1.2.1 Gillnetting

With approval from the DFO, the final removal phase occurred from 01 September to 04 October, 2010, and was intended to remove as many fish as possible. The gangs used during the final removal phase were identical in mesh size composition to those used during the CPUE phase. However, at the beginning of the final removal phase, some of the gangs were separated into shorter lengths (e.g., 3-panel gangs) in an effort to access confined areas of the basin. In

addition to the standard index net panels, small-mesh (12.5 mm stretch measure) panels were tied onto the gangs to maximize the potential of capturing small-bodied fish. At the peak of capture effort, 18 gangs were deployed simultaneously. To maximize effective effort during this phase, nets were often left in the same location for three or more consecutive days, but continued to be checked at least once each day (weather permitting). During the final removal phase, the standard suite of biological information (i.e., length, weight, sex, maturity, and DELTS) continued to be collected from captured fish, as well as information pertaining to net location and fishing effort. Additionally, surviving fish continued to be transferred to the non-impounded side of Third Portage Lake (see Section 2.2), and those that did not were retained for further biological analysis (see section 2.3.1) and/or distributed to the community of Baker Lake (see Section 1.4).

2.1.2.2 *Final Removal Phase Completion*

The final removal phase was continued until either:

1. No fish were caught for 48 hours, and then after a 24 hour break, no fish were caught for an additional 48 hours; or
2. the catch had declined to near zero and the total catch had reached at least 95% of the estimated initial abundance from the CPUE data.

2.2 FISH TRANSFER

Throughout the catch-per-unit-effort and final removal phases of the fish-out, fish that survived capture and were not required for detailed analysis were transferred and released into the eastern basin of Third Portage Lake. In compliance with the fish-out program document, emphasis was placed on the transfer of live fish during the initial period (i.e., 06 - 16 August). Large (> 350 mm in length), adult Arctic Char and Lake Trout captured in the Bay-Goose basin, and presumed or likely to be in spawning condition, were prioritized for live transfer to the east basin of Third Portage Lake (Figure 2.2.1). However, fish, of any size that also appeared to be healthy after capture, were also transferred. After 16 August, the primary objective shifted to collecting the required range of fish sizes for the detailed biological assessment portion of this project; live fish transfer became a secondary objective.

Where possible, transferred Arctic Char, Lake Trout, and Round Whitefish > 250 mm in length were fitted with a green, uniquely numbered Floy© tag on the left-hand side of the dorsal fin (Figure 2.2.2a), and the tag number recorded. Initially, fish < 250 mm were also tagged, but this procedure was terminated when it appeared to negatively affected fish recovery, particularly for the more sensitive Round Whitefish.

Fish chosen for transfer were picked from the net and immediately placed in a fish tub $\frac{3}{4}$ full of frequently-changed and aerated water from the Bay-Goose Impoundment (Figure 2.2.2b). These fish were then transferred at the earliest opportunity to a holding tank (Figure 2.2.2c) filled with aerated, cold water, and held in the back of a pick-up truck. Water in the holding tank was obtained daily from a clean water source – Third Portage Lake, directly adjacent to the mine camp. To minimize fish stress on warm days, ice packs were placed in the holding tank in an effort to maintain cool water ($\pm 2^{\circ}\text{C}$ of the basin's surface water temperature). The water in the tank was replaced daily with fresh water from the clean water source, typically in mid-afternoon. Several trips were made daily to transfer fish via the truck and tank to the release location on the Third Portage Lake side of the dike (Figure 2.2.2d).

All transferred fish were identified to species, measured for length (mm), weighted (g), and scanned for external DELTs; sex and maturity were determined by gently massaging the abdomen in an effort to produce extruded gametes. Fish that did not survive transfer were kept for further biological analysis (see Section 2.3.1) and/or distributed to the community of Baker Lake (see Section 1.4).

2.3 FISH BIOLOGY

2.3.1 Biological Data Collection

2.3.1.1 *General Meristics*

All live fish captured during the CPUE and final removal phases were identified to species and individually measured for fork length (mm), body weight (g), checked for external DELTS, and their abdomen palpitated in an effort to exude gametes that would determine gender. Fish deemed healthy and relatively unaffected by capture and handling were transferred from the Bay-Goose basin to Third Portage Lake. Fish that died in the net were further examined for internal DELTS, gender, reproductive status, gutted, bagged and frozen, prior to distribution to the community of Baker Lake for dog food. In some cases, fish were euthanized in order to obtain the size range of specific fish species necessary for detailed biological assessment. Mortality data was also collected to document the cause of mortalities (e.g., due to capture, handling, or transfer).

2.3.1.2 *Detailed Biological Assessment*

In addition to the above basic parameters, a detailed biological assessment (DBA) was required from a subset (i.e., 50 specimens) of each of the target species: Arctic Char, Lake Trout, and Round Whitefish. Specimens were chosen in an effort to provide an even range in size from

smallest to largest for each species. The following data and samples were collected from all of the fish chosen for DBA:

Aging structures - Otoliths were collected from 50 Arctic Char, 50 Lake Trout, and 50 Round Whitefish. Pectoral fins were also collected from Arctic Char and Lake Trout, and kept in reserve, in case of accidental damage or loss of otoliths. Ages were determined by North/South Consultants Inc. in Winnipeg based on their aging protocols. The majority of otoliths were read whole; in the case of one Round Whitefish, the otolith was “cracked and toasted” because viewing whole yielded inconsistent results. In two cases (one Arctic Char, one Lake Trout), the otoliths were damaged; therefore, a pectoral fin ray was used for aging.

Stomach contents and biomass – Stomach and contents were preserved immediately after harvest from the specimen; detailed analysis occurred in Winnipeg by North/South Consultants Inc. Preservation involved placing stomach and contents in a 10% buffered (with borax) formalin solution in 250 mL plastic jars labeled with the unique identifier, date, and species code, and sealed with electrical tape for shipment.

Fish stomachs were weighed prior to the removal of their contents. All weights were measured with a Mettler PM480 Delta Range digital scale. Stomach contents were removed and rinsed through a 63µm sieve and weighed. Contents were sorted and fish (including eggs) were separated from invertebrate food items. Invertebrates were identified (by a taxonomist) to the lowest feasible taxonomic level and recorded as a percent of stomach content. Tapeworms were noted as present/absent, but not included in the percent content. Unidentifiable material included invertebrates which could not be identified, and other organic materials. Fish were identified to species when their condition permitted; fish eggs were only counted. Wet weights were recorded separately for invertebrates and fish (including eggs). Invertebrates were then dried in an oven, and placed in a desiccator. Invertebrates were weighed and 'dry weight' recorded. Ten percent of the samples having undergone content identification were quality-controlled by another taxonomist.

Detailed internal and external examinations (DELT) – Examinations were conducted on each of the DBA fish to determine overall apparent health. Deformities, lesions, or tumors, and the presence of parasites were documented. If healthy, no comments were made.

Gender – Gender was determined and documented under the following categories: male, female, immature, or unknown.

Reproductive Status – Reproductive status was determined and documented according to the following categories: undeveloped, ripe, running, spent, resting, and unknown. “Undeveloped” includes only immature fish. “Unknown” reproductive status includes those fish for which the

reproductive status was unclear. "Ripe and running" refers to fish preparing to spawn in the current season; "spent" refers to fish which had already spawned in the current season. A "resting" fish is one which had spawned in previous years, but for which the gonads were not developed to spawn in the current season.

Gonad weight and fecundity – Gonad weight and fecundity was measured (in the lab on site) for all female fish preparing to spawn in the current season. A subsample of 100 randomly selected eggs was weighed (± 0.01 g) and then used to estimate the total number of eggs per female based on the total weight of the ovary. The gonadosomatic index (GSI) was calculated based on the ratio of ovary weight (g) to body weight (g).

Liver weight and metals – The livers of DBA fish were extracted and weighed (± 0.01 g), placed in whirlpacs labeled with the unique identifier, date, and species code, and frozen. Fifteen were chosen to represent a range of fish sizes for which metals analysis (not including mercury) would be conducted (by ALS Laboratories). The hepatosomatic index (HSI) was calculated based on the ratio of liver weight (g) to body weight (g). Five duplicate fish tissue samples were collected from randomly chosen Arctic Char (1), Lake Trout (2) and Round Whitefish (2) for blind analyses (quality control) of total metals (mg/kg wet weight).

Tissue metals – Concentrations of metals and mercury were determined from a subsample comprising 15 fish per species and represented by a range of sizes. Muscle tissue was taken from the dorsal musculature, placed in whirlpacs, labeled with the unique identifier, date, and species code, and frozen prior to shipment to ALS Laboratories for the analysis. Five duplicate fish tissue samples were collected from randomly chosen Arctic Char (2), Lake Trout (1) and Round Whitefish (2) for blind analyses of total metals (mg/kg wet weight).

2.4 DATA ANALYSIS

Data analyses were segregated into two major categories: 1) basic meristic data (length, weight, gender, and maturity) of dead fish and transferred fish; and 2) the DBA, which includes GSI, HSI, tissue and liver metals, and tissue mercury concentrations.

2.4.1 General Meristics

The following analyses were completed for fish captured during the CPUE and Final Removal phases of the Bay-Goose Basin fish-out:

- Species composition - determined from all fish captured.
- Minimum, maximum, and mean length (mm) and weight (g)¹ by species.

-
- Length-weight¹ relationship and length-frequency distribution by species
 - Minimum, maximum, and mean condition factor (K)¹ by species, calculated as $\text{Weight} \times 10^5 / \text{Length}^3$
 - Gender ratio – male:female by species. Only fish that died and for which gender was positively identified, and living fish from which gametes were extruded were included in this analysis.
 - Relative proportion of fish according to three maturity codes: immature, mature, or unknown. Fish categorized as mature would include all fish of ripe, running, or spent codes, as well as large fish that were resting. Those fish for which reproductive status could not be accurately determined were labeled “unknown”.
 - Relative proportion of fish according to five reproductive status codes: ripe, running, spent, undeveloped, unknown. Undeveloped fish are fish that are immature and will not spawn during the forthcoming year. Those fish for which reproductive status could not be accurately determined were labeled “unknown”.

Not all fish could be used in the analyses of weight and condition factor. Two types of scales were used in this fish-out; (1) a pan scale which measured to an accuracy of ± 12.5 g and, (2) a digital field scale (Model CS 2000 Ohaus) which measured to an accuracy ± 1 g under ideal circumstances. However, due to the objective of transferring as many fish as possible from Bay-Goose to Third Portage Lake, many of these measurements were obtained in the boat under less than ideal conditions (e.g., high wind and waves), compromising the accuracy of the weights. In order to maintain as reliable a data set as possible, a number of (possibly) erroneous fish weights were excluded from the analyses. All fish weights at or below 100g that were obtained using the pan scale were temporarily excluded from the data set as these were likely best estimates and for which there may have been a minimum of 10% error. Excluding the fish weighing 125g made little difference to the R^2 of the growth curves, and as a result, it was decided to leave them in. Weights which were clearly outliers with no comments as to unusual size (very skinny/fat) were also excluded. In most cases these were likely the result of a miscommunication between the recorder and the technician handling the fish.

Condition factors were calculated using the resultant data set, and the range of the upper and lower 95th percentile determined, in order to eliminate fish weights which were likely unreliable (i.e. outliers in the data). All length-weight combinations from the original data set which produced a condition factor within the above range were then reinstituted into the database used to calculate the CPUE based biomass estimate, growth curves, total biomass removed, and

condition factor statistics. Fish included in the analyses are highlighted in the raw data table (Appendix 5.1).

2.4.2 Detailed Biological Assessment

The following analyses were performed on all DBA fish:

- Detailed internal and external examinations to determine gender, reproductive status, parasite presence and overall apparent health (e.g. DELT – deformities, erosions, lesions or tumors). A summary of observations relating to internal and external health and load is presented.
- Gonad weight and fecundity of female fish to calculate a gonadosomatic index (GSI) based on the ratio of ovary weight (g) to body weight (g). Minimum, maximum, and mean GSI is presented as a percentage.
- Liver weight was measured to calculate hepatosomatic index (HSI) based on the ratio of liver weight (g) to body weight (g). Minimum, maximum, and mean HSI is presented as a percentage.
- Total metal concentrations (mg/kg wet weight) of liver and tissue samples, including mercury concentration (muscle tissue only) is presented in terms of ranges and means per species for each parameter. Analyses were performed by ALS Laboratories, Vancouver, BC. Means were calculated only for those metals for which a minimum of 75% of the samples were above the detection limit. If there were samples with results below the detection limit, the value was divided by two and included in the calculation of the average.
- A summary of dietary items consumed for each species is presented. The amount of an invertebrate taxon in the stomach contents is presented in terms of their percent composition of the stomach contents. Fish remains, including fish eggs, are presented as the number of fish in the overall sample in which fish were consumed.
- Age-frequency distribution and age-at-length statistics were calculated for the subsample of 50 fish taken of each species.

2.5 QUALITY ASSURANCE/QUALITY CONTROL

2.5.1 Objective

The objective of quality assurance and quality control (QA/QC) is to assure the chemical and biological data collected are representative of the material or populations being sampled, are of known quality, are properly documented, and are scientifically defensible. Data quality was assured throughout the collection and analysis of samples using specified and standardized procedures conducted by experienced, qualified biologists, by the contracting of laboratories that have been certified for all applicable methods, and by staffing the program with experienced technicians.

2.5.2 Tissue Chemistry

Laboratory QA/QC is assessed using the relative percent difference (RPD) formula between duplicate laboratory and field sample measurements, and is described in detail in the 2008 fish-out report (C6, Azimuth 2009).

2.5.3 Stomach Content Analysis

Stomach content analysis QA/QC was completed using North/South Consultants Inc.'s standardized in-house protocol.

2.5.4 Aging

All aging structures were viewed a minimum of two times, and, if consistency was not met between the first two reads, a third was undertaken. If consistency could not be accomplished within three reads, the structure was deemed "unable to be aged", and therefore age was not assigned. All readings were conducted independent from each other. Quality control and quality assurance was then conducted by an alternate ageing technician on 10% of randomly selected structures. The QA/QC readings are also conducted "blind" to determine consistency and accuracy.

3.0 RESULTS AND DISCUSSION

3.1 ESTIMATES AND INDICES OF FISH ABUNDANCE AND BIOMASS

3.1.1 Catch-Per-Unit Effort Phase

With DFO approval, the CPUE phase was terminated, following 13 consecutive days of consistent, statistically significant (i.e., $p < 0.10$) declines for both the Leslie and Delury methods, and after overnight sets caught few fish regardless of the deployment location (Appendix 6). After a total of 121.77 net-days, the following number and biomass of fish were captured:

Species	# captured	biomass (kg) captured
Arctic Char	373	30.1
Lake Trout	339	86.5*
Round Whitefish	213	67.0
Burbot	110	13.0
<i>Salvelinus</i> sp.	4	< 1.0
Total	1039	196.6

Note: * Weight measurement was not available for 1 Lake Trout. Weight is based partially on estimates as discussed in section 2.5.1.

Initially, CPUE based on both catch and biomass was quite variable; both of these factors became less variable as the program progressed, and exhibited an overall decline (Figure 3.1.1, 3.1.4). Both the Leslie regression (Figure 3.1.2; 3.1.5) and the DeLury regression (Figure 3.1.3; 3.1.6) showed a significant decline, but generated differing initial population size and biomass estimates. The Leslie method predicted the initial population to be 1003 fish with a biomass of 181 kg; the DeLury method predicted 1269 fish and 232 kg. Simulation studies have shown that there is often considerable bias in estimates of abundance based on depletion studies, and that the initial population size is often underestimated (Ricker 1975; Hilborn and Walters 1992). Generally, the Leslie method is preferred to the DeLury method because errors are less likely with catch data than with effort data (C6, Azimuth 2009). In this study, both the abundance (Leslie) and effort (DeLury) depletion estimates of initial population proved to be underestimates compared to the actual final catch. However, in this study, the DeLury method was the better predictor of initial population size because its estimate was closer to the actual number of fish caught (Table 3.1.1).

Several potential sources of error in using CPUE depletion estimators have been identified (Ricker 1975). Common sources of error include immigration, emigration, recruitment, and natural mortality. Aside from mortality by predation, these are unlikely to bias our data, given the short time period over which the CPUE phase took place (26 days), and the fact that the basin was not connected to any other water bodies. Another source of error is the potential for inconsistent vulnerability to capture gear caused by changing movement patterns of the fish and the bias towards catching larger fish early on. This has been discussed in detail in the 2008 fish-out report (C6, Azimuth 2009). C6 Azimuth (2009) showed that vulnerability to capture gear is initially greater because large-bodied fish are more likely to be caught in gill nets than small-bodied fish. Other potential sources for bias include: a) the concentration of nets in areas of higher catch (minimized in this study by setting the nets in random locations, and by moving them daily, when possible), and b) the removal of fish from the nets by predators (no evidence during this study, but is possible). One potential explanation for the initial underestimates may have been the addition of the fine-mesh (12.5 mm) net panels during the final removal phase; these were not present in the CPUE phase. These panels were able to target small fish that, during the CPUE phase, were unlikely to be caught with the standard CPUE gangs. Further discussion of potential biases is available in the 2008 fish-out report of Second Portage Lake (C6 Azimuth 2009).

3.1.2 Final Removal Phase

Catch during the final removal phase totaled 1100 fish and a weight of 76.5 kg. The total combined catch for CPUE and final removal phases was 2039 fish and 273.1 kg. The breakdown of the abundance and biomass of species captured during the final removal phase was as follows:

Species	# captured	biomass (kg) captured
Arctic Char	400	16.9*
Lake Trout	277	29.9
Round Whitefish	292	18.3*
Burbot	126	11.4
<i>Salvelinus</i> sp.	-	-
Ninespine Stickleback	3	<1
Total	1100	76.5

Note: * Weight measurements were not available for 1 Arctic Char and 1 Round Whitefish. Weight is based partially on estimates as discussed in 2.5.1.

Termination of the final removal phase was based on the second criterion (i.e., the catch had declined to near zero, and the total catch had reached at least 95% of the estimated initial abundance from the CPUE data) because at least three fish per day continued to be captured throughout this phase. By the end of the program, the catch exceeded the minimum 95% of estimated initial abundance from the CPUE data (Table 3.1.1), making up 214% of the Leslie and 169% of the Delury CPUE estimates of catch, and 159% and 124% of the Leslie and DeLury estimates of biomass, respectively.

3.1.3 Predicting Fish Abundance and Biomass in a New Water Body

An estimate of the abundance and biomass of fish in the Bay-Goose Basin area was determined based on the results from the 2008 fish-out of the northwest arm of Second Portage Lake, using simple correlations of surface area and volume. Comparison of the results from the 2010 fish-out and the predictions in the permit suggest that there are more factors involved in estimating fish abundance and biomass in a new basin than simple correlations of volume and surface area can account for.— As the data demonstrates, more fish were caught than predicted, and the predicted proportions of species caught were not validated by the actual captures. There were a greater number of Arctic Char, Burbot, and Round Whitefish, and fewer Lake Trout than was predicted (Table 3.1.2). Conversely, the biomass of fish in the Bay-Goose Basin was overestimated because the fish were, on average, much smaller than they were in Second Portage Lake (Table 3.1.2).

3.2 FISH TRANSFER

The highlight of the 2010 Bay-Goose fish-out was the success of the fish transfer ; > 60% of Arctic Char, Lake Trout, and Burbot, and 44% of Round Whitefish captured in the Bay-Goose Basin were transferred to Third Portage Lake (Table 3.2.1). The number of fish transferred relative to total fish captured on a daily basis is presented in Figure 3.3. A total of 1254 fish (165.2 kg) were transferred, the majority of which were Arctic Char (39%), followed by lake Trout (30.5%), Round Whitefish (17.8%), and Burbot (12.7%).

Transferred Arctic Char appeared to be relatively small, averaging 156 mm in fork length, and accounting for only 16.5% of the total biomass of released fish. Lake Trout and Round Whitefish made up 46.7% and 26.8% of biomass, respectively. The Lake Trout and Round Whitefish captures appeared to be relatively larger than Arctic Char; fork length averaged 211 mm and 224 mm, respectively (Table 3.2.1). Only four Arctic Char were large enough to be tagged, while a larger proportion of Lake Trout (44) and Round Whitefish (36) were able to be tagged (Table 3.2.1). A list of all tagged fish, their fork lengths, weights, and tag numbers is presented in Table 3.2.2. With the exception of three 'ripe ' female Round Whitefish (100-113 mm fork length), a

single 'ripe' male Round Whitefish (320 mm fork length), and a single 'ripe ' female Arctic Char (120 mm fork length), we were unable to determine sex and maturity of the transferred fish as they extruded no gametes upon abdominal palpitation.

Similar to the experience at other northern mines, predation near the release points during the fish transfer was unavoidable. Although steps were taken to mitigate the incidence of predation on transferred fish, there was no way to avoid predation or to accurately measure the gross transferred fish survival. Originally, the construction of a holding pen was proposed, wherein fish might recover and recovery success might be better monitored. This was found to be unfeasible; access to the location of the structure would require repeatedly traversing rocky and steep terrain with a high potential for injury, and was therefore deemed to be unsafe work. Additionally the holding pen would likely have attracted predatory fish that would simply await the release of transferred fish. After a number of releases, it was determined that the only reasonable method of mitigating predation was to change release locations when and where possible (e.g., use of a boat to release fish well away from the landing; however, this was a rare occurrence).

3.3 FISH BIOLOGY

3.3.1 General Meristics

3.3.1.1 *Species Composition*

A total of 2,139 fish were removed from the Bay-Goose Basin in the summer/fall of 2010. Arctic Char were the most abundant species captured (36%, n=773), followed in abundance by Lake Trout (29%, n=616), Round Whitefish (24%, n=505), Burbot (11%, n=236), and a few Ninespine Stickleback. These results contrast with the early surveys of the study lakes surrounding the Meadowbank Mine site and the results from the fish-out of the northwest arm of Second Portage Lake in 2008. In those studies, Arctic Char represented < 16 % of fish captured while Lake Trout were consistently the predominant species, comprising 66-78 % of fish captured (EVS 1998; EVS 1999; C6, Azimuth 2009). The percentage of the population represented by Round Whitefish, although comparable to that found in a brief survey of Second Portage Lake in 1999 (22%) (EVS 1999), was higher than in the previous study completed in Third Portage Lake during 1997. Round Whitefish represented only 5 % of the fish captured in that study (EVS 1998), and only 10% of the fish captured during the fish-out of Second Portage Lake (C6, Azimuth 2009). Similar to findings from the fish-out of Second Portage Lake, Burbot accounted for a higher percentage of the population in the Bay-Goose Basin fish-out than in the short surveys where they were found only in small numbers (BAER 2005) or not at all (EVS 1998; EVS 1999).

3.3.1.2 *Size and Condition*

Mean length, weight, and condition factor (K) of Arctic Char, Lake Trout, Round Whitefish, and Burbot (for which both length and weight data were available) is presented in Table 3.3.1. Weight-length relationships for each species are presented in Table 3.3.2.

With the exception of two individuals (550 mm fork length), the majority of the Arctic Char in the Bay-Goose Basin were smaller fish < 300 mm (Figure 3.3.1), and averaging 159 mm. The Lake Trout population comprised mainly smaller individuals as well (Figure 3.3.1). Unlike Arctic Char, a range of sizes were represented in the Lake Trout population, to the maximum of 887 mm in length. Similarly, most of the Burbot were small, although there were a few larger individuals (Figure 3.3.1). Unlike the other species, the length-frequency distribution of the Round Whitefish population was distinctly bi-modal, whereas the others were skewed. Slightly greater than half of the population were small individuals (from < 100 mm, up to 250 mm), and the other half medium-sized (275 mm to 425 mm), as well as a single individual > 550 mm.

Condition factor varied considerably among all species, averaging at slightly > 1.0 for Arctic Char, Lake Trout, and Round Whitefish, and 0.76 for Burbot (Table 3.3.1). Variation in condition factor is not unusual; it typically varies between species within species, depending on factors such as the fishes' health, the season in which the fish were caught, the size, timing, and nature of their last meal, and the developmental state of their gonads (C6 Azimuth 2009). Although the majority of fish seemed to be in healthy condition, one Lake Trout was exceptionally thin for its length of 552 mm. This fish weighed only 825 g, which is half that predicted by the growth curve. The individual was identified as a resting female, with a parasitic infection in the lining of the gut wall. Conversely, other Lake Trout captured of comparable length (within 5 mm) weighed between 1600 g to 1900 g. In the Round Whitefish captured, it was common to see visceral fat, particularly in the larger specimens, but rare in the other species.

3.3.1.3 *Gender and Maturity*

Similar to the results from the 2008 fish-out of Second Portage Lake, of the fish for which gender was positively determined, the ratio of females to males was relatively even among Arctic Char (1:1), Lake Trout (1:1.2), and Round Whitefish (1:0.8). Among Burbot, males were more common, representing 60% of the captures for which gender was confirmed (1:1.5) (Table 3.3.3).

Immature fish (i.e., those that have not previously spawned) represented a large proportion of Lake Trout (86%), Arctic Char (71%), and Round Whitefish (54%) that were examined (Table 3.3.3). Although only a proportion of the catch (i.e., dead fish) of each species was examined internally for sexual maturity, these results indicate that a slightly higher proportion of fish

captured in the Bay-Goose Basin were immature, compared to those from the fish-out of Second Portage Lake in 2008 (C6 Azimuth 2009).

Mature fish (i.e., those that are ripe, running, spent, or resting) represented a relatively smaller proportion of captures, compared to immature fish. As in the 2008 study, only a small percentage (10%) of the Lake Trout was categorized as mature fish; 28% of those were 'resting', whereas nearly half of the mature Lake Trout in the northwest arm of Second Portage Lake were 'resting'. Among Arctic Char captured, 24% were 'preparing to spawn' in the current year, with far fewer (3%) resting individuals. A large proportion (89%) of the mature fish was < 200 mm in length, ranging between 100 mm and 196 mm, and an average of 136 mm in length (Figure 3.3.2). These fish retained juvenile characteristics such as par marks (Figure 3.3.3). This suggests that sympatric polymorphism of Arctic Char, not uncommon in oligotrophic lakes with a variety of niches in northern latitudes (Nyman et al. 1981; Parker and Johnson 1991; Sandlund et al. 1992; Jonsson and Skulason 2000; Riget et al. 2000), may also occur in Third Portage Lake.

Sympatric polymorphism of Round Whitefish may also occur in Third Portage Lake. Examination of the length-frequency data of mature Round Whitefish revealed a bi-modal distribution (Figure 3.3.4). Approximately 50% of the mature Round Whitefish were < 191 mm in length (averaging 102 mm), while the other 50% were > 290 mm (averaging 346 mm; Figure 3.3.4). A photo of one specimen is available in Figure 3.3.5. Similar specimens were found during the fish-out of Second Portage Lake (C6 Azimuth 2009). Examination of the “dwarf” specimens by members of Azimuth and North/South Consultants Inc. has ruled out the possibility that they are Pygmy Whitefish (*Prosopium coulteri*). Although literature was not found, supporting the existence of dwarfism or stunting in Round Whitefish or the genus *Prosopium* in general, it is not uncommon among Coregonines, and specifically among *Coregonus* species. Dwarfism has been reported in Least Cisco (*Coregonus sardinella*) in Alaska and the Yukon (McPhail and Lindsey 1970; Mann and McCart 1981), in Cisco (*Coregonus artedii*) in Minnesota (Sheilds and Underhill 1993), and Lake Whitefish (*Coregonus clupeaformis*) in lakes from the Yukon to Ontario, Quebec, and Labrador (Fenderson 1964; Bodaly 1979; Gendron and Fortin 1984; Bodaly 1991; Landry et al. 2007).

3.3.2 Detailed Biological Assessment

3.3.2.1 DELT

Fish selected for detailed biological assessment were examined internally and externally for obvious deformities, erosions, lesions, and tumors (DELTs), and for evidence of parasitic infections such as cysts or tapeworms. Aside from parasitic infections, all fish examined were deemed healthy with no obvious lesions, deformities, or tumors (Table 3.3.4). Cysts on the gut

wall were present in a large proportion of the Arctic Char (30%) and Lake Trout (48%), whereas Round Whitefish were virtually cyst-free, cysts being reported in the body cavity of only a single individual. No brain parasites were observed during the examinations. Tapeworms were found in the stomach of one Arctic Char during cursory examinations, and in a single Lake Trout and Round Whitefish during the stomach content analyses.

3.3.2.2 *Gender and Maturity*

Generally, there were more male than female Arctic Char and Round Whitefish, and nearly equal numbers of male and female Lake Trout (Table 3.3.5). There were more immature than mature Arctic Char and Lake Trout, whereas Round Whitefish had a greater proportion of mature individuals. Of the mature fish, the largest proportion of each species was in spawning condition, preparing to spawn that season. Two Arctic Char and a single Lake Trout were identified as being in ripe condition, and three Lake Trout and one Arctic Char had already spawned.

Arctic Char and Round Whitefish in the Bay-Goose Basin were found to have reached maturity by as early as three years of age, whereas the youngest sexually mature Lake Trout was six years old (Figure 3.3.6). Size at maturity data shows evidence of dwarfism, or at least differences in growth rates (stunting) in Arctic Char. Among the six-year-old fish, four were adult males, two of which were less than 150 mm, while the other two were > 300 mm (Figure 3.3.6).

3.3.2.3 *Age*

Lake Trout and Round Whitefish exhibited a relatively even age-frequency distribution, averaging ten and eight years of age, respectively; conversely, Arctic Char were predominantly young fish, averaging four years of age (Figure 3.3.7). The oldest fish (maximum = 29 years) were found among the Lake Trout, followed by the Round Whitefish (maximum = 18 years) and finally the Arctic Char which were mostly under seven years old.

Although the average fork length of fish within each species increased with increasing age, fork length varied considerably within some year classes, particularly among Arctic Char (Figure 3.3.6). For example, six-year-old Arctic Char and 14-year-old Lake Trout varied in length by almost 20 cm (Table 3.3.6). This variation in size seemed to be more prevalent across year classes among Arctic Char. Note, that due to the wide range of sample sizes representing year classes among the species, the lack of variation in some cases may be as a result of small sample size (Table 3.3.6).

The steeper slope of the line showing the age at length trend among Arctic Char (Figure 3.3.6) and the larger maximum length per year class among Arctic Char relative to Round Whitefish and Lake Trout (Table 3.3.6), suggest a faster growth rate among Arctic Char. The oldest and largest Arctic Char captured (554 mm) was only 10 years old, whereas Lake Trout of similar size

ranged from 14 to 29 years (Figure 3.3.6). However, the low R^2 and high degree of variation in lengths among age classes of Arctic Char suggests there are outside influences. For example, in the 2008 report it was suggested that predatory pressure from Lake Trout may hasten growth rates of Arctic Char above a certain size, resulting in the distinct bi-modal length-frequency observed among Arctic Char (C6, Azimuth 2009). Alternatively, the presence of mature Arctic Char < 200 mm, implying a variety of life history strategies (e.g., stunting or dwarfism), may have much to do with the variation (Figure 3.3.6).

3.3.2.4 Gonadosomatic Index

Gonadosomatic indices (GSI) were calculated for a subset of the female Arctic Char (2), Lake Trout (8), and Round Whitefish (10) from the DBA fish (Table 3.3.7). Only ripe or running fish were included in the GSI calculation. Average GSI among Arctic Char was slightly lower (12.5%) compared to that in Second Portage Lake in 2008 (14.9%), and much lower among Lake Trout (2.9% vs. 9.1%) and Round Whitefish (5.4% vs. 8.4%).

During the Second Portage Lake (2008) fish-out, small (5-7 g), ripe Round Whitefish were found in the stomachs of Lake Trout, with reported GSI values of 10-18% (C6, Azimuth 2009). These mature small Round Whitefish were also found in our nets in the Bay-Goose Basin. Although not part of the DBA fish, we weighed and counted the eggs within a subset of the females (< 200 mm, between 7 and 16 grams). We found that the GSI values were lower than reported in 2008 and similar to those of the larger (> 200 mm) Round Whitefish (Table 3.3.8). We also found that the average size (referenced by weight in grams) of the eggs were comparable between the smaller females (< 200 mm) as compared to the larger females (> 200 mm). Although few ripe and running female Arctic Char were assessed, the GSI and the individual average egg weight were slightly higher among the smaller char (< 200 mm) compared to the single large female (Table 3.3.8). In both Arctic Char and Round Whitefish, the smaller females respectively contained on average 30 and 36 times fewer eggs than their larger counterparts (Table 3.3.8).

3.3.2.5 Hepatosomatic Index

HSI can vary seasonally according to condition factor and overall health of the fish with respect to glycogen stores. Exposure to certain environmental contaminants can cause liver size to increase and therefore cause HSI to become elevated. Typically HSI for fish ranges 1-2% (in C6 Azimuth 2009). The HSI of Arctic Char, Lake Trout, and Round Whitefish in this study averaged 0.9-1.1% (Table 3.3.7), with Lake Trout (0.8%) and Round Whitefish (0.9%) averages being slightly lower than those in the 2008 fish-out of Second Portage Lake (~1.1%). In all cases, the minimum HSI was lower in 2010 (0.2%) compared to the minimum (0.3%) in 2008. It is possible that this may be a result of using smaller specimens, on average, in 2010 compared to 2008 (Arctic Char 193 mm vs 382 mm; Lake Trout 322 mm vs 512 mm; Round Whitefish 296

mm vs. 247 mm). In a few cases, the HSI was unusually high; this may have been a result of a recording error, or as in the case of one Arctic Char the liver was in fact unusually large.

3.3.2.6 *Stomach Contents*

A summary of the dietary composition for each species is available in Table 3.3.9 and 3.3.10, while detailed diet information can be found in Appendix 3.

Arctic Char often have a varied diet, ranging from vertebrates such as fish, to invertebrates such as molluscs, amphipods, and other types of zooplankton (Scott and Crossman 1979). Although it is understood that they consume fish (Scott and Crossman 1979), no fish remains were found in the Arctic Char from the Bay-Goose Basin in 2010, nor from the larger size range of Char analyzed in the northwest arm of Second Portage Lake in 2008 (C6, Azimuth 2009). The most commonly identified invertebrate group within the autopsied Arctic Char stomachs was zooplankton (primarily Copepoda, followed by Cladocera and Ostracoda) (Table 3.3.9 and Appendix 3.1). Less common invertebrates included trichopterans and dipterans (Chironomidae), which were found in a few fish < 200 mm, and usually in small amounts relative to other food items within the stomachs (Table 3.3.9 and Appendix 3.1). Larval dytiscids were also identified in the smallest fish (105 mm) and adult dytiscids in the second largest fish (348 mm). Finally, Oligochaetes were found in a single, small Arctic Char (Appendix 3.1).

Like Arctic Char, Lake Trout are known to feed upon a large range of organisms. Depending on the availability of food, Lake Trout are known to feed on crustaceans, aquatic and terrestrial insects, fish, and even small mammals (Scott and Crossman 1979). Their opportunistic diet is reflected in this study. Of the Lake Trout stomachs examined (including one specimen of 125 mm length), 16% contained fish remains (Table 3.3.10). Three species of digested fish were identifiable, including: a single sculpin (Cottidae), Arctic Char, and Lake Trout (Table 3.3.10). Zooplankton such as Copepoda and Amphipoda were identified in the stomachs of most individuals, although they were more common among Lake Trout < 205 mm (Appendix 3.2). Trichopterans and dipterans were also found in the stomachs of a broad size range of Lake Trout (Appendix 3.2). For example, examination of the stomach contents of two large individuals (410 mm and 550 mm), both captured 01 September, found that the one individual had fed exclusively on adults trichopterans, while the other, in addition to trichopterans, had also consumed fish.

Although primarily a benthivore, on occasion, Round Whitefish consume small fish and sometimes their own eggs and the eggs of Lake Trout (Scott and Crossman 1979). In this study, the majority of the stomach contents found in Round Whitefish were benthic in origin, consisting mainly of trichopterans, but also a few molluscs and dipterans (Table 3.3.9). Zooplankton taxa such as Cladocera, Copepoda, and Conchostraca were present in two smaller fish (125 mm and 140 mm) stomachs (Table 3.3.9 and Appendix 3.3). Although no fish eggs were detected, the

remains of five small unidentified fish were found in the stomach of a large (400 mm) individual (Table 3.3.9).

3.3.2.7 Tissue Chemistry

Total metals concentration in muscle and tissue were measured from fifteen specimens each of Arctic Char, Lake Trout, and Round Whitefish. Mean concentrations and ranges are presented in Table 3.3.11. Fish were chosen to represent a range of small to large fish for each species.

According to Manitoba Water Quality Standards, Objectives, and Guidelines (MWQSO *in* Manitoba Conservation Report 2002-11), the only known guideline limits for human consumption apply to mercury (0.5 ppm), arsenic (0.5 ppm), and lead (3.5 ppm). Mercury is unique among metals in animal tissue in that it tends to increase in concentration at progressively higher levels of the food chain, with highest concentrations occurring in larger and older predatory fish, such as Lake Trout. This was supported in this study, as well, in that mercury was well below the accepted human consumption limit in Arctic Char and Round Whitefish, while among Lake Trout it approached the limit in the larger fish (> 500 mm) and in one case exceeded it (0.57 ppm) (Figure 3.3.8). Arsenic was detected above the detection limit in the muscle tissue of a single Arctic Char and a single Round Whitefish, but in both cases was well below (10 x) the suggested guideline limit. Arsenic and lead were found in slightly elevated concentrations in the livers of some specimens, but were still below the recommended consumption limit.

Metals without known guideline limits for human consumption (MWQSOG *in* Manitoba Conservation Report 2002-11) were also examined. Cadmium, in all samples, fell well below the guideline for consumption suggested by the World Health Organization (3.6 ppm). Of the 34 variables analyzed in the muscle tissue, antimony, beryllium, iron, lead, silver, tellurium, and thallium were all consistently below the detection limit. Concentrations of arsenic, barium, bismuth, boron, cadmium, cesium, cobalt, manganese, molybdenum, nickel, titanium, and vanadium in the liver tissue were for the most part below or just above the detection limits. Sodium was approximately 4 times greater in the liver than in the muscle tissue; Zinc was higher, also.

3.3.3 QA/QC

Five duplicate fish tissue samples of each of muscle and liver were collected from randomly chosen Arctic Char (2 and 1, respectively), Lake Trout (1 and 2) and Round Whitefish (2 and 2) for blind analyses (mg/kg wet weight) of total metals. Results of analyses of duplicate samples for 34 metals from five tissue and five liver samples showed that all but one of the RPD values (phosphorus in Arctic Char liver), were below the 25% difference threshold for all metals (Table 3.3.12).

4.0

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TABLES

Table 3.1.1. Comparison of total fish captured and total biomass captured at the end of the fish-out program (CPUE and final removal phases) and the Leslie and DeLury estimates based on the CPUE phase data.

	100%	95%	Final Catch	% above 100 %	% above 95%
Leslie					
count	1003	953	2039	203	214
biomass (kg)	181	172	273	151	159
DeLury					
count	1269	1206	2039	161	169
biomass (kg)	232	220	273	118	124

Note: Biomass is based partially on estimates as discussed in section 2.4.2 and presented in Appendix 5.1.

Table 3.1.2. Comparison of predicted catch and biomass by species of the Bay-Goose Basin using information from the 2008 fish-out of Second Portage Lake.

Species	# Captured		Mean Weight (kg) per Fish		Total Biomass (kg)	
	Predicted	Actual	Predicted	Actual	Predicted	Actual
Lake Trout	759	616	0.36	0.19	273	116
Arctic Char	187	773	0.61	0.06	114	47
Round Whitefish	117	505	0.25	0.17	20	85
Burbot	105	236	0.11	0.10	12	24
Total	1167	2130	-	-	423	273

Notes: The total # fish captured in 2010 was 2139, the total presented includes only the four species for which predictions were made.

Table 3.2.1. Summary abundance, lengths, and weights of transferred fish from the Bay-Goose Basin to Third Portage Lake from August 06 to October 04, 2010.

Species Name	% of Total Fish Transferred	% Transferred per Species	# Transferred	Biomass (kg)	# Tagged	Length (mm)		Weight ² (g)	
						Range	Mean	Range	Mean
Arctic Char	39.0	63	489	27.2	4	68 - 535	156	4 - 1300	56
Lake Trout	30.5	62	383	77.1	44	65 - 887	211	3 - 8750	204
Round Whitefish	17.8	44	223	44.2	36	62 - 565	224	2 - 2158	201
Burbot	12.7	67	159	16.7	-	95 - 595	216	6 - 2000	105
Ninespine Stickleback	0.0	0	0	-	-	-	-	-	-
<i>Salvelinus</i> sp. ¹	0.0	0	0	-	-	-	-	-	-
Total	100	-	1254	165.2	84	-	-	-	-

Notes:

1 - Were not positively identified to species, but they were either Arctic Char or Lake Trout.

2- Weights are based partially on estimates as discussed in section 2.4.1.

Table 3.2.2. Fish from the Bay-Goose Basin tagged during the fish-out and released in Third Portage Lake, 2010.

Species Name	Floy© tag#	Length (mm)	Weight (g)	Unique Identifier	Date of Capture
Arctic Char	NSC 77077	308	250	001a_2	6-Aug-10
	NSC 77079	316	300	002a_2	6-Aug-10
	NSC 77056	330	300	031b_6	13-Aug-10
	NSC 77090	535	1300	003c_1	6-Aug-10
Lake Trout	NSC 77066	152	50	013c_4	9-Aug-10
	NSC 77093	265	200	005a_3	7-Aug-10
	NSC 77094	295	250	005a_4	7-Aug-10
	NSC 58158	299	300	211a_5	14-Sep-10
	NSC 56998	313	350	044a_2	16-Aug-10
	NSC 77057	315	300	031b_5	13-Aug-10
	NSC 77084	325	325	001b_1	6-Aug-10
	NSC 77058	325	300	024c_1	12-Aug-10
	NSC 58166	335	350	067c_1	22-Aug-10
	NSC 77061	339	400	018b_2	11-Aug-10
	NSC 58163	342	500	205a_9	11-Sep-10
	NSC 48268	345	475	185e_1	22-Sep-10
	NSC 58153	347	475	205l_4	22-Sep-10
	NSC 48274	354	400	077b_2	24-Aug-10
	NSC 58156	354	500	212c_3	18-Sep-10
	NSC 58169	383	600	066c_1	22-Aug-10
	NSC 77062	400	700	017a_3	11-Aug-10
	NSC 77100	410	700	009a_6	8-Aug-10
	NSC 77074	410	650	009b_7	8-Aug-10
	NSC 77086	412	650	002b_2	6-Aug-10
	NSC 77060	415	750	023a_3	12-Aug-10
	NSC 58154	415	750	205l_1	22-Sep-10
	NSC 58155	421	775	205l_2	22-Sep-10
	NSC 77080	430	675	002a_3	6-Aug-10
	NSC 77065	440	900	015a_1	10-Aug-10
	NSC 77059	447	900	024b_3	12-Aug-10
	NSC 77088	465	950	003b_3	6-Aug-10
	NSC 77052	465	850	037b_2	15-Aug-10
	NSC 65347	472	1100	042c_1	16-Aug-10
	NSC 77055	474	1100	036a_2	15-Aug-10
	NSC 77053	495	1400	035b_2	15-Aug-10
	NSC 77092	512	1650	005a_1	7-Aug-10
	NSC 56992	520	1600	026b_1	12-Aug-10
	NSC 77070	535	1500	009c_6	8-Aug-10
	NSC 56995	548	1850	033c_3	13-Aug-10
	NSC 56991	549	1800	026a_1	12-Aug-10
	NSC 77073	550	1600	010b_2	8-Aug-10
	NSC 77063	566	1800	015b_1	10-Aug-10
	NSC 56989	570	1650	020b_2	11-Aug-10
	NSC 48270	576	1700	182a_1	10-Sep-10
	NSC 77097	593	1825	005a_7	7-Aug-10
	NSC 77054	635	2300	035b_1	15-Aug-10
	NSC 77064	685	3000	016a_3	10-Aug-10
	NSC 56994	887	8750	026c_1	12-Aug-10

Species Name	Floy© tag#	Length (mm)	Weight (g)	Unique Identifier	Date of Capture
Round Whitefish	NSC 58172	312	325	046c_1	19-Aug-10
	NSC 65340	317	350	060a_5	20-Aug-10
	NSC 65344	318	400	054a_3	20-Aug-10
	NSC 58164	322	400	071a_5	23-Aug-10
	NSC 77098	326	400	006a_1	7-Aug-10
	NSC 65342	328	350	055a_4	20-Aug-10
	NSC 77099	330	400	009a_7	8-Aug-10
	NSC 58165	330	400	066c_5	22-Aug-10
	NSC 65346	332	475	042c_2	16-Aug-10
	NSC 77085	335	400	002b_1	6-Aug-10
	NSC 58175	338	400	052a_2	19-Aug-10
	NSC 77051	339	500	041b_1	15-Aug-10
	NSC 56988	340	600	021a_7	11-Aug-10
	NSC 65348	344	500	044b_4	16-Aug-10
	NSC 77081	346	375	003a_1	6-Aug-10
	NSC 56997	346	550	042a_2	16-Aug-10
	NSC 65339	346	650	066a_1	21-Aug-10
	NSC 77076	358	500	001a_1	6-Aug-10
	NSC 58159	360	500	200c_1	12-Sep-10
	NSC 65345	361	300	048a_1	19-Aug-10
	NSC 58162	361	525	207a_1	11-Sep-10
	NSC 77075	365	550	009a_8	8-Aug-10
	NSC 56999	366	550	043a_6	16-Aug-10
	NSC 56990	368	550	020c_1	11-Aug-10
	NSC 77091	370	500	003c_2	6-Aug-10
	NSC 77095	373	600	005a_5	7-Aug-10
	NSC 65350	375	650	043b_2	16-Aug-10
	NSC 65338	377	600	077a_1	23-Aug-10
	NSC 77089	378	525	001c_1	6-Aug-10
	NSC 56996	378	650	042a_1	16-Aug-10
	NSC 77078	385	600	001a_4	6-Aug-10
	NSC 65343	385	700	056a_3	20-Aug-10
	NSC 65341	390	700	056a_1	20-Aug-10
	NSC 77067	395	700	013b_3	9-Aug-10
	NSC 65349	417	750	042b_1	16-Aug-10
	NSC 77087 ¹	565	500	003b_1	6-Aug-10

Notes:

1-This fish had an unusually low recorded weight. According to the length-weight growth curve (Table 3.3.2) it should have weighed approximately 2158 g. No comments were given. It is unlikely that such a skinny fish would have been tagged and released as only healthy fish were to be released. This suggests that there was an error in the recording of the weight.

Table 3.3.1. Length (mm), weight (g) and condition factor (K) of Arctic Char, Lake Trout, Round Whitefish, and Burbot removed from the Bay-Goose Basin, 2010.

Fish Species	based on all fish captured ¹			based on subset of the captured population ²						
	Length (mm)			Length (mm)			Weight (g)		Condition Factor ³ (K)	
	n	Range	Mean	n	Range	Mean	Range	Mean	Range	Mean
Arctic Char	772	68-554	159	563	91 - 554	167	8 - 1950	70	0.47 - 2.43	1.15
Lake Trout	615	65-887	211	485	105 - 887	226	10 - 8750	227	0.47 - 1.97	1.11
Round Whitefish	504	62-565	201	341	65 - 425	241	2 - 825	235	0.41 - 1.03	1.03
Burbot ⁴	236	95-595	217	187	130 - 595	223	16 - 2000	111	0.38 - 0.76	0.76

Notes:1- lengths were calculated using all fish measured for length, not including Ninespine Stickleback, or *Salvelinus* sp.

2- length, weight, and condition factor parameters were determined from a subset of each species, see section 2.4.1

3- condition factor: $K = (\text{Weight} \times 10^5) / (\text{Length}^3)$

4 – lengths were measured as fork length except for Burbot for which the length refers to total length

Table 3.3.2. Weight-length relationships of Arctic Char, Lake Trout, Round Whitefish, and Burbot removed from the Bay-Goose Basin, 2010.

Species Name	Sample Size	R ²	p-Value ¹	Significant relationship	Weight (W) on Length (L) Relationship Log ₁₀ W=a + b (Log ₁₀ L)
Arctic Char	563	0.93	<0.0001	yes	Log ₁₀ W=-4.53 + 2.81 (Log ₁₀ L)
Lake Trout	485	0.97	<0.0001	yes	Log ₁₀ W=-4.67 + 2.87 (Log ₁₀ L)
Round Whitefish	341	0.98	<0.0001	yes	Log ₁₀ W=-5.42 + 3.18 (Log ₁₀ L)
Burbot	187	0.90	<0.0001	yes	Log ₁₀ W=-5.15 + 3.01 (Log ₁₀ L)

Notes:R² = coefficient of determination

1-p-value = probability value; level of significance p < 0.05

Table 3.3.3. Gender, maturity code, and reproductive status of Arctic Char, Lake Trout, Round Whitefish, and Burbot from the Bay-Goose fish-out, 2010.

		Arctic Char		Lake Trout		Round Whitefish		Burbot¹	
		#	%	#	%	#	%	#	%
Total sexed fish		265		204		264		75	
Gender	Female	122	50	83	46	131	56	18	40
	Male	122	50	98	54	101	44	47	60
	Unknown ²	21	-	23	-	32	-	-	-
Maturity	Immature	189	71	176	86	143	54	-	-
	Mature	73	28	21	10	121	46	-	-
	Unknown ³	3	1	7	4	0	0	-	-
Reproductive Status	Undeveloped ⁴	189	71	176	86	143	54	-	-
	Ripe	59	22	10	5	103	39	-	-
	Running	3	1	2	1	15	6	-	-
	Spent	3	1	3	1	1	<1	-	-
	Resting	8	3	6	3	2	<1	-	-
	Unknown ³	3	1	7	3	0	0	-	-

Notes:

1-Burbot spawn in the winter under the ice. Since sampling took place in the summer/fall gonads are not sufficiently developed to determine maturity or reproductive status.

2-immature fish that could not be identified as male or female

3-males and females that could not be classified as to maturity or reproductive status

4-undeveloped fish include only immature fish that will not spawn in the current season

Table 3.3.4. Summary of internal and external DELT observations of DBA fish in the field and from stomach autopsies, Bay-Goose Basin, 2010.

DELT Observation	Arctic Char	Lake Trout	Round Whitefish
n	50	50	50
Parasite Presence			
Tapeworms	1	1	1
Brain	0	0	0
Cysts in gut lining	15	24	1
Lesions/Tumors	0	0	0

Notes:

DBA = detailed biological assessment

Numbers indicate the number of DBA fish in which the DELT observation was observed.

Table 3.3.5. Gender, maturity code, and reproductive status of DBA¹ fish from the Bay-Goose fish-out, 2010.

		Arctic Char		Lake Trout		Round Whitefish	
		#	%	#	%	#	%
Total sexed fish		50		50		50	
Gender	Female	16	32	20	40	17	34
	Male	27	54	19	38	23	46
	Unknown ²	7	14	11	33	10	20
Maturity	Immature	27	54	23	46	20	40
	Mature	16	32	17	34	24	48
	Unknown ²	7	14	10	20	6	12
Reproductive Status	Undeveloped ³	27	54	23	46	20	40
	Ripe	12	24	9	18	24	48
	Running	2	4	1	2	0	0
	Spent	1	2	3	6	0	0
	Resting	1	2	4	8	0	0
	Unknown ⁴	7	14	10	20	6	12

Notes:

1-DBA = detailed biological assessment

2-fish that could not be identified as male or female (immature/indiscernible)

3-males and females that could not be classified as to maturity or reproductive status

4-undeveloped fish include only immature fish that will not spawn in the current season

Table 3.3.6. Age-length relationship of Arctic Char, Lake Trout and Round Whitefish DBA¹ fish, Bay-Goose Basin, 2010.

Age	Fork Length (mm)											
	Arctic Char				Lake Trout				Round Whitefish			
	n	Min	Max	Mean	n	Min	Max	Mean	n	Min	Max	Mean
2	8	122	193	139		-	-	-	4	125	170	149
3	17	105	239	156	10	125	156	139	7	140	232	173
4	15	118	268	190	3	151	196	178	3	177	231	212
5	2	279	282	281	3	205	218	211	7	196	237	221
6	6	135	332	223	4	212	260	230		-	-	-
7	1	348	348	348	2	235	280	258	4	295	307	301
8		-	-	-	1	262	262	262	3	290	325	310
9		-	-	-	4	298	326	311	2	320	338	329
10	1	554	554	554	2	280	311	296	3	335	345	342
11		-	-	-	4	290	336	315	2	370	415	393
12		-	-	-		-	-	-	1	377	377	377
13		-	-	-	2	393	410	402	6	360	425	394
14		-	-	-	3	352	550	443	1	400	400	400
15		-	-	-	2	420	421	421	2	398	405	402
16		-	-	-	1	462	462	462	2	396	405	401
17		-	-	-	1	474	474	474		-	-	-
18		-	-	-	2	497	536	517	1	405	405	405
19		-	-	-	1	444	444	444		-	-	-
22		-	-	-	3	468	529	498		-	-	-
24		-	-	-	1	515	515	515		-	-	-
29		-	-	-	1	552	552	552		-	-	-

Notes:

1-DBA = detailed biological assessment

Table 3.3.7. Gonadosomatic (GSI)¹ and hepatosomatic (HSI)² indices of DBA³ fish, Bay-Goose Basin 2010.

Species Name	GSI (%)			HSI (%)		
	n	Range	Mean	n ⁴	Range	Mean
Arctic Char	2	8.6 - 16.4	12.5	45	0.2 - 4.0	1.1
Lake Trout	6	0.6 - 13.3	2.9	45	0.2 - 2.1	0.8
Round Whitefish	10	1.3 - 8.3	5.4	45	0.2 - 2.2	0.9

Notes:

1-GSI = gonadosomatic index; calculated as ovary weight/bodyweight

2-HSI = hepatosomatic index; calculated as liver weight/body weight

3-DBA = detailed biological assessment

4-only fish deemed to have a reliable body weight were included

Table 3.3.8. Summary of egg weight, fecundity and GSI of ripe and running female fish, Bay-Goose Basin 2010.

Species Name & Size Class	n	Length (mm)			# Eggs per Female			Average Weight per Egg (g)			GSI (%)		
		Min	Max	Mean	Min	Max	Mean	Min	Max	Mean	Min	Max	Mean
Arctic Char < 200mm	3	130	187	162	72	147	120	0.051	0.057	0.053	7.5	16.4	11.9
Arctic Char > 200mm	1	554	554	554	3722	3722	3722	0.045	0.045	0.045	8.6	8.6	8.6
Lake Trout	6	420	550	484	557	2579	1581	0.005	0.111	0.024	0.6	13.3	2.9
Round Whitefish < 200mm	10	90	120	98	40	269	143	0.001	0.015	0.004	1.9 ¹	9.2 ¹	5.1 ¹
Round Whitefish > 200mm	12	290	415	359	570	10755	5095	0.002	0.038	0.008	1.3	8.3	5.4

Notes: This table is based on all ripe and running females which were examined during the program. We were particularly interested in the apparent polymorphism of Arctic Char and Round Whitefish and decided to weigh and count the eggs of a random assortment of the females caught, in addition to those fish which were included in the detailed biological assessment.

1-GSI calculated using estimated weights of the fish derived from the growth curve (Appendix 5)

Table 3.3.9 Summary of invertebrate remains found within the stomachs of the DBA fish, Bay-Goose Basin, 2010.

Species	Arctic Char		Lake Trout		Round Whitefish	
n	50		50		48	
# of Empty Stomachs	2		6		3	
	Composition of Stomach Contents (%) ¹					
	Range	Average ²	Range	Average ²	Range	Average ²
INVERTEBRATES						
Crustacea						
Cladocera	0-50	2.1	0	0.0	0-100	2.1
Copepoda	0-100	54.7	0-100	9.7	0-1	<0.1
Ostracoda	0-35	1.2	0	0.0	0	0.0
Amphipoda	0-2	<0.1	0-5	0.1	0	0.0
Conchostraca	0	0.0	0	0.0	0-95	2.0
Annelida						
Oligochaeta	0-20	0.4	0	0.0	0	0.0
Mollusca						
Bivalvia						
Pisidiidae	0	0.0	0-40	0.8	0-30	0.9
Aquatic Insecta						
Trichoptera						
Limnephilidae-larva	0-75	1.6	0-30	0.6	0-100	35.8
Limnephilidae-adult	0	0	0-100	4.0	0	0.0
Unidentified-larva	0-50	2.3	0-100	3.6	0-100	20.9
Unidentified-pupa	0	0.0	0-40	0.8	0	0.0
Diptera						
Chironomidae-larva	0-38	2.2	0-90	5.2	0-50	3.9
Chironomidae-pupa	0	0.0	0-5	0.2	0	0.0
Unidentified-pupa	0	0.0	0-70	1.4	0-5	0.1
Coleoptera						
Dytiscidae-larva	0-2	<0.1	0	0.0	0-4	0.2
Dytiscidae-adult	0-3	<0.1	0	0.0	0	0.0
Ephemeroptera						
Ephemeridae-larva	0	0.0	0-5	0.1	0	0.0
UNIDENTIFIED ORGANIC MATERIAL						
	0-100	31.3	0-100	51.4	0-100	25.9

Notes:

1-Composition includes only invertebrates and unidentified organic materials after the identifiable fish remains had been removed.

2-Range and average percent composition was based on total number of stomachs examined for each species, including the empty stomachs.

Table 3.3.10. Summary of fish remains recovered in autopsies of DBA fish stomachs, Bay-Goose Basin 2010.

Species Name	Fish Stomach Sample ID	Fork Length (mm)	Collection Date	Wet Weight (g)	Cottidae	Salvelinus sp.	Arctic Char	Lake Trout	Unidentified fish	Eggs	Total
Lake Trout											
	012b_3	235	9-Aug-10	0.16	0	0	0	0	1	0	1
	029b_3	196	13-Aug-10	0.16	0	0	0	0	1	0	1
	045c_2	352	19-Aug-10	5.29	0	0	1	1	0	0	2
	046b_6	205	17-Aug-10	0.24	0	0	0	0	2	0	2
	046c_7	474	19-Aug-10	39.11	0	0	0	0	3	9	3
	049a_15	421	19-Aug-10	1.83	0	1	0	0	0	0	1
	051a_15	303	19-Aug-10	0.59	0	0	0	0	1	0	1
	055a_3	321	20-Aug-10	2.75	0	0	0	0	2	0	2
	056a_4	444	20-Aug-10	21.07	0	0	1	0	0	0	1
	066c_3	515	22-Aug-10	74.89	0	0	1	0	0	0	1
	084a_1	497	25-Aug-10	0.34	0	0	0	0	1	0	1
	143a_5	550	1-Sep-10	0.82	0	0	0	0	1	0	1
	143a_6	410	1-Sep-10	13.57	0	0	2	0	0	0	2
	190d_2	336	8-Sep-10	24.16	0	0	0	0	5	0	5
	207b_4	125	13-Sep-10	0.37	1	0	0	0	0	0	1
Round Whitefish											
	014a_1	400	10-Aug-10	83.45	0	0	0	0	5	0	5

Notes:

1-DBA = detailed biological assessment

Table. 3.3.11. Mean fish tissue total metals concentrations (mg/kg wet weight) of DBA¹ fish, Bay-Goose Basin, 2010.

Fish Species	Arctic Char									Lake Trout						Round Whitefish									
Tissue Type	Muscle					Liver				Muscle					Liver				Muscle			Liver			
Statistic	DL ²	n	% Samples Above Detection Level	Range	Mean	n	% Samples Above Detection Level	Range	Mean	n	% Samples Above Detection Level	Range	Mean	n	% Samples Above Detection Level	Range	Mean	n	% Samples Above Detection Level	Range	Mean	n	% Samples Above Detection Level	Range	Mean
Aluminum	3	15	33	<3.0 - 8.5	-	15	0	<3.0 - <20	BDL	15	7	<3.0 - 4.1	-	15	40	<3.0 - <20	-	15	0	<3.0 - <3.0	BDL	15	13	<3.0 - <30	-
Antimony	0.06	15	0	<0.060 - <0.060	BDL	15	0	<0.060 - <0.40	BDL	15	0	<0.060 - <0.060	BDL	15	0	<0.06 - <0.20	BDL	15	0	<0.060 - <0.060	BDL	15	0	<0.060 - <0.90	BDL
Arsenic	0.05	15	7	<0.050 - 0.056	-	15	80	<0.050 - 0.405	0.198	15	0	<0.050 - <0.050	BDL	15	20	<0.050 - <0.20	-	15	7	<0.05 - 0.052	-	15	27	<0.05 - <0.20	-
Barium	0.5	15	0	<0.50 - <0.50	BDL	15	0	<0.50- <3.0	BDL	15	0	<0.50 - <0.50	BDL	15	0	<0.50 - <2.0	BDL	15	7	<0.5 - 0.85	-	15	0	<0.50 - <7.0	BDL
Beryllium	0.05	15	0	<0.05 - <0.05	BDL	15	0	<0.050 - <0.30	BDL	15	0	<0.050 - <0.050	BDL	15	0	<0.050 - <0.20	BDL	15	0	<0.050 - <0.050	BDL	15	0	<0.050 - <0.60	BDL
Bismuth	0.02	15	0	<0.020 - <0.020	BDL	15	0	<0.020 - <0.40	BDL	15	7	<0.020 - 0.029	-	15	0	<0.020 - < 0.10	BDL	15	0	<0.020- <0.020	BDL	15	0	<0.020 - <0.20	BDL
Boron	1	15	0	<1.0 - < 1.0	BDL	15	7	<1.0 - <7.0	-	15	7	<1.0 - 1.7	-	15	0	<1.0 - <4.0	BDL	15	0	<1.0 - <1.0	BDL	15	7	<1.0 - 15.1	-
Cadmium	0.02	15	0	<0.020 - <0.020	BDL	15	100	0.132 - 0.80	0.264	15	13	<0.20 - 0.103	-	15	100	0.088 - 0.682	0.323	15	0	<0.020 - <0.020	BDL	15	87	0.026 - <0.20	0.083
Calcium	50	15	87	<50 - 687	135	15	53	72 - 383	-	15	100	63 - 305	131	15	87	<50 - <200	113	15	93	<50 - 512	155	15	80	64 - <600	160
Cesium	0.02	15	93	<0.020 - 0.054	0.035	15	40	<0.020 - <0.50	-	15	93	<0.020 - 0.054	0.039	15	67	<0.020 - <0.10	-	15	100	0.020 - 0.053	0.032	15	27	<0.020- <0.30	-
Chromium	0.2	15	53	<0.20 - 0.58	-	15	0	<0.20 - <1.0	BDL	15	27	<0.20 - 0.39	-	15	0	<0.20 - 1.0	BDL	15	20	<0.20 - 0.29	-	15	0	<0.20 - <2.0	BDL
Cobalt	0.01	15	60	<0.010 - 0.024	-	15	100	0.067 - 0.175	0.120	15	13	<0.010 - 0.040	-	15	100	0.480 - 0.505	0.125	15	67	<0.010 - 0.054	-	15	100	0.017 - 0.451	0.155
Copper	0.4	15	53	<0.40 - 0.64	-	15	100	1.25 - 24.3	13.03	15	13	<0.40 - 0.55	-	15	100	3.62 - 30.2	10.94	15	27	<0.04 - 0.44	-	15	87	<0.40 - 4.65	1.86
Iron	20	15	0	<20 - <20	BDL	15	100	149 - 574	391	15	0	<20 - <20	BDL	15	100	176 - 914	470	15	0	<20 - <20	BDL	15	93	58 - 297	154
Lead	0.2	15	0	<0.20 - <0.20	BDL	15	13	<0.20 - 2.77		15	0	<0.20 - <0.20	BDL	15	0	<0.20 - <0.80	BDL	15	0	<0.20 - <0.20	BDL	15	0	<0.20 - < 3.0	BDL
Magnesium	10	15	100	266 - 328	300	15	100	171 - 249	210	15	100	228 - 330	268	15	100	139 - 241	186	15	100	283 - 339	309	15	100	148 - 265	200
Manganese	0.2	15	33	<0.20 - 0.49	-	15	100	1.36 - 2.60	1.89	15	27	<0.20 - 0.37		15	100	0.86 - 2.83	1.6	15	60	<0.20 - 0.45	-	15	93	1.65 - 4.27	2.43
Mercury	0.001	15	100	0.0183 - 0.1160	0.0430	-	-	-	-	15	100	0.0588 - 0.571	0.1811	-	-	-	-	15	100	0.0161 - 0.0983	0.0406	-	-	-	-
Molybdenum	0.02	15	7	<0.020 - 0.041	-	15	100	0.134 - 0.329	0.252	15	20	<0.020 - 0.040	-	15	100	0.086 - 0.220	0.126	15	0	<0.020 - <0.020	-	15	100	0.104 - 0.229	0.163
Nickel	0.2	15	67	<0.20 - 0.58	-	15	0	<0.20 - <1.0	BDL	15	20	<0.20 - 0.34	-	15	33	<0.20 - <1.0	-	15	13	<0.20 - 0.32	-	15	47	<0.20 - <2.0	-
Phosphorus	10	15	100	2310 - 2970	2622	15	100	3280 - 4630	3766	15	100	1900 - 2700	2311	15	100	2510 - 4040	3286	15	100	2380 - 2850	2602	15	100	2850 - 4430	3755
Potassium	10	15	100	3690 - 4480	4116	15	100	2390 - 3550	2844	15	100	2720 - 4530	3760	15	100	2030 - 3450	2593	15	100	3810 - 4400	4084	15	100	2750 - 3950	3111
Rubidium	0.2	15	100	4.06 - 8.74	8.23	15	100	6.56 - 14.1	4.20	15	100	2.46 - 6.56	4.41	15	100	2.31 - 6.88	4.20	15	100	2.54 - 7.08	3.80	15	100	2.77 - 11.0	5.08
Selenium	0.1	15	100	0.31 - 0.58	0.42	15	93	<0.70 - 3.63	2.32	15	100	0.41 - 0.97	0.62	15	100	1.19 - 8.84	4.01	15	100	0.83 - 1.92	1.31	15	100	1.86 - 4.24	2.87
Silver	1	15	0	<1.0 - <1.0	BDL	15	0	<1.0 - <6.0	BDL	15	0	<1.0 - <1.0	BDL	15	0	<1.0 - <5.0	BDL	15	0	<1.0 - <1.0	BDL	15	0	<1.0 - <10	BDL
Sodium	10	15	100	124 - 442	324	15	100	779 - 1640	1210	15	100	109 - 785	366	15	100	739 - 2170	1476	15	100	215 - 457	361	15	100	648 - 1750	1268
Strontium	0.1	15	53	<0.10 - 1.17	-	15	53	<0.10 - 0.53	-	15	60	<0.10 - 0.54	-	15	80	<0.10 - <0.50	0.20	15	67	<0.10 - 1.12	-	15	73	<0.10 - <1.0	-
Tellurium	0.08	15	0	<0.080 - <0.080	BDL	15	0	<0.080 - <0.40	BDL	15	0	<0.080 - <0.080	BDL	15	0	<0.080 - <0.40	BDL	15	0	<0.080 - <0.080	BDL	15	0	<0.080 - <0.90	BDL
Thallium	0.06	15	0	<0.060 - <0.060	BDL	15	7	<0.060 - <0.40	-	15	0	<0.060 - <0.060	BDL	15	27	<0.060 - <0.20	-	15	0	<0.060 - <0.060	BDL	15	7	<0.060 - <0.90	-
Tin	1	15	7	<1.0 - 11.3	-	15	0	<1.0 - <6.0	BDL	15	0	<1.0 - <1.0	BDL	15	0	<1.0 - <5.0	BDL	15	7	<1.0 - 14.3	-	15	0	<1.0 - <5.0	BDL

Fish Species	Arctic Char									Lake Trout						Round Whitefish									
Tissue Type	Muscle					Liver				Muscle			Liver			Muscle			Liver						
Statistic	DL ²	n	% Samples Above Detection Level	Range	Mean	n	% Samples Above Detection Level	Range	Mean	n	% Samples Above Detection Level	Range	Mean	n	% Samples Above Detection Level	Range	Mean	n	% Samples Above Detection Level	Range	Mean				
Titanium	0.1	15	80	<0.10 - 0.19	0.12	15	27	0.11 - <0.70	-	15	13	<0.10 - 0.11	-	15	47	<0.10 - <0.40	-	15	47	<0.10 - 0.23	-	15	87	0.12 - <1.0	0.20
Uranium	0.02	15	0	<0.020 - <0.10	BDL	15	0	<0.020 - <0.10	BDL	15	7	<0.020 - 0.023	-	15	0	<0.020 - <0.10	BDL	15	0	<0.020 - <0.020	BDL	15	73	<0.020 - <0.20	-
Vanadium	0.06	15	33	<0.060 - 0.098	-	15	0	<0.060 - <0.30	BDL	15	7	<0.060 - 0.070	-	15	0	<0.060 - <0.30	BDL	15	7	<0.060 - 0.113	-	15	0	<0.060 - <0.60	BDL
Zinc	5	15	67	<5.0 - 13.9	-	15	100	19.2 - 54.2	43.8	15	40	3.2 - 6.5	-	15	100	21.4 - 44.5	34.1	15	13	<5.0 - 5.5	-	15	93	19.4 - <50	23.2

Notes:
1- DBA = detailed biological assessment
2- DL = laboratory standard detection limit
Mean metal concentrations were calculated where 75 % or greater of the samples were above the detection limit. Values below detection limit were included as half their detection limit value.
BDL = all samples were below the detection limit

Table 3.3.12. QA/QC data for fish tissue total metals concentrations (mg/kg wet weight), Bay-Goose Basin, 2010.

Sample Type		Arctic Char Muscle Tissue			Arctic Char Muscle Tissue			Lake Trout Muscle Tissue			Round Whitefish Muscle Tissue			Round Whitefish Muscle Tissue			Arctic Char Liver Tissue			Lake Trout Liver Tissue			Lake Trout Liver Tissue			Round Whitefish Liver Tissue			Round Whitefish Liver Tissue		
		Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%			
TOTAL METALS (mg/kg ww)	MDL																														
Aluminum	3	4.6	<3.0	42.1	<3.0	<3.0	-	<3.0	<3.0	-	<3.0	<3.0	-	<3.0	<3.0	-	<3.0	<3.0	-	<3.0	4.6	-42.1	4.1	5.7	-32.7	3.5	<3.0	15.4	<3.0	4.20	-33.3
Antimony	0.06	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.090	-40.0
Arsenic	0.05	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.080	-46.2
Barium	0.5	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	<0.50	-	<0.50	<0.80	-46.2
Beryllium	0.05	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.050	-	<0.050	<0.060	-18.2	<0.050	<0.050	-	<0.050	<0.060	-18.2
Bismuth	0.02	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.030	-40.0
Boron	1	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<2.0	-66.7
Cadmium	0.02	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	0.164	0.149	9.6	0.547	0.585	-6.7	0.088	0.092	-4.4	0.127	0.127	-	0.054	0.086	-45.7
Calcium	50	98	101	-3.0	108	78	32.3	106	60	55.4	78	65	18.2	286	312	-8.7	88	92	-4.4	64	76	-17.1	129	130	-0.8	71	79	-10.7	76	93	-20.1
Cesium	0.02	0.039	0.032	19.7	0.029	0.031	-6.7	0.051	0.046	10.3	0.028	0.027	3.6	0.035	0.045	-25.0	<0.020	<0.020	-	<0.020	<0.020	-	0.031	0.035	-12.1	0.025	0.023	8.3	<0.020	<0.030	-40.0
Chromium	0.2	<0.20	<0.20	-	<0.20	<0.20	-	0.25	1.82	-151.7	<0.20	<0.20	-	0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.30	-40.0
Cobalt	0.01	0.013	<0.010	26.1	<0.010	<0.010	-	<0.010	0.012	-18.2	<0.010	<0.010	-	0.018	0.014	25.0	0.075	0.074	1.3	0.132	0.142	-7.3	0.093	0.096	-3.2	0.053	0.055	-3.7	0.017	0.074	-125.3
Copper	0.4	0.61	0.40	41.6	<0.40	<0.40	-	<0.40	<0.40	-	<0.40	<0.40	-	<0.40	<0.40	-	1.25	1.05	17.4	4.55	4.89	-7.2	3.62	3.68	-1.6	0.15	0.87	-140.2	<0.40	1.54	-117.5
Iron	20	<20	<20	-	<20	<20	-	<20	<20	-	<20	<20	-	<20	<20	-	455	550	-18.9	345	383	-10.4	369	348	5.9	72	79	-9.3	164	184	-11.3
Lead	0.2	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.30	-40.0
Magnesium	10	313	303	3.2	315	311	1.3	237	222	6.5	317	320	-0.9	317	296	6.9	212	225	-5.9	177	188	-6.0	203	230	-12.5	242	235	2.9	158	182	-14.1
Manganese	0.2	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	0.30	-40.0	<0.20	<0.20	-	0.36	0.29	21.5	2.34	2.41	-2.9	2.09	2.22	-	1.00	1.07	-6.8	2.87	2.91	-1.4	1.72	2.21	-24.9
Mercury	0.001	0.0444	0.0401	10.2	0.0591	0.0505	15.7	0.4650	0.4480	3.7	0.0440	0.0428	2.8	0.0312	0.0326	-4.4	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Molybdenum	0.02	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	0.134	0.110	19.7	0.086	0.101	-16.0	0.12	0.109	9.6	0.137	0.143	-4.3	0.130	0.158	-19.4
Nickel	0.2	0.35	<0.20	54.5	<0.20	<0.20	-	<0.20	0.42	-71.0	<0.20	<0.20	-	0.23	<0.20	14.0	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	<0.20	-	<0.20	0.26	-26.1	<0.20	<0.30	-40.0
Phosphorus	10	2900	2620	10.1	2940	2680	9.3	2270	2180	4.0	2690	2760	-2.6	2530	2910	-14.0	3840	5000	-26.2	3190	3420	-7.0	3240	3890	-18.2	4380	4220	3.7	2890	3540	-20.2
Potassium	10	4480	4080	9.3	4480	4390	2.0	3720	3450	7.5	4210	4270	-1.4	3810	4550	-17.7	3550	3400	4.3	3060	3120	-1.9	2260	2230	1.3	3950	4050	-2.5	2960	3090	-4.3
Rubidium	0.2	8.05	7.32	9.5	6.76	6.66	1.5	5.44	4.96	9.2	4.18	3.99	4.7	3.06	3.57	-15.4	8.68	7.94	8.9	2.91	2.75	5.7	5.30	5.06	4.6	10.3	10.8	-4.7	5.54	5.67	-2.3
Selenium	0.1	0.44	0.40	9.5	0.47	0.47	-	0.46	0.53	-14.1	1.92	1.68	13.3	1.16	1.32	-12.9	0.85	1.01	-17.2	1.19	1.29	-8.1	4.78	4.48	6.5	2.47	2.66	-7.4	2.80	2.92	-4.2
Silver	1	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-
Sodium	10	410	360	13.0	239	232	3.0	477	478	-0.2	412	423	-2.6	325	364	-11.3	1640	1660	-1.2	1620	1570	3.1	1450	1540	-6.0	860	909	-5.5	1470	1400	4.9
Strontium	0.1	0.10	0.11	-9.5	<0.10	<0.10	-	0.12	<0.10	18.2	<0.10	<0.10	-	0.47	0.53	-12.0	0.10	0.11	-9.5	<0.10	<0.10	-	0.23	0.22	4.4	0.11	0.12	-8.7	0.13	0.17	-26.7
Tellurium	0.08	<0.080	<0.080	-	<0.080	<0.080	-	<0.080	<0.080	-	<0.080	<0.080	-	<0.080	<0.080	-	<0.080	<0.080	-	<0.080	<0.080	-	<0.080	<0.10	-22.2	<0.080	<0.080	-	<0.80	<0.10	155.6

Sample Type		Arctic Char Muscle Tissue			Arctic Char Muscle Tissue			Lake Trout Muscle Tissue			Round Whitefish Muscle Tissue			Round Whitefish Muscle Tissue			Arctic Char Liver Tissue			Lake Trout Liver Tissue			Lake Trout Liver Tissue			Round Whitefish Liver Tissue			Round Whitefish Liver Tissue		
TOTAL METALS (mg/kg ww)	MDL	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%	Original	Duplicate	RPD%
Thallium	0.06	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	0.081	0.073	10.4	0.065	0.076	-15.6	0.075	0.065	14.3	0.062	0.066	-6.3	<0.060	<0.090	-40.0
Tin	1	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-	<1.0	<1.0	-
Titanium	0.1	0.11	<0.10	9.5	0.19	0.10	62.1	<0.10	<0.10	-	0.12	<0.10	18.2	<0.10	<0.10	-	0.11	0.10	9.5	0.10	0.12	-18.2	<0.10	0.13	-26.1	0.14	0.18	-25.0	0.13	0.17	-26.7
Uranium	0.02	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	<0.020	<0.020	-	0.022	0.023	-4.4	0.027	0.043	-45.7
Vanadium	0.06	0.08	<0.060	22.2	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	<0.060	-	<0.060	0.135	-76.9	<0.060	<0.080	-28.6	<0.060	<0.060	-	<0.060	<0.080	-28.6
Zinc	5	6.3	5.2	19.1	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	<5.0	-	<5.0	<5.0	-	19.2	19.2	-	21.4	22.8	-6.3	31.3	36.9	-16.4	23.0	23.3	-1.3	20.4	22.9	-11.5

Notes:
RPD = Relative Percent Difference = ((original - duplicate)/((original + duplicate)/2)
*100 when a # is reported as being below the detection limit, it is included as the detection limit in the calculation of RPD (example: <0.060 = 0.060)
RPDs are shaded when in exceedance of 25% but only if the original and duplicate concentrations exceed 10 x the MDL (method detection limit)

FIGURES

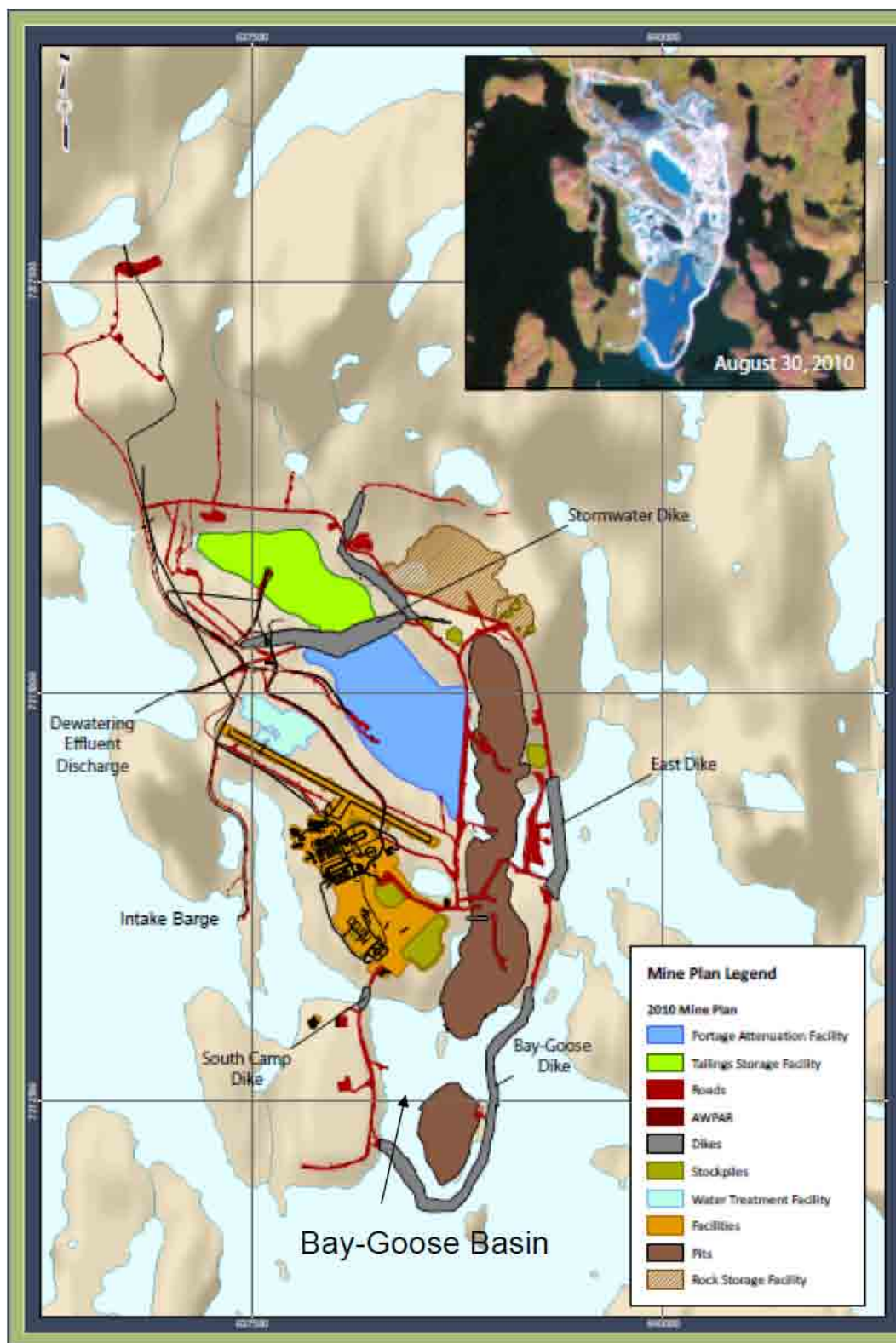


Figure 1.3.1. Map of Agnico Eagle Mines Meadowbank Division mine site, located northwest of Baker Lake, Nunavut.

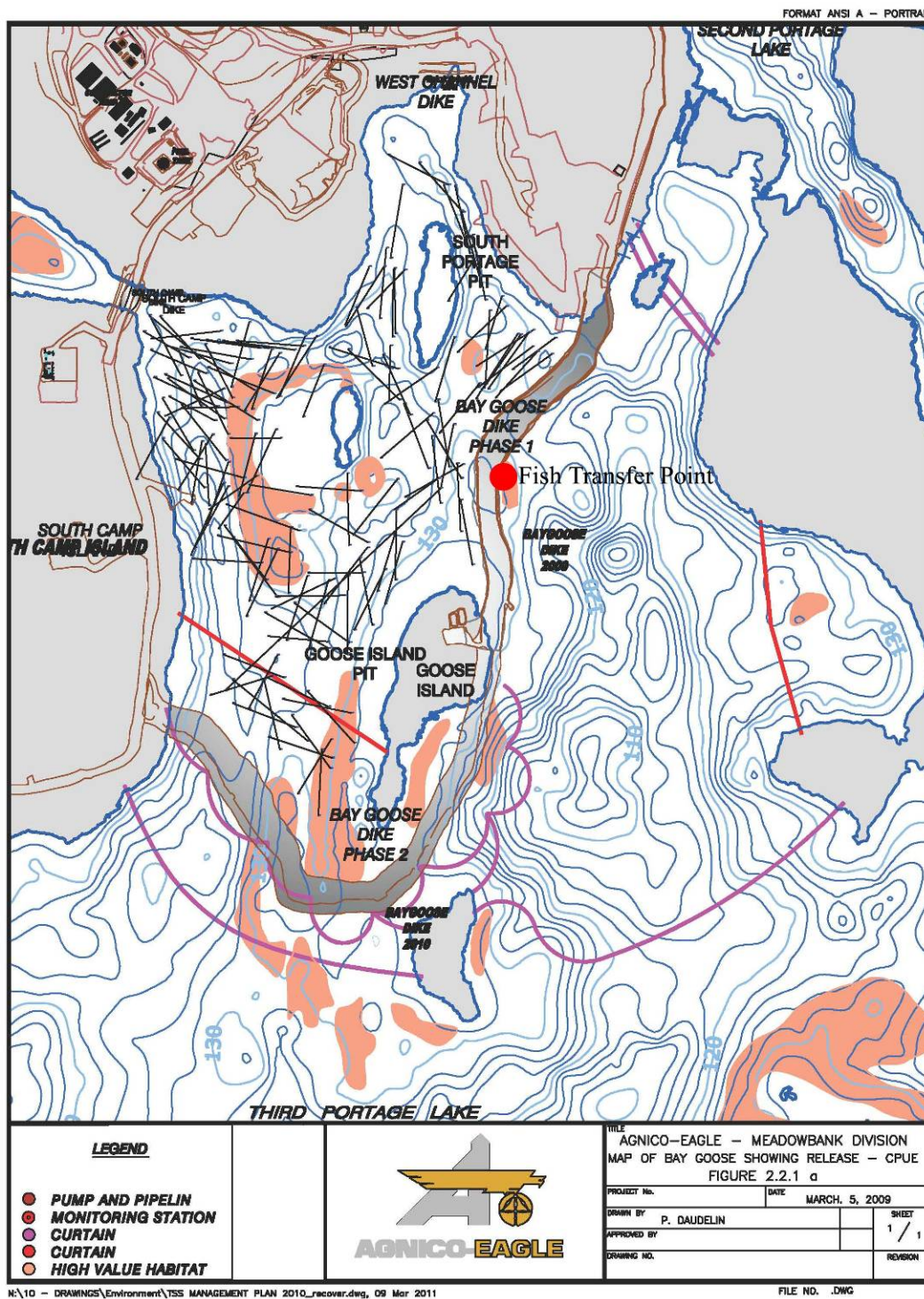


Figure 2.2.1. Map of Bay-Goose Basin and surrounding area showing CPUE phase net set locations.



Figure 2.2.2. Photos of fish transfer from the Bay-Goose Basin to Third Portage Lake, 2010. A-Lake Trout with Floy© tag; B-transfer tub with aerator in boat; C-transfer tub with aerator in back of truck; D-sign warning workers to stay clear of release zone in Third Portage Lake and, E: employee releasing Lake Trout into Third Portage Lake.

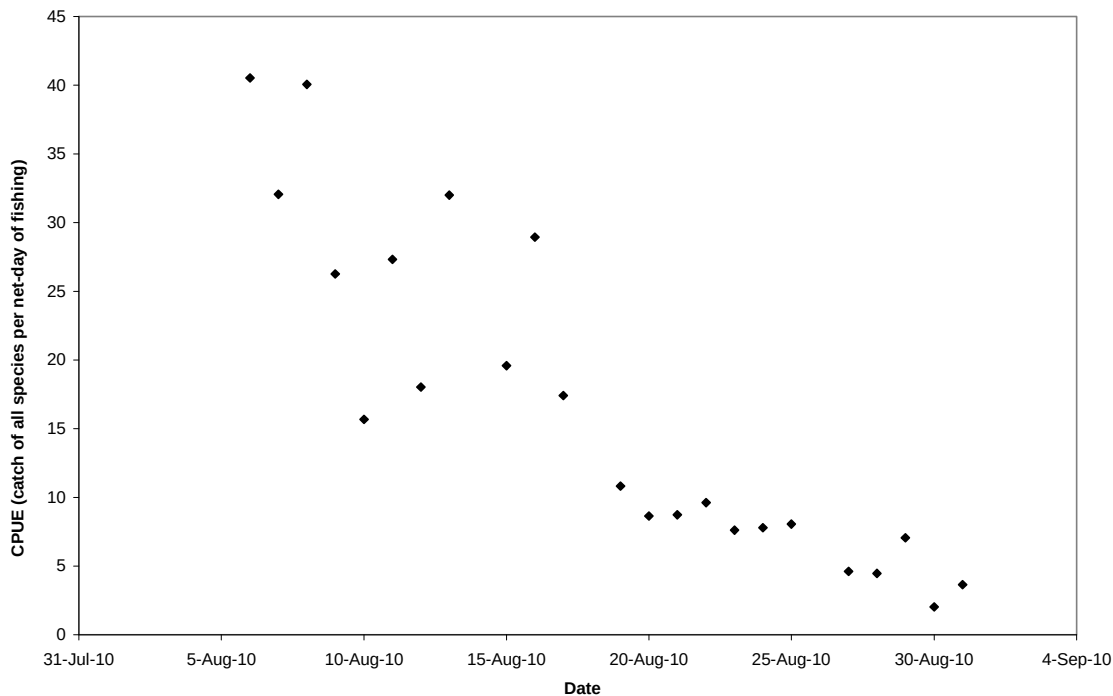


Figure 3.1.1. Plot of catch-per-unit-effort based on numbers of captured fish against time from 06 August to 31 August, Bay-Goose Basin, 2010.

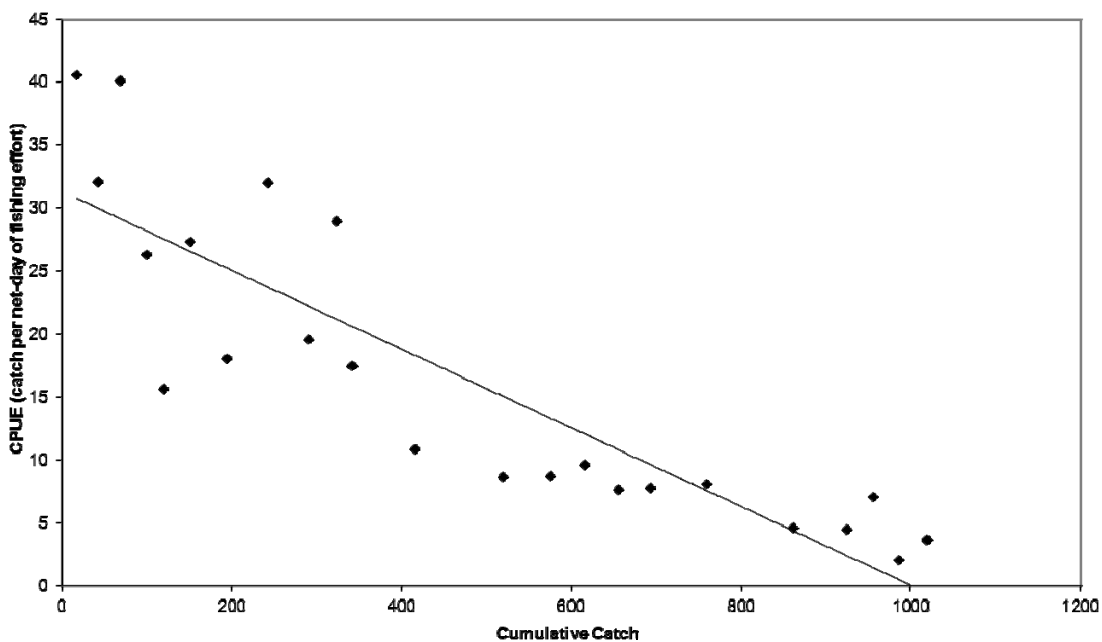


Figure 3.1.2. Catch-per-unit-effort based on number of captured fish using the Leslie method, 06 August to 31 August, Bay-Goose Basin, 2010. Note that the catchability equals the slope of the line.

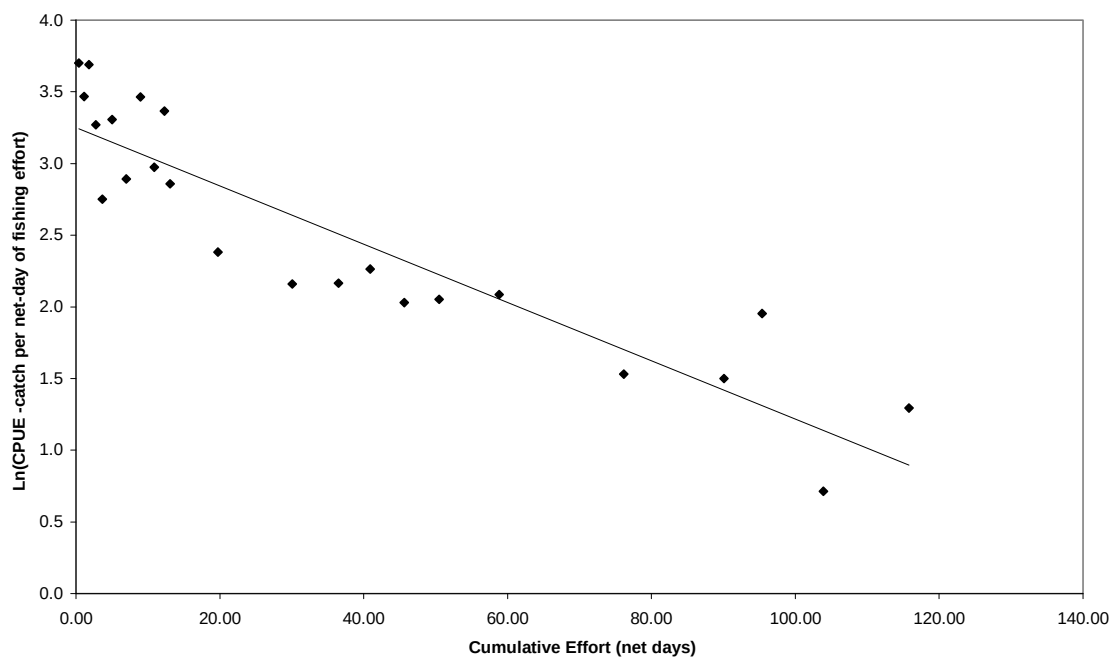


Figure 3.1.3. Catch-per-unit-effort based on number of captured fish using the DeLury method, 06 August to 31 August, Bay-Goose Basin, 2010.

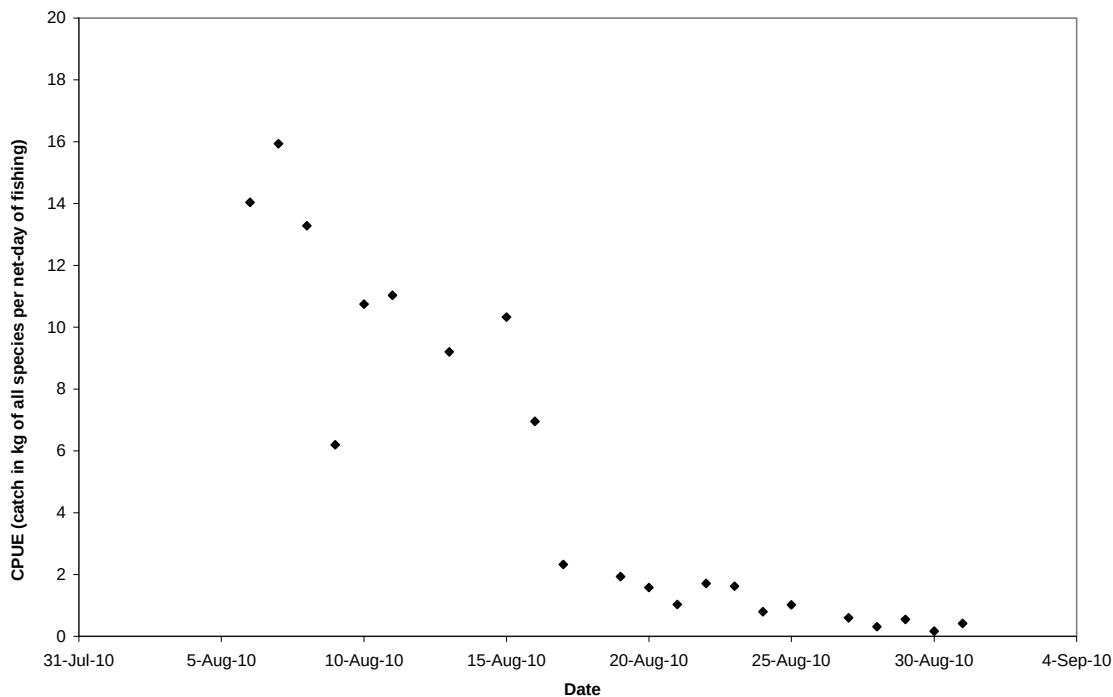


Figure 3.1.4. Catch-per-unit-effort, based on the biomass of captured fish as a function of time from 06 August to 31 August, Bay-Goose Basin, 2010.

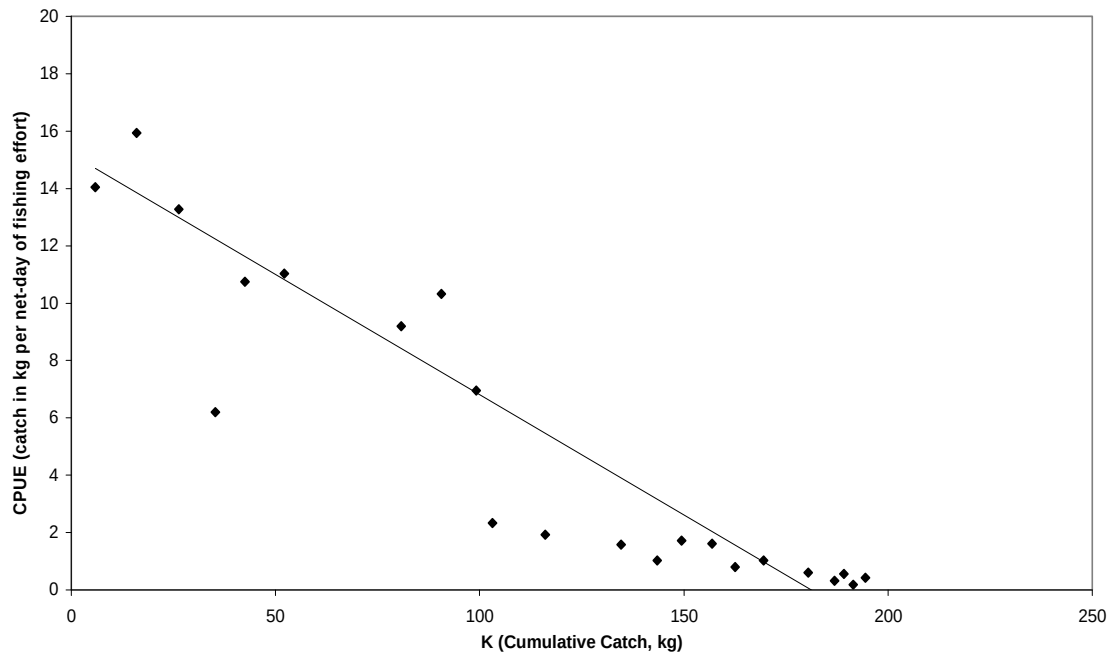


Figure 3.1.5. Catch-per-unit-effort based on the biomass of captured fish using the Leslie method, 06 August to 31 August, Bay-Goose Basin, 2010. Note that the catchability equals the slope of the line.

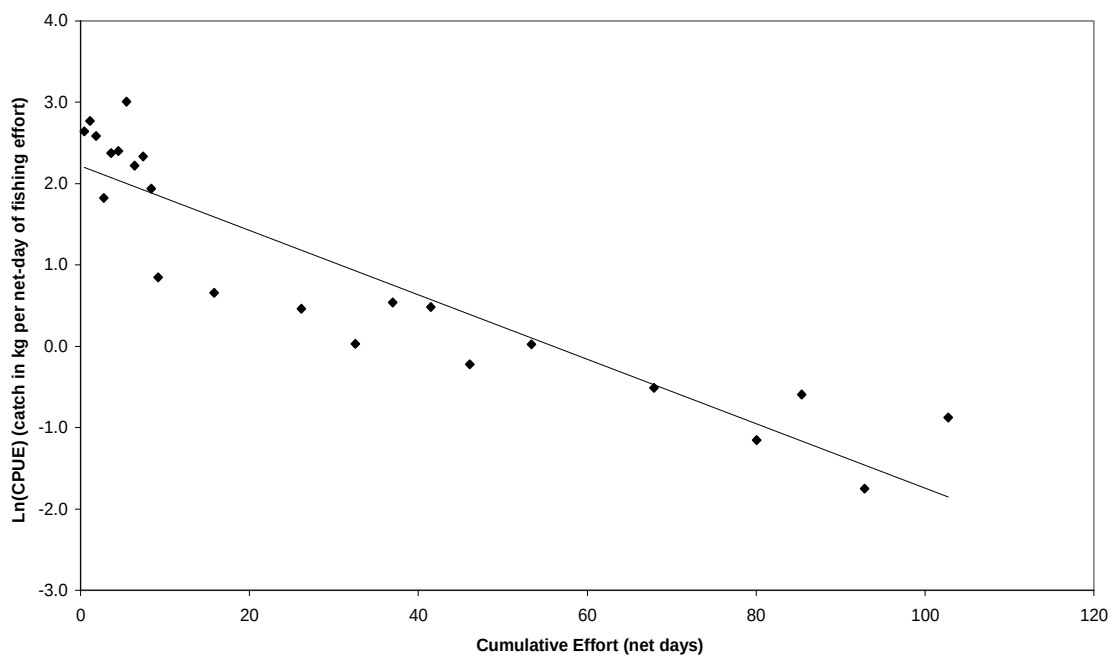


Figure 3.1.6. Catch-per-unit-effort based on the biomass of captured fish using the DeLury method, 06 August to 31 August, Bay-Goose Basin, 2010.

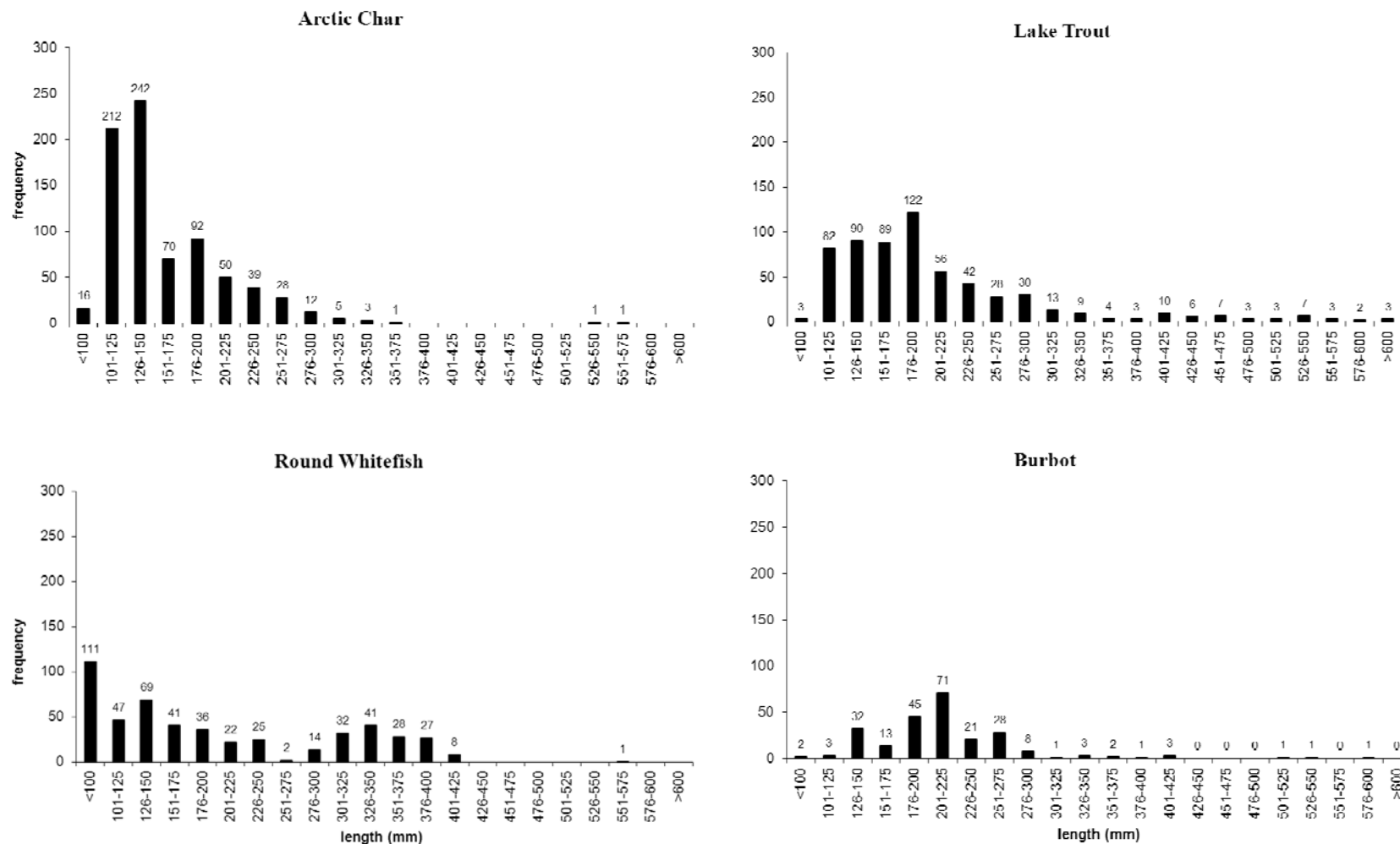


Figure 3.3.1. Length-frequency distributions of Arctic Char (n =772), Lake Trout (n = 616), Round Whitefish (n = 504), and Burbot (n = 236) from the Bay-Goose Basin, 2010.

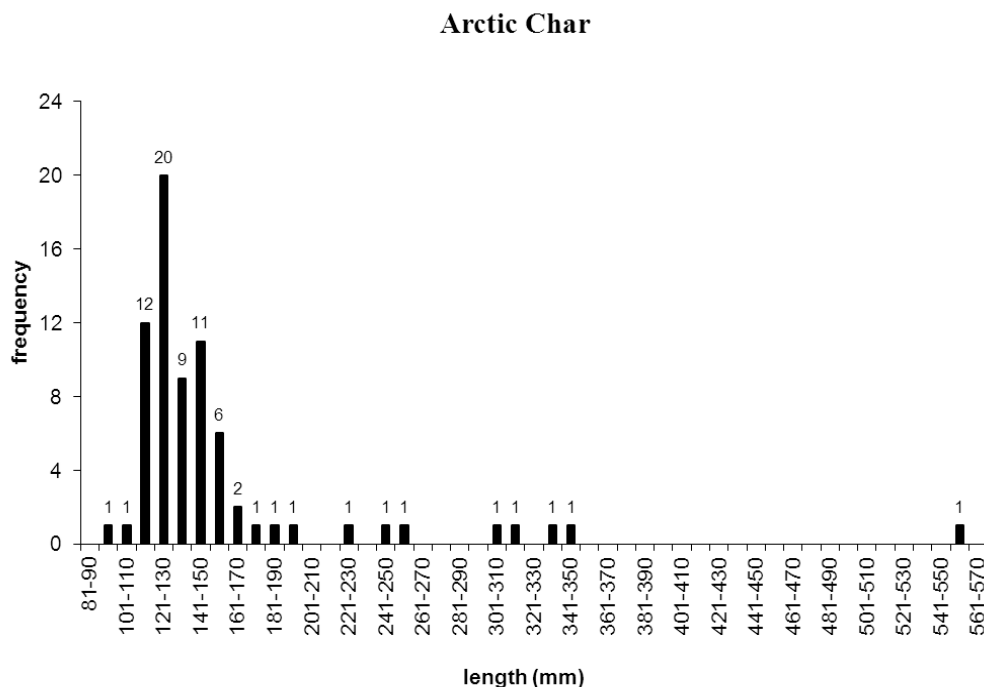


Figure 3.3.2. Length-frequency distribution of mature Arctic Char from the Bay-Goose Basin, 2010. Includes all ripe, running, spent, and resting fish. n = 73



Figure 3.3.3. Mature male Arctic Char, in spawning condition from the Bay-Goose Basin, 2010.

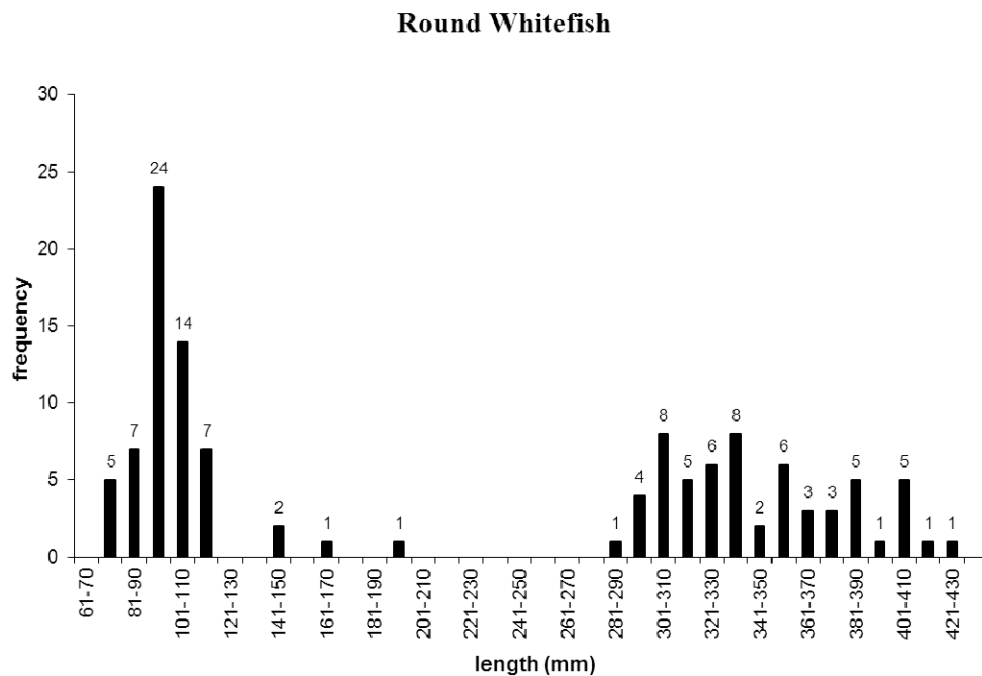


Figure 3.3.4. Length-frequency distribution of mature Round Whitefish. Includes all ripe, running, spent, and resting fish from the Bay-Goose Basin, 2010. n = 121



Figure 3.3.5. Mature female Round Whitefish, in spawning condition from the Bay-Goose Basin, 2010.

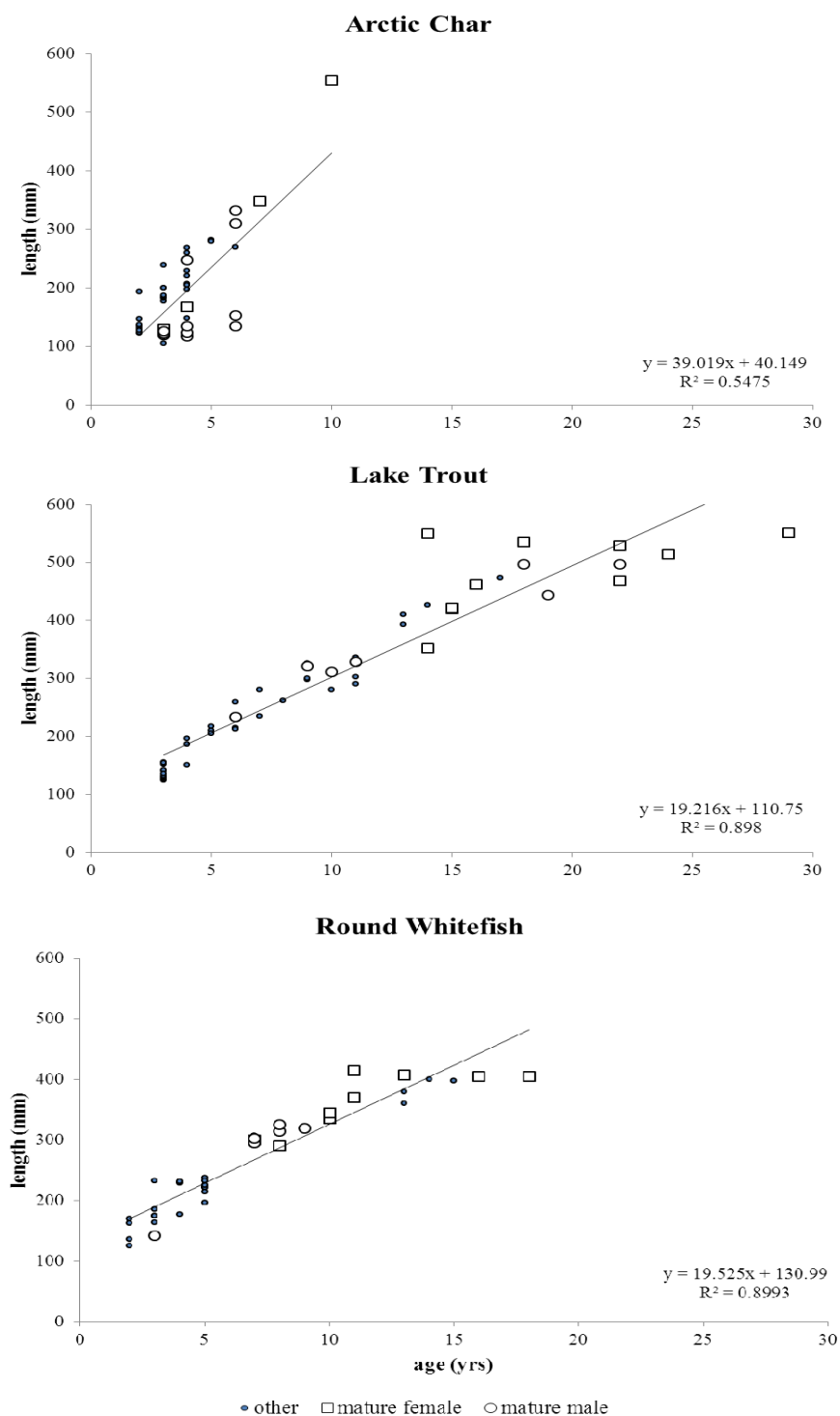


Figure 3.3.6. Age at length relationship of Arctic Char (n = 50), Lake Trout (n = 50) and Round Whitefish (n = 48) DBA fish. Mature male and female fish are identified on the figure by open squares (female) and circles (male). Bay-Goose Basin 2010.

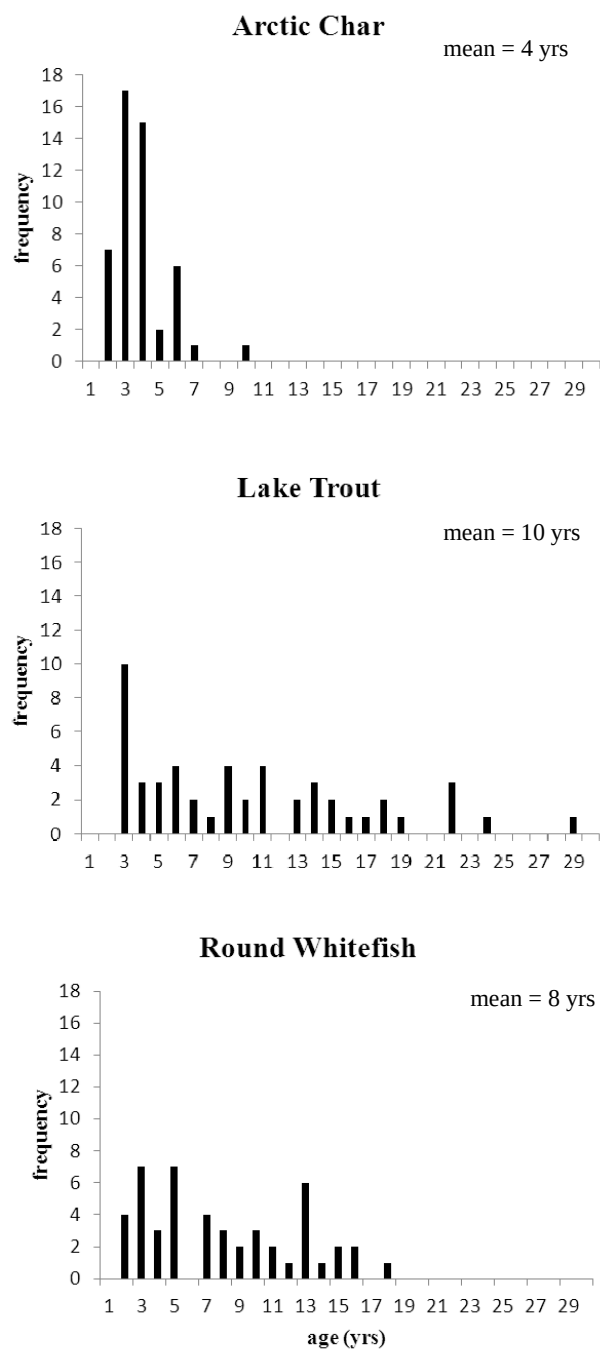


Figure 3.3.7. Age-frequency distributions of DBA Arctic Char (n = 50), Lake Trout (n = 50), and Round Whitefish (n = 48), Bay-Goose Basin 2010. DBA = detailed biological assessment.

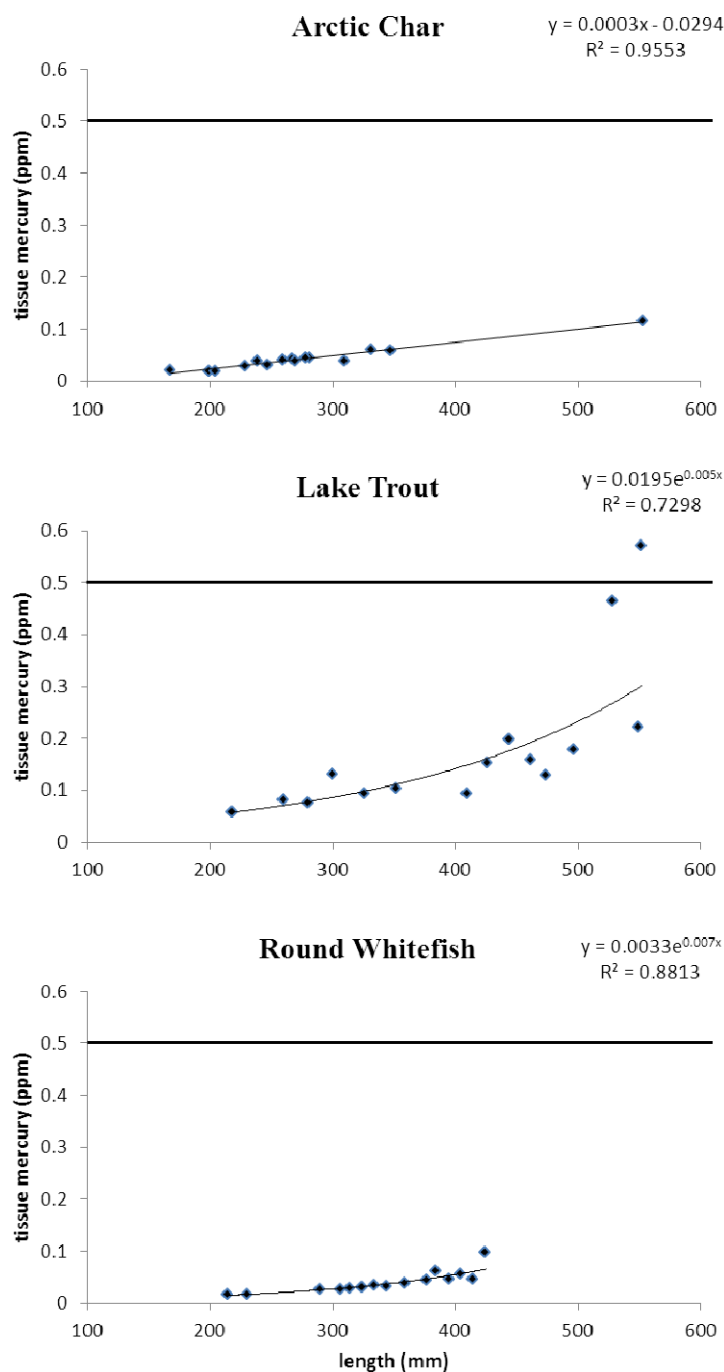


Figure 3.3.8. Mercury concentration (mg/kg or ppm) in fish tissue from the Bay-Goose Basin, 2010. The accepted guideline limit for concentration in aquatic animal tissue for human consumption is 0.5 ppm. Trend lines represent the best line of fit. n = 15 for each species.

APPENDIX 1.

2010 AEM FISH-OUT PROGRAM



MEADOWBANK GOLD PROJECT

Fish-Out Program

Version 2
June 2010

DISTRIBUTION LIST

Operations Manager

Environment Superintendent

Dike Superintendent

Project Manager of Fish-Out Program

Environment Coordinator

Environment Biologist

DOCUMENT CONTROL

Version	Date (YMD)	Section	Page	Revision
1	2008-05-30			Fish Out Program for the northwest arm of Second Portage Lake
2	2010-06-11	all		Fish Out Program revised to include fish out of Bay-Goose impoundment area in Third Portage Lake

Approved by:

 Stéphane Robert
Environment Superintendent

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SECTION 1 • INTRODUCTION

Three fish out programs are planned for the Meadowbank Gold project. The first fish-out program took place during the summer of 2008 in the northwest arm of Second Portage Lake. The second is planned for the summer of 2010 from the Bay-Goose impoundment area in Third Portage Lake. The third is planned for the summer of 2013 from the Vault Lake impoundment area.

The fish-out programs conducted for the Meadowbank gold project are guided by the draft Department of Fisheries and Oceans Canada (DFO) document entitled “General Fish-out Protocol for Lakes to be Lost Due to Mining Development”, January 2008. The fish-out program has also incorporated inputs from the local community (public presentation in Baker Lake on April 16, 2008 and community comments during the 2008 fish-out). It also incorporates 2010 comments provided by DFO representatives.

Agnico-Eagle Mines Ltd. (AEM) is committed to the collection of key scientific information to help improve the understanding of fish productivity in northern lakes. To this end, and in addition to standard reporting requirements, AEM supports the publishing of relevant results in the peer-reviewed scientific literature to maximize access to the information.

The following elements of the program are elaborated upon in this document:

- Section 2. Community Consultation and Fish Distribution
- Section 3. Permitting
- Section 4. Personnel
- Section 5. Isolation of Impoundment Areas and TSS Mitigation Measures
- Section 6. Limnology
- Section 7. Mark Recapture
- Section 8. CPUE Phase
- Section 9. Final Removal
- Section 10. Habitat Mapping
- Section 11. Reporting

The schedule for implementing key elements of the fish out program in Second Portage Lake is provided in Table 1. The proposed schedule of the fish out program in Third Portage Lake is shown in Table 2. Commencement of the fish-out program is directly related to spring breakup.

Table 1: Schedule of fish out of NorthWest arm of Second Portage Lake

	Timing					Dates
	Jul 2008	Aug 2008	Sep 2008	Oct 2008	Nov 2008 - Dec 2009	
Permitting		X				Aug 11, 2008
Isolation of NW arm of SPL	X					Jul 30, 2008
Limnology	X	X	X			Jul to Sep, 2008
Mark recapture		X				Aug 3-17, 2008
CPUE phase		X	X			Aug 21 - Sep 27, 2008
Final removal			X	X		Sep 27 - Oct 16, 2008
Reporting					X	Mar 31, 2009
Dewatering					X	Began Mar 17, 2009
Habitat mapping					X	Jul & Aug, 2009

Table 2: Proposed schedule of fish out of Bay- Goose impoundment area in Third Portage Lake

	Timing					Anticipated Dates
	Jul 2010	Aug 2010	Sep 2010	Oct 2010	Nov 2010 to August 2011	
Permitting	X					ideally approval granted by Jul 1, 2010
Isolation of Bay-Goose impoundment area in TPL	X					Jul 30, 2010
Limnology	X	X	X			Jul to Sep, 2010
CPUE phase		X	X			Aug 11 - Sep 15, 2010
Final removal*			X	X		Sep 16 - Oct 11, 2010
Reporting					X	Mar 31, 2011
Dewatering					X	Apr 2011
Final removal continued **					X	Jul 2011
Habitat mapping					X	Jul & Aug 2011
Habitat mapping reporting						Mar 31, 2012

* initiation of final removal in consultation with DFO

** if necessary; the decision will be made in consultation with the DFO in consideration of meeting final fishout removal criteria, draw-down timing, safety and ensuring water quality and depth for overwintering is adequate to maintain a healthy fish population.

SECTION 2 • COMMUNITY CONSULTATION AND FISH DISTRIBUTION

Prior to the fish-out of the northwest arm of Second Portage Lake, on April 16, 2008, a presentation was given to the community of Baker Lake by AEM and Azimuth Consulting Group Inc. (Azimuth) representatives. The proposed fish out program was described in detail and the proposed method of fish distribution to the community.

General questions regarding the program were raised by the community. In addition, one person expressed concerns regarding consuming fin-clipped fish. Informal discussions with other attendees suggested that this was not a general concern, so the program was not modified. No other concerns were raised.

Distribution of fish from the northwest arm of Second Portage Lake to the community of Baker Lake took place from mid August to mid October 2008. Fish were processed differently according to size and species, and grouped into two categories: “people food” or “dog food”.

People Food: All lake trout and Arctic char greater than about 300 mm were processed on site (i.e., gutted and gilled) and shipped either fresh or frozen to Baker Lake. A small number of round whitefish, in excess of 250 mm, were shipped to town because some elders indicated they liked to eat whitefish. All fish destined for human consumption were placed within individual bags, heat sealed and identified whether fish were sacrificed (blow to the head) or died in the nets. Some people preferred to eat fish that were sacrificed and not those that died in nets. Labelling individual bags allowed locals to choose what they wanted.

Dog Food: All small fish of all species and all burbot were frozen in small groups, bagged and frozen for use as dog food. Fish smaller than 100 mm were not processed; they were frozen whole for use as dog food.

The fish were transported in boxes to Baker Lake and placed inside of the community freezer and accessible to interested community members. Initially, during the first 2 – 3 weeks of fishing, fish were delivered fresh or frozen daily or every second day. As numbers of fish declined during the course of the fishing effort, shipments to town were reduced to every few days.

AEM's community liaison officer announced the anticipated arrival time of the fish on the community radio station that day. Residents came down to the freezer and selected fish as desired. On occasion, boxes of ‘people food’ fish were taken to the local hospice and community center for special events. These fish distributions were coordinated by AEM's community liaison officer.

The fish distribution in 2008 from Second Portage Lake was a success. AEM received good feedback from the community on the program and all of the fish at the end of the season had been selected by residents.

In 2010, AEM will transfer fish into Third Portage Lake and continue to distribute the fish from the Third Portage Lake impoundment area to the community of Baker Lake in a similar manner as during the 2008 fishout. Prior to distribution, fish tissue from 3 representative lake trout specimens will be collected for analysis to ensure the fish collected inside the Bay-Goose area is suitable for consumption,

SECTION 3 • PERMITTING

In advance of the fish-out program of the Bay Goose impoundment area, AEM will apply for a license from DFO to Fish for Scientific Purposes and a letter of approval of the Animal Use Protocol . One of the requirements of this license is an estimation of the fisheries inventory that will be removed during the fish-out.

An estimate of the abundance and biomass of fish in the Third Portage Lake impoundment area was determined based on the results from the 2008 fish-out of the northwest arm of Second Portage Lake. Simple correlations were made between volume and surface area of the two impoundment areas.

As compared to Second Portage Lake the Bay-Goose impoundment is a shallow basin and therefore it is not easy to predict the number and biomass of fish that will be harvested during the Bay-Goose fishout. In 2008, 3079 fish totaling 1123 kg were harvested from the northwest arm of Second Portage Lake. This impoundment area had a volume of 14.6 Mm³ and a surface area of 1.3 km². The Third Portage Lake impoundment area has a volume of 3 Mm³ and a surface area of 0.72 km². If we assume that fish abundance is proportional to volume, the estimated number of fish in the Third Portage Lake impoundment area is 630, with a total biomass of 230 kg. If we assume that fish abundance is proportional to surface area, the estimated number of fish is 1705 with a total biomass of 617 kg. It is likely that the true number of fish is somewhere between these two estimates. The mid-point between these 2 estimates is 1167 fish at a total of 423 kg.

Assuming the same species assemblage as in Second Portage Lake (65% lake trout, 16% arctic char, 10% round whitefish, 9% burbot), and the same average weight per fish, our best estimate for expected catch in the Bay-Goose impoundment area is as follows:

- 759 lake trout (at average weight of 0.36 kg)
- 187 arctic char (at average weight of 0.61 kg)
- 117 round whitefish (at average weight of 0.25 kg)
- 105 burbot (at average weight of 0.11 kg)

These estimates, if correct, would result in total catch amounting to 38% of what was caught during the 2008 fish-out.

However, due to previous disturbances in the Third Portage Lake impoundment area from the construction of phase 1 of the Bay Goose dike (noise, sedimentation, poor visibility), we expect that many of the fish in the area will have dispersed to other, non-disturbed areas of the lake. Furthermore, since there are only 2 small overwintering basins within the Bay Goose impoundment and confinement during causeway construction occurred during the winter, the number of fish remaining in the basin will be a function of the available overwintering habitat. This differs from the 2008 program when the fishout cut-off net was deployed during open water and prior to disturbance. Therefore, the above estimates are expected to be an over-estimation of the actual abundance and biomass of fish in the Third Portage Lake Bay Goose impoundment area.

SECTION 4 • PERSONNEL

The 'Project Manager(s)' and 'Project Senior Biologist'(s) for the fish out program will be fisheries biologists from North/South Consultants Inc. (Winnipeg, Manitoba). All personnel from North/South will be experienced personnel, many of which have worked in the Arctic and/or participated in the fish-out of Second Portage Lake in 2008, on behalf of AEM.

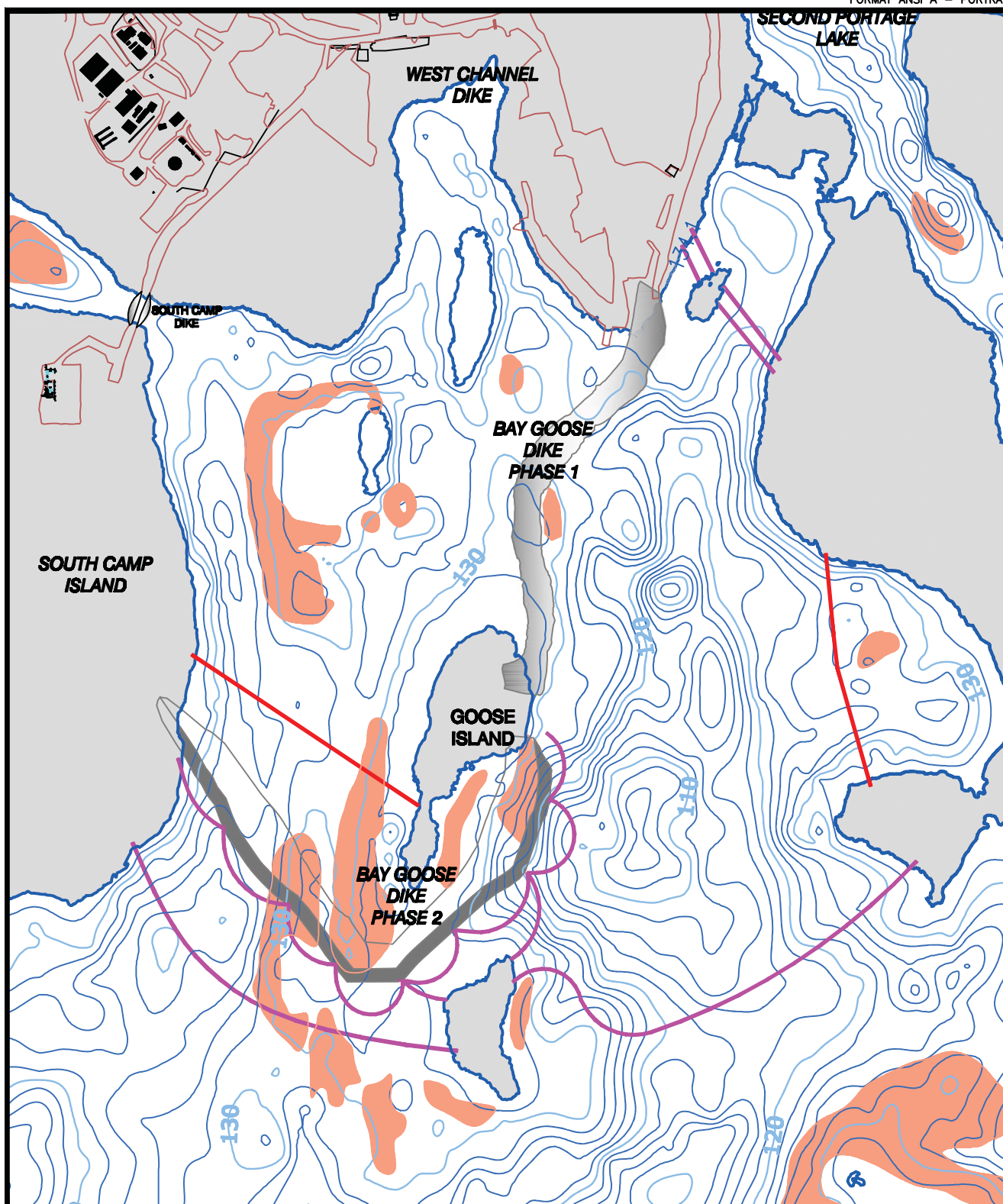
In consultation with the Project Manager and AEM Environment Biologist, crew training, fish-out implementation, and in-field quality control will be the primary responsibility of the Project Biologist(s). Data analysis, liaison with the DFO Project Authority (i.e., Habitat Biologist, DFO Iqaluit), and reporting will be primarily the responsibility of the Project Biologist and AEM Environment Biologist as needed.

Several field technicians will be employed for water quality sampling, fish-out activities, and boat operations. These field technicians will be Inuit hired from Baker Lake and the surrounding communities; every effort will be made to hire the same technicians as those in 2008. Training of technicians will occur during field activities to ensure that future work can occur increasingly under the direction of local people.

SECTION 5 • ISOLATION OF IMPOUNDMENT AREAS AND TSS MITIGATION MEASURES

In 2008, turbidity curtains and a fish cut off net were deployed in the northwest arm of Second Portage Lake, immediately northwest of the impoundment side of the East dike. Installation of the fish cut off net allowed the fish out to start approximately 3 weeks sooner than had the program waited until the construction of the dike walls was complete. The silt curtains were deployed to deter fish from the construction area and to minimize the release of sediment from the area. These curtains were installed approximately 1 m from the bottom of the lake and were not successful at containing sediment; this has led to extensive changes in sediment control, all of which are being implemented in 2010, as discussed below.

In 2010, during the ice-cover period, a causeway will be built to provide wind and water current protection during the construction of the Bay-Goose dike (phase 2). This causeway will be constructed during the winter and once completed, will prevent any fish movement between the lake and the impoundment area. In addition, turbidity curtains will be deployed to protect the fish in the impoundment area from elevated concentrations of TSS prior to them being fished out. The curtains will be installed in the Bay Goose impoundment area on the north side (i.e., lake side) of the dike wall. Figure 5 illustrates the location of the turbidity curtains in the impoundment area in relation to the dike wall. Based on lessons learned during the construction of the East dike (2008) and phase 1 of the Bay Goose dike (2009), these turbidity curtains will be installed to the lake bottom. No fish cut off net is required to isolate the fish in the Bay Goose impoundment area because the dike causeway will function as a barrier to fish movements.



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●		CURTAIN	
●		HIGH VALUE HABITAT	
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FIGURE 5			
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SECTION 6 • LIMNOLOGY

The limnological program for the fish out of the Bay Goose impoundment area will be conducted similarly to the data collection completed for the 2008 northwest arm of Second Portage Lake.

In 2007 and 2008, prior to disturbance caused by dike construction or mine activity, data was collected for limnology, water chemistry, and benthos within Third Portage Lake East basin during open-water Core Receiving Environment Management Program (CREMP) sampling. Zooplankton was also collected in 2008 in Third Portage Lake East basin as an external reference for evaluating Second Portage Lake East Dike construction activity. These data provide a complete account of background limnology and aquatic assemblages in the Third Portage East basin prior to Bay-goose dike construction.

Limnological data and water chemistry data will be collected once per month during July, August and September 2010, in two distinct areas of the impoundment area and will be completed by the AEMP monitoring team with support from the AEM Environmental biologist that will be on-site at those times. In August, benthic and zooplankton samples will be collected

The water quality and limnological data to be collected include:

Water quality parameters measured in the field

- Dissolved oxygen and temperature profiles at 1 m intervals in each basin during each sampling period.
- Secchi disk depth at each basin during each sampling period.

Water quality parameters to be sent for analysis

- total phosphorus
- total nitrogen
- total dissolved solids (TDS)
- dissolved nutrients (ammonia, nitrate, nitrite, ortho-phosphate, silica)
- total dissolved nitrogen
- dissolved calcium and magnesium
- total and dissolved organic carbon (TOC, DOC)
- chlorophyll a

These parameters will be collected at both 1 m depth and mid-water column. Water samples will be collected using a diaphragm pump with Teflon-lined tubing. Jars types and preservation will be as follows:

- 1 x 1-L plastic bottle for total phosphorus, total nitrogen, TDS, dissolved nutrients, and total dissolved nitrogen (keep cold; no preservative)
- 1 x 250-ml amber glass bottle for TOC (keep cold; preserved with hydrochloric acid)

- 1 x 250-ml amber glass bottle for DOC, unpreserved (keep cold; samples will be filtered and preserved at the lab)
- 1 x 250 mL plastic bottle for dissolved calcium and magnesium, field filtered and preserved with nitric acid
- 1-L plastic bottle filtered in the field with few drops of magnesium carbonate on the filter (prior to filtration); filter to be wrapped in aluminum foil and frozen

Samples will be collected from two locations in the impoundment area, at two depths, for three sampling events. Therefore, a total of 12 samples will be collected for each of the parameters. Trip blanks and field duplicates will be included as field QA/QC samples (one each per event) to augment the laboratory QA/QC duplicates. ALS laboratory services will be used for water quality analysis.

Zooplankton

Four vertical tows for zooplankton will be taken during the August sampling period in the two sampling locations. The four samples will be independent field replicate samples (not composited) in order to give an understanding of variability (i.e., a total of 8 zooplankton samples will be collected – 4 replicates x 2 locations). Samples will be collected using a 70 µm net with a 30 cm diameter mouth and 220 cm in length. All samples will be uniquely labelled, and placed in a 10% buffered formalin solution in plastic jars. Labelling will include water proof paper labels (marked with pencil) placed inside the jars as well as permanent marker labelling on the outside of the jars. All jars will be screwed tight and taped to prevent leakage. Samples will be submitted to North/South for analysis of dry biomass (mg/m³) using the same methods employed in 2008. Additionally, 1 sample (a composite of 2 vertical tows) per station will be collected for taxonomic composition

Benthos

According to the DFO protocol, benthic sampling is to be stratified according to depth interval (i.e., 5 – 10 m; 15 – 20 m; etc.). However, the deepest depth in the Bay-Goose impoundment area is 10 m, so sampling will be limited only to the 5 – 10 m depth interval. Thus, six grab samples will be collected from the 5 – 10 m depth zones in each of the two sampling locations in the impoundment area (i.e. in the two distinct basins inside Bay-Goose), in August only, for a total of 12 samples. One sample will be analyzed for taxonomic identification with the remainder analyzed for benthic community biomass. Each grab sample will be washed through a 500-micron sieve and then placed in a 10% buffered formalin solution in plastic jars. Labeling will include water proof paper labels placed inside the jars as well as permanent marker labelling on the outside of the jars. All jars will be screwed tight and taped to prevent leakage. The sample for taxonomy will be sent to Zaranko Environmental Assessment Services and the samples for biomass will be sent to North/South.

The DFO Protocol calls for use of an Ekman grab. In AEM's experience, an Ekman grab is too light to work effectively in the often windy conditions prevailing in the project lake area. Consequently, we propose to use a Petite-Ponar grab, which covers the same surface area (6" x 6") as an Ekman grab, but is heavier and therefore easier to control at depth prior to deployment in the sediments. While the volume of a Petite Ponar is less than the Ekman (i.e., 2.4 L compared to 3.5 L, respectively), the latter is unlikely to penetrate deeper into

sediments than the Petite Ponar, thus making this extra volume inconsequential. The Petite-Ponar grab was used successfully in the 2008 fish-out.

SECTION 7 • MARK RECAPTURE

In accordance with the draft DFO fish-out protocol, a mark recapture study was completed in 2008 during the fish out of the northwest arm of Second Portage Lake. The purpose of the study is to estimate the total fish population for the impoundment area.

This phase of the fish out program began on August 3, 2008, once the cut-off net was in place and all necessary permits were acquired. Initially, two types of fish capture methods for this phase were used:

- Trap nets - two trap nets were set perpendicular to shore targeting fairly shallow areas where smaller fish would be expected.
- Gill nets – only 38-mm index gill nets were used for this phase. Each boat crew were able to fish with 4 to 8 net panels, set only for a short time (1 to 4 hours).

All nets and traps were moved regularly (every day or two) to cover all available habitats, with an emphasis towards shallow water habitats. Partial fin clips and/or floy tags were used to mark lake trout (the most abundant species) and Arctic char. Biological assessments in this phase were limited to fish mortalities. Species; weight; fork length (total length for burbot) were recorded for every fish. Fish were also physically “milked” where possible to identify sexually active males or females. Details of each set were recorded using the field forms.

The mark-recapture phase continued to the maximum duration of 14 days. A 10% recapture rate was achieved by the end of this period using a total of 275 sets of 6 x 45.4 m length gill nets. Following the Chapman adjustment to Schnabel's method, the index of abundance was calculated; 1497 lake trout were estimated and 58 Arctic char. These estimates underestimated the true population size; at the end of the fish out a total of 2018 lake trout and 485 arctic char had been captured. The Catch-Per-Unit-Effort (CPUE) study (described in Section 8) proved to be a more accurate predictor of population size; the CPUE estimated a total of 2690-2710 fish (using the DeLury and Leslie regression models) while the true total number of fish captured at the end of the fish out was 3079.

At the end of the 2008 fish out of the northwest arm of Second Portage Lake, AEM made the following observations/conclusions:

- The mark recapture phase of the fish out program took a total of 17 days to complete (14 days of fishing and 3 days of waiting to begin the CPUE phase). Given the short ice-off period at the site, this took valuable time away from the goal of fishing out the impoundment area.
- The results from the mark recapture study were limited in usefulness. The CPUE phase gave a far more accurate estimation of initial abundance.

- The fish out program concluded on October 16, 2008. Weather conditions at this time (beginning of ice-up) posed a real safety concern for the fish crews.

Consequently, AEM proposes to omit this phase of the fish out program for the Bay Goose impoundment area. This will allow the fish crews to concentrate their efforts on the CPUE phase and final removal phase.

As the CPUE phase of the program has the same purpose as the mark recapture phase, AEM concludes that the intent of the draft DFO fish out protocol is met.

SECTION 8 • CPUE PHASE

The purpose of the Catch Per Unit Effort (CPUE) phase of the fish out program is to estimate the fish population in the impoundment area; this achieves the same goal as that of the mark recapture study. The CPUE phase for the fish out of the Bay Goose impoundment area will be conducted similar to that completed for the northwest arm of Second Portage Lake, with a few modifications proposed below.

This phase of the fish-out program will begin as soon after ice-out as possible, once the dike causeway is completed and/or the silt curtains are in place. Fish will be captured using the same gear that was employed in 2008. Six panel gill nets of stretched mesh sizes 126, 102, 76, 51, 38, and 25 mm will be fished in constant proportions, with an increasing total number of nets/panels deployed as CPUE declines over time. The panels will be 1.8 m deep by 22.7 m. Nets will be moved every day or two to ensure full coverage of the impoundment area; duration of sets may vary as this phase of the program proceeds (i.e., similar to the 2008 program, in the later season when catches are low and water is cold, set durations may be longer).

During the CPUE phase, fish that appear to be healthy and capable of recovery will be transferred to the main body of Third Portage Lake receiving environment. The decision to transfer the fish will be decided in the field by fisheries technicians under the direction of the Project Biologists and AEM Environmental Biologist. Although much effort will be made to salvage and transfer as many fish as possible, the effectiveness of the salvage efforts will be evaluated in consultation with the DFO. While catchability remains highest, it is expected that the greatest number of fish will be salvaged during the first week of CPUE. Healthy (fish with high energy that appear unaffected by capture and handling), large adult lake trout or arctic char (>350mm which are likely spawners) will be prioritized for salvage.

Fish will be transferred in aerated cold water tubs. The water temperature and number of healthy fish transferred will be recorded. Ideally, both length, weight measurements and a physical inspection will be taken for all fish, however to reduce handling time, length may only be taken for fish that will be transferred. All fish transferred into Third Portage will be marked with floy tags. Detailed mortality data will be recorded documenting mortalities due to capture, handling or transfer. Based on other fish transfer programs in the north (i.e.

Diavik and Ekati), it is expected that fish recovery rates will be less than 50% for lake trout and arctic char with very poor recovery rates for whitefish. As many fish as feasible will be transferred from the impoundment to Third Portage Lake in consideration of recovery, the fish transferred should be selected with the goal to increase recruitment and energy to the system without disturbing the fish population dynamics.

All data from sets will be recorded on field forms; similar forms will be used as in the fish out program in 2008 (see Annex A for a description of AEM's modifications to the DFO forms). All captured fish will be identified to species, weighed and measured for fork length (total length in the case of burbot). Fish will also be physically "milked" to identify reproducing males or females. More detailed biological assessment will be conducted for 50 fish, from the dominant species (lake trout, Arctic char and round whitefish), similar to what was conducted in 2008. This assessment will include:

- **Aging structures** (otoliths and/or fins) will be taken (if possible) from 50 Arctic char, 50 round whitefish and 50 lake trout across a range of expected size classes. These same fish will be subject to more invasive measurements/sampling (see below).
- **Stomach contents** will be collected from the same 150 fish and either be analyzed in the field (e.g., whole fish can easily be counted) or preserved if more detailed analysis is needed. In the latter case, samples will be uniquely labelled (and associated with a uniquely identified fish), and placed in a 10% buffered formalin solution in whirl-pac bags. Stomach contents will be processed on site by the Project Biologist or sent to North/South in Winnipeg.
- **Detailed internal and external examinations** will be conducted on each of the 150 fish to determine sex, reproductive status, parasite presence, and overall apparent health (e.g., DELT - deformities, erosions, lesions or tumours).
- **Gonad weights and fecundity** (female only) will also be measured for the same fish. Ovaries will be preserved in buffered formalin (or modified Gilson's solution) and analyzed for fecundity (on site or at North/South in Winnipeg), where a subsample of at least 100 eggs will be weighed to allow the estimation of the total number of eggs.
- **Liver weights and metals** samples will also be taken. Livers will be weighed in their entirety and frozen for shipment to the laboratory for analysis.
- **Tissue metals** samples (including mercury), while not required in the draft DFO Protocol, will be collected from a subset of fish, frozen and shipped to the laboratory for analysis. In 2008 between 15 and 20 liver and muscle samples were analysed from each of lake trout, Arctic char and round whitefish.

Fish guts not retained for analytical sampling will be incinerated on site, as requested by DFO.

As in 2008, CPUE data will be analyzed daily using both the Leslie and DeLury methods. Raw data and graphs will be sent to DFO daily (as available) by email or posted to an AEM ftp site.

The CPUE phase will be ended when: (a) there has been a consistent, statistically significant (e.g., $p < 0.10$) decline over a 10-day or greater period (for at least one of the two CPUE methods; and (b) overnight sets are catching very few fish regardless of the location

of deployment. When both of these criteria are met, in consultation with the DFO, the nets will be removed for 24-48 hours. Following this no-fish period, nets will be re-deployed to confirm that the CPUE phase has met both of these criteria. The decision of determining when the CPUE phase is complete and the final removal will begin will be made in consultation and approval of DFO.

SECTION 9 • FINAL REMOVAL

Final removal will take place immediately after the CPUE phase is completed and with DFO approval. Similar to the 2008 fish out, gill nets will be used as the principal gear to capture the fish. However, the number of gangs will be increased, and we may consider using larger mesh sizes; in addition, some fine mesh “Swedish” gill nets (8mm, 10mm and/or 12.5mm nets) will be incorporated into the program.

The removal objective for the final removal phase will be based primarily on catch data. That is, the removal phase will continue until either:

- no fish are caught for 48 hours, and then after a 24 hour break, no fish are caught for an additional 48 hours; or
- catch has declined to near zero and the total abundance and/or biomass has reached at least 95% of the estimated initial abundance from the CPUE data.

As in 2008, based on the number of fish anticipated in the Bay-Goose impoundment compared to Second Portage Lake Impoundment area, it is anticipated that the final removal will be completed within the open water season of 2010. However, if the fish removal phase is not completed during 2010 to the satisfaction of DFO, potential continuation of final removal in 2011 would be considered. Drawdown in the Bay-Goose impoundment is anticipated to begin in the second quarter of 2011 (~April), therefore the decision to continue the final removal in 2011 open water season will be based on the drawdown timing, safety considerations and ensuring water quality (turbidity/ TSS) and depth for overwintering is adequate to maintain a healthy fish population.

All captured fish during the final removal will continue to be processed for biological information, but details regarding which net or mesh size caught each fish will not be recorded. As in 2008, effort will continue to be recorded approximately so that depletion estimators can be evaluated.

SECTION 10 • HABITAT MAPPING

Habitat mapping of the northwest arm of Second Portage Lake was completed from July to August 2009, after dewatering removed a sufficient volume of water to expose the habitat. Low level photogrammetric aerial photographs were taken of the whole impoundment area;

these photos will be used to confirm earlier estimates of habitat quality and will allow derivation of a relationship between habitat area and fish biomass. The substrate and habitat value of any areas less than 6 m depth were also previously evaluated (as part of the environmental assessment of the mine) by stereoscopic interpretation of pairs of 1:10,000 colour aerial photos, visual observations, and ground-truthed using underwater video cameras.

Habitat mapping of the Bay Goose impoundment area in Third Portage Lake is anticipated to take place in August 2011. Similar to the habitat mapping in 2009, low level photogrammetric aerial photographs will be taken of the whole impoundment area to document the fish habitat. This information will also be compared to habitat mapping information collected in 2005 as part of the habitat assessment and quantification of the mine site during the Environmental Impact Assessment.

SECTION 11 • REPORTING

According to the draft DFO fish out protocol, DFO has developed data input forms to match the data collected during fish-out activities. AEM will use these forms to enter the field data into an MS Access database. If for some reason the database is not made available, we will enter the data into an MS Access data table directly, using the codes provided in the Protocol. Data entry will not be finalized until all results are available (example field sheets are presented in Annex A).

Data analysis and reporting will include an interpretative report as well as raw data tables (in appendices) and summary statistics of data (in tables and/or figures). Specifics will include, but not be limited to, the following:

- Introduction and objectives, including inputs from the community
- Review of methodology, including maps showing where gear was placed
- Analysis of CPUE data according to the Leslie and DeLury methods, including best estimates of population sizes and consideration of uncertainty. Depending on findings, the analysis may also extend to biomass rather than only abundance (i.e., similar to the 2008 analysis)
- Analysis of limnological data
- Comparison of fish and limnological data to baseline data collected for Second Portage Lake, Third Portage Lake and other area lakes
- Copies of field data sheets and photographs (as appendices)
- Copies of lab reports (as appendices)

As habitat mapping will take place in 2011, the year following the fish out, the results of this phase of the fish out program will be reported under separate cover.

ANNEX A – CHANGES TO DFO FIELD DATA COLLECTION FORMS

The draft DFO fish out protocol includes two data forms for recording information on net sets, fish counts and fish samples. Similar to the fish out conducted in the northwest arm of Second Portage Lake, AEM proposes to follow the forms with the following modifications:

- Two forms would be combined into one, to avoid duplication of the information regarding the set. Thus the form would have three sections – one on the set and general information, one on fish count categories, and one on biological data for individual fish.
- The current form has one field for depth. AEM proposes to add more detail by specifying depth at each end of the set.
- For fish count data, we will divide lake trout into three size categories (<35cm; 35-65cm; and >65cm).
- The protocol recommends using the 'comments' box to record wind (direction and speed), cloud cover, air temperature and surface water temperature. AEM proposes to specify individual fields for these parameters to ensure that they are recorded.

In addition, each boat crew will carry a map of the impoundment area (clean copy each day) and indicate the location & direction of each set.

Location / ID:			Number of panels by mesh size (for GNs):		Net Length (m):	
	Start location	End of Net (in NAD 83)	25: 38: 51: 76: 102: 126:		Net Height (m): All are 2m	
Easting:			Set date:		Net depth at each end (m): /	
Northing:			Set time:		Surface temp:	
Recorder:			Lift date:		Wind direction / speed:	
Field Staff:			Lift time:		General comments:	

[illegible]

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APPENDIX 2.

GENERAL FISH-OUT PROTOCOL DFO 2008

GENERAL FISH-OUT PROTOCOL FOR LAKES TO BE LOST DUE TO MINING DEVELOPMENTS

The total removal of fish from lakes (i.e., “fish-out”), with or without ‘dewatering’, is often an unavoidable consequence of mining or other developments. All proponents will be required, as a condition of a ss. 35(2) *Fisheries Act* authorization, to conduct a Fish-out Program (Program) on each lake to be lost prior to commencing with the dewatering or other development that requires total fish removal from the lake.

The fish-out of tundra lakes minimizes the wasting of fish, and provides a unique opportunity to collect exceptionally thorough and scientifically defensible data on fish-environment relationships in the North. This document is intended to provide the general protocol for such studies. It is expected that more specific details beyond those contained within this general protocol will be developed and refined as circumstances dictate.

The Program objectives are presented in Section 1. Section 2 presents the management structure of the program. Section 3 provides an overview of the program components and Section 4 describes methods of data collection. Finally, Section 5 describes the reporting requirements.

1. Program Objectives

The intent of the Program is to remove all fish from a lake and distribute/dispose of them in an appropriate manner, determined in consultation with aboriginal communities, that avoids wasting fish and provides scientifically defensible data.

More specifically, the objectives of the Program are to:

- i) ensure that all fish are removed from a lake and disposed of in an appropriate manner that minimizes the wasting of fish,
- ii) determine fish species composition and the abundance and structure of fish populations in Arctic lakes,
- iii) determine biological, limnological, and habitat characteristics of the lakes that are fished out.

These data will be used to:

- 1. assess preliminary sampling program data on fish population and assemblage structure,
- 2. establish a database of biotic and abiotic characteristics of arctic lakes that will be used to determine linkages between fish populations and assemblages and the biotic and abiotic

characteristics of northern lakes, and thereby provide reference data for Aquatic Effects Monitoring Programs and compensation initiatives.

2. Project Management

The proponent's Project Manager will provide a qualified fish biologist to act as the Project Biologist and is encouraged to use aboriginal expertise.

The Project Biologist will be at site during crew training, participate in the collection of data, ensure the quality of data, provide an electronic database consistent with the master database of arctic lakes held by Fisheries and Oceans Canada (DFO), and produce the project report.

To make communications efficient, DFO will have one contact point for the management of the Fish-out Program. This person will be the Project Authority. The Project Authority will be responsible for providing advice to the Project Manager and Project Biologist as the need arises.

3. Components

The capture and processing of fish, including the recording of field data, collection of biological data, and sample analysis, are the responsibility of the proponent based on the components described herein. Rigorous scientific procedures, the details of which are largely beyond this general protocol, are required to provide usable data from the Program. Detailed protocols for all components and procedures, approved by the Project Authority, will be in place prior to initiating the work. Consistency of methods and complete, accurate recording of data are essential.

The Program is divided into three general components based on level of ecosystem organization. These components are:

- 1) Fish Community
- 2) Physical-chemical and biological Limnology
- 3) Habitat Inventory

The Fish Community component can also be broken down into several phases, as outlined in Table 1. (a) A Mark-recapture Phase, using standardized sampling techniques, provides an estimate of the abundance of the resident populations. (b) A CPUE-Removal Phase, also consisting of standardized fishing, provides a second abundance estimate of the fish populations,

as well as biological data on fish in the lake. (c) The Final (total) Removal Phase will consist of every effort to capture all remaining fish in each lake, providing a total census for each fish population. This phase will often be initiated once a lake has been sufficiently dewatered.

The Limnology component (e.g., morphometry, water quality, and samples of lower trophic levels) will be conducted during the Mark-recapture and CPUE phases. Habitat Inventory data (e.g., mapping of lake bathymetry, aquatic vegetation and substrate) will be collected during CPUE and Final Removal phases. Physical habitat data can also be collected during the Final Removal Phase, once a lake has been sufficiently dewatered to expose the habitat.

Table 1: Schematic timeline of the Fish-out Program components.

Program Components	Study Phases		
	Mark-Recapture	CPUE	Final Removal
Mark-recapture XXXXXXXX			
CPUE		XXXXXXXXXX	
Final Removal			XXXXXXXXXX
Limnology XXXXXXXX	X XXXXXXXX		
Habitat Mapping		XXXXXXXXXX XXXXXXXX	

4. Field Methods

4.1 Fish Community

The goal of the fish community component of the Program is to provide an accurate description of the fish community, and the size and structure of its component populations, in the lakes being studied. This will be accomplished through several complementary phases (Mark-recapture, CPUE, and Final Removal), which are described below. Field gear and deployment methods are also described.

Fishing Gear and General Deployment

Standardized, DFO-approved trap nets and index gill nets will be used to capture fishes during the Mark-recapture and CPUE phases. Additional gear may be added during the Final Removal Phase.

Trap Nets.- DFO has small mesh trap nets that can be used for all phases of the Fish-out Program. The traps are constructed of 6 mm square mesh with a house of 1.23 x 1.23 x 1.23 m. The leads measure 61 m in length and 1.83 m in depth. The trap leads will be anchored to shore and set out perpendicular to the shoreline. Trap nets must be moved regularly (every 2-3 days) around the shoreline to ensure full coverage of the available habitat in the lake.

Gill Nets.- Gill nets of a variety of mesh-sizes will be the primary gear used to capture fish for removal from lakes. Nets should be moved daily such that all available habitat is fished and avoidance behaviour may be minimized. However, since fish abundance and biomass, together with number of species, are generally highest at shallower depths, and because the largest proportion of a lake's volume also occurs in the shallower depth zones, fishing effort should be more intense in (but not exclusive to) shallower depths.

The range of mesh-sizes should be consistent across Fish-out Programs, especially for the Mark-recapture and CPUE phases. For the Mark-recapture Phase, the goal is to release fish back to the lake alive, hence 38mm (1.5") stretched mesh nets should be used in short sets (30 to 60 min) to limit gilling of fish and reduce mortalities. Gill nets used for the purpose of fish removal (CPUE and Final Removal phases) will have stretched mesh-sizes of 102 mm (4"), 76 mm (3"), 51 mm (2"), 38 mm (1½"), 25 mm (1"), and 22 mm (7/8"). During the CPUE Phase, the full range of mesh-sizes must be fished at all times; there should also be a consistent proportion of the different panels used during the CPUE Phase. The total number of panels could be increased for larger lakes and as CPUE decreases. These restrictions are not necessary during the Final Removal Phase. The proponent will ensure that there is a sufficient stock of gill nets of each mesh-size. However, cluttering the lake and having interference affecting catch rates should be avoided in small lakes.

Trap net and gill net site identifications will be drawn on a map of the lake and GPS coordinates (easting/northing) recorded on the field data sheet. Date, time of setting (24 hour clock), and time of retrieval will also be recorded for each trap net and each gill net. Water depths at the start and finish of the trap net leads and gill nets should be recorded, based preferably on field measurements (e.g., fish finder) or from a bathymetric map. Mesh sizes (gill nets) and lengths and heights (trap net leads, gill nets) should also be recorded.

Other gear.- During the Final Removal Phase, additional gear may be used (with approval of the Project Authority), to maximize the likelihood that all fish will be removed. Gill netting could, for example, focus on mesh sizes that best catch the dominant species and sizes. Active fishing methods, such as electrofishing and seining, can be effective at capturing benthic and/or less-active species. Minnow traps can be effective at capturing small-bodied fish, particularly in habitats where it is difficult to use other gear. Baited set lines or baited traps may be effective for catching burbot.

Population Estimates

The Program will provide two different estimates of fish populations, during the Mark-recapture and CPUE phases, respectively. The accuracy of these estimates will be determined from the complete censuses during the CPUE and Final Removal phases. In turn, the marked fish recaptured and removed during the latter two phases will help determining the completeness of the Fish-out Program. Procedures and calculations will follow Ricker (1975).

Mark-recapture Phase

The Mark-recapture Phase of the Program requires that a period of catch, mark, release, and recapture fishing occur prior to the Removal and Fish-out phases (Table 1). As such, mark and recapture procedures occur simultaneously over multiple days. A commonly used method to analyze such data is the Schnabel Method. Note that this method of estimating population size does not require that each individual have a unique mark.

The Mark-recapture phase should commence soon after ice out, before water temperatures above 10°C increase mortality risk. Detailed set data will be recorded for each net and trap and full biological data (see below) will be collected from fish mortalities. Due to low survival rates of whitefishes during netting and marking procedures, the Mark-recapture Phase on a particular lake may be skipped or terminated if previous or current sampling on a lake indicates an abundance of whitefishes and if the fish are not going to be sacrificed.

As described above, small-mesh trap nets and short sets of 38-mm index gill nets will be used in the Mark-recapture phase. Unbaited minnow traps could be added if there are substantial numbers of small fish present. Nets and traps will be moved regularly so that all available habitat in the lake is surveyed, albeit with the shallow-water bias noted earlier.

Partial fin clips, removing $\frac{1}{3}$ to $\frac{1}{2}$ of a fin, can be used to mark fish. It is important to minimize stress on fish and to return the marked fish to the water as soon as possible. However, live wells/holding tanks should be available during the Mark-recapture phase, as needed, to allow stressed fish some recovery time before being returned to the lake. If anaesthetic is being used, fish must be held until they have recovered from the anaesthesia.

Record the counts of all fish captured during this Phase by species and fate category (see Fish count record form). Based on prior information about the fish populations, separate mark-recapture estimates could be made on different size/age-classes (e.g., juveniles vs. adults) or sexes within (some) species; if so, clip different fins to avoid confusion, and record the

distinction. As the phase progresses, more-and-more of the fish being captured will already have been marked (i.e., will be recaptures). Although marking and recapturing a greater proportion of fish in a population will produce more precise estimates of abundance (see Ricker 1975 or Krebs 1999), it is often not practical to maximize precision for all species in a lake. The detailed protocol for the Fish-out Program should indicate *a priori* the recapture rate (e.g., 10%) that will be used as the target objective for the Mark-recapture Phase and whether the Phase will be terminated when all, half, or some other proportion of species reach that target objective.

Note: if a substantial time gap is anticipated between any of the three phases of the Fish-out Program, then a sizeable number of fish should be given more permanent, uniquely numbered marks (tags) during this Phase, which can subsequently be used to assess the effectiveness of the complete censuses during the CPUE and Final Removal phases.

CPUE Phase

The CPUE Phase should commence 3 to 7 days following completion of the Mark-recapture Phase and continue until the CPUE Phase objective is met (see below). During the CPUE Phase, there will be no physical or chemical alterations to the lakes. The “Fishing Success” (Ricker 1975) or “Removal” (Kelso and Shuter 1989) methods for estimating population sizes will be conducted during this Phase of the Program. CPUE estimators are based on the assumption that fishing effort is significant enough to reduce the population and the resulting reduction in fishing success is proportional to the stock present. During this Phase, gear *types*, including mesh-sizes and lengths of individual nets, should remain constant such that a standard “unit of effort” can be defined. However, additional units of this standard unit may be required as stocks, and hence catch rate, decrease. The following methods will be used to determine population estimates for fishes in lakes (Ricker 1975):

- **Leslie Method** - The Leslie method plots CPUE against cumulative catch. The resulting straight line provides the initial population size and catchability estimates.
- **DeLury Method** – The DeLury Method plots the logarithm of the CPUE against cumulative effort. The fitted straight line provides the initial population size and catchability estimates. The DeLury Method can also be modified to allow multiple gear types (e.g., gill nets and trap nets) or to use mark and recapture data.

During the CPUE phase, net checks could be conducted twice per day, later reduced to once per day should the catch-per-unit-effort decline sufficiently. The minimum CPUE objective is achieved when consistent declines in CPUE have been demonstrated over several days of

increasing cumulative fishing effort. There may be rapid ‘selection’ for net avoidance, however, reducing CPUE disproportionately relative to cumulative effort. Although moving net locations regularly (daily if possible) should help, it may be necessary to insert 1-2 day breaks of no fishing during this Phase. A more rigorous CPUE objective would be achieved when no fish are captured for 24-48 hr of continuous netting, nets are removed for 48 hr, nets are then re-deployed for 24-48 hr of netting and fish are still not captured. At this point, the CPUE Phase should be suspended; if the lake will be dewatered, this would be a time to begin, proceeding to a point where the remaining fish are sufficiently concentrated. The Program may then continue with the Final Removal Phase.

All captured fish should be removed from the lake, and either sacrificed and/or (re)distributed in accordance with any agreements between the proponent and aboriginal communities. Fish from one population should not, however, be stocked into another population. A count of all captured fish, by species (and size-class, if appropriate), must be made and recorded, along with their “fate” or category, e.g., whether the fish had previously been marked or not, and whether it was removed or escaped. The proportion of marked fish (from the Mark-recapture Phase) that was captured and removed during the CPUE Phase can be used as an index of the proportion of all fish in a population captured and removed. Biological data (see “Fish sample record” form) should be taken on every fish, if practical, or on a substantial sub-sample.

Final Removal Phase

To assess the accuracy of the population estimates, as well as to achieve the Program objective of removing all fish from the lake, a total census of the lake’s fish community must be completed. Every effort should be made to capture every fish in the lake. During the CPUE Phase, the goal is to capture and remove as many fish as possible while keeping the gear types constant and effort standardized. During the Final Removal Phase, every effort will be made to capture all remaining fish in the lakes, thus, additional capture methods may be added (see “Other gear”, above) . Proposed methods will be presented to, and reviewed by, the Project Authority.

After lake volume has been sufficiently reduced for lakes being ‘de-watered’ (possibly during the winter), the fish-out will resume. As well, the lake must be reduced to such a level that the habitat is exposed and can be photographed. There will be no physical alterations to the lake basins until the photography is completed. Once the photography is completed and the lake levels are sufficiently lowered, the Final Removal Phase can commence.

The Final Removal Phase will continue until the Removal objective is met. The objective should be presented to, and reviewed by, the Project Authority. Possible benchmarks could include the capture and removal of marked fish (fin-clips and/or numbered tags) that exceed a certain percentage (e.g., >99%) of all fish marked by that method. Another Removal objective could be based on CPUE, e.g., no fishes are captured for 48 hr of continuous sampling (with sufficient effort), sampling is halted for 48 hr, sampling then resumes for 48 hr and fish are still not captured.

Captured and removed fish should be treated as in the CPUE Phase: counted and classified, biological data (and tissues) extracted, fish sacrificed, and/or (re)distributed, in accordance with agreements.

Biological Data Collection

During the Mark-recapture Phase of the Program, fish stress and mortality must be minimized. Fish should only be marked and/or examined for marks, before being released, although full biological data should be taken from any mortalities. For each “species” (which may be only a size/age-class of a species), record only the number and category (“fate”) of all fish captured in each trap or net; see “Fish count record” data form.

During the CPUE and Final Removal Phases, however, biological data and/or samples should be collected for each fish captured. Each fish should be identified to “species”, assigned a unique fish number, weighed (0.1 g), and measured for fork length (mm) or, with species such as burbot, slimy sculpin, and sticklebacks, for total length. Record sex, maturity, and reproductive status and take appropriate aging structures from a sub-sample of the smaller, younger fishes and all of the larger, older fishes.

There may be situations where the large number of fish captured on a given day doesn’t allow for collecting complete biological data on all fish. In this case, efforts should be made to measure all fish of each species, and collect the other biological data on subsets from each size-class. Of course, all captured fish should be tallied and given a sample number, even if only measured.

Stomach (and other organ) Samples

During the CPUE phase, take a sub-sample of 50 stomachs from each “species”, distributed evenly across the size ranges of each. All samples should be labelled with the unique sample

number given to the fish from which it came. Freeze stomach samples immediately or preserve them in 10% buffered formalin. Other organs (e.g., liver, gonads) or tissue samples should be taken from these same fish, weighed to allow determination of gonado- and hepatic-somatic indices, and preserved for analyses of fecundity, or contaminant loads.

Aging Structures

Appropriate aging structures (otoliths, scales, cleithra, opercular bones, and/or finrays) should be removed from a sub-sample of the smaller, younger fishes and all of the larger, older fishes.

4.2 Aquatic Biology/Physical Limnology

One of the principle goals of the Fish-out Program is to identify fish community-environment relationships. Therefore, information about other components of the lake ecosystem must be collected. The following ecosystem components will be characterized:

- Physical Limnology
- Water Quality/Nutrients
- Chlorophyll *a*
- Zooplankton
- Benthos
- Habitat Mapping

Ecosystem sampling will be conducted during the open water season of the Program year. Permanent survey sites will be established at the deepest portions of each basin. Samples from these sites will be considered representative of the basin. Except for benthos, sampling surveys will be carried out at each site during three, equally spaced sampling visits. The benthos survey will be conducted once, during mid-August. The information to be collected is presented in the following sections.

Physical Limnology

Record wind (direction and speed), cloud cover, air temperature, and surface water temperature in the field notebook and data form comments box during *every* visit to the lake.

The following components will be carried out at each site during each of the three ecosystem site visits:

- Dissolved oxygen and temperature profiles (1-2 m intervals).
- Secchi depth.

Water Quality/Nutrients

Samples will be taken at a depth of one metre (1 m) and mid-water column. Samples will be analyzed for:

- Total phosphorus
- Total nitrogen
- Total dissolved solids
- Dissolved nutrients – ammonia, nitrate, nitrite, ortho-phosphate, silica
- Total dissolved nitrogen
- Total dissolved organic carbon

Chlorophyll *a*

Samples for Chlorophyll *a*, as an index of primary productivity, will be taken from each of the water quality/nutrient sampling locations. Samples will be handled and analyzed following standard protocols.

Zooplankton

Zooplankton is the dominant group of primary consumers in the pelagic zone and an important component of the diets of fish inhabiting that zone. Zooplankton sampling will be conducted during the water quality/nutrient sampling periods. Sampling will consist of four hauls, bottom to top per station using a 25-30 cm diameter net at least 7x longer than width with 70 to 100 micron mesh. Samples should be preserved and analyzed for total biomass and/or taxonomic composition using standard procedures.

Benthos

Macroinvertebrates are dominant consumers in the littoral and profundal zones of a lake, and important components of fish diets. Benthos samples will be taken once during mid-August. A total of 20 Ekman dredge hauls will be taken below 5 m in each basin, in areas of softer sediments, distributed amongst the following depth intervals: six between 5-10 m; four between 10-15 m; three between 15-20 m; one between 20-25 m; and one deeper than 25 m. Dredge

samples are initially washed through a 250-500 µm mesh and preserved. One dredge haul from each depth interval will be analyzed for taxonomic composition, whereas the remaining fifteen hauls will be used for biomass determinations.

4.3 Habitat Mapping

The objective of this component is to develop a detailed Geographic Information System (GIS) and habitat database for a range of Northern lakes. This component targets physical habitat and augments the data collected in the other components of the Fish-out Program. Combined, these data will provide a description of the structure and distribution of habitat in lakes, used for determining relationships of fish to habitat, and will be invaluable for use in compensation initiatives. All available habitat will be mapped in detail.

Fieldwork for this project will be conducted using ground level shoreline surveys (prior to any lake 'dewatering') and low level photogrammetric aerial photography of exposed pelagic zones (after the lake has been dewatered). Aquatic vegetation, substrate and bathymetry will be mapped during the CPUE Phase as well as during the ground level survey. A suitable habitat classification system will be applied and augmented with geo-referenced coordinates to allow for detailed habitat mapping. From these surveys, GIS maps of substrates, vegetation, depth, slope, and wave energy will be produced through a joint DFO/Proponent project to characterize the lake habitats.

5. Data Reporting

5.1 Data/Sample Analysis

Field data forms, designed to be consistent with DFO's Fish-out data-base, are provided in the Appendix for gear-set data, fish counts, and fish biological data, along with a page of codes for these forms. Data should be entered from these field sheets directly into the MS-Access data-base forms that have been specifically tailored for the Fish-out Program. The analysis of all samples, from water quality to aging structures, are the responsibility of the Proponent. All sample analyses will be conducted by qualified laboratories/personnel.

5.2 Reporting

The Proponent will provide the data resulting from the Fish-out Program in a Data Report Summary. Attempts will also be made to present and discuss the data in relation to the objectives

of the Fish-out Program. In addition to the biological and survey data, sample analyses of results will be provided. Analyses demonstrating the suitability, precision, and accuracy of the data will also be included in the Data Report Summary. The report will also include Mark-recapture and CPUE population estimates.

In addition to the report, the proponent will supply DFO with:

- Photocopies of all field data/notes
- Copies of photographs
- An electronic database in Microsoft Access of all data collected, including the results of all sample analyses.

The report will also include references and comparisons to any baseline data available for these lakes.

6. Literature Cited

- Kelso, J.R.M. and B.J. Shuter 1989. Validity of the removal method for fish population estimation in a small lake. *North American Journal of Fisheries Management* 9:471-476.
- Krebs, C.J. 1999. *Ecological Methodology*, 2nd edition. Benjamin/Cummings, Menlo Park, CA.
- Ricker, W.E. 1975. *Computation and Interpretation of Biological Statistics of Fish Populations*. Bulletin of the Fisheries Research Board of Canada 191.

7. Appendix: Sample Data Forms

Codes

Assess Code	Assessment Type
FO-MR	Fish-out: Mark-Recapture phase
FO-CPUE	Fish-out: CPUE/Removal phase
FO-FREM	Fish-out: Final Removal phase
B-line	Base line sampling
AEMP	Aquatic Effects Monitoring Program

Gear Code	Gear Type
AN	Angling
BS	Beach seine
DN	Dipnet
EF	Electrofisher
GN	Gill net
MN	Minnow trap
TN	Trap net
OT	Other

Length Code	Length
F	Fork
T	Total

Sex Code	Sex
F	Female
M	Male
U	Unknown

Maturity Code	Maturity
IM	Immature
MA	Mature
SD	Seasonal development
UN	Unknown

Reprod Code	Reprod Status
GR	Green
RI	Ripe
RU	Running
SP	Spent
UD	Undeveloped
UN	Unknown

AgeStruct Code	Aging Structure
FR	Finray
OT	Otolith
SC	Scale
NO	None
CL	Cleithrum
OP	Operculum bone

Fate Code	Fate
NR	New, released marked
NM	New, mortality
RR	Recapture, released
RM	Recapture, mortality
E	Escaped unmarked

Tissue Code	Tissue Sample
ST	Stomach
MU	Muscle
LV	Liver
EG	Eggs
GO	Gonad
NO	None

Fin Code	Fin Clip
AD	Adipose
LPc	Left Pectoral
RPc	Right Pectoral
LPv	Left Pelvic
RPv	Right Pelvic
DO	Dorsal
AN	Anal
UC	Upper Caudal
LC	Lower Caudal

Gear set data and fish sample record

Page__ of__

Lake:	Set date:	Net Length (m):	Recorder:
Assessment type:	Set time:	Net Height (m):	Comments:
Gear type:	Lift date:	Net depth (m): /	
Site ID:	Lift time:	Surface temp:	
Easting:		Mesh size(s):	
Northing:	NAD: 83 27		

[illegible]

*Total length (T) for burbot, sculpin, Stickleback sp.; Fork length (F) for all others.

Gear set data and fish sample record

Page ___ of ___

Lake:				Set date:			Net Length (m):				Recorder:			
Assessment type:				Set time:			Net Height (m):				Comments:			
Gear type:				Lift date:			Net depth (m): /							
Site ID:				Lift time:			Surface temp:							
Easting:							Mesh size(s):							
Northing:				NAD: 83 27										
Species Code	Sample No.	Mesh Size (cm)	Length (mm)* F or T	Weight (g)	Sex	Maturity Code	Reprod Status Code	Aging Struct Code	Fin Clip	Fate Code	Tissue Sample Code	Liver Weight (g)	Gonad Weight (g)	Comments

				Set date:			Net Length (m):				Recorder:			
Assessment type:				Set time:			Net Height (m):				Comments:			
Gear type:				Lift date:			Net depth (m): /							
Site ID:				Lift time:			Mesh size(s):							
Easting:				Northing:			NAD: 83 27							

				Set date:			Net Length (m):				Recorder:			
Assessment type:				Set time:			Net Height (m):				Comments:			
Gear type:				Lift date:			Net depth (m): /							
Site ID:				Lift time:			Mesh size(s):							
Easting:				Northing:			NAD: 83 27							

*Total length (T) for burbot, sculpin, Stickleback sp.; Fork length (F) for all others.

Gear set data and fish count record

Page ___ of ___

Lake:	Set date:	Net Length (m):	Recorder:
Assessment type:	Set time:	Net Height (m):	Comments:
Gear type:	Lift date:	Net depth (m): /	
Site ID:	Lift time:	Surface temp:	
Easting:		Mesh size(s):	
Northing:	NAD: 83 27		

Species Code	Number Captured							Comments
	Fin clip	New, released marked	New, mortality	Recapture, released	Recapture, mortality	Escaped, unmarked	Total	

 Biological data for some/all fish have been recorded on Fish Sample Record. Yes 97 No ___

Gear set data and fish count record

Page ___ of ___

Lake:	Set date:	Net Length (m):	Recorder:
Assessment type:	Set time:	Net Height (m):	Comments:
Gear type:	Lift date:	Net depth (m): /	
Site ID:	Lift time:	Surface temp:	
Easting:		Mesh size(s):	
Northing:	NAD: 83 27		

Species Code	Number Captured							Comments
	Fin clip	New, released marked	New, mortality	Recapture, released	Recapture, mortality	Escaped, unmarked	Total	

Biological data for some/all fish have been recorded on Fish Sample Record. Yes___ No___

	Set date:	Net Length (m):	Recorder:
Assessment type:	Set time:	Net Height (m):	Comments:
Gear type:	Lift date:	Net depth (m): /	
Site ID:	Lift time:	Mesh size(s):	
Easting:	Northing:	NAD: 83 27	

Species Code	Number Captured							Comments
	Fin clip	New, released marked	New, mortality	Recapture, released	Recapture, mortality	Escaped, unmarked	Total	

 Biological data for some/all fish have been recorded on Fish Sample Record. Yes⁹⁸___ No___

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APPENDIX 3.

FISH-STOMACH CONTENTS

Appendix 3.1. Stomach contents (not including fish remains) of DBA Arctic Char, Bay- Goose Impoundment 2010. Expressed as % of organic content.....	101
Appendix 3.2. Stomach contents (not including fish remains) of DBA Lake Trout, Bay- Goose Impoundment 2010. Expressed as % of organic content	106
Appendix 3.3. Stomach contents (not including fish remains) of DBA Round Whitefish, Bay-Goose Impoundment 2010. Expressed as % of organic content	111

Appendix 3.1. Stomach contents (not including fish remains) of DBA¹ Arctic Char, Bay-Goose Basin, 2010. Expressed as % of organic content.

Fish Stomach Sample ID ²		203c_2	201d_1	134a_2	136a_4	212c_2	212c_1	205e_2	207b_6	211d_2	209a_2
Collection Date		13-Sep-10	13-Sep-10	31-Aug-10	11-Sep-10	7-Sep-10	18-Sep-10	15-Sep-10	13-Sep-10	17-Sep-10	13-Sep-10
Fork Length (mm)		105	118	120	120	121	122	122	123	125	126
Wet Weight of Sample (g)		0.424	0.055	0.247	0.028	-	0.116	0.032	0.096	0.313	0.068
Dry Weight of Sample (g)		0.035	0.004	0.032	0.002	-	0.009	0.004	0.017	0.034	0.004
INVERTEBRATES		life stage									
Crustacea											
Cladocera	n/a	0	0	0	0	0	0	0	50	0	0
Copepoda	n/a	98	0	90	100	0	99	43	0	45	94
Ostracoda	n/a	0	0	0	0	0	0	35	25	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	20	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	0	0	0	0	0	0	0	0	0	1
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	0	0	0	0	0	0	3	45	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Diptera											
Chironomidae	larva	0	0	0	0	0	1	2	0	0	1
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Coleoptera											
Dytiscidae	larva	2	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		0	80	10	0	0	0	20	22	10	4
TOTAL Content (%)		100	100	100	100	Empty	100	100	100	100	100

Notes:

1 - DBA = detailed biological assessment

2 - Results are sorted by the fork length (mm) of the fish from which the stomach came

Fish Stomach Sample ID²		212c_2	200g_2	200d_3	046b_3	171a_1	044b_2	052a_17	190c_7	193c_5	193c_4
Collection Date		18-Sep-10	16-Sep-10	13-Sep-10	17-Aug-10	4-Sep-10	16-Aug-10	19-Aug-10	7-Sep-10	7-Sep-10	7-Sep-10
Fork Length (mm)		126	124	125	127	130	131	135	135	135	136
Wet Weight of Sample (g)		0.109	0.064	0.036	0.153	-	0.059	0.538	0.104	0.135	0.093
Dry Weight of Sample (g)		0.014	0.006	0.001	0.012	-	0.008	0.051	0.004	0.007	0.007
INVERTEBRATES		life stage									
Crustacea											
Cladocera	n/a	0	0	0	1	0	0	2	0	0	0
Copepoda	n/a	100	0	0	60	0	16	95	25	0	80
Ostracoda	n/a	0	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	2	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	0	0	0	0	0	0	0	75	0	0
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	50	10	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Diptera											
Chironomidae	larva	0	0	0	1	0	18	1	0	1	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Coleoptera											
Dytiscidae	larva	0	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		0	50	90	38	0	66	0	0	99	20
TOTAL Content (%)		100	100	100	100	Empty	100	100	100	100	100

Fish Stomach Sample ID²		046b_4	020a_1	216b_1	212a_4	146a_6	048a_15	205a_6	194f_12	048a_16	048a_14
Collection Date		17-Aug-10	11-Aug-10	19-Sep-10	16-Sep-10	31-Aug-10	19-Aug-10	11-Sep-10	13-Sep-10	19-Aug-10	19-Aug-10
Fork Length (mm)		137	147	148	153	168	177	183	184	185	188
Wet Weight of Sample (g)		0.266	0.17	0.311	0.311	1.368	0.891	0.241	0.188	0.006	0.012
Dry Weight of Sample (g)		0.037	0.015	0.035	0.03	0.09	0.098	0.019	0.018	0	0.001
INVERTEBRATES		life stage									
Crustacea											
Cladocera	n/a	0	0	0	0	0	0	0	0	0	40
Copepoda	n/a	90	95	95	97	99	100	80	100	0	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	0	0	0	3	0	0	0	0	0	0
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	0	4	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Diptera											
Chironomidae	larva	0	1	1	0	1	0	0	0	0	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Coleoptera											
Dytiscidae	larva	0	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		10	4	0	0	0	0	20	0	100	60
TOTAL Content (%)		100	100	100	100	100	100	100	100	100	100

Fish Stomach Sample ID ²		046b_5	018b_3	010b_3	048a_13	212e_1	185b_3	164e_2	048a_19	036c_2	032b_1
Collection Date		17-Aug-10	11-Aug-10	08-Aug-10	19-Aug-10	20-Sep-10	17-Sep-10	6-Sep-10	19-Aug-10	15-Aug-10	13-Aug-10
Fork Length (mm)		193	197	200	200	204	205	207	220	229	239
Wet Weight of Sample (g)		0.893	0.91	0.228	0.2	0.302	0.054	0.367	0.555	3.01	0.158
Dry Weight of Sample (g)		0.113	0.094	0.032	0.028	0.037	0.007	0.034	0.051	0.274	0.014
INVERTEBRATES		life stage									
Crustacea											
Cladocera	n/a	0	0	0	0	0	0	0	0	0	0
Copepoda	n/a	100	100	30	70	44	0	25	100	90	20
Ostracoda	n/a	0	0	0	0	1	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	0	0	0	0	0	0	0	0	0	0
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	0	2	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Diptera											
Chironomidae	larva	0	0	0	0	0	38	25	0	0	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Coleoptera											
Dytiscidae	larva	0	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		0	0	68	30	55	62	50	0	10	80
TOTAL Content (%)		100	100	100	100	100	100	100	100	100	100

Fish Stomach Sample ID²		048a_28	034a_4	048a_9	192c_9	012b_2	007a_2	192a_1	048a_29	192c_8	005a_6
Collection Date		19-Aug-10	13-Aug-10	19-Aug-10	07-Sep-10	09-Aug-10	08-Aug-10	5-Sep-10	19-Aug-10	07-Sep-10	07-Aug-10
Fork Length (mm)		248	260	268	270	279	282	310	332	348	554
Wet Weight of Sample (g)		0.025	1.127	0.267	0.351	0.179	0.324	0.606	0.2	2.736	1.817
Dry Weight of Sample (g)		0.011	0.112	0.026	0.036	0.023	0.046	0.05	0.024	0.177	0.141
INVERTEBRATES		life stage									
Crustacea											
Cladocera	n/a	0	0	0	14	0	0	0	0	0	0
Copepoda	n/a	0	95	90	76	10	20	84	0	80	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	0	0	0	0	0	0	0	0	0	0
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Diptera											
Chironomidae	larva	0	2	0	0	0	13	3	0	2	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Coleoptera											
Dytiscidae	larva	0	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	3	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		100	3	10	10	90	67	13	100	15	100
TOTAL Content (%)		100	100	100	100	100	100	100	100	100	100

Appendix 3.2. Stomach contents (not including fish remains) of DBA¹ Lake Trout, Bay-Goose Basin, 2010. Expressed as % of organic content.

Fish Stomach Sample ID²		065c_1	207b_4	209a_4	205c_3	205e_1	046b_2	029c_2	033b_1	052a_15	045b_1
Collection Date		23-Aug-19	13-Sep-10	13-Sep-10	13-Sep-10	15-Sep-10	17-Aug-10	13-Aug-10	13-Aug-10	19-Aug-10	17-Aug-10
Fork Length (mm)		102	125	127	129	132	136	141	142	151	152
Wet Weight of Sample (g)		-	0.012	0.128	0.035	0.027	0.313	0.427	0.376	0.489	0.021
Dry Weight of Sample (g)		-	0.002	0.012	0.003	0.003	0.024	0.053	0.049	0.039	0.002
INVERTEBRATES		life stage									
Crustacea											
Cladocera	n/a	0	0	0	0	0	0	0	0	0	0
Copepoda	n/a	0	0	0	10	63	55	0	65	100	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	5	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	0	0	0	30	0	0	0	0	0	0
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Diptera											
Chironomidae	larva	0	50	0	0	0	5	90	0	0	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Coleoptera											
Dytiscidae	larva	0	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		0	50	95	60	37	40	10	35	0	100
TOTAL Content (%)		Empty	100	100	100	100	100	100	100	100	100

Notes:

1 - DBA = detailed biological assessment

2 - Results are sorted by the fork length (mm) of the fish from which the stomach came

Fish Stomach Sample ID²		033a_1	046b_1	048a_4	029b_3	046b_6	009a_4	030a_4	203c_3	034a_6	021c_4
Collection Date		13-Aug-10	17-Aug-10	19-Aug-10	13-Aug-10	17-Aug-10	8-Aug-10	13-Aug-10	13-Sep-10	13-Aug-10	11-Aug-10
Fork Length (mm)		154	156	186	196	205	210	212	215	218	234
Wet Weight of Sample (g)		-	0.043	0.511	0.301	0.317	0.357	0.771	0.284	0.233	0.668
Dry Weight of Sample (g)		-	0.005	0.046	0.047	0.035	0.032	0.047	0.028	0.027	0.058
INVERTEBRATES											
	life stage										
Crustacea											
Cladocera	n/a	0	0	0	0	0	0	0	0	0	0
Copepoda	n/a	0	0	100	0	45	0	0	0	0	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	0	0	0	0	0	0	0	0	0	0
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	40	0	0
Diptera											
Chironomidae	larva	0	0	0	60	5	0	0	0	5	2
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	70	0	0	0	0
Coleoptera											
Dytiscidae	larva	0	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		0	100	0	40	50	30	100	60	95	98
TOTAL Content (%)	Empty	100	100	100	100	100	100	100	100	100	100

Fish Stomach Sample ID ²	012b_3	009b_8	011a_1	192a_2	015c_1	020a_3	019c_1	162a_1	051a_15	048a_30
Collection Date	9-Aug-10	8-Aug-10	9-Aug-10	3-Sep-10	10-Aug-10	11-Aug-10	11-Aug-10	3-Sep-10	19-Aug-10	19-Aug-10
Fork Length (mm)	235	260	262	280	280	290	298	300	303	311
Wet Weight of Sample (g)	0.438	0.838	0.178	0.156	0.942	0.349	-	0.244	-	0.299
Dry Weight of Sample (g)	0.036	0.05	0.032	0.022	0.052	0.038	-	0.019	-	0.026
INVERTEBRATES										
life stage										
Crustacea										
Cladocera	n/a	0	0	0	0	0	0	0	0	0
Copepoda	n/a	0	0	0	0	0	0	0	0	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0
Annelida										
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0
Mollusca										
Bivalvia										
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0
Aquatic Insecta										
Trichoptera										
Limnephilidae	larva	0	0	0	0	0	0	0	0	0
Limnephilidae	adult	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Diptera										
Chironomidae	larva	0	2	2	0	0	0	0	0	3
Chironomidae	pupa	5	0	0	0	1	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Coleoptera										
Dytiscidae	larva	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0
Ephemeroptera										
Ephemeridae	larva	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL										
	95	98	98	100	99	100	0	100	0	97
TOTAL Content (%)	100	100	100	100	100	100	Empty	100	0	100

Fish Stomach Sample ID ²	055a_3	015a_3	048a_27	190d_2	045c_2	052a_24	143a_6	009b_9	049a_15	078a_2
Collection Date	20-Aug-10	10-Aug-10	19-Aug-10	8-Sep-10	19-Aug-10	19-Aug-10	1-Sep-10	8-Aug-10	19-Aug-10	25-Aug-10
Fork Length (mm)	321	326	329	336	352	393	410	420	421	427
Wet Weight of Sample (g)	-	0.036	0.064	0.063	0.385	0.501	16.509	-	0.569	0.198
Dry Weight of Sample (g)	-	0.004	0.003	0.01	0.028	0.052	1.873	-	0.049	0.013
INVERTEBRATES										
life stage										
Crustacea										
Cladocera	n/a	0	0	0	0	0	0	0	0	0
Copepoda	n/a	0	0	0	0	0	0	0	49	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0
Annelida										
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0
Mollusca										
Bivalvia										
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0
Aquatic Insecta										
Trichoptera										
Limnephilidae	larva	0	0	0	0	0	0	0	0	0
Limnephilidae	adult	0	0	0	0	0	100	0	0	0
Unidentified	larva	0	0	0	100	5	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Diptera										
Chironomidae	larva	0	0	0	0	37	0	0	0	0
Chironomidae	pupa	0	5	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Coleoptera										
Dytiscidae	larva	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0
Ephemeroptera										
Ephemeridae	larva	0	5	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL										
	0	90	100	0	58	100	0	0	51	100
TOTAL Content (%)	0	100	100	100	100	100	100	Empty	100	100

Fish Stomach Sample ID ²	056a_4	013c_7	052a_23	046c_7	084a_1	066c_3	049_30	055a_9	143a_5	095a_18
Collection Date	20-Aug-10	9-Aug-10	19-Aug-10	19-Aug-10	25-Aug-10	22-Aug-10	19-Aug-10	20-Aug-10	1-Sep-10	27-Aug-10
Fork Length (mm)	444	462	468	474	497	515	529	536	550	552
Wet Weight of Sample (g)	-	4.14	-	-	0.081	-	5.612	0.586	118.493	-
Dry Weight of Sample (g)	-	0.275	-	-	0.008	-	0.207	0.154	16.708	-
INVERTEBRATES										
life stage										
Crustacea										
Cladocera	n/a	0	0	0	0	0	0	0	0	0
Copepoda	n/a	0	0	0	0	0	0	0	0	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0
Annelida										
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0
Mollusca										
Bivalvia										
Pisidiidae	n/a	0	0	0	0	40	0	0	0	0
Aquatic Insecta										
Trichoptera										
Limnephilidae	larva	0	0	0	0	0	0	0	0	0
Limnephilidae	adult	0	0	0	0	0	0	0	100	0
Unidentified	larva	0	0	0	0	0	0	74	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Diptera										
Chironomidae	larva	0	0	0	0	0	0	1	0	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Coleoptera										
Dytiscidae	larva	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0
Ephemeroptera										
Ephemeridae	larva	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL										
	0	100	0	0	60	0	100	25	0	0
TOTAL Content (%)	0	100	Empty	0	100	0	100	100	100	Empty

Appendix 3.3. Stomach contents (not including fish remains) of DBA¹ Round Whitefish, Bay-Goose Basin, 2010. Expressed as % of organic content.

Fish Stomach Sample ID ²		009a_1	052a_12	051a_3	013b_1	180b_2	051a_4	201c_3	009b_3	059a_5
Collection Date		08-Aug-10	19-Aug-10	19-Aug-10	9-Aug-10	10-Sep-10	19-Aug-10	12-Sep-10	08-Aug-10	20-Aug-10
Fork Length (mm)		125	131	136	140	163	164	170	175	175
Wet Weight of Sample (g)		0.207	0.014	0.067	0.894	0.792	-	0.982	0.455	0.941
Dry Weight of Sample (g)		0.025	0	0.005	0.074	0.135	-	0.185	0.077	0.126
INVERTEBRATES		life stage								
Crustacea										
Cladocera	n/a	0	0	0	100	0	0	0	0	0
Copepoda	n/a	0	0	0	0	0	0	0	0	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	95	0	0	0	0	0	0	0	0
Annelida										
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0
Mollusca										
Bivalvia										
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0
Aquatic Insecta										
Trichoptera										
Limnephilidae	larva	0	0	50	0	96	0	100	95	90
Limnephilidae	adult	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Diptera										
Chironomidae	larva	5	0	50	0	0	0	0	0	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Coleoptera										
Dytiscidae	larva	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0
Ephemeroptera										
Ephemeridae	larva	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL										
		0	100	0	0	4	0	0	5	10
TOTAL Content (%)		100	100	100	100	100	Empty	100	100	100

Notes:

1 - DBA = detailed biological assessment

2 - Results are sorted by the fork length (mm) of the fish from which the stomach came

Fish Stomach Sample ID ²		050a_6	045c_7	201b_1	056a_17	049a_26	052a_6	049a_24	048a_8	046b_7	050a_9
Collection Date		19-Aug-10	19-Aug-10	11-Sep-10	20-Aug-10	19-Aug-10	19-Aug-10	19-Aug-10	19-Aug-10	17-Aug-10	19-Aug-10
Fork Length (mm)		177	185	196	215	222	222	225	229	231	232
Wet Weight of Sample (g)		0.841	0.361	0.873	0.177	0.11	0.236	0.198	0.448	0.431	1.68
Dry Weight of Sample (g)		0.159	0.125	0.175	0.03	0.025	0.07	0.025	0.112	0.063	0.272
INVERTEBRATES	life stage										
Crustacea											
Cladocera	n/a	0	0	0	0	0	0	0	0	0	0
Copepoda	n/a	0	0	0	0	0	0	0	0	1	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	100	0	95	20	10	87	0	0	0	95
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	60	0	0	0	0	20	99	95	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Diptera											
Chironomidae	larva	0	0	5	6	0	0	0	1	0	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Coleoptera											
Dytiscidae	larva	0	0	0	4	0	0	0	0	4	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		0	40	0	70	90	13	80	0	0	5
TOTAL Content (%)		100	100	100	100	100	100	100	100	100	100

Fish Stomach Sample ID ²		049a_29	012b_1	051a_16	045c_6	021b_1	045b_2	200d_1	180d_4	194d_1	193c_1
Collection Date		19-Aug-10	09-Aug-10	19-Aug-10	19-Aug-10	11-Aug-10	17-Aug-10	13-Sep-10	11-Sep-10	10-Sep-10	7-Sep-10
Fork Length (mm)		233	237	290	295	300	303	307	315	320	325
Wet Weight of Sample (g)		0.167	1.087	0.756	0.52	1.463	0.139	1.78	2.48	0.695	1.5
Dry Weight of Sample (g)		0.022	0.267	0.371	0.089	0.274	0.018	0.303	0.879	0.134	0.182
INVERTEBRATES		life stage									
Crustacea											
Cladocera	n/a	0	1	0	0	0	0	0	0	0	0
Copepoda	n/a	0	0	0	0	0	0	0	0	0	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	1	10	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	0	98	0	89	0	0	80	92	100	91
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	20	0	90	0	99	40	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Diptera											
Chironomidae	larva	40	1	0	0	0	20	8	0	0	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Coleoptera											
Dytiscidae	larva	0	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		40	0	10	11	0	30	12	8	0	9
TOTAL Content (%)		100	100	100	100	100	100	100	100	100	100

Fish Stomach Sample ID ²		019c_4	161b_2	165b_1	011a_3	009a_5	209c_1	011b_1	014a_2	048a_6	046b_8
Collection Date		11-Aug-10	4-Sep-10	05-Sep-10	18-Sep-10	08-Aug-10	15-Sep-10	09-Aug-10	10-Aug-10	19-Aug-10	17-Aug-10
Fork Length (mm)		327	335	345	345	360	370	377	380	385	396
Wet Weight of Sample (g)		1.213	3.008	0.33	0.06	0.136	0.962	1.289	0.837	0.674	2.193
Dry Weight of Sample (g)		0.181	0.86	0.076	0.008	0.026	0.207	0.294	0.108	0.155	0.908
INVERTEBRATES		life stage									
Crustacea											
Cladocera	n/a	0	0	0	0	0	0	0	0	0	0
Copepoda	n/a	0	0	0	0	0	0	0	0	0	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0	0
Annelida											
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0	0
Mollusca											
Bivalvia											
Pisidiidae	n/a	0	0	0	0	0	30	0	0	0	0
Aquatic Insecta											
Trichoptera											
Limnephilidae	larva	60	0	0	0	0	40	88	0	35	0
Limnephilidae	adult	0	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	80	10	0	0	0	0	35	0	55
Unidentified	pupa	0	0	0	0	0	0	0	0	0	0
Diptera											
Chironomidae	larva	0	1	0	5	0	30	2	0	15	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	5	0	0
Coleoptera											
Dytiscidae	larva	0	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0	0
Ephemeroptera											
Ephemeridae	larva	0	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL											
		40	19	90	95	100	0	10	60	50	45
TOTAL Content (%)		100	100	100	100	100	100	100	100	100	100

Fish Stomach Sample ID ²		015a_2	014a_1	019c_3	008a_1	071a_10	181a_1	200e_3	202a_1	009c_1
Collection Date		10-Aug-10	10-Aug-10	11-Aug-10	08-Aug-10	23-Aug-10	11-Sep-10	14-Sep-10	10-Sep-10	08-Aug-10
Fork Length (mm)		398	400	405	405	405	405	408	415	425
Wet Weight of Sample (g)		-	0.008	-	0.067	0.121	0.076	0.379	0.202	0.028
Dry Weight of Sample (g)		-	0.002	-	0.011	0.014	0.018	0.036	0.04	0.006
INVERTEBRATES		life stage								
Crustacea										
Cladocera	n/a	0	0	0	0	0	0	0	0	0
Copepoda	n/a	0	0	0	0	0	0	0	0	0
Ostracoda	n/a	0	0	0	0	0	0	0	0	0
Amphipoda	n/a	0	0	0	0	0	0	0	0	0
Conchostraca	n/a	0	0	0	0	0	0	0	0	0
Annelida										
Oligochaeta	n/a	0	0	0	0	0	0	0	0	0
Mollusca										
Bivalvia										
Pisidiidae	n/a	0	0	0	0	0	0	0	0	0
Aquatic Insecta										
Trichoptera										
Limnephilidae	larva	0	0	0	20	0	0	0	85	0
Limnephilidae	adult	0	0	0	0	0	0	0	0	0
Unidentified	larva	0	100	0	0	0	100	0	0	100
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Diptera										
Chironomidae	larva	0	0	0	0	0	0	0	0	0
Chironomidae	pupa	0	0	0	0	0	0	0	0	0
Unidentified	pupa	0	0	0	0	0	0	0	0	0
Coleoptera										
Dytiscidae	larva	0	0	0	0	0	0	0	0	0
Dytiscidae	adult	0	0	0	0	0	0	0	0	0
Ephemeroptera										
Ephemeridae	larva	0	0	0	0	0	0	0	0	0
UNIDENTIFIED ORGANIC MATERIAL										
		0	0	0	80	0	0	100	15	0
TOTAL Content (%)		Empty	100	Empty	100	100	100	100	100	100

APPENDIX 4.

ALS LABORATORY RESULTS FOR DBA FISH LIVER METAL CONCENTRATION AND TISSUE METAL MERCURY CONCENTRATION ANALYSES



Environmental Division

Certificate of Analysis

NORTH/SOUTH CONSULTANTS

ATTN: LISA CAPAR

83 SCURFIELD BLVD

WINNIPEG MB R3Y 1G4

Report Date: 17-SEP-10 15:28 (MT)

Version: FINAL

Lab Work Order #: L925109

Date Received: 27-AUG-10

Project P.O. #: NOT SUBMITTED

Job Reference: NORTH/SOUTH CONSULTANTS

Legal Site Desc:

CofC Numbers:

Other Information:

Comments:

Gail Hill
Account Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY.
ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU
REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
HG-WT	Tissue	Mercury by CVAA	SW846 7470A
MET-WET-DA-LOW-WP	Tissue	Metals	EPA SW846 3050B Rev 2 1996

Samples are digested by dry ash and analyzed on a wet weight basis.

MET-WET-HP-LOW-WP	Tissue	Metals	EPA SW846 3050B Rev 2 1996

Samples are digested by hydrogen peroxide and analyzed on a wet weight basis.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WP	ALS LABORATORY GROUP - WINNIPEG, MANITOBA, CANADA
WT	ALS LABORATORY GROUP - WATERLOO, ONTARIO, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg ww - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



Quality Control Report

Workorder: L925109

Report Date: 17-SEP-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: LISA CAPAR

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-WT		Tissue						
Batch	R1468445							
WG1167874-2	CRM	WT-DOLT-4						
Mercury (Hg)			118		%		70-130	16-SEP-10
WG1167874-4	DUP	L925109-1						
Mercury (Hg)		0.116	0.115	J	mg/kg ww	0.000	0.2	16-SEP-10
WG1167874-3	LCS							
Mercury (Hg)			102		%		70-130	16-SEP-10
WG1167874-1	MB							
Mercury (Hg)			<0.050		mg/kg ww		0.05	16-SEP-10
MET-WET-DA-LOW-WP		Tissue						
Batch	R1469564							
WG1168597-3	CCV							
Silver (Ag)-Total			97		%		63-138	16-SEP-10
Aluminum (Al)-Total			93		%		63-138	16-SEP-10
Beryllium (Be)-Total			90		%		63-138	16-SEP-10
Bismuth (Bi)-Total			100		%		63-138	16-SEP-10
Calcium (Ca)-Total			95		%		63-138	16-SEP-10
Cadmium (Cd)-Total			98		%		63-138	16-SEP-10
Cesium (Cs)-Total			101		%		63-138	16-SEP-10
Cobalt (Co)-Total			98		%		63-138	16-SEP-10
Chromium (Cr)-Total			97		%		63-138	16-SEP-10
Copper (Cu)-Total			98		%		63-138	16-SEP-10
Iron (Fe)-Total			98		%		63-138	16-SEP-10
Potassium (K)-Total			95		%		63-138	16-SEP-10
Phosphorus (P)-Total			95		%		63-138	16-SEP-10
Magnesium (Mg)-Total			95		%		63-138	16-SEP-10
Manganese (Mn)-Total			98		%		63-138	16-SEP-10
Molybdenum (Mo)-Total			98		%		63-138	16-SEP-10
Nickel (Ni)-Total			99		%		63-138	16-SEP-10
Rubidium (Rb)-Total			99		%		63-138	16-SEP-10
Tellurium (Te)-Total			99		%		63-138	16-SEP-10
Tin (Sn)-Total			99		%		63-138	16-SEP-10
Strontium (Sr)-Total			97		%		63-138	16-SEP-10
Uranium (U)-Total			97		%		63-138	16-SEP-10
Vanadium (V)-Total			96		%		63-138	16-SEP-10
Zinc (Zn)-Total			97		%		63-138	16-SEP-10

Quality Control Report

Workorder: L925109

Report Date: 17-SEP-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: LISA CAPAR

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1469564							
WG1168525-2 CRM		APPLELEAF						
Aluminum (Al)-Total			95		%		60-140	16-SEP-10
Calcium (Ca)-Total			100		%		60-140	16-SEP-10
Copper (Cu)-Total			101		%		60-140	16-SEP-10
Iron (Fe)-Total			96		%		60-140	16-SEP-10
Potassium (K)-Total			96		%		60-140	16-SEP-10
Phosphorus (P)-Total			105		%		60-140	16-SEP-10
Magnesium (Mg)-Total			99		%		60-140	16-SEP-10
Manganese (Mn)-Total			96		%		60-140	16-SEP-10
Molybdenum (Mo)-Total			92		%		60-140	16-SEP-10
Nickel (Ni)-Total			85		%		60-140	16-SEP-10
Rubidium (Rb)-Total			92		%		60-140	16-SEP-10
Strontium (Sr)-Total			95		%		60-140	16-SEP-10
Zinc (Zn)-Total			99		%		60-140	16-SEP-10
WG1168597-1 CVS								
Silver (Ag)-Total			97		%		63-138	16-SEP-10
Aluminum (Al)-Total			92		%		63-138	16-SEP-10
Beryllium (Be)-Total			96		%		63-138	16-SEP-10
Bismuth (Bi)-Total			101		%		63-138	16-SEP-10
Calcium (Ca)-Total			97		%		63-138	16-SEP-10
Cadmium (Cd)-Total			98		%		63-138	16-SEP-10
Cesium (Cs)-Total			103		%		63-138	16-SEP-10
Cobalt (Co)-Total			99		%		63-138	16-SEP-10
Chromium (Cr)-Total			97		%		63-138	16-SEP-10
Copper (Cu)-Total			99		%		63-138	16-SEP-10
Iron (Fe)-Total			98		%		63-138	16-SEP-10
Potassium (K)-Total			95		%		63-138	16-SEP-10
Phosphorus (P)-Total			94		%		63-138	16-SEP-10
Magnesium (Mg)-Total			93		%		63-138	16-SEP-10
Manganese (Mn)-Total			99		%		63-138	16-SEP-10
Molybdenum (Mo)-Total			98		%		63-138	16-SEP-10
Nickel (Ni)-Total			99		%		63-138	16-SEP-10
Rubidium (Rb)-Total			100		%		63-138	16-SEP-10
Tellurium (Te)-Total			96		%		63-138	16-SEP-10
Tin (Sn)-Total			99		%		63-138	16-SEP-10

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Workorder: L925109

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: LISA CAPAR

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1469564							
WG1168597-1	CVS							
Strontium (Sr)-Total			98		%		63-138	16-SEP-10
Uranium (U)-Total			96		%		63-138	16-SEP-10
Vanadium (V)-Total			97		%		63-138	16-SEP-10
Zinc (Zn)-Total			98		%		63-138	16-SEP-10
WG1168597-2	CVS							
Silver (Ag)-Total			95		%		63-138	16-SEP-10
Aluminum (Al)-Total			96		%		63-138	16-SEP-10
Beryllium (Be)-Total			100		%		63-138	16-SEP-10
Bismuth (Bi)-Total			98		%		63-138	16-SEP-10
Calcium (Ca)-Total			97		%		63-138	16-SEP-10
Cadmium (Cd)-Total			98		%		63-138	16-SEP-10
Cesium (Cs)-Total			97		%		63-138	16-SEP-10
Cobalt (Co)-Total			92		%		63-138	16-SEP-10
Chromium (Cr)-Total			94		%		63-138	16-SEP-10
Copper (Cu)-Total			93		%		63-138	16-SEP-10
Iron (Fe)-Total			94		%		63-138	16-SEP-10
Potassium (K)-Total			96		%		63-138	16-SEP-10
Phosphorus (P)-Total			93		%		63-138	16-SEP-10
Magnesium (Mg)-Total			95		%		63-138	16-SEP-10
Manganese (Mn)-Total			98		%		63-138	16-SEP-10
Molybdenum (Mo)-Total			100		%		63-138	16-SEP-10
Nickel (Ni)-Total			94		%		63-138	16-SEP-10
Rubidium (Rb)-Total			101		%		63-138	16-SEP-10
Tellurium (Te)-Total			97		%		63-138	16-SEP-10
Tin (Sn)-Total			98		%		63-138	16-SEP-10
Strontium (Sr)-Total			99		%		63-138	16-SEP-10
Uranium (U)-Total			97		%		63-138	16-SEP-10
Vanadium (V)-Total			96		%		63-138	16-SEP-10
Zinc (Zn)-Total			95		%		63-138	16-SEP-10
WG1168525-4	DUP	WG1168525-3						
Silver (Ag)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	40	16-SEP-10
Aluminum (Al)-Total		45.4	47.3		mg/kg	4.2	40	16-SEP-10
Beryllium (Be)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	30	16-SEP-10
Bismuth (Bi)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	30	16-SEP-10

Quality Control Report

Workorder: L925109

Report Date: 17-SEP-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: LISA CAPAR

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1469564							
WG1168525-4	DUP	WG1168525-3						
Calcium (Ca)-Total		9480	9490		mg/kg	0.10	30	16-SEP-10
Cadmium (Cd)-Total		0.107	1.07	J,G	mg/kg	0.967	0.08	16-SEP-10
Cesium (Cs)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	30	16-SEP-10
Cobalt (Co)-Total		0.199	0.084	J,G	mg/kg	0.115	0.04	16-SEP-10
Chromium (Cr)-Total		2.38	2.70		mg/kg	13	30	16-SEP-10
Copper (Cu)-Total		10.8	12.0		mg/kg	11	30	16-SEP-10
Iron (Fe)-Total		134	129	J	mg/kg	5	80	16-SEP-10
Potassium (K)-Total		23700	23600		mg/kg	0.36	40	16-SEP-10
Phosphorus (P)-Total		3200	3080		mg/kg	3.8	30	16-SEP-10
Magnesium (Mg)-Total		4640	4400		mg/kg	5.3	30	16-SEP-10
Manganese (Mn)-Total		24.3	24.2		mg/kg	0.50	30	16-SEP-10
Molybdenum (Mo)-Total		3.19	3.15		mg/kg	1.2	40	16-SEP-10
Nickel (Ni)-Total		2.21	2.51		mg/kg	13	30	16-SEP-10
Rubidium (Rb)-Total		9.59	9.50		mg/kg	1.0	30	16-SEP-10
Tellurium (Te)-Total		<0.080	<0.080	RPD-NA	mg/kg	N/A	30	16-SEP-10
Tin (Sn)-Total		1.1	440	J,G	mg/kg	439	4	16-SEP-10
Strontium (Sr)-Total		15.5	15.8		mg/kg	1.9	40	16-SEP-10
Uranium (U)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	30	16-SEP-10
Vanadium (V)-Total		0.185	0.238	J	mg/kg	0.053	0.24	16-SEP-10
Zinc (Zn)-Total		67.8	70.5		mg/kg	3.8	30	16-SEP-10
WG1168525-6	DUP	WG1168525-5						
Silver (Ag)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	40	16-SEP-10
Aluminum (Al)-Total		42.5	42.4		mg/kg	0.17	40	16-SEP-10
Beryllium (Be)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	30	16-SEP-10
Bismuth (Bi)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	30	16-SEP-10
Calcium (Ca)-Total		6730	7600		mg/kg	12	30	16-SEP-10
Cadmium (Cd)-Total		0.050	0.037	J	mg/kg	0.013	0.08	16-SEP-10
Cesium (Cs)-Total		0.036	<0.020	RPD-NA	mg/kg	N/A	30	16-SEP-10
Cobalt (Co)-Total		0.099	0.103	J	mg/kg	0.004	0.04	16-SEP-10
Chromium (Cr)-Total		3.16	2.79		mg/kg	12	30	16-SEP-10
Copper (Cu)-Total		4.75	5.35		mg/kg	12	30	16-SEP-10
Iron (Fe)-Total		139	141	J	mg/kg	2	80	16-SEP-10
Potassium (K)-Total		17600	14300		mg/kg	21	40	16-SEP-10

Quality Control Report

Workorder: L925109

Report Date: 17-SEP-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: LISA CAPAR

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP Tissue								
Batch	R1469564							
WG1168525-6 DUP		WG1168525-5						
Phosphorus (P)-Total		3190	2610		mg/kg	20	30	16-SEP-10
Magnesium (Mg)-Total		4390	4870		mg/kg	10	30	16-SEP-10
Manganese (Mn)-Total		28.0	30.6		mg/kg	9.2	30	16-SEP-10
Molybdenum (Mo)-Total		3.40	3.85		mg/kg	12	40	16-SEP-10
Nickel (Ni)-Total		2.23	2.27		mg/kg	1.8	30	16-SEP-10
Rubidium (Rb)-Total		8.63	9.32		mg/kg	7.7	30	16-SEP-10
Tellurium (Te)-Total		<0.080	<0.080	RPD-NA	mg/kg	N/A	30	16-SEP-10
Tin (Sn)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	40	16-SEP-10
Strontium (Sr)-Total		11.5	12.7		mg/kg	10	40	16-SEP-10
Uranium (U)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	30	16-SEP-10
Vanadium (V)-Total		0.182	0.171	J	mg/kg	0.011	0.24	16-SEP-10
Zinc (Zn)-Total		34.1	42.8	J	mg/kg	8.7	20	16-SEP-10
WG1168525-1 MB								
Silver (Ag)-Total			<1.0		mg/kg		1	16-SEP-10
Aluminum (Al)-Total			<3.0		mg/kg		3	16-SEP-10
Beryllium (Be)-Total			<0.050		mg/kg		0.05	16-SEP-10
Bismuth (Bi)-Total			<0.020		mg/kg		0.02	16-SEP-10
Calcium (Ca)-Total			<50		mg/kg		50	16-SEP-10
Cadmium (Cd)-Total			<0.020		mg/kg		0.02	16-SEP-10
Cesium (Cs)-Total			<0.020		mg/kg		0.02	16-SEP-10
Cobalt (Co)-Total			<0.010		mg/kg		0.01	16-SEP-10
Chromium (Cr)-Total			<0.20		mg/kg		0.2	16-SEP-10
Copper (Cu)-Total			<0.40		mg/kg		0.4	16-SEP-10
Iron (Fe)-Total			<20		mg/kg		20	16-SEP-10
Potassium (K)-Total			<10		mg/kg		10	16-SEP-10
Phosphorus (P)-Total			<10		mg/kg		10	16-SEP-10
Magnesium (Mg)-Total			<10		mg/kg		10	16-SEP-10
Manganese (Mn)-Total			<0.20		mg/kg		0.2	16-SEP-10
Molybdenum (Mo)-Total			<0.020		mg/kg		0.02	16-SEP-10
Nickel (Ni)-Total			<0.20		mg/kg		0.2	16-SEP-10
Rubidium (Rb)-Total			<0.20		mg/kg		0.2	16-SEP-10
Tellurium (Te)-Total			<0.080		mg/kg		0.08	16-SEP-10
Tin (Sn)-Total			<1.0		mg/kg		1	16-SEP-10



Quality Control Report

Workorder: L925109

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: LISA CAPAR

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP Tissue								
Batch	R1469564							
WG1168525-1 MB								
Strontium (Sr)-Total			<0.10		mg/kg		0.1	16-SEP-10
Uranium (U)-Total			<0.020		mg/kg		0.02	16-SEP-10
Vanadium (V)-Total			<0.060		mg/kg		0.06	16-SEP-10
Zinc (Zn)-Total			<5.0		mg/kg		5	16-SEP-10
MET-WET-HP-LOW-WP Tissue								
Batch	R1468305							
WG1168053-3 CCV								
Antimony (Sb)-Total			104		%		63-138	15-SEP-10
Arsenic (As)-Total			103		%		63-138	15-SEP-10
Boron (B)-Total			97		%		63-138	15-SEP-10
Barium (Ba)-Total			103		%		63-138	15-SEP-10
Lead (Pb)-Total			103		%		63-138	15-SEP-10
Selenium (Se)-Total			104		%		63-138	15-SEP-10
Sodium (Na)-Total			95		%		63-138	15-SEP-10
Titanium (Ti)-Total			102		%		63-138	15-SEP-10
Thallium (Tl)-Total			102		%		63-138	15-SEP-10
WG1167944-2 CRM		APPLELEAF						
Boron (B)-Total			100		%		60-140	15-SEP-10
Barium (Ba)-Total			89		%		60-140	15-SEP-10
WG1168053-1 CVS								
Antimony (Sb)-Total			102		%		63-138	15-SEP-10
Arsenic (As)-Total			101		%		63-138	15-SEP-10
Boron (B)-Total			97		%		63-138	15-SEP-10
Barium (Ba)-Total			102		%		63-138	15-SEP-10
Lead (Pb)-Total			102		%		63-138	15-SEP-10
Selenium (Se)-Total			99		%		63-138	15-SEP-10
Sodium (Na)-Total			92		%		63-138	15-SEP-10
Titanium (Ti)-Total			99		%		63-138	15-SEP-10
Thallium (Tl)-Total			101		%		63-138	15-SEP-10
WG1168053-2 CVS								
Antimony (Sb)-Total			99		%		63-138	15-SEP-10
Arsenic (As)-Total			99		%		63-138	15-SEP-10
Boron (B)-Total			96		%		63-138	15-SEP-10
Barium (Ba)-Total			97		%		63-138	15-SEP-10

Quality Control Report

Workorder: L925109

Report Date: 17-SEP-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: LISA CAPAR

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-HP-LOW-WP Tissue								
Batch	R1468305							
WG1168053-2 CVS								
Lead (Pb)-Total			98		%		63-138	15-SEP-10
Selenium (Se)-Total			100		%		63-138	15-SEP-10
Sodium (Na)-Total			94		%		63-138	15-SEP-10
Titanium (Ti)-Total			98		%		63-138	15-SEP-10
Thallium (Tl)-Total			96		%		63-138	15-SEP-10
WG1167944-4 DUP		WG1167944-3						
Antimony (Sb)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	30	15-SEP-10
Arsenic (As)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	30	15-SEP-10
Boron (B)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	30	15-SEP-10
Barium (Ba)-Total		<0.50	<0.50	RPD-NA	mg/kg	N/A	40	15-SEP-10
Lead (Pb)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	40	15-SEP-10
Selenium (Se)-Total		0.49	0.51	J	mg/kg	0.02	0.4	15-SEP-10
Sodium (Na)-Total		403	393		mg/kg	2.6	40	15-SEP-10
Titanium (Ti)-Total		0.15	0.14	J	mg/kg	0.02	0.4	15-SEP-10
Thallium (Tl)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	30	15-SEP-10
WG1167944-6 DUP		WG1167944-5						
Antimony (Sb)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	30	15-SEP-10
Arsenic (As)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	30	15-SEP-10
Boron (B)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	30	15-SEP-10
Barium (Ba)-Total		<0.50	<0.50	RPD-NA	mg/kg	N/A	40	15-SEP-10
Lead (Pb)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	40	15-SEP-10
Selenium (Se)-Total		0.97	0.97	J	mg/kg	0.00	0.4	15-SEP-10
Sodium (Na)-Total		455	417		mg/kg	8.6	40	15-SEP-10
Titanium (Ti)-Total		0.10	0.10	J	mg/kg	0.00	0.4	15-SEP-10
Thallium (Tl)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	30	15-SEP-10
WG1167944-1 MB								
Antimony (Sb)-Total			<0.060		mg/kg		0.06	15-SEP-10
Arsenic (As)-Total			<0.050		mg/kg		0.05	15-SEP-10
Boron (B)-Total			<1.0		mg/kg		1	15-SEP-10
Barium (Ba)-Total			<0.50		mg/kg		0.5	15-SEP-10
Lead (Pb)-Total			<0.20		mg/kg		0.2	15-SEP-10
Selenium (Se)-Total			<0.10		mg/kg		0.1	15-SEP-10
Sodium (Na)-Total			<10		mg/kg		10	15-SEP-10
Titanium (Ti)-Total			<0.10		mg/kg		0.1	15-SEP-10



Quality Control Report

Workorder: L925109

Report Date: 17-SEP-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: LISA CAPAR

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-HP-LOW-WP	Tissue							
Batch	R1468305							
WG1167944-1 MB								
Thallium (Tl)-Total			<0.060		mg/kg		0.06	15-SEP-10

Quality Control Report

Workorder: L925109

Report Date: 17-SEP-10

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Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
J	Duplicate results and limits are expressed in terms of absolute difference.
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

Hold Time Exceedances:

All test results reported with this submission were conducted within ALS recommended hold times.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

[illegible]

GENE 18 02 Front



NORTH/SOUTH CONSULTANTS

ATTN: Lisa Capar

83 SCURFIELD BLVD

WINNIPEG MB R3Y 1G4

Phone: 204-487-5638

Date Received: 01-NOV-10

Report Date: 02-DEC-10 11:04 (MT)

Version: FINAL REV. 2

Certificate of Analysis

Lab Work Order #: L949412

Project P.O. #: NOT SUBMITTED

Job Reference: MEADOWBANK/BAKER LAKE 2010

Legal Site Desc:

C of C Numbers:

Comments: ADDITIONAL 01-DEC-10 12:32

02-DEC-10: FINAL REPORT

Gail Hill
Account Manager

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MANITOBA TECHNOLOGY CENTRE LTD. Part of the ALS Group A Campbell Brothers Limited Company

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-1005A_6 ARCH Sampled By: CLIENT on 07-AUG-10 Matrix: LIVER Metal Scan in tissue (wet weight) Metals Silver (Ag)-Total<1.01.0mg/kg16-NOV-1017-NOV-10R1624624 Aluminum (Al)-Total<3.03.0mg/kg16-NOV-1017-NOV-10R1624624 Beryllium (Be)-Total<0.0500.050mg/kg16-NOV-1017-NOV-10R1624624 Bismuth (Bi)-Total<0.0200.020mg/kg16-NOV-1017-NOV-10R1624624 Calcium (Ca)-Total8850mg/kg16-NOV-1017-NOV-10R1624624 Cadmium (Cd)-Total0.1640.020mg/kg16-NOV-1017-NOV-10R1624624 Cesium (Cs)-Total<0.0200.020mg/kg16-NOV-1017-NOV-10R1624624 Cobalt (Co)-Total0.0750.010mg/kg16-NOV-1017-NOV-10R1624624 Chromium (Cr)-Total<0.200.20mg/kg16-NOV-1017-NOV-10R1624624 Copper (Cu)-Total1.250.40mg/kg16-NOV-1017-NOV-10R1624624 Iron (Fe)-Total45520mg/kg16-NOV-1017-NOV-10R1624624 Potassium (K)-Total355010mg/kg16-NOV-1017-NOV-10R1624624 Phosphorus (P)-Total384010mg/kg16-NOV-1017-NOV-10R1624624 Magnesium (Mg)-Total21210mg/kg16-NOV-1017-NOV-10R1624624 Manganese (Mn)-Total2.340.20mg/kg16-NOV-1017-NOV-10R1624624 Molybdenum (Mo)-Total0.1340.020mg/kg16-NOV-1017-NOV-10R1624624 Nickel (Ni)-Total<0.200.20mg/kg16-NOV-1017-NOV-10R1624624 Rubidium (Rb)-Total8.680.20mg/kg16-NOV-1017-NOV-10R1624624 Tellurium (Te)-Total<0.0800.080mg/kg16-NOV-1017-NOV-10R1624624 Tin (Sn)-Total<1.01.0mg/kg16-NOV-1017-NOV-10R1624624 Strontium (Sr)-Total0.100.10mg/kg16-NOV-1017-NOV-10R1624624 Uranium (U)-Total<0.0200.020mg/kg16-NOV-1017-NOV-10R1624624 Vanadium (V)-Total<0.0600.060mg/kg16-NOV-1017-NOV-10R1624624 Zinc (Zn)-Total19.25.0mg/kg16-NOV-1017-NOV-10R1624624 Metals Antimony (Sb)-Total<0.0600.060mg/kg16-NOV-1017-NOV-10R1623903 Arsenic (As)-Total<0.0500.050mg/kg16-NOV-1017-NOV-10R1623903 Boron (B)-Total<1.01.0mg/kg16-NOV-1017-NOV-10R1623903 Barium (Ba)-Total<0.500.50mg/kg16-NOV-1017-NOV-10R1623903 Lead (Pb)-Total<0.200.20mg/kg16-NOV-1017-NOV-10R1623903 Selenium (Se)-Total0.850.10mg/kg16-NOV-1017-NOV-10R1623903 Sodium (Na)-Total164010mg/kg16-NOV-1017-NOV-10R1623903 Titanium (Ti)-Total0.110.10mg/kg16-NOV-1017-NOV-10R1623903 Thallium (Tl)-Total0.0810.060mg/kg16-NOV-1017-NOV-10R1623903							
L949412-2007A_2 ARCH Sampled By: CLIENT on 07-AUG-10 Matrix: LIVER Metal Scan in tissue (wet weight) Metals Antimony (Sb)-Total<0.10DLA0.060mg/kg16-NOV-1017-NOV-10R1623903 Arsenic (As)-Total0.145DLA0.050mg/kg16-NOV-1017-NOV-10R1623903 Boron (B)-Total<2.0DLA1.0mg/kg16-NOV-1017-NOV-10R1623903 Barium (Ba)-Total<1.0DLA0.50mg/kg16-NOV-1017-NOV-10R1623903 Lead (Pb)-Total<0.40DLA0.20mg/kg16-NOV-1017-NOV-10R1623903 Selenium (Se)-Total2.57DLA0.10mg/kg16-NOV-1017-NOV-10R1623903 Sodium (Na)-Total1330DLA10mg/kg16-NOV-1017-NOV-10R1623903 Titanium (Ti)-Total<0.20DLA0.10mg/kg16-NOV-1017-NOV-10R1623903 Thallium (Tl)-Total<0.10DLA0.060mg/kg16-NOV-1017-NOV-10R1623903 Note: Insufficient sample submitted to provide method DLs.							

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-2007A_2 ARCH Sampled By: CLIENT on 07-AUG-10 Matrix: LIVER Metals Silver (Ag)-Total Aluminum (Al)-Total Beryllium (Be)-Total Bismuth (Bi)-Total Calcium (Ca)-Total Cadmium (Cd)-Total Cesium (Cs)-Total Cobalt (Co)-Total Chromium (Cr)-Total Copper (Cu)-Total Iron (Fe)-Total Potassium (K)-Total Phosphorus (P)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Rubidium (Rb)-Total Tellurium (Te)-Total Tin (Sn)-Total Strontium (Sr)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Note: Insufficient sample submitted to provide method DLs.	<2.0 <7.0 <0.10 <0.050 131 0.246 <0.050 0.120 <0.50 17.2 391 3020 3800 223 1.50 0.212 <0.50 6.97 <0.20 <2.0 0.23 <0.050 <0.10 54.1	DLA DLA DLA DLA DLA DLA DLA DLA DLA DLA DLA DLA	1.0 3.0 0.050 0.020 50 0.020 0.020 0.010 0.20 0.40 20 10 10 10 0.20 0.020 0.20 0.20 1.0 0.10 0.020 0.060 5.0	mg/kg mg/kg	16-NOV-10 16-NOV-10	17-NOV-10 17-NOV-10	R1624624 R1624624
L949412-3007A_2 ARCH Sampled By: CLIENT on 07-AUG-10 Matrix: TISSUE Metal Scan in tissue (wet weight) Metals Silver (Ag)-Total Aluminum (Al)-Total Beryllium (Be)-Total Bismuth (Bi)-Total Calcium (Ca)-Total Cadmium (Cd)-Total Cesium (Cs)-Total Cobalt (Co)-Total Chromium (Cr)-Total Copper (Cu)-Total Iron (Fe)-Total Potassium (K)-Total Phosphorus (P)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Rubidium (Rb)-Total Tellurium (Te)-Total	<1.0 4.6 <0.050 <0.020 98 <0.020 0.039 0.013 <0.20 0.61 <20 4480 2900 313 <0.20 <0.020 0.35 8.05 <0.080		1.0 3.0 0.050 0.020 50 0.020 0.020 0.010 0.20 0.40 20 10 10 10 0.20 0.020 0.20 0.20 0.080	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10	10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10	R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-4	010B_3 ARCH							
Sampled By:	CLIENT on 08-AUG-10							
Matrix:	LIVER							
Metals								
Boron (B)-Total		<5.0		1.0	mg/kg	16-NOV-10	17-NOV-10	R1623903
Barium (Ba)-Total		<2.0		0.50	mg/kg	16-NOV-10	17-NOV-10	R1623903
Lead (Pb)-Total		<1.0		0.20	mg/kg	16-NOV-10	17-NOV-10	R1623903
Selenium (Se)-Total		2.19		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Sodium (Na)-Total		1050		10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Titanium (Ti)-Total		<0.50		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Thallium (Tl)-Total		<0.30		0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Note: Insufficient sample submitted to provide method DLs.								
L949412-5	010B_3 ARCH							
Sampled By:	CLIENT on 08-AUG-10							
Matrix:	TISSUE							
Metal Scan in tissue (wet weight)								
Metals								
Silver (Ag)-Total		<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total		<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total		<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total		<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total		124		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total		<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total		0.033		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total		0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total		<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total		0.51		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total		<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total		4470		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total		2630		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total		328		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total		0.26		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total		<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total		0.29		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total		8.74		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total		<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total		<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total		0.11		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total		<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total		0.097		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total		5.6		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Metals								
Antimony (Sb)-Total		<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total		<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total		<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total		<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total		<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total		0.58		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total		375		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total		0.13		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total		<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Miscellaneous Parameters								
Mercury (Hg)		0.0190		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-7 012B_2 ARCH Sampled By: CLIENT on 09-AUG-10 Matrix: TISSUE							
Metals							
Titanium (Ti)-Total	<0.10		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	111		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.032		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	0.52		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4000		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2330		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	278		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	6.95		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	0.14		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	6.9		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Miscellaneous Parameters							
Mercury (Hg)	0.0444		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-8 032B_1 ARCH Sampled By: CLIENT on 13-AUG-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<3.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Aluminum (Al)-Total	<8.0	DLA	3.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Beryllium (Be)-Total	<0.10	DLA	0.050	mg/kg	16-NOV-10	17-NOV-10	R1624624
Bismuth (Bi)-Total	<0.050	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Calcium (Ca)-Total	<100	DLA	50	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cadmium (Cd)-Total	0.132		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cesium (Cs)-Total	<0.50	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cobalt (Co)-Total	0.072		0.010	mg/kg	16-NOV-10	17-NOV-10	R1624624
Chromium (Cr)-Total	<0.50	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Copper (Cu)-Total	6.21		0.40	mg/kg	16-NOV-10	17-NOV-10	R1624624
Iron (Fe)-Total	253		20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Potassium (K)-Total	2750		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Phosphorus (P)-Total	3360		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Magnesium (Mg)-Total	199		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Manganese (Mn)-Total	1.48		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Molybdenum (Mo)-Total	0.253		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Nickel (Ni)-Total	<0.50	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-8032B_1 ARCH Sampled By: CLIENT on 13-AUG-10 Matrix: LIVER							
Metals							
Rubidium (Rb)-Total	7.33		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tellurium (Te)-Total	<0.20	DLA	0.080	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tin (Sn)-Total	<3.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Strontium (Sr)-Total	0.17		0.10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Uranium (U)-Total	<0.050	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Vanadium (V)-Total	<0.10		0.060	mg/kg	16-NOV-10	17-NOV-10	R1624624
Zinc (Zn)-Total	41.9		5.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Note: Insufficient sample submitted to provide method DLs.							
Metals							
Antimony (Sb)-Total	<0.10		0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Arsenic (As)-Total	0.194		0.050	mg/kg	16-NOV-10	17-NOV-10	R1623903
Boron (B)-Total	<2.0		1.0	mg/kg	16-NOV-10	17-NOV-10	R1623903
Barium (Ba)-Total	<0.90		0.50	mg/kg	16-NOV-10	17-NOV-10	R1623903
Lead (Pb)-Total	<0.40		0.20	mg/kg	16-NOV-10	17-NOV-10	R1623903
Selenium (Se)-Total	2.56		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Sodium (Na)-Total	1350		10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Titanium (Ti)-Total	<0.20		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Thallium (Tl)-Total	<0.10		0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Note: Insufficient sample submitted to provide method DLs.							
L949412-9032B_1 ARCH Sampled By: CLIENT on 13-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	0.49		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	431		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	0.11		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	8.5		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	97		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.038		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.012		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	0.26		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4240		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2670		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	318		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924

Note: Insufficient sample submitted to provide method DLs.

Metals

Antimony (Sb)-Total
Arsenic (As)-Total
Boron (B)-Total
Barium (Ba)-Total
Lead (Pb)-Total
Selenium (Se)-Total
Sodium (Na)-Total
Titanium (Ti)-Total

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-12 036C_2 ARCH Sampled By: CLIENT on 15-AUG-10 Matrix: LIVER							
Metals							
Arsenic (As)-Total	0.355		0.050	mg/kg	16-NOV-10	17-NOV-10	R1623903
Boron (B)-Total	<2.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1623903
Barium (Ba)-Total	<1.0	DLA	0.50	mg/kg	16-NOV-10	17-NOV-10	R1623903
Lead (Pb)-Total	<0.50	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1623903
Selenium (Se)-Total	2.56		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Sodium (Na)-Total	1180		10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Titanium (Ti)-Total	0.28		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Thallium (Tl)-Total	<0.10	DLA	0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Note: Insufficient sample submitted to provide method DL's							
Metals							
Silver (Ag)-Total	<4.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Aluminum (Al)-Total	<10	DLA	3.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Beryllium (Be)-Total	<0.20	DLA	0.050	mg/kg	16-NOV-10	17-NOV-10	R1624624
Bismuth (Bi)-Total	<0.070	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Calcium (Ca)-Total	<200	DLA	50	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cadmium (Cd)-Total	0.235		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cesium (Cs)-Total	<0.070	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cobalt (Co)-Total	0.116		0.010	mg/kg	16-NOV-10	17-NOV-10	R1624624
Chromium (Cr)-Total	<0.70	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Copper (Cu)-Total	9.41		0.40	mg/kg	16-NOV-10	17-NOV-10	R1624624
Iron (Fe)-Total	323		20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Potassium (K)-Total	2890		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Phosphorus (P)-Total	3840		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Magnesium (Mg)-Total	229		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Manganese (Mn)-Total	2.31		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Molybdenum (Mo)-Total	0.201		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Nickel (Ni)-Total	<0.70	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Rubidium (Rb)-Total	8.63		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tellurium (Te)-Total	<0.30	DLA	0.080	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tin (Sn)-Total	<4.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Strontium (Sr)-Total	<0.40	DLA	0.10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Uranium (U)-Total	<0.070	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Vanadium (V)-Total	<0.20	DLA	0.060	mg/kg	16-NOV-10	17-NOV-10	R1624624
Zinc (Zn)-Total	49.4		5.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Note: Insufficient sample submitted to provide method DLS							
L949412-13 036C_2 ARCH Sampled By: CLIENT on 15-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	109		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.037		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-13 036C_2 ARCH Sampled By: CLIENT on 15-AUG-10 Matrix: TISSUE							
Metals							
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4370		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2920		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	307		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	8.51		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	0.11		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	6.3		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	0.49		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	403		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	0.12		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Miscellaneous Parameters							
Mercury (Hg)	0.0292		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-14 048A_28 ARCH Sampled By: CLIENT on 19-AUG-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.20	DLA	0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Arsenic (As)-Total	0.237		0.050	mg/kg	16-NOV-10	17-NOV-10	R1623903
Boron (B)-Total	<3.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1623903
Barium (Ba)-Total	<1.0	DLA	0.50	mg/kg	16-NOV-10	17-NOV-10	R1623903
Lead (Pb)-Total	2.77		0.20	mg/kg	16-NOV-10	17-NOV-10	R1623903
Selenium (Se)-Total	2.64		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Sodium (Na)-Total	779		10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Titanium (Ti)-Total	<0.30	DLA	0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Thallium (Tl)-Total	<0.060		0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Note: Insufficient sample submitted to provide method DL's							
Metals							
Silver (Ag)-Total	<4.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Aluminum (Al)-Total	<10	DLA	3.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Beryllium (Be)-Total	<0.20	DLA	0.050	mg/kg	16-NOV-10	17-NOV-10	R1624624
Bismuth (Bi)-Total	<0.080	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Calcium (Ca)-Total	383		50	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cadmium (Cd)-Total	0.80	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cesium (Cs)-Total	0.031		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Note: Insufficient sample submitted to provide method DL's.

Metals

Antimony (Sb)-Total
Arsenic (As)-Total
Boron (B)-Total
Barium (Ba)-Total
Lead (Pb)-Total
Selenium (Se)-Total
Sodium (Na)-Total
Titanium (Ti)-Total
Thallium (Tl)-Total

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-18 048A_9 ARCH Sampled By: CLIENT on 19-AUG-10 Matrix: LIVER							
Metals							
Bismuth (Bi)-Total	<0.050	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Calcium (Ca)-Total	<100	DLA	50	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cadmium (Cd)-Total	0.175		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cesium (Cs)-Total	<0.050	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cobalt (Co)-Total	0.175		0.010	mg/kg	16-NOV-10	17-NOV-10	R1624624
Chromium (Cr)-Total	<0.50	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Copper (Cu)-Total	9.24		0.40	mg/kg	16-NOV-10	17-NOV-10	R1624624
Iron (Fe)-Total	383		20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Potassium (K)-Total	2850		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Phosphorus (P)-Total	3680		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Magnesium (Mg)-Total	197		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Manganese (Mn)-Total	2.06		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Molybdenum (Mo)-Total	0.302		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Nickel (Ni)-Total	<0.50	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Rubidium (Rb)-Total	7.84		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tellurium (Te)-Total	<0.20	DLA	0.080	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tin (Sn)-Total	<2.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Strontium (Sr)-Total	<0.20		0.10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Uranium (U)-Total	<0.050	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Vanadium (V)-Total	<0.10	DLA	0.060	mg/kg	16-NOV-10	17-NOV-10	R1624624
Zinc (Zn)-Total	41.3		5.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Note: Insuficient sample submitted to provide method DL's							
Metals							
Antimony (Sb)-Total	<0.10	DLA	0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Arsenic (As)-Total	0.186		0.050	mg/kg	16-NOV-10	17-NOV-10	R1623903
Boron (B)-Total	<2.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1623903
Barium (Ba)-Total	<1.0	DLA	0.50	mg/kg	16-NOV-10	17-NOV-10	R1623903
Lead (Pb)-Total	<0.40	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1623903
Selenium (Se)-Total	2.80		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Sodium (Na)-Total	1190		10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Titanium (Ti)-Total	<0.20	DLA	0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Thallium (Tl)-Total	<0.10	DLA	0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Note: Insufficient sample submitted to provide method DL's							
L949412-19 048A_9 ARCH Sampled By: CLIENT on 19-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	6.3		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	68		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.031		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.016		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	0.58		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	0.52		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-20146A_6 ARCH Sampled By: CLIENT on 01-SEP-10 Matrix: LIVER Metals Uranium (U)-Total<0.070 Vanadium (V)-Total<0.20 Zinc (Zn)-Total36.2 Note: Insufficient sample submitted to provide method DL's Metals Antimony (Sb)-Total<0.20 Arsenic (As)-Total<0.20 Boron (B)-Total<4.0 Barium (Ba)-Total<2.0 Lead (Pb)-Total<0.80 Selenium (Se)-Total0.84 Sodium (Na)-Total1380 Titanium (Ti)-Total<0.40 Thallium (Tl)-Total<0.20 Note: Insufficient sample submitted to provide method DL's		DLA DLA DLA DLA DLA DLA DLA DLA DLA	0.020 0.060 5.0 0.060 0.050 1.0 0.50 0.20 0.10 10 0.10 0.060	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10	17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10	R1624624 R1624624 R1624624 R1623903 R1623903 R1623903 R1623903 R1623903 R1623903 R1623903 R1623903 R1623903
L949412-21146A_6 ARCH Sampled By: CLIENT on 01-SEP-10 Matrix: TISSUE Metal Scan in tissue (wet weight) Metals Silver (Ag)-Total<1.0 Aluminum (Al)-Total<3.0 Beryllium (Be)-Total<0.050 Bismuth (Bi)-Total<0.020 Calcium (Ca)-Total687 Cadmium (Cd)-Total<0.020 Cesium (Cs)-Total0.054 Cobalt (Co)-Total0.024 Chromium (Cr)-Total0.32 Copper (Cu)-Total0.54 Iron (Fe)-Total<20 Potassium (K)-Total3730 Phosphorus (P)-Total2970 Magnesium (Mg)-Total293 Manganese (Mn)-Total0.49 Molybdenum (Mo)-Total<0.020 Nickel (Ni)-Total0.30 Rubidium (Rb)-Total8.72 Tellurium (Te)-Total<0.080 Tin (Sn)-Total<1.0 Strontium (Sr)-Total1.17 Uranium (U)-Total<0.020 Vanadium (V)-Total<0.060 Zinc (Zn)-Total13.9 Metals Antimony (Sb)-Total<0.060 Arsenic (As)-Total0.056 Boron (B)-Total<1.0 Barium (Ba)-Total<0.50			1.0 3.0 0.050 0.020 50 0.020 0.020 0.010 0.20 0.40 20 10 10 10 0.20 0.020 0.20 0.20 1.0 0.10 0.020 0.060 5.0 0.060 0.050 1.0 0.50	mg/kg mg/kg	09-NOV-10 09-NOV-10	10-NOV-10 10-NOV-10	R1598924 R1598323 R1598323 R1598323 R1598323

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-24 192A_1 ARCH Sampled By: CLIENT on 05-SEP-10 Matrix: LIVER Note: Insufficient sample submitted to provide method DL's							
Metals							
Silver (Ag)-Total	<2.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Aluminum (Al)-Total	<7.0	DLA	3.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Beryllium (Be)-Total	<0.10	DLA	0.050	mg/kg	16-NOV-10	17-NOV-10	R1624624
Bismuth (Bi)-Total	<0.050	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Calcium (Ca)-Total	<100	DLA	50	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cadmium (Cd)-Total	0.380		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cesium (Cs)-Total	<0.05	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cobalt (Co)-Total	0.147		0.010	mg/kg	16-NOV-10	17-NOV-10	R1624624
Chromium (Cr)-Total	<0.50	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Copper (Cu)-Total	19.7		0.40	mg/kg	16-NOV-10	17-NOV-10	R1624624
Iron (Fe)-Total	447		20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Potassium (K)-Total	2640		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Phosphorus (P)-Total	3690		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Magnesium (Mg)-Total	196		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Manganese (Mn)-Total	1.77		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Molybdenum (Mo)-Total	0.301		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Nickel (Ni)-Total	<0.50	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Rubidium (Rb)-Total	8.19		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tellurium (Te)-Total	<0.20	DLA	0.080	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tin (Sn)-Total	<1.0		1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Strontium (Sr)-Total	0.14		0.10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Uranium (U)-Total	<0.050	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Vanadium (V)-Total	<0.10	DLA	0.060	mg/kg	16-NOV-10	17-NOV-10	R1624624
Zinc (Zn)-Total	49.7		5.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Note: Insufficient sample submitted to provide method DL's							
L949412-25 192A_1 ARCH Sampled By: CLIENT on 05-SEP-10 Matrix: TISSUE Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	0.31		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	286		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	<0.10		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	3.7		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	75		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.038		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.012		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-27 192C_8 ARCH Sampled By: CLIENT on 07-SEP-10 Matrix: TISSUE Mercury (Hg)	0.0591		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-28 192C_9 ARCH Sampled By: CLIENT on 07-SEP-10 Matrix: LIVER Metal Scan in tissue (wet weight) Metals Silver (Ag)-Total Aluminum (Al)-Total Beryllium (Be)-Total Bismuth (Bi)-Total Calcium (Ca)-Total Cadmium (Cd)-Total Cesium (Cs)-Total Cobalt (Co)-Total Chromium (Cr)-Total Copper (Cu)-Total Iron (Fe)-Total Potassium (K)-Total Phosphorus (P)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Rubidium (Rb)-Total Tellurium (Te)-Total Tin (Sn)-Total Strontium (Sr)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Note: Insufficient sample submitted to provide method DL's Metals Antimony (Sb)-Total Arsenic (As)-Total Boron (B)-Total Barium (Ba)-Total Lead (Pb)-Total Selenium (Se)-Total Sodium (Na)-Total Titanium (Ti)-Total Thallium (Tl)-Total Note: Insufficient sample submitted to provide method DL's	<2.0 <6.0 <0.10 <0.40 108 0.212 0.044 0.164 <0.40 23.6 549 2690 3360 182 1.36 0.205 <0.40 7.64 <0.20 <2.0 <0.20 <0.040 <0.10 39.8 <0.10 0.169 2.7 <0.90 <0.40 3.63 1060 <0.20 <0.10	DLA DLA DLA DLA DLA DLA DLA DLA DLA DLA DLA DLA DLA DLA DLA	1.0 3.0 0.050 0.020 50 0.020 0.020 0.010 0.20 0.40 20 10 10 10 0.20 0.020 0.20 0.20 0.080 1.0 0.10 0.020 0.060 5.0 0.060 0.050 1.0 0.50 0.20 0.10 10 0.10 0.060	mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10 16-NOV-10	17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10 17-NOV-10	R1624624 R1623903 R1623903 R1623903 R1623903 R1623903 R1623903 R1623903 R1623903 R1623903 R1623903
L949412-29 192C_9 ARCH Sampled By: CLIENT on 07-SEP-10 Matrix: TISSUE Metal Scan in tissue (wet weight) Metals Silver (Ag)-Total Aluminum (Al)-Total	<1.0 <3.0		1.0 3.0	mg/kg mg/kg	09-NOV-10 09-NOV-10	10-NOV-10 10-NOV-10	R1598924 R1598924

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-29 192C_9 ARCH Sampled By: CLIENT on 07-SEP-10 Matrix: TISSUE							
Metals							
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	106		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.041		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.012		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	0.28		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4280		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2780		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	324		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	0.23		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	0.58		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	8.47		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	<0.10		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	0.39		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	133		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	0.13		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Miscellaneous Parameters							
Mercury (Hg)	0.0392		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-30 009B_8 LKTR Sampled By: CLIENT on 08-AUG-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.10	DLA	0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Arsenic (As)-Total	<0.10	DLA	0.050	mg/kg	16-NOV-10	17-NOV-10	R1623903
Boron (B)-Total	<2.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1623903
Barium (Ba)-Total	<1.0	DLA	0.50	mg/kg	16-NOV-10	17-NOV-10	R1623903
Lead (Pb)-Total	<0.50	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1623903
Selenium (Se)-Total	2.81		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Sodium (Na)-Total	1440		10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Titanium (Ti)-Total	<0.20	DLA	0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Thallium (Tl)-Total	<0.10	DLA	0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Note: Insufficient sample submitted to provide method DL's							
Metals							

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-35 015C_1 LKTR Sampled By: CLIENT on 10-AUG-10 Matrix: LIVER Note: Insufficient sample submitted to provide method DL's							
Metals							
Silver (Ag)-Total	<2.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Aluminum (Al)-Total	<6.0	DLA	3.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Beryllium (Be)-Total	<0.10	DLA	0.050	mg/kg	16-NOV-10	17-NOV-10	R1624624
Bismuth (Bi)-Total	<0.04	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Calcium (Ca)-Total	184		50	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cadmium (Cd)-Total	0.112		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cesium (Cs)-Total	<0.040	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cobalt (Co)-Total	0.049		0.010	mg/kg	16-NOV-10	17-NOV-10	R1624624
Chromium (Cr)-Total	<0.40	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Copper (Cu)-Total	6.27		0.40	mg/kg	16-NOV-10	17-NOV-10	R1624624
Iron (Fe)-Total	390		20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Potassium (K)-Total	2030		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Phosphorus (P)-Total	3100		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Magnesium (Mg)-Total	216		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Manganese (Mn)-Total	0.86		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Molybdenum (Mo)-Total	0.098		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Nickel (Ni)-Total	<0.40	DLA	0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Rubidium (Rb)-Total	2.52		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tellurium (Te)-Total	<0.20	DLA	0.080	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tin (Sn)-Total	<2.0	DLA	1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Strontium (Sr)-Total	0.42		0.10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Uranium (U)-Total	<0.040	DLA	0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Vanadium (V)-Total	<0.10		0.060	mg/kg	16-NOV-10	17-NOV-10	R1624624
Zinc (Zn)-Total	33.7		5.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Note: Insufficient sample submitted to provide method DL's							
L949412-36 015C_1 LKTR Sampled By: CLIENT on 10-AUG-10 Matrix: TISSUE Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	185		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.024		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	3090		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2060		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	272		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	2.93		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-40 045C_2 LKTR Sampled By: CLIENT on 19-AUG-10 Matrix: TISSUE							
Metals							
Cesium (Cs)-Total	0.028		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	3960		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2480		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	263		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	0.37		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	4.01		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	0.54		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	0.80		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	157		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	<0.10		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Miscellaneous Parameters							
Mercury (Hg)	0.104		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-41 046C_7 LKTR Sampled By: CLIENT on 19-AUG-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Arsenic (As)-Total	0.051		0.050	mg/kg	16-NOV-10	17-NOV-10	R1623903
Boron (B)-Total	<1.0		1.0	mg/kg	16-NOV-10	17-NOV-10	R1623903
Barium (Ba)-Total	<0.50		0.50	mg/kg	16-NOV-10	17-NOV-10	R1623903
Lead (Pb)-Total	<0.20		0.20	mg/kg	16-NOV-10	17-NOV-10	R1623903
Selenium (Se)-Total	3.31		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Sodium (Na)-Total	1610		10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Titanium (Ti)-Total	0.10		0.10	mg/kg	16-NOV-10	17-NOV-10	R1623903
Thallium (Tl)-Total	<0.060		0.060	mg/kg	16-NOV-10	17-NOV-10	R1623903
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Aluminum (Al)-Total	<3.0		3.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Beryllium (Be)-Total	<0.050		0.050	mg/kg	16-NOV-10	17-NOV-10	R1624624
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Calcium (Ca)-Total	133		50	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cadmium (Cd)-Total	0.262		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-41 046C_7 LKTR Sampled By: CLIENT on 19-AUG-10 Matrix: LIVER							
Metals							
Cesium (Cs)-Total	0.031		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cobalt (Co)-Total	0.074		0.010	mg/kg	16-NOV-10	17-NOV-10	R1624624
Chromium (Cr)-Total	<0.20		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Copper (Cu)-Total	11.3		0.40	mg/kg	16-NOV-10	17-NOV-10	R1624624
Iron (Fe)-Total	386		20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Potassium (K)-Total	2370		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Phosphorus (P)-Total	2870		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Magnesium (Mg)-Total	150		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Manganese (Mn)-Total	1.49		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Molybdenum (Mo)-Total	0.091		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Nickel (Ni)-Total	<0.20		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Rubidium (Rb)-Total	4.03		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tellurium (Te)-Total	<0.080		0.080	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tin (Sn)-Total	<1.0		1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Strontium (Sr)-Total	0.20		0.10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Uranium (U)-Total	<0.020		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Vanadium (V)-Total	<0.060		0.060	mg/kg	16-NOV-10	17-NOV-10	R1624624
Zinc (Zn)-Total	37.6		5.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
L949412-42 046C_7 LKTR Sampled By: CLIENT on 19-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	0.52		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	278		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	<0.10		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	63		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.025		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	3540		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2170		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	248		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-45 056A_4 LKTR Sampled By: CLIENT on 20-AUG-10 Matrix: LIVER							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Aluminum (Al)-Total	<3.0		3.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Beryllium (Be)-Total	<0.050		0.050	mg/kg	16-NOV-10	17-NOV-10	R1624624
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Calcium (Ca)-Total	<50		50	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cadmium (Cd)-Total	0.610		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cesium (Cs)-Total	0.031		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Cobalt (Co)-Total	0.078		0.010	mg/kg	16-NOV-10	17-NOV-10	R1624624
Chromium (Cr)-Total	<0.20		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Copper (Cu)-Total	12.7		0.40	mg/kg	16-NOV-10	17-NOV-10	R1624624
Iron (Fe)-Total	818		20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Potassium (K)-Total	3450		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Phosphorus (P)-Total	3510		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Magnesium (Mg)-Total	169		10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Manganese (Mn)-Total	2.31		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Molybdenum (Mo)-Total	0.156		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Nickel (Ni)-Total	<0.20		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Rubidium (Rb)-Total	6.88		0.20	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tellurium (Te)-Total	<0.080		0.080	mg/kg	16-NOV-10	17-NOV-10	R1624624
Tin (Sn)-Total	<1.0		1.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
Strontium (Sr)-Total	<0.10		0.10	mg/kg	16-NOV-10	17-NOV-10	R1624624
Uranium (U)-Total	<0.020		0.020	mg/kg	16-NOV-10	17-NOV-10	R1624624
Vanadium (V)-Total	<0.060		0.060	mg/kg	16-NOV-10	17-NOV-10	R1624624
Zinc (Zn)-Total	30.9		5.0	mg/kg	16-NOV-10	17-NOV-10	R1624624
L949412-46 056A_4 LKTR Sampled By: CLIENT on 20-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	1.7		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	0.52		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	259		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	<0.10		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	100		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	0.103		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.032		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-49 084A_1 LKTR Sampled By: CLIENT on 25-AUG-10 Matrix: LIVER							
Metals							
Aluminum (Al)-Total	5.8		3.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Beryllium (Be)-Total	<0.050		0.050	mg/kg	17-NOV-10	19-NOV-10	R1631334
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	113		50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	0.682		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.112		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	19.6		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334
Iron (Fe)-Total	823		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	3150		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	3800		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	216		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	2.83		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.220		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Rubidium (Rb)-Total	3.96		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.080		0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	0.15		0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.060		0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	44.5		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	0.056		0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<1.0		1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.50		0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.20		0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	4.35		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	739		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.14		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
L949412-50 084A_1 LKTR Sampled By: CLIENT on 25-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	0.48		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	109		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	<0.10		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-50084A_1 LKTR Sampled By: CLIENT on 25-AUG-10 Matrix: TISSUE							
Metals							
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	93		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.027		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	0.55		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4010		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2510		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	270		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	3.69		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	0.11		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Miscellaneous Parameters							
Mercury (Hg)	0.179		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-51095A_18 LKTR Sampled By: CLIENT on 27-AUG-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	<0.050		0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<1.0		1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.50		0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.20		0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	8.84		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	1660		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.16		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Aluminum (Al)-Total	3.5		3.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Beryllium (Be)-Total	<0.050		0.050	mg/kg	17-NOV-10	19-NOV-10	R1631334
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	77		50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	0.616		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	0.051		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.505		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	30.2		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334
Iron (Fe)-Total	914		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	2340		10	mg/kg	17-NOV-10	19-NOV-10	R1631334

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-55 143A_6 LKTR Sampled By: CLIENT on 01-SEP-10 Matrix: LIVER							
Metals							
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	88		50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	0.104		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	0.033		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.075		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	4.95		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334
Iron (Fe)-Total	178		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	2180		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	3130		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	161		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	1.71		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.104		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	0.23		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Rubidium (Rb)-Total	4.34		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.080		0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	0.13		0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.060		0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	26.6		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
L949412-56 143A_6 LKTR Sampled By: CLIENT on 01-SEP-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	70		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.034		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	3960		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2420		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	280		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	5.61		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	<0.10		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924

Note: Insufficient sample submitted to provide method DLs.

Antimony (Sb)-Total	<0.10	DLA	0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	<0.080	DLA	0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<2.0	DLA	1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.80	DLA	0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.30	DLA	0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	4.28		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	2170		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.24		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-59 009A_5 RNWH Sampled By: CLIENT on 08-AUG-10 Matrix: LIVER							
Metals							
Arsenic (As)-Total	<0.070	DLA	0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<1.0		1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.70	DLA	0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.30	DLA	0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	2.81		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	1240		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.13		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	<0.080	DLA	0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Note: Insufficient sample submitted to provide method DLs.							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Aluminum (Al)-Total	<3.0		3.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Beryllium (Be)-Total	<0.050		0.050	mg/kg	17-NOV-10	19-NOV-10	R1631334
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	468		50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	0.081		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	0.029		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.082		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	1.34		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334
Iron (Fe)-Total	198		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	3230		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	4200		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	244		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	2.17		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.160		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	0.42		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Rubidium (Rb)-Total	3.38		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.090	DLA	0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	0.20		0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	0.028		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.070	DLA	0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	21.8		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Note: Insufficient sample submitted to provide method DLs.							
L949412-60 009A_5 RNWH Sampled By: CLIENT on 08-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	1.41		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	409		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	0.15		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-61 009C_1 RNWH Sampled By: CLIENT on 08-AUG-10 Matrix: LIVER							
Metals							
Iron (Fe)-Total	297		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	2780		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	2930		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	158		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	1.65		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.166		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	0.23		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Rubidium (Rb)-Total	4.35		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.080		0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	0.21		0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	0.031		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.060		0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	21.1		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
L949412-62 009C_1 RNWH Sampled By: CLIENT on 08-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	58		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.024		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4400		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2850		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	320		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	0.22		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	3.58		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	<0.10		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	1.68		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-64 011B_1 RNWH Sampled By: CLIENT on 09-AUG-10 Matrix: TISSUE							
Metals							
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	1.92		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	412		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	0.12		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	78		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.028		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4210		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2690		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	317		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	4.18		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	<0.10		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Miscellaneous Parameters							
Mercury (Hg)	0.0440		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-65 019C_3 RNWH Sampled By: CLIENT on 11-AUG-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	<0.050		0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<1.0		1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.50		0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.20		0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	2.80		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	1470		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.13		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-65 019C_3 RNWH Sampled By: CLIENT on 11-AUG-10 Matrix: LIVER							
Metals							
Aluminum (Al)-Total	<3.0		3.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Beryllium (Be)-Total	<0.050		0.050	mg/kg	17-NOV-10	19-NOV-10	R1631334
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	76		50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	0.054		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.017		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	<0.40		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334
Iron (Fe)-Total	164		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	2960		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	2890		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	158		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	1.72		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.130		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Rubidium (Rb)-Total	5.54		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.080		0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	0.13		0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	0.027		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.060		0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	20.4		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
L949412-66 046B_7 RNWH Sampled By: CLIENT on 17-AUG-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.30	DLA	0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	<0.20	DLA	0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<5.0	DLA	1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<2.0	DLA	0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<1.0	DLA	0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	3.25		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	1230		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	<0.50	DLA	0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	<0.30	DLA	0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Note: Insufficient sample submitted to provide method DLs.							
Metals							
Silver (Ag)-Total	<5.0	DLA	1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Aluminum (Al)-Total	<20	DLA	3.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Beryllium (Be)-Total	<0.20	DLA	0.050	mg/kg	17-NOV-10	19-NOV-10	R1631334
Bismuth (Bi)-Total	<0.10	DLA	0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	<200	DLA	50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	<0.10	DLA	0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	<0.10	DLA	0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.377		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<1.0	DLA	0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	3.17		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-66 046B_7 RNWH Sampled By: CLIENT on 17-AUG-10 Matrix: LIVER							
Metals							
Iron (Fe)-Total	174		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	2760		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	3460		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	185		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	2.81		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.229		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	<1.0	DLA	0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Rubidium (Rb)-Total	3.00		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.40	DLA	0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<5.0	DLA	1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	<0.50	DLA	0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	<0.10	DLA	0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.30	DLA	0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	30.3		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Note: Insufficient sample submitted to provide method DLs.							
L949412-67 046B_7 RNWH Sampled By: CLIENT on 17-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	0.052		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	1.32		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	457		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	<0.10		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	112		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.054		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4230		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2490		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	321		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	0.39		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	3.12		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-69 046B_8 RNWH Sampled By: CLIENT on 17-AUG-10 Matrix: TISSUE							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	127		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.025		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.012		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4270		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2710		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	331		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	3.70		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	0.18		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	0.85		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	1.76		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	303		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	0.19		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Miscellaneous Parameters							
Mercury (Hg)	0.0468		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-70 048A_6 RNWH Sampled By: CLIENT on 19-AUG-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Aluminum (Al)-Total	<3.0		3.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Beryllium (Be)-Total	<0.050		0.050	mg/kg	17-NOV-10	19-NOV-10	R1631334
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	136		50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	0.064		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.055		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	0.93		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-70 048A_6 RNWH Sampled By: CLIENT on 19-AUG-10 Matrix: LIVER							
Metals							
Iron (Fe)-Total	195		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	3400		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	3750		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	217		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	1.90		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.158		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Rubidium (Rb)-Total	3.82		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.080		0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	0.25		0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	0.045		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.060		0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	22.0		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	<0.050		0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<1.0		1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.50		0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.20		0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	3.15		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	1000		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.12		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
L949412-71 048A_6 RNWH Sampled By: CLIENT on 19-AUG-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	94		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.021		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.012		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	0.27		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	0.43		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	3830		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2520		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	289		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	3.31		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	0.12		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-75 056A_17 RNWH Sampled By: CLIENT on 20-AUG-10 Matrix: TISSUE							
Metals							
Titanium (Ti)-Total	<0.10		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	140		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.022		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.041		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	3910		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2550		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	296		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	0.25		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	2.54		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	0.21		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Miscellaneous Parameters							
Mercury (Hg)	0.0171		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-76 161B_2 RNWH Sampled By: CLIENT on 04-SEP-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Aluminum (Al)-Total	5.1		3.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Beryllium (Be)-Total	<0.050		0.050	mg/kg	17-NOV-10	19-NOV-10	R1631334
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	66		50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	0.099		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	0.030		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.057		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	1.26		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334
Iron (Fe)-Total	100		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	3510		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	3910		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	215		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	3.30		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.104		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-76 161B_2 RNWH Sampled By: CLIENT on 04-SEP-10 Matrix: LIVER							
Metals							
Rubidium (Rb)-Total	11.0		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.080		0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	0.12		0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.060		0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	19.4		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	<0.050		0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<1.0		1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.50		0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.20		0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	1.86		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	1210		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.16		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
L949412-77 161B_2 RNWH Sampled By: CLIENT on 04-SEP-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	512		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.053		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	4030		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2660		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	304		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	0.38		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	4.33		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	1.12		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-80 180D_4 RNWH Sampled By: CLIENT on 11-SEP-10 Matrix: LIVER Note: Insufficient sample submitted to provide method DLs.							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Aluminum (Al)-Total	<4.0	DLA	3.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Beryllium (Be)-Total	<0.070	DLA	0.050	mg/kg	17-NOV-10	19-NOV-10	R1631334
Bismuth (Bi)-Total	<0.030	DLA	0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	427		50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	0.066		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	<0.030	DLA	0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.193		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<0.30	DLA	0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	1.98		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334
Iron (Fe)-Total	141		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	2850		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	4080		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	194		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	4.27		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.181		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	0.37		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Rubidium (Rb)-Total	3.99		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.10	DLA	0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	0.20		0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	0.050		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.080	DLA	0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	25.3		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Note: Insufficient sample submitted to provide method DLs.							
L949412-81 180D_4 RNWH Sampled By: CLIENT on 11-SEP-10 Matrix: TISSUE Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323
Barium (Ba)-Total	<0.50		0.50	mg/kg	09-NOV-10	09-NOV-10	R1598323
Lead (Pb)-Total	<0.20		0.20	mg/kg	09-NOV-10	09-NOV-10	R1598323
Selenium (Se)-Total	1.35		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Sodium (Na)-Total	377		10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Titanium (Ti)-Total	0.10		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	78		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.025		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.025		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-85 200D_1 RNWH Sampled By: CLIENT on 13-SEP-10 Matrix: TISSUE							
Metals							
Titanium (Ti)-Total	0.23		0.10	mg/kg	09-NOV-10	09-NOV-10	R1598323
Thallium (Tl)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	59		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.032		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	0.026		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	0.44		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	3880		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2460		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	284		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	0.24		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	3.40		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	<0.10		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Miscellaneous Parameters							
Mercury (Hg)	0.0275		0.0010	mg/kg	10-NOV-10	29-NOV-10	R1681764
L949412-86 202A_1 RNWH Sampled By: CLIENT on 10-SEP-10 Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Aluminum (Al)-Total	3.5		3.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Beryllium (Be)-Total	<0.050		0.050	mg/kg	17-NOV-10	19-NOV-10	R1631334
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Calcium (Ca)-Total	71		50	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cadmium (Cd)-Total	0.127		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cesium (Cs)-Total	0.025		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Cobalt (Co)-Total	0.053		0.010	mg/kg	17-NOV-10	19-NOV-10	R1631334
Chromium (Cr)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Copper (Cu)-Total	1.53		0.40	mg/kg	17-NOV-10	19-NOV-10	R1631334
Iron (Fe)-Total	72		20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Potassium (K)-Total	3950		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Phosphorus (P)-Total	4380		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Magnesium (Mg)-Total	242		10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Manganese (Mn)-Total	2.87		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Molybdenum (Mo)-Total	0.137		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Nickel (Ni)-Total	<0.20		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-86 202A_1 RNWH Sampled By: CLIENT on 10-SEP-10 Matrix: LIVER							
Metals							
Rubidium (Rb)-Total	10.3		0.20	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tellurium (Te)-Total	<0.080		0.080	mg/kg	17-NOV-10	19-NOV-10	R1631334
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Strontium (Sr)-Total	0.11		0.10	mg/kg	17-NOV-10	19-NOV-10	R1631334
Uranium (U)-Total	0.022		0.020	mg/kg	17-NOV-10	19-NOV-10	R1631334
Vanadium (V)-Total	<0.060		0.060	mg/kg	17-NOV-10	19-NOV-10	R1631334
Zinc (Zn)-Total	23.0		5.0	mg/kg	17-NOV-10	19-NOV-10	R1631334
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	<0.050		0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<1.0		1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.50		0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.20		0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	2.47		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	860		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.14		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	0.062		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
L949412-87 202A_1 RNWH Sampled By: CLIENT on 10-SEP-10 Matrix: TISSUE							
Metal Scan in tissue (wet weight)							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Aluminum (Al)-Total	<3.0		3.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Beryllium (Be)-Total	<0.050		0.050	mg/kg	09-NOV-10	10-NOV-10	R1598924
Bismuth (Bi)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Calcium (Ca)-Total	<50		50	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cadmium (Cd)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cesium (Cs)-Total	0.036		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Cobalt (Co)-Total	<0.010		0.010	mg/kg	09-NOV-10	10-NOV-10	R1598924
Chromium (Cr)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Copper (Cu)-Total	<0.40		0.40	mg/kg	09-NOV-10	10-NOV-10	R1598924
Iron (Fe)-Total	<20		20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Potassium (K)-Total	3810		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Phosphorus (P)-Total	2600		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Magnesium (Mg)-Total	283		10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Manganese (Mn)-Total	0.45		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Molybdenum (Mo)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Nickel (Ni)-Total	<0.20		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Rubidium (Rb)-Total	3.78		0.20	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tellurium (Te)-Total	<0.080		0.080	mg/kg	09-NOV-10	10-NOV-10	R1598924
Tin (Sn)-Total	<1.0		1.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Strontium (Sr)-Total	0.11		0.10	mg/kg	09-NOV-10	10-NOV-10	R1598924
Uranium (U)-Total	<0.020		0.020	mg/kg	09-NOV-10	10-NOV-10	R1598924
Vanadium (V)-Total	<0.060		0.060	mg/kg	09-NOV-10	10-NOV-10	R1598924
Zinc (Zn)-Total	<5.0		5.0	mg/kg	09-NOV-10	10-NOV-10	R1598924
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	09-NOV-10	09-NOV-10	R1598323
Arsenic (As)-Total	<0.050		0.050	mg/kg	09-NOV-10	09-NOV-10	R1598323
Boron (B)-Total	<1.0		1.0	mg/kg	09-NOV-10	09-NOV-10	R1598323

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-90 DUP 03 Sampled By: CLIENT Matrix: TISSUE Metals Copper (Cu)-Total Iron (Fe)-Total Potassium (K)-Total Phosphorus (P)-Total Magnesium (Mg)-Total Manganese (Mn)-Total Molybdenum (Mo)-Total Nickel (Ni)-Total Rubidium (Rb)-Total Tellurium (Te)-Total Tin (Sn)-Total Strontium (Sr)-Total Uranium (U)-Total Vanadium (V)-Total Zinc (Zn)-Total Metals Antimony (Sb)-Total Arsenic (As)-Total Boron (B)-Total Barium (Ba)-Total Lead (Pb)-Total Selenium (Se)-Total Sodium (Na)-Total Titanium (Ti)-Total Thallium (Tl)-Total Miscellaneous Parameters Mercury (Hg)	<0.40 <20 4390 2680 311 <0.20 <0.020 <0.20 6.66 <0.080 <1.0 <0.10 <0.020 <0.060 <5.0 <0.060 <0.050 <1.0 <0.50 <0.20 0.47 232 0.10 <0.060 0.0505			mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 10-NOV-10	10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 29-NOV-10	R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598323 R1598323 R1598323 R1598323 R1598323 R1598323 R1598323 R1598323 R1681764
L949412-91 DUP 04 Sampled By: CLIENT Matrix: TISSUE Metal Scan in tissue (wet weight) Metals Antimony (Sb)-Total Arsenic (As)-Total Boron (B)-Total Barium (Ba)-Total Lead (Pb)-Total Selenium (Se)-Total Sodium (Na)-Total Titanium (Ti)-Total Thallium (Tl)-Total Metals Silver (Ag)-Total Aluminum (Al)-Total Beryllium (Be)-Total Bismuth (Bi)-Total Calcium (Ca)-Total Cadmium (Cd)-Total Cesium (Cs)-Total Cobalt (Co)-Total Chromium (Cr)-Total	<0.060 <0.050 <1.0 <0.50 <0.20 0.53 478 <0.10 <0.060 <1.0 <3.0 <0.050 <0.020 60 <0.020 0.046 0.012 1.82			mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg mg/kg	09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10	09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 09-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10 10-NOV-10	R1598323 R1598323 R1598323 R1598323 R1598323 R1598323 R1598323 R1598323 R1598323 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924 R1598924

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Note: Insufficient sample submitted to provide method DLs.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-95 DUP 08 Sampled By: CLIENT Matrix: LIVER							
Metals							
Copper (Cu)-Total	0.87		0.40	mg/kg	17-NOV-10	19-NOV-10	R1632164
Iron (Fe)-Total	79		20	mg/kg	17-NOV-10	19-NOV-10	R1632164
Potassium (K)-Total	4050		10	mg/kg	17-NOV-10	19-NOV-10	R1632164
Phosphorus (P)-Total	4220		10	mg/kg	17-NOV-10	19-NOV-10	R1632164
Magnesium (Mg)-Total	235		10	mg/kg	17-NOV-10	19-NOV-10	R1632164
Manganese (Mn)-Total	2.91		0.20	mg/kg	17-NOV-10	19-NOV-10	R1632164
Molybdenum (Mo)-Total	0.143		0.020	mg/kg	17-NOV-10	19-NOV-10	R1632164
Nickel (Ni)-Total	0.26		0.20	mg/kg	17-NOV-10	19-NOV-10	R1632164
Rubidium (Rb)-Total	10.8		0.20	mg/kg	17-NOV-10	19-NOV-10	R1632164
Tellurium (Te)-Total	<0.080		0.080	mg/kg	17-NOV-10	19-NOV-10	R1632164
Tin (Sn)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1632164
Strontium (Sr)-Total	0.12		0.10	mg/kg	17-NOV-10	19-NOV-10	R1632164
Uranium (U)-Total	0.023		0.020	mg/kg	17-NOV-10	19-NOV-10	R1632164
Vanadium (V)-Total	<0.060		0.060	mg/kg	17-NOV-10	19-NOV-10	R1632164
Zinc (Zn)-Total	23.3		5.0	mg/kg	17-NOV-10	19-NOV-10	R1632164
Metals							
Antimony (Sb)-Total	<0.060		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	<0.050		0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<1.0		1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.50		0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.20		0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	2.66		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	909		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.18		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	0.066		0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
L949412-96 DUP 09 Sampled By: CLIENT Matrix: LIVER							
Metal Scan in tissue (wet weight)							
Metals							
Antimony (Sb)-Total	<0.090	DLA	0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Arsenic (As)-Total	<0.080	DLA	0.050	mg/kg	17-NOV-10	18-NOV-10	R1626923
Boron (B)-Total	<2.0	DLA	1.0	mg/kg	17-NOV-10	18-NOV-10	R1626923
Barium (Ba)-Total	<0.80	DLA	0.50	mg/kg	17-NOV-10	18-NOV-10	R1626923
Lead (Pb)-Total	<0.30	DLA	0.20	mg/kg	17-NOV-10	18-NOV-10	R1626923
Selenium (Se)-Total	2.92		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Sodium (Na)-Total	1400		10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Titanium (Ti)-Total	0.17		0.10	mg/kg	17-NOV-10	18-NOV-10	R1626923
Thallium (Tl)-Total	<0.090	DLA	0.060	mg/kg	17-NOV-10	18-NOV-10	R1626923
Note: Insufficient sample submitted to provide method DLs.							
Metals							
Silver (Ag)-Total	<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1632164
Aluminum (Al)-Total	4.2		3.0	mg/kg	17-NOV-10	19-NOV-10	R1632164
Beryllium (Be)-Total	<0.060	DLA	0.050	mg/kg	17-NOV-10	19-NOV-10	R1632164
Bismuth (Bi)-Total	<0.030	DLA	0.020	mg/kg	17-NOV-10	19-NOV-10	R1632164
Calcium (Ca)-Total	93		50	mg/kg	17-NOV-10	19-NOV-10	R1632164
Cadmium (Cd)-Total	0.086		0.020	mg/kg	17-NOV-10	19-NOV-10	R1632164
Cesium (Cs)-Total	<0.030	DLA	0.020	mg/kg	17-NOV-10	19-NOV-10	R1632164
Cobalt (Co)-Total	0.074		0.010	mg/kg	17-NOV-10	19-NOV-10	R1632164
Chromium (Cr)-Total	<0.30	DLA	0.20	mg/kg	17-NOV-10	19-NOV-10	R1632164

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L949412-97	DUP 10							
Sampled By:	CLIENT							
Matrix:	LIVER							
Metals								
Tellurium (Te)-Total		<0.080		0.080	mg/kg	17-NOV-10	19-NOV-10	R1632164
Tin (Sn)-Total		<1.0		1.0	mg/kg	17-NOV-10	19-NOV-10	R1632164
Strontium (Sr)-Total		0.11		0.10	mg/kg	17-NOV-10	19-NOV-10	R1632164
Uranium (U)-Total		<0.020		0.020	mg/kg	17-NOV-10	19-NOV-10	R1632164
Vanadium (V)-Total		<0.060		0.060	mg/kg	17-NOV-10	19-NOV-10	R1632164
Zinc (Zn)-Total		19.2		5.0	mg/kg	17-NOV-10	19-NOV-10	R1632164

Reference Information

Sample Parameter Qualifier Key:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
HG-WET-CVAF-WP	Tissue	Mercury in Tissue	EPA 200.3
This analysis is carried out using procedures adapted from EPA Method 200.3 "Procedure for Spectrochemical Determination of Total Recoverable Elements in Biological Tissues".			
MET-WET-DA-LOW-WP	Tissue	Metals	EPA SW846 3050B Rev 2 1996
Samples are digested by dry ash and analyzed on a wet weight basis.			
MET-WET-HP-LOW-WP	Tissue	Metals	EPA SW846 3050B Rev 2 1996
Samples are digested by hydrogen peroxide and analyzed on a wet weight basis.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WP	ALS LABORATORY GROUP - WINNIPEG, MANITOBA, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg ww - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Quality Control Report

Workorder: L949412

Report Date: 02-DEC-10

Page 1 of 27

Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
HG-WET-CVAF-WP		Tissue						
Batch	R1681764							
WG1210928-2	CRM	APPLELEAF						
Mercury (Hg)			87		%		70-130	29-NOV-10
WG1210928-3	CRM	TORT-2						
Mercury (Hg)			104		%		70-130	29-NOV-10
WG1210928-4	CRM	DORM-3						
Mercury (Hg)			92		%		70-130	29-NOV-10
WG1210928-5	DUP	L949412-17						
Mercury (Hg)		0.0613	0.0607		mg/kg	0.90	25	29-NOV-10
WG1210928-6	DUP	L949412-42						
Mercury (Hg)		0.130	0.124		mg/kg	4.8	25	29-NOV-10
WG1210928-7	DUP	L949412-64						
Mercury (Hg)		0.0440	0.0461		mg/kg	4.6	25	29-NOV-10
WG1210928-1	MB							
Mercury (Hg)			<0.0010		mg/kg		0.001	29-NOV-10
MET-WET-DA-LOW-WP		Tissue						
Batch	R1598924							
WG1201800-3	CCV							
Silver (Ag)-Total			101		%		70-130	10-NOV-10
Aluminum (Al)-Total			98		%		70-130	10-NOV-10
Beryllium (Be)-Total			99		%		70-130	10-NOV-10
Bismuth (Bi)-Total			102		%		70-130	10-NOV-10
Calcium (Ca)-Total			99		%		70-130	10-NOV-10
Cadmium (Cd)-Total			102		%		70-130	10-NOV-10
Cesium (Cs)-Total			101		%		70-130	10-NOV-10
Cobalt (Co)-Total			101		%		70-130	10-NOV-10
Chromium (Cr)-Total			101		%		70-130	10-NOV-10
Copper (Cu)-Total			102		%		70-130	10-NOV-10
Iron (Fe)-Total			99		%		70-130	10-NOV-10
Potassium (K)-Total			99		%		70-130	10-NOV-10
Phosphorus (P)-Total			98		%		70-130	10-NOV-10
Magnesium (Mg)-Total			101		%		70-130	10-NOV-10
Manganese (Mn)-Total			100		%		70-130	10-NOV-10
Molybdenum (Mo)-Total			99		%		70-130	10-NOV-10
Nickel (Ni)-Total			100		%		70-130	10-NOV-10
Rubidium (Rb)-Total			102		%		70-130	10-NOV-10
Tellurium (Te)-Total			102		%		70-130	10-NOV-10



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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1598924							
WG1201800-3	CCV							
Tin (Sn)-Total			103		%		70-130	10-NOV-10
Strontium (Sr)-Total			101		%		70-130	10-NOV-10
Uranium (U)-Total			100		%		70-130	10-NOV-10
Vanadium (V)-Total			100		%		70-130	10-NOV-10
Zinc (Zn)-Total			101		%		70-130	10-NOV-10
WG1200874-2	CRM	APPLELEAF						
Calcium (Ca)-Total			97		%		60-140	10-NOV-10
Copper (Cu)-Total			94		%		60-140	10-NOV-10
Iron (Fe)-Total			92		%		60-140	10-NOV-10
Potassium (K)-Total			96		%		60-140	10-NOV-10
Phosphorus (P)-Total			97		%		60-140	10-NOV-10
Magnesium (Mg)-Total			93		%		60-140	10-NOV-10
Manganese (Mn)-Total			102		%		60-140	10-NOV-10
Molybdenum (Mo)-Total			87		%		60-140	10-NOV-10
Nickel (Ni)-Total			108		%		60-140	10-NOV-10
Rubidium (Rb)-Total			94		%		60-140	10-NOV-10
Strontium (Sr)-Total			95		%		60-140	10-NOV-10
Zinc (Zn)-Total			91		%		60-140	10-NOV-10
WG1201800-1	CVS							
Silver (Ag)-Total			101		%		70-130	10-NOV-10
Aluminum (Al)-Total			98		%		70-130	10-NOV-10
Beryllium (Be)-Total			96		%		70-130	10-NOV-10
Bismuth (Bi)-Total			99		%		70-130	10-NOV-10
Calcium (Ca)-Total			98		%		70-130	10-NOV-10
Cadmium (Cd)-Total			101		%		70-130	10-NOV-10
Cesium (Cs)-Total			100		%		70-130	10-NOV-10
Cobalt (Co)-Total			100		%		70-130	10-NOV-10
Chromium (Cr)-Total			99		%		70-130	10-NOV-10
Copper (Cu)-Total			99		%		70-130	10-NOV-10
Iron (Fe)-Total			97		%		70-130	10-NOV-10
Potassium (K)-Total			99		%		70-130	10-NOV-10
Phosphorus (P)-Total			97		%		70-130	10-NOV-10
Magnesium (Mg)-Total			100		%		70-130	10-NOV-10
Manganese (Mn)-Total			99		%		70-130	10-NOV-10



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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1598924							
WG1201800-1	CVS							
Molybdenum (Mo)-Total			102		%		70-130	10-NOV-10
Nickel (Ni)-Total			98		%		70-130	10-NOV-10
Rubidium (Rb)-Total			100		%		70-130	10-NOV-10
Tellurium (Te)-Total			100		%		70-130	10-NOV-10
Tin (Sn)-Total			104		%		70-130	10-NOV-10
Strontium (Sr)-Total			101		%		70-130	10-NOV-10
Uranium (U)-Total			97		%		70-130	10-NOV-10
Vanadium (V)-Total			97		%		70-130	10-NOV-10
Zinc (Zn)-Total			100		%		70-130	10-NOV-10
WG1201800-2	CVS							
Silver (Ag)-Total			98		%		70-130	10-NOV-10
Aluminum (Al)-Total			104		%		70-130	10-NOV-10
Beryllium (Be)-Total			101		%		70-130	10-NOV-10
Bismuth (Bi)-Total			104		%		70-130	10-NOV-10
Calcium (Ca)-Total			105		%		70-130	10-NOV-10
Cadmium (Cd)-Total			100		%		70-130	10-NOV-10
Cesium (Cs)-Total			104		%		70-130	10-NOV-10
Cobalt (Co)-Total			101		%		70-130	10-NOV-10
Chromium (Cr)-Total			102		%		70-130	10-NOV-10
Copper (Cu)-Total			101		%		70-130	10-NOV-10
Iron (Fe)-Total			104		%		70-130	10-NOV-10
Potassium (K)-Total			104		%		70-130	10-NOV-10
Phosphorus (P)-Total			100		%		70-130	10-NOV-10
Magnesium (Mg)-Total			103		%		70-130	10-NOV-10
Manganese (Mn)-Total			108		%		70-130	10-NOV-10
Molybdenum (Mo)-Total			101		%		70-130	10-NOV-10
Nickel (Ni)-Total			99		%		70-130	10-NOV-10
Rubidium (Rb)-Total			105		%		70-130	10-NOV-10
Tellurium (Te)-Total			104		%		70-130	10-NOV-10
Tin (Sn)-Total			100		%		70-130	10-NOV-10
Strontium (Sr)-Total			104		%		70-130	10-NOV-10
Uranium (U)-Total			105		%		70-130	10-NOV-10
Vanadium (V)-Total			101		%		70-130	10-NOV-10
Zinc (Zn)-Total			101		%		70-130	10-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1598924							
WG1200874-4	DUP	WG1200874-3						
Silver (Ag)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
Aluminum (Al)-Total		<3.0	<3.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
Beryllium (Be)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	10-NOV-10
Bismuth (Bi)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Calcium (Ca)-Total		63	69		mg/kg	8.3	400	10-NOV-10
Cadmium (Cd)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Cesium (Cs)-Total		0.025	0.022		mg/kg	14	400	10-NOV-10
Cobalt (Co)-Total		<0.010	<0.010	RPD-NA	mg/kg	N/A	400	10-NOV-10
Chromium (Cr)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Copper (Cu)-Total		<0.40	0.44	RPD-NA	mg/kg	N/A	400	10-NOV-10
Iron (Fe)-Total		<20	<20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Potassium (K)-Total		3540	3620		mg/kg	2.3	40	10-NOV-10
Phosphorus (P)-Total		2170	2210		mg/kg	2.0	30	10-NOV-10
Magnesium (Mg)-Total		248	263		mg/kg	5.5	30	10-NOV-10
Manganese (Mn)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Molybdenum (Mo)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Nickel (Ni)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Rubidium (Rb)-Total		4.48	4.40		mg/kg	1.9	30	10-NOV-10
Tellurium (Te)-Total		<0.080	<0.080	RPD-NA	mg/kg	N/A	400	10-NOV-10
Tin (Sn)-Total		3.0	1.9		mg/kg	48	400	10-NOV-10
Strontium (Sr)-Total		<0.10	<0.10	RPD-NA	mg/kg	N/A	400	10-NOV-10
Uranium (U)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Vanadium (V)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	10-NOV-10
Zinc (Zn)-Total		<5.0	<5.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
WG1200874-6	DUP	WG1200874-5						
Silver (Ag)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
Aluminum (Al)-Total		<3.0	<3.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
Beryllium (Be)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	10-NOV-10
Bismuth (Bi)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Calcium (Ca)-Total		94	70		mg/kg	29	400	10-NOV-10
Cadmium (Cd)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Cesium (Cs)-Total		0.021	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Cobalt (Co)-Total		0.012	<0.010	RPD-NA	mg/kg	N/A	400	10-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1598924							
WG1200874-6	DUP	WG1200874-5						
Chromium (Cr)-Total		0.27	<0.20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Copper (Cu)-Total		0.43	<0.40	RPD-NA	mg/kg	N/A	400	10-NOV-10
Iron (Fe)-Total		<20	<20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Potassium (K)-Total		3830	3940		mg/kg	2.7	40	10-NOV-10
Phosphorus (P)-Total		2520	2480		mg/kg	1.9	30	10-NOV-10
Magnesium (Mg)-Total		289	285		mg/kg	1.5	30	10-NOV-10
Manganese (Mn)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Molybdenum (Mo)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Nickel (Ni)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Rubidium (Rb)-Total		3.31	3.38		mg/kg	2.3	30	10-NOV-10
Tellurium (Te)-Total		<0.080	<0.080	RPD-NA	mg/kg	N/A	400	10-NOV-10
Tin (Sn)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
Strontium (Sr)-Total		0.12	<0.10	RPD-NA	mg/kg	N/A	400	10-NOV-10
Uranium (U)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Vanadium (V)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	10-NOV-10
Zinc (Zn)-Total		<5.0	<5.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
WG1200874-8	DUP	WG1200874-7						
Silver (Ag)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
Aluminum (Al)-Total		<3.0	<3.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
Beryllium (Be)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	10-NOV-10
Bismuth (Bi)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Calcium (Ca)-Total		<50	89	RPD-NA	mg/kg	N/A	400	10-NOV-10
Cadmium (Cd)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Cesium (Cs)-Total		0.036	0.033		mg/kg	9.9	400	10-NOV-10
Cobalt (Co)-Total		<0.010	0.016	RPD-NA	mg/kg	N/A	400	10-NOV-10
Chromium (Cr)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Copper (Cu)-Total		<0.40	<0.40	RPD-NA	mg/kg	N/A	400	10-NOV-10
Iron (Fe)-Total		<20	<20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Potassium (K)-Total		3810	3930		mg/kg	3.1	40	10-NOV-10
Phosphorus (P)-Total		2600	2480		mg/kg	4.8	30	10-NOV-10
Magnesium (Mg)-Total		283	268		mg/kg	5.3	30	10-NOV-10
Manganese (Mn)-Total		0.45	0.38		mg/kg	16	400	10-NOV-10
Molybdenum (Mo)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1598924							
WG1200874-8	DUP	WG1200874-7						
Nickel (Ni)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	10-NOV-10
Rubidium (Rb)-Total		3.78	3.73		mg/kg	1.5	30	10-NOV-10
Tellurium (Te)-Total		<0.080	<0.080	RPD-NA	mg/kg	N/A	400	10-NOV-10
Tin (Sn)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
Strontium (Sr)-Total		0.11	0.13		mg/kg	17	400	10-NOV-10
Uranium (U)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	10-NOV-10
Vanadium (V)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	10-NOV-10
Zinc (Zn)-Total		<5.0	<5.0	RPD-NA	mg/kg	N/A	400	10-NOV-10
WG1200874-1	MB							
Silver (Ag)-Total			<1.0		mg/kg		1	10-NOV-10
Aluminum (Al)-Total			<3.0		mg/kg		3	10-NOV-10
Beryllium (Be)-Total			<0.050		mg/kg		0.05	10-NOV-10
Bismuth (Bi)-Total			<0.020		mg/kg		0.02	10-NOV-10
Calcium (Ca)-Total			<50		mg/kg		50	10-NOV-10
Cadmium (Cd)-Total			<0.020		mg/kg		0.02	10-NOV-10
Cesium (Cs)-Total			<0.020		mg/kg		0.02	10-NOV-10
Cobalt (Co)-Total			<0.010		mg/kg		0.01	10-NOV-10
Chromium (Cr)-Total			<0.20		mg/kg		0.2	10-NOV-10
Copper (Cu)-Total			<0.40		mg/kg		0.4	10-NOV-10
Iron (Fe)-Total			<20		mg/kg		20	10-NOV-10
Potassium (K)-Total			<10		mg/kg		10	10-NOV-10
Phosphorus (P)-Total			<10		mg/kg		10	10-NOV-10
Magnesium (Mg)-Total			<10		mg/kg		10	10-NOV-10
Manganese (Mn)-Total			<0.20		mg/kg		0.2	10-NOV-10
Molybdenum (Mo)-Total			<0.020		mg/kg		0.02	10-NOV-10
Nickel (Ni)-Total			<0.20		mg/kg		0.2	10-NOV-10
Rubidium (Rb)-Total			<0.20		mg/kg		0.2	10-NOV-10
Tellurium (Te)-Total			<0.080		mg/kg		0.08	10-NOV-10
Tin (Sn)-Total			<1.0		mg/kg		1	10-NOV-10
Strontium (Sr)-Total			<0.10		mg/kg		0.1	10-NOV-10
Uranium (U)-Total			<0.020		mg/kg		0.02	10-NOV-10
Vanadium (V)-Total			<0.060		mg/kg		0.06	10-NOV-10
Zinc (Zn)-Total			<5.0		mg/kg		5	10-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1624624							
WG1204776-3	CCV							
Silver (Ag)-Total			99		%		70-130	17-NOV-10
Aluminum (Al)-Total			95		%		70-130	17-NOV-10
Beryllium (Be)-Total			100		%		70-130	17-NOV-10
Bismuth (Bi)-Total			102		%		70-130	17-NOV-10
Calcium (Ca)-Total			100		%		70-130	17-NOV-10
Cadmium (Cd)-Total			99		%		70-130	17-NOV-10
Cesium (Cs)-Total			103		%		70-130	17-NOV-10
Cobalt (Co)-Total			101		%		70-130	17-NOV-10
Chromium (Cr)-Total			99		%		70-130	17-NOV-10
Copper (Cu)-Total			102		%		70-130	17-NOV-10
Iron (Fe)-Total			101		%		70-130	17-NOV-10
Potassium (K)-Total			100		%		70-130	17-NOV-10
Phosphorus (P)-Total			102		%		70-130	17-NOV-10
Magnesium (Mg)-Total			101		%		70-130	17-NOV-10
Manganese (Mn)-Total			100		%		70-130	17-NOV-10
Molybdenum (Mo)-Total			100		%		70-130	17-NOV-10
Nickel (Ni)-Total			101		%		70-130	17-NOV-10
Rubidium (Rb)-Total			101		%		70-130	17-NOV-10
Tellurium (Te)-Total			100		%		70-130	17-NOV-10
Tin (Sn)-Total			102		%		70-130	17-NOV-10
Strontium (Sr)-Total			101		%		70-130	17-NOV-10
Uranium (U)-Total			99		%		70-130	17-NOV-10
Vanadium (V)-Total			99		%		70-130	17-NOV-10
Zinc (Zn)-Total			99		%		70-130	17-NOV-10
WG1204392-2	CRM	APPLELEAF						
Aluminum (Al)-Total			95		%		60-140	17-NOV-10
Calcium (Ca)-Total			97		%		60-140	17-NOV-10
Copper (Cu)-Total			100		%		60-140	17-NOV-10
Iron (Fe)-Total			99		%		60-140	17-NOV-10
Potassium (K)-Total			100		%		60-140	17-NOV-10
Phosphorus (P)-Total			100		%		60-140	17-NOV-10
Magnesium (Mg)-Total			98		%		60-140	17-NOV-10
Manganese (Mn)-Total			97		%		60-140	17-NOV-10
Molybdenum (Mo)-Total			93		%		60-140	17-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP								
	Tissue							
Batch	R1624624							
WG1204392-2 CRM		APPLELEAF						
Nickel (Ni)-Total			113		%		60-140	17-NOV-10
Rubidium (Rb)-Total			93		%		60-140	17-NOV-10
Strontium (Sr)-Total			94		%		60-140	17-NOV-10
Zinc (Zn)-Total			97		%		60-140	17-NOV-10
WG1204776-1 CVS								
Silver (Ag)-Total			100		%		70-130	17-NOV-10
Aluminum (Al)-Total			98		%		70-130	17-NOV-10
Beryllium (Be)-Total			102		%		70-130	17-NOV-10
Bismuth (Bi)-Total			101		%		70-130	17-NOV-10
Calcium (Ca)-Total			101		%		70-130	17-NOV-10
Cadmium (Cd)-Total			101		%		70-130	17-NOV-10
Cesium (Cs)-Total			103		%		70-130	17-NOV-10
Cobalt (Co)-Total			104		%		70-130	17-NOV-10
Chromium (Cr)-Total			103		%		70-130	17-NOV-10
Copper (Cu)-Total			102		%		70-130	17-NOV-10
Iron (Fe)-Total			102		%		70-130	17-NOV-10
Potassium (K)-Total			103		%		70-130	17-NOV-10
Phosphorus (P)-Total			100		%		70-130	17-NOV-10
Magnesium (Mg)-Total			104		%		70-130	17-NOV-10
Manganese (Mn)-Total			104		%		70-130	17-NOV-10
Molybdenum (Mo)-Total			101		%		70-130	17-NOV-10
Nickel (Ni)-Total			103		%		70-130	17-NOV-10
Rubidium (Rb)-Total			101		%		70-130	17-NOV-10
Tellurium (Te)-Total			101		%		70-130	17-NOV-10
Tin (Sn)-Total			103		%		70-130	17-NOV-10
Strontium (Sr)-Total			102		%		70-130	17-NOV-10
Uranium (U)-Total			98		%		70-130	17-NOV-10
Vanadium (V)-Total			102		%		70-130	17-NOV-10
Zinc (Zn)-Total			102		%		70-130	17-NOV-10
WG1204776-2 CVS								
Silver (Ag)-Total			98		%		70-130	17-NOV-10
Aluminum (Al)-Total			106		%		70-130	17-NOV-10
Beryllium (Be)-Total			99		%		70-130	17-NOV-10
Bismuth (Bi)-Total			105		%		70-130	17-NOV-10



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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP Tissue								
Batch	R1624624							
WG1204776-2 CVS								
Calcium (Ca)-Total			105		%		70-130	17-NOV-10
Cadmium (Cd)-Total			100		%		70-130	17-NOV-10
Cesium (Cs)-Total			105		%		70-130	17-NOV-10
Cobalt (Co)-Total			101		%		70-130	17-NOV-10
Chromium (Cr)-Total			99		%		70-130	17-NOV-10
Copper (Cu)-Total			99		%		70-130	17-NOV-10
Iron (Fe)-Total			102		%		70-130	17-NOV-10
Potassium (K)-Total			106		%		70-130	17-NOV-10
Phosphorus (P)-Total			103		%		70-130	17-NOV-10
Magnesium (Mg)-Total			103		%		70-130	17-NOV-10
Manganese (Mn)-Total			104		%		70-130	17-NOV-10
Molybdenum (Mo)-Total			99		%		70-130	17-NOV-10
Nickel (Ni)-Total			99		%		70-130	17-NOV-10
Rubidium (Rb)-Total			103		%		70-130	17-NOV-10
Tellurium (Te)-Total			102		%		70-130	17-NOV-10
Tin (Sn)-Total			100		%		70-130	17-NOV-10
Strontium (Sr)-Total			105		%		70-130	17-NOV-10
Uranium (U)-Total			105		%		70-130	17-NOV-10
Vanadium (V)-Total			101		%		70-130	17-NOV-10
Zinc (Zn)-Total			101		%		70-130	17-NOV-10
WG1204392-4 DUP		WG1204392-3						
Silver (Ag)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	17-NOV-10
Aluminum (Al)-Total		<3.0	<3.0	RPD-NA	mg/kg	N/A	400	17-NOV-10
Beryllium (Be)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	17-NOV-10
Bismuth (Bi)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	17-NOV-10
Calcium (Ca)-Total		88	88		mg/kg	0.24	400	17-NOV-10
Cadmium (Cd)-Total		0.164	0.176		mg/kg	7.1	30	17-NOV-10
Cesium (Cs)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	17-NOV-10
Cobalt (Co)-Total		0.075	0.079		mg/kg	4.8	30	17-NOV-10
Chromium (Cr)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	17-NOV-10
Copper (Cu)-Total		1.25	1.38		mg/kg	10	400	17-NOV-10
Iron (Fe)-Total		455	592		mg/kg	26	30	17-NOV-10
Potassium (K)-Total		3550	3840		mg/kg	7.8	40	17-NOV-10

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83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1624624							
WG1204392-4	DUP	WG1204392-3						
Phosphorus (P)-Total		3840	4210		mg/kg	9.2	30	17-NOV-10
Magnesium (Mg)-Total		212	234		mg/kg	9.9	30	17-NOV-10
Manganese (Mn)-Total		2.34	2.47		mg/kg	5.5	30	17-NOV-10
Molybdenum (Mo)-Total		0.134	0.120		mg/kg	11	40	17-NOV-10
Nickel (Ni)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	17-NOV-10
Rubidium (Rb)-Total		8.68	9.18		mg/kg	5.7	30	17-NOV-10
Tellurium (Te)-Total		<0.080	<0.080	RPD-NA	mg/kg	N/A	400	17-NOV-10
Tin (Sn)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	17-NOV-10
Strontium (Sr)-Total		0.10	0.11		mg/kg	8.1	400	17-NOV-10
Uranium (U)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	17-NOV-10
Vanadium (V)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	17-NOV-10
Zinc (Zn)-Total		19.2	20.3		mg/kg	5.6	400	17-NOV-10
WG1204392-6	DUP	WG1204392-5						
Silver (Ag)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	17-NOV-10
Aluminum (Al)-Total		<3.0	<3.0	RPD-NA	mg/kg	N/A	400	17-NOV-10
Beryllium (Be)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	17-NOV-10
Bismuth (Bi)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	17-NOV-10
Calcium (Ca)-Total		133	152		mg/kg	14	400	17-NOV-10
Cadmium (Cd)-Total		0.262	0.281		mg/kg	7.0	30	17-NOV-10
Cesium (Cs)-Total		0.031	0.030		mg/kg	5.0	400	17-NOV-10
Cobalt (Co)-Total		0.074	0.077		mg/kg	3.6	30	17-NOV-10
Chromium (Cr)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	17-NOV-10
Copper (Cu)-Total		11.3	12.4		mg/kg	8.8	30	17-NOV-10
Iron (Fe)-Total		386	405		mg/kg	4.7	30	17-NOV-10
Potassium (K)-Total		2370	2550		mg/kg	7.5	40	17-NOV-10
Phosphorus (P)-Total		2870	2960		mg/kg	3.2	30	17-NOV-10
Magnesium (Mg)-Total		150	157		mg/kg	4.7	30	17-NOV-10
Manganese (Mn)-Total		1.49	1.59		mg/kg	6.5	30	17-NOV-10
Molybdenum (Mo)-Total		0.091	0.100		mg/kg	9.4	400	17-NOV-10
Nickel (Ni)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	17-NOV-10
Rubidium (Rb)-Total		4.03	4.17		mg/kg	3.5	30	17-NOV-10
Tellurium (Te)-Total		<0.080	<0.080	RPD-NA	mg/kg	N/A	400	17-NOV-10
Tin (Sn)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	17-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP Tissue								
Batch R1624624								
WG1204392-6 DUP		WG1204392-5						
Strontium (Sr)-Total		0.20	0.22		mg/kg	12	400	17-NOV-10
Uranium (U)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	17-NOV-10
Vanadium (V)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	17-NOV-10
Zinc (Zn)-Total		37.6	34.6		mg/kg	8.3	30	17-NOV-10
WG1204392-1 MB								
Silver (Ag)-Total			<1.0		mg/kg		1	17-NOV-10
Aluminum (Al)-Total			<3.0		mg/kg		3	17-NOV-10
Beryllium (Be)-Total			<0.050		mg/kg		0.05	17-NOV-10
Bismuth (Bi)-Total			<0.020		mg/kg		0.02	17-NOV-10
Calcium (Ca)-Total			<50		mg/kg		50	17-NOV-10
Cadmium (Cd)-Total			<0.020		mg/kg		0.02	17-NOV-10
Cesium (Cs)-Total			<0.020		mg/kg		0.02	17-NOV-10
Cobalt (Co)-Total			<0.010		mg/kg		0.01	17-NOV-10
Chromium (Cr)-Total			<0.20		mg/kg		0.2	17-NOV-10
Copper (Cu)-Total			<0.40		mg/kg		0.4	17-NOV-10
Iron (Fe)-Total			<20		mg/kg		20	17-NOV-10
Potassium (K)-Total			<10		mg/kg		10	17-NOV-10
Phosphorus (P)-Total			<10		mg/kg		10	17-NOV-10
Magnesium (Mg)-Total			<10		mg/kg		10	17-NOV-10
Manganese (Mn)-Total			<0.20		mg/kg		0.2	17-NOV-10
Molybdenum (Mo)-Total			<0.020		mg/kg		0.02	17-NOV-10
Nickel (Ni)-Total			<0.20		mg/kg		0.2	17-NOV-10
Rubidium (Rb)-Total			<0.20		mg/kg		0.2	17-NOV-10
Tellurium (Te)-Total			<0.080		mg/kg		0.08	17-NOV-10
Tin (Sn)-Total			<1.0		mg/kg		1	17-NOV-10
Strontium (Sr)-Total			<0.10		mg/kg		0.1	17-NOV-10
Uranium (U)-Total			<0.020		mg/kg		0.02	17-NOV-10
Vanadium (V)-Total			<0.060		mg/kg		0.06	17-NOV-10
Zinc (Zn)-Total			<5.0		mg/kg		5	17-NOV-10
Batch R1631334								
WG1205618-3 CCV								
Silver (Ag)-Total			99		%		70-130	18-NOV-10
Aluminum (Al)-Total			99		%		70-130	18-NOV-10
Beryllium (Be)-Total			96		%		70-130	18-NOV-10

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WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1631334							
WG1205618-3	CCV							
Bismuth (Bi)-Total			104		%		70-130	18-NOV-10
Calcium (Ca)-Total			98		%		70-130	18-NOV-10
Cadmium (Cd)-Total			100		%		70-130	18-NOV-10
Cesium (Cs)-Total			103		%		70-130	18-NOV-10
Cobalt (Co)-Total			102		%		70-130	18-NOV-10
Chromium (Cr)-Total			103		%		70-130	18-NOV-10
Copper (Cu)-Total			101		%		70-130	18-NOV-10
Iron (Fe)-Total			102		%		70-130	18-NOV-10
Potassium (K)-Total			102		%		70-130	18-NOV-10
Phosphorus (P)-Total			100		%		70-130	18-NOV-10
Magnesium (Mg)-Total			102		%		70-130	18-NOV-10
Manganese (Mn)-Total			103		%		70-130	18-NOV-10
Molybdenum (Mo)-Total			99		%		70-130	18-NOV-10
Nickel (Ni)-Total			104		%		70-130	18-NOV-10
Rubidium (Rb)-Total			100		%		70-130	18-NOV-10
Tellurium (Te)-Total			97		%		70-130	18-NOV-10
Tin (Sn)-Total			103		%		70-130	18-NOV-10
Strontium (Sr)-Total			101		%		70-130	18-NOV-10
Uranium (U)-Total			97		%		70-130	18-NOV-10
Vanadium (V)-Total			101		%		70-130	18-NOV-10
Zinc (Zn)-Total			99		%		70-130	18-NOV-10
WG1204631-2	CRM	APPLELEAF						
Aluminum (Al)-Total			90		%		60-140	18-NOV-10
Calcium (Ca)-Total			92		%		60-140	18-NOV-10
Copper (Cu)-Total			95		%		60-140	18-NOV-10
Iron (Fe)-Total			94		%		60-140	18-NOV-10
Potassium (K)-Total			96		%		60-140	18-NOV-10
Phosphorus (P)-Total			97		%		60-140	18-NOV-10
Magnesium (Mg)-Total			94		%		60-140	18-NOV-10
Manganese (Mn)-Total			94		%		60-140	18-NOV-10
Molybdenum (Mo)-Total			85		%		60-140	18-NOV-10
Nickel (Ni)-Total			96		%		60-140	18-NOV-10
Rubidium (Rb)-Total			89		%		60-140	18-NOV-10
Strontium (Sr)-Total			92		%		60-140	18-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP								
Tissue								
Batch R1631334								
WG1204631-2 CRM APPLELEAF								
Zinc (Zn)-Total			97		%		60-140	18-NOV-10
WG1205618-1 CVS								
Silver (Ag)-Total			101		%		70-130	19-NOV-10
Aluminum (Al)-Total			98		%		70-130	19-NOV-10
Beryllium (Be)-Total			100		%		70-130	19-NOV-10
Bismuth (Bi)-Total			107		%		70-130	19-NOV-10
Calcium (Ca)-Total			100		%		70-130	19-NOV-10
Cadmium (Cd)-Total			102		%		70-130	19-NOV-10
Cesium (Cs)-Total			105		%		70-130	19-NOV-10
Cobalt (Co)-Total			101		%		70-130	19-NOV-10
Chromium (Cr)-Total			100		%		70-130	19-NOV-10
Copper (Cu)-Total			101		%		70-130	19-NOV-10
Iron (Fe)-Total			103		%		70-130	19-NOV-10
Potassium (K)-Total			101		%		70-130	19-NOV-10
Phosphorus (P)-Total			99		%		70-130	19-NOV-10
Magnesium (Mg)-Total			101		%		70-130	19-NOV-10
Manganese (Mn)-Total			99		%		70-130	19-NOV-10
Molybdenum (Mo)-Total			100		%		70-130	19-NOV-10
Nickel (Ni)-Total			100		%		70-130	19-NOV-10
Rubidium (Rb)-Total			103		%		70-130	19-NOV-10
Tellurium (Te)-Total			103		%		70-130	19-NOV-10
Tin (Sn)-Total			101		%		70-130	19-NOV-10
Strontium (Sr)-Total			103		%		70-130	19-NOV-10
Uranium (U)-Total			98		%		70-130	19-NOV-10
Vanadium (V)-Total			100		%		70-130	19-NOV-10
Zinc (Zn)-Total			99		%		70-130	19-NOV-10
WG1205618-2 CVS								
Silver (Ag)-Total			99		%		70-130	19-NOV-10
Aluminum (Al)-Total			102		%		70-130	19-NOV-10
Beryllium (Be)-Total			99		%		70-130	19-NOV-10
Bismuth (Bi)-Total			106		%		70-130	19-NOV-10
Calcium (Ca)-Total			103		%		70-130	19-NOV-10
Cadmium (Cd)-Total			100		%		70-130	19-NOV-10
Cesium (Cs)-Total			103		%		70-130	19-NOV-10

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83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1631334							
WG1205618-2	CVS							
Cobalt (Co)-Total			100		%		70-130	19-NOV-10
Chromium (Cr)-Total			99		%		70-130	19-NOV-10
Copper (Cu)-Total			100		%		70-130	19-NOV-10
Iron (Fe)-Total			100		%		70-130	19-NOV-10
Potassium (K)-Total			102		%		70-130	19-NOV-10
Phosphorus (P)-Total			102		%		70-130	19-NOV-10
Magnesium (Mg)-Total			103		%		70-130	19-NOV-10
Manganese (Mn)-Total			103		%		70-130	19-NOV-10
Molybdenum (Mo)-Total			100		%		70-130	19-NOV-10
Nickel (Ni)-Total			98		%		70-130	19-NOV-10
Rubidium (Rb)-Total			101		%		70-130	19-NOV-10
Tellurium (Te)-Total			102		%		70-130	19-NOV-10
Tin (Sn)-Total			98		%		70-130	19-NOV-10
Strontium (Sr)-Total			102		%		70-130	19-NOV-10
Uranium (U)-Total			103		%		70-130	19-NOV-10
Vanadium (V)-Total			99		%		70-130	19-NOV-10
Zinc (Zn)-Total			100		%		70-130	19-NOV-10
WG1204631-4	DUP	WG1204631-3						
Silver (Ag)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	19-NOV-10
Aluminum (Al)-Total		<3.0	<3.0	RPD-NA	mg/kg	N/A	400	19-NOV-10
Beryllium (Be)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	19-NOV-10
Bismuth (Bi)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	19-NOV-10
Calcium (Ca)-Total		64	64		mg/kg	0.16	400	19-NOV-10
Cadmium (Cd)-Total		0.547	0.532		mg/kg	2.8	30	19-NOV-10
Cesium (Cs)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	19-NOV-10
Cobalt (Co)-Total		0.132	0.134		mg/kg	1.6	30	19-NOV-10
Chromium (Cr)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	19-NOV-10
Copper (Cu)-Total		4.55	4.42		mg/kg	2.7	30	19-NOV-10
Iron (Fe)-Total		345	377		mg/kg	9.0	30	19-NOV-10
Potassium (K)-Total		3060	3040		mg/kg	0.66	40	19-NOV-10
Phosphorus (P)-Total		3190	3430		mg/kg	7.4	30	19-NOV-10
Magnesium (Mg)-Total		177	189		mg/kg	6.8	30	19-NOV-10
Manganese (Mn)-Total		2.09	2.29		mg/kg	9.2	30	19-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1631334							
WG1204631-4	DUP	WG1204631-3						
Molybdenum (Mo)-Total		0.086	0.096		mg/kg	11	400	19-NOV-10
Nickel (Ni)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	19-NOV-10
Rubidium (Rb)-Total		2.91	2.98		mg/kg	2.4	30	19-NOV-10
Tellurium (Te)-Total		<0.080	<0.080	RPD-NA	mg/kg	N/A	400	19-NOV-10
Tin (Sn)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	19-NOV-10
Strontium (Sr)-Total		<0.10	<0.10	RPD-NA	mg/kg	N/A	400	19-NOV-10
Uranium (U)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	19-NOV-10
Vanadium (V)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	19-NOV-10
Zinc (Zn)-Total		21.4	21.4		mg/kg	0.22	400	19-NOV-10
WG1204631-6	DUP	WG1204631-5						
Silver (Ag)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	19-NOV-10
Aluminum (Al)-Total		4.6	<3.0	RPD-NA	mg/kg	N/A	400	19-NOV-10
Beryllium (Be)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	19-NOV-10
Bismuth (Bi)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	19-NOV-10
Calcium (Ca)-Total		76	71		mg/kg	7.3	400	19-NOV-10
Cadmium (Cd)-Total		0.585	0.588		mg/kg	0.46	30	19-NOV-10
Cesium (Cs)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	19-NOV-10
Cobalt (Co)-Total		0.142	0.155		mg/kg	8.7	30	19-NOV-10
Chromium (Cr)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	19-NOV-10
Copper (Cu)-Total		4.89	4.76		mg/kg	2.7	30	19-NOV-10
Iron (Fe)-Total		383	432		mg/kg	12	30	19-NOV-10
Potassium (K)-Total		3120	3120		mg/kg	0.023	40	19-NOV-10
Phosphorus (P)-Total		3420	3500		mg/kg	2.3	30	19-NOV-10
Magnesium (Mg)-Total		188	194		mg/kg	3.1	30	19-NOV-10
Manganese (Mn)-Total		2.22	2.43		mg/kg	9.3	30	19-NOV-10
Molybdenum (Mo)-Total		0.101	0.101		mg/kg	0.19	40	19-NOV-10
Nickel (Ni)-Total		<0.20	0.29	RPD-NA	mg/kg	N/A	400	19-NOV-10
Rubidium (Rb)-Total		2.75	2.98		mg/kg	8.0	30	19-NOV-10
Tellurium (Te)-Total		<0.080	<0.080	RPD-NA	mg/kg	N/A	400	19-NOV-10
Tin (Sn)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	19-NOV-10
Strontium (Sr)-Total		<0.10	<0.10	RPD-NA	mg/kg	N/A	400	19-NOV-10
Uranium (U)-Total		<0.020	<0.020	RPD-NA	mg/kg	N/A	400	19-NOV-10
Vanadium (V)-Total		0.135	0.126		mg/kg	6.7	400	19-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP Tissue								
Batch	R1631334							
WG1204631-6 DUP		WG1204631-5						
Zinc (Zn)-Total		22.8	23.2		mg/kg	1.8	400	19-NOV-10
WG1204631-1 MB								
Silver (Ag)-Total			<1.0		mg/kg		1	18-NOV-10
Aluminum (Al)-Total			<3.0		mg/kg		3	18-NOV-10
Beryllium (Be)-Total			<0.050		mg/kg		0.05	18-NOV-10
Bismuth (Bi)-Total			<0.020		mg/kg		0.02	18-NOV-10
Calcium (Ca)-Total			<50		mg/kg		50	18-NOV-10
Cadmium (Cd)-Total			<0.020		mg/kg		0.02	18-NOV-10
Cesium (Cs)-Total			<0.020		mg/kg		0.02	18-NOV-10
Cobalt (Co)-Total			<0.010		mg/kg		0.01	18-NOV-10
Chromium (Cr)-Total			<0.20		mg/kg		0.2	18-NOV-10
Copper (Cu)-Total			<0.40		mg/kg		0.4	18-NOV-10
Iron (Fe)-Total			<20		mg/kg		20	18-NOV-10
Potassium (K)-Total			<10		mg/kg		10	18-NOV-10
Phosphorus (P)-Total			<10		mg/kg		10	18-NOV-10
Magnesium (Mg)-Total			<10		mg/kg		10	18-NOV-10
Manganese (Mn)-Total			<0.20		mg/kg		0.2	18-NOV-10
Molybdenum (Mo)-Total			<0.020		mg/kg		0.02	18-NOV-10
Nickel (Ni)-Total			<0.20		mg/kg		0.2	18-NOV-10
Rubidium (Rb)-Total			<0.20		mg/kg		0.2	18-NOV-10
Tellurium (Te)-Total			<0.080		mg/kg		0.08	18-NOV-10
Tin (Sn)-Total			<1.0		mg/kg		1	18-NOV-10
Strontium (Sr)-Total			<0.10		mg/kg		0.1	18-NOV-10
Uranium (U)-Total			<0.020		mg/kg		0.02	18-NOV-10
Vanadium (V)-Total			<0.060		mg/kg		0.06	18-NOV-10
Zinc (Zn)-Total			<5.0		mg/kg		5	18-NOV-10
Batch	R1632164							
WG1205781-3 CCV								
Silver (Ag)-Total			96		%		70-130	19-NOV-10
Aluminum (Al)-Total			97		%		70-130	19-NOV-10
Beryllium (Be)-Total			96		%		70-130	19-NOV-10
Bismuth (Bi)-Total			101		%		70-130	19-NOV-10
Calcium (Ca)-Total			97		%		70-130	19-NOV-10
Cadmium (Cd)-Total			97		%		70-130	19-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1632164							
WG1205781-3	CCV							
Cesium (Cs)-Total			101		%		70-130	19-NOV-10
Cobalt (Co)-Total			99		%		70-130	19-NOV-10
Chromium (Cr)-Total			99		%		70-130	19-NOV-10
Copper (Cu)-Total			100		%		70-130	19-NOV-10
Iron (Fe)-Total			101		%		70-130	19-NOV-10
Potassium (K)-Total			98		%		70-130	19-NOV-10
Phosphorus (P)-Total			98		%		70-130	19-NOV-10
Magnesium (Mg)-Total			99		%		70-130	19-NOV-10
Manganese (Mn)-Total			101		%		70-130	19-NOV-10
Molybdenum (Mo)-Total			97		%		70-130	19-NOV-10
Nickel (Ni)-Total			100		%		70-130	19-NOV-10
Rubidium (Rb)-Total			98		%		70-130	19-NOV-10
Tellurium (Te)-Total			97		%		70-130	19-NOV-10
Tin (Sn)-Total			98		%		70-130	19-NOV-10
Strontium (Sr)-Total			99		%		70-130	19-NOV-10
Uranium (U)-Total			97		%		70-130	19-NOV-10
Vanadium (V)-Total			99		%		70-130	19-NOV-10
Zinc (Zn)-Total			99		%		70-130	19-NOV-10
WG1205781-1	CVS							
Silver (Ag)-Total			94		%		70-130	20-NOV-10
Aluminum (Al)-Total			97		%		70-130	20-NOV-10
Beryllium (Be)-Total			101		%		70-130	20-NOV-10
Bismuth (Bi)-Total			105		%		70-130	20-NOV-10
Calcium (Ca)-Total			97		%		70-130	20-NOV-10
Cadmium (Cd)-Total			98		%		70-130	20-NOV-10
Cesium (Cs)-Total			102		%		70-130	20-NOV-10
Cobalt (Co)-Total			102		%		70-130	20-NOV-10
Chromium (Cr)-Total			99		%		70-130	20-NOV-10
Copper (Cu)-Total			98		%		70-130	20-NOV-10
Iron (Fe)-Total			101		%		70-130	20-NOV-10
Potassium (K)-Total			100		%		70-130	20-NOV-10
Phosphorus (P)-Total			98		%		70-130	20-NOV-10
Magnesium (Mg)-Total			97		%		70-130	20-NOV-10
Manganese (Mn)-Total			99		%		70-130	20-NOV-10



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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-DA-LOW-WP		Tissue						
Batch	R1632164							
WG1205781-1	CVS							
Molybdenum (Mo)-Total			95		%		70-130	20-NOV-10
Nickel (Ni)-Total			100		%		70-130	20-NOV-10
Rubidium (Rb)-Total			100		%		70-130	20-NOV-10
Tellurium (Te)-Total			95		%		70-130	20-NOV-10
Tin (Sn)-Total			97		%		70-130	20-NOV-10
Strontium (Sr)-Total			103		%		70-130	20-NOV-10
Uranium (U)-Total			99		%		70-130	20-NOV-10
Vanadium (V)-Total			100		%		70-130	20-NOV-10
Zinc (Zn)-Total			97		%		70-130	20-NOV-10
WG1205781-2	CVS							
Silver (Ag)-Total			96		%		70-130	20-NOV-10
Aluminum (Al)-Total			102		%		70-130	20-NOV-10
Beryllium (Be)-Total			101		%		70-130	20-NOV-10
Bismuth (Bi)-Total			107		%		70-130	20-NOV-10
Calcium (Ca)-Total			99		%		70-130	20-NOV-10
Cadmium (Cd)-Total			99		%		70-130	20-NOV-10
Cesium (Cs)-Total			102		%		70-130	20-NOV-10
Cobalt (Co)-Total			98		%		70-130	20-NOV-10
Chromium (Cr)-Total			97		%		70-130	20-NOV-10
Copper (Cu)-Total			97		%		70-130	20-NOV-10
Iron (Fe)-Total			99		%		70-130	20-NOV-10
Potassium (K)-Total			102		%		70-130	20-NOV-10
Phosphorus (P)-Total			101		%		70-130	20-NOV-10
Magnesium (Mg)-Total			100		%		70-130	20-NOV-10
Manganese (Mn)-Total			98		%		70-130	20-NOV-10
Molybdenum (Mo)-Total			99		%		70-130	20-NOV-10
Nickel (Ni)-Total			96		%		70-130	20-NOV-10
Rubidium (Rb)-Total			100		%		70-130	20-NOV-10
Tellurium (Te)-Total			102		%		70-130	20-NOV-10
Tin (Sn)-Total			96		%		70-130	20-NOV-10
Strontium (Sr)-Total			102		%		70-130	20-NOV-10
Uranium (U)-Total			107		%		70-130	20-NOV-10
Vanadium (V)-Total			99		%		70-130	20-NOV-10
Zinc (Zn)-Total			99		%		70-130	20-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-HP-LOW-WP	Tissue							
Batch	R1598323							
WG1201750-3 CCV								
Antimony (Sb)-Total			96		%		70-130	09-NOV-10
Arsenic (As)-Total			98		%		70-130	09-NOV-10
Boron (B)-Total			101		%		70-130	09-NOV-10
Barium (Ba)-Total			97		%		70-130	09-NOV-10
Lead (Pb)-Total			100		%		70-130	09-NOV-10
Selenium (Se)-Total			98		%		70-130	09-NOV-10
Sodium (Na)-Total			99		%		70-130	09-NOV-10
Titanium (Ti)-Total			100		%		70-130	09-NOV-10
Thallium (Tl)-Total			98		%		70-130	09-NOV-10
WG1199684-2 CRM		APPLELEAF						
Boron (B)-Total			111		%		60-140	09-NOV-10
Barium (Ba)-Total			86		%		60-140	09-NOV-10
WG1201750-1 CVS								
Antimony (Sb)-Total			95		%		70-130	09-NOV-10
Arsenic (As)-Total			97		%		70-130	09-NOV-10
Boron (B)-Total			99		%		70-130	09-NOV-10
Barium (Ba)-Total			97		%		70-130	09-NOV-10
Lead (Pb)-Total			97		%		70-130	09-NOV-10
Selenium (Se)-Total			97		%		70-130	09-NOV-10
Sodium (Na)-Total			97		%		70-130	09-NOV-10
Titanium (Ti)-Total			96		%		70-130	09-NOV-10
Thallium (Tl)-Total			95		%		70-130	09-NOV-10
WG1201750-2 CVS								
Antimony (Sb)-Total			101		%		70-130	09-NOV-10
Arsenic (As)-Total			99		%		70-130	09-NOV-10
Boron (B)-Total			99		%		70-130	09-NOV-10
Barium (Ba)-Total			101		%		70-130	09-NOV-10
Lead (Pb)-Total			104		%		70-130	09-NOV-10
Selenium (Se)-Total			99		%		70-130	09-NOV-10
Sodium (Na)-Total			101		%		70-130	09-NOV-10
Titanium (Ti)-Total			98		%		70-130	09-NOV-10
Thallium (Tl)-Total			102		%		70-130	09-NOV-10
WG1199684-10 DUP		WG1199684-9						
Antimony (Sb)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	09-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-HP-LOW-WP		Tissue						
Batch	R1598323							
WG1199684-10 DUP		WG1199684-9						
Arsenic (As)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	09-NOV-10
Boron (B)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	09-NOV-10
Barium (Ba)-Total		<0.50	<0.50	RPD-NA	mg/kg	N/A	400	09-NOV-10
Lead (Pb)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	09-NOV-10
Selenium (Se)-Total		0.52	0.50		mg/kg	4.1	30	09-NOV-10
Sodium (Na)-Total		278	294		mg/kg	5.6	40	09-NOV-10
Titanium (Ti)-Total		<0.10	<0.10	RPD-NA	mg/kg	N/A	400	09-NOV-10
Thallium (Tl)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	09-NOV-10
WG1199684-6 DUP		WG1199684-5						
Antimony (Sb)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	09-NOV-10
Arsenic (As)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	09-NOV-10
Boron (B)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	09-NOV-10
Barium (Ba)-Total		<0.50	<0.50	RPD-NA	mg/kg	N/A	400	09-NOV-10
Lead (Pb)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	09-NOV-10
Selenium (Se)-Total		0.45	0.46		mg/kg	1.3	400	09-NOV-10
Sodium (Na)-Total		434	390		mg/kg	11	40	09-NOV-10
Titanium (Ti)-Total		<0.10	<0.10	RPD-NA	mg/kg	N/A	400	09-NOV-10
Thallium (Tl)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	09-NOV-10
WG1199684-8 DUP		WG1199684-7						
Antimony (Sb)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	09-NOV-10
Arsenic (As)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	09-NOV-10
Boron (B)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	09-NOV-10
Barium (Ba)-Total		<0.50	<0.50	RPD-NA	mg/kg	N/A	400	09-NOV-10
Lead (Pb)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	09-NOV-10
Selenium (Se)-Total		0.33	0.38		mg/kg	15	400	09-NOV-10
Sodium (Na)-Total		124	125		mg/kg	0.64	40	09-NOV-10
Titanium (Ti)-Total		0.17	0.19		mg/kg	9.1	400	09-NOV-10
Thallium (Tl)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	09-NOV-10
WG1199684-1 MB								
Antimony (Sb)-Total			<0.060		mg/kg		0.06	09-NOV-10
Arsenic (As)-Total			<0.050		mg/kg		0.05	09-NOV-10
Boron (B)-Total			<1.0		mg/kg		1	09-NOV-10
Barium (Ba)-Total			<0.50		mg/kg		0.5	09-NOV-10

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83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-HP-LOW-WP Tissue								
Batch R1598323								
WG1199684-1 MB								
Lead (Pb)-Total			<0.20		mg/kg		0.2	09-NOV-10
Selenium (Se)-Total			<0.10		mg/kg		0.1	09-NOV-10
Sodium (Na)-Total			<10		mg/kg		10	09-NOV-10
Titanium (Ti)-Total			<0.10		mg/kg		0.1	09-NOV-10
Thallium (Tl)-Total			<0.060		mg/kg		0.06	09-NOV-10
Batch R1623903								
WG1204599-3 CCV								
Antimony (Sb)-Total			102		%		70-130	17-NOV-10
Arsenic (As)-Total			99		%		70-130	17-NOV-10
Boron (B)-Total			99		%		70-130	17-NOV-10
Barium (Ba)-Total			101		%		70-130	17-NOV-10
Lead (Pb)-Total			104		%		70-130	17-NOV-10
Selenium (Se)-Total			96		%		70-130	17-NOV-10
Sodium (Na)-Total			99		%		70-130	17-NOV-10
Titanium (Ti)-Total			102		%		70-130	17-NOV-10
Thallium (Tl)-Total			104		%		70-130	17-NOV-10
WG1203041-2 CRM APPLELEAF								
Boron (B)-Total			106		%		60-140	17-NOV-10
Barium (Ba)-Total			91		%		60-140	17-NOV-10
WG1204599-1 CVS								
Antimony (Sb)-Total			102		%		70-130	17-NOV-10
Arsenic (As)-Total			100		%		70-130	17-NOV-10
Boron (B)-Total			101		%		70-130	17-NOV-10
Barium (Ba)-Total			102		%		70-130	17-NOV-10
Lead (Pb)-Total			104		%		70-130	17-NOV-10
Selenium (Se)-Total			101		%		70-130	17-NOV-10
Sodium (Na)-Total			102		%		70-130	17-NOV-10
Titanium (Ti)-Total			101		%		70-130	17-NOV-10
Thallium (Tl)-Total			105		%		70-130	17-NOV-10
WG1204599-2 CVS								
Antimony (Sb)-Total			101		%		70-130	17-NOV-10
Arsenic (As)-Total			102		%		70-130	17-NOV-10
Boron (B)-Total			102		%		70-130	17-NOV-10
Barium (Ba)-Total			100		%		70-130	17-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-HP-LOW-WP Tissue								
Batch R1623903								
WG1204599-2 CVS								
Lead (Pb)-Total			104		%		70-130	17-NOV-10
Selenium (Se)-Total			103		%		70-130	17-NOV-10
Sodium (Na)-Total			104		%		70-130	17-NOV-10
Titanium (Ti)-Total			102		%		70-130	17-NOV-10
Thallium (Tl)-Total			106		%		70-130	17-NOV-10
WG1203041-4 DUP WG1203041-3								
Antimony (Sb)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	17-NOV-10
Arsenic (As)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	17-NOV-10
Boron (B)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	17-NOV-10
Barium (Ba)-Total		<0.50	<0.50	RPD-NA	mg/kg	N/A	400	17-NOV-10
Lead (Pb)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	17-NOV-10
Selenium (Se)-Total		0.85	0.69		mg/kg	20	30	17-NOV-10
Sodium (Na)-Total		1640	1400		mg/kg	16	40	17-NOV-10
Titanium (Ti)-Total		0.11	<0.10	RPD-NA	mg/kg	N/A	400	17-NOV-10
Thallium (Tl)-Total		0.081	0.068		mg/kg	17	400	17-NOV-10
WG1203041-6 DUP WG1203041-5								
Antimony (Sb)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	17-NOV-10
Arsenic (As)-Total		0.051	0.056		mg/kg	9.1	400	17-NOV-10
Boron (B)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	17-NOV-10
Barium (Ba)-Total		<0.50	<0.50	RPD-NA	mg/kg	N/A	400	17-NOV-10
Lead (Pb)-Total		<0.20	0.31	RPD-NA	mg/kg	N/A	400	17-NOV-10
Selenium (Se)-Total		3.31	3.39		mg/kg	2.4	30	17-NOV-10
Sodium (Na)-Total		1610	1790		mg/kg	11	40	17-NOV-10
Titanium (Ti)-Total		0.10	0.12		mg/kg	17	400	17-NOV-10
Thallium (Tl)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	17-NOV-10
WG1203041-1 MB								
Antimony (Sb)-Total			<0.060		mg/kg		0.06	17-NOV-10
Arsenic (As)-Total			<0.050		mg/kg		0.05	17-NOV-10
Boron (B)-Total			<1.0		mg/kg		1	17-NOV-10
Barium (Ba)-Total			<0.50		mg/kg		0.5	17-NOV-10
Lead (Pb)-Total			<0.20		mg/kg		0.2	17-NOV-10
Selenium (Se)-Total			<0.10		mg/kg		0.1	17-NOV-10
Sodium (Na)-Total			<10		mg/kg		10	17-NOV-10
Titanium (Ti)-Total			<0.10		mg/kg		0.1	17-NOV-10



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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-HP-LOW-WP	Tissue							
Batch R1623903								
WG1203041-1 MB								
Thallium (Tl)-Total			<0.060		mg/kg		0.06	17-NOV-10
Batch R1626923								
WG1204978-3 CCV								
Antimony (Sb)-Total			101		%		70-130	18-NOV-10
Arsenic (As)-Total			99		%		70-130	18-NOV-10
Boron (B)-Total			98		%		70-130	18-NOV-10
Barium (Ba)-Total			100		%		70-130	18-NOV-10
Lead (Pb)-Total			102		%		70-130	18-NOV-10
Selenium (Se)-Total			101		%		70-130	18-NOV-10
Sodium (Na)-Total			101		%		70-130	18-NOV-10
Titanium (Ti)-Total			100		%		70-130	18-NOV-10
Thallium (Tl)-Total			97		%		70-130	18-NOV-10
WG1204371-2 CRM	APPLELEAF							
Boron (B)-Total			105		%		60-140	18-NOV-10
Barium (Ba)-Total			80		%		60-140	18-NOV-10
WG1204978-1 CVS								
Antimony (Sb)-Total			101		%		70-130	18-NOV-10
Arsenic (As)-Total			98		%		70-130	18-NOV-10
Boron (B)-Total			102		%		70-130	18-NOV-10
Barium (Ba)-Total			101		%		70-130	18-NOV-10
Lead (Pb)-Total			101		%		70-130	18-NOV-10
Selenium (Se)-Total			98		%		70-130	18-NOV-10
Sodium (Na)-Total			100		%		70-130	18-NOV-10
Titanium (Ti)-Total			99		%		70-130	18-NOV-10
Thallium (Tl)-Total			98		%		70-130	18-NOV-10
WG1204978-2 CVS								
Antimony (Sb)-Total			100		%		70-130	18-NOV-10
Arsenic (As)-Total			101		%		70-130	18-NOV-10
Boron (B)-Total			99		%		70-130	18-NOV-10
Barium (Ba)-Total			101		%		70-130	18-NOV-10
Lead (Pb)-Total			103		%		70-130	18-NOV-10
Selenium (Se)-Total			103		%		70-130	18-NOV-10
Sodium (Na)-Total			102		%		70-130	18-NOV-10

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Client: NORTH/SOUTH CONSULTANTS
83 SCURFIELD BLVD
WINNIPEG MB R3Y 1G4

Contact: Lisa Capar

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET-WET-HP-LOW-WP		Tissue						
Batch	R1626923							
WG1204978-2 CVS								
Titanium (Ti)-Total			99		%		70-130	18-NOV-10
Thallium (Tl)-Total			103		%		70-130	18-NOV-10
WG1204371-4 DUP		WG1204371-3						
Antimony (Sb)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	18-NOV-10
Arsenic (As)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	18-NOV-10
Boron (B)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	18-NOV-10
Barium (Ba)-Total		<0.50	<0.50	RPD-NA	mg/kg	N/A	400	18-NOV-10
Lead (Pb)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	18-NOV-10
Selenium (Se)-Total		1.19	1.14		mg/kg	3.8	30	18-NOV-10
Sodium (Na)-Total		1620	1640		mg/kg	1.2	40	18-NOV-10
Titanium (Ti)-Total		0.10	0.11		mg/kg	4.9	400	18-NOV-10
Thallium (Tl)-Total		0.065	0.061		mg/kg	6.6	400	18-NOV-10
WG1204371-6 DUP		WG1204371-5						
Antimony (Sb)-Total		<0.060	<0.060	RPD-NA	mg/kg	N/A	400	18-NOV-10
Arsenic (As)-Total		<0.050	<0.050	RPD-NA	mg/kg	N/A	400	18-NOV-10
Boron (B)-Total		<1.0	<1.0	RPD-NA	mg/kg	N/A	400	18-NOV-10
Barium (Ba)-Total		<0.50	<0.50	RPD-NA	mg/kg	N/A	400	18-NOV-10
Lead (Pb)-Total		<0.20	<0.20	RPD-NA	mg/kg	N/A	400	18-NOV-10
Selenium (Se)-Total		1.29	1.34		mg/kg	3.9	30	18-NOV-10
Sodium (Na)-Total		1570	1750		mg/kg	11	40	18-NOV-10
Titanium (Ti)-Total		0.12	<0.10	RPD-NA	mg/kg	N/A	400	18-NOV-10
Thallium (Tl)-Total		0.076	0.072		mg/kg	4.5	400	18-NOV-10
WG1204371-1 MB								
Antimony (Sb)-Total			<0.060		mg/kg		0.06	18-NOV-10
Arsenic (As)-Total			<0.050		mg/kg		0.05	18-NOV-10
Boron (B)-Total			<1.0		mg/kg		1	18-NOV-10
Barium (Ba)-Total			<0.50		mg/kg		0.5	18-NOV-10
Lead (Pb)-Total			<0.20		mg/kg		0.2	18-NOV-10
Selenium (Se)-Total			<0.10		mg/kg		0.1	18-NOV-10
Sodium (Na)-Total			<10		mg/kg		10	18-NOV-10
Titanium (Ti)-Total			<0.10		mg/kg		0.1	18-NOV-10
Thallium (Tl)-Total			<0.060		mg/kg		0.06	18-NOV-10

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Legend:

Limit	99% Confidence Interval (Laboratory Control Limits)
DUP	Duplicate
RPD	Relative Percent Difference
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Material
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material
CCV	Continuing Calibration Verification
CVS	Calibration Verification Standard
LCSD	Laboratory Control Sample Duplicate

Sample Parameter Qualifier Definitions:

Qualifier	Description
RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.

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Hold Time Exceedances:

ALS Product Description	Sample ID	Sampling Date	Date Processed	Rec. HT	Actual HT	Units	Qualifier
Total Metals							
Mercury in Tissue							
	3	07-AUG-10	29-NOV-10 11:31	28	114	days	EHTR
	5	08-AUG-10	29-NOV-10 11:31	28	113	days	EHTR
	7	09-AUG-10	29-NOV-10 11:31	28	112	days	EHTR
	9	13-AUG-10	29-NOV-10 11:31	28	108	days	EHTR
	11	13-AUG-10	29-NOV-10 11:31	28	108	days	EHTR
	13	15-AUG-10	29-NOV-10 11:31	28	106	days	EHTR
	15	19-AUG-10	29-NOV-10 11:31	28	102	days	EHTR
	17	19-AUG-10	29-NOV-10 11:31	28	102	days	EHTR
	19	19-AUG-10	29-NOV-10 11:31	28	102	days	EHTR
	21	01-SEP-10	29-NOV-10 11:31	28	89	days	EHTR
	23	19-SEP-10	29-NOV-10 11:31	28	71	days	EHTR
	25	05-SEP-10	29-NOV-10 11:31	28	85	days	EHTR
	27	07-SEP-10	29-NOV-10 11:31	28	83	days	EHTR
	29	07-SEP-10	29-NOV-10 11:31	28	83	days	EHTR
	31	08-AUG-10	29-NOV-10 11:31	28	113	days	EHTR
	34	10-AUG-10	29-NOV-10 11:31	28	111	days	EHTR
	36	10-AUG-10	29-NOV-10 11:31	28	111	days	EHTR
	38	13-AUG-10	29-NOV-10 11:31	28	108	days	EHTR
	40	19-AUG-10	29-NOV-10 11:31	28	102	days	EHTR
	42	19-AUG-10	29-NOV-10 11:31	28	102	days	EHTR
	44	19-AUG-10	29-NOV-10 11:31	28	102	days	EHTR
	46	20-AUG-10	29-NOV-10 11:31	28	101	days	EHTR
	48	25-AUG-10	29-NOV-10 11:31	28	96	days	EHTR
	50	25-AUG-10	29-NOV-10 11:31	28	96	days	EHTR
	52	27-AUG-10	29-NOV-10 11:31	28	94	days	EHTR
	54	01-SEP-10	29-NOV-10 11:31	28	89	days	EHTR
	56	01-SEP-10	29-NOV-10 11:31	28	89	days	EHTR
	58	03-SEP-10	29-NOV-10 11:31	28	87	days	EHTR
	60	08-AUG-10	29-NOV-10 11:31	28	113	days	EHTR
	62	08-AUG-10	29-NOV-10 11:31	28	113	days	EHTR
	64	09-AUG-10	29-NOV-10 11:31	28	112	days	EHTR
	67	17-AUG-10	29-NOV-10 11:31	28	104	days	EHTR
	69	17-AUG-10	29-NOV-10 11:31	28	104	days	EHTR
	71	19-AUG-10	29-NOV-10 11:31	28	102	days	EHTR
	73	19-AUG-10	29-NOV-10 11:31	28	102	days	EHTR
	75	20-AUG-10	29-NOV-10 11:31	28	101	days	EHTR
	77	04-SEP-10	29-NOV-10 11:31	28	86	days	EHTR
	79	05-SEP-10	29-NOV-10 11:31	28	85	days	EHTR
	81	11-SEP-10	29-NOV-10 11:31	28	79	days	EHTR
	83	07-SEP-10	29-NOV-10 11:31	28	83	days	EHTR
	85	13-SEP-10	29-NOV-10 11:31	28	77	days	EHTR
	87	10-SEP-10	29-NOV-10 11:31	28	80	days	EHTR

Legend & Qualifier Definitions:

EHTR-FM: Exceeded ALS recommended hold time prior to sample receipt. Field Measurement recommended.
 EHTR: Exceeded ALS recommended hold time prior to sample receipt.
 EHTR: Exceeded ALS recommended hold time prior to analysis. Sample was received less than 24 hours prior to expiry.
 EHT: Exceeded ALS recommended hold time prior to analysis.
 Rec. HT: ALS recommended hold time (see units).

Notes*:

Where actual sampling date is not provided to ALS, the date (& time) of receipt is used for calculation purposes.
 Where actual sampling time is not provided to ALS, the earlier of 12 noon on the sampling date or the time (& date) of receipt is used for calculation purposes. Samples for L949412 were received on 01-NOV-10 14:45.

ALS recommended hold times may vary by province. They are assigned to meet known provincial and/or federal government requirements. In the absence of regulatory hold times, ALS establishes recommendations based on guidelines published by the

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US EPA, APHA Standard Methods, or Environment Canada (where available). For more information, please contact ALS.

The ALS Quality Control Report is provided to ALS clients upon request. ALS includes comprehensive QC checks with every analysis to ensure our high standards of quality are met. Each QC result has a known or expected target value, which is compared against pre-determined data quality objectives to provide confidence in the accuracy of associated test results.

Please note that this report may contain QC results from anonymous Sample Duplicates and Matrix Spikes that do not originate from this Work Order.

[illegible]

	Date sampled	Unique Identifier	Species code	Liver sample? (Y/N)	Tissue sample? (Y/N)	
1	7-Aug-10	005a_6	ARCH	Y	no sample	
2,3	7-Aug-10	007a_2	ARCH	Y	Y	
4,5	8-Aug-10	010b_3	ARCH	Y	Y	
6,7	9-Aug-10	012b_2	ARCH	Y	Y	
8,9	13-Aug-10	032b_1	ARCH	Y	Y	
10,11	13-Aug-10	034a_4	ARCH	Y	Y	
12,13	15-Aug-10	036c_2	ARCH	Y	Y	
14,15	19-Aug-10	048a_28	ARCH	Y	Y	
16,17	19-Aug-10	048a_29	ARCH	Y	Y	
18,19	19-Aug-10	048a_9	ARCH	Y	Y	
20,21	1-Sep-10	146a_6	ARCH	Y	Y	
22,23	19-Sep-10	185b_3	ARCH	Y	Y	
24,25	5-Sep-10	192a_1	ARCH	Y	Y	
26,27	7-Sep-10	192c_8	ARCH	Y	Y	
28,29	7-Sep-10	192c_9	ARCH	Y	Y	
30,31	8-Aug-10	009b_8	LKTR	Y	Y	
32	9-Aug-10	013c_7	LKTR	Y	no sample	
33,34	10-Aug-10	015a_3	LKTR	Y	Y	
35,36	10-Aug-10	015c_1	LKTR	Y	Y	
37,38	13-Aug-10	034a_6	LKTR	Y	Y	
39,40	19-Aug-10	045c_2	LKTR	Y	Y	
41,42	19-Aug-10	046c_7	LKTR	Y	Y	
43,44	19-Aug-10	049a_30	LKTR	Y	Y	
45,46	20-Aug-10	056a_4	LKTR	Y	Y	
47,48	25-Aug-10	078a_2	LKTR	Y	Y	
49,50	25-Aug-10	084a_1	LKTR	Y	Y	
51,52	27-Aug-10	095a_18	LKTR	Y	Y	
53,54	1-Sep-10	143a_5	LKTR	Y	Y	
55,56	1-Sep-10	143a_6	LKTR	Y	Y	
57,58	3-Sep-10	162a_1	LKTR	Y	Y	
59,60	8-Aug-10	009a_5	RNWH	Y	Y	
61,62	8-Aug-10	009c_1	RNWH	Y	Y	

Tissue *metals and mercury

Liver *metals only

	Date sampled	Unique Identifier	Species code	Liver sample? (Y/N)	Tissue sample? (Y/N)	
63, 64	9-Aug-10	011b_1	RNWH	Y	Y	
65	11-Aug-10	019c_3	RNWH	Y	no sample	
66, 67	17-Aug-10	046b_7	RNWH	Y	Y	
68, 69	17-Aug-10	046b_8	RNWH	Y	Y	
70, 71	19-Aug-10	048a_6	RNWH	Y	Y	
72, 73	19-Aug-10	051a_16	RNWH	Y	Y	
74, 75	20-Aug-10	056a_17	RNWH	Y	Y	
76, 77	4-Sep-10	161b_2	RNWH	Y	Y	
78, 79	5-Sep-10	165b_1	RNWH	Y	Y	
80, 81	11-Sep-10	180d_4	RNWH	Y	Y	
82, 83	7-Sep-10	193c_1	RNWH	Y	Y	
84, 85	13-Sep-10	200d_1	RNWH	Y	Y	
86, 87	10-Sep-10	202a_1	RNWH	Y	Y	
88	n/a	dup 01	n/a	no sample	Y	
89	n/a	dup 02	n/a	no sample	Y	
90	n/a	dup 03	n/a	no sample	Y	
91	n/a	dup 04	n/a	no sample	Y	
92	n/a	dup 05	n/a	no sample	Y	
93	n/a	dup 06	n/a	Y	no sample	
94	n/a	dup 07	n/a	Y	no sample	
95	n/a	dup 08	n/a	Y	no sample	
96	n/a	dup 09	n/a	Y	no sample	
97	n/a	dup 10	n/a	Y	no sample	

total # samples

50

47

Tissue *metals and mercury

Liver *metals only

APPENDIX 5.

FISH BIOLOGICAL CHARACTERISTICS

Appendix 5.1	Capture and transfer details and basic meristics information of all fish captured during the fish-out of the Bay-Goose Basin, 2010.	244
Appendix 5.2	Reproductive characteristics of all fish captured during the fish-out of the Bay-Goose Basin, 2010	310
Appendix 5.3	Stomach, liver and muscle sample information from individual Arctic Char, Lake Trout and Round Whitefish captured during the fish-out of the Bay-Goose Basin, 2010.	355

Appendix 5.1. Capture and transfer details and basic meristics information of all fish captured during the fish-out of the Bay-Goose Basin, 2010.

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
001a_2	ARCH	N	6-Aug-10	51	308	250	0.86	250	N	-	Y	77077	-
002a_2	ARCH	N	6-Aug-10	76	316	300	0.95	300	N	-	Y	77079	-
002a_4	ARCH	N	6-Aug-10	38	200	75	0.94	75	Y	net	N	-	-
002a_5	ARCH	N	6-Aug-10	38	223	75	0.68	75	N	-	Y	-	-
002a_6	ARCH	N	6-Aug-10	25	131	25	1.11	25	N	-	Y	-	-
002b_4	ARCH	N	6-Aug-10	38	181	50	0.84	50	N	-	Y	-	-
002b_5	ARCH	N	6-Aug-10	38	178	50	0.89	50	N	-	Y	-	-
002b_6	ARCH	N	6-Aug-10	38	220	75	0.70	75	N	-	Y	-	-
002c_1	ARCH	N	6-Aug-10	51	299	200	0.75	200	N	-	Y	-	-
002c_2	ARCH	N	6-Aug-10	38	178	50	0.89	50	N	-	Y	-	-
002c_3	ARCH	N	6-Aug-10	38	184	50	0.80	50	N	-	Y	-	-
003a_2	ARCH	N	6-Aug-10	51	259	100	0.58	177	N	-	Y	-	-
003b_4	ARCH	N	6-Aug-10	38	176	50	0.92	50	N	-	Y	-	-
003c_1	ARCH	N	6-Aug-10	102	535	1300	0.85	1300	N	-	Y	77090	-
003c_4	ARCH	N	6-Aug-10	38	250	50	0.32	160	N	-	Y	-	-
003c_5	ARCH	N	6-Aug-10	38	185	50	0.79	50	N	-	Y	-	-
005a_2	ARCH	N	7-Aug-10	38	200	100	1.25	100	N	-	Y	-	-
005a_6	ARCH	Y	7-Aug-10	76	554	1950	1.15	1950	Y	transfer	N	77096	10
007a_1	ARCH	N	7-Aug-10	38	243	200	1.39	200	N	-	Y	-	-
007a_2	ARCH	Y	7-Aug-10	38	282	200	0.89	200	Y	net	N	-	5
007a_3	ARCH	N	7-Aug-10	51	226	50	0.43	121	N	-	Y	-	-
007a_5	ARCH	N	7-Aug-10	51	257	200	1.18	200	N	-	Y	-	-
007a_6	ARCH	N	7-Aug-10	51	267	200	1.05	200	N	-	Y	-	-
008a_5	ARCH	N	8-Aug-10	38	185	75	1.18	75	N	-	Y	-	-
008a_6	ARCH	N	8-Aug-10	25	140	50	1.82	31	N	-	Y	-	-
008c_1	ARCH	N	8-Aug-10	51	230	150	1.23	150	N	-	Y	-	-
008c_2	ARCH	N	8-Aug-10	25	140	50	1.82	31	Y	transfer	N	-	-
009a_3	ARCH	N	8-Aug-10	38	195	100	1.35	100	N	-	Y	-	-
009b_1	ARCH	N	8-Aug-10	25	150	50	1.48	50	N	-	Y	-	-
009b_5	ARCH	N	8-Aug-10	38	200	100	1.25	100	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
010b_3	ARCH	Y	8-Aug-10	38	200	100	1.25	100	Y	net	N	-	3
010b_4	ARCH	N	8-Aug-10	25	140	50	1.82	31	Y	transfer	N	-	-
012b_2	ARCH	Y	9-Aug-10	38	279	200	0.92	200	Y	net	N	-	5
012c_1	ARCH	N	9-Aug-10	51	190	50	0.73	50	N	-	Y	-	-
013c_3	ARCH	N	9-Aug-10	25	203	75	0.90	75	Y	net	N	-	-
015b_2	ARCH	N	10-Aug-10	25	141	25	0.89	25	N	-	Y	-	-
016a_1	ARCH	N	10-Aug-10	25	121	25	1.41	25	N	-	Y	-	-
016a_2	ARCH	N	10-Aug-10	38	240	150	1.09	150	N	-	Y	-	-
016d_1	ARCH	N	10-Aug-10	38	192	100	1.41	100	N	-	Y	-	-
017a_4	ARCH	N	11-Aug-10	51	190	100	1.46	100	N	-	Y	-	-
017b_2	ARCH	N	11-Aug-10	38	204	150	1.77	90	N	-	Y	-	-
017c_1	ARCH	N	11-Aug-10	25	197	150	1.96	82	Y	transfer	N	-	-
018b_3	ARCH	Y	11-Aug-10	51	197	150	1.96	82	Y	net	N	-	4
018b_4	ARCH	N	11-Aug-10	51	182	100	1.66	66	N	-	Y	-	-
019b_1	ARCH	N	11-Aug-10	25	139	25	0.93	25	N	-	Y	-	-
019b_2	ARCH	N	11-Aug-10	25	163	50	1.15	50	N	-	Y	-	-
020a_1	ARCH	Y	11-Aug-10	25	147	50	1.57	50	Y	net	N	-	2
020b_1	ARCH	N	11-Aug-10	51	194	50	0.68	50	N	-	Y	-	-
021a_1	ARCH	N	11-Aug-10	25	137	25	0.97	25	N	-	Y	-	-
021a_2	ARCH	N	11-Aug-10	25	146	25	0.80	25	N	-	Y	-	-
021a_3	ARCH	N	11-Aug-10	25	117	25	1.56	25	N	-	Y	-	-
021a_5	ARCH	N	11-Aug-10	38	124	50	2.62	22	N	-	Y	-	-
021a_6	ARCH	N	11-Aug-10	38	230	100	0.82	100	N	-	Y	-	-
021c_1	ARCH	N	11-Aug-10	25	197	50	0.65	82	N	-	Y	-	-
021c_2	ARCH	N	11-Aug-10	25	132	25	1.09	25	N	-	Y	-	-
022b_1	ARCH	N	11-Aug-10	25	124	25	1.31	25	N	-	Y	-	-
022c_1	ARCH	N	11-Aug-10	76	252	150	0.94	150	N	-	Y	-	-
023d_1	ARCH	N	12-Aug-10	25	122	25	1.38	25	N	-	Y	-	-
024a_1	ARCH	N	12-Aug-10	38	191	100	1.44	100	N	-	Y	-	-
024a_2	ARCH	N	12-Aug-10	25	131	25	1.11	25	N	-	Y	-	-
024b_2	ARCH	N	12-Aug-10	25	128	25	1.19	25	N	-	Y	-	-
024d_2	ARCH	N	12-Aug-10	38	210	100	1.08	100	N	-	Y	-	-
024d_3	ARCH	N	12-Aug-10	25	120	50	2.89	20	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
024d_4	ARCH	N	12-Aug-10	25	145	75	2.46	35	N	-	Y	-	-
024d_5	ARCH	N	12-Aug-10	25	142	50	1.75	33	N	-	Y	-	-
025c_1	ARCH	N	12-Aug-10	25	133	25	1.06	25	N	-	Y	-	-
027b_2	ARCH	N	12-Aug-10	51	242	250	1.76	250	N	-	Y	-	-
028a_3	ARCH	N	12-Aug-10	38	185	50	0.79	50	N	-	Y	-	-
028a_4	ARCH	N	12-Aug-10	38	128	25	1.19	25	N	-	Y	-	-
028a_6	ARCH	N	12-Aug-10	38	133	25	1.06	25	N	-	Y	-	-
028b_2	ARCH	N	12-Aug-10	25	119	25	1.48	25	N	-	Y	-	-
028b_3	ARCH	N	12-Aug-10	38	198	100	1.29	100	N	-	Y	-	-
028c_1	ARCH	N	12-Aug-10	25	119	25	1.48	25	N	-	Y	-	-
029a_1	ARCH	N	13-Aug-10	51	180	100	1.71	64	N	-	Y	-	-
029c_1	ARCH	N	13-Aug-10	25	130	50	2.28	26	N	-	Y	-	-
030a_1	ARCH	N	13-Aug-10	51	270	250	1.27	250	N	-	Y	-	-
030a_5	ARCH	N	13-Aug-10	25	160	50	1.22	50	N	-	Y	-	-
031a_3	ARCH	N	13-Aug-10	38	230	175	1.44	175	N	-	Y	-	-
031b_4	ARCH	N	13-Aug-10	38	203	150	1.79	89	N	-	Y	-	-
031b_6	ARCH	N	13-Aug-10	76	330	300	0.83	300	N	-	Y	77056	-
032b_1	ARCH	Y	13-Aug-10	38	239	175	1.28	175	Y	net	N	-	3
033b_3	ARCH	N	13-Aug-10	38	172	100	1.97	56	N	-	Y	-	-
033c_2	ARCH	N	13-Aug-10	38	206	150	1.72	93	N	-	Y	-	-
034a_1	ARCH	N	13-Aug-10	38	200	150	1.88	86	N	-	Y	-	-
034a_2	ARCH	N	13-Aug-10	38	185	100	1.58	100	N	-	Y	-	-
034a_3	ARCH	N	13-Aug-10	38	186	100	1.55	100	N	-	Y	-	-
034a_4	ARCH	Y	13-Aug-10	38	260	150	0.85	150	Y	net	N	-	4
034b_4	ARCH	N	13-Aug-10	25	187	150	2.29	71	N	-	Y	-	-
035b_5	ARCH	N	15-Aug-10	38	180	100	1.71	64	N	-	Y	-	-
035b_6	ARCH	N	15-Aug-10	38	196	150	1.99	81	N	-	Y	-	-
035b_7	ARCH	N	15-Aug-10	25	135	50	2.03	28	N	-	Y	-	-
036a_1	ARCH	N	15-Aug-10	25	123	50	2.69	22	N	-	Y	-	-
036c_2	ARCH	Y	15-Aug-10	38	229	150	1.25	150	Y	net	N	-	4
036c_3	ARCH	N	15-Aug-10	51	244	200	1.38	200	N	-	Y	-	-
037b_3	ARCH	N	15-Aug-10	76	229	150	1.25	150	N	-	Y	-	-
038c_1	ARCH	N	15-Aug-10	76	252	200	1.25	200	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
039a_2	ARCH	N	15-Aug-10	25	132	25	1.09	25	N	-	Y	-	-
039b_1	ARCH	N	15-Aug-10	38	302	350	1.27	350	N	-	Y	-	-
039b_3	ARCH	N	15-Aug-10	38	198	125	1.61	125	N	-	Y	-	-
039b_4	ARCH	N	15-Aug-10	25	124	25	1.31	25	N	-	Y	-	-
039c_1	ARCH	N	15-Aug-10	51	266	250	1.33	250	N	-	Y	-	-
039c_2	ARCH	N	15-Aug-10	25	130	25	1.14	25	N	-	Y	-	-
043a_1	ARCH	N	16-Aug-10	25	127	25	1.22	25	N	-	Y	-	-
043b_1	ARCH	N	16-Aug-10	38	160	50	1.22	50	N	-	Y	-	-
043c_1	ARCH	N	16-Aug-10	25	118	25	1.52	25	N	-	Y	-	-
043c_2	ARCH	N	16-Aug-10	25	112	25	1.78	17	N	-	Y	-	-
043c_3	ARCH	N	16-Aug-10	25	129	25	1.16	25	N	-	Y	-	-
043c_5	ARCH	N	16-Aug-10	25	127	25	1.22	25	N	-	Y	-	-
044b_1	ARCH	N	16-Aug-10	25	120	25	1.45	25	N	-	Y	-	-
044b_2	ARCH	Y	16-Aug-10	25	131	25	1.11	25	Y	net	N	-	2
044b_3	ARCH	N	16-Aug-10	25	119	25	1.48	25	N	-	Y	-	-
045c_1	ARCH	N	19-Aug-10	51	256	195	1.16	195	Y	net	N	-	-
045c_8	ARCH	N	19-Aug-10	38	203	100	1.20	100	Y	net	N	-	-
045c_9	ARCH	N	19-Aug-10	38	185	95	1.50	95	Y	net	N	-	-
045c_10	ARCH	N	19-Aug-10	25	130	40	1.82	26	Y	sacrificed	N	-	-
046b_3	ARCH	Y	17-Aug-10	25	127	25	1.22	25	Y	net	N	-	2
046b_4	ARCH	Y	17-Aug-10	25	137	25	0.97	25	Y	net	N	-	2
046b_5	ARCH	Y	17-Aug-10	38	193	75	1.04	75	Y	net	N	-	2
046c_3	ARCH	N	19-Aug-10	38	184	75	1.20	75	Y	sacrificed	N	-	-
046c_8	ARCH	N	19-Aug-10	25	137	50	1.94	30	Y	net	N	-	-
046c_9	ARCH	N	19-Aug-10	25	151	50	1.45	50	Y	sacrificed	N	-	-
048a_3	ARCH	N	19-Aug-10	38	210	125	1.35	125	N	-	Y	-	-
048a_9	ARCH	Y	19-Aug-10	38	268	200	1.04	200	Y	net	N	-	4
048a_13	ARCH	Y	19-Aug-10	38	200	100	1.25	100	Y	sacrificed	N	-	3
048a_14	ARCH	Y	19-Aug-10	38	188	100	1.50	100	Y	net	N	-	3
048a_15	ARCH	Y	19-Aug-10	38	177	75	1.35	75	Y	nd	N	-	3
048a_16	ARCH	Y	19-Aug-10	38	185	75	1.18	75	Y	net	N	-	3
048a_18	ARCH	N	19-Aug-10	38	190	75	1.09	75	Y	nd	N	-	-
048a_19	ARCH	Y	19-Aug-10	38	220	125	1.17	125	Y	sacrificed	N	-	4

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
048a_20	ARCH	N	19-Aug-10	38	181	75	1.26	75	Y	nd	N	-	-
048a_21	ARCH	N	19-Aug-10	38	187	75	1.15	75	Y	nd	N	-	-
048a_23	ARCH	N	19-Aug-10	38	162	50	1.18	50	Y	nd	N	-	-
048a_24	ARCH	N	19-Aug-10	38	148	50	1.54	50	Y	nd	N	-	-
048a_25	ARCH	N	19-Aug-10	25	129	25	1.16	25	Y	nd	N	-	-
048a_28	ARCH	Y	19-Aug-10	51	248	175	1.15	175	Y	sacrificed	N	-	4
048a_29	ARCH	Y	19-Aug-10	51	332	350	0.96	350	Y	net	N	-	6
049a_4	ARCH	N	19-Aug-10	25	126	50	2.50	23	Y	nd	N	-	-
049a_5	ARCH	N	19-Aug-10	25	127	25	1.22	25	Y	nd	N	-	-
049a_7	ARCH	N	19-Aug-10	25	127	25	1.22	25	Y	nd	N	-	-
049a_8	ARCH	N	19-Aug-10	25	130	50	2.28	26	Y	nd	N	-	-
049a_9	ARCH	N	19-Aug-10	25	135	50	2.03	28	Y	nd	N	-	-
049a_14	ARCH	N	19-Aug-10	38	226	150	1.30	150	Y	nd	N	-	-
049a_16	ARCH	N	19-Aug-10	38	200	100	1.25	100	Y	nd	N	-	-
049a_17	ARCH	N	19-Aug-10	38	195	100	1.35	100	Y	nd	N	-	-
049a_20	ARCH	N	19-Aug-10	38	187	100	1.53	100	Y	nd	N	-	-
050a_2	ARCH	N	19-Aug-10	25	125	25	1.28	25	Y	nd	N	-	-
050a_3	ARCH	N	19-Aug-10	25	120	25	1.45	25	Y	nd	N	-	-
050a_7	ARCH	N	19-Aug-10	38	190	100	1.46	100	Y	nd	N	-	-
050a_8	ARCH	N	19-Aug-10	38	178	75	1.33	75	Y	nd	N	-	-
051a_5	ARCH	N	19-Aug-10	25	122	25	1.38	25	Y	sacrificed	N	-	-
051a_8	ARCH	N	19-Aug-10	38	170	50	1.02	50	Y	net	N	-	-
051a_9	ARCH	N	19-Aug-10	38	180	60	1.03	60	Y	net	N	-	-
051a_10	ARCH	N	19-Aug-10	38	205	90	1.04	90	Y	net	N	-	-
051a_11	ARCH	N	19-Aug-10	38	159	45	1.12	45	Y	sacrificed	N	-	-
051a_12	ARCH	N	19-Aug-10	38	207	75	0.85	75	Y	sacrificed	N	-	-
051a_17	ARCH	N	19-Aug-10	51	212	125	1.31	125	Y	sacrificed	N	-	-
051a_18	ARCH	N	19-Aug-10	51	230	150	1.23	150	Y	sacrificed	N	-	-
051a_19	ARCH	N	19-Aug-10	51	208	125	1.39	125	Y	sacrificed	N	-	-
052a_8	ARCH	N	19-Aug-10	38	174	57	1.08	57	Y	sacrificed	N	-	-
052a_17	ARCH	Y	19-Aug-10	25	135	26	1.06	26	Y	net	N	-	2
052a_18	ARCH	N	19-Aug-10	51	236	144	1.10	144	Y	sacrificed	N	-	-
052a_19	ARCH	N	19-Aug-10	51	235	129	0.99	129	Y	sacrificed	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
052a_20	ARCH	N	19-Aug-10	51	252	168	1.05	168	Y	net	N	-	-
052a_21	ARCH	N	19-Aug-10	51	205	98	1.14	98	Y	net	N	-	-
055a_2	ARCH	N	20-Aug-10	51	248	125	0.82	125	Y	nd	N	-	-
055a_6	ARCH	N	20-Aug-10	38	231	100	0.81	100	N	-	Y	-	-
055a_8	ARCH	N	20-Aug-10	38	206	75	0.86	75	Y	transfer	N	-	-
055a_11	ARCH	N	20-Aug-10	25	152	25	0.71	25	N	-	Y	-	-
056a_2	ARCH	N	20-Aug-10	76	142	50	1.75	33	N	-	Y	-	-
056a_6	ARCH	N	20-Aug-10	38	254	150	0.92	150	N	-	Y	-	-
056a_7	ARCH	N	20-Aug-10	38	255	175	1.06	175	Y	net	N	-	-
056a_8	ARCH	N	20-Aug-10	38	269	200	1.03	200	Y	transfer	N	-	-
056a_9	ARCH	N	20-Aug-10	38	195	75	1.01	75	N	-	Y	-	-
056a_12	ARCH	N	20-Aug-10	38	256	125	0.75	125	Y	net	N	-	-
056a_13	ARCH	N	20-Aug-10	38	272	225	1.12	225	Y	net	N	-	-
056a_14	ARCH	N	20-Aug-10	38	184	50	0.80	50	Y	net	N	-	-
056a_16	ARCH	N	20-Aug-10	38	192	100	1.41	100	N	-	Y	-	-
056a_18	ARCH	N	20-Aug-10	25	125	25	1.28	25	N	-	Y	-	-
056a_19	ARCH	N	20-Aug-10	25	126	25	1.25	25	N	-	Y	-	-
056a_20	ARCH	N	20-Aug-10	25	150	50	1.48	50	N	-	Y	-	-
056a_21	ARCH	N	20-Aug-10	25	125	25	1.28	25	N	-	Y	-	-
056a_24	ARCH	N	20-Aug-10	25	111	25	1.83	16	N	-	Y	-	-
056a_25	ARCH	N	20-Aug-10	25	227	150	1.28	150	Y	net	N	-	-
056a_27	ARCH	N	20-Aug-10	25	149	50	1.51	50	Y	net	N	-	-
056a_28	ARCH	N	20-Aug-10	25	138	25	0.95	25	Y	net	N	-	-
056a_29	ARCH	N	20-Aug-10	25	129	25	1.16	25	Y	net	N	-	-
058a_1	ARCH	N	20-Aug-10	51	281	225	1.01	225	Y	net	N	-	-
059a_2	ARCH	N	20-Aug-10	25	112	25	1.78	17	N	-	Y	-	-
059a_4	ARCH	N	20-Aug-10	38	166	100	2.19	51	N	-	Y	-	-
060a_1	ARCH	N	20-Aug-10	38	165	50	1.11	50	N	-	Y	-	-
062a_2	ARCH	N	21-Aug-10	51	204	50	0.59	90	N	-	Y	-	-
062a_4	ARCH	N	21-Aug-10	38	197	75	0.98	75	N	-	Y	-	-
062a_5	ARCH	N	21-Aug-10	38	199	100	1.27	100	N	-	Y	-	-
062a_6	ARCH	N	21-Aug-10	38	249	150	0.97	150	N	-	Y	-	-
062a_7	ARCH	N	21-Aug-10	25	135	25	1.02	25	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
062a_11	ARCH	N	21-Aug-10	25	146	25	0.80	25	Y	net	N	-	-
062a_16	ARCH	N	21-Aug-10	25	136	25	0.99	25	Y	net	N	-	-
062a_19	ARCH	N	21-Aug-10	25	136	25	0.99	25	N	-	Y	-	-
065b_4	ARCH	N	22-Aug-10	25	138	25	0.95	25	N	-	Y	-	-
065b_5	ARCH	N	22-Aug-10	25	112	25	1.78	17	N	-	Y	-	-
065c_3	ARCH	N	23-Aug-10	25	132	25	1.09	25	N	-	Y	-	-
065c_4	ARCH	N	23-Aug-10	25	120	25	1.45	25	N	-	Y	-	-
066a_2	ARCH	N	21-Aug-10	51	221	100	0.93	100	N	-	Y	-	-
066a_3	ARCH	N	21-Aug-10	38	225	50	0.44	119	N	-	Y	-	-
066a_4	ARCH	N	21-Aug-10	38	214	125	1.28	125	Y	net	N	-	-
066a_5	ARCH	N	21-Aug-10	38	186	50	0.78	50	N	-	Y	-	-
066b_1	ARCH	N	21-Aug-10	51	247	175	1.16	175	N	-	Y	-	-
066b_2	ARCH	N	21-Aug-10	25	125	25	1.28	25	N	-	Y	-	-
066c_2	ARCH	N	22-Aug-10	76	144	25	0.84	25	Y	net	N	-	-
066c_6	ARCH	N	22-Aug-10	76	226	100	0.87	100	N	-	Y	-	-
066c_9	ARCH	N	22-Aug-10	76	255	150	0.90	150	N	-	Y	-	-
066c_10	ARCH	N	22-Aug-10	76	252	150	0.94	150	N	-	Y	-	-
066c_12	ARCH	N	22-Aug-10	76	225	100	0.88	100	N	-	Y	-	-
066c_13	ARCH	N	22-Aug-10	76	270	200	1.02	200	Y	net	N	-	-
066c_15	ARCH	N	22-Aug-10	51	211	100	1.06	100	N	-	Y	-	-
066c_16	ARCH	N	22-Aug-10	38	219	100	0.95	100	N	-	Y	-	-
066c_17	ARCH	N	22-Aug-10	38	197	75	0.98	75	N	-	Y	-	-
066c_19	ARCH	N	22-Aug-10	38	114	25	1.69	18	N	-	Y	-	-
066c_20	ARCH	N	22-Aug-10	25	133	40	1.70	27	Y	net	N	-	-
066c_22	ARCH	N	22-Aug-10	25	130	50	2.28	26	N	-	Y	-	-
066d_3	ARCH	N	23-Aug-10	25	121	50	2.82	21	N	-	Y	-	-
066d_5	ARCH	N	23-Aug-10	25	120	50	2.89	20	N	-	Y	-	-
069a_1	ARCH	N	22-Aug-10	25	164	50	1.13	50	Y	net	N	-	-
070a_5	ARCH	N	23-Aug-10	51	215	50	0.50	105	N	-	Y	-	-
070a_7	ARCH	N	23-Aug-10	25	109	25	1.93	16	N	-	Y	-	-
071a_1	ARCH	N	23-Aug-10	25	120	40	2.31	20	N	-	Y	-	-
071a_2	ARCH	N	23-Aug-10	25	123	50	2.69	22	N	-	Y	-	-
071a_3	ARCH	N	23-Aug-10	38	207	100	1.13	100	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
071a_4	ARCH	N	23-Aug-10	38	277	225	1.06	225	Y	net	N	-	-
072b_1	ARCH	N	24-Aug-10	25	143	75	2.56	33	N	-	Y	-	-
072b_2	ARCH	N	24-Aug-10	25	137	50	1.94	30	Y	net	N	-	-
072b_3	ARCH	N	24-Aug-10	25	121	50	2.82	21	N	-	Y	-	-
072b_4	ARCH	N	24-Aug-10	38	197	100	1.31	100	N	-	Y	-	-
073b_1	ARCH	N	24-Aug-10	38	161	65	1.56	65	N	-	Y	-	-
073b_3	ARCH	N	24-Aug-10	25	126	30	1.50	30	N	-	Y	-	-
074a_1	ARCH	N	23-Aug-10	38	214	100	1.02	100	N	-	Y	-	-
074b_3	ARCH	N	24-Aug-10	25	119	25	1.48	25	Y	net	N	-	-
075b_4	ARCH	N	24-Aug-10	25	157	25	0.65	43	N	-	Y	-	-
076b_2	ARCH	N	24-Aug-10	38	136	25	0.99	25	N	-	Y	-	-
077a_2	ARCH	N	23-Aug-10	25	113	25	1.73	17	N	-	Y	-	-
077a_3	ARCH	N	23-Aug-10	25	111	25	1.83	16	N	-	Y	-	-
077a_5	ARCH	N	23-Aug-10	25	146	50	1.61	50	N	-	Y	-	-
077b_8	ARCH	N	24-Aug-10	25	128	25	1.19	25	N	-	Y	-	-
077b_9	ARCH	N	24-Aug-10	25	110	25	1.88	16	N	-	Y	-	-
077b_11	ARCH	N	24-Aug-10	25	158	25	0.63	44	Y	net	N	-	-
078a_6	ARCH	N	25-Aug-10	25	120	25	1.45	25	N	-	Y	-	-
078a_7	ARCH	N	25-Aug-10	25	123	30	1.61	30	N	-	Y	-	-
078a_8	ARCH	N	25-Aug-10	25	135	50	2.03	28	N	-	Y	-	-
078a_9	ARCH	N	25-Aug-10	25	119	25	1.48	25	N	-	Y	-	-
078a_10	ARCH	N	25-Aug-10	25	132	50	2.17	27	N	-	Y	-	-
079a_5	ARCH	N	25-Aug-10	51	236	200	1.52	200	Y	transfer	N	-	-
080a_1	ARCH	N	25-Aug-10	126	173	50	0.97	50	Y	net	N	-	-
080a_2	ARCH	N	25-Aug-10	38	200	100	1.25	100	Y	net	N	-	-
081a_4	ARCH	N	25-Aug-10	38	152	25	0.71	25	Y	transfer	N	-	-
081a_11	ARCH	N	25-Aug-10	25	132	25	1.09	25	N	-	Y	-	-
081a_14	ARCH	N	25-Aug-10	25	154	50	1.37	50	Y	net	N	-	-
081a_18	ARCH	N	25-Aug-10	25	134	25	1.04	25	Y	net	N	-	-
081a_19	ARCH	N	25-Aug-10	25	136	25	0.99	25	Y	net	N	-	-
082a_1	ARCH	N	25-Aug-10	51	240	175	1.27	175	Y	net	N	-	-
082a_4	ARCH	N	25-Aug-10	25	134	25	1.04	25	Y	net	N	-	-
082a_5	ARCH	N	25-Aug-10	25	119	25	1.48	25	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
082a_6	ARCH	N	25-Aug-10	25	132	25	1.09	25	N	-	Y	-	-
082a_7	ARCH	N	25-Aug-10	25	157	25	0.65	43	N	-	Y	-	-
082a_8	ARCH	N	25-Aug-10	25	128	25	1.19	25	N	-	Y	-	-
082a_9	ARCH	N	25-Aug-10	25	119	25	1.48	25	N	-	Y	-	-
082a_10	ARCH	N	25-Aug-10	25	116	25	1.60	25	N	-	Y	-	-
083a_1	ARCH	N	25-Aug-10	25	132	25	1.09	25	N	-	Y	-	-
083a_2	ARCH	N	25-Aug-10	25	138	25	0.95	25	N	-	Y	-	-
083a_3	ARCH	N	25-Aug-10	25	132	25	1.09	25	N	-	Y	-	-
083a_4	ARCH	N	25-Aug-10	25	136	25	0.99	25	N	-	Y	-	-
086a_1	ARCH	N	25-Aug-10	25	121	18	1.02	18	Y	net	N	-	-
086a_2	ARCH	N	25-Aug-10	25	128	17	0.81	17	Y	net	N	-	-
086a_4	ARCH	N	25-Aug-10	38	209	100	1.10	100	Y	net	N	-	-
086a_5	ARCH	N	25-Aug-10	51	282	300	1.34	300	N	-	Y	-	-
086a_6	ARCH	N	25-Aug-10	51	246	230	1.54	230	N	-	Y	-	-
087a_1	ARCH	N	25-Aug-10	25	196	100	1.33	100	Y	net	N	-	-
087a_2	ARCH	N	25-Aug-10	25	173	100	1.93	57	Y	net	N	-	-
087a_4	ARCH	N	25-Aug-10	38	260	200	1.14	200	Y	net	N	-	-
087a_5	ARCH	N	25-Aug-10	38	224	100	0.89	100	Y	net	N	-	-
088a_7	ARCH	N	25-Aug-10	126	100	10	1.00	10	Y	net	N	-	-
088a_8	ARCH	N	25-Aug-10	126	130	10	0.46	26	Y	net	N	-	-
089a_2	ARCH	N	25-Aug-10	38	210	110	1.19	110	Y	net	N	-	-
089a_4	ARCH	N	25-Aug-10	25	130	10	0.46	26	Y	net	N	-	-
089a_5	ARCH	N	25-Aug-10	25	135	10	0.41	28	Y	net	N	-	-
090a_1	ARCH	N	27-Aug-10	25	119	25	1.48	25	N	-	Y	-	-
091a_3	ARCH	N	27-Aug-10	25	114	25	1.69	18	Y	net	N	-	-
091a_5	ARCH	N	27-Aug-10	38	170	100	2.04	54	N	-	Y	-	-
091a_6	ARCH	N	27-Aug-10	38	160	80	1.95	46	N	-	Y	-	-
091a_9	ARCH	N	27-Aug-10	76	240	200	1.45	200	Y	net	N	-	-
092a_1	ARCH	N	27-Aug-10	76	216	100	0.99	100	Y	net	N	-	-
092a_2	ARCH	N	27-Aug-10	51	150	75	2.22	38	N	-	Y	-	-
092a_3	ARCH	N	27-Aug-10	51	199	125	1.59	125	Y	net	N	-	-
092a_4	ARCH	N	27-Aug-10	51	154	75	2.05	41	N	-	Y	-	-
092a_5	ARCH	N	27-Aug-10	51	180	100	1.71	64	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
092a_6	ARCH	N	27-Aug-10	38	126	50	2.50	23	N	-	Y	-	-
092a_7	ARCH	N	27-Aug-10	25	122	25	1.38	25	Y	net	N	-	-
092a_9	ARCH	N	27-Aug-10	25	134	75	3.12	28	Y	net	N	-	-
094a_2	ARCH	N	27-Aug-10	38	186	100	1.55	100	N	-	Y	-	-
094a_3	ARCH	N	27-Aug-10	51	229	100	0.83	100	N	-	Y	-	-
095a_2	ARCH	N	27-Aug-10	25	120	25	1.45	25	Y	net	N	-	-
095a_3	ARCH	N	27-Aug-10	25	132	80	3.48	27	Y	net	N	-	-
095a_5	ARCH	N	27-Aug-10	25	143	100	3.42	33	N	-	Y	-	-
095a_6	ARCH	N	27-Aug-10	25	119	25	1.48	25	N	-	Y	-	-
095a_9	ARCH	N	27-Aug-10	38	165	100	2.23	50	N	-	Y	-	-
095a_10	ARCH	N	27-Aug-10	38	196	125	1.66	125	N	-	Y	-	-
095a_11	ARCH	N	27-Aug-10	38	195	100	1.35	100	N	-	Y	-	-
095a_13	ARCH	N	27-Aug-10	51	240	150	1.09	150	Y	net	N	-	-
095a_16	ARCH	N	27-Aug-10	51	290	300	1.23	300	N	-	Y	-	-
095a_17	ARCH	N	27-Aug-10	51	214	150	1.53	150	N	-	Y	-	-
096a_3	ARCH	N	27-Aug-10	38	220	108	1.01	108	Y	net	N	-	-
096a_4	ARCH	N	27-Aug-10	38	193	76	1.06	76	Y	net	N	-	-
096a_5	ARCH	N	27-Aug-10	38	253	159	0.98	159	Y	net	N	-	-
096a_8	ARCH	N	27-Aug-10	25	150	34	1.01	34	Y	net	N	-	-
096a_9	ARCH	N	27-Aug-10	25	145	34	1.12	34	Y	net	N	-	-
096a_10	ARCH	N	27-Aug-10	25	125	23	1.18	23	Y	net	N	-	-
096a_12	ARCH	N	27-Aug-10	25	130	28	1.27	28	Y	net	N	-	-
096a_13	ARCH	N	27-Aug-10	25	142	29	1.01	29	Y	net	N	-	-
096a_15	ARCH	N	27-Aug-10	25	130	21	0.96	21	Y	net	N	-	-
097a_7	ARCH	N	27-Aug-10	25	110	17	1.28	17	Y	net	N	-	-
097a_8	ARCH	N	27-Aug-10	25	120	15	0.87	15	Y	net	N	-	-
100a_2	ARCH	N	27-Aug-10	25	130	21	0.96	21	Y	net	N	-	-
100a_3	ARCH	N	27-Aug-10	25	125	22	1.13	22	Y	net	N	-	-
101a_5	ARCH	N	27-Aug-10	51	190	73	1.06	73	Y	net	N	-	-
101a_6	ARCH	N	27-Aug-10	38	192	86	1.22	86	Y	net	N	-	-
101a_7	ARCH	N	27-Aug-10	25	122	21	1.16	21	Y	net	N	-	-
102a_1	ARCH	N	28-Aug-10	25	122	12	0.66	12	N	-	Y	-	-
102a_2	ARCH	N	28-Aug-10	25	119	20	1.19	20	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
102a_3	ARCH	N	28-Aug-10	25	135	24	0.98	24	N	-	Y	-	-
102a_5	ARCH	N	28-Aug-10	25	121	20	1.13	20	Y	net	N	-	-
102a_6	ARCH	N	28-Aug-10	25	120	25	1.45	25	Y	net	N	-	-
105a_1	ARCH	N	28-Aug-10	38	168	25	0.53	25	N	-	Y	-	-
105a_2	ARCH	N	28-Aug-10	38	185	30	0.47	30	N	-	Y	-	-
105a_4	ARCH	N	28-Aug-10	25	127	12	0.59	12	N	-	Y	-	-
105a_5	ARCH	N	28-Aug-10	25	122	10	0.55	21	N	-	Y	-	-
105a_6	ARCH	N	28-Aug-10	25	127	12	0.59	12	N	-	Y	-	-
106a_2	ARCH	N	28-Aug-10	25	120	18	1.04	18	N	-	Y	-	-
107a_2	ARCH	N	28-Aug-10	25	123	5	0.27	22	N	-	Y	-	-
108a_4	ARCH	N	29-Aug-10	76	252	150	0.94	150	Y	net	N	-	-
108a_7	ARCH	N	29-Aug-10	51	155	50	1.34	50	Y	net	N	-	-
108a_9	ARCH	N	29-Aug-10	51	170	50	1.02	50	Y	net	N	-	-
108a_10	ARCH	N	29-Aug-10	38	138	40	1.52	40	Y	net	N	-	-
108a_12	ARCH	N	29-Aug-10	38	126	50	2.50	23	N	-	Y	-	-
108a_15	ARCH	N	29-Aug-10	25	120	50	2.89	20	Y	net	N	-	-
108b_3	ARCH	N	30-Aug-10	38	155	30	0.81	30	Y	net	N	-	-
109a_1	ARCH	N	29-Aug-10	25	122	50	2.75	21	Y	net	N	-	-
110a_5	ARCH	N	29-Aug-10	25	125	40	2.05	23	N	-	Y	-	-
110a_6	ARCH	N	29-Aug-10	25	129	40	1.86	25	N	-	Y	-	-
110b_1	ARCH	N	30-Aug-10	38	205	75	0.87	75	N	-	Y	-	-
112a_5	ARCH	N	29-Aug-10	38	155	100	2.69	42	N	-	Y	-	-
116a_1	ARCH	N	30-Aug-10	38	200	200	2.50	86	N	-	Y	-	-
116a_2	ARCH	N	30-Aug-10	38	130	50	2.28	26	N	-	Y	-	-
117a_3	ARCH	N	30-Aug-10	25	141	75	2.68	32	N	-	Y	-	-
117a_6	ARCH	N	30-Aug-10	25	128	50	2.38	24	Y	net	N	-	-
120a_1	ARCH	N	30-Aug-10	25	110	50	3.76	16	Y	transfer	N	-	-
120a_2	ARCH	N	30-Aug-10	25	120	50	2.89	20	N	-	Y	-	-
120a_4	ARCH	N	30-Aug-10	38	160	100	2.44	46	N	-	Y	-	-
123a_1	ARCH	N	31-Aug-10	25	125	18	0.92	18	Y	net	N	-	-
124a_1	ARCH	N	31-Aug-10	25	120	50	2.89	20	Y	net	N	-	-
126a_8	ARCH	N	31-Aug-10	25	110	50	3.76	16	N	-	Y	-	-
126a_9	ARCH	N	31-Aug-10	25	125	50	2.56	23	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
126a_10	ARCH	N	31-Aug-10	25	148	75	2.31	37	Y	net	N	-	-
128a_1	ARCH	N	31-Aug-10	51	235	200	1.54	200	N	-	Y	-	-
128a_2	ARCH	N	31-Aug-10	51	230	200	1.64	200	N	-	Y	-	-
128a_4	ARCH	N	31-Aug-10	38	168	100	2.11	52	Y	net	N	-	-
128a_5	ARCH	N	31-Aug-10	38	112	50	3.56	17	Y	net	N	-	-
132a_3	ARCH	N	31-Aug-10	25	190	100	1.46	100	N	-	Y	-	-
132a_4	ARCH	N	31-Aug-10	25	130	25	1.14	25	N	-	Y	-	-
132a_5	ARCH	N	31-Aug-10	25	120	100	5.79	20	N	-	Y	-	-
132a_6	ARCH	N	31-Aug-10	76	110	25	1.88	25	Y	net	N	-	-
134a_2	ARCH	Y	31-Aug-10	25	120	19	1.10	19	Y	net	N	-	3
134a_3	ARCH	N	31-Aug-10	25	100	25	2.50	12	N	-	Y	-	-
134a_4	ARCH	N	31-Aug-10	25	110	25	1.88	16	N	-	Y	-	-
134a_5	ARCH	N	31-Aug-10	25	110	25	1.88	16	N	-	Y	-	-
135a_1	ARCH	N	1-Sep-10	25	123	100	5.37	22	Y	net	N	-	-
135a_3	ARCH	N	1-Sep-10	38	155	100	2.69	42	N	-	Y	-	-
136a_1	ARCH	N	1-Sep-10	25	150	32	0.95	32	Y	net	N	-	-
136a_2	ARCH	N	1-Sep-10	25	125	20	1.02	20	Y	net	N	-	-
136a_4	ARCH	Y	1-Sep-10	38	120	20	1.16	20	Y	net	N	-	3
138a_3	ARCH	N	1-Sep-10	25	155	34	0.91	34	Y	net	N	-	-
138a_5	ARCH	N	1-Sep-10	51	295	200	0.78	200	N	-	Y	-	-
139a_1	ARCH	N	1-Sep-10	25	110	25	1.88	16	N	-	Y	-	-
139a_2	ARCH	N	1-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
141a_1	ARCH	N	1-Sep-10	25	110	25	1.88	16	Y	net	N	-	-
143a_1	ARCH	N	1-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
143a_3	ARCH	N	1-Sep-10	38	200	50	0.63	86	Y	net	N	-	-
143a_4	ARCH	N	1-Sep-10	38	165	50	1.11	50	N	-	Y	-	-
145a_2	ARCH	N	1-Sep-10	25	129	100	4.66	25	N	-	Y	-	-
146a_1	ARCH	N	1-Sep-10	25	151	75	2.18	39	N	-	Y	-	-
146a_3	ARCH	N	1-Sep-10	25	124	50	2.62	22	N	-	Y	-	-
146a_4	ARCH	N	1-Sep-10	25	155	75	2.01	42	N	-	Y	-	-
146a_5	ARCH	N	1-Sep-10	25	130	50	2.28	26	N	-	Y	-	-
146a_6	ARCH	Y	1-Sep-10	38	168	100	2.11	52	Y	net	N	-	4
148a_1	ARCH	N	2-Sep-10	76	150	100	2.96	38	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
148a_3	ARCH	N	2-Sep-10	51	160	100	2.44	46	N	-	Y	-	-
149a_4	ARCH	N	2-Sep-10	38	190	100	1.46	100	N	-	Y	-	-
150a_1	ARCH	N	2-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
150a_4	ARCH	N	2-Sep-10	38	180	100	1.71	64	N	-	Y	-	-
150a_7	ARCH	N	2-Sep-10	51	230	100	0.82	100	N	-	Y	-	-
151a_1	ARCH	N	3-Sep-10	25	140	20	0.73	20	N	-	Y	-	-
151a_2	ARCH	N	3-Sep-10	25	180	50	0.86	50	Y	net	N	-	-
151a_3	ARCH	N	3-Sep-10	25	130	25	1.14	25	N	-	Y	-	-
151a_4	ARCH	N	3-Sep-10	25	145	25	0.82	25	Y	net	N	-	-
151a_5	ARCH	N	3-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
152a_1	ARCH	N	3-Sep-10	25	145	25	0.82	25	Y	net	N	-	-
154a_1	ARCH	N	3-Sep-10	25	150	25	0.74	25	N	-	Y	-	-
154a_2	ARCH	N	3-Sep-10	25	145	25	0.82	25	N	-	Y	-	-
159a_1	ARCH	N	4-Sep-10	38	170	20	0.41	54	N	-	Y	-	-
161b_4	ARCH	N	4-Sep-10	51	215	100	1.01	100	Y	net	N	-	-
161b_5	ARCH	N	4-Sep-10	51	150	50	1.48	50	Y	net	N	-	-
161b_6	ARCH	N	4-Sep-10	51	145	50	1.64	35	N	-	Y	-	-
161b_8	ARCH	N	4-Sep-10	51	110	25	1.88	16	N	-	Y	-	-
161d_1	ARCH	N	6-Sep-10	25	151	34	0.99	34	Y	net	N	-	-
161d_2	ARCH	N	6-Sep-10	25	120	19	1.10	19	Y	net	N	-	-
162c_1	ARCH	N	4-Sep-10	25	128	75	3.58	24	N	-	Y	-	-
162c_2	ARCH	N	4-Sep-10	25	135	75	3.05	28	Y	net	N	-	-
162c_3	ARCH	N	4-Sep-10	25	147	100	3.15	36	Y	net	N	-	-
162d_1	ARCH	N	5-Sep-10	25	150	25	0.74	25	Y	net	N	-	-
162e_1	ARCH	N	6-Sep-10	38	125	50	2.56	23	N	-	Y	-	-
162e_2	ARCH	N	6-Sep-10	38	123	50	2.69	22	N	-	Y	-	-
162f_1	ARCH	N	7-Sep-10	25	113	25	1.73	17	N	-	Y	-	-
162f_3	ARCH	N	7-Sep-10	25	123	25	1.34	25	N	-	Y	-	-
164a_3	ARCH	N	3-Sep-10	25	127	50	2.44	24	N	-	Y	-	-
164b_2	ARCH	N	3-Sep-10	25	120	50	2.89	20	N	-	Y	-	-
164c_9	ARCH	N	4-Sep-10	25	125	50	2.56	23	Y	net	N	-	-
164c_10	ARCH	N	4-Sep-10	25	140	100	3.64	31	N	-	Y	-	-
164c_11	ARCH	N	4-Sep-10	25	110	50	3.76	16	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
164c_12	ARCH	N	4-Sep-10	25	140	50	1.82	31	N	-	Y	-	-
164c_13	ARCH	N	4-Sep-10	25	150	100	2.96	38	N	-	Y	-	-
164c_14	ARCH	N	4-Sep-10	25	135	100	4.06	28	N	-	Y	-	-
164c_15	ARCH	N	4-Sep-10	25	150	100	2.96	38	Y	net	N	-	-
164c_16	ARCH	N	4-Sep-10	25	145	100	3.28	35	N	-	Y	-	-
164d_2	ARCH	N	5-Sep-10	38	231	125	1.01	125	Y	net	N	-	-
164d_6	ARCH	N	5-Sep-10	25	135	50	2.03	28	N	-	Y	-	-
164d_8	ARCH	N	5-Sep-10	25	158	50	1.27	50	Y	net	N	-	-
164e_2	ARCH	Y	6-Sep-10	51	207	100	1.13	100	Y	net	N	-	4
164f_2	ARCH	N	7-Sep-10	51	130	25	1.14	25	N	-	Y	-	-
164f_3	ARCH	N	7-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
164h_5	ARCH	N	8-Sep-10	25	140	50	1.82	31	N	-	Y	-	-
164i_3	ARCH	N	9-Sep-10	25	157	50	1.29	50	N	-	Y	-	-
164i_5	ARCH	N	9-Sep-10	25	141	50	1.78	32	N	-	Y	-	-
164i_6	ARCH	N	9-Sep-10	25	116	25	1.60	25	N	-	Y	-	-
164i_9	ARCH	N	9-Sep-10	38	138	50	1.90	30	Y	net	N	-	-
164j_1	ARCH	N	10-Sep-10	38	211	100	1.06	100	N	-	Y	-	-
164j_2	ARCH	N	10-Sep-10	38	260	150	0.85	150	Y	net	N	-	-
164k_1	ARCH	N	10-Sep-10	25	128	50	2.38	24	N	-	Y	-	-
164l_2	ARCH	N	11-Sep-10	25	147	50	1.57	50	N	-	Y	-	-
164m_1	ARCH	N	12-Sep-10	38	157	50	1.29	50	N	-	Y	-	-
164m_2	ARCH	N	12-Sep-10	25	133	50	2.13	27	Y	net	N	-	-
164m_6	ARCH	N	12-Sep-10	51	180	200	3.43	64	N	-	Y	-	-
164m_10	ARCH	N	12-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
164m_11	ARCH	N	12-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
164m_12	ARCH	N	12-Sep-10	25	155	100	2.69	42	N	-	Y	-	-
166a_1	ARCH	N	4-Sep-10	25	130	50	2.28	26	N	-	Y	-	-
166a_2	ARCH	N	4-Sep-10	25	170	100	2.04	54	N	-	Y	-	-
167a_2	ARCH	N	5-Sep-10	38	185	100	1.58	100	N	-	Y	-	-
170a_2	ARCH	N	4-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
170a_6	ARCH	N	4-Sep-10	51	270	150	0.76	150	N	-	Y	-	-
171a_1	ARCH	Y	4-Sep-10	25	130	25	1.14	25	Y	net	N	-	3
172a_1	ARCH	N	4-Sep-10	25	120	25	1.45	25	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
172a_2	ARCH	N	4-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
172a_3	ARCH	N	4-Sep-10	25	135	50	2.03	28	N	-	Y	-	-
172a_5	ARCH	N	4-Sep-10	38	200	100	1.25	100	Y	net	N	-	-
172a_6	ARCH	N	4-Sep-10	51	170	50	1.02	50	N	-	Y	-	-
172a_7	ARCH	N	4-Sep-10	51	240	100	0.72	100	N	-	Y	-	-
174b_1	ARCH	N	5-Sep-10	25	160	50	1.22	50	Y	net	N	-	-
174b_2	ARCH	N	5-Sep-10	25	135	50	2.03	28	N	-	Y	-	-
174c_1	ARCH	N	6-Sep-10	25	108	25	1.98	15	N	-	Y	-	-
174c_2	ARCH	N	6-Sep-10	25	148	25	0.77	25	N	-	Y	-	-
174c_3	ARCH	N	6-Sep-10	25	143	25	0.85	25	N	-	Y	-	-
174c_4	ARCH	N	6-Sep-10	25	130	25	1.14	25	N	-	Y	-	-
176a_1	ARCH	N	4-Sep-10	38	180	50	0.86	50	N	-	Y	-	-
177b_1	ARCH	N	5-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
177d_1	ARCH	N	7-Sep-10	25	132	25	1.09	25	N	-	Y	-	-
178a_3	ARCH	N	4-Sep-10	12.5	90	20	2.74	9	N	-	Y	-	-
179a_1	ARCH	N	5-Sep-10	38	165	25	0.56	50	N	-	Y	-	-
179a_2	ARCH	N	5-Sep-10	25	150	20	0.59	38	N	-	Y	-	-
179b_1	ARCH	N	6-Sep-10	38	170	70	1.42	70	N	-	Y	-	-
179c_1	ARCH	N	7-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
179c_2	ARCH	N	7-Sep-10	25	130	50	2.28	26	N	-	Y	-	-
179c_6	ARCH	N	7-Sep-10	38	125	25	1.28	25	N	-	Y	-	-
179c_7	ARCH	N	7-Sep-10	38	165	60	1.34	60	N	-	Y	-	-
179c_8	ARCH	N	7-Sep-10	76	124	25	1.31	25	N	-	Y	-	-
180c_1	ARCH	N	10-Sep-10	38	158	31	0.79	31	Y	net	N	-	-
180d_5	ARCH	N	11-Sep-10	25	115	25	1.64	18	N	-	Y	-	-
182h_1	ARCH	N	16-Sep-10	25	118	15	0.91	15	N	-	Y	-	-
183b_2	ARCH	N	13-Sep-10	25	124	25	1.31	25	N	-	Y	-	-
183e_1	ARCH	N	15-Sep-10	25	123	25	1.34	25	N	-	Y	-	-
183f_2	ARCH	N	16-Sep-10	25	130	50	2.28	26	Y	transfer	N	-	-
183f_3	ARCH	N	16-Sep-10	25	126	40	2.00	23	N	-	Y	-	-
184a_1	ARCH	N	13-Sep-10	25	154	100	2.74	41	N	-	Y	-	-
184a_2	ARCH	N	13-Sep-10	25	131	75	3.34	26	N	-	Y	-	-
184a_3	ARCH	N	13-Sep-10	25	128	50	2.38	24	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
185b_1	ARCH	N	19-Sep-10	25	135	50	2.03	28	N	-	Y	-	-
185b_3	ARCH	Y	19-Sep-10	38	205	125	1.45	125	Y	net	N	-	4
185d_1	ARCH	N	21-Sep-10	25	160	25	0.61	46	Y	net	N	-	-
185d_2	ARCH	N	21-Sep-10	25	126	15	0.75	15	N	-	Y	-	-
185g_2	ARCH	N	24-Sep-10	25	135	23	0.93	23	N	-	Y	-	-
185j_1	ARCH	N	29-Sep-10	25	140	27	0.98	27	N	-	Y	-	-
186h_1	ARCH	N	25-Sep-10	25	120	20	1.16	20	N	-	Y	-	-
186i_1	ARCH	N	27-Sep-10	38	201	62	0.76	62	N	-	Y	-	-
186o_1	ARCH	N	4-Oct-10	25	121	16	0.90	16	N	-	Y	-	-
186o_2	ARCH	N	4-Oct-10	25	98	11	1.17	11	N	-	Y	-	-
186o_3	ARCH	N	4-Oct-10	38	169	52	1.08	52	N	-	Y	-	-
187i_1	ARCH	N	27-Sep-10	38	195	72	0.97	72	N	-	Y	-	-
190a_1	ARCH	N	5-Sep-10	51	290	200	0.82	200	N	-	Y	-	-
190a_4	ARCH	N	5-Sep-10	25	140	25	0.91	25	N	-	Y	-	-
190a_5	ARCH	N	5-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
190a_6	ARCH	N	5-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
190a_8	ARCH	N	5-Sep-10	25	145	25	0.82	25	N	-	Y	-	-
190a_9	ARCH	N	5-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
190a_10	ARCH	N	5-Sep-10	25	150	25	0.74	25	N	-	Y	-	-
190a_11	ARCH	N	5-Sep-10	25	100	25	2.50	12	Y	net	N	-	-
190b_1	ARCH	N	6-Sep-10	12.5	136	25	0.99	25	N	-	Y	-	-
190b_2	ARCH	N	6-Sep-10	12.5	125	25	1.28	25	Y	net	N	-	-
190b_3	ARCH	N	6-Sep-10	12.5	150	50	1.48	50	Y	net	N	-	-
190b_4	ARCH	N	6-Sep-10	12.5	140	50	1.82	31	Y	net	N	-	-
190b_5	ARCH	N	6-Sep-10	12.5	135	25	1.02	25	Y	net	N	-	-
190b_6	ARCH	N	6-Sep-10	38	125	20	1.02	20	Y	net	N	-	-
190c_1	ARCH	N	7-Sep-10	51	250	150	0.96	150	N	-	Y	-	-
190c_2	ARCH	N	7-Sep-10	25	121	25	1.41	25	N	-	Y	-	-
190c_3	ARCH	N	7-Sep-10	25	119	25	1.48	25	N	-	Y	-	-
190c_4	ARCH	N	7-Sep-10	25	109	25	1.93	16	N	-	Y	-	-
190c_5	ARCH	N	7-Sep-10	25	123	25	1.34	25	N	-	Y	-	-
190c_6	ARCH	N	7-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
190c_7	ARCH	Y	7-Sep-10	25	135	25	1.02	25	Y	net	N	-	4

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
190c_8	ARCH	N	7-Sep-10	25	126	25	1.25	25	Y	net	N	-	-
190c_9	ARCH	N	7-Sep-10	25	135	25	1.02	25	N	-	Y	-	-
190c_11	ARCH	N	7-Sep-10	25	145	25	0.82	25	N	-	Y	-	-
190c_12	ARCH	N	7-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
190c_13	ARCH	N	7-Sep-10	25	125	25	1.28	25	Y	net	N	-	-
190d_4	ARCH	N	8-Sep-10	25	149	25	0.76	25	Y	net	N	-	-
190d_5	ARCH	N	8-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
190d_6	ARCH	N	8-Sep-10	25	129	25	1.16	25	N	-	Y	-	-
190d_7	ARCH	N	8-Sep-10	25	136	25	0.99	25	N	-	Y	-	-
190d_8	ARCH	N	8-Sep-10	25	128	25	1.19	25	N	-	Y	-	-
190d_9	ARCH	N	8-Sep-10	25	123	25	1.34	25	N	-	Y	-	-
190d_10	ARCH	N	8-Sep-10	25	128	25	1.19	25	N	-	Y	-	-
190d_11	ARCH	N	8-Sep-10	25	116	25	1.60	25	N	-	Y	-	-
190d_12	ARCH	N	8-Sep-10	25	120	25	1.45	25	Y	net	N	-	-
190d_13	ARCH	N	8-Sep-10	25	141	25	0.89	25	N	-	Y	-	-
190d_14	ARCH	N	8-Sep-10	25	144	25	0.84	25	Y	net	N	-	-
190e_2	ARCH	N	9-Sep-10	25	120	25	1.45	25	Y	net	N	-	-
190e_3	ARCH	N	9-Sep-10	25	135	25	1.02	25	N	-	Y	-	-
190e_4	ARCH	N	9-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
190e_5	ARCH	N	9-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
190e_6	ARCH	N	9-Sep-10	25	132	25	1.09	25	Y	net	N	-	-
190e_7	ARCH	N	9-Sep-10	25	129	25	1.16	25	Y	net	N	-	-
190e_8	ARCH	N	9-Sep-10	25	129	25	1.16	25	Y	net	N	-	-
191a_1	ARCH	N	5-Sep-10	25	150	50	1.48	50	Y	net	N	-	-
191a_3	ARCH	N	5-Sep-10	38	180	100	1.71	64	N	-	Y	-	-
191b_1	ARCH	N	6-Sep-10	25	160	50	1.22	50	N	-	Y	-	-
191c_1	ARCH	N	7-Sep-10	38	189	75	1.11	75	N	-	Y	-	-
191d_3	ARCH	N	8-Sep-10	25	128	25	1.19	25	N	-	Y	-	-
191d_4	ARCH	N	8-Sep-10	25	132	25	1.09	25	N	-	Y	-	-
192a_1	ARCH	Y	5-Sep-10	51	310	250	0.84	250	Y	net	N	-	6
192a_3	ARCH	N	5-Sep-10	51	203	100	1.20	100	N	-	Y	-	-
192a_4	ARCH	N	5-Sep-10	38	135	50	2.03	28	N	-	Y	-	-
192a_5	ARCH	N	5-Sep-10	25	110	25	1.88	16	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
192a_6	ARCH	N	5-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
192a_7	ARCH	N	5-Sep-10	25	220	100	0.94	100	N	-	Y	-	-
192a_8	ARCH	N	5-Sep-10	25	110	25	1.88	16	N	-	Y	-	-
192b_2	ARCH	N	6-Sep-10	76	155	50	1.34	50	N	-	Y	-	-
192b_4	ARCH	N	6-Sep-10	38	150	50	1.48	50	N	-	Y	-	-
192b_5	ARCH	N	6-Sep-10	38	230	100	0.82	100	Y	net	N	-	-
192b_7	ARCH	N	6-Sep-10	38	205	100	1.16	100	N	-	Y	-	-
192b_8	ARCH	N	6-Sep-10	38	200	50	0.63	86	Y	net	N	-	-
192b_10	ARCH	N	6-Sep-10	25	150	50	1.48	50	Y	net	N	-	-
192c_2	ARCH	N	7-Sep-10	25	140	50	1.82	31	N	-	Y	-	-
192c_4	ARCH	N	7-Sep-10	25	120	50	2.89	20	N	-	Y	-	-
192c_5	ARCH	N	7-Sep-10	38	218	100	0.97	100	Y	net	N	-	-
192c_8	ARCH	Y	7-Sep-10	51	348	400	0.95	400	Y	net	N	-	7
192c_9	ARCH	Y	7-Sep-10	51	270	200	1.02	200	Y	net	N	-	6
192d_1	ARCH	N	8-Sep-10	25	137	25	0.97	25	N	-	Y	-	-
193a_1	ARCH	N	5-Sep-10	25	110	25	1.88	16	Y	net	N	-	-
193a_2	ARCH	N	5-Sep-10	25	130	25	1.14	25	N	-	Y	-	-
193a_3	ARCH	N	5-Sep-10	38	165	100	2.23	50	Y	net	N	-	-
193a_4	ARCH	N	5-Sep-10	38	130	20	0.91	20	Y	net	N	-	-
193a_5	ARCH	N	5-Sep-10	38	110	20	1.50	20	Y	net	N	-	-
193b_20	ARCH	N	6-Sep-10	38	165	100	2.23	50	N	-	Y	-	-
193b_21	ARCH	N	6-Sep-10	25	110	50	3.76	16	N	-	Y	-	-
193b_22	ARCH	N	6-Sep-10	25	110	25	1.88	16	N	-	Y	-	-
193b_23	ARCH	N	6-Sep-10	25	130	50	2.28	26	N	-	Y	-	-
193c_10	ARCH	N	7-Sep-10	12.5	272	200	0.99	200	N	-	Y	-	-
193c_11	ARCH	N	7-Sep-10	12.5	109	25	1.93	16	N	-	Y	-	-
193c_13	ARCH	N	7-Sep-10	12.5	90	20	2.74	9	Y	net	N	-	-
193c_16	ARCH	N	7-Sep-10	12.5	87	25	3.80	8	N	-	Y	-	-
193c_18	ARCH	N	7-Sep-10	12.5	102	50	4.71	13	Y	net	N	-	-
193c_19	ARCH	N	7-Sep-10	12.5	86	50	7.86	8	N	-	Y	-	-
193c_2	ARCH	N	7-Sep-10	25	135	25	1.02	25	Y	net	N	-	-
193c_4	ARCH	Y	7-Sep-10	25	136	25	0.99	25	Y	net	N	-	6
193c_5	ARCH	Y	7-Sep-10	25	135	20	0.81	20	Y	net	N	-	6

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
193c_7	ARCH	N	7-Sep-10	25	157	50	1.29	50	Y	net	N	-	-
193d_3	ARCH	N	8-Sep-10	25	116	25	1.60	25	N	-	Y	-	-
193d_5	ARCH	N	8-Sep-10	38	196	75	1.00	75	N	-	Y	-	-
193f_11	ARCH	N	10-Sep-10	38	228	100	0.84	100	Y	net	N	-	-
194a_3	ARCH	N	7-Sep-10	25	110	25	1.88	16	Y	net	N	-	-
194b_3	ARCH	N	8-Sep-10	25	121	25	1.41	25	Y	net	N	-	-
194b_8	ARCH	N	8-Sep-10	25	124	25	1.31	25	N	-	Y	-	-
194c_2	ARCH	N	9-Sep-10	38	128	25	1.19	25	N	-	Y	-	-
194d_2	ARCH	N	10-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
194e_1	ARCH	N	11-Sep-10	38	201	50	0.62	87	Y	net	N	-	-
194e_2	ARCH	N	11-Sep-10	38	120	25	1.45	25	Y	net	N	-	-
194e_3	ARCH	N	11-Sep-10	25	110	25	1.88	16	Y	net	N	-	-
194f_1	ARCH	N	13-Sep-10	25	123	25	1.34	25	N	-	Y	-	-
194f_2	ARCH	N	13-Sep-10	25	117	25	1.56	25	N	-	Y	-	-
194f_6	ARCH	N	13-Sep-10	25	130	25	1.14	25	N	-	Y	-	-
194f_12	ARCH	Y	13-Sep-10	38	184	75	1.20	75	Y	net	N	-	3
196a_1	ARCH	N	9-Sep-10	51	274	200	0.97	200	Y	net	N	-	-
196a_2	ARCH	N	9-Sep-10	38	187	100	1.53	100	Y	net	N	-	-
196d_4	ARCH	N	13-Sep-10	25	113	25	1.73	17	N	-	Y	-	-
196d_5	ARCH	N	13-Sep-10	25	128	25	1.19	25	N	-	Y	-	-
196d_6	ARCH	N	13-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
196d_7	ARCH	N	13-Sep-10	25	112	25	1.78	17	N	-	Y	-	-
198a_2	ARCH	N	9-Sep-10	38	210	75	0.81	75	Y	net	N	-	-
198a_3	ARCH	N	9-Sep-10	38	178	50	0.89	50	N	-	Y	-	-
198a_4	ARCH	N	9-Sep-10	51	158	50	1.27	50	Y	net	N	-	-
198d_1	ARCH	N	13-Sep-10	25	nd	nd	nd	nd	Y	net	N	-	-
198d_2	ARCH	N	13-Sep-10	25	121	25	1.41	25	Y	net	N	-	-
198d_4	ARCH	N	13-Sep-10	51	203	100	1.20	100	N	-	Y	-	-
198f_1	ARCH	N	15-Sep-10	25	112	50	3.56	17	N	-	Y	-	-
198m_2	ARCH	N	22-Sep-10	38	163	47	1.09	47	N	-	Y	-	-
199b_2	ARCH	N	10-Sep-10	12.5	68	25	7.95	4	N	-	Y	-	-
200a_1	ARCH	N	10-Sep-10	25	125	15	0.77	15	N	-	Y	-	-
200a_2	ARCH	N	10-Sep-10	25	148	25	0.77	25	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
200a_3	ARCH	N	10-Sep-10	25	145	25	0.82	25	N	-	Y	-	-
200a_4	ARCH	N	10-Sep-10	25	120	15	0.87	15	N	-	Y	-	-
200b_1	ARCH	N	11-Sep-10	25	154	50	1.37	50	N	-	Y	-	-
200b_2	ARCH	N	11-Sep-10	25	146	50	1.61	50	N	-	Y	-	-
200b_3	ARCH	N	11-Sep-10	25	140	50	1.82	31	N	-	Y	-	-
200c_2	ARCH	N	12-Sep-10	25	121	25	1.41	25	N	-	Y	-	-
200c_3	ARCH	N	12-Sep-10	25	146	25	0.80	25	Y	net	N	-	-
200d_3	ARCH	Y	13-Sep-10	25	125	50	2.56	23	Y	net	N	-	3
200d_4	ARCH	N	13-Sep-10	25	144	50	1.67	34	N	-	Y	-	-
200d_5	ARCH	N	13-Sep-10	25	143	50	1.71	33	N	-	Y	-	-
200e_1	ARCH	N	14-Sep-10	25	126	25	1.25	25	Y	net	N	-	-
200e_2	ARCH	N	14-Sep-10	25	124	25	1.31	25	N	-	Y	-	-
200f_1	ARCH	N	15-Sep-10	25	119	25	1.48	25	N	-	Y	-	-
200g_1	ARCH	N	16-Sep-10	51	298	300	1.13	300	N	-	Y	-	-
200g_2	ARCH	Y	16-Sep-10	25	124	20	1.05	20	Y	net	N	-	4
200i_1	ARCH	N	18-Sep-10	25	136	25	0.99	25	N	-	Y	-	-
200i_2	ARCH	N	18-Sep-10	25	137	25	0.97	25	N	-	Y	-	-
200l_1	ARCH	N	21-Sep-10	25	155	35	0.94	35	N	-	Y	-	-
200m_1	ARCH	N	22-Sep-10	25	132	50	2.17	27	N	-	Y	-	-
200n_1	ARCH	N	23-Sep-10	25	114	16	1.08	16	Y	net	N	-	-
201a_1	ARCH	N	10-Sep-10	38	158	50	1.27	50	N	-	Y	-	-
201a_3	ARCH	N	10-Sep-10	25	130	25	1.14	25	N	-	Y	-	-
201a_4	ARCH	N	10-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
201a_5	ARCH	N	10-Sep-10	25	141	25	0.89	25	Y	net	N	-	-
201b_3	ARCH	N	11-Sep-10	25	127	25	1.22	25	N	-	Y	-	-
201b_4	ARCH	N	11-Sep-10	25	122	25	1.38	25	N	-	Y	-	-
201b_5	ARCH	N	11-Sep-10	25	119	25	1.48	25	N	-	Y	-	-
201b_6	ARCH	N	11-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
201c_1	ARCH	N	12-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
201d_1	ARCH	Y	13-Sep-10	25	118	25	1.52	25	Y	net	N	-	4
201g_1	ARCH	N	16-Sep-10	25	134	25	1.04	25	N	-	Y	-	-
201g_3	ARCH	N	16-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
203a_1	ARCH	N	10-Sep-10	25	118	25	1.52	25	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
203a_2	ARCH	N	10-Sep-10	25	122	25	1.38	25	N	-	Y	-	-
203a_3	ARCH	N	10-Sep-10	25	131	25	1.11	25	N	-	Y	-	-
203b_1	ARCH	N	11-Sep-10	25	137	25	0.97	25	N	-	Y	-	-
203b_2	ARCH	N	11-Sep-10	25	143	25	0.85	25	N	-	Y	-	-
203c_2	ARCH	Y	13-Sep-10	25	105	25	2.16	14	Y	net	N	-	3
203c_4	ARCH	N	13-Sep-10	38	170	25	0.51	54	N	-	Y	-	-
203d_5	ARCH	N	14-Sep-10	25	144	50	1.67	34	N	-	Y	-	-
204c_1	ARCH	N	13-Sep-10	38	194	50	0.68	50	N	-	Y	-	-
205a_1	ARCH	N	11-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
205a_2	ARCH	N	11-Sep-10	25	127	25	1.22	25	N	-	Y	-	-
205a_3	ARCH	N	11-Sep-10	25	144	25	0.84	25	N	-	Y	-	-
205a_4	ARCH	N	11-Sep-10	25	134	25	1.04	25	N	-	Y	-	-
205a_5	ARCH	N	11-Sep-10	25	115	25	1.64	18	N	-	Y	-	-
205a_6	ARCH	Y	11-Sep-10	38	183	75	1.22	75	Y	net	N	-	3
205b_4	ARCH	N	12-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
205c_2	ARCH	N	13-Sep-10	38	142	25	0.87	25	N	-	Y	-	-
205e_2	ARCH	Y	15-Sep-10	25	122	25	1.38	25	Y	net	N	-	2
205f_1	ARCH	N	16-Sep-10	51	238	200	1.48	200	N	-	Y	-	-
205f_2	ARCH	N	16-Sep-10	25	114	18	1.21	18	N	-	Y	-	-
205j_2	ARCH	N	20-Sep-10	25	123	25	1.34	25	Y	net	N	-	-
205k_1	ARCH	N	21-Sep-10	25	141	32	1.14	32	Y	net	N	-	-
205l_3	ARCH	N	22-Sep-10	25	122	25	1.38	25	N	-	Y	-	-
205l_5	ARCH	N	22-Sep-10	25	120	14	0.81	14	Y	net	N	-	-
205m_1	ARCH	N	23-Sep-10	76	138	26	0.99	26	N	-	Y	-	-
205n_1	ARCH	N	24-Sep-10	25	114	16	1.08	16	Y	net	N	-	-
205r_1	ARCH	N	29-Sep-10	38	138	30	1.14	30	Y	net	N	-	-
206a_18	ARCH	N	11-Sep-10	25	180	25	0.43	64	N	-	Y	-	-
206a_3	ARCH	N	11-Sep-10	12.5	90	25	3.43	9	Y	net	N	-	-
206a_7	ARCH	N	11-Sep-10	12.5	95	25	2.92	11	N	-	Y	-	-
206a_9	ARCH	N	11-Sep-10	12.5	90	25	3.43	9	Y	net	N	-	-
206d_4	ARCH	N	14-Sep-10	38	183	100	1.63	100	N	-	Y	-	-
206h_7	ARCH	N	18-Sep-10	25	100	25	2.50	12	Y	net	N	-	-
206h_11	ARCH	N	18-Sep-10	25	94	25	3.01	10	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
206i_3	ARCH	N	19-Sep-10	25	133	25	1.06	25	N	-	Y	-	-
206i_4	ARCH	N	19-Sep-10	25	130	25	1.14	25	N	-	Y	-	-
206i_8	ARCH	N	19-Sep-10	12.5	91	14	1.86	14	Y	net	N	-	-
206j_2	ARCH	N	20-Sep-10	25	114	25	1.69	18	N	-	Y	-	-
206k_1	ARCH	N	21-Sep-10	25	212	85	0.89	85	N	-	Y	-	-
206l_1	ARCH	N	22-Sep-10	25	147	25	0.79	25	N	-	Y	-	-
206o_1	ARCH	N	25-Sep-10	25	145	21	0.69	21	N	-	Y	-	-
206q_1	ARCH	N	29-Sep-10	38	253	150	0.93	150	Y	net	N	-	-
207a_2	ARCH	N	11-Sep-10	38	138	25	0.95	25	N	-	Y	-	-
207a_3	ARCH	N	11-Sep-10	38	122	25	1.38	25	N	-	Y	-	-
207a_4	ARCH	N	11-Sep-10	25	124	25	1.31	25	Y	net	N	-	-
207b_2	ARCH	N	13-Sep-10	25	142	25	0.87	25	N	-	Y	-	-
207b_3	ARCH	N	13-Sep-10	25	145	25	0.82	25	N	-	Y	-	-
207b_5	ARCH	N	13-Sep-10	25	142	25	0.87	25	N	-	Y	-	-
207b_6	ARCH	Y	13-Sep-10	25	123	25	1.34	25	Y	net	N	-	2
207b_8	ARCH	N	13-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
207b_10	ARCH	N	13-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
207b_11	ARCH	N	13-Sep-10	25	113	25	1.73	17	Y	net	N	-	-
207d_3	ARCH	N	15-Sep-10	25	136	50	1.99	29	N	-	Y	-	-
207f_1	ARCH	N	17-Sep-10	25	138	25	0.95	25	N	-	Y	-	-
209a_2	ARCH	Y	13-Sep-10	25	126	50	2.50	23	Y	net	N	-	3
209a_3	ARCH	N	13-Sep-10	25	121	50	2.82	21	N	-	Y	-	-
209d_1	ARCH	N	16-Sep-10	25	120	15	0.87	15	N	-	Y	-	-
209f_2	ARCH	N	18-Sep-10	25	134	50	2.08	28	N	-	Y	-	-
209h_2	ARCH	N	20-Sep-10	25	138	25	0.95	25	N	-	Y	-	-
209k_1	ARCH	N	23-Sep-10	38	188	55	0.83	55	N	-	Y	-	-
209n_1	ARCH	N	27-Sep-10	25	120	20	1.16	20	N	-	Y	-	-
211a_1	ARCH	N	14-Sep-10	25	122	25	1.38	25	N	-	Y	-	-
211a_2	ARCH	N	14-Sep-10	25	127	25	1.22	25	N	-	Y	-	-
211a_3	ARCH	N	14-Sep-10	25	132	25	1.09	25	N	-	Y	-	-
211b_1	ARCH	N	15-Sep-10	51	175	75	1.40	75	N	-	Y	-	-
211d_1	ARCH	N	17-Sep-10	25	117	25	1.56	25	N	-	Y	-	-
211d_2	ARCH	Y	17-Sep-10	25	125	25	1.28	25	Y	net	N	-	4

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
212a_1	ARCH	N	16-Sep-10	25	116	14	0.90	14	N	-	Y	-	-
212a_4	ARCH	Y	16-Sep-10	38	153	37	1.03	37	Y	net	N	-	6
212b_1	ARCH	N	17-Sep-10	25	118	25	1.52	25	N	-	Y	-	-
212b_2	ARCH	Y	17-Sep-10	25	121	25	1.41	25	Y	net	N	-	3
212c_1	ARCH	Y	18-Sep-10	25	122	19	1.05	19	Y	net	N	-	3
212c_2	ARCH	Y	18-Sep-10	25	126	21	1.05	21	Y	net	N	-	3
212d_1	ARCH	N	19-Sep-10	25	108	25	1.98	15	N	-	Y	-	-
212e_1	ARCH	Y	20-Sep-10	25	204	75	0.88	75	Y	net	N	-	4
214e_2	ARCH	N	20-Sep-10	25	130	25	1.14	25	Y	net	N	-	-
214e_3	ARCH	N	20-Sep-10	38	202	150	1.82	88	Y	net	N	-	-
214e_4	ARCH	N	20-Sep-10	38	215	150	1.51	150	N	-	Y	-	-
214f_1	ARCH	N	21-Sep-10	25	131	22	0.98	22	N	-	Y	-	-
214f_2	ARCH	N	21-Sep-10	25	135	23	0.93	23	N	-	Y	-	-
214f_3	ARCH	N	21-Sep-10	38	121	19	1.07	19	N	-	Y	-	-
214j_3	ARCH	N	25-Sep-10	25	136	25	0.99	25	N	-	Y	-	-
214j_4	ARCH	N	25-Sep-10	25	140	25	0.91	25	N	-	Y	-	-
214l_1	ARCH	N	29-Sep-10	38	285	216	0.93	216	N	-	Y	-	-
216b_1	ARCH	Y	19-Sep-10	25	148	25	0.77	25	Y	net	N	-	4
216c_2	ARCH	N	20-Sep-10	25	113	35	2.43	35	N	-	Y	-	-
216c_3	ARCH	N	20-Sep-10	38	120	25	1.45	25	Y	net	N	-	-
216d_1	ARCH	N	21-Sep-10	25	147	32	1.01	32	Y	net	N	-	-
216d_2	ARCH	N	21-Sep-10	38	120	15	0.87	15	Y	net	N	-	-
216d_3	ARCH	N	21-Sep-10	38	132	22	0.96	22	N	-	N	-	-
216e_1	ARCH	N	22-Sep-10	38	117	17	1.06	17	N	-	Y	-	-
216e_2	ARCH	N	22-Sep-10	25	122	18	0.99	18	N	-	Y	-	-
216i_1	ARCH	N	27-Sep-10	25	155	37	0.99	37	Y	net	N	-	-
216l_1	ARCH	N	1-Oct-10	25	108	13	1.03	13	N	-	Y	-	-
217c_1	ARCH	N	24-Sep-10	25	137	24	0.93	24	Y	net	N	-	-
220c_1	ARCH	N	20-Sep-10	38	175	25	0.47	59	N	-	Y	-	-
220g_1	ARCH	N	24-Sep-10	38	200	75	0.94	75	N	-	Y	-	-
220i_1	ARCH	N	27-Sep-10	38	192	67	0.95	67	Y	net	N	-	-
220n_2	ARCH	N	4-Oct-10	51	280	119	0.54	119	N	-	Y	-	-
221b_2	ARCH	N	24-Sep-10	25	110	14	1.05	14	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
221c_2	ARCH	N	25-Sep-10	25	120	17	0.98	17	N	-	Y	-	-
221d_1	ARCH	N	27-Sep-10	25	146	30	0.96	30	N	-	Y	-	-
221d_2	ARCH	N	27-Sep-10	25	145	26	0.85	26	N	-	Y	-	-
222a_1	ARCH	N	30-Sep-10	38	209	86	0.94	86	Y	net	N	-	-
222a_2	ARCH	N	30-Sep-10	25	133	20	0.85	20	Y	net	N	-	-
222c_2	ARCH	N	2-Oct-10	38	192	70	0.99	70	N	-	Y	-	-
222d_3	ARCH	N	4-Oct-10	25	128	24	1.14	24	Y	net	N	-	-
223c_1	ARCH	N	2-Oct-10	25	110	16	1.20	16	Y	net	N	-	-
224d_1	ARCH	N	4-Oct-10	51	150	52	1.54	52	N	-	Y	-	-
226c_1	ARCH	N	2-Oct-10	51	317	275	0.86	275	Y	net	N	-	-
231a_2	ARCH	N	1-Oct-10	25	93	8	0.99	8	N	-	Y	-	-
232a_2	ARCH	N	1-Oct-10	25	120	19	1.10	19	N	-	Y	-	-
232c_1	ARCH	N	4-Oct-10	38	124	17	0.89	17	Y	net	N	-	-
232c_2	ARCH	N	4-Oct-10	38	119	17	1.01	17	N	-	Y	-	-
232c_3	ARCH	N	4-Oct-10	38	132	19	0.83	19	N	-	Y	-	-
232c_6	ARCH	N	4-Oct-10	51	230	115	0.95	115	N	-	Y	-	-
232c_7	ARCH	N	4-Oct-10	76	367	525	1.06	525	N	-	Y	-	-
001a_3	LKTR	N	6-Aug-10	51	249	175	1.13	175	N	-	Y	-	-
001b_1	LKTR	N	6-Aug-10	38	325	325	0.95	325	N	-	Y	77084	-
002a_1	LKTR	N	6-Aug-10	76	225	100	0.88	100	N	-	Y	-	-
002a_3	LKTR	N	6-Aug-10	38	430	675	0.85	675	N	-	Y	77080	-
002b_2	LKTR	N	6-Aug-10	51	412	650	0.93	650	N	-	Y	77086	-
002b_3	LKTR	N	6-Aug-10	38	177	50	0.90	50	N	-	Y	-	-
003b_3	LKTR	N	6-Aug-10	38	465	950	0.94	950	N	-	Y	77088	-
003b_5	LKTR	N	6-Aug-10	38	250	50	0.32	166	Y	net	N	-	-
003c_6	LKTR	N	6-Aug-10	38	235	50	0.39	139	Y	net	N	-	-
004a_1	LKTR	N	7-Aug-10	25	122	50	2.75	21	N	-	Y	-	-
004b_2	LKTR	N	7-Aug-10	76	245	175	1.19	175	Y	net	N	-	-
005a_1	LKTR	N	7-Aug-10	38	512	1650	1.23	1650	N	-	Y	77092	-
005a_3	LKTR	N	7-Aug-10	51	265	200	1.07	200	N	-	Y	77093	-
005a_4	LKTR	N	7-Aug-10	51	295	250	0.97	300	N	-	Y	77094	-
005a_7	LKTR	N	7-Aug-10	126	593	1825	0.88	1825	N	-	Y	77097	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
007a_4	LKTR	N	7-Aug-10	51	254	200	1.22	200	N	-	Y	-	-
008a_2	LKTR	N	8-Aug-10	76	240	100	0.72	100	N	-	Y	-	-
008a_3	LKTR	N	8-Aug-10	76	260	150	0.85	150	N	-	Y	-	-
008a_4	LKTR	N	8-Aug-10	51	220	150	1.41	150	Y	net	N	-	-
009a_2	LKTR	N	8-Aug-10	38	185	75	1.18	75	N	-	Y	-	-
009a_4	LKTR	Y	8-Aug-10	51	210	100	1.08	100	Y	net	N	-	5
009a_6	LKTR	N	8-Aug-10	51	410	700	1.02	700	N	-	Y	77100	-
009b_2	LKTR	N	8-Aug-10	25	135	25	1.02	25	N	-	Y	-	-
009b_4	LKTR	N	8-Aug-10	38	205	100	1.16	100	N	-	Y	-	-
009b_7	LKTR	N	8-Aug-10	51	410	650	0.94	650	N	-	Y	77074	-
009b_8	LKTR	Y	8-Aug-10	51	260	200	1.14	200	Y	net	N	-	6
009b_9	LKTR	Y	8-Aug-10	51	420	750	1.01	750	Y	net	N	-	15
009c_5	LKTR	N	8-Aug-10	38	235	150	1.16	150	Y	transfer	N	-	-
009c_6	LKTR	N	8-Aug-10	38	535	1500	0.98	1500	N	-	Y	77070	-
010b_2	LKTR	N	8-Aug-10	38	550	1600	0.96	1600	N	-	Y	77073	-
011a_1	LKTR	Y	9-Aug-10	76	262	125	0.70	125	Y	net	N	-	8
011a_2	LKTR	N	9-Aug-10	38	180	25	0.43	65	N	-	Y	-	-
011b_2	LKTR	N	9-Aug-10	38	181	50	0.84	50	N	-	Y	-	-
011b_3	LKTR	N	9-Aug-10	38	175	50	0.93	50	N	-	Y	-	-
011c_2	LKTR	N	9-Aug-10	51	260	175	1.00	175	N	-	Y	-	-
012b_3	LKTR	Y	9-Aug-10	38	235	125	0.96	125	Y	net	N	-	7
012b_4	LKTR	N	9-Aug-10	25	165	50	1.11	50	N	-	Y	-	-
013b_2	LKTR	N	9-Aug-10	38	230	125	1.03	125	N	-	Y	-	-
013b_4	LKTR	N	9-Aug-10	76	245	150	1.02	150	N	-	Y	-	-
013c_1	LKTR	N	9-Aug-10	25	250	150	0.96	150	N	-	Y	-	-
013c_4	LKTR	N	9-Aug-10	25	152	50	1.42	50	N	-	Y	77066	-
013c_5	LKTR	N	9-Aug-10	38	355	400	0.89	400	N	-	Y	-	-
013c_7	LKTR	Y	9-Aug-10	76	462	1100	1.12	1100	Y	net	N	-	16
014d_1	LKTR	N	10-Aug-10	25	130	25	1.14	25	N	-	Y	-	-
015a_1	LKTR	N	10-Aug-10	76	440	900	1.06	900	N	-	Y	77065	-
015a_3	LKTR	Y	10-Aug-10	51	326	350	1.01	350	Y	net	N	-	9
015b_1	LKTR	N	10-Aug-10	76	566	1800	0.99	1800	N	-	Y	77063	-
015c_1	LKTR	Y	10-Aug-10	38	280	250	1.14	250	Y	net	N	-	7

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
016a_3	LKTR	N	10-Aug-10	38	685	3000	0.93	3000	N	-	Y	77064	-
016b_1	LKTR	N	10-Aug-10	51	239	200	1.46	200	N	-	Y	-	-
017a_1	LKTR	N	11-Aug-10	76	235	150	1.16	150	N	-	Y	-	-
017a_3	LKTR	N	11-Aug-10	51	400	700	1.09	700	N	-	Y	77062	-
017a_5	LKTR	N	11-Aug-10	25	133	25	1.06	25	N	-	Y	-	-
018b_2	LKTR	N	11-Aug-10	76	339	400	1.03	400	N	-	Y	77061	-
019a_1	LKTR	N	11-Aug-10	25	138	50	1.90	30	N	-	Y	-	-
019b_3	LKTR	N	11-Aug-10	25	142	25	0.87	25	N	-	Y	-	-
019c_1	LKTR	Y	11-Aug-10	76	298	300	1.13	300	Y	net	N	-	9
019c_5	LKTR	N	11-Aug-10	25	125	25	1.28	25	N	-	Y	-	-
020a_3	LKTR	Y	11-Aug-10	51	290	300	1.23	300	Y	net	N	-	11
020b_2	LKTR	N	11-Aug-10	76	570	1650	0.89	1650	N	-	Y	56989	-
021a_4	LKTR	N	11-Aug-10	38	175	75	1.40	75	N	-	Y	-	-
021c_3	LKTR	N	11-Aug-10	25	135	25	1.02	25	Y	net	N	-	-
021c_4	LKTR	Y	11-Aug-10	38	234	200	1.56	200	Y	net	N	-	6
023a_1	LKTR	N	12-Aug-10	25	122	50	2.75	21	N	-	Y	-	-
023a_2	LKTR	N	12-Aug-10	38	205	100	1.16	100	N	-	Y	-	-
023a_3	LKTR	N	12-Aug-10	76	415	750	1.05	750	N	-	Y	77060	-
024a_3	LKTR	N	12-Aug-10	25	114	25	1.69	17	N	-	Y	-	-
024b_1	LKTR	N	12-Aug-10	38	118	25	1.52	25	N	-	Y	-	-
024b_3	LKTR	N	12-Aug-10	25	447	900	1.01	900	N	-	Y	77059	-
024c_1	LKTR	N	12-Aug-10	38	325	300	0.87	300	N	-	Y	77058	-
024d_1	LKTR	N	12-Aug-10	38	193	100	1.39	100	N	-	Y	-	-
025a_1	LKTR	N	12-Aug-10	38	185	100	1.58	100	N	-	Y	-	-
025b_1	LKTR	N	12-Aug-10	38	188	100	1.50	100	N	-	Y	-	-
026a_1	LKTR	N	12-Aug-10	51	549	1800	1.09	1800	N	-	Y	56991	-
026b_1	LKTR	N	12-Aug-10	102	520	1600	1.14	1600	N	-	Y	56992	-
026c_1	LKTR	N	12-Aug-10	102	887	8750	1.25	8750	N	-	Y	56994	-
028a_1	LKTR	N	12-Aug-10	126	256	150	0.89	150	N	-	Y	-	-
028a_2	LKTR	N	12-Aug-10	38	221	100	0.93	100	Y	net	N	-	-
028a_5	LKTR	N	12-Aug-10	38	120	25	1.45	25	N	-	Y	-	-
028b_1	LKTR	N	12-Aug-10	25	121	25	1.41	25	N	-	Y	-	-
029a_2	LKTR	N	13-Aug-10	25	116	25	1.60	18	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
029b_1	LKTR	N	13-Aug-10	25	135	50	2.03	28	N	-	Y	-	-
029b_2	LKTR	N	13-Aug-10	25	118	25	1.52	25	N	-	Y	-	-
029b_3	LKTR	Y	13-Aug-10	38	196	100	1.33	83	Y	net	N	-	4
029c_2	LKTR	Y	13-Aug-10	25	141	50	1.78	32	Y	net	N	-	3
030a_3	LKTR	N	13-Aug-10	38	171	100	2.00	56	N	-	Y	-	-
030a_4	LKTR	Y	13-Aug-10	25	212	100	1.05	100	Y	net	N	-	6
030b_1	LKTR	N	13-Aug-10	25	123	50	2.69	22	N	-	Y	-	-
030b_2	LKTR	N	13-Aug-10	25	170	100	2.04	55	N	-	Y	-	-
031a_1	LKTR	N	13-Aug-10	25	188	100	1.50	100	N	-	Y	-	-
031a_2	LKTR	N	13-Aug-10	38	195	100	1.35	100	N	-	Y	-	-
031a_4	LKTR	N	13-Aug-10	38	253	200	1.24	200	N	-	Y	-	-
031b_1	LKTR	N	13-Aug-10	25	148	75	2.31	37	N	-	Y	-	-
031b_2	LKTR	N	13-Aug-10	38	197	100	1.31	100	N	-	Y	-	-
031b_3	LKTR	N	13-Aug-10	38	179	100	1.74	64	N	-	Y	-	-
031b_5	LKTR	N	13-Aug-10	76	315	300	0.96	300	N	-	Y	77057	-
031c_1	LKTR	N	13-Aug-10	25	110	50	3.76	16	N	-	Y	-	-
032b_4	LKTR	N	13-Aug-10	25	184	100	1.61	69	N	-	Y	-	-
032c_1	LKTR	N	13-Aug-10	76	244	200	1.38	200	N	-	Y	-	-
033a_1	LKTR	Y	13-Aug-10	25	154	25	0.68	41	Y	net	N	-	3
033a_2	LKTR	N	13-Aug-10	38	280	250	1.14	250	N	-	Y	-	-
033a_3	LKTR	N	13-Aug-10	51	229	100	0.83	100	N	-	Y	-	-
033a_4	LKTR	N	13-Aug-10	76	195	150	2.02	81	N	-	Y	-	-
033b_1	LKTR	Y	13-Aug-10	25	142	100	3.49	33	Y	net	N	-	3
033b_2	LKTR	N	13-Aug-10	38	194	150	2.05	80	N	-	Y	-	-
033c_1	LKTR	N	13-Aug-10	38	303	450	1.62	450	N	-	Y	-	-
033c_3	LKTR	N	13-Aug-10	76	548	1850	1.12	1850	N	-	Y	56995	-
034a_5	LKTR	N	13-Aug-10	25	200	150	1.88	88	N	-	Y	-	-
034a_6	LKTR	Y	13-Aug-10	25	218	150	1.45	150	Y	net	N	-	5
034a_7	LKTR	N	13-Aug-10	25	295	300	1.17	200	N	-	Y	-	-
034b_1	LKTR	N	13-Aug-10	51	235	175	1.35	175	N	-	Y	-	-
034b_2	LKTR	N	13-Aug-10	38	295	200	0.78	200	N	-	Y	-	-
034b_3	LKTR	N	13-Aug-10	38	186	150	2.33	71	N	-	Y	-	-
034b_5	LKTR	N	13-Aug-10	25	254	200	1.22	200	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
035b_1	LKTR	N	15-Aug-10	102	635	2300	0.90	2300	N	-	Y	77054	-
035b_2	LKTR	N	15-Aug-10	102	495	1400	1.15	1400	N	-	Y	77053	-
036a_2	LKTR	N	15-Aug-10	38	474	1100	1.03	1100	N	-	Y	77055	-
036b_1	LKTR	N	15-Aug-10	51	225	150	1.32	150	N	-	Y	-	-
036c_1	LKTR	N	15-Aug-10	25	131	75	3.34	26	N	-	Y	-	-
037b_1	LKTR	N	15-Aug-10	51	249	200	1.30	200	N	-	Y	-	-
037b_2	LKTR	N	15-Aug-10	76	465	850	0.85	850	N	-	Y	77052	-
037b_4	LKTR	N	15-Aug-10	76	262	200	1.11	200	N	-	Y	-	-
037b_6	LKTR	N	15-Aug-10	76	188	100	1.50	100	N	-	Y	-	-
037b_7	LKTR	N	15-Aug-10	102	196	150	1.99	83	N	-	Y	-	-
038a_1	LKTR	N	15-Aug-10	38	206	150	1.72	95	N	-	Y	-	-
038d_1	LKTR	N	15-Aug-10	25	127	25	1.22	25	N	-	Y	-	-
039a_1	LKTR	N	15-Aug-10	25	168	50	1.05	50	N	-	Y	-	-
039a_3	LKTR	N	15-Aug-10	25	270	200	1.02	200	N	-	Y	-	-
039b_2	LKTR	N	15-Aug-10	38	187	100	1.53	100	N	-	Y	-	-
041a_1	LKTR	N	15-Aug-10	76	168	100	2.11	53	N	-	Y	-	-
041c_2	LKTR	N	15-Aug-10	38	115	25	1.64	18	N	-	Y	-	-
042c_1	LKTR	N	16-Aug-10	38	472	1100	1.05	1100	N	-	Y	65347	-
043a_4	LKTR	N	16-Aug-10	38	165	50	1.11	50	N	-	Y	-	-
043a_5	LKTR	N	16-Aug-10	38	177	75	1.35	75	N	-	Y	-	-
043a_7	LKTR	N	16-Aug-10	76	184	75	1.20	75	N	-	Y	-	-
043c_4	LKTR	N	16-Aug-10	25	141	50	1.78	32	N	-	Y	-	-
044a_1	LKTR	N	16-Aug-10	38	173	75	1.45	75	N	-	Y	-	-
044a_2	LKTR	N	16-Aug-10	76	313	350	1.14	350	N	-	Y	56998	-
044b_5	LKTR	N	16-Aug-10	76	282	225	1.00	225	N	-	Y	-	-
045b_1	LKTR	Y	17-Aug-10	25	152	50	1.42	50	Y	net	N	-	3
045c_2	LKTR	Y	19-Aug-10	51	352	475	1.09	475	Y	sacrificed	N	-	14
046b_1	LKTR	Y	17-Aug-10	25	156	50	1.32	50	Y	net	N	-	3
046b_2	LKTR	Y	17-Aug-10	25	136	25	0.99	25	Y	net	N	-	3
046b_6	LKTR	Y	17-Aug-10	38	205	75	0.87	75	Y	net	N	-	5
046c_2	LKTR	N	19-Aug-10	38	184	75	1.20	75	Y	sacrificed	N	-	-
046c_7	LKTR	Y	19-Aug-10	25	474	1260	1.18	1260	Y	net	N	-	17
048a_2	LKTR	N	19-Aug-10	38	218	150	1.45	150	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
048a_4	LKTR	Y	19-Aug-10	126	186	75	1.17	75	Y	sacrificed	N	-	4
048a_10	LKTR	N	19-Aug-10	38	170	50	1.02	50	Y	nd	N	-	-
048a_11	LKTR	N	19-Aug-10	38	189	75	1.11	75	Y	nd	N	-	-
048a_12	LKTR	N	19-Aug-10	38	186	75	1.17	75	Y	nd	N	-	-
048a_17	LKTR	N	19-Aug-10	38	218	100	0.97	100	Y	nd	N	-	-
048a_22	LKTR	N	19-Aug-10	38	187	75	1.15	75	Y	nd	N	-	-
048a_26	LKTR	N	19-Aug-10	25	146	50	1.61	35	Y	nd	N	-	-
048a_27	LKTR	Y	19-Aug-10	51	329	350	0.98	350	Y	sacrificed	N	-	11
048a_30	LKTR	Y	19-Aug-10	51	311	300	1.00	300	Y	net	N	-	10
049a_1	LKTR	N	19-Aug-10	25	195	75	1.01	75	N	-	Y	-	-
049a_2	LKTR	N	19-Aug-10	51	185	75	1.18	75	N	-	Y	-	-
049a_3	LKTR	N	19-Aug-10	51	228	75	0.63	128	N	-	Y	-	-
049a_6	LKTR	N	19-Aug-10	25	120	25	1.45	25	Y	nd	N	-	-
049a_10	LKTR	N	19-Aug-10	25	159	50	1.24	50	Y	nd	N	-	-
049a_11	LKTR	N	19-Aug-10	38	195	100	1.35	100	Y	nd	N	-	-
049a_13	LKTR	N	19-Aug-10	38	215	100	1.01	100	Y	nd	N	-	-
049a_15	LKTR	Y	19-Aug-10	38	421	750	1.01	750	Y	nd	N	-	15
049a_18	LKTR	N	19-Aug-10	38	195	100	1.35	100	Y	nd	N	-	-
049a_19	LKTR	N	19-Aug-10	38	178	75	1.33	75	Y	nd	N	-	-
049a_22	LKTR	N	19-Aug-10	51	241	150	1.07	150	Y	nd	N	-	-
049a_23	LKTR	N	19-Aug-10	51	267	200	1.05	200	Y	nd	N	-	-
049a_25	LKTR	N	19-Aug-10	51	254	175	1.07	175	Y	nd	N	-	-
049a_30	LKTR	Y	19-Aug-10	76	529	1250	0.84	1250	Y	nd	N	-	22
050a_5	LKTR	N	19-Aug-10	38	170	50	1.02	50	Y	nd	N	-	-
050a_10	LKTR	N	19-Aug-10	51	180	75	1.29	75	Y	nd	N	-	-
050a_11	LKTR	N	19-Aug-10	51	200	100	1.25	100	Y	nd	N	-	-
051a_1	LKTR	N	19-Aug-10	51	243	100	0.70	153	N	-	Y	-	-
051a_7	LKTR	N	19-Aug-10	38	179	60	1.05	60	Y	net	N	-	-
051a_15	LKTR	Y	19-Aug-10	51	303	270	0.97	270	Y	sacrificed	N	-	11
052a_4	LKTR	N	19-Aug-10	76	229	125	1.04	125	Y	net	N	-	-
052a_5	LKTR	N	19-Aug-10	76	137	30	1.17	30	Y	net	N	-	-
052a_7	LKTR	N	19-Aug-10	38	185	68	1.07	68	Y	sacrificed	N	-	-
052a_15	LKTR	Y	19-Aug-10	25	151	41	1.19	41	Y	net	N	-	4

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
052a_16	LKTR	N	19-Aug-10	25	105	14	1.21	14	Y	net	N	-	-
052a_22	LKTR	N	19-Aug-10	51	171	52	1.04	52	Y	sacrificed	N	-	-
052a_23	LKTR	Y	19-Aug-10	102	468	1100	1.07	1100	Y	sacrificed	N	-	22
052a_24	LKTR	Y	19-Aug-10	126	393	650	1.07	650	Y	sacrificed	N	-	13
052a_25	LKTR	N	19-Aug-10	126	324	350	1.03	350	Y	sacrificed	N	-	-
053a_1	LKTR	N	20-Aug-10	102	178	50	0.89	50	N	-	Y	-	-
054a_4	LKTR	N	20-Aug-10	51	236	150	1.14	150	N	-	Y	-	-
055a_3	LKTR	Y	20-Aug-10	51	321	350	1.06	350	Y	nd	N	-	9
055a_9	LKTR	Y	20-Aug-10	38	536	1600	1.04	1600	Y	sacrificed	N	-	18
055a_12	LKTR	N	20-Aug-10	25	142	25	0.87	25	Y	net	N	-	-
056a_4	LKTR	Y	20-Aug-10	76	444	925	1.06	925	Y	sacrificed	N	-	19
056a_10	LKTR	N	20-Aug-10	38	172	50	0.98	50	Y	net	N	-	-
056a_11	LKTR	N	20-Aug-10	38	165	50	1.11	50	Y	net	N	-	-
056a_23	LKTR	N	20-Aug-10	25	109	25	1.93	15	N	-	Y	-	-
056a_26	LKTR	N	20-Aug-10	25	122	25	1.38	25	Y	net	N	-	-
060a_2	LKTR	N	20-Aug-10	38	194	75	1.03	75	Y	net	N	-	-
060a_3	LKTR	N	20-Aug-10	38	223	125	1.13	125	N	-	Y	-	-
062a_3	LKTR	N	21-Aug-10	38	191	75	1.08	75	N	-	Y	-	-
062a_8	LKTR	N	21-Aug-10	25	151	50	1.45	50	Y	net	N	-	-
062a_12	LKTR	N	21-Aug-10	25	125	25	1.28	25	Y	net	N	-	-
062a_13	LKTR	N	21-Aug-10	25	138	25	0.95	25	Y	net	N	-	-
062a_17	LKTR	N	21-Aug-10	25	116	25	1.60	18	N	-	Y	-	-
062a_18	LKTR	N	21-Aug-10	25	156	50	1.32	50	N	-	Y	-	-
064a_3	LKTR	N	21-Aug-10	51	213	125	1.29	125	Y	net	N	-	-
064a_4	LKTR	N	21-Aug-10	38	161	50	1.20	50	N	-	Y	-	-
065a_1	LKTR	N	21-Aug-10	25	124	25	1.31	25	Y	net	N	-	-
065a_2	LKTR	N	21-Aug-10	25	139	50	1.86	31	Y	net	N	-	-
065c_1	LKTR	Y	23-Aug-10	102	497	1150	0.94	1150	Y	sacrificed	N	-	22
066a_6	LKTR	N	21-Aug-10	25	177	50	0.90	50	N	-	Y	-	-
066c_1	LKTR	N	22-Aug-10	76	383	600	1.07	600	N	-	Y	58169	-
066c_3	LKTR	Y	22-Aug-10	76	515	1400	1.02	1400	Y	sacrificed	N	-	24
066c_11	LKTR	N	22-Aug-10	76	230	100	0.82	100	N	-	Y	-	-
066c_14	LKTR	N	22-Aug-10	76	301	300	1.10	300	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
066c_18	LKTR	N	22-Aug-10	38	118	25	1.52	25	N	-	Y	-	-
066c_21	LKTR	N	22-Aug-10	25	180	75	1.29	75	Y	net	N	-	-
066c_23	LKTR	N	22-Aug-10	25	122	25	1.38	25	N	-	Y	-	-
066d_4	LKTR	N	23-Aug-10	25	119	40	2.37	20	N	-	Y	-	-
066d_6	LKTR	N	23-Aug-10	25	132	60	2.61	27	Y	net	N	-	-
067a_4	LKTR	N	21-Aug-10	126	165	50	1.11	50	N	-	Y	-	-
067c_1	LKTR	N	22-Aug-10	51	335	350	0.93	350	N	-	Y	58166	-
070a_1	LKTR	N	23-Aug-10	76	240	125	0.90	125	Y	net	N	-	-
070a_6	LKTR	N	23-Aug-10	25	113	25	1.73	17	Y	net	N	-	-
071a_6	LKTR	N	23-Aug-10	51	212	110	1.15	110	N	-	Y	-	-
071a_7	LKTR	N	23-Aug-10	51	300	300	1.11	300	N	-	Y	-	-
071a_8	LKTR	N	23-Aug-10	51	261	200	1.12	200	N	-	Y	-	-
072b_5	LKTR	N	24-Aug-10	38	200	100	1.25	100	Y	net	N	-	-
073b_2	LKTR	N	24-Aug-10	38	163	65	1.50	65	N	-	Y	-	-
073b_5	LKTR	N	24-Aug-10	25	151	50	1.45	50	N	-	Y	-	-
074b_2	LKTR	N	24-Aug-10	38	166	75	1.64	51	N	-	Y	-	-
076a_1	LKTR	N	23-Aug-10	76	295	250	0.97	250	N	-	Y	-	-
076b_3	LKTR	N	24-Aug-10	38	126	25	1.25	25	N	-	Y	-	-
076b_4	LKTR	N	24-Aug-10	25	134	25	1.04	25	N	-	Y	-	-
077a_4	LKTR	N	23-Aug-10	25	116	25	1.60	18	N	-	Y	-	-
077b_2	LKTR	N	24-Aug-10	76	354	400	0.90	400	N	-	Y	48274	-
077b_4	LKTR	N	24-Aug-10	51	212	75	0.79	75	Y	net	N	-	-
077b_7	LKTR	N	24-Aug-10	25	133	25	1.06	25	N	-	Y	-	-
078a_1	LKTR	N	25-Aug-10	38	193	100	1.39	100	N	-	Y	-	-
078a_2	LKTR	Y	25-Aug-10	38	427	700	0.90	700	Y	sacrificed	N	-	14
078a_3	LKTR	N	25-Aug-10	38	190	100	1.46	100	Y	net	N	-	-
078a_5	LKTR	N	25-Aug-10	38	165	75	1.67	50	Y	net	N	-	-
079a_1	LKTR	N	25-Aug-10	25	128	25	1.19	25	Y	net	N	-	-
079a_3	LKTR	N	25-Aug-10	38	217	150	1.47	150	Y	net	N	-	-
079a_4	LKTR	N	25-Aug-10	51	245	150	1.02	150	Y	net	N	-	-
079a_6	LKTR	N	25-Aug-10	51	272	225	1.12	225	N	-	Y	-	-
080a_5	LKTR	N	25-Aug-10	38	165	25	0.56	50	N	-	Y	-	-
080a_6	LKTR	N	25-Aug-10	38	198	75	0.97	75	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
080a_7	LKTR	N	25-Aug-10	25	131	50	2.22	26	N	-	Y	-	-
081a_1	LKTR	N	25-Aug-10	76	165	50	1.11	50	N	-	Y	-	-
081a_6	LKTR	N	25-Aug-10	25	110	25	1.88	16	N	-	Y	-	-
081a_7	LKTR	N	25-Aug-10	25	125	25	1.28	25	N	-	Y	-	-
081a_9	LKTR	N	25-Aug-10	25	123	25	1.34	25	Y	transfer	N	-	-
081a_10	LKTR	N	25-Aug-10	25	125	25	1.28	25	N	-	Y	-	-
081a_15	LKTR	N	25-Aug-10	25	115	25	1.64	18	Y	net	N	-	-
082a_2	LKTR	N	25-Aug-10	51	285	275	1.19	275	Y	net	N	-	-
082a_3	LKTR	N	25-Aug-10	25	118	25	1.52	25	N	-	Y	-	-
083a_5	LKTR	N	25-Aug-10	38	206	100	1.14	100	Y	net	N	-	-
083a_7	LKTR	N	25-Aug-10	38	243	150	1.05	150	N	-	Y	-	-
084a_1	LKTR	Y	25-Aug-10	76	497	1350	1.10	1350	Y	sacrificed	N	-	18
085a_2	LKTR	N	25-Aug-10	38	181	60	1.01	60	N	-	Y	-	-
086a_7	LKTR	N	25-Aug-10	102	285	300	1.30	300	Y	net	N	-	-
088a_1	LKTR	N	25-Aug-10	76	255	150	0.90	150	Y	net	N	-	-
088a_2	LKTR	N	25-Aug-10	76	297	210	0.80	210	Y	net	N	-	-
088a_4	LKTR	N	25-Aug-10	76	273	200	0.98	200	N	-	Y	-	-
088a_5	LKTR	N	25-Aug-10	76	170	100	2.04	55	N	-	Y	-	-
088a_6	LKTR	N	25-Aug-10	126	120	20	1.16	20	Y	net	N	-	-
088a_9	LKTR	N	25-Aug-10	126	110	10	0.75	10	Y	net	N	-	-
088a_10	LKTR	N	25-Aug-10	126	110	10	0.75	10	N	-	Y	-	-
089a_3	LKTR	N	25-Aug-10	38	180	60	1.03	60	N	-	Y	-	-
091a_2	LKTR	N	27-Aug-10	25	115	30	1.97	30	N	-	Y	-	-
091a_4	LKTR	N	27-Aug-10	38	171	100	2.00	56	N	-	Y	-	-
091a_10	LKTR	N	27-Aug-10	76	248	300	1.97	300	N	-	Y	-	-
091a_11	LKTR	N	27-Aug-10	51	115	25	1.64	18	Y	net	N	-	-
092a_8	LKTR	N	27-Aug-10	25	140	50	1.82	31	Y	net	N	-	-
092a_10	LKTR	N	27-Aug-10	25	122	50	2.75	21	N	-	Y	-	-
092a_11	LKTR	N	27-Aug-10	25	305	300	1.06	300	N	-	Y	-	-
093a_1	LKTR	N	27-Aug-10	25	119	25	1.48	25	N	-	Y	-	-
093a_2	LKTR	N	27-Aug-10	25	195	125	1.69	125	N	-	Y	-	-
093a_3	LKTR	N	27-Aug-10	25	129	25	1.16	25	Y	net	N	-	-
093a_4	LKTR	N	27-Aug-10	38	173	75	1.45	75	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
093a_5	LKTR	N	27-Aug-10	38	200	100	1.25	100	Y	net	N	-	-
095a_1	LKTR	N	27-Aug-10	25	139	60	2.23	31	Y	net	N	-	-
095a_4	LKTR	N	27-Aug-10	25	122	70	3.85	21	N	-	Y	-	-
095a_7	LKTR	N	27-Aug-10	38	171	75	1.50	75	N	-	Y	-	-
095a_12	LKTR	N	27-Aug-10	51	276	225	1.07	225	Y	net	N	-	-
095a_14	LKTR	N	27-Aug-10	51	231	200	1.62	200	Y	net	N	-	-
095a_15	LKTR	N	27-Aug-10	51	280	300	1.37	300	N	-	Y	-	-
095a_18	LKTR	Y	27-Aug-10	102	552	825	0.49	825	Y	net	N	-	29
096a_1	LKTR	N	27-Aug-10	102	nd	nd	nd	nd	N	-	Y	-	-
096a_6	LKTR	N	27-Aug-10	38	185	70	1.11	70	Y	net	N	-	-
096a_11	LKTR	N	27-Aug-10	25	133	25	1.06	25	Y	net	N	-	-
096a_14	LKTR	N	27-Aug-10	25	125	25	1.28	25	N	-	Y	-	-
097a_1	LKTR	N	27-Aug-10	102	225	117	1.03	117	Y	net	N	-	-
097a_3	LKTR	N	27-Aug-10	25	135	25	1.02	25	Y	net	N	-	-
098a_1	LKTR	N	27-Aug-10	25	120	25	1.45	25	Y	net	N	-	-
098a_2	LKTR	N	27-Aug-10	25	145	45	1.48	45	N	-	Y	-	-
098a_4	LKTR	N	27-Aug-10	38	190	71	1.04	71	Y	net	N	-	-
098a_5	LKTR	N	27-Aug-10	38	210	97	1.05	97	Y	net	N	-	-
098a_6	LKTR	N	27-Aug-10	38	190	60	0.87	60	Y	net	N	-	-
098a_7	LKTR	N	27-Aug-10	38	150			38	N	-	Y	-	-
098a_8	LKTR	N	27-Aug-10	25	125	20	1.02	20	Y	net	N	-	-
099a_4	LKTR	N	27-Aug-10	51	142	33	1.15	33	Y	net	N	-	-
100a_1	LKTR	N	27-Aug-10	51	290	246	1.01	246	Y	net	N	-	-
100a_4	LKTR	N	27-Aug-10	25	130	25	1.14	25	N	-	Y	-	-
101a_2	LKTR	N	27-Aug-10	51	170			55	N	-	Y	-	-
101a_3	LKTR	N	27-Aug-10	51	166	nd	nd	51	N	-	Y	-	-
101a_4	LKTR	N	27-Aug-10	51	190	66	0.96	66	Y	net	N	-	-
102a_7	LKTR	N	28-Aug-10	38	212	60	0.63	60	N	-	Y	-	-
103a_3	LKTR	N	28-Aug-10	38	170	25	0.51	55	N	-	Y	-	-
104a_1	LKTR	N	28-Aug-10	51	230	120	0.99	120	Y	net	N	-	-
105a_3	LKTR	N	28-Aug-10	25	128	12	0.57	12	Y	net	N	-	-
106a_1	LKTR	N	28-Aug-10	25	128	15	0.72	15	N	-	Y	-	-
106a_3	LKTR	N	28-Aug-10	38	172	30	0.59	30	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
107a_1	LKTR	N	28-Aug-10	25	136	10	0.40	29	N	-	Y	-	-
107a_3	LKTR	N	28-Aug-10	25	126	10	0.50	23	N	-	Y	-	-
108a_3	LKTR	N	29-Aug-10	76	282	200	0.89	200	Y	net	N	-	-
108a_6	LKTR	N	29-Aug-10	51	194	75	1.03	75	N	-	Y	-	-
108a_8	LKTR	N	29-Aug-10	51	159	75	1.87	45	Y	net	N	-	-
108a_11	LKTR	N	29-Aug-10	38	117	30	1.87	19	N	-	Y	-	-
108a_13	LKTR	N	29-Aug-10	25	115	30	1.97	18	Y	net	N	-	-
108b_2	LKTR	N	30-Aug-10	38	213	75	0.78	75	Y	net	N	-	-
108b_4	LKTR	N	30-Aug-10	38	317	325	1.02	325	N	-	Y	-	-
108b_5	LKTR	N	30-Aug-10	25	113	20	1.39	20	Y	net	N	-	-
108b_6	LKTR	N	30-Aug-10	25	110	20	1.50	20	Y	net	N	-	-
109a_4	LKTR	N	29-Aug-10	38	157	40	1.03	40	N	-	Y	-	-
110a_2	LKTR	N	29-Aug-10	38	180	75	1.29	75	N	-	Y	-	-
110a_3	LKTR	N	29-Aug-10	38	191	90	1.29	90	N	-	Y	-	-
111a_2	LKTR	N	29-Aug-10	51	200	25	0.31	88	N	-	Y	-	-
111a_3	LKTR	N	29-Aug-10	38	120	17	0.98	17	N	-	Y	-	-
112a_4	LKTR	N	29-Aug-10	38	155	50	1.34	50	Y	net	N	-	-
114a_2	LKTR	N	30-Aug-10	25	170	100	2.04	55	N	-	Y	-	-
117a_1	LKTR	N	30-Aug-10	38	172	100	1.97	57	N	-	Y	-	-
117a_2	LKTR	N	30-Aug-10	25	105	50	4.32	14	N	-	Y	-	-
117a_4	LKTR	N	30-Aug-10	25	153	75	2.09	41	Y	net	N	-	-
117a_5	LKTR	N	30-Aug-10	25	120	50	2.89	20	N	-	Y	-	-
124a_2	LKTR	N	31-Aug-10	51	120	19	1.10	19	N	-	Y	-	-
126a_7	LKTR	N	31-Aug-10	38	180	100	1.71	65	N	-	Y	-	-
129a_3	LKTR	N	31-Aug-10	51	175	100	1.87	60	N	-	Y	-	-
132a_2	LKTR	N	31-Aug-10	76	200	82	1.03	82	Y	net	N	-	-
134a_6	LKTR	N	31-Aug-10	38	145	100	3.28	35	N	-	Y	-	-
138a_1	LKTR	N	1-Sep-10	25	145	34	1.12	34	Y	net	N	-	-
138a_6	LKTR	N	1-Sep-10	76	330	345	0.96	345	Y	net	N	-	-
139a_4	LKTR	N	1-Sep-10	38	180	50	0.86	50	N	-	Y	-	-
139a_5	LKTR	N	1-Sep-10	38	180	50	0.86	50	N	-	Y	-	-
143a_2	LKTR	N	1-Sep-10	38	220	100	0.94	100	Y	net	N	-	-
143a_5	LKTR	Y	1-Sep-10	76	550	1900	1.14	1900	Y	net	N	-	14

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
143a_6	LKTR	Y	1-Sep-10	76	410	700	1.02	700	Y	net	N	-	13
144a_1	LKTR	N	1-Sep-10	25	130	21	0.96	21	Y	net	N	-	-
144a_3	LKTR	N	1-Sep-10	38	130	22	1.00	22	Y	net	N	-	-
145a_4	LKTR	N	1-Sep-10	38	170	150	3.05	55	N	-	Y	-	-
145a_5	LKTR	N	1-Sep-10	38	180	150	2.57	65	N	-	Y	-	-
145a_6	LKTR	N	1-Sep-10	38	190	150	2.19	76	N	-	Y	-	-
146a_8	LKTR	N	1-Sep-10	38	169	100	2.07	54	N	-	Y	-	-
149a_1	LKTR	N	2-Sep-10	38	160	25	0.61	46	Y	net	N	-	-
149a_2	LKTR	N	2-Sep-10	38	190	100	1.46	100	Y	net	N	-	-
149a_3	LKTR	N	2-Sep-10	38	195	60	0.81	60	Y	net	N	-	-
149a_5	LKTR	N	2-Sep-10	51	240	150	1.09	150	N	-	Y	-	-
150a_2	LKTR	N	2-Sep-10	25	125	25	1.28	25	Y	net	N	-	-
150a_3	LKTR	N	2-Sep-10	38	190	50	0.73	50	N	-	Y	-	-
150a_5	LKTR	N	2-Sep-10	38	200	100	1.25	100	Y	net	N	-	-
152a_3	LKTR	N	3-Sep-10	38	190	32	0.47	32	N	-	Y	-	-
155a_1	LKTR	N	3-Sep-10	76	150	25	0.74	25	N	-	Y	-	-
160a_1	LKTR	N	4-Sep-10	76	310	325	1.09	325	N	-	Y	-	-
161a_2	LKTR	N	3-Sep-10	38	190	50	0.73	50	N	-	Y	-	-
161b_1	LKTR	N	4-Sep-10	51	215	200	2.01	108	N	-	Y	-	-
161b_3	LKTR	N	4-Sep-10	51	180	150	2.57	65	N	-	Y	-	-
161c_1	LKTR	N	5-Sep-10	38	180	50	0.86	50	N	-	Y	-	-
161c_2	LKTR	N	5-Sep-10	38	175	25	0.47	60	N	-	Y	-	-
161d_5	LKTR	N	6-Sep-10	38	250	150	0.96	150	Y	net	N	-	-
161d_6	LKTR	N	6-Sep-10	51	205	89	1.03	89	Y	net	N	-	-
162a_1	LKTR	Y	3-Sep-10	51	300	250	0.93	250	Y	net	N	-	9
162a_2	LKTR	N	3-Sep-10	25	112	25	1.78	17	N	-	Y	-	-
162a_3	LKTR	N	3-Sep-10	25	132	25	1.09	25	Y	net	N	-	-
162b_1	LKTR	N	3-Sep-10	38	114	25	1.69	17	N	-	Y	-	-
162b_2	LKTR	N	3-Sep-10	38	131	25	1.11	25	N	-	Y	-	-
162f_2	LKTR	N	7-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
162g_1	LKTR	N	7-Sep-10	76	275	200	0.96	200	Y	net	N	-	-
162h_1	LKTR	N	10-Sep-10	25	128	25	1.19	25	Y	net	N	-	-
163a_1	LKTR	N	5-Sep-10	38	229	100	0.83	100	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
164a_2	LKTR	N	3-Sep-10	25	140	50	1.82	31	Y	net	N	-	-
164b_1	LKTR	N	3-Sep-10	25	126	75	3.75	23	N	-	Y	-	-
164c_6	LKTR	N	4-Sep-10	25	120	100	5.79	20	N	-	Y	-	-
164c_7	LKTR	N	4-Sep-10	25	130	100	4.55	25	N	-	Y	-	-
164d_3	LKTR	N	5-Sep-10	25	130	50	2.28	25	N	-	Y	-	-
164d_4	LKTR	N	5-Sep-10	25	218	100	0.97	100	Y	net	N	-	-
164d_7	LKTR	N	5-Sep-10	25	138	50	1.90	30	Y	net	N	-	-
164e_1	LKTR	N	6-Sep-10	51	197	75	0.98	75	N	-	Y	-	-
164e_3	LKTR	N	6-Sep-10	25	143	25	0.85	25	Y	net	N	-	-
164f_1	LKTR	N	7-Sep-10	51	210	225	2.43	101	N	-	Y	-	-
164g_1	LKTR	N	7-Sep-10	25	145	50	1.64	35	N	-	Y	-	-
164g_2	LKTR	N	7-Sep-10	38	228	125	1.05	125	Y	net	N	-	-
164g_3	LKTR	N	7-Sep-10	38	208	100	1.11	100	N	-	Y	-	-
164h_1	LKTR	N	8-Sep-10	25	135	25	1.02	25	Y	net	N	-	-
164h_3	LKTR	N	8-Sep-10	25	154	50	1.37	50	Y	net	N	-	-
164h_4	LKTR	N	8-Sep-10	25	138	50	1.90	30	N	-	Y	-	-
164i_1	LKTR	N	9-Sep-10	25	209	100	1.10	100	N	-	Y	-	-
164i_2	LKTR	N	9-Sep-10	25	251	150	0.95	150	N	-	Y	-	-
164i_4	LKTR	N	9-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
164i_7	LKTR	N	9-Sep-10	38	170	100	2.04	55	N	-	Y	-	-
164i_8	LKTR	N	9-Sep-10	38	127	50	2.44	24	N	-	Y	-	-
164l_1	LKTR	N	11-Sep-10	25	125	25	1.28	25	N	-	Y	-	-
164m_5	LKTR	N	12-Sep-10	51	206	200	2.29	95	N	-	Y	-	-
164m_7	LKTR	N	12-Sep-10	51	250	200	1.28	200	N	-	Y	-	-
164m_8	LKTR	N	12-Sep-10	25	110	25	1.88	16	N	-	Y	-	-
165a_1	LKTR	N	4-Sep-10	25	163	75	1.73	49	Y	net	N	-	-
167c_1	LKTR	N	8-Sep-10	51	245	125	0.85	125	N	-	Y	-	-
170a_1	LKTR	N	4-Sep-10	25	125	25	1.28	25	Y	net	N	-	-
170a_4	LKTR	N	4-Sep-10	38	240	100	0.72	100	N	-	Y	-	-
170a_5	LKTR	N	4-Sep-10	51	295	220	0.86	246	Y	net	N	-	-
175a_1	LKTR	N	4-Sep-10	12.5	225	100	0.88	100	N	-	Y	-	-
175c_3	LKTR	N	6-Sep-10	12.5	290	100	0.41	255	N	-	Y	-	-
175c_5	LKTR	N	6-Sep-10	12.5	300	200	0.74	200	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
176a_2	LKTR	N	4-Sep-10	38	185	100	1.58	100	Y	net	N	-	-
179b_1	LKTR	N	6-Sep-10	51	285	200	0.86	200	N	-	Y	-	-
179c_4	LKTR	N	7-Sep-10	38	174	75	1.42	75	N	-	Y	-	-
179c_5	LKTR	N	7-Sep-10	38	169	50	1.04	50	N	-	Y	-	-
180a_1	LKTR	N	9-Sep-10	25	155	75	2.01	42	Y	net	N	-	-
180b_1	LKTR	N	10-Sep-10	25	128	50	2.38	24	N	-	Y	-	-
180b_3	LKTR	N	10-Sep-10	38	195	125	1.69	125	N	-	Y	-	-
180b_4	LKTR	N	10-Sep-10	38	230	175	1.44	175	N	-	Y	-	-
180c_2	LKTR	N	10-Sep-10	38	190	75	1.09	75	Y	net	N	-	-
180d_2	LKTR	N	11-Sep-10	25	191	125	1.79	125	N	-	Y	-	-
180e_2	LKTR	N	12-Sep-10	25	130	50	2.28	25	N	-	Y	-	-
180e_3	LKTR	N	12-Sep-10	38	187	100	1.53	100	N	-	Y	-	-
180j_1	LKTR	N	16-Sep-10	38	197	75	0.98	75	N	-	Y	-	-
182a_1	LKTR	N	10-Sep-10	38	576	1700	0.89	1700	N	-	Y	48270	-
182e_2	LKTR	N	13-Sep-10	51	145	75	2.46	35	N	-	Y	-	-
183a_1	LKTR	N	12-Sep-10	76	225	150	1.32	150	N	-	Y	-	-
183b_1	LKTR	N	13-Sep-10	25	165	45	1.00	45	Y	net	N	-	-
183c_1	LKTR	N	13-Sep-10	25	122	25	1.38	25	N	-	Y	-	-
183f_1	LKTR	N	16-Sep-10	51	290	250	1.03	275	N	-	Y	-	-
183g_1	LKTR	N	17-Sep-10	25	130	50	2.28	25	Y	net	N	-	-
184a_4	LKTR	N	13-Sep-10	25	129	50	2.33	25	N	-	Y	-	-
185a_2	LKTR	N	18-Sep-10	25	168	95	2.00	53	N	-	Y	-	-
185b_2	LKTR	N	19-Sep-10	38	205	125	1.45	125	Y	net	N	-	-
185d_3	LKTR	N	21-Sep-10	25	155	25	0.67	42	Y	net	N	-	-
185e_1	LKTR	N	22-Sep-10	76	345	475	1.16	475	N	-	Y	48268	-
185g_1	LKTR	N	24-Sep-10	51	250	150	0.96	150	N	-	Y	-	-
185h_1	LKTR	N	25-Sep-10	38	182	55	0.91	55	N	-	Y	-	-
185i_1	LKTR	N	27-Sep-10	38	182	64	1.06	64	Y	net	N	-	-
185i_2	LKTR	N	27-Sep-10	102	416	850	1.18	850	Y	net	N	-	-
185j_2	LKTR	N	29-Sep-10	38	175	51	0.95	51	N	-	Y	-	-
186c_4	LKTR	N	20-Sep-10	38	170	60	1.22	60	N	-	Y	-	-
186d_2	LKTR	N	21-Sep-10	51	275	200	0.96	200	N	-	Y	-	-
186e_1	LKTR	N	22-Sep-10	38	196	78	1.04	78	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
186g_2	LKTR	N	24-Sep-10	38	205	80	0.93	80	Y	net	N	-	-
186g_5	LKTR	N	24-Sep-10	38	180	80	1.37	80	N	-	Y	-	-
186h_2	LKTR	N	25-Sep-10	38	181	60	1.01	60	N	-	Y	-	-
186h_3	LKTR	N	25-Sep-10	38	189	75	1.11	75	N	-	Y	-	-
186h_5	LKTR	N	25-Sep-10	38	283	250	1.10	250	N	-	Y	-	-
186j_1	LKTR	N	28-Sep-10	38	182	66	1.09	66	N	-	Y	-	-
186k_3	LKTR	N	29-Sep-10	51	225	120	1.05	120	N	-	Y	-	-
186m_1	LKTR	N	1-Oct-10	38	170	44	0.90	44	N	-	Y	-	-
187b_6	LKTR	N	19-Sep-10	25	125	25	1.28	25	Y	net	N	-	-
187f_2	LKTR	N	23-Sep-10	51	450	1000	1.10	1000	Y	net	N	-	-
187j_1	LKTR	N	28-Sep-10	51	250	200	1.28	200	N	-	Y	-	-
189b_4	LKTR	N	19-Sep-10	51	141	25	0.89	25	N	-	Y	-	-
189c_1	LKTR	N	20-Sep-10	38	172	100	1.97	57	N	-	Y	-	-
190a_3	LKTR	N	5-Sep-10	25	120	25	1.45	25	Y	net	N	-	-
190c_10	LKTR	N	7-Sep-10	25	149	50	1.51	50	Y	net	N	-	-
190d_1	LKTR	N	8-Sep-10	51	285	200	0.86	200	N	-	Y	-	-
190d_2	LKTR	Y	8-Sep-10	38	336	450	1.19	450	Y	net	N	-	11
190d_3	LKTR	N	8-Sep-10	25	113	25	1.73	17	N	-	Y	-	-
190e_1	LKTR	N	9-Sep-10	25	198	200	2.58	85	N	-	Y	-	-
191a_2	LKTR	N	5-Sep-10	38	175	100	1.87	60	Y	net	N	-	-
191b_2	LKTR	N	6-Sep-10	38	180	100	1.71	65	N	-	Y	-	-
191d_1	LKTR	N	8-Sep-10	51	213	125	1.29	125	N	-	Y	-	-
191d_2	LKTR	N	8-Sep-10	51	225	150	1.32	150	N	-	Y	-	-
192a_2	LKTR	Y	5-Sep-10	51	280	200	0.91	200	Y	net	N	-	10
192b_6	LKTR	N	6-Sep-10	38	220	100	0.94	100	N	-	Y	-	-
192b_9	LKTR	N	6-Sep-10	38	175	50	0.93	50	N	-	Y	-	-
192b_12	LKTR	N	6-Sep-10	25	120	25	1.45	25	Y	net	N	-	-
192c_3	LKTR	N	7-Sep-10	25	150	50	1.48	50	Y	net	N	-	-
192c_6	LKTR	N	7-Sep-10	38	225	150	1.32	150	N	-	Y	-	-
192c_7	LKTR	N	7-Sep-10	38	230	150	1.23	150	Y	net	N	-	-
192d_2	LKTR	N	8-Sep-10	25	136	25	0.99	25	N	-	Y	-	-
193b_12	LKTR	N	6-Sep-10	12.5	90	20	2.74	9	Y	net	N	-	-
193b_19	LKTR	N	6-Sep-10	38	220	100	0.94	100	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
193c_3	LKTR	N	7-Sep-10	25	119	20	1.19	20	N	-	Y	-	-
193c_6	LKTR	N	7-Sep-10	25	120	20	1.16	20	N	-	Y	-	-
193c_8	LKTR	N	7-Sep-10	38	200	100	1.25	100	Y	net	N	-	-
193d_4	LKTR	N	8-Sep-10	38	185	50	0.79	50	N	-	Y	-	-
194a_2	LKTR	N	7-Sep-10	25	130	25	1.14	25	N	-	Y	-	-
194b_1	LKTR	N	8-Sep-10	25	118	25	1.52	25	N	-	Y	-	-
194b_2	LKTR	N	8-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
194b_5	LKTR	N	8-Sep-10	25	128	25	1.19	25	N	-	Y	-	-
194c_1	LKTR	N	9-Sep-10	38	176	50	0.92	50	Y	net	N	-	-
194f_3	LKTR	N	13-Sep-10	25	138	25	0.95	25	Y	net	N	-	-
194f_4	LKTR	N	13-Sep-10	25	120	25	1.45	25	N	-	Y	-	-
194f_8	LKTR	N	13-Sep-10	25	127	25	1.22	25	N	-	Y	-	-
194f_9	LKTR	N	13-Sep-10	25	134	25	1.04	25	N	-	Y	-	-
194f_10	LKTR	N	13-Sep-10	25	124	25	1.31	25	Y	net	N	-	-
194f_11	LKTR	N	13-Sep-10	38	176	75	1.38	75	Y	net	N	-	-
195a_1	LKTR	N	8-Sep-10	51	168	50	1.05	50	N	-	Y	-	-
196a_3	LKTR	N	9-Sep-10	38	168	100	2.11	53	Y	net	N	-	-
196a_4	LKTR	N	9-Sep-10	38	178	100	1.77	63	N	-	Y	-	-
196b_1	LKTR	N	10-Sep-10	51	278	150	0.70	150	N	-	Y	-	-
196b_2	LKTR	N	10-Sep-10	51	189	50	0.74	50	N	-	Y	-	-
196b_3	LKTR	N	10-Sep-10	38	225	100	0.88	100	N	-	Y	-	-
196b_4	LKTR	N	10-Sep-10	38	215	100	1.01	100	Y	net	N	-	-
196c_1	LKTR	N	11-Sep-10	51	284	125	0.55	240	N	-	Y	-	-
196c_2	LKTR	N	11-Sep-10	38	184	75	1.20	75	N	-	Y	-	-
196d_1	LKTR	N	13-Sep-10	25	153	50	1.40	50	Y	net	N	-	-
196d_3	LKTR	N	13-Sep-10	38	186	15	0.23	71	N	-	Y	-	-
198a_1	LKTR	N	9-Sep-10	38	180	50	0.86	50	N	-	Y	-	-
198c_1	LKTR	N	11-Sep-10	25	138	25	0.95	25	Y	net	N	-	-
198d_3	LKTR	N	13-Sep-10	38	171	50	1.00	50	N	-	Y	-	-
198e_1	LKTR	N	14-Sep-10	38	180	75	1.29	75	N	-	Y	-	-
198g_1	LKTR	N	16-Sep-10	38	200	125	1.56	125	Y	net	N	-	-
198h_1	LKTR	N	17-Sep-10	38	168	50	1.05	50	N	-	Y	-	-
198k_2	LKTR	N	20-Sep-10	38	175	50	0.93	50	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
198m_1	LKTR	N	22-Sep-10	51	243	140	0.98	140	Y	net	N	-	-
198o_1	LKTR	N	24-Sep-10	38	173	50	0.97	50	N	-	Y	-	-
198q_1	LKTR	N	27-Sep-10	38	200	78	0.98	78	Y	net	N	-	-
198q_2	LKTR	N	27-Sep-10	38	160	41	1.00	41	Y	net	N	-	-
198q_3	LKTR	N	27-Sep-10	38	170	46	0.94	46	Y	net	N	-	-
198r_1	LKTR	N	29-Sep-10	25	126	18	0.90	18	Y	net	N	-	-
200b_4	LKTR	N	11-Sep-10	51	255	150	0.90	150	Y	net	N	-	-
200d_2	LKTR	N	13-Sep-10	38	254	200	1.22	200	N	-	Y	-	-
200m_2	LKTR	N	22-Sep-10	25	138	50	1.90	30	Y	nd	N	-	-
201a_2	LKTR	N	10-Sep-10	38	190	100	1.46	100	N	-	Y	-	-
201b_2	LKTR	N	11-Sep-10	38	187	75	1.15	75	N	-	Y	-	-
201c_2	LKTR	N	12-Sep-10	38	185	50	0.79	50	N	-	Y	-	-
201e_1	LKTR	N	14-Sep-10	38	165	75	1.67	50	N	-	Y	-	-
203c_1	LKTR	N	13-Sep-10	25	125	25	1.28	25	Y	net	N	-	-
203c_3	LKTR	Y	13-Sep-10	38	215	125	1.26	125	Y	net	N	-	6
203d_2	LKTR	N	14-Sep-10	51	168	75	1.58	75	N	-	Y	-	-
203d_4	LKTR	N	14-Sep-10	38	194	75	1.03	75	N	-	Y	-	-
205a_7	LKTR	N	11-Sep-10	38	166	75	1.64	51	N	-	Y	-	-
205a_8	LKTR	N	11-Sep-10	38	231	100	0.81	100	Y	net	N	-	-
205a_9	LKTR	N	11-Sep-10	76	342	500	1.25	500	N	-	Y	58163	-
205b_1	LKTR	N	12-Sep-10	38	185	50	0.79	50	N	-	Y	-	-
205b_2	LKTR	N	12-Sep-10	25	120	25	1.45	25	Y	net	N	-	-
205b_3	LKTR	N	12-Sep-10	25	146	25	0.80	25	Y	net	N	-	-
205c_1	LKTR	N	13-Sep-10	51	178	50	0.89	50	N	-	Y	-	-
205c_3	LKTR	Y	13-Sep-10	25	129	25	1.16	25	Y	net	N	-	3
205d_1	LKTR	N	14-Sep-10	51	253	175	1.08	175	N	-	Y	-	-
205d_2	LKTR	N	14-Sep-10	51	265	200	1.07	200	N	-	Y	-	-
205e_1	LKTR	Y	15-Sep-10	25	132	25	1.09	25	Y	net	N	-	3
205e_3	LKTR	N	15-Sep-10	51	193	100	1.39	100	N	-	Y	-	-
205e_4	LKTR	N	15-Sep-10	51	204	100	1.18	100	N	-	Y	-	-
205l_1	LKTR	N	22-Sep-10	102	415	750	1.05	750	N	-	Y	58154	-
205l_2	LKTR	N	22-Sep-10	76	421	775	1.04	775	N	-	Y	58155	-
205l_4	LKTR	N	22-Sep-10	25	347	475	1.14	475	N	-	Y	58153	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
206a_21	LKTR	N	11-Sep-10	38	180	50	0.86	50	Y	net	N	-	-
206d_2	LKTR	N	14-Sep-10	38	167	75	1.61	52	N	-	Y	-	-
206d_3	LKTR	N	14-Sep-10	38	199	100	1.27	100	N	-	Y	-	-
206g_2	LKTR	N	17-Sep-10	38	167	35	0.75	35	N	-	Y	-	-
206g_3	LKTR	N	17-Sep-10	38	217	75	0.73	75	Y	net	N	-	-
206h_1	LKTR	N	18-Sep-10	25	125	25	1.28	25	Y	net	N	-	-
206i_1	LKTR	N	19-Sep-10	25	131	25	1.11	25	N	-	Y	-	-
206i_2	LKTR	N	19-Sep-10	25	120	25	1.45	25	Y	net	N	-	-
206i_5	LKTR	N	19-Sep-10	38	222	100	0.91	100	Y	net	N	-	-
206j_1	LKTR	N	20-Sep-10	25	122	25	1.38	25	N	-	Y	-	-
206j_3	LKTR	N	20-Sep-10	38	170	50	1.02	50	N	-	Y	-	-
206o_2	LKTR	N	25-Sep-10	38	165	47	1.05	47	N	-	Y	-	-
207b_1	LKTR	N	13-Sep-10	102	176	100	1.83	61	N	-	Y	-	-
207b_4	LKTR	Y	13-Sep-10	25	125	25	1.28	25	Y	net	N	-	3
207b_7	LKTR	N	13-Sep-10	25	157	25	0.65	44	N	-	Y	-	-
207d_1	LKTR	N	15-Sep-10	38	134	50	2.08	28	N	-	Y	-	-
207d_2	LKTR	N	15-Sep-10	38	124	25	1.31	25	N	-	Y	-	-
207f_2	LKTR	N	17-Sep-10	38	119	25	1.48	25	N	-	Y	-	-
209a_1	LKTR	N	13-Sep-10	25	144	75	2.51	34	N	-	Y	-	-
209a_4	LKTR	Y	13-Sep-10	25	127	50	2.44	24	Y	net	N	-	3
209a_5	LKTR	N	13-Sep-10	51	225	175	1.54	175	N	-	Y	-	-
209b_1	LKTR	N	14-Sep-10	51	300	300	1.11	300	N	-	Y	-	-
209c_2	LKTR	N	15-Sep-10	25	128	50	2.38	24	N	-	Y	-	-
209e_1	LKTR	N	17-Sep-10	51	256	125	0.75	125	Y	net	N	-	-
209f_1	LKTR	N	18-Sep-10	38	187	125	1.91	72	N	-	Y	-	-
209h_1	LKTR	N	20-Sep-10	25	133	25	1.06	25	N	-	Y	-	-
209h_3	LKTR	N	20-Sep-10	38	199	75	0.95	75	Y	net	N	-	-
209m_2	LKTR	N	25-Sep-10	38	206	90	1.03	90	N	-	Y	-	-
209n_2	LKTR	N	27-Sep-10	38	220	124	1.16	124	N	-	Y	-	-
210g_1	LKTR	N	20-Sep-10	51	204	100	1.18	100	N	-	Y	-	-
211a_5	LKTR	N	14-Sep-10	51	299	300	1.12	300	N	-	Y	58158	-
211b_2	LKTR	N	15-Sep-10	38	168	75	1.58	75	N	-	Y	-	-
211c_1	LKTR	N	16-Sep-10	38	175	75	1.40	75	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
211e_1	LKTR	N	18-Sep-10	25	138	25	0.95	25	Y	net	N	-	-
212a_2	LKTR	N	16-Sep-10	38	165	45	1.00	45	N	-	Y	-	-
212a_3	LKTR	N	16-Sep-10	38	184	60	0.96	60	N	-	Y	-	-
212c_3	LKTR	N	18-Sep-10	76	354	500	1.13	500	N	-	Y	58156	-
212e_2	LKTR	N	20-Sep-10	38	181	75	1.26	75	N	-	Y	-	-
212h_1	LKTR	N	23-Sep-10	25	115	16	1.05	16	N	-	Y	-	-
213d_1	LKTR	N	19-Sep-10	38	167	50	1.07	50	Y	net	N	-	-
213e_1	LKTR	N	20-Sep-10	25	130	50	2.28	25	N	-	Y	-	-
213e_2	LKTR	N	20-Sep-10	38	176	100	1.83	61	N	-	Y	-	-
213f_1	LKTR	N	21-Sep-10	38	175	75	1.40	75	Y	net	N	-	-
214b_1	LKTR	N	17-Sep-10	38	182	75	1.24	75	N	-	Y	-	-
214c_1	LKTR	N	18-Sep-10	25	134	25	1.04	25	Y	net	N	-	-
214d_1	LKTR	N	19-Sep-10	38	256	150	0.89	150	Y	net	N	-	-
214e_1	LKTR	N	20-Sep-10	25	131	25	1.11	25	N	-	Y	-	-
214f_4	LKTR	N	21-Sep-10	38	202	85	1.03	85	N	-	Y	-	-
214f_5	LKTR	N	21-Sep-10	38	215	100	1.01	100	Y	net	N	-	-
214f_6	LKTR	N	21-Sep-10	38	191	70	1.00	70	N	-	Y	-	-
214g_1	LKTR	N	22-Sep-10	25	180	58	0.99	58	N	-	Y	-	-
214i_1	LKTR	N	24-Sep-10	25	120	18	1.04	18	Y	net	N	-	-
214i_2	LKTR	N	24-Sep-10	38	211	83	0.88	83	N	-	Y	-	-
214j_1	LKTR	N	25-Sep-10	51	255	150	0.90	150	Y	net	N	-	-
214k_1	LKTR	N	27-Sep-10	38	181	62	1.05	62	N	-	Y	-	-
214k_2	LKTR	N	27-Sep-10	25	134	24	1.00	24	N	-	Y	-	-
216a_1	LKTR	N	18-Sep-10	38	132	25	1.09	25	N	-	Y	-	-
216c_1	LKTR	N	20-Sep-10	25	120	40	2.31	20	N	-	Y	-	-
216f_1	LKTR	N	23-Sep-10	38	123	14	0.75	14	Y	transfer	N	-	-
218c_1	LKTR	N	24-Sep-10	38	177	55	0.99	55	N	-	Y	-	-
218j_3	LKTR	N	4-Oct-10	38	173	50	0.97	50	Y	net	N	-	-
221b_1	LKTR	N	24-Sep-10	25	120	19	1.10	19	Y	net	N	-	-
221c_3	LKTR	N	25-Sep-10	51	182	61	1.01	61	Y	net	N	-	-
221d_3	LKTR	N	27-Sep-10	38	156	35	0.92	35	N	-	Y	-	-
224c_2	LKTR	N	2-Oct-10	76	265	177	0.95	177	Y	net	N	-	-
226b_1	LKTR	N	1-Oct-10	25	129	19	0.89	19	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
226c_2	LKTR	N	2-Oct-10	25	165	45	1.00	45	N	-	Y	-	-
227a_1	LKTR	N	30-Sep-10	25	137	22	0.86	22	Y	net	N	-	-
229d_1	LKTR	N	4-Oct-10	25	65	44	16.02	3	N	-	Y	-	-
229d_2	LKTR	N	4-Oct-10	38	75	51	12.09	5	N	-	Y	-	-
230d_3	LKTR	N	4-Oct-10	38	192	73	1.03	73	N	-	Y	-	-
230d_5	LKTR	N	4-Oct-10	51	220	105	0.99	105	Y	net	N	-	-
232c_4	LKTR	N	4-Oct-10	38	182	60	1.00	60	Y	net	N	-	-
001a_1	RNWH	N	6-Aug-10	51	358	500	1.09	500	N	-	Y	77076	-
001a_4	RNWH	N	6-Aug-10	76	385	600	1.05	600	N	-	Y	77078	-
001c_1	RNWH	N	6-Aug-10	76	378	525	0.97	525	N	-	Y	77089	-
002b_1	RNWH	N	6-Aug-10	51	335	400	1.06	400	N	-	Y	77085	-
003a_1	RNWH	N	6-Aug-10	76	346	375	0.91	375	N	-	Y	77081	-
003b_1	RNWH	N	6-Aug-10	76	565	500	0.28	2158	N	-	Y	77087	-
003b_2	RNWH	N	6-Aug-10	51	240	150	1.09	150	N	-	Y	-	-
003c_2	RNWH	N	6-Aug-10	76	370	500	0.99	500	N	-	Y	77091	-
003c_3	RNWH	N	6-Aug-10	51	330	400	1.11	400	N	-	Y	-	-
004b_1	RNWH	N	7-Aug-10	76	223	50	0.45	112	N	-	Y	-	-
005a_5	RNWH	N	7-Aug-10	76	373	600	1.16	600	N	-	Y	77095	-
006a_1	RNWH	N	7-Aug-10	51	326	400	1.15	400	N	-	Y	77098	-
008a_1	RNWH	Y	8-Aug-10	102	405	650	0.98	650	Y	net	N	-	15
008b_1	RNWH	N	8-Aug-10	51	320	325	0.99	325	Y	transfer	N	-	-
009a_1	RNWH	Y	8-Aug-10	25	125	50	2.56	18	Y	net	N	-	2
009a_5	RNWH	Y	8-Aug-10	51	360	450	0.96	450	Y	net	N	-	13
009a_7	RNWH	N	8-Aug-10	51	330	400	1.11	400	N	-	Y	77099	-
009a_8	RNWH	N	8-Aug-10	51	365	550	1.13	550	N	-	Y	77075	-
009b_3	RNWH	Y	8-Aug-10	38	175	50	0.93	50	Y	net	N	-	3
009b_6	RNWH	N	8-Aug-10	38	315	400	1.28	400	N	-	Y	-	-
009c_1	RNWH	Y	8-Aug-10	51	425	750	0.98	750	Y	transfer	N	77072	13
009c_2	RNWH	N	8-Aug-10	51	355	450	1.01	450	Y	transfer	N	77071	-
009c_3	RNWH	N	8-Aug-10	51	300	300	1.11	300	N	-	Y	-	-
009c_4	RNWH	N	8-Aug-10	51	325	300	0.87	300	Y	transfer	N	-	-
010b_1	RNWH	N	8-Aug-10	51	235	150	1.16	150	N	-	Y	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
010c_1	RNWH	N	8-Aug-10	25	374	550	1.05	550	Y	net	N	-	-
011a_3	RNWH	Y	9-Aug-10	38	345	475	1.16	475	Y	net	N	-	10
011b_1	RNWH	Y	9-Aug-10	76	377	675	1.26	675	Y	transfer	N	77068	12
011c_1	RNWH	N	9-Aug-10	76	368	600	1.20	600	N	-	Y	-	-
012b_1	RNWH	Y	9-Aug-10	38	237	125	0.94	125	Y	transfer	N	-	5
013b_1	RNWH	Y	9-Aug-10	25	140	25	0.91	25	Y	net	N	-	3
013b_3	RNWH	N	9-Aug-10	76	395	700	1.14	700	N	-	Y	77067	-
013c_2	RNWH	N	9-Aug-10	25	147	25	0.79	25	N	-	Y	-	-
013c_6	RNWH	N	9-Aug-10	38	207	100	1.13	100	N	-	Y	-	-
014a_1	RNWH	Y	10-Aug-10	25	400	650	1.02	650	Y	transfer	N	-	14
014a_2	RNWH	Y	10-Aug-10	76	380	600	1.09	600	Y	transfer	N	-	13
015a_2	RNWH	Y	10-Aug-10	76	398	700	1.11	700	Y	transfer	N	-	15
015c_2	RNWH	N	10-Aug-10	25	136	25	0.99	25	Y	net	N	-	-
017a_2	RNWH	N	11-Aug-10	51	225	150	1.32	150	N	-	Y	-	-
017b_1	RNWH	N	11-Aug-10	76	309	350	1.19	350	N	-	Y	-	-
018b_1	RNWH	N	11-Aug-10	76	335	400	1.06	400	N	-	Y	-	-
019a_2	RNWH	N	11-Aug-10	25	137	25	0.97	25	N	-	Y	-	-
019a_3	RNWH	N	11-Aug-10	25	144	50	1.67	28	N	-	Y	-	-
019a_4	RNWH	N	11-Aug-10	76	338	400	1.04	400	N	-	Y	-	-
019c_2	RNWH	N	11-Aug-10	76	307	300	1.04	300	Y	net	N	-	-
019c_3	RNWH	Y	11-Aug-10	76	405	700	1.05	700	Y	net	N	-	13
019c_4	RNWH	Y	11-Aug-10	76	327	400	1.14	400	Y	net	N	-	nd
020a_2	RNWH	N	11-Aug-10	51	329	500	1.40	500	N	-	Y	-	-
020c_1	RNWH	N	11-Aug-10	76	368	550	1.10	550	N	-	Y	56990	-
021a_7	RNWH	N	11-Aug-10	76	340	600	1.53	600	N	-	Y	56988	-
021b_1	RNWH	Y	11-Aug-10	51	300	300	1.11	300	Y	net	N	-	7
022b_2	RNWH	N	11-Aug-10	76	376	650	1.22	650	N	-	Y	-	-
023c_1	RNWH	N	12-Aug-10	102	359	400	0.86	400	N	-	Y	-	-
023c_2	RNWH	N	12-Aug-10	102	396	600	0.97	600	N	-	Y	-	-
025a_2	RNWH	N	12-Aug-10	38	213	150	1.55	150	N	-	Y	-	-
029c_3	RNWH	N	13-Aug-10	51	302	150	0.54	150	N	-	Y	-	-
029c_4	RNWH	N	13-Aug-10	51	233	150	1.19	150	N	-	Y	-	-
030a_2	RNWH	N	13-Aug-10	38	193	100	1.39	100	N	-	Y	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
031c_2	RNWH	N	13-Aug-10	38	190	100	1.46	68	N	-	Y	-	-
032b_2	RNWH	N	13-Aug-10	38	198	100	1.29	100	N	-	Y	-	-
032b_3	RNWH	N	13-Aug-10	38	225	125	1.10	125	N	-	Y	-	-
033a_5	RNWH	N	13-Aug-10	76	346	350	0.84	350	N	-	Y	-	-
033c_4	RNWH	N	13-Aug-10	76	383	600	1.07	600	N	-	Y	-	-
035b_3	RNWH	N	15-Aug-10	51	386	650	1.13	650	N	-	Y	-	-
035b_4	RNWH	N	15-Aug-10	51	278	300	1.40	300	N	-	Y	-	-
037b_5	RNWH	N	15-Aug-10	76	226	150	1.30	150	N	-	Y	-	-
038d_2	RNWH	N	15-Aug-10	38	206	100	1.14	100	N	-	Y	-	-
041b_1	RNWH	N	15-Aug-10	76	339	500	1.28	500	N	-	Y	77051	-
041c_1	RNWH	N	15-Aug-10	38	285	275	1.19	275	N	-	Y	-	-
042a_1	RNWH	N	16-Aug-10	76	378	650	1.20	650	N	-	Y	56996	-
042a_2	RNWH	N	16-Aug-10	38	346	550	1.33	550	N	-	Y	56997	-
042b_1	RNWH	N	16-Aug-10	76	417	750	1.03	750	N	-	Y	65349	-
042c_2	RNWH	N	16-Aug-10	38	332	475	1.30	475	N	-	Y	65346	-
043a_2	RNWH	N	16-Aug-10	25	137	25	0.97	25	N	-	Y	-	-
043a_3	RNWH	N	16-Aug-10	38	186	75	1.17	75	N	-	Y	-	-
043a_6	RNWH	N	16-Aug-10	76	366	550	1.12	550	N	-	Y	56999	-
043b_2	RNWH	N	16-Aug-10	76	375	650	1.23	650	N	-	Y	65350	-
043c_6	RNWH	N	16-Aug-10	25	138	50	1.90	24	N	-	Y	-	-
044b_4	RNWH	N	16-Aug-10	38	344	500	1.23	500	N	-	Y	65348	-
045b_2	RNWH	Y	17-Aug-10	51	303	300	1.08	300	Y	net	N	-	7
045c_4	RNWH	N	19-Aug-10	51	360	550	1.18	550	Y	net	N	-	-
045c_5	RNWH	N	19-Aug-10	51	340	475	1.21	475	Y	net	N	-	-
045c_6	RNWH	Y	19-Aug-10	38	295	300	1.17	300	Y	net	N	-	7
045c_7	RNWH	Y	19-Aug-10	38	185	75	1.18	75	Y	sacrificed	N	-	3
045c_11	RNWH	N	19-Aug-10	25	127	25	1.22	25	Y	sacrificed	N	-	-
046a_1	RNWH	N	17-Aug-10	25	136	50	1.99	23	N	-	Y	-	-
046b_7	RNWH	Y	17-Aug-10	51	231	125	1.01	125	Y	net	N	-	4
046b_8	RNWH	Y	17-Aug-10	76	396	700	1.13	700	Y	net	N	-	16
046c_1	RNWH	N	19-Aug-10	38	312	325	1.07	325	N	-	Y	58172	-
046c_4	RNWH	N	19-Aug-10	51	237	140	1.05	140	Y	net	N	-	-
046c_6	RNWH	N	19-Aug-10	76	390	675	1.14	675	Y	net	N	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
048a_1	RNWH	N	19-Aug-10	76	361	300	0.64	300	N	-	Y	65345	-
048a_5	RNWH	Y	19-Aug-10	76	338	425	1.10	425	Y	sacrificed	N	-	9
048a_6	RNWH	Y	19-Aug-10	76	385	700	1.23	700	Y	net	N	-	13
048a_7	RNWH	N	19-Aug-10	38	326	425	1.23	425	Y	net	N	-	-
048a_8	RNWH	Y	19-Aug-10	38	229	125	1.04	125	Y	sacrificed	N	-	4
049a_24	RNWH	Y	19-Aug-10	51	225	125	1.10	125	Y	nd	N	-	5
049a_26	RNWH	Y	19-Aug-10	51	222	125	1.14	125	Y	nd	N	-	5
049a_27	RNWH	N	19-Aug-10	76	342	500	1.25	500	Y	nd	N	-	-
049a_28	RNWH	N	19-Aug-10	76	381	650	1.18	650	Y	nd	N	-	-
049a_29	RNWH	Y	19-Aug-10	76	233	150	1.19	150	Y	nd	N	-	5
050a_6	RNWH	Y	19-Aug-10	38	177	75	1.35	75	Y	nd	N	-	4
050a_9	RNWH	Y	19-Aug-10	51	232	150	1.20	150	Y	nd	N	-	3
050a_13	RNWH	N	19-Aug-10	76	386	600	1.04	600	Y	net	N	-	-
051a_3	RNWH	Y	19-Aug-10	25	136	40	1.59	23	Y	net	N	-	2
051a_4	RNWH	Y	19-Aug-10	25	164	50	1.13	50	Y	net	N	-	3
051a_6	RNWH	Y	19-Aug-10	25	142	40	1.40	40	Y	sacrificed	N	-	3
051a_14	RNWH	N	19-Aug-10	38	305	300	1.06	300	Y	net	N	-	-
051a_16	RNWH	Y	19-Aug-10	51	290	275	1.13	275	Y	sacrificed	N	-	8
052a_1	RNWH	N	19-Aug-10	76	382	590	1.06	590	Y	transfer	N	58174	-
052a_2	RNWH	N	19-Aug-10	76	338	400	1.04	400	N	-	Y	58175	-
052a_3	RNWH	N	19-Aug-10	76	399	700	1.10	700	Y	transfer	N	58170	-
052a_6	RNWH	Y	19-Aug-10	38	222	100	0.91	100	Y	sacrificed	N	-	5
052a_11	RNWH	N	19-Aug-10	25	146	25	0.80	25	Y	sacrificed	N	-	-
052a_12	RNWH	Y	19-Aug-10	25	131	19	0.85	19	Y	sacrificed	N	-	nd
054a_1	RNWH	N	20-Aug-10	102	380	750	1.37	750	Y	net	N	-	-
054a_2	RNWH	N	20-Aug-10	76	353	625	1.42	625	Y	net	N	-	-
054a_3	RNWH	N	20-Aug-10	76	318	400	1.24	400	N	-	Y	65344	-
055a_1	RNWH	N	20-Aug-10	51	232	150	1.20	150	N	-	Y	-	-
055a_4	RNWH	N	20-Aug-10	51	328	350	0.99	350	N	-	Y	65342	-
055a_5	RNWH	N	20-Aug-10	51	278	200	0.93	200	N	-	Y	-	-
055a_7	RNWH	N	20-Aug-10	38	205	75	0.87	75	N	-	Y	-	-
055a_10	RNWH	N	20-Aug-10	25	121	25	1.41	25	N	-	Y	-	-
055a_13	RNWH	N	20-Aug-10	25	147	25	0.79	25	Y	net	N	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
056a_1	RNWH	N	20-Aug-10	102	390	700	1.18	700	N	-	Y	65341	-
056a_3	RNWH	N	20-Aug-10	76	385	700	1.23	700	N	-	Y	65343	-
056a_5	RNWH	N	20-Aug-10	51	368	550	1.10	550	N	-	Y	-	-
056a_15	RNWH	N	20-Aug-10	38	191	75	1.08	75	Y	net	N	-	-
056a_17	RNWH	Y	20-Aug-10	38	215	100	1.01	100	Y	transfer	N	-	5
056a_22	RNWH	N	20-Aug-10	25	128	25	1.19	25	Y	transfer	N	-	-
057a_1	RNWH	N	20-Aug-10	76	333	350	0.95	350	Y	net	N	-	-
059a_5	RNWH	Y	20-Aug-10	38	175	75	1.40	75	Y	net	N	-	3
060a_4	RNWH	N	20-Aug-10	51	303	325	1.17	325	Y	net	N	-	-
060a_5	RNWH	N	20-Aug-10	51	317	350	1.10	350	N	-	Y	65340	-
060a_6	RNWH	N	20-Aug-10	51	292	250	1.00	250	N	-	Y	-	-
061a_1	RNWH	N	21-Aug-10	76	322	350	1.05	350	Y	net	N	-	-
062a_1	RNWH	N	21-Aug-10	51	356	500	1.11	500	Y	net	N	-	-
062a_14	RNWH	N	21-Aug-10	25	147	50	1.57	30	Y	net	N	-	-
062a_15	RNWH	N	21-Aug-10	25	152	50	1.42	50	Y	net	N	-	-
064a_2	RNWH	N	21-Aug-10	51	378	575	1.06	575	N	-	Y	-	-
064a_5	RNWH	N	21-Aug-10	25	134	25	1.04	25	Y	net	N	-	-
065b_3	RNWH	N	22-Aug-10	38	370	600	1.18	600	Y	net	N	-	-
065c_2	RNWH	N	23-Aug-10	76	390	675	1.14	675	Y	net	N	-	-
066a_1	RNWH	N	21-Aug-10	76	346	650	1.57	650	N	-	Y	65339	-
066c_4	RNWH	N	22-Aug-10	76	330	400	1.11	400	Y	transfer	N	58167	-
066c_5	RNWH	N	22-Aug-10	76	330	400	1.11	400	N	-	Y	58165	-
066c_7	RNWH	N	22-Aug-10	76	323	350	1.04	350	Y	net	N	-	-
066c_8	RNWH	N	22-Aug-10	76	309	300	1.02	300	Y	net	N	-	-
066d_1	RNWH	N	23-Aug-10	51	293	275	1.09	275	Y	net	N	-	-
066d_2	RNWH	N	23-Aug-10	51	359	550	1.19	550	Y	net	N	-	-
067a_2	RNWH	N	21-Aug-10	25	224	100	0.89	100	N	-	Y	-	-
067c_2	RNWH	N	22-Aug-10	38	184	75	1.20	75	N	-	Y	-	-
067c_3	RNWH	N	22-Aug-10	38	177	75	1.35	75	N	-	Y	-	-
070a_2	RNWH	N	23-Aug-10	76	362	500	1.05	500	Y	net	N	-	-
070a_4	RNWH	N	23-Aug-10	51	226	75	0.65	75	N	-	Y	-	-
071a_5	RNWH	N	23-Aug-10	51	322	400	1.20	400	N	-	Y	58164	-
071a_9	RNWH	N	23-Aug-10	51	353	525	1.19	525	Y	net	N	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
071a_10	RNWH	Y	23-Aug-10	76	405	825	1.24	825	Y	net	N	-	16
072a_1	RNWH	N	23-Aug-10	25	142	25	0.87	25	Y	net	N	-	-
074b_1	RNWH	N	24-Aug-10	51	334	475	1.27	475	Y	net	N	-	-
077a_1	RNWH	N	23-Aug-10	76	377	600	1.12	600	N	-	Y	65338	-
077b_1	RNWH	N	24-Aug-10	76	331	350	0.97	350	N	-	Y	-	-
077b_3	RNWH	N	24-Aug-10	51	333	400	1.08	400	Y	net	N	-	-
077b_5	RNWH	N	24-Aug-10	38	295	275	1.07	275	Y	net	N	-	-
077b_6	RNWH	N	24-Aug-10	38	213	75	0.78	75	N	-	Y	-	-
078a_4	RNWH	N	25-Aug-10	38	117	100	6.24	14	Y	net	N	-	-
079a_2	RNWH	N	25-Aug-10	38	185	75	1.18	75	N	-	Y	-	-
079a_7	RNWH	N	25-Aug-10	76	335	450	1.20	450	N	-	Y	-	-
081a_2	RNWH	N	25-Aug-10	76	308	300	1.03	300	Y	net	N	-	-
081a_12	RNWH	N	25-Aug-10	25	143	25	0.85	25	Y	net	N	-	-
081a_13	RNWH	N	25-Aug-10	25	153	25	0.70	25	Y	net	N	-	-
081a_16	RNWH	N	25-Aug-10	25	141	25	0.89	25	Y	net	N	-	-
081a_17	RNWH	N	25-Aug-10	25	136	25	0.99	25	Y	net	N	-	-
083a_6	RNWH	N	25-Aug-10	38	178	50	0.89	50	N	-	Y	-	-
083a_8	RNWH	N	25-Aug-10	76	355	500	1.12	500	Y	net	N	-	-
083a_9	RNWH	N	25-Aug-10	76	339	500	1.28	500	Y	net	N	-	-
086a_3	RNWH	N	25-Aug-10	38	183	65	1.06	65	Y	net	N	-	-
088a_3	RNWH	N	25-Aug-10	76	275	200	0.96	200	Y	net	N	-	-
089a_1	RNWH	N	25-Aug-10	38	235	100	0.77	100	Y	net	N	-	-
090a_2	RNWH	N	27-Aug-10	76	355	500	1.12	500	Y	net	N	-	-
091a_1	RNWH	N	27-Aug-10	25	142	50	1.75	27	Y	net	N	-	-
091a_7	RNWH	N	27-Aug-10	51	295	300	1.17	300	N	-	Y	-	-
091a_8	RNWH	N	27-Aug-10	51	315	375	1.20	375	Y	net	N	-	-
092a_12	RNWH	N	27-Aug-10	25	129	40	1.86	20	Y	net	N	-	-
094a_1	RNWH	N	27-Aug-10	25	132	50	2.17	21	Y	net	N	-	-
094a_5	RNWH	N	27-Aug-10	76	400	340	0.53	340	N	-	Y	-	-
095a_8	RNWH	N	27-Aug-10	38	218	150	1.45	150	Y	net	N	-	-
096a_2	RNWH	N	27-Aug-10	38	233	125	0.99	125	Y	net	N	-	-
096a_7	RNWH	N	27-Aug-10	25	302	315	1.14	315	Y	net	N	-	-
097a_2	RNWH	N	27-Aug-10	51	293	248	0.99	248	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
097a_4	RNWH	N	27-Aug-10	25	140	19	0.69	19	Y	net	N	-	-
097a_5	RNWH	N	27-Aug-10	25	140	20	0.73	20	Y	net	N	-	-
098a_3	RNWH	N	27-Aug-10	38	183	64	1.04	64	Y	net	N	-	-
098a_9	RNWH	N	27-Aug-10	25	260	70	0.40	183	Y	net	N	-	-
102a_4	RNWH	N	28-Aug-10	25	151	30	0.87	30	Y	net	N	-	-
103a_1	RNWH	N	28-Aug-10	51	325	425	1.24	425	N	-	Y	-	-
103a_2	RNWH	N	28-Aug-10	38	185	25	0.39	62	N	-	Y	-	-
106a_4	RNWH	N	28-Aug-10	51	230	75	0.62	75	N	-	Y	-	-
107a_4	RNWH	N	28-Aug-10	76	369	510	1.02	510	N	-	Y	-	-
108a_1	RNWH	N	29-Aug-10	102	357	475	1.04	475	N	-	Y	-	-
108a_5	RNWH	N	29-Aug-10	51	174	50	0.95	50	N	-	Y	-	-
108a_14	RNWH	N	29-Aug-10	25	144	50	1.67	28	Y	net	N	-	-
108b_1	RNWH	N	30-Aug-10	51	315	325	1.04	325	Y	net	N	-	-
109a_6	RNWH	N	29-Aug-10	38	188	75	1.13	75	Y	net	N	-	-
110a_1	RNWH	N	29-Aug-10	51	305	325	1.15	325	N	-	Y	-	-
114a_3	RNWH	N	30-Aug-10	25	150	50	1.48	32	N	-	Y	-	-
125a_1	RNWH	N	31-Aug-10	25	185	55	0.87	55	Y	net	N	-	-
125a_4	RNWH	N	31-Aug-10	38	140	20	0.73	20	Y	net	N	-	-
126a_5	RNWH	N	31-Aug-10	51	145	50	1.64	29	N	-	Y	-	-
128a_3	RNWH	N	31-Aug-10	51	205	150	1.74	86	N	-	Y	-	-
130a_1	RNWH	N	31-Aug-10	25	120	25	1.45	16	Y	transfer	N	-	-
132a_1	RNWH	N	31-Aug-10	76	380	550	1.00	550	Y	net	N	-	-
134a_7	RNWH	N	31-Aug-10	76	330	400	1.11	400	Y	net	N	-	-
135a_5	RNWH	N	1-Sep-10	51	227	200	1.71	200	N	-	Y	-	-
136a_3	RNWH	N	1-Sep-10	38	145	21	0.69	21	Y	net	N	-	-
138a_2	RNWH	N	1-Sep-10	25	160	32	0.78	32	N	-	Y	-	-
138a_4	RNWH	N	1-Sep-10	25	160	32	0.78	32	Y	net	N	-	-
144a_2	RNWH	N	1-Sep-10	25	150	31	0.92	31	Y	net	N	-	-
145a_1	RNWH	N	1-Sep-10	25	135	50	2.03	23	Y	net	N	-	-
145a_3	RNWH	N	1-Sep-10	38	130	50	2.28	20	N	-	Y	-	-
146a_2	RNWH	N	1-Sep-10	25	138	50	1.90	24	N	-	Y	-	-
146a_7	RNWH	N	1-Sep-10	38	226	150	1.30	150	N	-	Y	-	-
147a_1	RNWH	N	1-Sep-10	76	310	300	1.01	300	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
150a_6	RNWH	N	2-Sep-10	38	185	50	0.79	50	Y	net	N	-	-
160b_1	RNWH	N	8-Sep-10	51	338	450	1.17	450	N	-	Y	-	-
161a_1	RNWH	N	3-Sep-10	51	220	100	0.94	100	N	-	Y	-	-
161a_3	RNWH	N	3-Sep-10	25	160	50	1.22	50	Y	net	N	-	-
161b_2	RNWH	Y	4-Sep-10	51	335	350	0.93	350	Y	net	N	-	10
161b_7	RNWH	N	4-Sep-10	51	165	100	2.23	43	N	-	Y	-	-
161c_3	RNWH	N	5-Sep-10	38	195	50	0.67	50	N	-	Y	-	-
161c_5	RNWH	N	5-Sep-10	25	145	25	0.82	25	N	-	Y	-	-
161c_6	RNWH	N	5-Sep-10	25	150	25	0.74	25	N	-	Y	-	-
161d_3	RNWH	N	6-Sep-10	25	156	37	0.97	37	Y	net	N	-	-
161d_4	RNWH	N	6-Sep-10	38	191	74	1.06	74	Y	net	N	-	-
164a_4	RNWH	N	3-Sep-10	12.5	79	4	0.81	4	Y	net	N	-	-
164a_5	RNWH	N	3-Sep-10	12.5	76	3	0.68	3	Y	net	N	-	-
164a_6	RNWH	N	3-Sep-10	12.5	78	4	0.84	4	Y	net	N	-	-
164a_7	RNWH	N	3-Sep-10	12.5	81	3	0.56	3	Y	net	N	-	-
164a_8	RNWH	N	3-Sep-10	12.5	83	4	0.70	4	Y	net	N	-	-
164c_1	RNWH	N	4-Sep-10	12.5	80	25	4.88	4	Y	net	N	-	-
164c_2	RNWH	N	4-Sep-10	12.5	75	20	4.74	4	N	-	Y	-	-
164c_4	RNWH	N	4-Sep-10	12.5	80	25	4.88	4	Y	net	N	-	-
164c_5	RNWH	N	4-Sep-10	12.5	80	25	4.88	4	Y	net	N	-	-
164c_8	RNWH	N	4-Sep-10	25	155	100	2.69	35	N	-	Y	-	-
164c_17	RNWH	N	4-Sep-10	25	185	100	1.58	62	N	-	Y	-	-
164d_5	RNWH	N	5-Sep-10	25	147	50	1.57	30	N	-	Y	-	-
164e_4	RNWH	N	6-Sep-10	12.5	74	2	0.49	2	Y	net	N	-	-
164h_2	RNWH	N	8-Sep-10	25	145	50	1.64	29	N	-	Y	-	-
164h_6	RNWH	N	8-Sep-10	38	213	100	1.03	100	N	-	Y	-	-
164i_10	RNWH	N	9-Sep-10	38	128	50	2.38	19	Y	net	N	-	-
164j_03	RNWH	N	10-Sep-10	38	163	75	1.73	41	Y	net	N	-	-
164m_3	RNWH	N	12-Sep-10	51	160	200	4.88	39	N	-	Y	-	-
164m_4	RNWH	N	12-Sep-10	51	190	200	2.92	68	N	-	Y	-	-
164m_9	RNWH	N	12-Sep-10	25	160	100	2.44	39	N	-	Y	-	-
164m_14	RNWH	N	12-Sep-10	25	145	50	1.64	29	Y	net	N	-	-
165b_1	RNWH	Y	5-Sep-10	76	345	350	0.85	350	Y	net	N	-	10

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
167b_1	RNWH	N	6-Sep-10	51	170	50	1.02	50	N	-	Y	-	-
171a_2	RNWH	N	4-Sep-10	51	230	100	0.82	100	N	-	Y	-	-
172a_4	RNWH	N	4-Sep-10	25	150	50	1.48	32	N	-	Y	-	-
173b_1	RNWH	N	5-Sep-10	51	250	200	1.28	200	N	-	Y	-	-
175a_2	RNWH	N	4-Sep-10	12.5	75	10	2.37	4	Y	net	N	-	-
175a_3	RNWH	N	4-Sep-10	12.5	80	10	1.95	4	Y	net	N	-	-
175a_4	RNWH	N	4-Sep-10	12.5	70	10	2.92	3	Y	net	N	-	-
175a_5	RNWH	N	4-Sep-10	12.5	95	10	1.17	10	Y	net	N	-	-
175a_6	RNWH	N	4-Sep-10	12.5	80	8	1.56	8	Y	net	N	-	-
175c_1	RNWH	N	6-Sep-10	12.5	80	10	1.95	4	N	-	Y	-	-
175c_2	RNWH	N	6-Sep-10	12.5	85	10	1.63	5	Y	net	N	-	-
175c_4	RNWH	N	6-Sep-10	12.5	80	10	1.95	4	Y	net	N	-	-
175d_1	RNWH	N	7-Sep-10	12.5	74	10	2.47	3	Y	net	N	-	-
177e_1	RNWH	N	8-Sep-10	38	203	75	0.90	75	N	-	Y	-	-
180a_2	RNWH	N	9-Sep-10	38	198	100	1.29	100	Y	net	N	-	-
180b_2	RNWH	Y	10-Sep-10	25	163	100	2.31	41	Y	nd	N	-	2
180d_1	RNWH	N	11-Sep-10	38	303	325	1.17	325	Y	net	N	-	-
180d_4	RNWH	Y	11-Sep-10	25	315	375	1.20	375	Y	net	N	-	8
180e_1	RNWH	N	12-Sep-10	25	150	50	1.48	32	Y	net	N	-	-
180e_4	RNWH	N	12-Sep-10	51	245	150	1.02	150	N	-	Y	-	-
181a_1	RNWH	Y	11-Sep-10	76	405	725	1.09	725	Y	net	N	-	18
183a_2	RNWH	N	12-Sep-10	25	146	25	0.80	25	N	-	Y	-	-
183d_1	RNWH	N	14-Sep-10	51	233	100	0.79	100	N	-	Y	-	-
184a_5	RNWH	N	13-Sep-10	38	180	125	2.14	57	N	-	Y	-	-
184b_2	RNWH	N	14-Sep-10	38	170	50	1.02	50	Y	net	N	-	-
184b_3	RNWH	N	14-Sep-10	12.5	78	5	1.05	5	N	-	Y	-	-
184b_4	RNWH	N	14-Sep-10	12.5	85	5	0.81	5	Y	net	N	-	-
184c_1	RNWH	N	16-Sep-10	12.5	80	5	0.98	5	Y	net	N	-	-
184c_2	RNWH	N	16-Sep-10	12.5	80	5	0.98	5	Y	net	N	-	-
184c_3	RNWH	N	16-Sep-10	12.5	78	5	1.05	5	Y	net	N	-	-
184c_4	RNWH	N	16-Sep-10	12.5	65	3	1.09	3	Y	net	N	-	-
184c_5	RNWH	N	16-Sep-10	12.5	70	3	0.87	3	Y	net	N	-	-
185a_1	RNWH	N	18-Sep-10	38	170	100	2.04	47	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
185h_2	RNWH	N	25-Sep-10	25	145	15	0.49	15	N	-	Y	-	-
185i_3	RNWH	N	27-Sep-10	102	346	500	1.21	500	N	-	Y	-	-
186b_1	RNWH	N	19-Sep-10	38	170	100	2.04	47	N	-	Y	-	-
186c_1	RNWH	N	20-Sep-10	38	170	50	1.02	50	Y	net	N	-	-
186c_2	RNWH	N	20-Sep-10	38	195	55	0.74	55	Y	net	N	-	-
186c_3	RNWH	N	20-Sep-10	38	167	30	0.64	30	Y	net	N	-	-
186f_2	RNWH	N	23-Sep-10	38	201	80	0.99	80	Y	net	N	-	-
186g_3	RNWH	N	24-Sep-10	38	171	48	0.96	48	Y	net	N	-	-
186g_4	RNWH	N	24-Sep-10	38	170	42	0.85	42	N	-	Y	-	-
186h_4	RNWH	N	25-Sep-10	38	185	50	0.79	50	Y	net	N	-	-
186k_2	RNWH	N	29-Sep-10	38	189	60	0.89	60	N	-	Y	-	-
186l_3	RNWH	N	30-Sep-10	51	320	335	1.02	335	N	-	Y	-	-
186m_2	RNWH	N	1-Oct-10	25	110	14	1.05	14	N	-	Y	-	-
186m_3	RNWH	N	1-Oct-10	25	120	20	1.16	20	N	-	Y	-	-
187a_1	RNWH	N	18-Sep-10	12.5	68	3	0.95	3	Y	net	N	-	-
187a_2	RNWH	N	18-Sep-10	12.5	72	3	0.80	3	Y	net	N	-	-
187a_3	RNWH	N	18-Sep-10	12.5	67	3	1.00	3	Y	net	N	-	-
187a_4	RNWH	N	18-Sep-10	25	147	125	3.94	30	Y	net	N	-	-
187a_5	RNWH	N	18-Sep-10	38	166	150	3.28	44	N	-	Y	-	-
187b_1	RNWH	N	19-Sep-10	12.5	81	3	0.56	3	Y	net	N	-	-
187b_2	RNWH	N	19-Sep-10	12.5	84	3	0.51	3	Y	net	N	-	-
187b_3	RNWH	N	19-Sep-10	12.5	70	2	0.58	2	Y	net	N	-	-
187b_5	RNWH	N	19-Sep-10	12.5	79	2	0.41	2	N	-	Y	-	-
187c_1	RNWH	N	20-Sep-10	12.5	65	2	0.73	2	Y	net	N	-	-
187f_1	RNWH	N	23-Sep-10	12.5	70	2	0.58	2	Y	net	N	-	-
189d_2	RNWH	N	21-Sep-10	38	205	50	0.58	50	N	-	Y	-	-
189e_1	RNWH	N	22-Sep-10	25	135	27	1.10	27	N	-	Y	-	-
189j_1	RNWH	N	28-Sep-10	51	182	68	1.13	68	N	-	Y	-	-
190a_7	RNWH	N	5-Sep-10	25	120	25	1.45	16	Y	net	N	-	-
192a_9	RNWH	N	5-Sep-10	25	135	50	2.03	23	Y	net	N	-	-
192b_3	RNWH	N	6-Sep-10	38	300	300	1.11	300	N	-	Y	-	-
192b_11	RNWH	N	6-Sep-10	25	145	25	0.82	25	N	-	Y	-	-
192c_1	RNWH	N	7-Sep-10	25	110	50	3.76	12	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
193a_6	RNWH	N	5-Sep-10	38	110	20	1.50	12	Y	net	N	-	-
193a_7	RNWH	N	5-Sep-10	12.5	110	15	1.13	15	N	-	Y	-	-
193b_1	RNWH	N	6-Sep-10	12.5	100	20	2.00	9	Y	net	N	-	-
193b_2	RNWH	N	6-Sep-10	12.5	90	20	2.74	6	Y	net	N	-	-
193b_3	RNWH	N	6-Sep-10	12.5	100	15	1.50	9	Y	net	N	-	-
193b_4	RNWH	N	6-Sep-10	12.5	100	20	2.00	9	N	-	Y	-	-
193b_5	RNWH	N	6-Sep-10	12.5	95	15	1.75	7	Y	net	N	-	-
193b_6	RNWH	N	6-Sep-10	12.5	90	20	2.74	6	Y	net	N	-	-
193b_7	RNWH	N	6-Sep-10	12.5	110	25	1.88	12	N	-	Y	-	-
193b_8	RNWH	N	6-Sep-10	12.5	100	25	2.50	9	Y	net	N	-	-
193b_9	RNWH	N	6-Sep-10	12.5	100	20	2.00	9	Y	net	N	-	-
193b_10	RNWH	N	6-Sep-10	12.5	100	20	2.00	9	Y	net	N	-	-
193b_11	RNWH	N	6-Sep-10	12.5	100	20	2.00	9	N	-	Y	-	-
193b_13	RNWH	N	6-Sep-10	12.5	100	20	2.00	9	N	-	Y	-	-
193b_14	RNWH	N	6-Sep-10	12.5	100	20	2.00	9	N	-	Y	-	-
193b_15	RNWH	N	6-Sep-10	12.5	100	20	2.00	9	Y	net	N	-	-
193b_16	RNWH	N	6-Sep-10	12.5	90	10	1.37	10	Y	net	N	-	-
193b_18	RNWH	N	6-Sep-10	12.5	100	20	2.00	9	N	-	Y	-	-
193c_1	RNWH	Y	7-Sep-10	25	325	300	0.87	300	Y	net	N	-	8
193c_9	RNWH	N	7-Sep-10	12.5	100	25	2.50	9	Y	net	N	-	-
193c_12	RNWH	N	7-Sep-10	12.5	98	20	2.12	8	Y	net	N	-	-
193c_14	RNWH	N	7-Sep-10	12.5	100	15	1.50	9	Y	net	N	-	-
193c_15	RNWH	N	7-Sep-10	12.5	98	25	2.66	8	Y	net	N	-	-
193c_17	RNWH	N	7-Sep-10	12.5	100	25	2.50	9	N	-	Y	-	-
193d_1	RNWH	N	8-Sep-10	25	115	25	1.64	14	Y	net	N	-	-
193d_2	RNWH	N	8-Sep-10	25	134	25	1.04	25	Y	net	N	-	-
193d_6	RNWH	N	8-Sep-10	12.5	94	25	3.01	7	Y	net	N	-	-
193d_7	RNWH	N	8-Sep-10	12.5	97	25	2.74	8	Y	net	N	-	-
193d_8	RNWH	N	8-Sep-10	12.5	95	25	2.92	7	N	-	Y	-	-
193d_9	RNWH	N	8-Sep-10	12.5	94	25	3.01	7	Y	net	N	-	-
193d_10	RNWH	N	8-Sep-10	12.5	92	25	3.21	7	Y	net	N	-	-
193d_11	RNWH	N	8-Sep-10	12.5	101	25	2.43	9	Y	net	N	-	-
193d_12	RNWH	N	8-Sep-10	12.5	97	25	2.74	8	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
193d_13	RNWH	N	8-Sep-10	12.5	93	25	3.11	7	Y	net	N	-	-
193d_14	RNWH	N	8-Sep-10	12.5	99	25	2.58	9	Y	net	N	-	-
193d_15	RNWH	N	8-Sep-10	12.5	100	25	2.50	9	Y	net	N	-	-
193d_16	RNWH	N	8-Sep-10	12.5	99	25	2.58	9	Y	net	N	-	-
193d_17	RNWH	N	8-Sep-10	12.5	103	25	2.29	10	Y	net	N	-	-
193d_18	RNWH	N	8-Sep-10	12.5	106	25	2.10	11	Y	net	N	-	-
193e_1	RNWH	N	9-Sep-10	12.5	112	25	1.78	13	N	-	Y	-	-
193e_2	RNWH	N	9-Sep-10	12.5	110	25	1.88	12	Y	net	N	-	-
193f_1	RNWH	N	10-Sep-10	12.5	112	25	1.78	13	N	-	Y	-	-
193f_2	RNWH	N	10-Sep-10	12.5	103	25	2.29	10	Y	net	N	-	-
193f_3	RNWH	N	10-Sep-10	12.5	103	25	2.29	10	Y	net	N	-	-
193f_4	RNWH	N	10-Sep-10	12.5	105	25	2.16	10	N	-	Y	-	-
193f_5	RNWH	N	10-Sep-10	12.5	103	25	2.29	10	Y	net	N	-	-
193f_6	RNWH	N	10-Sep-10	12.5	121	25	1.41	25	Y	net	N	-	-
193f_7	RNWH	N	10-Sep-10	12.5	90	25	3.43	6	Y	net	N	-	-
193f_8	RNWH	N	10-Sep-10	12.5	95	25	2.92	7	Y	net	N	-	-
193f_9	RNWH	N	10-Sep-10	12.5	96	25	2.83	8	N	-	Y	-	-
193f_10	RNWH	N	10-Sep-10	12.5	113	25	1.73	13	Y	net	N	-	-
194b_4	RNWH	N	8-Sep-10	25	154	25	0.68	25	Y	net	N	-	-
194b_6	RNWH	N	8-Sep-10	25	168	25	0.53	46	N	-	Y	-	-
194b_7	RNWH	N	8-Sep-10	25	116	25	1.60	14	Y	net	N	-	-
194d_1	RNWH	Y	10-Sep-10	38	320	400	1.22	400	Y	sacrificed	N	-	9
194f_7	RNWH	N	13-Sep-10	25	148	25	0.77	25	N	-	Y	-	-
197b_2	RNWH	N	10-Sep-10	25	139	25	0.93	25	Y	net	N	-	-
198k_1	RNWH	N	20-Sep-10	38	188	75	1.13	75	N	-	Y	-	-
198s_1	RNWH	N	30-Sep-10	25	114	15	1.01	15	N	-	Y	-	-
198s_2	RNWH	N	30-Sep-10	25	146	28	0.90	28	N	-	Y	-	-
199a_1	RNWH	N	9-Sep-10	12.5	89	25	3.55	6	Y	net	N	-	-
199a_2	RNWH	N	9-Sep-10	12.5	78	25	5.27	4	Y	net	N	-	-
199a_3	RNWH	N	9-Sep-10	12.5	78	25	5.27	4	Y	net	N	-	-
199b_1	RNWH	N	10-Sep-10	12.5	77	25	5.48	4	Y	net	N	-	-
199b_3	RNWH	N	10-Sep-10	12.5	79	25	5.07	4	Y	net	N	-	-
199b_4	RNWH	N	10-Sep-10	12.5	62	25	10.49	2	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
199b_5	RNWH	N	10-Sep-10	12.5	81	25	4.70	4	Y	net	N	-	-
199c_1	RNWH	N	11-Sep-10	12.5	71	25	6.98	3	Y	net	N	-	-
199c_2	RNWH	N	11-Sep-10	12.5	64	25	9.54	2	N	-	Y	-	-
200c_1	RNWH	N	12-Sep-10	76	360	500	1.07	500	N	-	Y	58159	-
200d_1	RNWH	Y	13-Sep-10	51	307	275	0.95	275	Y	net	N	-	7
200e_3	RNWH	Y	14-Sep-10	76	408	725	1.07	725	Y	net	N	-	13
200f_2	RNWH	N	15-Sep-10	38	230	150	1.23	150	N	-	Y	-	-
200f_3	RNWH	N	15-Sep-10	51	345	400	0.97	400	N	-	Y	-	-
200o_1	RNWH	N	24-Sep-10	76	325	400	1.17	400	N	-	Y	-	-
201b_1	RNWH	Y	11-Sep-10	38	196	75	1.00	75	Y	net	N	-	5
201c_3	RNWH	Y	12-Sep-10	38	170	25	0.51	47	Y	net	N	-	2
201e_2	RNWH	N	14-Sep-10	38	174	100	1.90	51	N	-	Y	-	-
201e_3	RNWH	N	14-Sep-10	25	144	50	1.67	28	N	-	Y	-	-
201e_4	RNWH	N	14-Sep-10	25	153	75	2.09	34	N	-	Y	-	-
201e_5	RNWH	N	14-Sep-10	25	146	50	1.61	29	Y	net	N	-	-
201f_1	RNWH	N	15-Sep-10	25	146	50	1.61	29	N	-	Y	-	-
201g_2	RNWH	N	16-Sep-10	25	150	30	0.89	30	N	-	Y	-	-
202a_1	RNWH	Y	10-Sep-10	51	415	650	0.91	650	Y	sacrificed	N	-	11
205d_3	RNWH	N	14-Sep-10	76	344	450	1.11	450	N	-	Y	-	-
205j_1	RNWH	N	20-Sep-10	25	144	25	0.84	25	N	-	Y	-	-
206a_1	RNWH	N	11-Sep-10	12.5	113	25	1.73	13	N	-	Y	-	-
206a_2	RNWH	N	11-Sep-10	12.5	112	25	1.78	13	N	-	Y	-	-
206a_4	RNWH	N	11-Sep-10	12.5	102	25	2.36	9	N	-	Y	-	-
206a_5	RNWH	N	11-Sep-10	12.5	98	25	2.66	8	Y	net	N	-	-
206a_6	RNWH	N	11-Sep-10	12.5	97	25	2.74	8	Y	net	N	-	-
206a_10	RNWH	N	11-Sep-10	12.5	98	25	2.66	8	Y	net	N	-	-
206a_11	RNWH	N	11-Sep-10	12.5	100	25	2.50	9	Y	net	N	-	-
206a_12	RNWH	N	11-Sep-10	12.5	110	25	1.88	12	Y	net	N	-	-
206a_13	RNWH	N	11-Sep-10	12.5	92	25	3.21	7	N	-	Y	-	-
206a_14	RNWH	N	11-Sep-10	12.5	100	25	2.50	9	N	-	Y	-	-
206a_15	RNWH	N	11-Sep-10	12.5	101	25	2.43	9	Y	net	N	-	-
206a_16	RNWH	N	11-Sep-10	12.5	96	25	2.83	8	Y	net	N	-	-
206a_17	RNWH	N	11-Sep-10	12.5	96	25	2.83	8	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
206a_19	RNWH	N	11-Sep-10	12.5	91	25	3.32	7	Y	net	N	-	-
206a_20	RNWH	N	11-Sep-10	12.5	92	25	3.21	7	Y	net	N	-	-
206b_1	RNWH	N	12-Sep-10	12.5	117	25	1.56	14	N	-	Y	-	-
206b_2	RNWH	N	12-Sep-10	12.5	107	25	2.04	11	Y	net	N	-	-
206b_3	RNWH	N	12-Sep-10	12.5	110	25	1.88	12	Y	net	N	-	-
206b_4	RNWH	N	12-Sep-10	12.5	114	25	1.69	13	Y	net	N	-	-
206b_5	RNWH	N	12-Sep-10	12.5	108	25	1.98	11	Y	net	N	-	-
206b_6	RNWH	N	12-Sep-10	12.5	112	25	1.78	13	N	-	Y	-	-
206b_7	RNWH	N	12-Sep-10	12.5	115	25	1.64	14	Y	net	N	-	-
206c_2	RNWH	N	13-Sep-10	12.5	191	25	0.36	69	Y	net	N	-	-
206d_1	RNWH	N	14-Sep-10	12.5	100	25	2.50	9	Y	net	N	-	-
206e_1	RNWH	N	15-Sep-10	12.5	95	25	2.92	7	Y	net	N	-	-
206e_2	RNWH	N	15-Sep-10	12.5	104	25	2.22	10	Y	net	N	-	-
206f_1	RNWH	N	16-Sep-10	12.5	98	7	0.74	7	Y	net	N	-	-
206f_2	RNWH	N	16-Sep-10	12.5	93	8	0.99	8	Y	net	N	-	-
206f_3	RNWH	N	16-Sep-10	12.5	94	9	1.08	9	Y	net	N	-	-
206g_1	RNWH	N	17-Sep-10	25	136	25	0.99	25	N	-	Y	-	-
206g_4	RNWH	N	17-Sep-10	12.5	103	10	0.92	10	Y	net	N	-	-
206g_5	RNWH	N	17-Sep-10	12.5	102	10	0.94	10	Y	net	N	-	-
206h_2	RNWH	N	18-Sep-10	25	153	50	1.40	50	N	-	Y	-	-
206h_3	RNWH	N	18-Sep-10	38	165	75	1.67	43	Y	net	N	-	-
206h_4	RNWH	N	18-Sep-10	38	105	25	2.16	10	N	-	Y	-	-
206h_5	RNWH	N	18-Sep-10	25	95	25	2.92	7	Y	net	N	-	-
206h_6	RNWH	N	18-Sep-10	25	97	25	2.74	8	N	-	Y	-	-
206h_8	RNWH	N	18-Sep-10	25	86	25	3.93	5	Y	net	N	-	-
206h_9	RNWH	N	18-Sep-10	25	106	25	2.10	11	Y	net	N	-	-
206h_10	RNWH	N	18-Sep-10	25	96	25	2.83	8	Y	net	N	-	-
206h_12	RNWH	N	18-Sep-10	25	95	25	2.92	7	N	-	Y	-	-
206h_13	RNWH	N	18-Sep-10	25	89	25	3.55	6	Y	net	N	-	-
206h_14	RNWH	N	18-Sep-10	25	97	25	2.74	8	Y	net	N	-	-
206i_6	RNWH	N	19-Sep-10	12.5	91	10	1.33	10	Y	net	N	-	-
206i_7	RNWH	N	19-Sep-10	12.5	98	12	1.27	12	Y	net	N	-	-
206k_2	RNWH	N	21-Sep-10	12.5	87	6	0.91	6	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
206m_1	RNWH	N	23-Sep-10	25	nd	nd	nd	nd	Y	net	N	-	-
206n_1	RNWH	N	24-Sep-10	12.5	100	8	0.80	8	Y	net	N	-	-
206n_2	RNWH	N	24-Sep-10	12.5	85	7	1.14	7	Y	net	N	-	-
206o_3	RNWH	N	25-Sep-10	12.5	110	10	0.75	10	Y	net	N	-	-
206r_1	RNWH	N	30-Sep-10	25	96	10	1.13	10	N	-	Y	-	-
207a_1	RNWH	N	11-Sep-10	76	361	525	1.12	525	N	-	Y	58162	-
207b_9	RNWH	N	13-Sep-10	25	148	25	0.77	25	Y	net	N	-	-
208a_1	RNWH	N	13-Sep-10	12.5	74	10	2.47	3	N	-	Y	-	-
208a_2	RNWH	N	13-Sep-10	12.5	77	10	2.19	4	N	-	Y	-	-
208b_1	RNWH	N	14-Sep-10	12.5	78	10	2.11	4	Y	net	N	-	-
209b_2	RNWH	N	14-Sep-10	25	145	25	0.82	25	N	-	Y	-	-
209b_3	RNWH	N	14-Sep-10	25	147	25	0.79	25	N	-	Y	-	-
209c_1	RNWH	Y	15-Sep-10	51	370	650	1.28	650	Y	transfer	N	58157	11
209c_3	RNWH	N	15-Sep-10	25	138	50	1.90	24	N	-	Y	-	-
209c_4	RNWH	N	15-Sep-10	25	148	75	2.31	31	Y	net	N	-	-
209m_1	RNWH	N	25-Sep-10	25	153	36	1.01	36	N	-	Y	-	-
210e_1	RNWH	N	18-Sep-10	51	295	250	0.97	250	N	-	Y	-	-
211a_4	RNWH	N	14-Sep-10	51	236	150	1.14	150	N	-	Y	-	-
211b_3	RNWH	N	15-Sep-10	38	185	75	1.18	75	N	-	Y	-	-
211b_4	RNWH	N	15-Sep-10	25	148	50	1.54	31	Y	net	N	-	-
211c_2	RNWH	N	16-Sep-10	51	228	150	1.27	150	N	-	Y	-	-
211e_2	RNWH	N	18-Sep-10	25	142	25	0.87	25	Y	net	N	-	-
214b_2	RNWH	N	17-Sep-10	25	140	25	0.91	25	N	-	Y	-	-
214k_3	RNWH	N	27-Sep-10	25	151	33	0.96	33	Y	net	N	-	-
215e_1	RNWH	N	22-Sep-10	38	179	50	0.87	50	N	-	Y	-	-
215e_2	RNWH	N	22-Sep-10	51	176	50	0.92	50	N	-	Y	-	-
216l_2	RNWH	N	1-Oct-10	25	115	15	0.99	15	N	-	Y	-	-
218j_2	RNWH	N	4-Oct-10	38	215	100	1.01	100	Y	net	N	-	-
219b_1	RNWH	N	27-Sep-10	76	320	500	1.53	500	N	-	Y	-	-
219d_1	RNWH	N	29-Sep-10	76	328	400	1.13	400	N	-	Y	-	-
220d_2	RNWH	N	21-Sep-10	51	332	375	1.02	375	Y	net	N	-	-
220h_1	RNWH	N	25-Sep-10	25	145	25	0.82	25	Y	net	N	-	-
220j_2	RNWH	N	29-Sep-10	38	197	70	0.92	70	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
220l_1	RNWH	N	1-Oct-10	76	310	303	1.02	303	N	-	Y	-	-
220n_1	RNWH	N	4-Oct-10	25	156	38	1.00	38	N	-	Y	-	-
221c_1	RNWH	N	25-Sep-10	25	165	36	0.80	36	Y	net	N	-	-
222c_1	RNWH	N	2-Oct-10	51	231	119	0.97	119	N	-	Y	-	-
224c_1	RNWH	N	2-Oct-10	38	170	45	0.92	45	N	-	Y	-	-
226a_1	RNWH	N	30-Sep-10	25	161	nd		40	Y	net	N	-	-
230a_1	RNWH	N	30-Sep-10	51	169	47	0.97	47	N	-	Y	-	-
230b_1	RNWH	N	1-Oct-10	25	72	2	0.54	2	N	-	Y	-	-
230b_4	RNWH	N	1-Oct-10	38	180	53	0.91	53	N	-	Y	-	-
230d_1	RNWH	N	4-Oct-10	38	170	85	1.73	47	Y	net	N	-	-
230d_6	RNWH	N	4-Oct-10	51	330	198	0.55	198	N	-	Y	-	-
231a_1	RNWH	N	1-Oct-10	25	92	7	0.90	7	N	-	Y	-	-
231b_2	RNWH	N	2-Oct-10	12.5	102	10	0.94	10	Y	net	N	-	-
231c_2	RNWH	N	4-Oct-10	12.5	99	5	0.52	5	Y	net	N	-	-
231c_3	RNWH	N	4-Oct-10	12.5	110	8	0.60	8	Y	net	N	-	-
232a_1	RNWH	N	1-Oct-10	25	132	24	1.04	24	N	-	Y	-	-
232b_1	RNWH	N	2-Oct-10	51	219	125	1.19	125	N	-	Y	-	-
232c_5	RNWH	N	4-Oct-10	38	185	60	0.95	60	Y	net	N	-	-
027b_1	BURB	N	12-Aug-10	25	130	25	1.14	25	N	-	Y	-	-
027c_1	BURB	N	12-Aug-10	38	206	50	0.57	50	Y	sacrificed	N	-	-
028b_4	BURB	N	12-Aug-10	76	595	2000	0.95	2000	N	-	Y	-	-
040a	BURB	N	15-Aug-10	25	139	25	0.93	25	Y	sacrificed	N	-	-
045c_3	BURB	N	19-Aug-10	51	311	175	0.58	175	Y	sacrificed	N	-	-
046c_5	BURB	N	19-Aug-10	51	293	150	0.60	150	Y	sacrificed	N	-	-
049a_12	BURB	N	19-Aug-10	38	246	100	0.67	100	Y	nd	N	-	-
049a_21	BURB	N	19-Aug-10	51	273	150	0.74	150	Y	nd	N	-	-
050a_4	BURB	N	19-Aug-10	38	201	50	0.62	50	Y	nd	N	-	-
050a_12	BURB	N	19-Aug-10	51	259	150	0.86	150	Y	nd	N	-	-
051a_2	BURB	N	19-Aug-10	25	155	40	1.07	40	Y	net	N	-	-
051a_13	BURB	N	19-Aug-10	38	210	60	0.65	60	Y	net	N	-	-
052a_9	BURB	N	19-Aug-10	38	231	73	0.59	73	Y	net	N	-	-
052a_10	BURB	N	19-Aug-10	38	212	65	0.68	65	Y	net	N	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
052a_13	BURB	N	19-Aug-10	25	139	16	0.60	16	Y	sacrificed	N	-	-
052a_14	BURB	N	19-Aug-10	25	144	18	0.60	18	Y	sacrificed	N	-	-
053a_2	BURB	N	20-Aug-10	76	420	475	0.64	475	Y	sacrificed	N	-	-
053a_3	BURB	N	20-Aug-10	51	260	119	0.68	119	Y	sacrificed	N	-	-
053a_4	BURB	N	20-Aug-10	38	146	18	0.58	18	Y	sacrificed	N	-	-
053a_5	BURB	N	20-Aug-10	38	143	19	0.65	19	Y	sacrificed	N	-	-
057a_2	BURB	N	20-Aug-10	51	226	175	1.52	85	N	-	Y	-	-
057a_3	BURB	N	20-Aug-10	51	197	75	0.98	75	Y	net	N	-	-
057a_4	BURB	N	20-Aug-10	38	136	50	1.99	18	Y	net	N	-	-
057a_5	BURB	N	20-Aug-10	38	143	50	1.71	21	Y	net	N	-	-
058a_2	BURB	N	20-Aug-10	51	224	75	0.67	75	Y	net	N	-	-
058a_3	BURB	N	20-Aug-10	38	206	75	0.86	75	N	-	Y	-	-
059a_1	BURB	N	20-Aug-10	25	157	50	1.29	28	Y	net	N	-	-
059a_3	BURB	N	20-Aug-10	38	208	125	1.39	66	Y	net	N	-	-
062a_9	BURB	N	21-Aug-10	25	152	50	1.42	26	Y	net	N	-	-
062a_10	BURB	N	21-Aug-10	25	131	25	1.11	25	N	-	Y	-	-
063a_1	BURB	N	21-Aug-10	51	258	150	0.87	150	N	-	Y	-	-
064a_1	BURB	N	21-Aug-10	76	357	350	0.77	350	N	-	Y	-	-
065b_1	BURB	N	22-Aug-10	76	400	450	0.70	450	N	-	Y	-	-
065b_2	BURB	N	22-Aug-10	76	265	100	0.54	100	Y	net	N	-	-
067a_1	BURB	N	21-Aug-10	25	176	50	0.92	50	N	-	Y	-	-
067a_3	BURB	N	21-Aug-10	38	215	75	0.75	75	N	-	Y	-	-
067b_1	BURB	N	21-Aug-10	51	260	200	1.14	200	N	-	Y	-	-
067c_4	BURB	N	22-Aug-10	38	200	40	0.50	40	Y	net	N	-	-
067c_5	BURB	N	22-Aug-10	38	186	50	0.78	50	N	-	Y	-	-
067c_6	BURB	N	22-Aug-10	38	180	40	0.69	40	Y	net	N	-	-
067d_1	BURB	N	23-Aug-10	38	210	50	0.54	50	N	-	Y	-	-
067d_2	BURB	N	23-Aug-10	38	194	50	0.68	50	N	-	Y	-	-
069a_2	BURB	N	22-Aug-10	25	135	25	1.02	25	Y	net	N	-	-
069a_3	BURB	N	22-Aug-10	25	146	25	0.80	25	Y	net	N	-	-
069a_4	BURB	N	22-Aug-10	25	131	50	2.22	16	N	-	Y	-	-
069a_5	BURB	N	22-Aug-10	38	200	50	0.63	50	N	-	Y	-	-
069a_6	BURB	N	22-Aug-10	38	215	100	1.01	100	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
069b_1	BURB	N	23-Aug-10	38	195	50	0.67	50	N	-	Y	-	-
070a_3	BURB	N	23-Aug-10	51	252	75	0.47	75	Y	net	N	-	-
072b_6	BURB	N	24-Aug-10	38	230	125	1.03	125	N	-	Y	-	-
073a_1	BURB	N	23-Aug-10	25	143	25	0.85	25	Y	net	N	-	-
073b_4	BURB	N	24-Aug-10	25	143	25	0.85	25	N	-	Y	-	-
074b_4	BURB	N	24-Aug-10	25	139	25	0.93	25	N	-	Y	-	-
075a_1	BURB	N	23-Aug-10	38	190	50	0.73	50	N	-	Y	-	-
075b_1	BURB	N	24-Aug-10	38	229	50	0.42	88	N	-	Y	-	-
075b_2	BURB	N	24-Aug-10	25	149	25	0.76	25	N	-	Y	-	-
075b_3	BURB	N	24-Aug-10	25	127	25	1.22	15	N	-	Y	-	-
075b_5	BURB	N	24-Aug-10	25	247	75	0.50	75	N	-	Y	-	-
076b_1	BURB	N	24-Aug-10	76	403	375	0.57	375	N	-	Y	-	-
080a_3	BURB	N	25-Aug-10	38	221	100	0.93	100	N	-	Y	-	-
080a_4	BURB	N	25-Aug-10	38	225	100	0.88	100	Y	net	N	-	-
081a_3	BURB	N	25-Aug-10	38	200	50	0.63	50	Y	net	N	-	-
081a_5	BURB	N	25-Aug-10	38	215	50	0.50	50	N	-	Y	-	-
081a_8	BURB	N	25-Aug-10	25	165	25	0.56	25	N	-	Y	-	-
084a_2	BURB	N	25-Aug-10	38	211	64	0.68	64	Y	net	N	-	-
084a_3	BURB	N	25-Aug-10	38	215	55	0.55	55	Y	net	N	-	-
084a_4	BURB	N	25-Aug-10	38	221	70	0.65	70	Y	net	N	-	-
084a_5	BURB	N	25-Aug-10	38	223	73	0.66	73	Y	net	N	-	-
084a_6	BURB	N	25-Aug-10	25	149	20	0.60	20	Y	net	N	-	-
085a_1	BURB	N	25-Aug-10	38	179	40	0.70	40	Y	net	N	-	-
085a_3	BURB	N	25-Aug-10	25	146	25	0.80	25	N	-	Y	-	-
087a_3	BURB	N	25-Aug-10	38	262	100	0.56	100	Y	net	N	-	-
093a_6	BURB	N	27-Aug-10	76	406	500	0.75	500	Y	net	N	-	-
094a_4	BURB	N	27-Aug-10	76	525	422	0.29	1066	N	-	Y	-	-
097a_9	BURB	N	27-Aug-10	25	151	20	0.58	20	Y	net	N	-	-
098a_10	BURB	N	27-Aug-10	25	210	25	0.27	68	Y	net	N	-	-
099a_1	BURB	N	27-Aug-10	25	160	26	0.63	26	Y	net	N	-	-
099a_2	BURB	N	27-Aug-10	38	210	200	2.16	68	N	-	Y	-	-
099a_3	BURB	N	27-Aug-10	38	240	150	1.09	150	N	-	Y	-	-
099a_5	BURB	N	27-Aug-10	51	240	150	1.09	150	N	-	Y	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
101a_1	BURB	N	27-Aug-10	51	100	nd	nd	7	N	-	Y	-	-
108a_2	BURB	N	29-Aug-10	76	271	125	0.63	125	Y	net	N	-	-
109a_2	BURB	N	29-Aug-10	25	149	25	0.76	25	Y	net	N	-	-
109a_3	BURB	N	29-Aug-10	25	155	40	1.07	40	Y	net	N	-	-
109a_5	BURB	N	29-Aug-10	38	213	100	1.03	100	N	-	Y	-	-
109a_7	BURB	N	29-Aug-10	38	192	50	0.71	50	Y	net	N	-	-
109b_1	BURB	N	30-Aug-10	38	225	75	0.66	75	N	-	Y	-	-
110a_4	BURB	N	29-Aug-10	38	200	50	0.63	50	N	-	Y	-	-
111a_1	BURB	N	29-Aug-10	76	270	32	0.16	144	N	-	Y	-	-
112a_1	BURB	N	29-Aug-10	38	210	100	1.08	100	N	-	Y	-	-
112a_2	BURB	N	29-Aug-10	38	195	100	1.35	54	Y	net	N	-	-
112a_3	BURB	N	29-Aug-10	38	145	25	0.82	25	N	-	Y	-	-
113a_1	BURB	N	29-Aug-10	38	210	200	2.16	68	Y	net	N	-	-
114a_1	BURB	N	30-Aug-10	38	260	200	1.14	200	N	-	Y	-	-
115a_1	BURB	N	30-Aug-10	38	210	55	0.59	55	Y	net	N	-	-
120a_3	BURB	N	30-Aug-10	38	120	150	8.68	13	N	-	Y	-	-
123a_2	BURB	N	31-Aug-10	38	200	100	1.25	59	N	-	Y	-	-
125a_2	BURB	N	31-Aug-10	38	340	400	1.02	400	N	-	Y	-	-
125a_3	BURB	N	31-Aug-10	38	190	50	0.73	50	N	-	Y	-	-
126a_1	BURB	N	31-Aug-10	51	300	225	0.83	225	Y	net	N	-	-
126a_2	BURB	N	31-Aug-10	51	287	225	0.95	225	N	-	Y	-	-
126a_3	BURB	N	31-Aug-10	51	213	150	1.55	71	N	-	Y	-	-
126a_4	BURB	N	31-Aug-10	51	190	100	1.46	50	N	-	Y	-	-
126a_6	BURB	N	31-Aug-10	51	260	150	0.85	150	N	-	Y	-	-
127a_1	BURB	N	31-Aug-10	38	250	150	0.96	150	Y	net	N	-	-
129a_1	BURB	N	31-Aug-10	51	290	200	0.82	200	N	-	Y	-	-
129a_2	BURB	N	31-Aug-10	51	285	225	0.97	225	N	-	Y	-	-
130a_2	BURB	N	31-Aug-10	38	240	125	0.90	125	N	-	Y	-	-
131a_1	BURB	N	31-Aug-10	38	121	100	5.64	13	Y	net	N	-	-
133a_1	BURB	N	31-Aug-10	38	195	150	2.02	54	N	-	Y	-	-
135a_2	BURB	N	1-Sep-10	38	225	150	1.32	83	N	-	Y	-	-
135a_4	BURB	N	1-Sep-10	38	221	150	1.39	79	N	-	Y	-	-
137a_1	BURB	N	1-Sep-10	38	215	100	1.01	100	Y	net	N	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
137a_2	BURB	N	1-Sep-10	38	205	75	0.87	75	N	-	Y	-	-
137a_3	BURB	N	1-Sep-10	38	150	23	0.68	23	Y	net	N	-	-
137a_4	BURB	N	1-Sep-10	38	340	433	1.10	433	Y	net	N	-	-
139a_3	BURB	N	1-Sep-10	38	200	50	0.63	50	N	-	Y	-	-
144a_4	BURB	N	1-Sep-10	38	220	60	0.56	60	Y	net	N	-	-
144a_5	BURB	N	1-Sep-10	38	350	217	0.51	217	Y	net	N	-	-
147b_1	BURB	N	2-Sep-10	25	180	100	1.71	43	N	-	Y	-	-
147b_2	BURB	N	2-Sep-10	25	190	100	1.46	50	N	-	Y	-	-
148a_2	BURB	N	2-Sep-10	51	190	100	1.46	50	N	-	Y	-	-
152a_2	BURB	N	3-Sep-10	38	200	30	0.38	30	N	-	Y	-	-
154a_3	BURB	N	3-Sep-10	38	220	25	0.23	78	N	-	Y	-	-
154a_4	BURB	N	3-Sep-10	38	220	25	0.23	78	N	-	Y	-	-
161c_4	BURB	N	5-Sep-10	38	200	75	0.94	75	N	-	Y	-	-
163a_2	BURB	N	5-Sep-10	38	263	100	0.55	100	N	-	Y	-	-
163b_1	BURB	N	6-Sep-10	25	173	50	0.97	50	N	-	Y	-	-
163c_1	BURB	N	8-Sep-10	25	210	150	1.62	68	N	-	Y	-	-
163c_2	BURB	N	8-Sep-10	25	165	50	1.11	50	N	-	Y	-	-
164a_1	BURB	N	3-Sep-10	38	195	75	1.01	75	Y	net	N	-	-
164d_1	BURB	N	5-Sep-10	38	194	50	0.68	50	N	-	Y	-	-
164m_13	BURB	N	12-Sep-10	38	220	100	0.94	100	Y	net	N	-	-
166a_3	BURB	N	4-Sep-10	38	220	100	0.94	100	N	-	Y	-	-
166b_1	BURB	N	8-Sep-10	38	212	100	1.05	100	N	-	Y	-	-
166b_2	BURB	N	8-Sep-10	38	191	100	1.44	51	N	-	Y	-	-
167a_1	BURB	N	5-Sep-10	38	228	100	0.84	100	N	-	Y	-	-
167d_1	BURB	N	11-Sep-10	38	215	100	1.01	100	N	-	Y	-	-
168a_1	BURB	N	7-Sep-10	38	205	100	1.16	100	N	-	Y	-	-
168a_2	BURB	N	7-Sep-10	25	152	50	1.42	26	N	-	Y	-	-
168a_3	BURB	N	7-Sep-10	38	182	100	1.66	44	N	-	Y	-	-
168b_1	BURB	N	7-Sep-10	25	170	75	1.53	36	N	-	Y	-	-
168b_2	BURB	N	7-Sep-10	25	165	75	1.67	33	N	-	Y	-	-
168b_3	BURB	N	7-Sep-10	25	145	50	1.64	22	N	-	Y	-	-
169a_1	BURB	N	10-Sep-10	38	215	75	0.75	75	Y	net	N	-	-
169b_1	BURB	N	13-Sep-10	38	225	150	1.32	83	N	-	Y	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
169c_1	BURB	N	13-Sep-10	38	220	125	1.17	125	N	-	Y	-	-
169d_1	BURB	N	14-Sep-10	38	201	55	0.68	55	N	-	Y	-	-
169e_1	BURB	N	16-Sep-10	38	210	50	0.54	50	N	-	Y	-	-
170a_3	BURB	N	4-Sep-10	38	255	100	0.60	100	N	-	Y	-	-
174c_5	BURB	N	6-Sep-10	38	200	75	0.94	75	Y	net	N	-	-
174c_6	BURB	N	6-Sep-10	51	240	175	1.27	175	N	-	Y	-	-
178a_1	BURB	N	4-Sep-10	25	140	32	1.17	32	N	-	Y	-	-
178a_2	BURB	N	4-Sep-10	25	140	30	1.09	30	N	-	Y	-	-
179c_3	BURB	N	7-Sep-10	38	198	50	0.64	50	N	-	Y	-	-
180d_3	BURB	N	11-Sep-10	25	271	175	0.88	175	N	-	Y	-	-
180f_1	BURB	N	13-Sep-10	25	180	25	0.43	43	N	-	Y	-	-
180h_1	BURB	N	14-Sep-10	25	150	50	1.48	25	Y	net	N	-	-
180h_2	BURB	N	14-Sep-10	38	225	100	0.88	100	N	-	Y	-	-
181c_1	BURB	N	15-Sep-10	38	220	75	0.70	75	N	-	Y	-	-
182a_2	BURB	N	10-Sep-10	38	282	150	0.67	150	N	-	Y	-	-
182b_1	BURB	N	10-Sep-10	38	220	125	1.17	125	N	-	Y	-	-
182c_1	BURB	N	11-Sep-10	51	262	150	0.83	150	N	-	Y	-	-
182e_1	BURB	N	13-Sep-10	38	195	51	0.69	51	Y	net	N	-	-
182h_2	BURB	N	16-Sep-10	38	221	35	0.32	79	N	-	Y	-	-
182h_3	BURB	N	16-Sep-10	38	185	15	0.24	46	Y	net	N	-	-
182i_1	BURB	N	17-Sep-10	38	220	100	0.94	100	N	-	Y	-	-
182i_2	BURB	N	17-Sep-10	38	207	75	0.85	75	N	-	Y	-	-
184a_6	BURB	N	13-Sep-10	38	298	250	0.94	250	N	-	Y	-	-
184b_1	BURB	N	14-Sep-10	38	195	75	1.01	75	N	-	Y	-	-
186b_2	BURB	N	19-Sep-10	38	189	85	1.26	85	N	-	Y	-	-
186c_5	BURB	N	20-Sep-10	38	216	75	0.74	75	N	-	Y	-	-
186d_1	BURB	N	21-Sep-10	38	182	50	0.83	50	N	-	Y	-	-
186f_1	BURB	N	23-Sep-10	38	213	70	0.72	70	N	-	Y	-	-
186g_1	BURB	N	24-Sep-10	38	205	60	0.70	60	N	-	Y	-	-
186k_1	BURB	N	29-Sep-10	25	237	60	0.45	60	N	-	Y	-	-
186l_1	BURB	N	30-Sep-10	25	95	20	2.33	6	N	-	Y	-	-
186l_2	BURB	N	30-Sep-10	38	240	95	0.69	95	N	-	Y	-	-
189b_1	BURB	N	19-Sep-10	25	150	25	0.74	25	N	-	Y	-	-

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net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
189b_2	BURB	N	19-Sep-10	38	200	50	0.63	50	N	-	Y	-	-
189b_3	BURB	N	19-Sep-10	51	255	100	0.60	100	N	-	Y	-	-
189c_2	BURB	N	20-Sep-10	38	196	50	0.66	50	N	-	Y	-	-
189d_1	BURB	N	21-Sep-10	51	269	100	0.51	100	N	-	Y	-	-
189g_1	BURB	N	24-Sep-10	38	219	80	0.76	80	N	-	Y	-	-
189i_1	BURB	N	27-Sep-10	38	230	76	0.62	76	N	-	Y	-	-
189k_1	BURB	N	29-Sep-10	38	230	82	0.67	82	N	-	Y	-	-
190a_2	BURB	N	5-Sep-10	38	250	100	0.64	100	Y	net	N	-	-
190e_9	BURB	N	9-Sep-10	51	258	150	0.87	150	N	-	Y	-	-
191b_3	BURB	N	6-Sep-10	51	270	150	0.76	150	N	-	Y	-	-
192b_1	BURB	N	6-Sep-10	102	540	1200	0.76	1200	Y	net	N	-	-
194a_1	BURB	N	7-Sep-10	25	237	50	0.38	98	N	-	Y	-	-
196d_2	BURB	N	13-Sep-10	38	210	50	0.54	50	N	-	Y	-	-
197b_1	BURB	N	10-Sep-10	38	176	25	0.46	40	N	-	Y	-	-
198q_4	BURB	N	27-Sep-10	38	212	64	0.67	64	Y	net	N	-	-
201d_2	BURB	N	13-Sep-10	38	213	50	0.52	50	Y	net	N	-	-
203d_1	BURB	N	14-Sep-10	51	225	100	0.88	100	N	-	Y	-	-
203d_3	BURB	N	14-Sep-10	38	238	125	0.93	125	Y	net	N	-	-
204c_2	BURB	N	13-Sep-10	38	221	50	0.46	50	N	-	Y	-	-
204e_1	BURB	N	15-Sep-10	25	137	50	1.94	19	N	-	Y	-	-
206a_8	BURB	N	11-Sep-10	12.5	122	150	8.26	13	N	-	Y	-	-
206c_1	BURB	N	13-Sep-10	38	223	50	0.45	81	N	-	Y	-	-
209d_2	BURB	N	16-Sep-10	38	196	56	0.74	56	N	-	Y	-	-
214c_2	BURB	N	18-Sep-10	38	266	125	0.66	125	N	-	Y	-	-
214j_2	BURB	N	25-Sep-10	38	215	60	0.60	60	N	-	Y	-	-
216j_1	BURB	N	29-Sep-10	38	257	115	0.68	115	Y	net	N	-	-
217g_1	BURB	N	30-Sep-10	38	220	64	0.60	64	N	-	Y	-	-
217g_2	BURB	N	30-Sep-10	38	188	46	0.69	46	N	-	Y	-	-
218d_1	BURB	N	25-Sep-10	38	210	50	0.54	50	Y	net	N	-	-
218e_1	BURB	N	27-Sep-10	38	210	55	0.59	55	Y	net	N	-	-
218e_2	BURB	N	27-Sep-10	38	200	45	0.56	45	N	-	Y	-	-
218g_1	BURB	N	30-Sep-10	38	220	75	0.70	75	N	-	Y	-	-
218g_2	BURB	N	30-Sep-10	25	145	20	0.66	20	N	-	Y	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
218h_1	BURB	N	1-Oct-10	51	191	31	0.44	31	N	-	Y	-	-
218j_1	BURB	N	4-Oct-10	38	192	60	0.85	60	N	-	Y	-	-
218j_4	BURB	N	4-Oct-10	38	153	18	0.50	18	N	-	Y	-	-
218j_5	BURB	N	4-Oct-10	38	148	19	0.59	19	N	-	Y	-	-
220a_1	BURB	N	18-Sep-10	51	254	200	1.22	200	N	-	Y	-	-
220b_1	BURB	N	19-Sep-10	51	285	150	0.65	150	Y	net	N	-	-
220d_1	BURB	N	21-Sep-10	38	210	50	0.54	50	N	-	Y	-	-
220d_3	BURB	N	21-Sep-10	51	267	90	0.47	90	N	-	Y	-	-
220i_2	BURB	N	27-Sep-10	38	222	70	0.64	70	N	-	Y	-	-
220j_1	BURB	N	29-Sep-10	38	237	85	0.64	85	N	-	Y	-	-
221c_4	BURB	N	25-Sep-10	51	268	110	0.57	110	N	-	Y	-	-
222d_1	BURB	N	4-Oct-10	51	270	140	0.71	140	N	-	Y	-	-
222d_2	BURB	N	4-Oct-10	38	375	450	0.85	450	N	-	Y	-	-
225b_1	BURB	N	1-Oct-10	38	253	110	0.68	110	N	-	Y	-	-
226d_1	BURB	N	4-Oct-10	51	270	80	0.41	144	Y	net	N	-	-
226d_2	BURB	N	4-Oct-10	38	220	65	0.61	65	N	-	Y	-	-
230b_2	BURB	N	1-Oct-10	38	210	60	0.65	60	N	-	Y	-	-
230b_3	BURB	N	1-Oct-10	38	200	55	0.69	55	N	-	Y	-	-
230d_2	BURB	N	4-Oct-10	25	150	19	0.56	19	N	-	Y	-	-
230d_4	BURB	N	4-Oct-10	38	210	59	0.64	59	N	-	Y	-	-
231b_1	BURB	N	2-Oct-10	25	135	17	0.69	17	N	-	Y	-	-
231c_1	BURB	N	4-Oct-10	25	232	15	0.12	91	N	-	Y	-	-
233b_1	BURB	N	2-Oct-10	38	220	62	0.58	62	N	-	Y	-	-
233b_2	BURB	N	2-Oct-10	38	218	75	0.72	75	N	-	Y	-	-
164c_3	NSST	N	4-Sep-10	12.5	60	20	9.26	nd	N	-	Y	-	-
175b_1	NSST	N	5-Sep-10	12.5	65	10	3.64	nd	Y	net	N	-	-
187b_4	NSST	N	19-Sep-10	12.5	56	2	1.14	2	Y	net	N	-	-
050a_1	<i>Salvelinus sp.</i>	N	19-Aug-10	25	113	25	1.73	25	Y	nd	N	-	-
077b_10	<i>Salvelinus sp.</i>	N	24-Aug-10	25	132	25	1.09	25	Y	net	N	-	-
097a_6	<i>Salvelinus sp.</i>	N	27-Aug-10	25	120	18	1.04	18	Y	net	N	-	-
134a_1	<i>Salvelinus sp.</i>	N	31-Aug-10	25	125	29	1.48	29	Y	net	N	-	-

Sample ID	Species Code	DBA ¹	Collection Date	Mesh Size	Length	Field Weight	K based on field lengths (mm) & field weights (g)	Weights used in calculation of CPUE and Final Removal Biomass ²	Mortality	Cause of Death	Successfully Transferred to TPL?	Floy© tag	Age
net.set_fish		(Y/N)	dd/mo/yr	(mm)	(mm)	(g)		(g)	(Y/N)		(Y/N)	(NSC #)	(yrs)
193b_17	<i>Salvelinus sp.</i>	N	6-Sep-10	12.5	95	20	2.33	20	Y	net	N	-	-
194f_5	<i>Salvelinus sp.</i>	N	13-Sep-10	25	121	25	1.41	25	Y	net	N	-	-

Notes:

1-DBA = detailed biological assessment

2-Combination of field weights and estimates based on the growth curve substituting for the "unreliable" field weights.

xxx Weights deemed "reliable" and used to determine acceptable K range; used in K and weight summary statistics

xxx Weights deemed acceptable (within K range); used in K and weight summary statistics

xxx Weights deemed "reliable" and used to determine acceptable K range, but outside the range of acceptable K range; used in K and weight summary statistics

xxx Weights deemed "unreliable", which were outside the acceptable K range, not used in K or weight summary statistics

Species: ARCH = Arctic Char; LKTR = Lake Trout; RNWH = Round Whitefish; BURB = Burbot; NSST = Ninespine Stickleback

UN = unknown, nd = no data

Appendix 5.2. Reproductive characteristics of all fish captured during the fish-out of the Bay-Goose Basin, 2010.

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
001a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
002a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
002a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
002a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
002a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
002b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
002b_5	ARCH	N	UN	UN	UN	-	-	-	-	-
002b_6	ARCH	N	UN	UN	UN	-	-	-	-	-
002c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
002c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
002c_3	ARCH	N	UN	UN	UN	-	-	-	-	-
003a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
003b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
003c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
003c_4	ARCH	N	UN	UN	UN	-	-	-	-	-
003c_5	ARCH	N	UN	UN	UN	-	-	-	-	-
005a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
005a_6	ARCH	Y	F	RI	MA	167.5	8.59	0.045	4.5	3722
007a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
007a_2	ARCH	Y	M	UD	IM	-	-	-	-	-
007a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
007a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
007a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
008a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
008a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
008c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
008c_2	ARCH	N	UN	UD	IM	-	-	-	-	-
009a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
009b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
009b_5	ARCH	N	UN	UN	UN	-	-	-	-	-
010b_3	ARCH	Y	UN	UN	UN	-	-	-	-	-
010b_4	ARCH	N	UN	UD	IM	-	-	-	-	-
012b_2	ARCH	Y	F	UN	UN	-	-	-	-	-
012c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
013c_3	ARCH	N	UN	UD	IM	-	-	-	-	-
015b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
016a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
016a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
016d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
017a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
017b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
017c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
018b_3	ARCH	Y	UN	UN	UN	-	-	-	-	-
018b_4	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
019b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
019b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
020a_1	ARCH	Y	UN	UN	UN	-	-	-	-	-
020b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
021a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
021a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
021a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
021a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
021a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
021c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
021c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
022b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
022c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
023d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
024a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
024a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
024b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
024d_2	ARCH	N	UN	UN	UN	-	-	-	-	-
024d_3	ARCH	N	UN	UN	UN	-	-	-	-	-
024d_4	ARCH	N	UN	UN	UN	-	-	-	-	-
024d_5	ARCH	N	UN	UN	UN	-	-	-	-	-
025c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
027b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
028a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
028a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
028a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
028b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
028b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
028c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
029a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
029c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
030a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
030a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
031a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
031b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
031b_6	ARCH	N	UN	UN	UN	-	-	-	-	-
032b_1	ARCH	Y	F	UD	IM	-	-	-	-	-
033b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
033c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
034a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
034a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
034a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
034a_4	ARCH	Y	M	UD	IM	-	-	-	-	-
034b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
035b_5	ARCH	N	UN	UN	UN	-	-	-	-	-
035b_6	ARCH	N	UN	UN	UN	-	-	-	-	-
035b_7	ARCH	N	UN	UN	UN	-	-	-	-	-
036a_1	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
036c_2	ARCH	Y	F	UN	UN	-	-	-	-	-
036c_3	ARCH	N	UN	UN	UN	-	-	-	-	-
037b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
038c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
039a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
039b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
039b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
039b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
039c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
039c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
043a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
043b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
043c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
043c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
043c_3	ARCH	N	UN	UN	UN	-	-	-	-	-
043c_5	ARCH	N	UN	UN	UN	-	-	-	-	-
044b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
044b_2	ARCH	Y	UN	UD	IM	-	-	-	-	-
044b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
045c_1	ARCH	N	M	UD	IM	-	-	-	-	-
045c_8	ARCH	N	M	UD	IM	-	-	-	-	-
045c_9	ARCH	N	M	UD	IM	-	-	-	-	-
045c_10	ARCH	N	UN	UN	UN	-	-	-	-	-
046b_3	ARCH	Y	M	UD	IM	-	-	-	-	-
046b_4	ARCH	Y	F	UD	IM	-	-	-	-	-
046b_5	ARCH	Y	M	UD	IM	-	-	-	-	-
046c_3	ARCH	N	F	UD	IM	-	-	-	-	-
046c_8	ARCH	N	UN	UD	IM	-	-	-	-	-
046c_9	ARCH	N	M	RI	MA	-	-	-	-	-
048a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
048a_9	ARCH	Y	F	UD	IM	-	-	-	-	-
048a_13	ARCH	Y	F	UD	IM	-	-	-	-	-
048a_14	ARCH	Y	M	UD	IM	-	-	-	-	-
048a_15	ARCH	Y	M	UD	IM	-	-	-	-	-
048a_16	ARCH	Y	M	UD	IM	-	-	-	-	-
048a_18	ARCH	N	UN	UN	UN	-	-	-	-	-
048a_19	ARCH	Y	M	UD	IM	-	-	-	-	-
048a_20	ARCH	N	UN	UN	UN	-	-	-	-	-
048a_21	ARCH	N	UN	UN	UN	-	-	-	-	-
048a_23	ARCH	N	UN	UN	UN	-	-	-	-	-
048a_24	ARCH	N	UN	UN	UN	-	-	-	-	-
048a_25	ARCH	N	UN	UN	UN	-	-	-	-	-
048a_28	ARCH	Y	M	RI	MA	-	-	-	-	-
048a_29	ARCH	Y	M	RI	MA	-	-	-	-	-
049a_4	ARCH	N	M	RI	MA	-	-	-	-	-
049a_5	ARCH	N	M	RI	MA	-	-	-	-	-
049a_7	ARCH	N	UN	UD	IM	-	-	-	-	-
049a_8	ARCH	N	UN	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
049a_9	ARCH	N	UN	UD	IM	-	-	-	-	-
049a_14	ARCH	N	UN	UN	UN	-	-	-	-	-
049a_16	ARCH	N	UN	UN	UN	-	-	-	-	-
049a_17	ARCH	N	UN	UN	UN	-	-	-	-	-
049a_20	ARCH	N	F	RI	MA	7.45	*	0.053	5.27	141
050a_2	ARCH	N	UN	UD	IM	-	-	-	-	-
050a_3	ARCH	N	UN	UD	IM	-	-	-	-	-
050a_7	ARCH	N	UN	UN	UN	-	-	-	-	-
050a_8	ARCH	N	UN	UN	UN	-	-	-	-	-
051a_5	ARCH	N	M	RI	MA	-	-	-	-	-
051a_8	ARCH	N	M	UD	IM	-	-	-	-	-
051a_9	ARCH	N	M	RI	MA	-	-	-	-	-
051a_10	ARCH	N	M	UD	IM	-	-	-	-	-
051a_11	ARCH	N	F	UD	IM	-	-	-	-	-
051a_12	ARCH	N	M	UD	IM	-	-	-	-	-
051a_17	ARCH	N	M	UD	IM	-	-	-	-	-
051a_18	ARCH	N	F	UD	IM	-	-	-	-	-
051a_19	ARCH	N	M	UD	IM	-	-	-	-	-
052a_8	ARCH	N	F	UD	IM	-	-	-	-	-
052a_17	ARCH	Y	UN	UD	IM	-	-	-	-	-
052a_18	ARCH	N	F	UD	IM	-	-	-	-	-
052a_19	ARCH	N	M	UD	IM	-	-	-	-	-
052a_20	ARCH	N	M	UD	IM	-	-	-	-	-
052a_21	ARCH	N	M	UD	IM	-	-	-	-	-
055a_2	ARCH	N	F	UD	IM	-	-	-	-	-
055a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
055a_8	ARCH	N	M	UD	IM	-	-	-	-	-
055a_11	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_7	ARCH	N	F	UD	IM	-	-	-	-	-
056a_8	ARCH	N	F	UD	IM	-	-	-	-	-
056a_9	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_12	ARCH	N	F	UD	IM	-	-	-	-	-
056a_13	ARCH	N	F	UD	IM	-	-	-	-	-
056a_14	ARCH	N	F	UD	IM	-	-	-	-	-
056a_16	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_18	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_19	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_20	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_21	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_24	ARCH	N	UN	UN	UN	-	-	-	-	-
056a_25	ARCH	N	M	UD	IM	-	-	-	-	-
056a_27	ARCH	N	M	RI	MA	-	-	-	-	-
056a_28	ARCH	N	M	RI	MA	-	-	-	-	-
056a_29	ARCH	N	F	RE	MA	-	-	-	-	-
058a_1	ARCH	N	M	UD	IM	-	-	-	-	-
059a_2	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
059a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
060a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
062a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
062a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
062a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
062a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
062a_7	ARCH	N	M	RI	MA	-	-	-	-	-
062a_11	ARCH	N	M	RI	MA	-	-	-	-	-
062a_16	ARCH	N	F	UD	IM	-	-	-	-	-
062a_19	ARCH	N	UN	UN	UN	-	-	-	-	-
065b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
065b_5	ARCH	N	UN	UN	UN	-	-	-	-	-
065c_3	ARCH	N	UN	UN	UN	-	-	-	-	-
065c_4	ARCH	N	UN	UN	UN	-	-	-	-	-
066a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
066a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
066a_4	ARCH	N	F	UD	IM	-	-	-	-	-
066a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
066b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
066b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
066c_2	ARCH	N	F	RI	MA	-	-	-	-	-
066c_6	ARCH	N	UN	UN	UN	-	-	-	-	-
066c_9	ARCH	N	UN	UN	UN	-	-	-	-	-
066c_10	ARCH	N	UN	UN	UN	-	-	-	-	-
066c_12	ARCH	N	UN	UN	UN	-	-	-	-	-
066c_13	ARCH	N	F	UD	IM	-	-	-	-	-
066c_15	ARCH	N	UN	UN	UN	-	-	-	-	-
066c_16	ARCH	N	UN	UN	UN	-	-	-	-	-
066c_17	ARCH	N	UN	UN	UN	-	-	-	-	-
066c_19	ARCH	N	UN	UN	UN	-	-	-	-	-
066c_20	ARCH	N	F	UD	IM	-	-	-	-	-
066c_22	ARCH	N	UN	UN	UN	-	-	-	-	-
066d_3	ARCH	N	UN	UN	UN	-	-	-	-	-
066d_5	ARCH	N	UN	UN	UN	-	-	-	-	-
069a_1	ARCH	N	M	UD	IM	-	-	-	-	-
070a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
070a_7	ARCH	N	UN	UN	UN	-	-	-	-	-
071a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
071a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
071a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
071a_4	ARCH	N	F	UD	IM	-	-	-	-	-
072b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
072b_2	ARCH	N	F	RE	MA	-	-	-	-	-
072b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
072b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
073b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
073b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
074a_1	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
074b_3	ARCH	N	F	UD	IM	-	-	-	-	-
075b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
076b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
077a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
077a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
077a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
077b_8	ARCH	N	UN	UN	UN	-	-	-	-	-
077b_9	ARCH	N	UN	UN	UN	-	-	-	-	-
077b_11	ARCH	N	M	RI	MA	-	-	-	-	-
078a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
078a_7	ARCH	N	UN	UN	UN	-	-	-	-	-
078a_8	ARCH	N	UN	UN	UN	-	-	-	-	-
078a_9	ARCH	N	UN	UN	UN	-	-	-	-	-
078a_10	ARCH	N	UN	UN	UN	-	-	-	-	-
079a_5	ARCH	N	F	UD	IM	-	-	-	-	-
080a_1	ARCH	N	F	UD	IM	-	-	-	-	-
080a_2	ARCH	N	F	UD	IM	-	-	-	-	-
081a_4	ARCH	N	F	UD	IM	-	-	-	-	-
081a_11	ARCH	N	UN	UN	UN	-	-	-	-	-
081a_14	ARCH	N	M	UD	IM	-	-	-	-	-
081a_18	ARCH	N	F	UD	IM	-	-	-	-	-
081a_19	ARCH	N	F	RI	MA	-	-	-	-	-
082a_1	ARCH	N	M	UD	IM	-	-	-	-	-
082a_4	ARCH	N	F	UD	IM	-	-	-	-	-
082a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
082a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
082a_7	ARCH	N	UN	UN	UN	-	-	-	-	-
082a_8	ARCH	N	UN	UN	UN	-	-	-	-	-
082a_9	ARCH	N	UN	UN	UN	-	-	-	-	-
082a_10	ARCH	N	UN	UN	UN	-	-	-	-	-
083a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
083a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
083a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
083a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
086a_1	ARCH	N	M	RI	MA	-	-	-	-	-
086a_2	ARCH	N	F	UD	IM	-	-	-	-	-
086a_4	ARCH	N	F	UD	IM	-	-	-	-	-
086a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
086a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
087a_1	ARCH	N	F	RI	MA	-	-	-	-	-
087a_2	ARCH	N	M	UD	IM	-	-	-	-	-
087a_4	ARCH	N	F	RI	MA	-	-	-	-	-
087a_5	ARCH	N	M	UD	IM	-	-	-	-	-
088a_7	ARCH	N	M	RI	MA	-	-	-	-	-
088a_8	ARCH	N	F	UD	IM	-	-	-	-	-
089a_2	ARCH	N	M	UD	IM	-	-	-	-	-
089a_4	ARCH	N	M	UD	IM	-	-	-	-	-
089a_5	ARCH	N	M	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
090a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
091a_3	ARCH	N	M	RI	MA	-	-	-	-	-
091a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
091a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
091a_9	ARCH	N	F	UD	IM	-	-	-	-	-
092a_1	ARCH	N	F	UD	IM	-	-	-	-	-
092a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
092a_3	ARCH	N	F	UD	IM	-	-	-	-	-
092a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
092a_5	ARCH	N	UN	UD	IM	-	-	-	-	-
092a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
092a_7	ARCH	N	F	RI	MA	-	-	-	-	-
092a_9	ARCH	N	M	RI	MA	-	-	-	-	-
094a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
094a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
095a_2	ARCH	N	F	RI	MA	-	-	-	-	-
095a_3	ARCH	N	F	UD	IM	-	-	-	-	-
095a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
095a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
095a_9	ARCH	N	UN	UN	UN	-	-	-	-	-
095a_10	ARCH	N	UN	UN	UN	-	-	-	-	-
095a_11	ARCH	N	UN	UN	UN	-	-	-	-	-
095a_13	ARCH	N	F	UN	UN	-	-	-	-	-
095a_16	ARCH	N	UN	UN	UN	-	-	-	-	-
095a_17	ARCH	N	UN	UN	UN	-	-	-	-	-
096a_3	ARCH	N	F	UD	IM	-	-	-	-	-
096a_4	ARCH	N	M	UD	IM	-	-	-	-	-
096a_5	ARCH	N	F	UD	IM	-	-	-	-	-
096a_8	ARCH	N	M	RI	MA	-	-	-	-	-
096a_9	ARCH	N	UN	UD	IM	-	-	-	-	-
096a_10	ARCH	N	M	RI	MA	-	-	-	-	-
096a_12	ARCH	N	F	RI	MA	-	-	-	-	-
096a_13	ARCH	N	M	RI	MA	-	-	-	-	-
096a_15	ARCH	N	M	UD	IM	-	-	-	-	-
097a_7	ARCH	N	M	RI	MA	-	-	-	-	-
097a_8	ARCH	N	M	RI	MA	-	-	-	-	-
100a_2	ARCH	N	F	UD	IM	-	-	-	-	-
100a_3	ARCH	N	F	RI	MA	-	-	-	-	-
101a_5	ARCH	N	M	UD	IM	-	-	-	-	-
101a_6	ARCH	N	M	UD	IM	-	-	-	-	-
101a_7	ARCH	N	M	UD	IM	-	-	-	-	-
102a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
102a_2	ARCH	N	F	UD	IM	-	-	-	-	-
102a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
102a_5	ARCH	N	M	RI	MA	-	-	-	-	-
102a_6	ARCH	N	M	RI	MA	-	-	-	-	-
105a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
105a_2	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
105a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
105a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
105a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
106a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
107a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
108a_4	ARCH	N	M	UD	IM	-	-	-	-	-
108a_7	ARCH	N	F	UD	IM	-	-	-	-	-
108a_9	ARCH	N	F	RE	MA	-	-	-	-	-
108a_10	ARCH	N	M	UD	IM	-	-	-	-	-
108a_12	ARCH	N	UN	UN	UN	-	-	-	-	-
108a_15	ARCH	N	M	RI	MA	-	-	-	-	-
108b_3	ARCH	N	F	RI	MA	-	-	-	-	-
109a_1	ARCH	N	M	UD	IM	-	-	-	-	-
110a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
110a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
110b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
112a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
116a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
116a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
117a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
117a_6	ARCH	N	M	RI	MA	-	-	-	-	-
120a_1	ARCH	N	M	UD	IM	-	-	-	-	-
120a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
120a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
123a_1	ARCH	N	M	UD	IM	-	-	-	-	-
124a_1	ARCH	N	M	UD	IM	-	-	-	-	-
126a_8	ARCH	N	UN	UN	UN	-	-	-	-	-
126a_9	ARCH	N	UN	UN	UN	-	-	-	-	-
126a_10	ARCH	N	M	UD	IM	-	-	-	-	-
128a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
128a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
128a_4	ARCH	N	M	UD	IM	-	-	-	-	-
128a_5	ARCH	N	M	UD	IM	-	-	-	-	-
132a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
132a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
132a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
132a_6	ARCH	N	M	UD	IM	-	-	-	-	-
134a_2	ARCH	Y	M	RI	MA	-	-	-	-	-
134a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
134a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
134a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
135a_1	ARCH	N	M	UD	IM	-	-	-	-	-
135a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
136a_1	ARCH	N	F	RE	MA	-	-	-	-	-
136a_2	ARCH	N	M	RI	MA	-	-	-	-	-
136a_4	ARCH	Y	M	RI	MA	-	-	-	-	-
138a_3	ARCH	N	F	UD	IM	-	-	-	-	-
138a_5	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
139a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
139a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
141a_1	ARCH	N	F	UD	IM	-	-	-	-	-
143a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
143a_3	ARCH	N	F	UD	IM	-	-	-	-	-
143a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
145a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
146a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
146a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
146a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
146a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
146a_6	ARCH	Y	F	RI	MA	7.44	*	0.051	5.05	147
148a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
148a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
149a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
150a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
150a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
150a_7	ARCH	N	UN	UN	UN	-	-	-	-	-
151a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
151a_2	ARCH	N	F	UD	IM	-	-	-	-	-
151a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
151a_4	ARCH	N	M	UD	IM	-	-	-	-	-
151a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
152a_1	ARCH	N	M	UD	IM	-	-	-	-	-
154a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
154a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
159a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
161b_4	ARCH	N	M	UD	IM	-	-	-	-	-
161b_5	ARCH	N	F	RI	MA	-	-	-	-	-
161b_6	ARCH	N	UN	UN	UN	-	-	-	-	-
161b_8	ARCH	N	UN	UN	UN	-	-	-	-	-
161d_1	ARCH	N	M	UD	IM	-	-	-	-	-
161d_2	ARCH	N	UN	UD	IM	-	-	-	-	-
162c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
162c_2	ARCH	N	M	UD	IM	-	-	-	-	-
162c_3	ARCH	N	F	RI	MA	-	-	-	-	-
162d_1	ARCH	N	F	UD	IM	-	-	-	-	-
162e_1	ARCH	N	UN	UN	UN	-	-	-	-	-
162e_2	ARCH	N	UN	UN	UN	-	-	-	-	-
162f_1	ARCH	N	UN	UN	UN	-	-	-	-	-
162f_3	ARCH	N	UN	UN	UN	-	-	-	-	-
164a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
164b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
164c_9	ARCH	N	F	UD	IM	-	-	-	-	-
164c_10	ARCH	N	UN	UN	UN	-	-	-	-	-
164c_11	ARCH	N	UN	UN	UN	-	-	-	-	-
164c_12	ARCH	N	UN	UN	UN	-	-	-	-	-
164c_13	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
164c_14	ARCH	N	UN	UN	UN	-	-	-	-	-
164c_15	ARCH	N	F	UD	IM	-	-	-	-	-
164c_16	ARCH	N	UN	UN	UN	-	-	-	-	-
164d_2	ARCH	N	F	UD	IM	-	-	-	-	-
164d_6	ARCH	N	UN	UN	UN	-	-	-	-	-
164d_8	ARCH	N	F	UD	IM	-	-	-	-	-
164e_2	ARCH	Y	F	UD	IM	-	-	-	-	-
164f_2	ARCH	N	UN	UN	UN	-	-	-	-	-
164f_3	ARCH	N	UN	UN	UN	-	-	-	-	-
164h_5	ARCH	N	UN	UN	UN	-	-	-	-	-
164i_3	ARCH	N	UN	UN	UN	-	-	-	-	-
164i_5	ARCH	N	UN	UN	UN	-	-	-	-	-
164i_6	ARCH	N	UN	UN	UN	-	-	-	-	-
164i_9	ARCH	N	F	UD	IM	-	-	-	-	-
164j_1	ARCH	N	UN	UN	UN	-	-	-	-	-
164j_2	ARCH	N	F	UD	IM	-	-	-	-	-
164k_1	ARCH	N	UN	UN	UN	-	-	-	-	-
164l_2	ARCH	N	UN	UN	UN	-	-	-	-	-
164m_1	ARCH	N	UN	UN	UN	-	-	-	-	-
164m_2	ARCH	N	F	UD	IM	-	-	-	-	-
164m_6	ARCH	N	UN	UN	UN	-	-	-	-	-
164m_10	ARCH	N	UN	UN	UN	-	-	-	-	-
164m_11	ARCH	N	UN	UN	UN	-	-	-	-	-
164m_12	ARCH	N	UN	UN	UN	-	-	-	-	-
166a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
166a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
167a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
170a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
170a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
171a_1	ARCH	Y	F	RI	MA	4.09	16.36	0.057	72 eggs	72
172a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
172a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
172a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
172a_5	ARCH	N	F	UD	IM	-	-	-	-	-
172a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
172a_7	ARCH	N	UN	UN	UN	-	-	-	-	-
174b_1	ARCH	N	F	UD	IM	-	-	-	-	-
174b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
174c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
174c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
174c_3	ARCH	N	UN	UN	UN	-	-	-	-	-
174c_4	ARCH	N	UN	UN	UN	-	-	-	-	-
176a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
177b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
177d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
178a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
179a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
179a_2	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
179b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
179c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
179c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
179c_6	ARCH	N	UN	UN	UN	-	-	-	-	-
179c_7	ARCH	N	UN	UN	UN	-	-	-	-	-
179c_8	ARCH	N	UN	UN	UN	-	-	-	-	-
180c_1	ARCH	N	F	SP	MA	-	-	-	-	-
180d_5	ARCH	N	UN	UN	UN	-	-	-	-	-
182h_1	ARCH	N	UN	UN	UN	-	-	-	-	-
183b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
183e_1	ARCH	N	UN	UN	UN	-	-	-	-	-
183f_2	ARCH	N	M	RI	MA	-	-	-	-	-
183f_3	ARCH	N	UN	UN	UN	-	-	-	-	-
184a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
184a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
184a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
185b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
185b_3	ARCH	Y	F	UD	IM	-	-	-	-	-
185d_1	ARCH	N	F	RE	MA	-	-	-	-	-
185d_2	ARCH	N	UN	UN	UN	-	-	-	-	-
185g_2	ARCH	N	UN	UN	UN	-	-	-	-	-
185j_1	ARCH	N	UN	UN	UN	-	-	-	-	-
186h_1	ARCH	N	UN	UN	UN	-	-	-	-	-
186i_1	ARCH	N	UN	UN	UN	-	-	-	-	-
186o_1	ARCH	N	UN	UN	UN	-	-	-	-	-
186o_2	ARCH	N	UN	UN	UN	-	-	-	-	-
186o_3	ARCH	N	UN	UN	UN	-	-	-	-	-
187i_1	ARCH	N	UN	UN	UN	-	-	-	-	-
190a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
190a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
190a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
190a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
190a_8	ARCH	N	UN	UN	UN	-	-	-	-	-
190a_9	ARCH	N	UN	UN	UN	-	-	-	-	-
190a_10	ARCH	N	UN	UN	UN	-	-	-	-	-
190a_11	ARCH	N	F	UD	IM	-	-	-	-	-
190b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
190b_2	ARCH	N	M	UD	IM	-	-	-	-	-
190b_3	ARCH	N	M	UD	IM	-	-	-	-	-
190b_4	ARCH	N	F	UD	IM	-	-	-	-	-
190b_5	ARCH	N	UN	UD	IM	-	-	-	-	-
190b_6	ARCH	N	F	UD	IM	-	-	-	-	-
190c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
190c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
190c_3	ARCH	N	UN	UN	UN	-	-	-	-	-
190c_4	ARCH	N	UN	UN	UN	-	-	-	-	-
190c_5	ARCH	N	UN	UN	UN	-	-	-	-	-
190c_6	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
190c_7	ARCH	Y	M	RU	MA	-	-	-	-	-
190c_8	ARCH	N	M	UD	IM	-	-	-	-	-
190c_9	ARCH	N	UN	UN	UN	-	-	-	-	-
190c_11	ARCH	N	UN	UN	UN	-	-	-	-	-
190c_12	ARCH	N	UN	UN	UN	-	-	-	-	-
190c_13	ARCH	N	F	UD	IM	-	-	-	-	-
190d_4	ARCH	N	M	RI	MA	-	-	-	-	-
190d_5	ARCH	N	UN	UN	UN	-	-	-	-	-
190d_6	ARCH	N	UN	UN	UN	-	-	-	-	-
190d_7	ARCH	N	UN	UN	UN	-	-	-	-	-
190d_8	ARCH	N	UN	UN	UN	-	-	-	-	-
190d_9	ARCH	N	UN	UN	UN	-	-	-	-	-
190d_10	ARCH	N	UN	UN	UN	-	-	-	-	-
190d_11	ARCH	N	UN	UN	UN	-	-	-	-	-
190d_12	ARCH	N	M	RI	MA	-	-	-	-	-
190d_13	ARCH	N	UN	UN	UN	-	-	-	-	-
190d_14	ARCH	N	M	UD	IM	-	-	-	-	-
190e_2	ARCH	N	M	UD	IM	-	-	-	-	-
190e_3	ARCH	N	UN	UN	UN	-	-	-	-	-
190e_4	ARCH	N	UN	UN	UN	-	-	-	-	-
190e_5	ARCH	N	UN	UN	UN	-	-	-	-	-
190e_6	ARCH	N	M	RI	MA	-	-	-	-	-
190e_7	ARCH	N	M	RI	MA	-	-	-	-	-
190e_8	ARCH	N	F	UD	IM	-	-	-	-	-
191a_1	ARCH	N	F	UD	IM	-	-	-	-	-
191a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
191b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
191c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
191d_3	ARCH	N	UN	UN	UN	-	-	-	-	-
191d_4	ARCH	N	UN	UN	UN	-	-	-	-	-
192a_1	ARCH	Y	M	SP	MA	-	-	-	-	-
192a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
192a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
192a_5	ARCH	N	F	UD	IM	-	-	-	-	-
192a_6	ARCH	N	UN	UN	UN	-	-	-	-	-
192a_7	ARCH	N	UN	UN	UN	-	-	-	-	-
192a_8	ARCH	N	UN	UN	UN	-	-	-	-	-
192b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
192b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
192b_5	ARCH	N	M	SP	MA	-	-	-	-	-
192b_7	ARCH	N	UN	UN	UN	-	-	-	-	-
192b_8	ARCH	N	F	UD	IM	-	-	-	-	-
192b_10	ARCH	N	M	UD	IM	-	-	-	-	-
192c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
192c_4	ARCH	N	UN	UN	UN	-	-	-	-	-
192c_5	ARCH	N	M	UD	IM	-	-	-	-	-
192c_8	ARCH	Y	F	RE	MA	-	-	-	-	-
192c_9	ARCH	Y	F	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
192d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
193a_1	ARCH	N	M	UD	IM	-	-	-	-	-
193a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
193a_3	ARCH	N	UN	UD	IM	-	-	-	-	-
193a_4	ARCH	N	F	UD	IM	-	-	-	-	-
193a_5	ARCH	N	M	UD	IM	-	-	-	-	-
193b_20	ARCH	N	UN	UN	UN	-	-	-	-	-
193b_21	ARCH	N	UN	UN	UN	-	-	-	-	-
193b_22	ARCH	N	UN	UN	UN	-	-	-	-	-
193b_23	ARCH	N	UN	UN	UN	-	-	-	-	-
193c_10	ARCH	N	UN	UN	UN	-	-	-	-	-
193c_11	ARCH	N	UN	UN	UN	-	-	-	-	-
193c_13	ARCH	N	F	UD	IM	-	-	-	-	-
193c_16	ARCH	N	UN	UN	UN	-	-	-	-	-
193c_18	ARCH	N	UN	UD	IM	-	-	-	-	-
193c_19	ARCH	N	UN	UN	UN	-	-	-	-	-
193c_2	ARCH	N	F	UD	IM	-	-	-	-	-
193c_4	ARCH	Y	UN	UN	UN	-	-	-	-	-
193c_5	ARCH	Y	M	RU	MA	-	-	-	-	-
193c_7	ARCH	N	M	UD	IM	-	-	-	-	-
193d_3	ARCH	N	UN	UN	UN	-	-	-	-	-
193d_5	ARCH	N	UN	UN	UN	-	-	-	-	-
193f_11	ARCH	N	M	UD	IM	-	-	-	-	-
194a_3	ARCH	N	F	UD	IM	-	-	-	-	-
194b_3	ARCH	N	F	UD	IM	-	-	-	-	-
194b_8	ARCH	N	UN	UN	UN	-	-	-	-	-
194c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
194d_2	ARCH	N	UN	UN	UN	-	-	-	-	-
194e_1	ARCH	N	M	UD	IM	-	-	-	-	-
194e_2	ARCH	N	F	UD	IM	-	-	-	-	-
194e_3	ARCH	N	F	UD	IM	-	-	-	-	-
194f_1	ARCH	N	UN	UN	UN	-	-	-	-	-
194f_2	ARCH	N	UN	UN	UN	-	-	-	-	-
194f_6	ARCH	N	UN	UN	UN	-	-	-	-	-
194f_12	ARCH	Y	M	UD	IM	-	-	-	-	-
196a_1	ARCH	N	F	UD	IM	-	-	-	-	-
196a_2	ARCH	N	F	UD	IM	-	-	-	-	-
196d_4	ARCH	N	UN	UN	UN	-	-	-	-	-
196d_5	ARCH	N	UN	UN	UN	-	-	-	-	-
196d_6	ARCH	N	UN	UN	UN	-	-	-	-	-
196d_7	ARCH	N	UN	UN	UN	-	-	-	-	-
198a_2	ARCH	N	M	UD	IM	-	-	-	-	-
198a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
198a_4	ARCH	N	F	UD	IM	-	-	-	-	-
198d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
198d_2	ARCH	N	M	UD	IM	-	-	-	-	-
198d_4	ARCH	N	UN	UN	UN	-	-	-	-	-
198f_1	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
198m_2	ARCH	N	UN	UN	UN	-	-	-	-	-
199b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
200a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
200a_2	ARCH	N	F	UD	IM	-	-	-	-	-
200a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
200a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
200b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
200b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
200b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
200c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
200c_3	ARCH	N	F	RI	MA	-	-	-	-	-
200d_3	ARCH	Y	UN	UN	UN	-	-	-	-	-
200d_4	ARCH	N	UN	UN	UN	-	-	-	-	-
200d_5	ARCH	N	UN	UN	UN	-	-	-	-	-
200e_1	ARCH	N	M	RI	MA	-	-	-	-	-
200e_2	ARCH	N	UN	UN	UN	-	-	-	-	-
200f_1	ARCH	N	UN	UN	UN	-	-	-	-	-
200g_1	ARCH	N	UN	UN	UN	-	-	-	-	-
200g_2	ARCH	Y	M	RI	MA	-	-	-	-	-
200i_1	ARCH	N	UN	UN	UN	-	-	-	-	-
200i_2	ARCH	N	UN	UN	UN	-	-	-	-	-
200l_1	ARCH	N	UN	UN	UN	-	-	-	-	-
200m_1	ARCH	N	UN	UN	UN	-	-	-	-	-
200n_1	ARCH	N	F	UD	IM	-	-	-	-	-
201a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
201a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
201a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
201a_5	ARCH	N	F	UD	IM	-	-	-	-	-
201b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
201b_4	ARCH	N	UN	UN	UN	-	-	-	-	-
201b_5	ARCH	N	UN	UN	UN	-	-	-	-	-
201b_6	ARCH	N	UN	UN	UN	-	-	-	-	-
201c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
201d_1	ARCH	Y	M	RI	MA	-	-	-	-	-
201g_1	ARCH	N	UN	UN	UN	-	-	-	-	-
201g_3	ARCH	N	UN	UN	UN	-	-	-	-	-
203a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
203a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
203a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
203b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
203b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
203c_2	ARCH	Y	M	UD	IM	-	-	-	-	-
203c_4	ARCH	N	UN	UN	UN	-	-	-	-	-
203d_5	ARCH	N	UN	UN	UN	-	-	-	-	-
204c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
205a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
205a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
205a_3	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
205a_4	ARCH	N	UN	UN	UN	-	-	-	-	-
205a_5	ARCH	N	UN	UN	UN	-	-	-	-	-
205a_6	ARCH	Y	M	UD	IM	-	-	-	-	-
205b_4	ARCH	N	F	RU	MA	-	-	-	-	-
205c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
205e_2	ARCH	Y	M	UD	IM	-	-	-	-	-
205f_1	ARCH	N	UN	UN	UN	-	-	-	-	-
205f_2	ARCH	N	UN	UN	UN	-	-	-	-	-
205j_2	ARCH	N	F	UD	IM	-	-	-	-	-
205k_1	ARCH	N	M	RI	MA	-	-	-	-	-
205l_3	ARCH	N	UN	UN	UN	-	-	-	-	-
205l_5	ARCH	N	F	UD	IM	-	-	-	-	-
205m_1	ARCH	N	UN	UN	UN	-	-	-	-	-
205n_1	ARCH	N	F	UD	IM	-	-	-	-	-
205r_1	ARCH	N	UN	UD	IM	-	-	-	-	-
206a_18	ARCH	N	UN	UN	UN	-	-	-	-	-
206a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
206a_7	ARCH	N	UN	UN	UN	-	-	-	-	-
206a_9	ARCH	N	UN	UD	IM	-	-	-	-	-
206d_4	ARCH	N	UN	UN	UN	-	-	-	-	-
206h_7	ARCH	N	F	UD	IM	-	-	-	-	-
206h_11	ARCH	N	F	UD	IM	-	-	-	-	-
206i_3	ARCH	N	UN	UN	UN	-	-	-	-	-
206i_4	ARCH	N	UN	UN	UN	-	-	-	-	-
206i_8	ARCH	N	UN	UN	UN	-	-	-	-	-
206j_2	ARCH	N	UN	UN	UN	-	-	-	-	-
206k_1	ARCH	N	UN	UN	UN	-	-	-	-	-
206l_1	ARCH	N	UN	UN	UN	-	-	-	-	-
206o_1	ARCH	N	UN	UN	UN	-	-	-	-	-
206q_1	ARCH	N	F	UD	IM	-	-	-	-	-
207a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
207a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
207a_4	ARCH	N	F	RI	MA	-	-	-	-	-
207b_2	ARCH	N	UN	UN	UN	-	-	-	-	-
207b_3	ARCH	N	UN	UN	UN	-	-	-	-	-
207b_5	ARCH	N	UN	UN	UN	-	-	-	-	-
207b_6	ARCH	Y	M	UD	IM	-	-	-	-	-
207b_8	ARCH	N	UN	UN	UN	-	-	-	-	-
207b_10	ARCH	N	UN	UN	UN	-	-	-	-	-
207b_11	ARCH	N	M	RI	MA	-	-	-	-	-
207d_3	ARCH	N	UN	UN	UN	-	-	-	-	-
207f_1	ARCH	N	UN	UN	UN	-	-	-	-	-
209a_2	ARCH	Y	F	UD	IM	-	-	-	-	-
209a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
209d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
209f_2	ARCH	N	UN	UN	UN	-	-	-	-	-
209h_2	ARCH	N	UN	UN	UN	-	-	-	-	-
209k_1	ARCH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
209n_1	ARCH	N	UN	UN	UN	-	-	-	-	-
211a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
211a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
211a_3	ARCH	N	UN	UN	UN	-	-	-	-	-
211b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
211d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
211d_2	ARCH	Y	F	UD	IM	-	-	-	-	-
212a_1	ARCH	N	UN	UN	UN	-	-	-	-	-
212a_4	ARCH	Y	M	RI	MA	-	-	-	-	-
212b_1	ARCH	N	UN	UN	UN	-	-	-	-	-
212b_2	ARCH	Y	M	UD	IM	-	-	-	-	-
212c_1	ARCH	Y	M	RI	MA	-	-	-	-	-
212c_2	ARCH	Y	M	RI	MA	-	-	-	-	-
212d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
212e_1	ARCH	Y	M	UD	IM	-	-	-	-	-
214e_2	ARCH	N	M	UD	IM	-	-	-	-	-
214e_3	ARCH	N	M	UD	IM	-	-	-	-	-
214e_4	ARCH	N	UN	UN	UN	-	-	-	-	-
214f_1	ARCH	N	UN	UN	UN	-	-	-	-	-
214f_2	ARCH	N	UN	UN	UN	-	-	-	-	-
214f_3	ARCH	N	UN	UN	UN	-	-	-	-	-
214j_3	ARCH	N	UN	UN	UN	-	-	-	-	-
214j_4	ARCH	N	UN	UN	UN	-	-	-	-	-
214l_1	ARCH	N	UN	UN	UN	-	-	-	-	-
216b_1	ARCH	Y	F	UD	IM	-	-	-	-	-
216c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
216c_3	ARCH	N	F	UD	IM	-	-	-	-	-
216d_1	ARCH	N	F	UD	IM	-	-	-	-	-
216d_2	ARCH	N	F	RI	MA	-	-	-	-	-
216d_3	ARCH	N	UN	UN	UN	-	-	-	-	-
216e_1	ARCH	N	UN	UN	UN	-	-	-	-	-
216e_2	ARCH	N	UN	UN	UN	-	-	-	-	-
216i_1	ARCH	N	M	UD	IM	-	-	-	-	-
216l_1	ARCH	N	UN	UN	UN	-	-	-	-	-
217c_1	ARCH	N	F	RE	MA	-	-	-	-	-
220c_1	ARCH	N	UN	UN	UN	-	-	-	-	-
220g_1	ARCH	N	UN	UN	UN	-	-	-	-	-
220i_1	ARCH	N	M	UD	IM	-	-	-	-	-
220n_2	ARCH	N	UN	UN	UN	-	-	-	-	-
221b_2	ARCH	N	F	UD	IM	-	-	-	-	-
221c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
221d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
221d_2	ARCH	N	UN	UN	UN	-	-	-	-	-
222a_1	ARCH	N	F	UD	IM	-	-	-	-	-
222a_2	ARCH	N	UN	UD	IM	-	-	-	-	-
222c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
222d_3	ARCH	N	UN	UD	IM	-	-	-	-	-
223c_1	ARCH	N	F	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
224d_1	ARCH	N	UN	UN	UN	-	-	-	-	-
226c_1	ARCH	N	M	RE	MA	-	-	-	-	-
231a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
232a_2	ARCH	N	UN	UN	UN	-	-	-	-	-
232c_1	ARCH	N	F	UD	IM	-	-	-	-	-
232c_2	ARCH	N	UN	UN	UN	-	-	-	-	-
232c_3	ARCH	N	UN	UN	UN	-	-	-	-	-
232c_6	ARCH	N	UN	UN	UN	-	-	-	-	-
232c_7	ARCH	N	UN	UN	UN	-	-	-	-	-
001a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
001b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
002a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
002a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
002b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
002b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
003b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
003b_5	LKTR	N	UN	UN	UN	-	-	-	-	-
003c_6	LKTR	N	UN	UN	UN	-	-	-	-	-
004a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
004b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
005a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
005a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
005a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
005a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
007a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
008a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
008a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
008a_4	LKTR	N	UN	UD	IM	-	-	-	-	-
009a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
009a_4	LKTR	Y	UN	UD	IM	-	-	-	-	-
009a_6	LKTR	N	UN	UN	UN	-	-	-	-	-
009b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
009b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
009b_7	LKTR	N	UN	UN	UN	-	-	-	-	-
009b_8	LKTR	Y	M	UD	IM	-	-	-	-	-
009b_9	LKTR	Y	F	RI	MA	4.29	0.57	0.008	0.77	557
009c_5	LKTR	N	UN	UN	UN	-	-	-	-	-
009c_6	LKTR	N	UN	UN	UN	-	-	-	-	-
010b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
011a_1	LKTR	Y	F	UN	UN	-	-	-	-	-
011a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
011b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
011b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
011c_2	LKTR	N	UN	UN	UN	-	-	-	-	-
012b_3	LKTR	Y	M	UD	IM	-	-	-	-	-
012b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
013b_2	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
013b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
013c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
013c_4	LKTR	N	UN	UN	UN	-	-	-	-	-
013c_5	LKTR	N	UN	UN	UN	-	-	-	-	-
013c_7	LKTR	Y	F	RE	MA	4.7	-	-	-	-
014d_1	LKTR	N	UN	UN	UN	-	-	-	-	-
015a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
015a_3	LKTR	Y	UN	UN	UN	-	-	-	-	-
015b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
015c_1	LKTR	Y	F	UN	UN	-	-	-	-	-
016a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
016b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
017a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
017a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
017a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
018b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
019a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
019b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
019c_1	LKTR	Y	UN	UD	IM	-	-	-	-	-
019c_5	LKTR	N	UN	UN	UN	-	-	-	-	-
020a_3	LKTR	Y	F	UN	UN	-	-	-	-	-
020b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
021a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
021c_3	LKTR	N	UN	UN	UN	-	-	-	-	-
021c_4	LKTR	Y	M	RI	MA	-	-	-	-	-
023a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
023a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
023a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
024a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
024b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
024b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
024c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
024d_1	LKTR	N	UN	UN	UN	-	-	-	-	-
025a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
025b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
026a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
026b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
026c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
028a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
028a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
028a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
028b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
029a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
029b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
029b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
029b_3	LKTR	Y	UN	UD	IM	-	-	-	-	-
029c_2	LKTR	Y	UN	UD	IM	-	-	-	-	-
030a_3	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
030a_4	LKTR	Y	UN	UN	UN	-	-	-	-	-
030b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
030b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
031a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
031a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
031a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
031b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
031b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
031b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
031b_5	LKTR	N	UN	UN	UN	-	-	-	-	-
031c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
032b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
032c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
033a_1	LKTR	Y	UN	UN	UN	-	-	-	-	-
033a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
033a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
033a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
033b_1	LKTR	Y	UN	UD	IM	-	-	-	-	-
033b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
033c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
033c_3	LKTR	N	UN	UN	UN	-	-	-	-	-
034a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
034a_6	LKTR	Y	M	UD	IM	-	-	-	-	-
034a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
034b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
034b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
034b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
034b_5	LKTR	N	UN	UN	UN	-	-	-	-	-
035b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
035b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
036a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
036b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
036c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
037b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
037b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
037b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
037b_6	LKTR	N	UN	UN	UN	-	-	-	-	-
037b_7	LKTR	N	UN	UN	UN	-	-	-	-	-
038a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
038d_1	LKTR	N	UN	UN	UN	-	-	-	-	-
039a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
039a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
039b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
041a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
041c_2	LKTR	N	UN	UN	UN	-	-	-	-	-
042c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
043a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
043a_5	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
043a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
043c_4	LKTR	N	UN	UN	UN	-	-	-	-	-
044a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
044a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
044b_5	LKTR	N	UN	UN	UN	-	-	-	-	-
045b_1	LKTR	Y	UN	UN	UN	-	-	-	-	-
045c_2	LKTR	Y	F	RE	MA	-	-	-	-	-
046b_1	LKTR	Y	M	UD	IM	-	-	-	-	-
046b_2	LKTR	Y	M	UD	IM	-	-	-	-	-
046b_6	LKTR	Y	M	UD	IM	-	-	-	-	-
046c_2	LKTR	N	UN	UN	UN	-	-	-	-	-
046c_7	LKTR	Y	UN	UN	UN	-	-	-	-	-
048a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
048a_4	LKTR	Y	UN	UD	IM	-	-	-	-	-
048a_10	LKTR	N	UN	UN	UN	-	-	-	-	-
048a_11	LKTR	N	UN	UN	UN	-	-	-	-	-
048a_12	LKTR	N	UN	UN	UN	-	-	-	-	-
048a_17	LKTR	N	UN	UN	UN	-	-	-	-	-
048a_22	LKTR	N	UN	UN	UN	-	-	-	-	-
048a_26	LKTR	N	UN	UN	UN	-	-	-	-	-
048a_27	LKTR	Y	M	RI	MA	-	-	-	-	-
048a_30	LKTR	Y	M	RI	MA	-	-	-	-	-
049a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
049a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
049a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
049a_6	LKTR	N	UN	UD	IM	-	-	-	-	-
049a_10	LKTR	N	UN	UD	IM	-	-	-	-	-
049a_11	LKTR	N	UN	UN	UN	-	-	-	-	-
049a_13	LKTR	N	UN	UN	UN	-	-	-	-	-
049a_15	LKTR	Y	F	RI	MA	4.95	0.66	0.006	0.59	839
049a_18	LKTR	N	UN	UN	UN	-	-	-	-	-
049a_19	LKTR	N	UN	UN	UN	-	-	-	-	-
049a_22	LKTR	N	F	UD	IM	-	-	-	-	-
049a_23	LKTR	N	F	UD	IM	-	-	-	-	-
049a_25	LKTR	N	M	UD	IM	-	-	-	-	-
049a_30	LKTR	Y	F	RI	MA	15.73	1.26	0.006	0.61	2579
050a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
050a_10	LKTR	N	UN	UN	UN	-	-	-	-	-
050a_11	LKTR	N	UN	UN	UN	-	-	-	-	-
051a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
051a_7	LKTR	N	M	UD	IM	-	-	-	-	-
051a_15	LKTR	Y	F	UD	IM	-	-	-	-	-
052a_4	LKTR	N	F	UD	IM	-	-	-	-	-
052a_5	LKTR	N	UN	UD	IM	-	-	-	-	-
052a_7	LKTR	N	M	UD	IM	-	-	-	-	-
052a_15	LKTR	Y	UN	UD	IM	-	-	-	-	-
052a_16	LKTR	N	UN	UN	UN	-	-	-	-	-
052a_22	LKTR	N	F	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
052a_23	LKTR	Y	F	RI	MA	8.25	0.75	0.008	0.79	1044
052a_24	LKTR	Y	M	UN	UN	-	-	-	-	-
052a_25	LKTR	N	F	UN	UN	-	-	-	-	-
053a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
054a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
055a_3	LKTR	Y	M	SP	MA	-	-	-	-	-
055a_9	LKTR	Y	F	RE	MA	-	-	-	-	-
055a_12	LKTR	N	M	UD	IM	-	-	-	-	-
056a_4	LKTR	Y	M	SP	MA	-	-	-	-	-
056a_10	LKTR	N	UN	UN	UN	-	-	-	-	-
056a_11	LKTR	N	M	UD	IM	-	-	-	-	-
056a_23	LKTR	N	UN	UN	UN	-	-	-	-	-
056a_26	LKTR	N	UN	UD	IM	-	-	-	-	-
060a_2	LKTR	N	F	UD	IM	-	-	-	-	-
060a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
062a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
062a_8	LKTR	N	F	UD	IM	-	-	-	-	-
062a_12	LKTR	N	M	UD	IM	-	-	-	-	-
062a_13	LKTR	N	F	UD	IM	-	-	-	-	-
062a_17	LKTR	N	UN	UN	UN	-	-	-	-	-
062a_18	LKTR	N	UN	UN	UN	-	-	-	-	-
064a_3	LKTR	N	M	UD	IM	-	-	-	-	-
064a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
065a_1	LKTR	N	UN	UD	IM	-	-	-	-	-
065a_2	LKTR	N	F	UD	IM	-	-	-	-	-
065c_1	LKTR	Y	M	SP	MA	-	-	-	-	-
066a_6	LKTR	N	UN	UN	UN	-	-	-	-	-
066c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
066c_3	LKTR	Y	F	RI	MA	11	0.79	0.005	0.50	2200
066c_11	LKTR	N	UN	UN	UN	-	-	-	-	-
066c_14	LKTR	N	F	UD	IM	-	-	-	-	-
066c_18	LKTR	N	UN	UN	UN	-	-	-	-	-
066c_21	LKTR	N	M	UD	IM	-	-	-	-	-
066c_23	LKTR	N	UN	UN	UN	-	-	-	-	-
066d_4	LKTR	N	UN	UN	UN	-	-	-	-	-
066d_6	LKTR	N	M	UD	IM	-	-	-	-	-
067a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
067c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
070a_1	LKTR	N	M	UD	IM	-	-	-	-	-
070a_6	LKTR	N	M	UD	IM	-	-	-	-	-
071a_6	LKTR	N	UN	UN	UN	-	-	-	-	-
071a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
071a_8	LKTR	N	UN	UN	UN	-	-	-	-	-
072b_5	LKTR	N	M	UD	IM	-	-	-	-	-
073b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
073b_5	LKTR	N	UN	UN	UN	-	-	-	-	-
074b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
076a_1	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
076b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
076b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
077a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
077b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
077b_4	LKTR	N	F	UD	IM	-	-	-	-	-
077b_7	LKTR	N	UN	UN	UN	-	-	-	-	-
078a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
078a_2	LKTR	Y	F	UD	IM	6	-	-	-	-
078a_3	LKTR	N	M	UD	IM	-	-	-	-	-
078a_5	LKTR	N	F	UD	IM	-	-	-	-	-
079a_1	LKTR	N	M	UD	IM	-	-	-	-	-
079a_3	LKTR	N	M	UD	IM	-	-	-	-	-
079a_4	LKTR	N	F	UD	IM	-	-	-	-	-
079a_6	LKTR	N	UN	UN	UN	-	-	-	-	-
080a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
080a_6	LKTR	N	F	UD	IM	-	-	-	-	-
080a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
081a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
081a_6	LKTR	N	UN	UN	UN	-	-	-	-	-
081a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
081a_9	LKTR	N	UN	UD	IM	-	-	-	-	-
081a_10	LKTR	N	UN	UN	UN	-	-	-	-	-
081a_15	LKTR	N	M	UD	IM	-	-	-	-	-
082a_2	LKTR	N	M	UD	IM	-	-	-	-	-
082a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
083a_5	LKTR	N	M	UD	IM	-	-	-	-	-
083a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
084a_1	LKTR	Y	M	RI	MA	-	-	-	-	-
085a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
086a_7	LKTR	N	M	UD	IM	-	-	-	-	-
088a_1	LKTR	N	F	UD	IM	-	-	-	-	-
088a_2	LKTR	N	F	UD	IM	-	-	-	-	-
088a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
088a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
088a_6	LKTR	N	UN	UD	IM	-	-	-	-	-
088a_9	LKTR	N	M	UD	IM	-	-	-	-	-
088a_10	LKTR	N	UN	UN	UN	-	-	-	-	-
089a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
091a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
091a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
091a_10	LKTR	N	UN	UN	UN	-	-	-	-	-
091a_11	LKTR	N	F	UD	IM	-	-	-	-	-
092a_8	LKTR	N	M	UD	IM	-	-	-	-	-
092a_10	LKTR	N	UN	UN	UN	-	-	-	-	-
092a_11	LKTR	N	UN	UN	UN	-	-	-	-	-
093a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
093a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
093a_3	LKTR	N	M	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
093a_4	LKTR	N	M	UD	IM	-	-	-	-	-
093a_5	LKTR	N	F	UD	IM	-	-	-	-	-
095a_1	LKTR	N	UN	UD	IM	-	-	-	-	-
095a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
095a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
095a_12	LKTR	N	F	UD	IM	-	-	-	-	-
095a_14	LKTR	N	M	UN		-	-	-	-	-
095a_15	LKTR	N	UN	UN	UN	-	-	-	-	-
095a_18	LKTR	Y	F	RE	MA	-	-	-	-	-
096a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
096a_6	LKTR	N	F	UD	IM	-	-	-	-	-
096a_11	LKTR	N	M	UD	IM	-	-	-	-	-
096a_14	LKTR	N	UN	UN	UN	-	-	-	-	-
097a_1	LKTR	N	M	UD	IM	-	-	-	-	-
097a_3	LKTR	N	F	UD	IM	-	-	-	-	-
098a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
098a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
098a_4	LKTR	N	F	UD	IM	-	-	-	-	-
098a_5	LKTR	N	M	UD	IM	-	-	-	-	-
098a_6	LKTR	N	M	UD	IM	-	-	-	-	-
098a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
098a_8	LKTR	N	M	UD	IM	-	-	-	-	-
099a_4	LKTR	N	M	UD	IM	-	-	-	-	-
100a_1	LKTR	N	F	UD	IM	-	-	-	-	-
100a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
101a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
101a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
101a_4	LKTR	N	F	UD	IM	-	-	-	-	-
102a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
103a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
104a_1	LKTR	N	F	UD	IM	-	-	-	-	-
105a_3	LKTR	N	F	UD	IM	-	-	-	-	-
106a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
106a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
107a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
107a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
108a_3	LKTR	N	F	UD	IM	-	-	-	-	-
108a_6	LKTR	N	UN	UN	UN	-	-	-	-	-
108a_8	LKTR	N	M	UD	IM	-	-	-	-	-
108a_11	LKTR	N	UN	UN	UN	-	-	-	-	-
108a_13	LKTR	N	M	UD	IM	-	-	-	-	-
108b_2	LKTR	N	F	UD	IM	-	-	-	-	-
108b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
108b_5	LKTR	N	M	UD	IM	-	-	-	-	-
108b_6	LKTR	N	M	UD	IM	-	-	-	-	-
109a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
110a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
110a_3	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
111a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
111a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
112a_4	LKTR	N	M	UD	IM	-	-	-	-	-
114a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
117a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
117a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
117a_4	LKTR	N	M	UD	IM	-	-	-	-	-
117a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
124a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
126a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
129a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
132a_2	LKTR	N	F	RI	MA	-	-	-	-	-
134a_6	LKTR	N	UN	UN	UN	-	-	-	-	-
138a_1	LKTR	N	F	UD	IM	-	-	-	-	-
138a_6	LKTR	N	F	UD	IM	-	-	-	-	-
139a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
139a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
143a_2	LKTR	N	M	UD	IM	-	-	-	-	-
143a_5	LKTR	Y	F	RU	MA	252.1	13.27	0.111	11.13	2265
143a_6	LKTR	Y	F	UD	IM	-	-	-	-	-
144a_1	LKTR	N	F	UD	IM	-	-	-	-	-
144a_3	LKTR	N	M	UD	IM	-	-	-	-	-
145a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
145a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
145a_6	LKTR	N	UN	UN	UN	-	-	-	-	-
146a_8	LKTR	N	UN	UN	UN	-	-	-	-	-
149a_1	LKTR	N	M	UD	IM	-	-	-	-	-
149a_2	LKTR	N	F	UD	IM	-	-	-	-	-
149a_3	LKTR	N	M	UD	IM	-	-	-	-	-
149a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
150a_2	LKTR	N	F	UD	IM	-	-	-	-	-
150a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
150a_5	LKTR	N	F	UD	IM	-	-	-	-	-
152a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
155a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
160a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
161a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
161b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
161b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
161c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
161c_2	LKTR	N	UN	UN	UN	-	-	-	-	-
161d_5	LKTR	N	F	UD	IM	-	-	-	-	-
161d_6	LKTR	N	M	UD	IM	-	-	-	-	-
162a_1	LKTR	Y	M	UD	IM	-	-	-	-	-
162a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
162a_3	LKTR	N	UN	UD	IM	-	-	-	-	-
162b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
162b_2	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
162f_2	LKTR	N	UN	UN	UN	-	-	-	-	-
162g_1	LKTR	N	M	UD	IM	-	-	-	-	-
162h_1	LKTR	N	UN	UN	UN	-	-	-	-	-
163a_1	LKTR	N	M	UD	IM	-	-	-	-	-
164a_2	LKTR	N	UN	UD	IM	-	-	-	-	-
164b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
164c_6	LKTR	N	UN	UN	UN	-	-	-	-	-
164c_7	LKTR	N	UN	UN	UN	-	-	-	-	-
164d_3	LKTR	N	UN	UN	UN	-	-	-	-	-
164d_4	LKTR	N	F	UD	IM	-	-	-	-	-
164d_7	LKTR	N	F	UD	IM	-	-	-	-	-
164e_1	LKTR	N	UN	UN	UN	-	-	-	-	-
164e_3	LKTR	N	F	UD	IM	-	-	-	-	-
164f_1	LKTR	N	UN	UN	UN	-	-	-	-	-
164g_1	LKTR	N	UN	UN	UN	-	-	-	-	-
164g_2	LKTR	N	M	UD	IM	-	-	-	-	-
164g_3	LKTR	N	UN	UN	UN	-	-	-	-	-
164h_1	LKTR	N	F	UD	IM	-	-	-	-	-
164h_3	LKTR	N	M	UD	IM	-	-	-	-	-
164h_4	LKTR	N	UN	UN	UN	-	-	-	-	-
164i_1	LKTR	N	UN	UN	UN	-	-	-	-	-
164i_2	LKTR	N	UN	UN	UN	-	-	-	-	-
164i_4	LKTR	N	UN	UN	UN	-	-	-	-	-
164i_7	LKTR	N	UN	UN	UN	-	-	-	-	-
164i_8	LKTR	N	UN	UN	UN	-	-	-	-	-
164l_1	LKTR	N	UN	UN	UN	-	-	-	-	-
164m_5	LKTR	N	UN	UN	UN	-	-	-	-	-
164m_7	LKTR	N	UN	UN	UN	-	-	-	-	-
164m_8	LKTR	N	UN	UN	UN	-	-	-	-	-
165a_1	LKTR	N	M	UD	IM	-	-	-	-	-
167c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
170a_1	LKTR	N	M	UD	IM	-	-	-	-	-
170a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
170a_5	LKTR	N	F	UD	IM	-	-	-	-	-
175a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
175c_3	LKTR	N	UN	UN	UN	-	-	-	-	-
175c_5	LKTR	N	UN	UN	UN	-	-	-	-	-
176a_2	LKTR	N	F	UD	IM	-	-	-	-	-
179b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
179c_4	LKTR	N	UN	UN	UN	-	-	-	-	-
179c_5	LKTR	N	UN	UN	UN	-	-	-	-	-
180a_1	LKTR	N	M	UD	IM	-	-	-	-	-
180b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
180b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
180b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
180c_2	LKTR	N	M	UD	IM	-	-	-	-	-
180d_2	LKTR	N	UN	UN	UN	-	-	-	-	-
180e_2	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
180e_3	LKTR	N	UN	UN	UN	-	-	-	-	-
180j_1	LKTR	N	UN	UN	UN	-	-	-	-	-
182a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
182e_2	LKTR	N	UN	UN	UN	-	-	-	-	-
183a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
183b_1	LKTR	N	M	UD	IM	-	-	-	-	-
183c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
183f_1	LKTR	N	UN	UN	UN	-	-	-	-	-
183g_1	LKTR	N	M	UD	IM	-	-	-	-	-
184a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
185a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
185b_2	LKTR	N	M	UD	IM	-	-	-	-	-
185d_3	LKTR	N	F	UD	IM	-	-	-	-	-
185e_1	LKTR	N	UN	UN	UN	-	-	-	-	-
185g_1	LKTR	N	UN	UN	UN	-	-	-	-	-
185h_1	LKTR	N	UN	UN	UN	-	-	-	-	-
185i_1	LKTR	N	F	UD	IM	-	-	-	-	-
185i_2	LKTR	N	F	RE	MA	-	-	-	-	-
185j_2	LKTR	N	UN	UN	UN	-	-	-	-	-
186c_4	LKTR	N	UN	UN	UN	-	-	-	-	-
186d_2	LKTR	N	UN	UN	UN	-	-	-	-	-
186e_1	LKTR	N	UN	UN	UN	-	-	-	-	-
186g_2	LKTR	N	M	UD	IM	-	-	-	-	-
186g_5	LKTR	N	UN	UN	UN	-	-	-	-	-
186h_2	LKTR	N	UN	UN	UN	-	-	-	-	-
186h_3	LKTR	N	UN	UN	UN	-	-	-	-	-
186h_5	LKTR	N	UN	UN	UN	-	-	-	-	-
186j_1	LKTR	N	UN	UN	UN	-	-	-	-	-
186k_3	LKTR	N	UN	UN	UN	-	-	-	-	-
186m_1	LKTR	N	UN	UN	UN	-	-	-	-	-
187b_6	LKTR	N	M	UD	IM	-	-	-	-	-
187f_2	LKTR	N	M	RU	MA	-	-	-	-	-
187j_1	LKTR	N	UN	UN	UN	-	-	-	-	-
189b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
189c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
190a_3	LKTR	N	M	UD	IM	-	-	-	-	-
190c_10	LKTR	N	F	UD	IM	-	-	-	-	-
190d_1	LKTR	N	UN	UN	UN	-	-	-	-	-
190d_2	LKTR	Y	F	UN	UN	-	-	-	-	-
190d_3	LKTR	N	UN	UN	UN	-	-	-	-	-
190e_1	LKTR	N	UN	UN	UN	-	-	-	-	-
191a_2	LKTR	N	M	UD	IM	-	-	-	-	-
191b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
191d_1	LKTR	N	UN	UN	UN	-	-	-	-	-
191d_2	LKTR	N	UN	UN	UN	-	-	-	-	-
192a_2	LKTR	Y	F	UD	IM	-	-	-	-	-
192b_6	LKTR	N	UN	UN	UN	-	-	-	-	-
192b_9	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
192b_12	LKTR	N	M	UD	IM	-	-	-	-	-
192c_3	LKTR	N	F	UD	IM	-	-	-	-	-
192c_6	LKTR	N	UN	UN	UN	-	-	-	-	-
192c_7	LKTR	N	F	UD	IM	-	-	-	-	-
192d_2	LKTR	N	UN	UN	UN	-	-	-	-	-
193b_12	LKTR	N	M	UD	IM	-	-	-	-	-
193b_19	LKTR	N	UN	UN	UN	-	-	-	-	-
193c_3	LKTR	N	UN	UN	UN	-	-	-	-	-
193c_6	LKTR	N	UN	UN	UN	-	-	-	-	-
193c_8	LKTR	N	F	UD	IM	-	-	-	-	-
193d_4	LKTR	N	UN	UN	UN	-	-	-	-	-
194a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
194b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
194b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
194b_5	LKTR	N	UN	UN	UN	-	-	-	-	-
194c_1	LKTR	N	F	UD	IM	-	-	-	-	-
194f_3	LKTR	N	M	UD	IM	-	-	-	-	-
194f_4	LKTR	N	UN	UN	UN	-	-	-	-	-
194f_8	LKTR	N	UN	UN	UN	-	-	-	-	-
194f_9	LKTR	N	UN	UN	UN	-	-	-	-	-
194f_10	LKTR	N	M	UD	IM	-	-	-	-	-
194f_11	LKTR	N	M	UD	IM	-	-	-	-	-
195a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
196a_3	LKTR	N	M	UD	IM	-	-	-	-	-
196a_4	LKTR	N	UN	UN	UN	-	-	-	-	-
196b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
196b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
196b_3	LKTR	N	UN	UN	UN	-	-	-	-	-
196b_4	LKTR	N	UN	UN	UN	-	-	-	-	-
196c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
196c_2	LKTR	N	UN	UN	UN	-	-	-	-	-
196d_1	LKTR	N	M	UD	IM	-	-	-	-	-
196d_3	LKTR	N	UN	UN	UN	-	-	-	-	-
198a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
198c_1	LKTR	N	M	UD	IM	-	-	-	-	-
198d_3	LKTR	N	UN	UN	UN	-	-	-	-	-
198e_1	LKTR	N	UN	UN	UN	-	-	-	-	-
198g_1	LKTR	N	M	UD	IM	-	-	-	-	-
198h_1	LKTR	N	UN	UN	UN	-	-	-	-	-
198k_2	LKTR	N	M	UD	IM	-	-	-	-	-
198m_1	LKTR	N	F	UD	IM	-	-	-	-	-
198o_1	LKTR	N	UN	UN	UN	-	-	-	-	-
198q_1	LKTR	N	F	UD	IM	-	-	-	-	-
198q_2	LKTR	N	M	UD	IM	-	-	-	-	-
198q_3	LKTR	N	F	UD	IM	-	-	-	-	-
198r_1	LKTR	N	UN	UD	IM	-	-	-	-	-
200b_4	LKTR	N	F	UD	IM	-	-	-	-	-
200d_2	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
200m_2	LKTR	N	M	UD	IM	-	-	-	-	-
201a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
201b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
201c_2	LKTR	N	UN	UN	UN	-	-	-	-	-
201e_1	LKTR	N	UN	UN	UN	-	-	-	-	-
203c_1	LKTR	N	M	UD	IM	-	-	-	-	-
203c_3	LKTR	Y	M	UD	IM	-	-	-	-	-
203d_2	LKTR	N	UN	UN	UN	-	-	-	-	-
203d_4	LKTR	N	UN	UN	UN	-	-	-	-	-
205a_7	LKTR	N	UN	UN	UN	-	-	-	-	-
205a_8	LKTR	N	UN	UN	UN	-	-	-	-	-
205a_9	LKTR	N	UN	UN	UN	-	-	-	-	-
205b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
205b_2	LKTR	N	F	UD	IM	-	-	-	-	-
205b_3	LKTR	N	M	UD	IM	-	-	-	-	-
205c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
205c_3	LKTR	Y	M	UD	IM	-	-	-	-	-
205d_1	LKTR	N	UN	UN	UN	-	-	-	-	-
205d_2	LKTR	N	UN	UN	UN	-	-	-	-	-
205e_1	LKTR	Y	M	UD	IM	-	-	-	-	-
205e_3	LKTR	N	UN	UN	UN	-	-	-	-	-
205e_4	LKTR	N	UN	UN	UN	-	-	-	-	-
205l_1	LKTR	N	UN	UN	UN	-	-	-	-	-
205l_2	LKTR	N	UN	UN	UN	-	-	-	-	-
205l_4	LKTR	N	UN	UN	UN	-	-	-	-	-
206a_21	LKTR	N	F	UD	IM	-	-	-	-	-
206d_2	LKTR	N	UN	UN	UN	-	-	-	-	-
206d_3	LKTR	N	UN	UN	UN	-	-	-	-	-
206g_2	LKTR	N	UN	UN	UN	-	-	-	-	-
206g_3	LKTR	N	F	UD	IM	-	-	-	-	-
206h_1	LKTR	N	M	UD	IM	-	-	-	-	-
206i_1	LKTR	N	UN	UN	UN	-	-	-	-	-
206i_2	LKTR	N	F	UD	IM	-	-	-	-	-
206i_5	LKTR	N	F	UD	IM	-	-	-	-	-
206j_1	LKTR	N	UN	UN	UN	-	-	-	-	-
206j_3	LKTR	N	UN	UN	UN	-	-	-	-	-
206o_2	LKTR	N	UN	UN	UN	-	-	-	-	-
207b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
207b_4	LKTR	Y	M	UD	IM	-	-	-	-	-
207b_7	LKTR	N	UN	UN	UN	-	-	-	-	-
207d_1	LKTR	N	UN	UN	UN	-	-	-	-	-
207d_2	LKTR	N	UN	UN	UN	-	-	-	-	-
207f_2	LKTR	N	UN	UN	UN	-	-	-	-	-
209a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
209a_4	LKTR	Y	M	UD	IM	-	-	-	-	-
209a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
209b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
209c_2	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
209e_1	LKTR	N	UN	UN	UN	-	-	-	-	-
209f_1	LKTR	N	UN	UN	UN	-	-	-	-	-
209h_1	LKTR	N	UN	UN	UN	-	-	-	-	-
209h_3	LKTR	N	UN	UN	UN	-	-	-	-	-
209m_2	LKTR	N	UN	UN	UN	-	-	-	-	-
209n_2	LKTR	N	UN	UN	UN	-	-	-	-	-
210g_1	LKTR	N	UN	UN	UN	-	-	-	-	-
211a_5	LKTR	N	UN	UN	UN	-	-	-	-	-
211b_2	LKTR	N	UN	UN	UN	-	-	-	-	-
211c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
211e_1	LKTR	N	F	UD	IM	-	-	-	-	-
212a_2	LKTR	N	UN	UN	UN	-	-	-	-	-
212a_3	LKTR	N	UN	UN	UN	-	-	-	-	-
212c_3	LKTR	N	UN	UN	UN	-	-	-	-	-
212e_2	LKTR	N	UN	UN	UN	-	-	-	-	-
212h_1	LKTR	N	UN	UN	UN	-	-	-	-	-
213d_1	LKTR	N	M	UD	IM	-	-	-	-	-
213e_1	LKTR	N	UN	UN	UN	-	-	-	-	-
213e_2	LKTR	N	UN	UN	UN	-	-	-	-	-
213f_1	LKTR	N	M	UD	IM	-	-	-	-	-
214b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
214c_1	LKTR	N	M	UD	IM	-	-	-	-	-
214d_1	LKTR	N	F	UD	IM	-	-	-	-	-
214e_1	LKTR	N	UN	UN	UN	-	-	-	-	-
214f_4	LKTR	N	UN	UN	UN	-	-	-	-	-
214f_5	LKTR	N	M	UD	IM	-	-	-	-	-
214f_6	LKTR	N	UN	UN	UN	-	-	-	-	-
214g_1	LKTR	N	UN	UN	UN	-	-	-	-	-
214i_1	LKTR	N	F	UD	IM	-	-	-	-	-
214i_2	LKTR	N	UN	UN	UN	-	-	-	-	-
214j_1	LKTR	N	F	UD	IM	-	-	-	-	-
214k_1	LKTR	N	UN	UN	UN	-	-	-	-	-
214k_2	LKTR	N	UN	UN	UN	-	-	-	-	-
216a_1	LKTR	N	UN	UN	UN	-	-	-	-	-
216c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
216f_1	LKTR	N	F	UD	IM	-	-	-	-	-
218c_1	LKTR	N	UN	UN	UN	-	-	-	-	-
218j_3	LKTR	N	UN	UD	IM	-	-	-	-	-
221b_1	LKTR	N	UN	UD	IM	-	-	-	-	-
221c_3	LKTR	N	F	UD	IM	-	-	-	-	-
221d_3	LKTR	N	UN	UN	UN	-	-	-	-	-
224c_2	LKTR	N	M	RE	MA	-	-	-	-	-
226b_1	LKTR	N	UN	UN	UN	-	-	-	-	-
226c_2	LKTR	N	UN	UN	UN	-	-	-	-	-
227a_1	LKTR	N	UN	UD	IM	-	-	-	-	-
229d_1	LKTR	N	UN	UN	UN	-	-	-	-	-
229d_2	LKTR	N	UN	UN	UN	-	-	-	-	-
230d_3	LKTR	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
230d_5	LKTR	N	UN	UD	IM	-	-	-	-	-
232c_4	LKTR	N	M	UD	IM	-	-	-	-	-
001a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
001a_4	RNWH	N	UN	UN	UN	-	-	-	-	-
001c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
002b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
003a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
003b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
003b_2	RNWH	N	UN	UN	UN	-	-	-	-	-
003c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
003c_3	RNWH	N	UN	UN	UN	-	-	-	-	-
004b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
005a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
006a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
008a_1	RNWH	Y	M	RI	MA	-	-	-	-	-
008b_1	RNWH	N	M	UD	IM	-	-	-	-	-
009a_1	RNWH	Y	UN	UD	IM	-	-	-	-	-
009a_5	RNWH	Y	M	UD	IM	-	-	-	-	-
009a_7	RNWH	N	UN	UN	UN	-	-	-	-	-
009a_8	RNWH	N	UN	UN	UN	-	-	-	-	-
009b_3	RNWH	Y	UN	UD	IM	-	-	-	-	-
009b_6	RNWH	N	UN	UN	UN	-	-	-	-	-
009c_1	RNWH	Y	M	RI	MA	-	-	-	-	-
009c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
009c_3	RNWH	N	UN	UN	UN	-	-	-	-	-
009c_4	RNWH	N	F	RI	MA	-	-	-	-	-
010b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
010c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
011a_3	RNWH	Y	F	RI	MA	21.3	4.48	0.003	0.26	8192
011b_1	RNWH	Y	M	RI	MA	-	-	-	-	-
011c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
012b_1	RNWH	Y	F	UD	IM	-	-	-	-	-
013b_1	RNWH	Y	UN	UD	IM	-	-	-	-	-
013b_3	RNWH	N	UN	UN	UN	-	-	-	-	-
013c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
013c_6	RNWH	N	UN	UN	UN	-	-	-	-	-
014a_1	RNWH	Y	UN	UN	UN	-	-	-	-	-
014a_2	RNWH	Y	UN	UN	UN	-	-	-	-	-
015a_2	RNWH	Y	UN	UN	UN	-	-	-	-	-
015c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
017a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
017b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
018b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
019a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
019a_3	RNWH	N	UN	UN	UN	-	-	-	-	-
019a_4	RNWH	N	UN	UN	UN	-	-	-	-	-
019c_2	RNWH	N	F	RI	MA	10.47	3.49	0.002	0.23	5235

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
019c_3	RNWH	Y	M	RI	MA	-	-	-	-	-
019c_4	RNWH	Y	M	RI	MA	-	-	-	-	-
020a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
020c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
021a_7	RNWH	N	UN	UN	UN	-	-	-	-	-
021b_1	RNWH	Y	F	RI	MA	3.89	1.30	0.003	0.25	1556
022b_2	RNWH	N	UN	UN	UN	-	-	-	-	-
023c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
023c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
025a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
029c_3	RNWH	N	UN	UN	UN	-	-	-	-	-
029c_4	RNWH	N	UN	UN	UN	-	-	-	-	-
030a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
031c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
032b_2	RNWH	N	UN	UN	UN	-	-	-	-	-
032b_3	RNWH	N	UN	UN	UN	-	-	-	-	-
033a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
033c_4	RNWH	N	UN	UN	UN	-	-	-	-	-
035b_3	RNWH	N	UN	UN	UN	-	-	-	-	-
035b_4	RNWH	N	UN	UN	UN	-	-	-	-	-
037b_5	RNWH	N	UN	UN	UN	-	-	-	-	-
038d_2	RNWH	N	UN	UN	UN	-	-	-	-	-
041b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
041c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
042a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
042a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
042b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
042c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
043a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
043a_3	RNWH	N	UN	UN	UN	-	-	-	-	-
043a_6	RNWH	N	UN	UN	UN	-	-	-	-	-
043b_2	RNWH	N	UN	UN	UN	-	-	-	-	-
043c_6	RNWH	N	UN	UN	UN	-	-	-	-	-
044b_4	RNWH	N	UN	UN	UN	-	-	-	-	-
045b_2	RNWH	Y	M	RI	MA	-	-	-	-	-
045c_4	RNWH	N	F	RI	MA	-	-	-	-	-
045c_5	RNWH	N	F	RI	MA	-	-	-	-	-
045c_6	RNWH	Y	M	RI	MA	-	-	-	-	-
045c_7	RNWH	Y	M	UD	IM	-	-	-	-	-
045c_11	RNWH	N	UN	UN	UN	-	-	-	-	-
046a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
046b_7	RNWH	Y	UN	UN	UN	-	-	-	-	-
046b_8	RNWH	Y	M	RI	MA	-	-	-	-	-
046c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
046c_4	RNWH	N	UN	UD	IM	-	-	-	-	-
046c_6	RNWH	N	M	RI	MA	-	-	-	-	-
048a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
048a_5	RNWH	Y	M	RI	MA	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
048a_6	RNWH	Y	M	RI	MA	-	-	-	-	-
048a_7	RNWH	N	UN	UN	UN	-	-	-	-	-
048a_8	RNWH	Y	F	UD	IM	-	-	-	-	-
049a_24	RNWH	Y	M	UD	IM	-	-	-	-	-
049a_26	RNWH	Y	M	UD	IM	-	-	-	-	-
049a_27	RNWH	N	UN	UN	UN	-	-	-	-	-
049a_28	RNWH	N	M	UD	IM	-	-	-	-	-
049a_29	RNWH	Y	M	UD	IM	-	-	-	-	-
050a_6	RNWH	Y	UN	UN	UN	-	-	-	-	-
050a_9	RNWH	Y	M	UD	IM	-	-	-	-	-
050a_13	RNWH	N	M	RI	MA	-	-	-	-	-
051a_3	RNWH	Y	M	UD	IM	-	-	-	-	-
051a_4	RNWH	Y	UN	UN	UN	-	-	-	-	-
051a_6	RNWH	Y	M	RI	MA	-	-	-	-	-
051a_14	RNWH	N	F	RE	MA	-	-	-	-	-
051a_16	RNWH	Y	F	RI	MA	3.87	1.41	0.003	0.26	1488
052a_1	RNWH	N	M	RI	MA	-	-	-	-	-
052a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
052a_3	RNWH	N	UN	UN	UN	-	-	-	-	-
052a_6	RNWH	Y	F	UD	IM	-	-	-	-	-
052a_11	RNWH	N	UN	UD	IM	-	-	-	-	-
052a_12	RNWH	Y	UN	UD	IM	-	-	-	-	-
054a_1	RNWH	N	M	RI	MA	-	-	-	-	-
054a_2	RNWH	N	M	RI	MA	-	-	-	-	-
054a_3	RNWH	N	UN	UN	UN	-	-	-	-	-
055a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
055a_4	RNWH	N	UN	UN	UN	-	-	-	-	-
055a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
055a_7	RNWH	N	UN	UN	UN	-	-	-	-	-
055a_10	RNWH	N	UN	UN	UN	-	-	-	-	-
055a_13	RNWH	N	M	UD	IM	-	-	-	-	-
056a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
056a_3	RNWH	N	UN	UN	UN	-	-	-	-	-
056a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
056a_15	RNWH	N	UN	UD	IM	-	-	-	-	-
056a_17	RNWH	Y	F	UD	IM	-	-	-	-	-
056a_22	RNWH	N	UN	UD	IM	-	-	-	-	-
057a_1	RNWH	N	M	RI	MA	-	-	-	-	-
059a_5	RNWH	Y	F	UD	IM	-	-	-	-	-
060a_4	RNWH	N	F	RI	MA	-	-	-	-	-
060a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
060a_6	RNWH	N	UN	UN	UN	-	-	-	-	-
061a_1	RNWH	N	F	RI	MA	-	-	-	-	-
062a_1	RNWH	N	M	RI	MA	-	-	-	-	-
062a_14	RNWH	N	M	RI	MA	-	-	-	-	-
062a_15	RNWH	N	M	UD	IM	-	-	-	-	-
064a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
064a_5	RNWH	N	M	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
065b_3	RNWH	N	M	RI	MA	-	-	-	-	-
065c_2	RNWH	N	F	RI	MA	-	-	-	-	-
066a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
066c_4	RNWH	N	F	RI	MA	-	-	-	-	-
066c_5	RNWH	N	UN	UN	UN	-	-	-	-	-
066c_7	RNWH	N	M	RI	MA	-	-	-	-	-
066c_8	RNWH	N	F	RI	MA	-	-	-	-	-
066d_1	RNWH	N	M	SP	MA	-	-	-	-	-
066d_2	RNWH	N	M	RI	MA	-	-	-	-	-
067a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
067c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
067c_3	RNWH	N	UN	UN	UN	-	-	-	-	-
070a_2	RNWH	N	F	RI	MA	-	-	-	-	-
070a_4	RNWH	N	UN	UN	UN	-	-	-	-	-
071a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
071a_9	RNWH	N	M	RI	MA	-	-	-	-	-
071a_10	RNWH	Y	F	RI	MA	51.1	6.19	0.007	0.70	7300
072a_1	RNWH	N	M	UD	IM	-	-	-	-	-
074b_1	RNWH	N	F	RI	MA	-	-	-	-	-
077a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
077b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
077b_3	RNWH	N	M	RI	MA	-	-	-	-	-
077b_5	RNWH	N	F	RI	MA	-	-	-	-	-
077b_6	RNWH	N	UN	UN	UN	-	-	-	-	-
078a_4	RNWH	N	F	UD	IM	-	-	-	-	-
079a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
079a_7	RNWH	N	UN	UN	UN	-	-	-	-	-
081a_2	RNWH	N	M	RI	MA	-	-	-	-	-
081a_12	RNWH	N	UN	UD	IM	-	-	-	-	-
081a_13	RNWH	N	M	UD	IM	-	-	-	-	-
081a_16	RNWH	N	UN	UD	IM	-	-	-	-	-
081a_17	RNWH	N	M	UD	IM	-	-	-	-	-
083a_6	RNWH	N	UN	UN	UN	-	-	-	-	-
083a_8	RNWH	N	UN	UN	UN	-	-	-	-	-
083a_9	RNWH	N	M	RI	MA	-	-	-	-	-
086a_3	RNWH	N	M	UD	IM	-	-	-	-	-
088a_3	RNWH	N	F	UD	IM	-	-	-	-	-
089a_1	RNWH	N	M	UD	IM	-	-	-	-	-
090a_2	RNWH	N	F	RI	MA	-	-	-	-	-
091a_1	RNWH	N	M	UD	IM	-	-	-	-	-
091a_7	RNWH	N	UN	UN	UN	-	-	-	-	-
091a_8	RNWH	N	M	RI	MA	-	-	-	-	-
092a_12	RNWH	N	UN	UD	IM	-	-	-	-	-
094a_1	RNWH	N	M	UD	IM	-	-	-	-	-
094a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
095a_8	RNWH	N	F	UD	IM	-	-	-	-	-
096a_2	RNWH	N	M	UD	IM	-	-	-	-	-
096a_7	RNWH	N	M	RI	MA	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
097a_2	RNWH	N	M	UD	IM	-	-	-	-	-
097a_4	RNWH	N	F	UD	IM	-	-	-	-	-
097a_5	RNWH	N	F	UD	IM	-	-	-	-	-
098a_3	RNWH	N	F	UD	IM	-	-	-	-	-
098a_9	RNWH	N	M	UD	IM	-	-	-	-	-
102a_4	RNWH	N	M	UD	IM	-	-	-	-	-
103a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
103a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
106a_4	RNWH	N	UN	UN	UN	-	-	-	-	-
107a_4	RNWH	N	UN	UN	UN	-	-	-	-	-
108a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
108a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
108a_14	RNWH	N	M	UD	IM	-	-	-	-	-
108b_1	RNWH	N	M	RI	MA	-	-	-	-	-
109a_6	RNWH	N	M	UD	IM	-	-	-	-	-
110a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
114a_3	RNWH	N	UN	UN	UN	-	-	-	-	-
125a_1	RNWH	N	M	UD	IM	-	-	-	-	-
125a_4	RNWH	N	M	UD	IM	-	-	-	-	-
126a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
128a_3	RNWH	N	UN	UN	UN	-	-	-	-	-
130a_1	RNWH	N	F	RI	MA	0.8	5.11	0.003	0.306	266
132a_1	RNWH	N	F	RU	MA	41.4	7.53	0.009	0.9	4600
134a_7	RNWH	N	UN	UN	UN	-	-	-	-	-
135a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
136a_3	RNWH	N	UN	UD	IM	-	-	-	-	-
138a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
138a_4	RNWH	N	F	UD	IM	-	-	-	-	-
144a_2	RNWH	N	UN	UD	IM	-	-	-	-	-
145a_1	RNWH	N	F	UD	IM	-	-	-	-	-
145a_3	RNWH	N	UN	UN	UN	-	-	-	-	-
146a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
146a_7	RNWH	N	UN	UN	UN	-	-	-	-	-
147a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
150a_6	RNWH	N	F	UD	IM	-	-	-	-	-
160b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
161a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
161a_3	RNWH	N	M	UD	IM	-	-	-	-	-
161b_2	RNWH	Y	F	RI	MA	28.13	8.04	0.007	0.68	4137
161b_7	RNWH	N	UN	UN	UN	-	-	-	-	-
161c_3	RNWH	N	UN	UN	UN	-	-	-	-	-
161c_5	RNWH	N	UN	UN	UN	-	-	-	-	-
161c_6	RNWH	N	UN	UN	UN	-	-	-	-	-
161d_3	RNWH	N	F	UD	IM	-	-	-	-	-
161d_4	RNWH	N	M	UD	IM	-	-	-	-	-
164a_4	RNWH	N	M	UD	IM	-	-	-	-	-
164a_5	RNWH	N	UN	UD	IM	-	-	-	-	-
164a_6	RNWH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
164a_7	RNWH	N	UN	UD	IM	-	-	-	-	-
164a_8	RNWH	N	M	UD	IM	-	-	-	-	-
164c_1	RNWH	N	UN	UD	IM	-	-	-	-	-
164c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
164c_4	RNWH	N	M	UD	IM	-	-	-	-	-
164c_5	RNWH	N	M	UD	IM	-	-	-	-	-
164c_8	RNWH	N	UN	UN	UN	-	-	-	-	-
164c_17	RNWH	N	UN	UN	UN	-	-	-	-	-
164d_5	RNWH	N	UN	UN	UN	-	-	-	-	-
164e_4	RNWH	N	UN	UD	IM	-	-	-	-	-
164h_2	RNWH	N	UN	UN	UN	-	-	-	-	-
164h_6	RNWH	N	UN	UN	UN	-	-	-	-	-
164i_10	RNWH	N	M	UD	IM	-	-	-	-	-
164j_03	RNWH	N	UN	UD	IM	-	-	-	-	-
164m_3	RNWH	N	UN	UN	UN	-	-	-	-	-
164m_4	RNWH	N	UN	UN	UN	-	-	-	-	-
164m_9	RNWH	N	UN	UN	UN	-	-	-	-	-
164m_14	RNWH	N	M	UD	IM	-	-	-	-	-
165b_1	RNWH	Y	F	RI	MA	21.65	6.19	0.038	3.80	570
167b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
171a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
172a_4	RNWH	N	UN	UN	UN	-	-	-	-	-
173b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
175a_2	RNWH	N	M	UD	IM	-	-	-	-	-
175a_3	RNWH	N	UN	UD	IM	-	-	-	-	-
175a_4	RNWH	N	F	UD	IM	-	-	-	-	-
175a_5	RNWH	N	F	UD	IM	-	-	-	-	-
175a_6	RNWH	N	F	UD	IM	-	-	-	-	-
175c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
175c_2	RNWH	N	M	UD	IM	-	-	-	-	-
175c_4	RNWH	N	UN	UN	UN	-	-	-	-	-
175d_1	RNWH	N	F	RI	MA	-	-	-	-	-
177e_1	RNWH	N	UN	UN	UN	-	-	-	-	-
180a_2	RNWH	N	M	UD	IM	-	-	-	-	-
180b_2	RNWH	Y	F	UD	IM	-	-	-	-	-
180d_1	RNWH	N	M	RE	MA	-	-	-	-	-
180d_4	RNWH	Y	M	RI	MA	-	-	-	-	-
180e_1	RNWH	N	M	UD	IM	-	-	-	-	-
180e_4	RNWH	N	UN	UN	UN	-	-	-	-	-
181a_1	RNWH	Y	F	RI	MA	20.76	2.86	0.003	0.26	7985
183a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
183d_1	RNWH	N	UN	UN	UN	-	-	-	-	-
184a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
184b_2	RNWH	N	M	UD	IM	-	-	-	-	-
184b_3	RNWH	N	UN	UN	UN	-	-	-	-	-
184b_4	RNWH	N	F	RI	MA	-	-	-	-	-
184c_1	RNWH	N	UN	UD	IM	-	-	-	-	-
184c_2	RNWH	N	UN	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
184c_3	RNWH	N	UN	UD	IM	-	-	-	-	-
184c_4	RNWH	N	UN	UD	IM	-	-	-	-	-
184c_5	RNWH	N	UN	UN	UN	-	-	-	-	-
185a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
185h_2	RNWH	N	UN	UN	UN	-	-	-	-	-
185i_3	RNWH	N	UN	UN	UN	-	-	-	-	-
186b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
186c_1	RNWH	N	M	UD	IM	-	-	-	-	-
186c_2	RNWH	N	F	UD	IM	-	-	-	-	-
186c_3	RNWH	N	M	UD	IM	-	-	-	-	-
186f_2	RNWH	N	F	UD	IM	-	-	-	-	-
186g_3	RNWH	N	M	UD	IM	-	-	-	-	-
186g_4	RNWH	N	UN	UN	UN	-	-	-	-	-
186h_4	RNWH	N	F	UD	IM	-	-	-	-	-
186k_2	RNWH	N	UN	UN	UN	-	-	-	-	-
186l_3	RNWH	N	UN	UN	UN	-	-	-	-	-
186m_2	RNWH	N	UN	UN	UN	-	-	-	-	-
186m_3	RNWH	N	UN	UN	UN	-	-	-	-	-
187a_1	RNWH	N	UN	UD	IM	-	-	-	-	-
187a_2	RNWH	N	UN	UD	IM	-	-	-	-	-
187a_3	RNWH	N	UN	UD	IM	-	-	-	-	-
187a_4	RNWH	N	M	UD	IM	-	-	-	-	-
187a_5	RNWH	N	UN	UN	UN	-	-	-	-	-
187b_1	RNWH	N	M	RI	MA	-	-	-	-	-
187b_2	RNWH	N	UN	UD	IM	-	-	-	-	-
187b_3	RNWH	N	UN	UD	IM	-	-	-	-	-
187b_5	RNWH	N	UN	UN	UN	-	-	-	-	-
187c_1	RNWH	N	UN	UD	IM	-	-	-	-	-
187f_1	RNWH	N	UN	UD	IM	-	-	-	-	-
189d_2	RNWH	N	UN	UN	UN	-	-	-	-	-
189e_1	RNWH	N	UN	UN	UN	-	-	-	-	-
189j_1	RNWH	N	UN	UN	UN	-	-	-	-	-
190a_7	RNWH	N	M	UD	IM	-	-	-	-	-
192a_9	RNWH	N	F	UD	IM	-	-	-	-	-
192b_3	RNWH	N	UN	UN	UN	-	-	-	-	-
192b_11	RNWH	N	UN	UN	UN	-	-	-	-	-
192c_1	RNWH	N	F	UD	IM	-	-	-	-	-
193a_6	RNWH	N	F	RI	MA	-	-	-	-	-
193a_7	RNWH	N	UN	UN	UN	-	-	-	-	-
193b_1	RNWH	N	F	UD	IM	-	-	-	-	-
193b_2	RNWH	N	F	UD	IM	-	-	-	-	-
193b_3	RNWH	N	F	UD	IM	-	-	-	-	-
193b_4	RNWH	N	UN	UN	UN	-	-	-	-	-
193b_5	RNWH	N	M	UD	IM	-	-	-	-	-
193b_6	RNWH	N	M	UD	IM	-	-	-	-	-
193b_7	RNWH	N	UN	UN	UN	-	-	-	-	-
193b_8	RNWH	N	F	UD	IM	-	-	-	-	-
193b_9	RNWH	N	F	RI	MA	0.17	1.94	0.003	50 eggs	50

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
193b_10	RNWH	N	F	RI	MA	0.2	2.28	0.005	40 eggs	40
193b_11	RNWH	N	UN	UN	UN	-	-	-	-	-
193b_13	RNWH	N	UN	UN	UN	-	-	-	-	-
193b_14	RNWH	N	UN	UN	UN	-	-	-	-	-
193b_15	RNWH	N	F	UD	IM	-	-	-	-	-
193b_16	RNWH	N	F	RI	MA	0.92	9.20	0.015	60 eggs	60
193b_18	RNWH	N	UN	UN	UN	-	-	-	-	-
193c_1	RNWH	Y	M	RI	MA	-	-	-	-	-
193c_9	RNWH	N	UN	UN	UN	-	-	-	-	-
193c_12	RNWH	N	F	UD	IM	-	-	-	-	-
193c_14	RNWH	N	F	UD	IM	-	-	-	-	-
193c_15	RNWH	N	F	UD	IM	-	-	-	-	-
193c_17	RNWH	N	UN	UN	UN	-	-	-	-	-
193d_1	RNWH	N	UN	UN	UN	-	-	-	-	-
193d_2	RNWH	N	M	UD	IM	-	-	-	-	-
193d_6	RNWH	N	F	UD	IM	-	-	-	-	-
193d_7	RNWH	N	F	RI	MA	0.7	8.79	0.003	0.26	269
193d_8	RNWH	N	UN	UN	UN	-	-	-	-	-
193d_9	RNWH	N	F	UD	IM	-	-	-	-	-
193d_10	RNWH	N	F	UD	IM	-	-	-	-	-
193d_11	RNWH	N	F	UD	IM	-	-	-	-	-
193d_12	RNWH	N	F	RI	MA	0.26	3.26	0.002	0.22	130
193d_13	RNWH	N	F	UD	IM	-	-	-	-	-
193d_14	RNWH	N	F	UD	IM	-	-	-	-	-
193d_15	RNWH	N	F	UD	IM	-	-	-	-	-
193d_16	RNWH	N	F	UD	IM	-	-	-	-	-
193d_17	RNWH	N	F	UD	IM	-	-	-	-	-
193d_18	RNWH	N	F	UD	IM	-	-	-	-	-
193e_1	RNWH	N	UN	UN	UN	-	-	-	-	-
193e_2	RNWH	N	F	UD	IM	-	-	-	-	-
193f_1	RNWH	N	UN	UN	UN	-	-	-	-	-
193f_2	RNWH	N	F	RI	MA	-	-	-	-	-
193f_3	RNWH	N	F	RI	MA	-	-	-	-	-
193f_4	RNWH	N	UN	UN	UN	-	-	-	-	-
193f_5	RNWH	N	F	RI	MA	-	-	-	-	-
193f_6	RNWH	N	M	UD	IM	-	-	-	-	-
193f_7	RNWH	N	F	RI	MA	-	-	-	-	-
193f_8	RNWH	N	F	RI	MA	-	-	-	-	-
193f_9	RNWH	N	UN	UN	UN	-	-	-	-	-
193f_10	RNWH	N	F	RI	MA	-	-	-	-	-
194b_4	RNWH	N	F	UD	IM	-	-	-	-	-
194b_6	RNWH	N	UN	UN	UN	-	-	-	-	-
194b_7	RNWH	N	F	RI	MA	-	-	-	-	-
194d_1	RNWH	Y	M	RI	MA	-	-	-	-	-
194f_7	RNWH	N	UN	UN	UN	-	-	-	-	-
197b_2	RNWH	N	UN	UN	UN	-	-	-	-	-
198k_1	RNWH	N	UN	UN	UN	-	-	-	-	-
198s_1	RNWH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
198s_2	RNWH	N	UN	UN	UN	-	-	-	-	-
199a_1	RNWH	N	F	UD	IM	-	-	-	-	-
199a_2	RNWH	N	M	RI	MA	-	-	-	-	-
199a_3	RNWH	N	M	RI	MA	-	-	-	-	-
199b_1	RNWH	N	M	UD	IM	-	-	-	-	-
199b_3	RNWH	N	M	UD	IM	-	-	-	-	-
199b_4	RNWH	N	UN	UN	UN	-	-	-	-	-
199b_5	RNWH	N	M	UD	IM	-	-	-	-	-
199c_1	RNWH	N	F	RI	MA	-	-	-	-	-
199c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
200c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
200d_1	RNWH	Y	M	UD	IM	-	-	-	-	-
200e_3	RNWH	Y	F	RI	MA	57	7.86	0.005	0.53	10755
200f_2	RNWH	N	UN	UN	UN	-	-	-	-	-
200f_3	RNWH	N	UN	UN	UN	-	-	-	-	-
200o_1	RNWH	N	UN	UN	UN	-	-	-	-	-
201b_1	RNWH	Y	M	UD	IM	-	-	-	-	-
201c_3	RNWH	Y	F	UD	IM	-	-	-	-	-
201e_2	RNWH	N	UN	UN	UN	-	-	-	-	-
201e_3	RNWH	N	UN	UN	UN	-	-	-	-	-
201e_4	RNWH	N	UN	UN	UN	-	-	-	-	-
201e_5	RNWH	N	M	UD	IM	-	-	-	-	-
201f_1	RNWH	N	UN	UN	UN	-	-	-	-	-
201g_2	RNWH	N	UN	UN	UN	-	-	-	-	-
202a_1	RNWH	Y	F	RI	MA	48.5	7.46	0.014	1.38	3514
205d_3	RNWH	N	UN	UN	UN	-	-	-	-	-
205j_1	RNWH	N	UN	UN	UN	-	-	-	-	-
206a_1	RNWH	N	F	RU	MA	-	-	-	-	-
206a_2	RNWH	N	F	RU	MA	-	-	-	-	-
206a_4	RNWH	N	UN	UN	UN	-	-	-	-	-
206a_5	RNWH	N	F	RU	MA	0.36	4.37	0.002	188 eggs	188
206a_6	RNWH	N	F	RU	MA	-	-	-	-	-
206a_10	RNWH	N	F	RU	MA	-	-	-	-	-
206a_11	RNWH	N	UN	UN	UN	-	-	-	-	-
206a_12	RNWH	N	UN	UN	UN	-	-	-	-	-
206a_13	RNWH	N	UN	UN	UN	-	-	-	-	-
206a_14	RNWH	N	F	RU	MA	-	-	-	-	-
206a_15	RNWH	N	UN	UN	UN	-	-	-	-	-
206a_16	RNWH	N	F	RU	MA	0.66	8.56	0.004	178 eggs	178
206a_17	RNWH	N	F	RU	MA	-	-	-	-	-
206a_19	RNWH	N	F	RU	MA	0.17	2.61	0.001	132 eggs	132
206a_20	RNWH	N	F	RU	MA	0.33	4.90	0.003	121 eggs	121
206b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
206b_2	RNWH	N	F	RI	MA	-	-	-	-	-
206b_3	RNWH	N	F	RI	MA	-	-	-	-	-
206b_4	RNWH	N	F	RI	MA	-	-	-	-	-
206b_5	RNWH	N	F	RI	MA	-	-	-	-	-
206b_6	RNWH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
206b_7	RNWH	N	F	RI	MA	-	-	-	-	-
206c_2	RNWH	N	F	RI	MA	-	-	-	-	-
206d_1	RNWH	N	F	RI	MA	-	-	-	-	-
206e_1	RNWH	N	F	RI	MA	-	-	-	-	-
206e_2	RNWH	N	F	RI	MA	-	-	-	-	-
206f_1	RNWH	N	F	RI	MA	-	-	-	-	-
206f_2	RNWH	N	F	RI	MA	-	-	-	-	-
206f_3	RNWH	N	F	RI	MA	-	-	-	-	-
206g_1	RNWH	N	UN	UN	UN	-	-	-	-	-
206g_4	RNWH	N	F	RI	MA	-	-	-	-	-
206g_5	RNWH	N	F	RI	MA	-	-	-	-	-
206h_2	RNWH	N	UN	UN	UN	-	-	-	-	-
206h_3	RNWH	N	F	RI	MA	-	-	-	-	-
206h_4	RNWH	N	UN	UN	UN	-	-	-	-	-
206h_5	RNWH	N	F	RI	MA	-	-	-	-	-
206h_6	RNWH	N	UN	UN	UN	-	-	-	-	-
206h_8	RNWH	N	F	RI	MA	-	-	-	-	-
206h_9	RNWH	N	F	RI	MA	-	-	-	-	-
206h_10	RNWH	N	M	RI	MA	-	-	-	-	-
206h_12	RNWH	N	UN	UN	UN	-	-	-	-	-
206h_13	RNWH	N	F	RI	MA	-	-	-	-	-
206h_14	RNWH	N	M	RI	MA	-	-	-	-	-
206i_6	RNWH	N	F	RI	MA	-	-	-	-	-
206i_7	RNWH	N	F	RI	MA	-	-	-	-	-
206k_2	RNWH	N	UN	UN	UN	-	-	-	-	-
206m_1	RNWH	N	F	RI	MA	-	-	-	-	-
206n_1	RNWH	N	F	UD	IM	-	-	-	-	-
206n_2	RNWH	N	F	RI	MA	-	-	-	-	-
206o_3	RNWH	N	F	RI	MA	-	-	-	-	-
206r_1	RNWH	N	UN	UN	UN	-	-	-	-	-
207a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
207b_9	RNWH	N	M	UD	IM	-	-	-	-	-
208a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
208a_2	RNWH	N	UN	UN	UN	-	-	-	-	-
208b_1	RNWH	N	M	RI	MA	-	-	-	-	-
209b_2	RNWH	N	UN	UN	UN	-	-	-	-	-
209b_3	RNWH	N	UN	UN	UN	-	-	-	-	-
209c_1	RNWH	Y	F	RI	MA	54	8.31	0.010	0.95	5684
209c_3	RNWH	N	UN	UN	UN	-	-	-	-	-
209c_4	RNWH	N	M	UD	IM	-	-	-	-	-
209m_1	RNWH	N	UN	UN	UN	-	-	-	-	-
210e_1	RNWH	N	UN	UN	UN	-	-	-	-	-
211a_4	RNWH	N	UN	UN	UN	-	-	-	-	-
211b_3	RNWH	N	UN	UN	UN	-	-	-	-	-
211b_4	RNWH	N	M	UD	IM	-	-	-	-	-
211c_2	RNWH	N	UN	UN	UN	-	-	-	-	-
211e_2	RNWH	N	M	UD	IM	-	-	-	-	-
214b_2	RNWH	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
214k_3	RNWH	N	F	UD	IM	-	-	-	-	-
215e_1	RNWH	N	UN	UN	UN	-	-	-	-	-
215e_2	RNWH	N	UN	UN	UN	-	-	-	-	-
216l_2	RNWH	N	UN	UN	UN	-	-	-	-	-
218j_2	RNWH	N	UN	UD	IM	-	-	-	-	-
219b_1	RNWH	N	M	RU	MA	-	-	-	-	-
219d_1	RNWH	N	UN	UN	UN	-	-	-	-	-
220d_2	RNWH	N	M	RI	MA	-	-	-	-	-
220h_1	RNWH	N	F	UD	IM	-	-	-	-	-
220j_2	RNWH	N	UN	UN	UN	-	-	-	-	-
220l_1	RNWH	N	UN	UN	UN	-	-	-	-	-
220n_1	RNWH	N	UN	UN	UN	-	-	-	-	-
221c_1	RNWH	N	F	UD	IM	-	-	-	-	-
222c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
224c_1	RNWH	N	UN	UN	UN	-	-	-	-	-
226a_1	RNWH	N	UN	UD	IM	-	-	-	-	-
230a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
230b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
230b_4	RNWH	N	UN	UN	UN	-	-	-	-	-
230d_1	RNWH	N	F	UD	IM	-	-	-	-	-
230d_6	RNWH	N	UN	UN	UN	-	-	-	-	-
231a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
231b_2	RNWH	N	F	RU	MA	-	-	-	-	-
231c_2	RNWH	N	F	RU	MA	-	-	-	-	-
231c_3	RNWH	N	F	RU	MA	-	-	-	-	-
232a_1	RNWH	N	UN	UN	UN	-	-	-	-	-
232b_1	RNWH	N	UN	UN	UN	-	-	-	-	-
232c_5	RNWH	N	F	UD	IM	-	-	-	-	-
027b_1	BURB	N	UN	UN	UN	-	-	-	-	-
027c_1	BURB	N	UN	UN	UN	-	-	-	-	-
028b_4	BURB	N	UN	UN	UN	-	-	-	-	-
040a	BURB	N	UN	UN	UN	-	-	-	-	-
045c_3	BURB	N	F	RI	MA	-	-	-	-	-
046c_5	BURB	N	UN	UN	UN	-	-	-	-	-
049a_12	BURB	N	UN	UN	UN	-	-	-	-	-
049a_21	BURB	N	F	RI	MA	-	-	-	-	-
050a_4	BURB	N	UN	UN	UN	-	-	-	-	-
050a_12	BURB	N	UN	UN	UN	-	-	-	-	-
051a_2	BURB	N	M	UD	IM	-	-	-	-	-
051a_13	BURB	N	F	UD	IM	-	-	-	-	-
052a_9	BURB	N	M	RI	MA	-	-	-	-	-
052a_10	BURB	N	F	RI	MA	-	-	-	-	-
052a_13	BURB	N	UN	UN	UN	-	-	-	-	-
052a_14	BURB	N	UN	UN	UN	-	-	-	-	-
053a_2	BURB	N	M	RI	MA	-	-	-	-	-
053a_3	BURB	N	F	RI	MA	-	-	-	-	-
053a_4	BURB	N	M	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
053a_5	BURB	N	F	UD	IM	-	-	-	-	-
057a_2	BURB	N	UN	UN	UN	-	-	-	-	-
057a_3	BURB	N	F	RI	MA	-	-	-	-	-
057a_4	BURB	N	F	UN		-	-	-	-	-
057a_5	BURB	N	F	UD	IM	-	-	-	-	-
058a_2	BURB	N	F	UD	IM	-	-	-	-	-
058a_3	BURB	N	UN	UN	UN	-	-	-	-	-
059a_1	BURB	N	F	UD	IM	-	-	-	-	-
059a_3	BURB	N	F	RI	MA	-	-	-	-	-
062a_9	BURB	N	F	UD	IM	-	-	-	-	-
062a_10	BURB	N	UN	UN	UN	-	-	-	-	-
063a_1	BURB	N	UN	UN	UN	-	-	-	-	-
064a_1	BURB	N	UN	UN	UN	-	-	-	-	-
065b_1	BURB	N	UN	UN	UN	-	-	-	-	-
065b_2	BURB	N	F	RI	MA	-	-	-	-	-
067a_1	BURB	N	UN	UN	UN	-	-	-	-	-
067a_3	BURB	N	UN	UN	UN	-	-	-	-	-
067b_1	BURB	N	UN	UN	UN	-	-	-	-	-
067c_4	BURB	N	F	UD	IM	-	-	-	-	-
067c_5	BURB	N	UN	UN	UN	-	-	-	-	-
067c_6	BURB	N	F	UD	IM	-	-	-	-	-
067d_1	BURB	N	UN	UN	UN	-	-	-	-	-
067d_2	BURB	N	UN	UN	UN	-	-	-	-	-
069a_2	BURB	N	UN	UD	IM	-	-	-	-	-
069a_3	BURB	N	UN	UD	IM	-	-	-	-	-
069a_4	BURB	N	UN	UN	UN	-	-	-	-	-
069a_5	BURB	N	UN	UN	UN	-	-	-	-	-
069a_6	BURB	N	UN	UN	UN	-	-	-	-	-
069b_1	BURB	N	UN	UN	UN	-	-	-	-	-
070a_3	BURB	N	F	RI	MA	-	-	-	-	-
072b_6	BURB	N	UN	UN	UN	-	-	-	-	-
073a_1	BURB	N	F	UD	IM	-	-	-	-	-
073b_4	BURB	N	UN	UN	UN	-	-	-	-	-
074b_4	BURB	N	UN	UN	UN	-	-	-	-	-
075a_1	BURB	N	UN	UN	UN	-	-	-	-	-
075b_1	BURB	N	UN	UN	UN	-	-	-	-	-
075b_2	BURB	N	UN	UN	UN	-	-	-	-	-
075b_3	BURB	N	UN	UN	UN	-	-	-	-	-
075b_5	BURB	N	UN	UN	UN	-	-	-	-	-
076b_1	BURB	N	UN	UN	UN	-	-	-	-	-
080a_3	BURB	N	UN	UN	UN	-	-	-	-	-
080a_4	BURB	N	F	UD	IM	-	-	-	-	-
081a_3	BURB	N	M	UD	IM	-	-	-	-	-
081a_5	BURB	N	UN	UN	UN	-	-	-	-	-
081a_8	BURB	N	UN	UN	UN	-	-	-	-	-
084a_2	BURB	N	F	UD	IM	-	-	-	-	-
084a_3	BURB	N	F	UD	IM	-	-	-	-	-
084a_4	BURB	N	M	RI	MA	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
084a_5	BURB	N	F	UD	IM	-	-	-	-	-
084a_6	BURB	N	F	UD	IM	-	-	-	-	-
085a_1	BURB	N	F	UD	IM	-	-	-	-	-
085a_3	BURB	N	UN	UN	UN	-	-	-	-	-
087a_3	BURB	N	F	UD	IM	-	-	-	-	-
093a_6	BURB	N	F	RI	MA	-	-	-	-	-
094a_4	BURB	N	UN	UN	UN	-	-	-	-	-
097a_9	BURB	N	F	UD	IM	-	-	-	-	-
098a_10	BURB	N	F	UD	IM	-	-	-	-	-
099a_1	BURB	N	F	UD	IM	-	-	-	-	-
099a_2	BURB	N	UN	UN	UN	-	-	-	-	-
099a_3	BURB	N	UN	UN	UN	-	-	-	-	-
099a_5	BURB	N	UN	UN	UN	-	-	-	-	-
101a_1	BURB	N	UN	UN	UN	-	-	-	-	-
108a_2	BURB	N	M	RI	MA	-	-	-	-	-
109a_2	BURB	N	M	UD	IM	-	-	-	-	-
109a_3	BURB	N	M	UD	IM	-	-	-	-	-
109a_5	BURB	N	UN	UN	UN	-	-	-	-	-
109a_7	BURB	N	F	UD	IM	-	-	-	-	-
109b_1	BURB	N	UN	UN	UN	-	-	-	-	-
110a_4	BURB	N	UN	UN	UN	-	-	-	-	-
111a_1	BURB	N	UN	UN	UN	-	-	-	-	-
112a_1	BURB	N	UN	UN	UN	-	-	-	-	-
112a_2	BURB	N	F	UD	IM	-	-	-	-	-
112a_3	BURB	N	UN	UN	UN	-	-	-	-	-
113a_1	BURB	N	F	UD	IM	-	-	-	-	-
114a_1	BURB	N	UN	UN	UN	-	-	-	-	-
115a_1	BURB	N	F	UD	IM	-	-	-	-	-
120a_3	BURB	N	UN	UN	UN	-	-	-	-	-
123a_2	BURB	N	UN	UN	UN	-	-	-	-	-
125a_2	BURB	N	UN	UN	UN	-	-	-	-	-
125a_3	BURB	N	UN	UN	UN	-	-	-	-	-
126a_1	BURB	N	M	UD	IM	-	-	-	-	-
126a_2	BURB	N	UN	UN	UN	-	-	-	-	-
126a_3	BURB	N	UN	UN	UN	-	-	-	-	-
126a_4	BURB	N	UN	UN	UN	-	-	-	-	-
126a_6	BURB	N	UN	UN	UN	-	-	-	-	-
127a_1	BURB	N	F	RI	MA	-	-	-	-	-
129a_1	BURB	N	UN	UN	UN	-	-	-	-	-
129a_2	BURB	N	UN	UN	UN	-	-	-	-	-
130a_2	BURB	N	UN	UN	UN	-	-	-	-	-
131a_1	BURB	N	M	RI	MA	-	-	-	-	-
133a_1	BURB	N	UN	UN	UN	-	-	-	-	-
135a_2	BURB	N	UN	UN	UN	-	-	-	-	-
135a_4	BURB	N	UN	UN	UN	-	-	-	-	-
137a_1	BURB	N	F	RI	MA	-	-	-	-	-
137a_2	BURB	N	UN	UN	UN	-	-	-	-	-
137a_3	BURB	N	M	UD	IM	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
137a_4	BURB	N	F	RI	MA	-	-	-	-	-
139a_3	BURB	N	UN	UN	UN	-	-	-	-	-
144a_4	BURB	N	F	UN	UN	-	-	-	-	-
144a_5	BURB	N	F	RI	MA	-	-	-	-	-
147b_1	BURB	N	UN	UN	UN	-	-	-	-	-
147b_2	BURB	N	UN	UN	UN	-	-	-	-	-
148a_2	BURB	N	UN	UN	UN	-	-	-	-	-
152a_2	BURB	N	UN	UN	UN	-	-	-	-	-
154a_3	BURB	N	UN	UN	UN	-	-	-	-	-
154a_4	BURB	N	UN	UN	UN	-	-	-	-	-
161c_4	BURB	N	UN	UN	UN	-	-	-	-	-
163a_2	BURB	N	UN	UN	UN	-	-	-	-	-
163b_1	BURB	N	UN	UN	UN	-	-	-	-	-
163c_1	BURB	N	UN	UN	UN	-	-	-	-	-
163c_2	BURB	N	UN	UN	UN	-	-	-	-	-
164a_1	BURB	N	F	RI	MA	-	-	-	-	-
164d_1	BURB	N	UN	UN	UN	-	-	-	-	-
164m_13	BURB	N	M	UD	IM	-	-	-	-	-
166a_3	BURB	N	UN	UN	UN	-	-	-	-	-
166b_1	BURB	N	UN	UN	UN	-	-	-	-	-
166b_2	BURB	N	UN	UN	UN	-	-	-	-	-
167a_1	BURB	N	UN	UN	UN	-	-	-	-	-
167d_1	BURB	N	UN	UN	UN	-	-	-	-	-
168a_1	BURB	N	UN	UN	UN	-	-	-	-	-
168a_2	BURB	N	UN	UN	UN	-	-	-	-	-
168a_3	BURB	N	UN	UN	UN	-	-	-	-	-
168b_1	BURB	N	UN	UN	UN	-	-	-	-	-
168b_2	BURB	N	UN	UN	UN	-	-	-	-	-
168b_3	BURB	N	UN	UN	UN	-	-	-	-	-
169a_1	BURB	N	F	UN	UN	-	-	-	-	-
169b_1	BURB	N	UN	UN	UN	-	-	-	-	-
169c_1	BURB	N	UN	UN	UN	-	-	-	-	-
169d_1	BURB	N	UN	UN	UN	-	-	-	-	-
169e_1	BURB	N	UN	UN	UN	-	-	-	-	-
170a_3	BURB	N	UN	UN	UN	-	-	-	-	-
174c_5	BURB	N	F	UD	IM	-	-	-	-	-
174c_6	BURB	N	UN	UN	UN	-	-	-	-	-
178a_1	BURB	N	UN	UN	UN	-	-	-	-	-
178a_2	BURB	N	UN	UN	UN	-	-	-	-	-
179c_3	BURB	N	UN	UN	UN	-	-	-	-	-
180d_3	BURB	N	UN	UN	UN	-	-	-	-	-
180f_1	BURB	N	UN	UN	UN	-	-	-	-	-
180h_1	BURB	N	M	UD	IM	-	-	-	-	-
180h_2	BURB	N	UN	UN	UN	-	-	-	-	-
181c_1	BURB	N	UN	UN	UN	-	-	-	-	-
182a_2	BURB	N	UN	UN	UN	-	-	-	-	-
182b_1	BURB	N	UN	UN	UN	-	-	-	-	-
182c_1	BURB	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
182e_1	BURB	N	F	RI	MA	-	-	-	-	-
182h_2	BURB	N	UN	UN	UN	-	-	-	-	-
182h_3	BURB	N	M	UD	IM	-	-	-	-	-
182i_1	BURB	N	UN	UN	UN	-	-	-	-	-
182i_2	BURB	N	UN	UN	UN	-	-	-	-	-
184a_6	BURB	N	UN	UN	UN	-	-	-	-	-
184b_1	BURB	N	UN	UN	UN	-	-	-	-	-
186b_2	BURB	N	UN	UN	UN	-	-	-	-	-
186c_5	BURB	N	UN	UN	UN	-	-	-	-	-
186d_1	BURB	N	UN	UN	UN	-	-	-	-	-
186f_1	BURB	N	UN	UN	UN	-	-	-	-	-
186g_1	BURB	N	UN	UN	UN	-	-	-	-	-
186k_1	BURB	N	UN	UN	UN	-	-	-	-	-
186l_1	BURB	N	UN	UN	UN	-	-	-	-	-
186l_2	BURB	N	UN	UN	UN	-	-	-	-	-
189b_1	BURB	N	UN	UN	UN	-	-	-	-	-
189b_2	BURB	N	UN	UN	UN	-	-	-	-	-
189b_3	BURB	N	UN	UN	UN	-	-	-	-	-
189c_2	BURB	N	UN	UN	UN	-	-	-	-	-
189d_1	BURB	N	UN	UN	UN	-	-	-	-	-
189g_1	BURB	N	UN	UN	UN	-	-	-	-	-
189i_1	BURB	N	UN	UN	UN	-	-	-	-	-
189k_1	BURB	N	UN	UN	UN	-	-	-	-	-
190a_2	BURB	N	F	UD	IM	-	-	-	-	-
190e_9	BURB	N	UN	UN	UN	-	-	-	-	-
191b_3	BURB	N	UN	UN	UN	-	-	-	-	-
192b_1	BURB	N	M	RI	MA	-	-	-	-	-
194a_1	BURB	N	UN	UN	UN	-	-	-	-	-
196d_2	BURB	N	UN	UN	UN	-	-	-	-	-
197b_1	BURB	N	UN	UN	UN	-	-	-	-	-
198q_4	BURB	N	F	UD	IM	-	-	-	-	-
201d_2	BURB	N	F	RI	MA	-	-	-	-	-
203d_1	BURB	N	UN	UN	UN	-	-	-	-	-
203d_3	BURB	N	UN	UN	UN	-	-	-	-	-
204c_2	BURB	N	UN	UN	UN	-	-	-	-	-
204e_1	BURB	N	UN	UN	UN	-	-	-	-	-
206a_8	BURB	N	UN	UN	UN	-	-	-	-	-
206c_1	BURB	N	UN	UN	UN	-	-	-	-	-
209d_2	BURB	N	UN	UN	UN	-	-	-	-	-
214c_2	BURB	N	UN	UN	UN	-	-	-	-	-
214j_2	BURB	N	UN	UN	UN	-	-	-	-	-
216j_1	BURB	N	M	UN		-	-	-	-	-
217g_1	BURB	N	UN	UN	UN	-	-	-	-	-
217g_2	BURB	N	UN	UN	UN	-	-	-	-	-
218d_1	BURB	N	F	UD	IM	-	-	-	-	-
218e_1	BURB	N	M	UD	IM	-	-	-	-	-
218e_2	BURB	N	UN	UN	UN	-	-	-	-	-
218g_1	BURB	N	UN	UN	UN	-	-	-	-	-

Sample ID	Species Code	DBA ¹	Sex	Reproductive Status	Maturity	Ovary Weight	GSI	Average Weight of One Egg	Weight of 100 Eggs	Total # Eggs
net.set_fish		(Y/N)	(M/F)	Code	Code	(g)	%	(g)	(g)	n
218g_2	BURB	N	UN	UN	UN	-	-	-	-	-
218h_1	BURB	N	UN	UN	UN	-	-	-	-	-
218j_1	BURB	N	UN	UN	UN	-	-	-	-	-
218j_4	BURB	N	UN	UN	UN	-	-	-	-	-
218j_5	BURB	N	UN	UN	UN	-	-	-	-	-
220a_1	BURB	N	UN	UN	UN	-	-	-	-	-
220b_1	BURB	N	F	RI	MA	-	-	-	-	-
220d_1	BURB	N	UN	UN	UN	-	-	-	-	-
220d_3	BURB	N	UN	UN	UN	-	-	-	-	-
220i_2	BURB	N	UN	UN	UN	-	-	-	-	-
220j_1	BURB	N	UN	UN	UN	-	-	-	-	-
221c_4	BURB	N	UN	UN	UN	-	-	-	-	-
222d_1	BURB	N	UN	UN	UN	-	-	-	-	-
222d_2	BURB	N	UN	UN	UN	-	-	-	-	-
225b_1	BURB	N	UN	UN	UN	-	-	-	-	-
226d_1	BURB	N	UN	UN	UN	-	-	-	-	-
226d_2	BURB	N	UN	UN	UN	-	-	-	-	-
230b_2	BURB	N	UN	UN	UN	-	-	-	-	-
230b_3	BURB	N	UN	UN	UN	-	-	-	-	-
230d_2	BURB	N	UN	UN	UN	-	-	-	-	-
230d_4	BURB	N	UN	UN	UN	-	-	-	-	-
231b_1	BURB	N	UN	UN	UN	-	-	-	-	-
231c_1	BURB	N	UN	UN	UN	-	-	-	-	-
233b_1	BURB	N	UN	UN	UN	-	-	-	-	-
233b_2	BURB	N	UN	UN	UN	-	-	-	-	-
164c_3	NSST	N	UN	UN	UN	-	-	-	-	-
175b_1	NSST	N	UN	UD	IM	-	-	-	-	-
187b_4	NSST	N	UN	UD	IM	-	-	-	-	-
050a_1	<i>Salvelinus sp.</i>	N	M	RI	MA	-	-	-	-	-
077b_10	<i>Salvelinus sp.</i>	N	F	RI	MA	-	-	-	-	-
097a_6	<i>Salvelinus sp.</i>	N	M	RI	MA	-	-	-	-	-
134a_1	<i>Salvelinus sp.</i>	N	F	RI	MA	-	-	-	-	-
193b_17	<i>Salvelinus sp.</i>	N	F	RI	MA	-	-	-	-	-
194f_5	<i>Salvelinus sp.</i>	N	F	RI	MA	-	-	-	-	-

Notes:

1-DBA = detailed biological assessment

UN = Unknown, nd = no data

Sex: F = female, M = male

Reproductive Status: UD = undeveloped, RI = ripe, RU = running, RE = resting, SP = Spent

Maturity: MA = mature, IM = immature

Species: ARCH = Arctic Char; LKTR = Lake Trout; RNWH = Round Whitefish; BURB = Burbot; NSSB = Ninespine Stickleback

* GSI not calculated as body weight was not reliable or other

Appendix 5.3. Stomach, liver and muscle sample information from individual Arctic Char, Lake Trout and Round Whitefish captured during the fish-out of the Bay-Goose Basin, 2010.

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
001a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
002a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
002a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
002a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
002a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
002b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
002b_5	ARCH	N	-	-	-	-	-	N	N	N	N	
002b_6	ARCH	N	-	-	-	-	-	N	N	N	N	
002c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
002c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
002c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
003a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
003b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
003c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
003c_4	ARCH	N	-	-	-	-	-	N	N	N	N	
003c_5	ARCH	N	-	-	-	-	-	N	N	N	N	
005a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
005a_6	ARCH	Y	13.71	2.06	25	40.85	2.09	Y	Y	Y	Y	
007a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
007a_2	ARCH	Y	2.737	0.82	25	1.70	0.85	Y	Y	Y	Y	cysts on stomach
007a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
007a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
007a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
008a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
008a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
008c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
008c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
009a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
009b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
009b_5	ARCH	N	-	-	-	-	-	N	N	N	N	
010b_3	ARCH	Y	2.264	0.441	25	0.94	0.94	Y	Y	Y	Y	
010b_4	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
012b_2	ARCH	Y	2.841	0.814	25	2.17	1.09	Y	Y	Y	Y	cysts on stomach
012c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
013c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
015b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
016a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
016a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
016d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
017a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
017b_2	ARCH	N	-	-	-	-	-	N	N	N	N	weight unreliable
017c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
018b_3	ARCH	Y	2.164	1.342	100	0.73	-	Y	N	Y	N	
018b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
019b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
019b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
020a_1	ARCH	Y	0.816	0.447	50	0.24	0.48	Y	N	Y	N	
020b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
021a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
021a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
021a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
021a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
021a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
021c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
021c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
022b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
022c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
023d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
024a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
024a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
024b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
024d_2	ARCH	N	-	-	-	-	-	N	N	N	N	
024d_3	ARCH	N	-	-	-	-	-	N	N	N	N	
024d_4	ARCH	N	-	-	-	-	-	N	N	N	N	
024d_5	ARCH	N	-	-	-	-	-	N	N	N	N	
025c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
027b_2	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
028a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
028a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
028a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
028b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
028b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
028c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
029a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
029c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
030a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
030a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
031a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
031b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
031b_6	ARCH	N	-	-	-	-	-	N	N	N	N	
032b_1	ARCH	Y	2.495	0.52	25	1.73	0.99	Y	Y	Y	Y	stomach parasites
033b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
033c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
034a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
034a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
034a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
034a_4	ARCH	Y	3.49	1.512	100	1.48	0.99	Y	Y	Y	Y	
034b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
035b_5	ARCH	N	-	-	-	-	-	N	N	N	N	
035b_6	ARCH	N	-	-	-	-	-	N	N	N	N	
035b_7	ARCH	N	-	-	-	-	-	N	N	N	N	
036a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
036c_2	ARCH	Y	4.472	3.092	100	1.52	1.01	Y	Y	Y	Y	cysts on stomach
036c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
037b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
038c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
039a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
039b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
039b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
039b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
039c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
039c_2	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
043a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
043b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
043c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
043c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
043c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
043c_5	ARCH	N	-	-	-	-	-	N	N	N	N	
044b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
044b_2	ARCH	Y	0.518	0.1	12.5	0.27	1.08	Y	N	Y	N	
044b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
045c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
045c_8	ARCH	N	-	-	-	-	-	N	N	N	N	
045c_9	ARCH	N	-	-	-	-	-	N	N	N	N	
045c_10	ARCH	N	-	-	-	-	-	N	N	N	N	
046b_3	ARCH	Y	0.528	0.251	100	0.31	1.24	Y	N	Y	N	
046b_4	ARCH	Y	0.825	0.507	100	0.17	0.68	Y	N	Y	N	
046b_5	ARCH	Y	2.292	1.339	100	0.87	1.16	Y	N	Y	N	
046c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
046c_8	ARCH	N	-	-	-	-	-	N	N	N	N	
046c_9	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
048a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
048a_9	ARCH	Y	2.935	0.772	25	1.80	0.90	Y	Y	Y	Y	
048a_13	ARCH	Y	0.983	0.353	75	0.80	0.80	Y	N	Y	N	
048a_14	ARCH	Y	0.913	0.093	25	0.69	0.69	Y	N	Y	N	tape worm in stomach
048a_15	ARCH	Y	2.31	1.36	100	0.85	1.13	Y	N	Y	N	
048a_16	ARCH	Y	0.698	0.033	< 12.5	0.51	0.68	Y	N	Y	N	
048a_18	ARCH	N	-	-	-	-	-	N	N	N	N	
048a_19	ARCH	Y	1.654	0.533	75	0.82	0.66	Y	N	Y	N	
048a_20	ARCH	N	-	-	-	-	-	N	N	N	N	
048a_21	ARCH	N	-	-	-	-	-	N	N	N	N	
048a_23	ARCH	N	-	-	-	-	-	N	N	N	N	
048a_24	ARCH	N	-	-	-	-	-	N	N	N	N	
048a_25	ARCH	N	-	-	-	-	-	N	N	N	N	
048a_28	ARCH	Y	1.403	0.01	< 12.5	1.27	0.73	Y	Y	Y	Y	
048a_29	ARCH	Y	5.655	0.316	12.5	3.06	0.87	Y	Y	Y	Y	cysts on stomach
049a_4	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
049a_5	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
049a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
049a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
049a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
049a_14	ARCH	N	-	-	-	-	-	N	N	N	N	
049a_16	ARCH	N	-	-	-	-	-	N	N	N	N	
049a_17	ARCH	N	-	-	-	-	-	N	N	N	N	
049a_20	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf; kept frozen
050a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
050a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
050a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
050a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
051a_5	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
051a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
051a_9	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
051a_10	ARCH	N	-	-	-	-	-	N	N	N	N	
051a_11	ARCH	N	-	-	-	-	-	N	N	N	N	
051a_12	ARCH	N	-	-	-	-	-	N	N	N	N	
051a_17	ARCH	N	-	-	-	-	-	N	N	N	N	
051a_18	ARCH	N	-	-	-	-	-	N	N	N	N	
051a_19	ARCH	N	-	-	-	-	-	N	N	N	N	
052a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
052a_17	ARCH	Y	0.871	0.654	50	0.33	1.27	Y	N	Y	N	
052a_18	ARCH	N	-	-	-	-	-	N	N	N	N	
052a_19	ARCH	N	-	-	-	-	-	N	N	N	N	
052a_20	ARCH	N	-	-	-	-	-	N	N	N	N	
052a_21	ARCH	N	-	-	-	-	-	N	N	N	N	
055a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
055a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
055a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
055a_11	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_8	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
056a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_12	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_13	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_14	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_16	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_18	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_19	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_20	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_21	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_24	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_25	ARCH	N	-	-	-	-	-	N	N	N	N	
056a_27	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf; many cysts on gut wall
056a_28	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
056a_29	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf, has eggs but not fully developed
058a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
059a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
059a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
060a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
062a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
062a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
062a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
062a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
062a_7	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
062a_11	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
062a_16	ARCH	N	-	-	-	-	-	N	N	N	N	
062a_19	ARCH	N	-	-	-	-	-	N	N	N	N	
065b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
065b_5	ARCH	N	-	-	-	-	-	N	N	N	N	
065c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
065c_4	ARCH	N	-	-	-	-	-	N	N	N	N	
066a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
066a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
066a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
066a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
066b_1	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
066b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_6	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_9	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_10	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_12	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_13	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_15	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_16	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_17	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_19	ARCH	N	-	-	-	-	-	N	N	N	N	
066c_20	ARCH	N	-	-	-	-	-	N	N	N	N	ripped head
066c_22	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
066d_3	ARCH	N	-	-	-	-	-	N	N	N	N	
066d_5	ARCH	N	-	-	-	-	-	N	N	N	N	
069a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
070a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
070a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
071a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
071a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
071a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
071a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
072b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
072b_2	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
072b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
072b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
073b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
073b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
074a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
074b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
075b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
076b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
077a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
077a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
077a_5	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
077b_8	ARCH	N	-	-	-	-	-	N	N	N	N	
077b_9	ARCH	N	-	-	-	-	-	N	N	N	N	
077b_11	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
078a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
078a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
078a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
078a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
078a_10	ARCH	N	-	-	-	-	-	N	N	N	N	
079a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
080a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
080a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
081a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
081a_11	ARCH	N	-	-	-	-	-	N	N	N	N	
081a_14	ARCH	N	-	-	-	-	-	N	N	N	N	
081a_18	ARCH	N	-	-	-	-	-	N	N	N	N	
081a_19	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
082a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
082a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
082a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
082a_6	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
082a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
082a_8	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
082a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
082a_10	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
083a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
083a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
083a_3	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
083a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
086a_1	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
086a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
086a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
086a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
086a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
087a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
087a_2	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
087a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
087a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
088a_7	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
088a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
089a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
089a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
089a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
090a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
091a_3	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
091a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
091a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
091a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
092a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
092a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
092a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
092a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
092a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
092a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
092a_7	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
092a_9	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
094a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
094a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
095a_2	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf; cysts on stomach
095a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
095a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
095a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
095a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
095a_10	ARCH	N	-	-	-	-	-	N	N	N	N	
095a_11	ARCH	N	-	-	-	-	-	N	N	N	N	
095a_13	ARCH	N	-	-	-	-	-	N	N	N	N	
095a_16	ARCH	N	-	-	-	-	-	N	N	N	N	
095a_17	ARCH	N	-	-	-	-	-	N	N	N	N	
096a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
096a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
096a_5	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
096a_8	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
096a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
096a_10	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
096a_12	ARCH	N	-	-	-	-	-	N	N	N	N	
096a_13	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
096a_15	ARCH	N	-	-	-	-	-	N	N	N	N	
097a_7	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
097a_8	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
100a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
100a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
101a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
101a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
101a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
102a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
102a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
102a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
102a_5	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
102a_6	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
105a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
105a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
105a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
105a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
105a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
106a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
107a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
108a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
108a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
108a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
108a_10	ARCH	N	-	-	-	-	-	N	N	N	N	
108a_12	ARCH	N	-	-	-	-	-	N	N	N	N	
108a_15	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
108b_3	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
109a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
110a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
110a_6	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
110b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
112a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
116a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
116a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
117a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
117a_6	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
120a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
120a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
120a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
123a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
124a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
126a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
126a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
126a_10	ARCH	N	-	-	-	-	-	N	N	N	N	
128a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
128a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
128a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
128a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
132a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
132a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
132a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
132a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
134a_2	ARCH	Y	0.688	0.235	100	0.25	1.32	Y	N	Y	N	dwarf (pic 724-726)
134a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
134a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
134a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
135a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
135a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
136a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
136a_2	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
136a_4	ARCH	Y	0.608	0.04	12.5	0.18	0.90	Y	N	Y	N	dwarf
138a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
138a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
139a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
139a_2	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
141a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
143a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
143a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
143a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
145a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
146a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
146a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
146a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
146a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
146a_6	ARCH	Y	1.812	1.001	100	0.94	-	Y	Y	Y	Y	dwarf; GSI not calculated as weight was unreliable
148a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
148a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
149a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
150a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
150a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
150a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
151a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
151a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
151a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
151a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
151a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
152a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
154a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
154a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
159a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
161b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
161b_5	ARCH	N	-	-	-	-	-	N	N	N	N	
161b_6	ARCH	N	-	-	-	-	-	N	N	N	N	
161b_8	ARCH	N	-	-	-	-	-	N	N	N	N	
161d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
161d_2	ARCH	N	-	-	-	-	-	N	N	N	N	
162c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
162c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
162c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
162d_1	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
162e_1	ARCH	N	-	-	-	-	-	N	N	N	N	
162e_2	ARCH	N	-	-	-	-	-	N	N	N	N	
162f_1	ARCH	N	-	-	-	-	-	N	N	N	N	
162f_3	ARCH	N	-	-	-	-	-	N	N	N	N	
164a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
164b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
164c_9	ARCH	N	-	-	-	-	-	N	N	N	N	
164c_10	ARCH	N	-	-	-	-	-	N	N	N	N	
164c_11	ARCH	N	-	-	-	-	-	N	N	N	N	
164c_12	ARCH	N	-	-	-	-	-	N	N	N	N	
164c_13	ARCH	N	-	-	-	-	-	N	N	N	N	
164c_14	ARCH	N	-	-	-	-	-	N	N	N	N	
164c_15	ARCH	N	-	-	-	-	-	N	N	N	N	
164c_16	ARCH	N	-	-	-	-	-	N	N	N	N	
164d_2	ARCH	N	-	-	-	-	-	N	N	N	N	
164d_6	ARCH	N	-	-	-	-	-	N	N	N	N	
164d_8	ARCH	N	-	-	-	-	-	N	N	N	N	
164e_2	ARCH	Y	1.466	0.231	25	0.93	0.93	Y	N	Y	N	many large cysts on stomach
164f_2	ARCH	N	-	-	-	-	-	N	N	N	N	
164f_3	ARCH	N	-	-	-	-	-	N	N	N	N	
164h_5	ARCH	N	-	-	-	-	-	N	N	N	N	
164i_3	ARCH	N	-	-	-	-	-	N	N	N	N	
164i_5	ARCH	N	-	-	-	-	-	N	N	N	N	
164i_6	ARCH	N	-	-	-	-	-	N	N	N	N	
164i_9	ARCH	N	-	-	-	-	-	N	N	N	N	
164j_1	ARCH	N	-	-	-	-	-	N	N	N	N	
164j_2	ARCH	N	-	-	-	-	-	N	N	N	N	
164k_1	ARCH	N	-	-	-	-	-	N	N	N	N	
164l_2	ARCH	N	-	-	-	-	-	N	N	N	N	
164m_1	ARCH	N	-	-	-	-	-	N	N	N	N	
164m_2	ARCH	N	-	-	-	-	-	N	N	N	N	
164m_6	ARCH	N	-	-	-	-	-	N	N	N	N	
164m_10	ARCH	N	-	-	-	-	-	N	N	N	N	
164m_11	ARCH	N	-	-	-	-	-	N	N	N	N	
164m_12	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
166a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
166a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
167a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
170a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
170a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
171a_1	ARCH	Y	0.125	0.018	50	0.23	0.92	Y	N	Y	N	dwarf; unable to retrieve otoliths
172a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
172a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
172a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
172a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
172a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
172a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
174b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
174b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
174c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
174c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
174c_3	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
174c_4	ARCH	N	-	-	-	-	-	N	N	N	N	
176a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
177b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
177d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
178a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
179a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
179a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
179b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
179c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
179c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
179c_6	ARCH	N	-	-	-	-	-	N	N	N	N	
179c_7	ARCH	N	-	-	-	-	-	N	N	N	N	
179c_8	ARCH	N	-	-	-	-	-	N	N	N	N	
180c_1	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
180d_5	ARCH	N	-	-	-	-	-	N	N	N	N	
182h_1	ARCH	N	-	-	-	-	-	N	N	N	N	
183b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
183e_1	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
183f_2	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
183f_3	ARCH	N	-	-	-	-	-	N	N	N	N	
184a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
184a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
184a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
185b_1	ARCH	N	-	-	-	-	-	N	N	N	N	cysts on stomach dwarf (absorbing eggs; not going to spawn)
185b_3	ARCH	Y	1.723	0.451	25	1.00	0.80	Y	Y	Y	Y	
185d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
185d_2	ARCH	N	-	-	-	-	-	N	N	N	N	
185g_2	ARCH	N	-	-	-	-	-	N	N	N	N	
185j_1	ARCH	N	-	-	-	-	-	N	N	N	N	
186h_1	ARCH	N	-	-	-	-	-	N	N	N	N	
186i_1	ARCH	N	-	-	-	-	-	N	N	N	N	
186o_1	ARCH	N	-	-	-	-	-	N	N	N	N	
186o_2	ARCH	N	-	-	-	-	-	N	N	N	N	
186o_3	ARCH	N	-	-	-	-	-	N	N	N	N	
187i_1	ARCH	N	-	-	-	-	-	N	N	N	N	
190a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
190a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
190a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
190a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
190a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
190a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
190a_10	ARCH	N	-	-	-	-	-	N	N	N	N	
190a_11	ARCH	N	-	-	-	-	-	N	N	N	N	
190b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
190b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
190b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
190b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
190b_5	ARCH	N	-	-	-	-	-	N	N	N	N	
190b_6	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_4	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
190c_5	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_6	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_7	ARCH	Y	0.45	0.06	25	0.17	0.68	Y	N	Y	N	dwarf
190c_8	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_9	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_11	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_12	ARCH	N	-	-	-	-	-	N	N	N	N	
190c_13	ARCH	N	-	-	-	-	-	N	N	N	N	
190d_4	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
190d_5	ARCH	N	-	-	-	-	-	N	N	N	N	
190d_6	ARCH	N	-	-	-	-	-	N	N	N	N	
190d_7	ARCH	N	-	-	-	-	-	N	N	N	N	
190d_8	ARCH	N	-	-	-	-	-	N	N	N	N	
190d_9	ARCH	N	-	-	-	-	-	N	N	N	N	
190d_10	ARCH	N	-	-	-	-	-	N	N	N	N	
190d_11	ARCH	N	-	-	-	-	-	N	N	N	N	
190d_12	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
190d_13	ARCH	N	-	-	-	-	-	N	N	N	N	
190d_14	ARCH	N	-	-	-	-	-	N	N	N	N	
190e_2	ARCH	N	-	-	-	-	-	N	N	N	N	
190e_3	ARCH	N	-	-	-	-	-	N	N	N	N	
190e_4	ARCH	N	-	-	-	-	-	N	N	N	N	
190e_5	ARCH	N	-	-	-	-	-	N	N	N	N	
190e_6	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
190e_7	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
190e_8	ARCH	N	-	-	-	-	-	N	N	N	N	
191a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
191a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
191b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
191c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
191d_3	ARCH	N	-	-	-	-	-	N	N	N	N	
191d_4	ARCH	N	-	-	-	-	-	N	N	N	N	
192a_1	ARCH	Y	4.867	1.204	75	2.01	0.80	Y	Y	Y	Y	
192a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
192a_4	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
192a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
192a_6	ARCH	N	-	-	-	-	-	N	N	N	N	
192a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
192a_8	ARCH	N	-	-	-	-	-	N	N	N	N	
192b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
192b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
192b_5	ARCH	N	-	-	-	-	-	N	N	N	N	
192b_7	ARCH	N	-	-	-	-	-	N	N	N	N	
192b_8	ARCH	N	-	-	-	-	-	N	N	N	N	
192b_10	ARCH	N	-	-	-	-	-	N	N	N	N	
192c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
192c_4	ARCH	N	-	-	-	-	-	N	N	N	N	
192c_5	ARCH	N	-	-	-	-	-	N	N	N	N	
192c_8	ARCH	Y	7.882	4.177	100	2.67	0.67	Y	Y	Y	Y	
192c_9	ARCH	Y	4.596	1.072	25	1.78	0.89	Y	Y	Y	Y	
192d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
193a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
193a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
193a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
193a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
193a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
193b_20	ARCH	N	-	-	-	-	-	N	N	N	N	
193b_21	ARCH	N	-	-	-	-	-	N	N	N	N	
193b_22	ARCH	N	-	-	-	-	-	N	N	N	N	
193b_23	ARCH	N	-	-	-	-	-	N	N	N	N	
193c_10	ARCH	N	-	-	-	-	-	N	N	N	N	
193c_11	ARCH	N	-	-	-	-	-	N	N	N	N	
193c_13	ARCH	N	-	-	-	-	-	N	N	N	N	
193c_16	ARCH	N	-	-	-	-	-	N	N	N	N	
193c_18	ARCH	N	-	-	-	-	-	N	N	N	N	
193c_19	ARCH	N	-	-	-	-	-	N	N	N	N	
193c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
193c_4	ARCH	Y	0.418	0.104	50	0.17	0.68	Y	N	Y	N	dwarf
193c_5	ARCH	Y	0.865	0.085	25	0.31	1.55	Y	N	Y	N	dwarf
193c_7	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
193d_3	ARCH	N	-	-	-	-	-	N	N	N	N	
193d_5	ARCH	N	-	-	-	-	-	N	N	N	N	
193f_11	ARCH	N	-	-	-	-	-	N	N	N	N	
194a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
194b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
194b_8	ARCH	N	-	-	-	-	-	N	N	N	N	
194c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
194d_2	ARCH	N	-	-	-	-	-	N	N	N	N	
194e_1	ARCH	N	-	-	-	-	-	N	N	N	N	
194e_2	ARCH	N	-	-	-	-	-	N	N	N	N	
194e_3	ARCH	N	-	-	-	-	-	N	N	N	N	
194f_1	ARCH	N	-	-	-	-	-	N	N	N	N	
194f_2	ARCH	N	-	-	-	-	-	N	N	N	N	
194f_6	ARCH	N	-	-	-	-	-	N	N	N	N	
194f_12	ARCH	Y	1.077	0.312	25	0.43	0.57	Y	N	Y	N	cysts on stomach
196a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
196a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
196d_4	ARCH	N	-	-	-	-	-	N	N	N	N	
196d_5	ARCH	N	-	-	-	-	-	N	N	N	N	
196d_6	ARCH	N	-	-	-	-	-	N	N	N	N	
196d_7	ARCH	N	-	-	-	-	-	N	N	N	N	
198a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
198a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
198a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
198d_1	ARCH	N	-	-	-	-	-	N	N	N	N	no head
198d_2	ARCH	N	-	-	-	-	-	N	N	N	N	
198d_4	ARCH	N	-	-	-	-	-	N	N	N	N	
198f_1	ARCH	N	-	-	-	-	-	N	N	N	N	
198m_2	ARCH	N	-	-	-	-	-	N	N	N	N	
199b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
200a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
200a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
200a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
200a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
200b_1	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
200b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
200b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
200c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
200c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
200d_3	ARCH	Y	0.39	0.05	25	0.10	-	Y	N	Y	N	cysts on stomach; weight unreliable
200d_4	ARCH	N	-	-	-	-	-	N	N	N	N	
200d_5	ARCH	N	-	-	-	-	-	N	N	N	N	
200e_1	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
200e_2	ARCH	N	-	-	-	-	-	N	N	N	N	
200f_1	ARCH	N	-	-	-	-	-	N	N	N	N	
200g_1	ARCH	N	-	-	-	-	-	N	N	N	N	
200g_2	ARCH	Y	0.191	0.037	100	0.18	0.90	Y	N	Y	N	dwarf
200i_1	ARCH	N	-	-	-	-	-	N	N	N	N	
200i_2	ARCH	N	-	-	-	-	-	N	N	N	N	
200l_1	ARCH	N	-	-	-	-	-	N	N	N	N	
200m_1	ARCH	N	-	-	-	-	-	N	N	N	N	
200n_1	ARCH	N	-	-	-	-	-	N	N	N	N	
201a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
201a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
201a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
201a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
201b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
201b_4	ARCH	N	-	-	-	-	-	N	N	N	N	
201b_5	ARCH	N	-	-	-	-	-	N	N	N	N	
201b_6	ARCH	N	-	-	-	-	-	N	N	N	N	
201c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
201d_1	ARCH	Y	0.469	0.068	25	0.22	0.88	Y	N	Y	N	dwarf; cysts on stomach
201g_1	ARCH	N	-	-	-	-	-	N	N	N	N	
201g_3	ARCH	N	-	-	-	-	-	N	N	N	N	
203a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
203a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
203a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
203b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
203b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
203c_2	ARCH	Y	0.882	0.487	100	0.13	-	Y	N	Y	N	weight unreliable

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
203c_4	ARCH	N	-	-	-	-	-	N	N	N	N	
203d_5	ARCH	N	-	-	-	-	-	N	N	N	N	
204c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
205a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
205a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
205a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
205a_4	ARCH	N	-	-	-	-	-	N	N	N	N	
205a_5	ARCH	N	-	-	-	-	-	N	N	N	N	
205a_6	ARCH	Y	1.377	0.415	25	0.14	0.19	Y	N	Y	N	
205b_4	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
205c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
205e_2	ARCH	Y	0.275	0.068	25	0.16	0.64	Y	N	Y	N	cysts on stomach
205f_1	ARCH	N	-	-	-	-	-	N	N	N	N	
205f_2	ARCH	N	-	-	-	-	-	N	N	N	N	
205j_2	ARCH	N	-	-	-	-	-	N	N	N	N	
205k_1	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
205l_3	ARCH	N	-	-	-	-	-	N	N	N	N	
205l_5	ARCH	N	-	-	-	-	-	N	N	N	N	
205m_1	ARCH	N	-	-	-	-	-	N	N	N	N	
205n_1	ARCH	N	-	-	-	-	-	N	N	N	N	
205r_1	ARCH	N	-	-	-	-	-	N	N	N	N	
206a_18	ARCH	N	-	-	-	-	-	N	N	N	N	
206a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
206a_7	ARCH	N	-	-	-	-	-	N	N	N	N	
206a_9	ARCH	N	-	-	-	-	-	N	N	N	N	
206d_4	ARCH	N	-	-	-	-	-	N	N	N	N	
206h_7	ARCH	N	-	-	-	-	-	N	N	N	N	
206h_11	ARCH	N	-	-	-	-	-	N	N	N	N	
206i_3	ARCH	N	-	-	-	-	-	N	N	N	N	
206i_4	ARCH	N	-	-	-	-	-	N	N	N	N	
206i_8	ARCH	N	-	-	-	-	-	N	N	N	N	
206j_2	ARCH	N	-	-	-	-	-	N	N	N	N	
206k_1	ARCH	N	-	-	-	-	-	N	N	N	N	
206l_1	ARCH	N	-	-	-	-	-	N	N	N	N	
206o_1	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
206q_1	ARCH	N	-	-	-	-	-	N	N	N	N	many cysts present on gut
207a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
207a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
207a_4	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
207b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
207b_3	ARCH	N	-	-	-	-	-	N	N	N	N	
207b_5	ARCH	N	-	-	-	-	-	N	N	N	N	
207b_6	ARCH	Y	0.399	0.142	25	0.17	0.68	Y	N	Y	N	cysts on stomach
207b_8	ARCH	N	-	-	-	-	-	N	N	N	N	
207b_10	ARCH	N	-	-	-	-	-	N	N	N	N	
207b_11	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
207d_3	ARCH	N	-	-	-	-	-	N	N	N	N	
207f_1	ARCH	N	-	-	-	-	-	N	N	N	N	
209a_2	ARCH	Y	0.544	0.109	50	0.34	-	Y	N	Y	N	weight unreliable
209a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
209d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
209f_2	ARCH	N	-	-	-	-	-	N	N	N	N	
209h_2	ARCH	N	-	-	-	-	-	N	N	N	N	
209k_1	ARCH	N	-	-	-	-	-	N	N	N	N	
209n_1	ARCH	N	-	-	-	-	-	N	N	N	N	
211a_1	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
211a_2	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
211a_3	ARCH	N	-	-	-	-	-	N	N	N	N	
211b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
211d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
211d_2	ARCH	Y	0.968	0.235	75	0.27	1.08	Y	N	Y	N	cysts on stomach
212a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
212a_4	ARCH	Y	0.997	0.308	100	0.31	0.84	Y	N	Y	N	dwarf: cysts on stomach
212b_1	ARCH	N	-	-	-	-	-	N	N	N	N	
212b_2	ARCH	Y	0.461	0.011	12.5	0.22	0.88	Y	N	Y	N	
212c_1	ARCH	Y	0.457	0.06	25	0.60	3.16	Y	N	Y	N	dwarf; cysts on stomach
212c_2	ARCH	Y	0.502	0.095	75	0.85	4.05	Y	N	Y	N	dwarf; cysts on stomach
212d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
212e_1	ARCH	Y	2.434	0.717	25	0.59	0.79	Y	N	Y	N	cysts on stomach
214e_2	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
214e_3	ARCH	N	-	-	-	-	-	N	N	N	N	
214e_4	ARCH	N	-	-	-	-	-	N	N	N	N	
214f_1	ARCH	N	-	-	-	-	-	N	N	N	N	
214f_2	ARCH	N	-	-	-	-	-	N	N	N	N	
214f_3	ARCH	N	-	-	-	-	-	N	N	N	N	
214j_3	ARCH	N	-	-	-	-	-	N	N	N	N	
214j_4	ARCH	N	-	-	-	-	-	N	N	N	N	
214l_1	ARCH	N	-	-	-	-	-	N	N	N	N	
216b_1	ARCH	Y	1.173	0.275	75	0.50	2.00	Y	N	Y	N	
216c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
216c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
216d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
216d_2	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf
216d_3	ARCH	N	-	-	-	-	-	N	N	N	N	
216e_1	ARCH	N	-	-	-	-	-	N	N	N	N	
216e_2	ARCH	N	-	-	-	-	-	N	N	N	N	
216i_1	ARCH	N	-	-	-	-	-	N	N	N	N	
216l_1	ARCH	N	-	-	-	-	-	N	N	N	N	
217c_1	ARCH	N	-	-	-	-	-	N	N	N	N	dwarf; reabsorbing eggs
220c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
220g_1	ARCH	N	-	-	-	-	-	N	N	N	N	
220i_1	ARCH	N	-	-	-	-	-	N	N	N	N	
220n_2	ARCH	N	-	-	-	-	-	N	N	N	N	
221b_2	ARCH	N	-	-	-	-	-	N	N	N	N	
221c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
221d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
221d_2	ARCH	N	-	-	-	-	-	N	N	N	N	
222a_1	ARCH	N	-	-	-	-	-	N	N	N	N	
222a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
222c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
222d_3	ARCH	N	-	-	-	-	-	N	N	N	N	
223c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
224d_1	ARCH	N	-	-	-	-	-	N	N	N	N	
226c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
231a_2	ARCH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
232a_2	ARCH	N	-	-	-	-	-	N	N	N	N	
232c_1	ARCH	N	-	-	-	-	-	N	N	N	N	
232c_2	ARCH	N	-	-	-	-	-	N	N	N	N	
232c_3	ARCH	N	-	-	-	-	-	N	N	N	N	
232c_6	ARCH	N	-	-	-	-	-	N	N	N	N	
232c_7	ARCH	N	-	-	-	-	-	N	N	N	N	
001a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
001b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
002a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
002a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
002b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
002b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
003b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
003b_5	LKTR	N	-	-	-	-	-	N	N	N	N	
003c_6	LKTR	N	-	-	-	-	-	N	N	N	N	
004a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
004b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
005a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
005a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
005a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
005a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
007a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
008a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
008a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
008a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
009a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
009a_4	LKTR	Y	2.302	0.599	50	0.17	0.17	Y	N	Y	N	
009a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
009b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
009b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
009b_7	LKTR	N	-	-	-	-	-	N	N	N	N	
009b_8	LKTR	Y	3.241	0.861	25	1.60	0.80	Y	Y	Y	Y	cysts on stomach
009b_9	LKTR	Y	16.955	1.638	< 12.5	7.21	0.96	Y	N	Y	N	
009c_5	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
009c_6	LKTR	N	-	-	-	-	-	N	N	N	N	
010b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
011a_1	LKTR	Y	2.89	0.371	75	1.02	-	Y	N	Y	N	cysts on stomach; weight unreliable
011a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
011b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
011b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
011c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
012b_3	LKTR	Y	2.997	0.6	50	0.84	0.67	Y	N	Y	N	cysts on stomach
012b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
013b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
013b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
013c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
013c_4	LKTR	N	-	-	-	-	-	N	N	N	N	
013c_5	LKTR	N	-	-	-	-	-	N	N	N	N	
013c_7	LKTR	Y	25.639	4.376	25	9.04	0.82	Y	Y	Y	Y	resting fish
014d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
015a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
015a_3	LKTR	Y	8.365	0.651	12.5	2.00	0.57	Y	Y	Y	Y	1 otolith
015b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
015c_1	LKTR	Y	4.604	0.867	25	1.86	0.74	Y	Y	Y	Y	cysts on stomach
016a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
016b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
017a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
017a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
017a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
018b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
019a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
019b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
019c_1	LKTR	Y	4.81	0.6005	50	2.43	0.81	Y	N	Y	N	cysts on stomach
019c_5	LKTR	N	-	-	-	-	-	N	N	N	N	
020a_3	LKTR	Y	4.724	0.871	75	2.29	0.76	Y	N	Y	N	
020b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
021a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
021c_3	LKTR	N	-	-	-	0.22	-	Y	N	Y	N	
021c_4	LKTR	Y	3.911	1.136	75	1.57	0.79	Y	N	Y	N	cysts on stomach

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
023a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
023a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
023a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
024a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
024b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
024b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
024c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
024d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
025a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
025b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
026a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
026b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
026c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
028a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
028a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
028a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
028b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
029a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
029b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
029b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
029b_3	LKTR	Y	2.519	0.848	75	0.78	0.94	Y	N	Y	N	
029c_2	LKTR	Y	1.823	0.756	100	0.34	-	Y	N	Y	N	weight unreliable
030a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
030a_4	LKTR	Y	2.772	0.708	50	0.70	0.70	Y	N	Y	N	cysts on stomach
030b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
030b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
031a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
031a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
031a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
031b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
031b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
031b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
031b_5	LKTR	N	-	-	-	-	-	N	N	N	N	
031c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
032b_4	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
032c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
033a_1	LKTR	Y	0.742	0.278	75	0.38	-	Y	N	Y	N	cysts on stomach; weight unreliable
033a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
033a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
033a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
033b_1	LKTR	Y	1.095	0.574	100	0.45	-	Y	N	Y	N	weight unreliable
033b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
033c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
033c_3	LKTR	N	-	-	-	-	-	N	N	N	N	
034a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
034a_6	LKTR	Y	1.562	0.487	25	0.97	0.65	Y	Y	Y	Y	cysts on stomach
034a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
034b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
034b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
034b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
034b_5	LKTR	N	-	-	-	-	-	N	N	N	N	
035b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
035b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
036a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
036b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
036c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
037b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
037b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
037b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
037b_6	LKTR	N	-	-	-	-	-	N	N	N	N	
037b_7	LKTR	N	-	-	-	-	-	N	N	N	N	
038a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
038d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
039a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
039a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
039b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
041a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
041c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
042c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
043a_4	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
043a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
043a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
043c_4	LKTR	N	-	-	-	-	-	N	N	N	N	
044a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
044a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
044b_5	LKTR	N	-	-	-	-	-	N	N	N	N	
045b_1	LKTR	Y	0.857	0.03	12.5	0.42	0.84	Y	N	Y	N	
045c_2	LKTR	Y	16.636	7.324	100	3.73	0.79	Y	Y	Y	Y	cysts on stomach
046b_1	LKTR	Y	1.507	0.118	12.5	0.44	0.88	Y	N	Y	N	cysts on stomach
046b_2	LKTR	Y	1.053	0.355	50	0.29	1.16	Y	N	Y	N	cysts on stomach
046b_6	LKTR	Y	2.306	0.848	100	0.59	0.79	Y	N	Y	N	cysts on stomach
046c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
046c_7	LKTR	Y	68.495	44.976	100	11.40	0.90	Y	Y	Y	Y	cysts on stomach
048a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
048a_4	LKTR	Y	1.496	0.567	75	0.56	0.75	Y	N	Y	N	
048a_10	LKTR	N	-	-	-	-	-	N	N	N	N	
048a_11	LKTR	N	-	-	-	-	-	N	N	N	N	
048a_12	LKTR	N	-	-	-	-	-	N	N	N	N	
048a_17	LKTR	N	-	-	-	-	-	N	N	N	N	
048a_22	LKTR	N	-	-	-	-	-	N	N	N	N	
048a_26	LKTR	N	-	-	-	-	-	N	N	N	N	
048a_27	LKTR	Y	2.401	0.105	12.5	1.77	0.51	Y	N	Y	N	
048a_30	LKTR	Y	3.137	0.477	12.5	1.58	0.53	Y	N	Y	N	cysts on stomach
049a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_10	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_11	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_13	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_15	LKTR	Y	16.201	3.83	50	5.20	0.69	Y	N	Y	N	stomach parasites
049a_18	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_19	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_22	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_23	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
049a_25	LKTR	N	-	-	-	-	-	N	N	N	N	
049a_30	LKTR	Y	32.417	13.602	75	14.20	1.14	Y	Y	Y	Y	
050a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
050a_10	LKTR	N	-	-	-	-	-	N	N	N	N	
050a_11	LKTR	N	-	-	-	-	-	N	N	N	N	
051a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
051a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
051a_15	LKTR	Y	6.462	0.65	12.5	1.54	0.57	Y	N	Y	N	cysts on stomach
052a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
052a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
052a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
052a_15	LKTR	Y	1.49	0.572	100	0.30	0.73	Y	N	Y	N	
052a_16	LKTR	N	-	-	-	-	-	N	N	N	N	
052a_22	LKTR	N	-	-	-	-	-	N	N	N	N	
052a_23	LKTR	Y	19.932	0.26	< 12.5	7.67	0.70	Y	N	Y	N	
052a_24	LKTR	Y	14.263	1.042	12.5	6.01	0.92	Y	N	Y	N	cysts on stomach
052a_25	LKTR	N	8.066	0.702	25	3.04	-	Y	N	Y	N	cysts on stomach (lost otoliths)
053a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
054a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
055a_3	LKTR	Y	11.293	3.487	75	2.08	0.59	Y	N	Y	N	
055a_9	LKTR	Y	6.046	1.182	50	18.42	1.15	Y	N	Y	N	cysts on stomach
055a_12	LKTR	N	-	-	-	-	-	N	N	N	N	
056a_4	LKTR	Y	40.0012	21.984	100	6.97	0.75	Y	Y	Y	Y	cysts on stomach
056a_10	LKTR	N	-	-	-	-	-	N	N	N	N	
056a_11	LKTR	N	-	-	-	-	-	N	N	N	N	
056a_23	LKTR	N	-	-	-	-	-	N	N	N	N	
056a_26	LKTR	N	-	-	-	-	-	N	N	N	N	
060a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
060a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
062a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
062a_8	LKTR	N	-	-	-	-	-	N	N	N	N	
062a_12	LKTR	N	-	-	-	-	-	N	N	N	N	
062a_13	LKTR	N	-	-	-	-	-	N	N	N	N	
062a_17	LKTR	N	-	-	-	-	-	N	N	N	N	
062a_18	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
064a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
064a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
065a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
065a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
065c_1	LKTR	Y	23.748	0.587	< 12.5	8.00	0.70	Y	N	Y	N	cysts on stomach
066a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
066c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
066c_3	LKTR	Y	112.22	83.66	100	8.00	0.57	Y	N	Y	N	
066c_11	LKTR	N	-	-	-	-	-	N	N	N	N	
066c_14	LKTR	N	-	-	-	-	-	N	N	N	N	
066c_18	LKTR	N	-	-	-	-	-	N	N	N	N	
066c_21	LKTR	N	-	-	-	-	-	N	N	N	N	
066c_23	LKTR	N	-	-	-	-	-	N	N	N	N	
066d_4	LKTR	N	-	-	-	-	-	N	N	N	N	
066d_6	LKTR	N	-	-	-	-	-	N	N	N	N	
067a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
067c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
070a_1	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach
070a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
071a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
071a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
071a_8	LKTR	N	-	-	-	-	-	N	N	N	N	
072b_5	LKTR	N	-	-	-	-	-	N	N	N	N	
073b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
073b_5	LKTR	N	-	-	-	-	-	N	N	N	N	
074b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
076a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
076b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
076b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
077a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
077b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
077b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
077b_7	LKTR	N	-	-	-	-	-	N	N	N	N	
078a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
078a_2	LKTR	Y	12.593	0.271	< 12.5	5.00	0.71	Y	Y	Y	Y	GSI not calculated as is an F1

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
078a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
078a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
079a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
079a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
079a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
079a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
080a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
080a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
080a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
081a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
081a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
081a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
081a_9	LKTR	N	-	-	-	-	-	N	N	N	N	
081a_10	LKTR	N	-	-	-	-	-	N	N	N	N	
081a_15	LKTR	N	-	-	-	-	-	N	N	N	N	
082a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
082a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
083a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
083a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
084a_1	LKTR	Y	9.429	0.492	50	8.00	0.59	Y	Y	Y	Y	cysts on stomach
085a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
086a_7	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach
088a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
088a_2	LKTR	N	-	-	-	-	-	N	N	N	N	6 cysts on stomach
088a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
088a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
088a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
088a_9	LKTR	N	-	-	-	-	-	N	N	N	N	
088a_10	LKTR	N	-	-	-	-	-	N	N	N	N	
089a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
091a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
091a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
091a_10	LKTR	N	-	-	-	-	-	N	N	N	N	
091a_11	LKTR	N	-	-	-	-	-	N	N	N	N	
092a_8	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
092a_10	LKTR	N	-	-	-	-	-	N	N	N	N	
092a_11	LKTR	N	-	-	-	-	-	N	N	N	N	
093a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
093a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
093a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
093a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
093a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
095a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
095a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
095a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
095a_12	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach
095a_14	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach
095a_15	LKTR	N	-	-	-	-	-	N	N	N	N	
095a_18	LKTR	Y	27.696	0.413	< 12.5	5.00	0.61	Y	Y	Y	Y	cysts on stomach; very skinny for such a big fish
096a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
096a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
096a_11	LKTR	N	-	-	-	-	-	N	N	N	N	
096a_14	LKTR	N	-	-	-	-	-	N	N	N	N	
097a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
097a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
098a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
098a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
098a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
098a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
098a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
098a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
098a_8	LKTR	N	-	-	-	-	-	N	N	N	N	
099a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
100a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
100a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
101a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
101a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
101a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
102a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
103a_3	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
104a_1	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach
105a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
106a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
106a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
107a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
107a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
108a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
108a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
108a_8	LKTR	N	-	-	-	-	-	N	N	N	N	
108a_11	LKTR	N	-	-	-	-	-	N	N	N	N	
108a_13	LKTR	N	-	-	-	-	-	N	N	N	N	
108b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
108b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
108b_5	LKTR	N	-	-	-	-	-	N	N	N	N	
108b_6	LKTR	N	-	-	-	-	-	N	N	N	N	
109a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
110a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
110a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
111a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
111a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
112a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
114a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
117a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
117a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
117a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
117a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
124a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
126a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
129a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
132a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
134a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
138a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
138a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
139a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
139a_5	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
143a_2	LKTR	N	-	-	-	-	-	N	N	N	N	Nat has a picture; definitely F3
143a_5	LKTR	Y	165.32	120	100	40.00	2.11	Y	Y	Y	Y	
143a_6	LKTR	Y	56.713	35.86	100	9.00	1.29	Y	Y	Y	Y	
144a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
144a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
145a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
145a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
145a_6	LKTR	N	-	-	-	-	-	N	N	N	N	
146a_8	LKTR	N	-	-	-	-	-	N	N	N	N	
149a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
149a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
149a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
149a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
150a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
150a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
150a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
152a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
155a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
160a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
161a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
161b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
161b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
161c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
161c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
161d_5	LKTR	N	-	-	-	-	-	N	N	N	N	
161d_6	LKTR	N	-	-	-	-	-	N	N	N	N	
162a_1	LKTR	Y	4.955	0.302	< 12.5	2.96	1.18	Y	Y	Y	Y	
162a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
162a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
162b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
162b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
162f_2	LKTR	N	-	-	-	-	-	N	N	N	N	
162g_1	LKTR	N	-	-	-	-	-	N	N	N	N	
162h_1	LKTR	N	-	-	-	-	-	N	N	N	N	
163a_1	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
164a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
164b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
164c_6	LKTR	N	-	-	-	-	-	N	N	N	N	
164c_7	LKTR	N	-	-	-	-	-	N	N	N	N	
164d_3	LKTR	N	-	-	-	-	-	N	N	N	N	
164d_4	LKTR	N	-	-	-	-	-	N	N	N	N	
164d_7	LKTR	N	-	-	-	-	-	N	N	N	N	
164e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
164e_3	LKTR	N	-	-	-	-	-	N	N	N	N	
164f_1	LKTR	N	-	-	-	-	-	N	N	N	N	
164g_1	LKTR	N	-	-	-	-	-	N	N	N	N	
164g_2	LKTR	N	-	-	-	-	-	N	N	N	N	
164g_3	LKTR	N	-	-	-	-	-	N	N	N	N	
164h_1	LKTR	N	-	-	-	-	-	N	N	N	N	
164h_3	LKTR	N	-	-	-	-	-	N	N	N	N	
164h_4	LKTR	N	-	-	-	-	-	N	N	N	N	
164i_1	LKTR	N	-	-	-	-	-	N	N	N	N	
164i_2	LKTR	N	-	-	-	-	-	N	N	N	N	
164i_4	LKTR	N	-	-	-	-	-	N	N	N	N	
164i_7	LKTR	N	-	-	-	-	-	N	N	N	N	
164i_8	LKTR	N	-	-	-	-	-	N	N	N	N	
164l_1	LKTR	N	-	-	-	-	-	N	N	N	N	
164m_5	LKTR	N	-	-	-	-	-	N	N	N	N	
164m_7	LKTR	N	-	-	-	-	-	N	N	N	N	
164m_8	LKTR	N	-	-	-	-	-	N	N	N	N	
165a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
167c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
170a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
170a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
170a_5	LKTR	N	-	-	-	2.32	-	Y	N	Y	N	unable to retrieve otoliths
175a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
175c_3	LKTR	N	-	-	-	-	-	N	N	N	N	
175c_5	LKTR	N	-	-	-	-	-	N	N	N	N	
176a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
179b_1	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
179c_4	LKTR	N	-	-	-	-	-	N	N	N	N	
179c_5	LKTR	N	-	-	-	-	-	N	N	N	N	
180a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
180b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
180b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
180b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
180c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
180d_2	LKTR	N	-	-	-	-	-	N	N	N	N	
180e_2	LKTR	N	-	-	-	-	-	N	N	N	N	
180e_3	LKTR	N	-	-	-	-	-	N	N	N	N	
180j_1	LKTR	N	-	-	-	-	-	N	N	N	N	
182a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
182e_2	LKTR	N	-	-	-	-	-	N	N	N	N	
183a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
183b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
183c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
183f_1	LKTR	N	-	-	-	-	-	N	N	N	N	
183g_1	LKTR	N	-	-	-	-	-	N	N	N	N	
184a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
185a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
185b_2	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach
185d_3	LKTR	N	-	-	-	-	-	N	N	N	N	
185e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
185g_1	LKTR	N	-	-	-	-	-	N	N	N	N	
185h_1	LKTR	N	-	-	-	-	-	N	N	N	N	
185i_1	LKTR	N	-	-	-	-	-	N	N	N	N	lots of cysts
185i_2	LKTR	N	-	-	-	-	-	N	N	N	N	
185j_2	LKTR	N	-	-	-	-	-	N	N	N	N	
186c_4	LKTR	N	-	-	-	-	-	N	N	N	N	
186d_2	LKTR	N	-	-	-	-	-	N	N	N	N	
186e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
186g_2	LKTR	N	-	-	-	-	-	N	N	N	N	
186g_5	LKTR	N	-	-	-	-	-	N	N	N	N	
186h_2	LKTR	N	-	-	-	-	-	N	N	N	N	
186h_3	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
186h_5	LKTR	N	-	-	-	-	-	N	N	N	N	
186j_1	LKTR	N	-	-	-	-	-	N	N	N	N	
186k_3	LKTR	N	-	-	-	-	-	N	N	N	N	
186m_1	LKTR	N	-	-	-	-	-	N	N	N	N	
187b_6	LKTR	N	-	-	-	-	-	N	N	N	N	
187f_2	LKTR	N	-	-	-	-	-	N	N	N	N	
187j_1	LKTR	N	-	-	-	-	-	N	N	N	N	
189b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
189c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
190a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
190c_10	LKTR	N	-	-	-	-	-	N	N	N	N	
190d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
190d_2	LKTR	Y	39.232	28.879	100	4.20	0.93	Y	N	Y	N	
190d_3	LKTR	N	-	-	-	-	-	N	N	N	N	
190e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
191a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
191b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
191d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
191d_2	LKTR	N	-	-	-	-	-	N	N	N	N	
192a_2	LKTR	Y	4.479	0.394	50	1.13	0.57	Y	N	Y	N	
192b_6	LKTR	N	-	-	-	-	-	N	N	N	N	
192b_9	LKTR	N	-	-	-	-	-	N	N	N	N	
192b_12	LKTR	N	-	-	-	-	-	N	N	N	N	
192c_3	LKTR	N	-	-	-	-	-	N	N	N	N	
192c_6	LKTR	N	-	-	-	-	-	N	N	N	N	
192c_7	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach
192d_2	LKTR	N	-	-	-	-	-	N	N	N	N	
193b_12	LKTR	N	-	-	-	-	-	N	N	N	N	
193b_19	LKTR	N	-	-	-	-	-	N	N	N	N	
193c_3	LKTR	N	-	-	-	-	-	N	N	N	N	
193c_6	LKTR	N	-	-	-	-	-	N	N	N	N	
193c_8	LKTR	N	-	-	-	-	-	N	N	N	N	
193d_4	LKTR	N	-	-	-	-	-	N	N	N	N	
194a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
194b_1	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
194b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
194b_5	LKTR	N	-	-	-	-	-	N	N	N	N	
194c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
194f_3	LKTR	N	-	-	-	0.29	-	Y	N	Y	N	
194f_4	LKTR	N	-	-	-	-	-	N	N	N	N	
194f_8	LKTR	N	-	-	-	-	-	N	N	N	N	
194f_9	LKTR	N	-	-	-	-	-	N	N	N	N	
194f_10	LKTR	N	-	-	-	-	-	N	N	N	N	
194f_11	LKTR	N	-	-	-	-	-	N	N	N	N	
195a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
196a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
196a_4	LKTR	N	-	-	-	-	-	N	N	N	N	
196b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
196b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
196b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
196b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
196c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
196c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
196d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
196d_3	LKTR	N	-	-	-	-	-	N	N	N	N	
198a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
198c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
198d_3	LKTR	N	-	-	-	-	-	N	N	N	N	
198e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
198g_1	LKTR	N	-	-	-	-	-	N	N	N	N	
198h_1	LKTR	N	-	-	-	-	-	N	N	N	N	
198k_2	LKTR	N	-	-	-	-	-	N	N	N	N	
198m_1	LKTR	N	-	-	-	-	-	N	N	N	N	
198o_1	LKTR	N	-	-	-	-	-	N	N	N	N	
198q_1	LKTR	N	-	-	-	-	-	N	N	N	N	cysts present on gut
198q_2	LKTR	N	-	-	-	-	-	N	N	N	N	cysts present on gut
198q_3	LKTR	N	-	-	-	-	-	N	N	N	N	
198r_1	LKTR	N	-	-	-	-	-	N	N	N	N	cysts present on gut
200b_4	LKTR	N	-	-	-	-	-	N	N	N	N	
200d_2	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
200m_2	LKTR	N	-	-	-	-	-	N	N	N	N	
201a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
201b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
201c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
201e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
203c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
203c_3	LKTR	Y	1.723	0.62	50	0.79	0.63	Y	N	Y	N	cysts on stomach
203d_2	LKTR	N	-	-	-	-	-	N	N	N	N	
203d_4	LKTR	N	-	-	-	-	-	N	N	N	N	
205a_7	LKTR	N	-	-	-	-	-	N	N	N	N	
205a_8	LKTR	N	-	-	-	-	-	N	N	N	N	
205a_9	LKTR	N	-	-	-	-	-	N	N	N	N	
205b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
205b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
205b_3	LKTR	N	-	-	-	-	-	N	N	N	N	
205c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
205c_3	LKTR	Y	0.318	0.052	75	0.26	1.04	Y	N	Y	N	cysts on stomach
205d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
205d_2	LKTR	N	-	-	-	-	-	N	N	N	N	
205e_1	LKTR	Y	0.459	0.047	25	0.39	1.56	Y	N	Y	N	cysts on stomach
205e_3	LKTR	N	-	-	-	-	-	N	N	N	N	
205e_4	LKTR	N	-	-	-	-	-	N	N	N	N	
205l_1	LKTR	N	-	-	-	-	-	N	N	N	N	
205l_2	LKTR	N	-	-	-	-	-	N	N	N	N	
205l_4	LKTR	N	-	-	-	-	-	N	N	N	N	
206a_21	LKTR	N	-	-	-	-	-	N	N	N	N	
206d_2	LKTR	N	-	-	-	-	-	N	N	N	N	
206d_3	LKTR	N	-	-	-	-	-	N	N	N	N	
206g_2	LKTR	N	-	-	-	-	-	N	N	N	N	
206g_3	LKTR	N	-	-	-	-	-	N	N	N	N	
206h_1	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on tissue cavity
206i_1	LKTR	N	-	-	-	-	-	N	N	N	N	
206i_2	LKTR	N	-	-	-	-	-	N	N	N	N	
206i_5	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach
206j_1	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
206j_3	LKTR	N	-	-	-	-	-	N	N	N	N	
206o_2	LKTR	N	-	-	-	-	-	N	N	N	N	
207b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
207b_4	LKTR	Y	0.931	0.391	75	0.15	0.60	Y	N	Y	N	cysts on stomach
207b_7	LKTR	N	-	-	-	-	-	N	N	N	N	
207d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
207d_2	LKTR	N	-	-	-	-	-	N	N	N	N	
207f_2	LKTR	N	-	-	-	-	-	N	N	N	N	
209a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
209a_4	LKTR	Y	0.846	0.2	25	0.36	-	Y	N	Y	N	cysts on stomach
209a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
209b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
209c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
209e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
209f_1	LKTR	N	-	-	-	-	-	N	N	N	N	
209h_1	LKTR	N	-	-	-	-	-	N	N	N	N	
209h_3	LKTR	N	-	-	-	-	-	N	N	N	N	
209m_2	LKTR	N	-	-	-	-	-	N	N	N	N	
209n_2	LKTR	N	-	-	-	-	-	N	N	N	N	
210g_1	LKTR	N	-	-	-	-	-	N	N	N	N	
211a_5	LKTR	N	-	-	-	-	-	N	N	N	N	
211b_2	LKTR	N	-	-	-	-	-	N	N	N	N	
211c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
211e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
212a_2	LKTR	N	-	-	-	-	-	N	N	N	N	
212a_3	LKTR	N	-	-	-	-	-	N	N	N	N	
212c_3	LKTR	N	-	-	-	-	-	N	N	N	N	
212e_2	LKTR	N	-	-	-	-	-	N	N	N	N	
212h_1	LKTR	N	-	-	-	-	-	N	N	N	N	
213d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
213e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
213e_2	LKTR	N	-	-	-	-	-	N	N	N	N	
213f_1	LKTR	N	-	-	-	-	-	N	N	N	N	
214b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
214c_1	LKTR	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
214d_1	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on stomach
214e_1	LKTR	N	-	-	-	-	-	N	N	N	N	
214f_4	LKTR	N	-	-	-	-	-	N	N	N	N	
214f_5	LKTR	N	-	-	-	-	-	N	N	N	N	
214f_6	LKTR	N	-	-	-	-	-	N	N	N	N	
214g_1	LKTR	N	-	-	-	-	-	N	N	N	N	
214i_1	LKTR	N	-	-	-	-	-	N	N	N	N	
214i_2	LKTR	N	-	-	-	-	-	N	N	N	N	
214j_1	LKTR	N	-	-	-	-	-	N	N	N	N	
214k_1	LKTR	N	-	-	-	-	-	N	N	N	N	
214k_2	LKTR	N	-	-	-	-	-	N	N	N	N	
216a_1	LKTR	N	-	-	-	-	-	N	N	N	N	
216c_1	LKTR	N	-	-	-	-	-	N	N	N	N	
216f_1	LKTR	N	-	-	-	-	-	N	N	N	N	
218c_1	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on gut
218j_3	LKTR	N	-	-	-	-	-	N	N	N	N	
221b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
221c_3	LKTR	N	-	-	-	-	-	N	N	N	N	
221d_3	LKTR	N	-	-	-	-	-	N	N	N	N	many cysts on stomach and in gut lining
224c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
226b_1	LKTR	N	-	-	-	-	-	N	N	N	N	
226c_2	LKTR	N	-	-	-	-	-	N	N	N	N	
227a_1	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on gut
229d_1	LKTR	N	-	-	-	-	-	N	N	N	N	
229d_2	LKTR	N	-	-	-	-	-	N	N	N	N	
230d_3	LKTR	N	-	-	-	-	-	N	N	N	N	
230d_5	LKTR	N	-	-	-	-	-	N	N	N	N	cysts on gut
232c_4	LKTR	N	-	-	-	-	-	N	N	N	N	
001a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
001a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
001c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
002b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
003a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
003b_1	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
003b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
003c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
003c_3	RNWH	N	-	-	-	-	-	N	N	N	N	
004b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
005a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
006a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
008a_1	RNWH	Y	7.588	0.417	< 12.5	7.10	1.09	Y	N	Y	N	not much fat, testes pink
008b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
009a_1	RNWH	Y	0.415	0.252	25	0.09	-	Y	N	Y	N	weight unreliable
009a_5	RNWH	Y	3.885	0.052	12.5	2.30	0.51	Y	Y	Y	Y	
009a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
009a_8	RNWH	N	-	-	-	-	-	N	N	N	N	
009b_3	RNWH	Y	1.006	0.553	100	0.70	1.40	Y	N	Y	N	
009b_6	RNWH	N	-	-	-	-	-	N	N	N	N	
009c_1	RNWH	Y	7.766	0.696	12.5	7.25	0.97	Y	Y	Y	Y	
009c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
009c_3	RNWH	N	-	-	-	-	-	N	N	N	N	
009c_4	RNWH	N	-	-	-	-	-	N	N	N	N	
010b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
010c_1	RNWH	N	-	-	-	-	-	N	N	Y	N	
011a_3	RNWH	Y	4.166	1.11	75	6.80	1.43	Y	N	Y	N	
011b_1	RNWH	Y	7.582	2.173	100	5.67	0.84	Y	Y	Y	Y	
011c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
012b_1	RNWH	Y	3.064	2.001	100	0.21	0.17	Y	N	Y	N	
013b_1	RNWH	Y	1.219	0.886	100	0.15	0.60	Y	N	Y	N	
013b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
013c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
013c_6	RNWH	N	-	-	-	-	-	N	N	N	N	
014a_1	RNWH	Y	130.92	90.58	100	5.00	0.77	Y	N	Y	N	
014a_2	RNWH	Y	7.795	1.38	25	5.00	0.83	Y	N	Y	N	
015a_2	RNWH	Y	5.964	0.964	25	5.00	0.71	Y	N	Y	N	
015c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
017a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
017b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
018b_1	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
019a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
019a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
019a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
019c_2	RNWH	N	-	-	-	4.82	-	Y	N	Y	N	no fat
019c_3	RNWH	Y	8.178	1.928	50	9.67	1.38	Y	Y	Y	Y	lots of fat
019c_4	RNWH	Y	6.713	1.8	75	3.86	0.97	Y	N	Y	N	lots of fat
020a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
020c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
021a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
021b_1	RNWH	Y	4.354	1.876	100	2.33	0.78	Y	N	Y	N	
022b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
023c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
023c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
025a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
029c_3	RNWH	N	-	-	-	-	-	N	N	N	N	
029c_4	RNWH	N	-	-	-	-	-	N	N	N	N	
030a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
031c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
032b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
032b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
033a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
033c_4	RNWH	N	-	-	-	-	-	N	N	N	N	
035b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
035b_4	RNWH	N	-	-	-	-	-	N	N	N	N	
037b_5	RNWH	N	-	-	-	-	-	N	N	N	N	
038d_2	RNWH	N	-	-	-	-	-	N	N	N	N	
041b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
041c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
042a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
042a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
042b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
042c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
043a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
043a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
043a_6	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
043b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
043c_6	RNWH	N	-	-	-	-	-	N	N	N	N	
044b_4	RNWH	N	-	-	-	-	-	N	N	N	N	
045b_2	RNWH	Y	3.488	0.184	12.5	2.75	0.92	Y	N	Y	N	
045c_4	RNWH	N	-	-	-	-	-	N	N	N	N	
045c_5	RNWH	N	-	-	-	-	-	N	N	N	N	
045c_6	RNWH	Y	3.514	0.734	75	2.75	0.92	Y	N	Y	N	
045c_7	RNWH	Y	1.427	0.499	75	0.53	0.71	Y	N	Y	N	
045c_11	RNWH	N	-	-	-	-	-	N	N	N	N	
046a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
046b_7	RNWH	Y	1.867	0.451	50	1.21	0.97	Y	Y	Y	Y	cysts on stomach
046b_8	RNWH	Y	8.38	3.231	100	6.64	0.95	Y	Y	Y	Y	
046c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
046c_4	RNWH	N	-	-	-	-	-	N	N	N	N	
046c_6	RNWH	N	-	-	-	-	-	N	N	N	N	
048a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
048a_5	RNWH	Y	7.988	3.802	100	2.05	0.48	Y	N	Y	N	
048a_6	RNWH	Y	7.422	1.717	50	5.00	0.71	Y	Y	Y	Y	
048a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
048a_8	RNWH	Y	2.042	0.453	50	0.73	0.58	Y	N	Y	N	
049a_24	RNWH	Y	1.508	0.249	25	0.96	0.77	Y	N	Y	N	
049a_26	RNWH	Y	2.043	0.206	25	1.01	0.81	Y	N	Y	N	
049a_27	RNWH	N	-	-	-	-	-	N	N	N	N	
049a_28	RNWH	N	-	-	-	-	-	N	N	N	N	stomach parasites
049a_29	RNWH	Y	1.717	0.199	12.5	0.94	0.63	Y	N	Y	N	
050a_6	RNWH	Y	1.896	0.967	75	0.64	0.85	Y	N	Y	N	
050a_9	RNWH	Y	2.747	1.519	100	1.11	0.74	Y	N	Y	N	small holes in body wall; seems to have been eaten by trichopteran.
050a_13	RNWH	N	-	-	-	-	-	N	N	N	N	
051a_3	RNWH	Y	0.373	0.052	50	0.80	-	Y	N	Y	N	weight unreliable
051a_4	RNWH	Y	0.443	0	0	0.31	0.62	Y	N	Y	N	
051a_6	RNWH	Y	nd (rotten)	nd (rotten)	nd (rotten)	nd	-	Y	N	Y	N	dwarf; weight unreliable
051a_14	RNWH	N	-	-	-	-	-	N	N	N	N	
051a_16	RNWH	Y	3.29	0.953	50	2.15	0.78	Y	Y	Y	Y	
052a_1	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
052a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
052a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
052a_6	RNWH	Y	1.366	0.316	25	0.77	0.77	Y	N	Y	N	
052a_11	RNWH	N	0.354	0.022	25	0.11	-	Y	N	Y	N	
052a_12	RNWH	Y	0.25	0.044	12.5	0.08	0.42	Y	N	Y	N	
054a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
054a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
054a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
055a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
055a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
055a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
055a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
055a_10	RNWH	N	-	-	-	-	-	N	N	N	N	
055a_13	RNWH	N	-	-	-	-	-	N	N	N	N	
056a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
056a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
056a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
056a_15	RNWH	N	-	-	-	-	-	N	N	N	N	
056a_17	RNWH	Y	1.55	0.225	100	1.00	1.00	Y	Y	Y	Y	
056a_22	RNWH	N	-	-	-	-	-	N	N	N	N	
057a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
059a_5	RNWH	Y	1.431	0.765	25	0.60	0.80	Y	N	Y	N	
060a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
060a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
060a_6	RNWH	N	-	-	-	-	-	N	N	N	N	
061a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
062a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
062a_14	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
062a_15	RNWH	N	-	-	-	-	-	N	N	N	N	
064a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
064a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
065b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
065c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
066a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
066c_4	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
066c_5	RNWH	N	-	-	-	-	-	N	N	N	N	
066c_7	RNWH	N	-	-	-	-	-	N	N	N	N	
066c_8	RNWH	N	-	-	-	-	-	N	N	N	N	
066d_1	RNWH	N	-	-	-	-	-	N	N	N	N	
066d_2	RNWH	N	-	-	-	-	-	N	N	N	N	
067a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
067c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
067c_3	RNWH	N	-	-	-	-	-	N	N	N	N	
070a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
070a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
071a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
071a_9	RNWH	N	-	-	-	-	-	N	N	N	N	
071a_10	RNWH	Y	5.895	0.2	< 12.5	15.50	1.88	Y	N	Y	N	
072a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
074b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
077a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
077b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
077b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
077b_5	RNWH	N	-	-	-	-	-	N	N	N	N	
077b_6	RNWH	N	-	-	-	-	-	N	N	N	N	
078a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
079a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
079a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
081a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
081a_12	RNWH	N	-	-	-	-	-	N	N	N	N	
081a_13	RNWH	N	-	-	-	-	-	N	N	N	N	
081a_16	RNWH	N	-	-	-	-	-	N	N	N	N	
081a_17	RNWH	N	-	-	-	-	-	N	N	N	N	
083a_6	RNWH	N	-	-	-	-	-	N	N	N	N	
083a_8	RNWH	N	-	-	-	-	-	N	N	N	N	
083a_9	RNWH	N	-	-	-	-	-	N	N	N	N	
086a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
088a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
089a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
090a_2	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
091a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
091a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
091a_8	RNWH	N	-	-	-	-	-	N	N	N	N	
092a_12	RNWH	N	-	-	-	-	-	N	N	N	N	
094a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
094a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
095a_8	RNWH	N	-	-	-	-	-	N	N	N	N	
096a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
096a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
097a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
097a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
097a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
098a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
098a_9	RNWH	N	-	-	-	-	-	N	N	N	N	
102a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
103a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
103a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
106a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
107a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
108a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
108a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
108a_14	RNWH	N	-	-	-	-	-	N	N	N	N	
108b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
109a_6	RNWH	N	-	-	-	-	-	N	N	N	N	
110a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
114a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
125a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
125a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
126a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
128a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
130a_1	RNWH	N	-	-	-	0.16	-	Y	N	Y	N	dwarf
132a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
134a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
135a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
136a_3	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
138a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
138a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
144a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
145a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
145a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
146a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
146a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
147a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
150a_6	RNWH	N	-	-	-	-	-	N	N	N	N	
160b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
161a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
161a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
161b_2	RNWH	Y	7.376	3.33	100	3.91	1.12	Y	Y	Y	Y	
161b_7	RNWH	N	-	-	-	-	-	N	N	N	N	
161c_3	RNWH	N	-	-	-	-	-	N	N	N	N	
161c_5	RNWH	N	-	-	-	-	-	N	N	N	N	
161c_6	RNWH	N	-	-	-	-	-	N	N	N	N	
161d_3	RNWH	N	-	-	-	-	-	N	N	N	N	
161d_4	RNWH	N	-	-	-	-	-	N	N	N	N	
164a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
164a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
164a_6	RNWH	N	-	-	-	-	-	N	N	N	N	
164a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
164a_8	RNWH	N	-	-	-	-	-	N	N	N	N	
164c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
164c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
164c_4	RNWH	N	-	-	-	-	-	N	N	N	N	
164c_5	RNWH	N	-	-	-	-	-	N	N	N	N	
164c_8	RNWH	N	-	-	-	-	-	N	N	N	N	
164c_17	RNWH	N	-	-	-	-	-	N	N	N	N	
164d_5	RNWH	N	-	-	-	-	-	N	N	N	N	
164e_4	RNWH	N	-	-	-	-	-	N	N	N	N	
164h_2	RNWH	N	-	-	-	-	-	N	N	N	N	
164h_6	RNWH	N	-	-	-	-	-	N	N	N	N	
164i_10	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
164j_03	RNWH	N	-	-	-	-	-	N	N	N	N	
164m_3	RNWH	N	-	-	-	-	-	N	N	N	N	
164m_4	RNWH	N	-	-	-	-	-	N	N	N	N	
164m_9	RNWH	N	-	-	-	-	-	N	N	N	N	
164m_14	RNWH	N	-	-	-	-	-	N	N	N	N	
165b_1	RNWH	Y	3.969	0.89	75	4.01	1.15	Y	Y	Y	Y	
167b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
171a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
172a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
173b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
175a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
175a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
175a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
175a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
175a_6	RNWH	N	-	-	-	-	-	N	N	N	N	
175c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
175c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
175c_4	RNWH	N	-	-	-	-	-	N	N	N	N	
175d_1	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
177e_1	RNWH	N	-	-	-	-	-	N	N	N	N	
180a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
180b_2	RNWH	Y	1.584	0.83	100	0.39	-	Y	N	Y	N	parasites on stomach; weight unreliable
180d_1	RNWH	N	-	-	-	2.72	-	Y	N	Y	N	
180d_4	RNWH	Y	7.393	3.568	100	3.24	0.86	Y	Y	Y	Y	
180e_1	RNWH	N	-	-	-	-	-	N	N	N	N	
180e_4	RNWH	N	-	-	-	-	-	N	N	N	N	
181a_1	RNWH	Y	6.093	0.108	< 12.5	10.56	1.46	Y	N	Y	N	
183a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
183d_1	RNWH	N	-	-	-	-	-	N	N	N	N	
184a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
184b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
184b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
184b_4	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
184c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
184c_2	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
184c_3	RNWH	N	-	-	-	-	-	N	N	N	N	
184c_4	RNWH	N	-	-	-	-	-	N	N	N	N	
184c_5	RNWH	N	-	-	-	-	-	N	N	N	N	
185a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
185h_2	RNWH	N	-	-	-	-	-	N	N	N	N	
185i_3	RNWH	N	-	-	-	-	-	N	N	N	N	
186b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
186c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
186c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
186c_3	RNWH	N	-	-	-	-	-	N	N	N	N	
186f_2	RNWH	N	-	-	-	-	-	N	N	N	N	
186g_3	RNWH	N	-	-	-	-	-	N	N	N	N	
186g_4	RNWH	N	-	-	-	-	-	N	N	N	N	
186h_4	RNWH	N	-	-	-	-	-	N	N	N	N	
186k_2	RNWH	N	-	-	-	-	-	N	N	N	N	
186l_3	RNWH	N	-	-	-	-	-	N	N	N	N	
186m_2	RNWH	N	-	-	-	-	-	N	N	N	N	
186m_3	RNWH	N	-	-	-	-	-	N	N	N	N	
187a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
187a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
187a_3	RNWH	N	-	-	-	-	-	N	N	N	N	
187a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
187a_5	RNWH	N	-	-	-	-	-	N	N	N	N	
187b_1	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
187b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
187b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
187b_5	RNWH	N	-	-	-	-	-	N	N	N	N	
187c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
187f_1	RNWH	N	-	-	-	-	-	N	N	N	N	
189d_2	RNWH	N	-	-	-	-	-	N	N	N	N	
189e_1	RNWH	N	-	-	-	-	-	N	N	N	N	
189j_1	RNWH	N	-	-	-	-	-	N	N	N	N	
190a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
192a_9	RNWH	N	-	-	-	-	-	N	N	N	N	
192b_3	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
192b_11	RNWH	N	-	-	-	-	-	N	N	N	N	
192c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
193a_6	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193a_7	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_4	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_5	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_6	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_7	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_8	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_9	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193b_10	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193b_11	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_13	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_14	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_15	RNWH	N	-	-	-	-	-	N	N	N	N	
193b_16	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193b_18	RNWH	N	-	-	-	-	-	N	N	N	N	
193c_1	RNWH	Y	4.094	1.58	75	2.75	0.92	Y	Y	Y	Y	
193c_9	RNWH	N	-	-	-	-	-	N	N	N	N	
193c_12	RNWH	N	-	-	-	-	-	N	N	N	N	
193c_14	RNWH	N	-	-	-	-	-	N	N	N	N	
193c_15	RNWH	N	-	-	-	-	-	N	N	N	N	
193c_17	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_1	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_2	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_6	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_7	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193d_8	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_9	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_10	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_11	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_12	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
193d_13	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_14	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_15	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_16	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_17	RNWH	N	-	-	-	-	-	N	N	N	N	
193d_18	RNWH	N	-	-	-	-	-	N	N	N	N	
193e_1	RNWH	N	-	-	-	-	-	N	N	N	N	
193e_2	RNWH	N	-	-	-	-	-	N	N	N	N	
193f_1	RNWH	N	-	-	-	-	-	N	N	N	N	
193f_2	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193f_3	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193f_4	RNWH	N	-	-	-	-	-	N	N	N	N	
193f_5	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193f_6	RNWH	N	-	-	-	-	-	N	N	N	N	
193f_7	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193f_8	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
193f_9	RNWH	N	-	-	-	-	-	N	N	N	N	
193f_10	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
194b_4	RNWH	N	-	-	-	-	-	N	N	N	N	
194b_6	RNWH	N	-	-	-	-	-	N	N	N	N	
194b_7	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
194d_1	RNWH	Y	4.506	0.611	50	3.57	0.89	Y	N	Y	N	blushing fins
194f_7	RNWH	N	-	-	-	-	-	N	N	N	N	
197b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
198k_1	RNWH	N	-	-	-	-	-	N	N	N	N	
198s_1	RNWH	N	-	-	-	-	-	N	N	N	N	
198s_2	RNWH	N	-	-	-	-	-	N	N	N	N	
199a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
199a_2	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
199a_3	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
199b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
199b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
199b_4	RNWH	N	-	-	-	-	-	N	N	N	N	
199b_5	RNWH	N	-	-	-	-	-	N	N	N	N	
199c_1	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
199c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
200c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
200d_1	RNWH	Y	3.689	1.683	100	2.72	0.99	Y	Y	Y	Y	
200e_3	RNWH	Y	8.322	0.725	12.5	9.29	1.28	Y	N	Y	N	
200f_2	RNWH	N	-	-	-	-	-	N	N	N	N	
200f_3	RNWH	N	-	-	-	-	-	N	N	N	N	
200o_1	RNWH	N	-	-	-	-	-	N	N	N	N	
201b_1	RNWH	Y	2.325	1.11	100	0.75	1.00	Y	N	Y	N	
201c_3	RNWH	Y	2.422	1.375	100	0.49	-	Y	N	Y	N	weight unreliable
201e_2	RNWH	N	-	-	-	-	-	N	N	N	N	
201e_3	RNWH	N	-	-	-	-	-	N	N	N	N	
201e_4	RNWH	N	-	-	-	-	-	N	N	N	N	
201e_5	RNWH	N	-	-	-	-	-	N	N	N	N	
201f_1	RNWH	N	-	-	-	-	-	N	N	N	N	
201g_2	RNWH	N	-	-	-	-	-	N	N	N	N	
202a_1	RNWH	Y	5.954	0.312	25	9.69	1.49	Y	Y	Y	Y	
205d_3	RNWH	N	-	-	-	-	-	N	N	N	N	
205j_1	RNWH	N	-	-	-	-	-	N	N	N	N	
206a_1	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206a_2	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
206a_5	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206a_6	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206a_10	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206a_11	RNWH	N	-	-	-	-	-	N	N	N	N	
206a_12	RNWH	N	-	-	-	-	-	N	N	N	N	
206a_13	RNWH	N	-	-	-	-	-	N	N	N	N	
206a_14	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206a_15	RNWH	N	-	-	-	-	-	N	N	N	N	
206a_16	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206a_17	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206a_19	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206a_20	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
206b_2	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
206b_3	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206b_4	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206b_5	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206b_6	RNWH	N	-	-	-	-	-	N	N	N	N	
206b_7	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
206d_1	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206e_1	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206e_2	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206f_1	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206f_2	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206f_3	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206g_1	RNWH	N	-	-	-	-	-	N	N	N	N	
206g_4	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206g_5	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206h_2	RNWH	N	-	-	-	-	-	N	N	N	N	
206h_3	RNWH	N	-	-	-	-	-	N	N	N	N	
206h_4	RNWH	N	-	-	-	-	-	N	N	N	N	
206h_5	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206h_6	RNWH	N	-	-	-	-	-	N	N	N	N	
206h_8	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206h_9	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206h_10	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206h_12	RNWH	N	-	-	-	-	-	N	N	N	N	
206h_13	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206h_14	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206i_6	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206i_7	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206k_2	RNWH	N	-	-	-	-	-	N	N	N	N	
206m_1	RNWH	N	-	-	-	-	-	N	N	N	N	
206n_1	RNWH	N	-	-	-	-	-	N	N	N	N	
206n_2	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206o_3	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
206r_1	RNWH	N	-	-	-	-	-	N	N	N	N	
207a_1	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
207b_9	RNWH	N	-	-	-	-	-	N	N	N	N	
208a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
208a_2	RNWH	N	-	-	-	-	-	N	N	N	N	
208b_1	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
209b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
209b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
209c_1	RNWH	Y	7.507	1.736	75	14.00	2.15	Y	N	Y	N	
209c_3	RNWH	N	-	-	-	-	-	N	N	N	N	
209c_4	RNWH	N	-	-	-	-	-	N	N	N	N	
209m_1	RNWH	N	-	-	-	-	-	N	N	N	N	
210e_1	RNWH	N	-	-	-	-	-	N	N	N	N	
211a_4	RNWH	N	-	-	-	-	-	N	N	N	N	
211b_3	RNWH	N	-	-	-	-	-	N	N	N	N	
211b_4	RNWH	N	-	-	-	-	-	N	N	N	N	
211c_2	RNWH	N	-	-	-	-	-	N	N	N	N	
211e_2	RNWH	N	-	-	-	-	-	N	N	N	N	
214b_2	RNWH	N	-	-	-	-	-	N	N	N	N	
214k_3	RNWH	N	-	-	-	-	-	N	N	N	N	
215e_1	RNWH	N	-	-	-	-	-	N	N	N	N	
215e_2	RNWH	N	-	-	-	-	-	N	N	N	N	
216l_2	RNWH	N	-	-	-	-	-	N	N	N	N	
218j_2	RNWH	N	-	-	-	-	-	N	N	N	N	
219b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
219d_1	RNWH	N	-	-	-	-	-	N	N	N	N	
220d_2	RNWH	N	-	-	-	-	-	N	N	N	N	
220h_1	RNWH	N	-	-	-	-	-	N	N	N	N	
220j_2	RNWH	N	-	-	-	-	-	N	N	N	N	
220l_1	RNWH	N	-	-	-	-	-	N	N	N	N	
220n_1	RNWH	N	-	-	-	-	-	N	N	N	N	
221c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
222c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
224c_1	RNWH	N	-	-	-	-	-	N	N	N	N	
226a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
230a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
230b_1	RNWH	N	-	-	-	-	-	N	N	N	N	

Sample ID	Species Code	DBA ¹	Stomach + Content Weight	Stomach Content Weight	Stomach Fullness	Liver Weight	HSI	Liver Metals Sample?	Analyzed for Metals?	Tissue Metals Sample?	Analyzed for Metals & Mercury?	Comments (including results of internal/external examination including DELT) ²
net.set_fish		(Y/N)	(g)	(g)	(%)	(g)	(%)	(Y/N)	(Y/N)	(Y/N)	(Y/N)	
230b_4	RNWH	N	-	-	-	-	-	N	N	N	N	
230d_1	RNWH	N	-	-	-	-	-	N	N	N	N	
230d_6	RNWH	N	-	-	-	-	-	N	N	N	N	
231a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
231b_2	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
231c_2	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
231c_3	RNWH	N	-	-	-	-	-	N	N	N	N	dwarf
232a_1	RNWH	N	-	-	-	-	-	N	N	N	N	
232b_1	RNWH	N	-	-	-	-	-	N	N	N	N	
232c_5	RNWH	N	-	-	-	-	-	N	N	N	N	

Notes:

UN = Unknown, nd = no data

1 - DBA = detailed biological assessment

2- if the fish was deemed healthy the comments were left blank

APPENDIX 6.

NET SET LOCATIONS AND DURATION, INCLUDING DAILY BIOMASS AND CATCH USED TO CALCULATE CPUE DURING THE FISH-OUT OF THE BAY-GOOSE IMPOUNDMENT 2010

Appendix 6. Net set locations and duration including daily biomass and catch used to calculate the CPUE during the fish-out of the Bay-Goose Basin, 2010.

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
CPUE	001a	6-Aug-10	6-Aug-10	14W	638613	7213027	25	5.9	638759	7212982	126	6.1	8:55	11:10	2.25	11	4	1525	136.2	25,38,51,76,102,126	
CPUE	001b	6-Aug-10	6-Aug-10	14W	638613	7213027	25	5.9	638759	7212982	126	6.1	11:10	13:55	2.75	13	1	325	136.2	25,38,51,76,102,126	
CPUE	001c	6-Aug-10	6-Aug-10	14W	638613	7213027	25	5.9	638759	7212982	126	6.1	13:55	15:30	1.58	13	1	525	136.2	25,38,51,76,102,126	
CPUE	002a	6-Aug-10	6-Aug-10	14W	639044	7213064	25	3.3	638924	7212987	126	4.6	9:10	11:40	2.50	11	6	1250	136.2	25,38,51,76,102,126	
CPUE	002b	6-Aug-10	6-Aug-10	14W	639044	7213064	25	3.3	638924	7212987	126	4.6	11:40	14:30	2.83	13	6	1275	136.2	25,38,51,76,102,126	
CPUE	002c	6-Aug-10	6-Aug-10	14W	639044	7213064	25	3.3	638924	7212987	126	4.6	14:30	15:50	1.33	13	3	300	136.2	25,38,51,76,102,126	
CPUE	003a	6-Aug-10	6-Aug-10	14W	639043	7213029	25	3.4	638927	7212942	126	5.3	9:22	12:00	2.63	11	2	552	136.2	25,38,51,76,102,126	
CPUE	003b	6-Aug-10	6-Aug-10	14W	639043	7213029	25	3.4	638927	7212942	126	5.3	12:00	14:50	2.83	13	5	3475	136.2	25,38,51,76,102,126	
CPUE	003c	6-Aug-10	6-Aug-10	14W	639043	7213029	25	3.4	638927	7212942	126	5.3	14:50	16:16	1.43	13	6	2549	136.2	25,38,51,76,102,126	
CPUE	004a	7-Aug-10	7-Aug-10	14W	638651	7212378	25	5	638653	7212543	126	5.9	13:37	15:44	2.12	15	1	21	136.2	25,38,51,76,102,126	
CPUE	004b	7-Aug-10	7-Aug-10	14W	638651	7212378	25	5	638653	7212543	126	5.9	15:44	17:36	1.87	15	2	287	136.2	25,38,51,76,102,126	
CPUE	005a	7-Aug-10	7-Aug-10	14W	638523	7212407	126	7	638567	7212543	25	2.3	14:05	15:55	1.83	15	7	6625	136.2	25,38,51,76,102,126	
CPUE	005b	7-Aug-10	7-Aug-10	14W	638523	7212407	126	7	638567	7212543	25	2.3	15:55	17:55	2.00	15	0	0	136.2	25,38,51,76,102,126	
CPUE	006a	7-Aug-10	7-Aug-10	14W	638438	7212458	126	7.2	638504	7212600	25	1.8	14:20	16:40	2.33	15	1	400	136.2	25,38,51,76,102,126	
CPUE	007a	7-Aug-10	7-Aug-10	14W	638571	7212393	25	5	638612	7212534	126	6.6	14:30	17:05	2.58	16	6	1121	136.2	25,38,51,76,102,126	
CPUE	008a	8-Aug-10	8-Aug-10	14W	638558	7212880	25	0.9	638602	7212991	126	5	8:45	10:45	2.00	14	6	1156	136.2	25,38,51,76,102,126	
CPUE	008b	8-Aug-10	8-Aug-10	14W	638558	7212880	25	0.9	638602	7212991	126	5	10:45	13:50	3.08	16	1	325	136.2	25,38,51,76,102,126	
CPUE	008c	8-Aug-10	8-Aug-10	14W	638558	7212880	25	0.9	638602	7212991	126	5	13:50	15:55	2.08	17	2	181	136.2	25,38,51,76,102,126	
CPUE	009a	8-Aug-10	8-Aug-10	14W	638510	7212835	126	1	638404	7212835	25	6	9:00	11:15	2.25	14	8	2393	136.2	25,38,51,76,102,126	
CPUE	009b	8-Aug-10	8-Aug-10	14W	638510	7212835	126	1	638404	7212835	25	6	11:15	14:25	3.17	16	9	2325	136.2	25,38,51,76,102,126	
CPUE	009c	8-Aug-10	8-Aug-10	14W	638510	7212835	126	1	638404	7212835	25	6	14:25	16:10	1.75	17	6	3450	136.2	25,38,51,76,102,126	
CPUE	010a	8-Aug-10	8-Aug-10	14W	638390	7212740	126	7.8	638321	7212587	25	1.1	9:40	11:43	2.05	17	0	0	136.2	25,38,51,76,102,126	
CPUE	010b	8-Aug-10	8-Aug-10	14W	638390	7212740	126	7.8	638321	7212587	25	1.1	11:43	15:45	4.03	16	4	1881	136.2	25,38,51,76,102,126	
CPUE	010c	8-Aug-10	8-Aug-10	14W	638390	7212740	126	7.8	638321	7212587	25	1.1	15:45	17:30	1.75	17	1	550	136.2	25,38,51,76,102,126	
CPUE	011a	9-Aug-10	9-Aug-10	14W	638377	7212629	25	8.1	638531	7212593	126	1.3	8:30	10:50	2.33	15	3	665	136.2	25,38,51,76,102,126	
CPUE	011b	9-Aug-10	9-Aug-10	14W	638377	7212629	25	8.1	638531	7212593	126	1.3	10:50	14:00	3.17	14	3	775	136.2	25,38,51,76,102,126	
CPUE	011c	9-Aug-10	9-Aug-10	14W	638377	7212629	25	8.1	638531	7212593	126	1.3	14:00	16:10	2.17	14	2	775	136.2	25,38,51,76,102,126	
CPUE	012a	9-Aug-10	9-Aug-10	14W	638396	7212695	25	9.1	638550	7212639	126	4.4	9:10	11:20	2.17	15	0	0	136.2	25,38,51,76,102,126	
CPUE	012b	9-Aug-10	9-Aug-10	14W	638396	7212695	25	9.1	638550	7212639	126	4.4	11:20	14:35	3.25	15	4	500	136.2	25,38,51,76,102,126	
CPUE	012c	9-Aug-10	9-Aug-10	14W	638396	7212695	25	9.1	638550	7212639	126	4.4	14:35	16:25	1.83	15	1	50	136.2	25,38,51,76,102,126	
CPUE	013a	9-Aug-10	9-Aug-10	14W	638444	7212736	25	6.1	638575	7212714	126	1.5	9:45	11:35	1.83	15	0	0	136.2	25,38,51,76,102,126	
CPUE	013b	9-Aug-10	9-Aug-10	14W	638444	7212736	25	6.1	638575	7212714	126	1.5	11:35	14:51	3.27	15	4	1000	136.2	25,38,51,76,102,126	
CPUE	013c	9-Aug-10	9-Aug-10	14W	638444	7212736	25	6.1	638575	7212714	126	1.5	14:51	16:45	1.90	15	7	1900	136.2	25,38,51,76,102,126	
CPUE	014a	10-Aug-10	10-Aug-10	14W	638647	7213075	126	6	638698	7213198	25	1	8:25	10:10	1.75	16	2	1250	136.2	25,38,51,76,102,126	
CPUE	014b	10-Aug-10	10-Aug-10	14W	638647	7213075	126	6	638698	7213198	25	1	10:10	12:40	2.50	16	0	0	136.2	25,38,51,76,102,126	
CPUE	014c	10-Aug-10	10-Aug-10	14W	638647	7213075	126	6	638698	7213198	25	1	12:40	14:45	2.08	16	0	0	136.2	25,38,51,76,102,126	
CPUE	014d	10-Aug-10	10-Aug-10	14W	638647	7213075	126	6	638698	7213198	25	1	14:45	16:05	1.33	16	1	25	136.2	25,38,51,76,102,126	
CPUE	015a	10-Aug-10	10-Aug-10	14W	638648	7213071	25	6.3	638729	7213198	126	4.2	8:41	10:30	1.82	16	3	1950	136.2	25,38,51,76,102,126	
CPUE	015b	10-Aug-10	10-Aug-10	14W	638648	7213071	25	6.3	638729	7213198	126	4.2	10:30	13:00	2.50	16	2	1825	136.2	25,38,51,76,102,126	
CPUE	015c	10-Aug-10	10-Aug-10	14W	638648	7213071	25	6.3	638729	7213198	126	4.2	13:00	15:15	2.25	16	2	275	136.2	25,38,51,76,102,126	
CPUE	015d	10-Aug-10	10-Aug-10	14W	638648	7213071	25	6.3	638729	7213198	126	4.2	15:15	16:15	1.00	16	0	0	136.2	25,38,51,76,102,126	
CPUE	016a	10-Aug-10	10-Aug-10	14W	638751	7213195	25	4.7	638753	7213056	126	4	8:50	10:45	1.92	16	3	3175	136.2	25,38,51,76,102,126	
CPUE	016b	10-Aug-10	10-Aug-10	14W	638751	7213195	25	4.7	638753	7213056	126	4	10:45	13:15	2.50	16	1	200	136.2	25,38,51,76,102,126	
CPUE	016c	10-Aug-10	10-Aug-10	14W	638751	7213195	25	4.7	638753	7213056	126	4	13:15	14:50	1.58	16	0	0	136.2	25,38,51,76,102,126	
CPUE	016d	10-Aug-10	10-Aug-10	14W	638751	7213195	25	4.7	638753	7213056	126	4	14:50	16:35	1.75	16	1	100	136.2	25,38,51,76,102,126	
CPUE	017a	11-Aug-10	11-Aug-10	14W	638730	7212907	126	6.1	638841	7212984	25	11.3	8:30	10:20	1.83	15	5	1125	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
CPUE	017b	11-Aug-10	11-Aug-10	14W	638730	7212907	126	6.1	638841	7212984	25	11.3	10:20	13:00	2.67	15	2	440	136.2	25,38,51,76,102,126	
CPUE	017c	11-Aug-10	11-Aug-10	14W	638730	7212907	126	6.1	638841	7212984	25	11.3	13:00	15:30	2.50	14	1	82	136.2	25,38,51,76,102,126	
CPUE	018a	11-Aug-10	11-Aug-10	14W	638722	7212793	126	6.3	638832	7212887	25	4.9	8:50	10:50	2.00	15	0	0	136.2	25,38,51,76,102,126	
CPUE	018b	11-Aug-10	11-Aug-10	14W	638722	7212793	126	6.3	638832	7212887	25	4.9	10:50	13:20	2.50	15	4	948	136.2	25,38,51,76,102,126	
CPUE	018c	11-Aug-10	11-Aug-10	14W	638722	7212793	126	6.3	638832	7212887	25	4.9	13:20	15:45	2.42	14	0	0	136.2	25,38,51,76,102,126	
CPUE	019a	11-Aug-10	11-Aug-10	14W	638837	7212912	25	3.3	638877	7213048	126	1.7	9:10	11:10	2.00	15	4	483	136.2	25,38,51,76,102,126	
CPUE	019b	11-Aug-10	11-Aug-10	14W	638837	7212912	25	3.3	638877	7213048	126	1.7	11:10	13:45	2.58	15	3	100	136.2	25,38,51,76,102,126	
CPUE	019c	11-Aug-10	11-Aug-10	14W	638837	7212912	25	3.3	638877	7213048	126	1.7	13:45	16:00	2.25	14	5	1725	136.2	25,38,51,76,102,126	
CPUE	020a	11-Aug-10	11-Aug-10	14W	638610	7212404	25	5.8	638484	7212416	126	5.7	9:25	11:08	1.72	13	3	850	136.2	25,38,51,76,102,126	
CPUE	020b	11-Aug-10	11-Aug-10	14W	638610	7212404	25	5.8	638484	7212416	126	5.7	11:08	13:37	2.48	13	2	1700	136.2	25,38,51,76,102,126	
CPUE	020c	11-Aug-10	11-Aug-10	14W	638610	7212404	25	5.8	638484	7212416	126	5.7	13:37	15:56	2.32	15	1	550	136.2	25,38,51,76,102,126	
CPUE	021a	11-Aug-10	11-Aug-10	14W	638480	7212535	25	4.3	638392	7212650	126	11.6	9:40	11:34	1.90	14	7	872	136.2	25,38,51,76,102,126	
CPUE	021b	11-Aug-10	11-Aug-10	14W	638480	7212535	25	4.3	638392	7212650	126	11.6	11:34	13:56	2.37	14	1	300	136.2	25,38,51,76,102,126	
CPUE	021c	11-Aug-10	11-Aug-10	14W	638480	7212535	25	4.3	638392	7212650	126	11.6	13:56	16:10	2.23	13	4	332	136.2	25,38,51,76,102,126	
CPUE	022a	11-Aug-10	11-Aug-10	14W	638909	7213235	126	5.4	638855	7213371	25	5.3	9:55	11:56	2.02	15	0	0	136.2	25,38,51,76,102,126	
CPUE	022b	11-Aug-10	11-Aug-10	14W	638909	7213235	126	5.4	638855	7213371	25	5.3	11:56	14:10	2.23	15	2	675	136.2	25,38,51,76,102,126	
CPUE	022c	11-Aug-10	11-Aug-10	14W	638909	7213235	126	5.4	638855	7213371	25	5.3	14:10	16:34	2.40	15	1	150	136.2	25,38,51,76,102,126	
CPUE	023a	12-Aug-10	12-Aug-10	14W	638916	7212567	126	1	638891	7212704	25	3.3	8:00	9:45	1.75	14	3	871	136.2	25,38,51,76,102,126	
CPUE	023b	12-Aug-10	12-Aug-10	14W	638916	7212567	126	1	638891	7212704	25	3.3	9:45	12:30	2.75	15	0	0	136.2	25,38,51,76,102,126	
CPUE	023c	12-Aug-10	12-Aug-10	14W	638916	7212567	126	1	638891	7212704	25	3.3	12:30	14:30	2.00	14	2	1000	136.2	25,38,51,76,102,126	
CPUE	023d	12-Aug-10	12-Aug-10	14W	638916	7212567	126	1	638891	7212704	25	3.3	14:30	16:50	2.33	14	1	25	136.2	25,38,51,76,102,126	
CPUE	024a	12-Aug-10	12-Aug-10	14W	638753	7212535	25	3.4	638755	7212683	126	6.8	8:10	10:05	1.92	15	3	142	136.2	25,38,51,76,102,126	
CPUE	024b	12-Aug-10	12-Aug-10	14W	638753	7212535	25	3.4	638755	7212683	126	6.8	10:05	12:45	2.67	15	3	950	136.2	25,38,51,76,102,126	
CPUE	024c	12-Aug-10	12-Aug-10	14W	638753	7212535	25	3.4	638755	7212683	126	6.8	12:45	14:45	2.00	14	1	300	136.2	25,38,51,76,102,126	
CPUE	024d	12-Aug-10	12-Aug-10	14W	638753	7212535	25	3.4	638755	7212683	126	6.8	14:45	17:10	2.42	14	5	288	136.2	25,38,51,76,102,126	
CPUE	025a	12-Aug-10	12-Aug-10	14W	638844	7212750	25	4.8	638751	7212684	126	6.6	8:30	10:25	1.92	15	2	250	136.2	25,38,51,76,102,126	
CPUE	025b	12-Aug-10	12-Aug-10	14W	638844	7212750	25	4.8	638751	7212684	126	6.6	10:25	13:10	2.75	15	1	100	136.2	25,38,51,76,102,126	
CPUE	025c	12-Aug-10	12-Aug-10	14W	638844	7212750	25	4.8	638751	7212684	126	6.6	13:10	15:05	1.92	14	1	25	136.2	25,38,51,76,102,126	
CPUE	025d	12-Aug-10	12-Aug-10	14W	638844	7212750	25	4.8	638751	7212684	126	6.6	15:05	17:30	2.42	14	0	0	136.2	25,38,51,76,102,126	
CPUE	026a	12-Aug-10	12-Aug-10	14W	638362	7212291	25	8.2	638493	7212332	126	5.9	8:28	10:11	1.72	15	1	1800	136.2	25,38,51,76,102,126	
CPUE	026b	12-Aug-10	12-Aug-10	14W	638362	7212291	25	8.2	638493	7212332	126	5.9	10:11	12:42	2.52	15	1	1600	136.2	25,38,51,76,102,126	
CPUE	026c	12-Aug-10	12-Aug-10	14W	638362	7212291	25	8.2	638493	7212332	126	5.9	12:42	14:45	2.05	13	1	8750	136.2	25,38,51,76,102,126	
CPUE	026d	12-Aug-10	12-Aug-10	14W	638362	7212291	25	8.2	638493	7212332	126	5.9	14:45	16:47	2.03	13	0	0	136.2	25,38,51,76,102,126	
CPUE	027a	12-Aug-10	12-Aug-10	14W	638547	7212082	126	5.1	638617	7212197	25	2.9	8:35	10:20	1.75	14	0	0	136.2	25,38,51,76,102,126	
CPUE	027b	12-Aug-10	12-Aug-10	14W	638547	7212082	126	5.1	638617	7212197	25	2.9	10:20	12:58	2.63	14	2	275	136.2	25,38,51,76,102,126	
CPUE	027c	12-Aug-10	12-Aug-10	14W	638547	7212082	126	5.1	638617	7212197	25	2.9	12:58	15:12	2.23	13	1	50	136.2	25,38,51,76,102,126	
CPUE	027d	12-Aug-10	12-Aug-10	14W	638547	7212082	126	5.1	638617	7212197	25	2.9	15:12	16:55	1.72	13	0	0	136.2	25,38,51,76,102,126	
CPUE	028a	12-Aug-10	12-Aug-10	14W	638666	7212190	25	5.2	638567	7212300	126	2.3	8:46	10:36	1.83	15	6	375	136.2	25,38,51,76,102,126	
CPUE	028b	12-Aug-10	12-Aug-10	14W	638666	7212190	25	5.2	638567	7212300	126	2.3	10:36	13:13	2.62	15	4	2150	136.2	25,38,51,76,102,126	
CPUE	028c	12-Aug-10	12-Aug-10	14W	638666	7212190	25	5.2	638567	7212300	126	2.3	13:13	15:23	2.17	14	1	25	136.2	25,38,51,76,102,126	
CPUE	028d	12-Aug-10	12-Aug-10	14W	638666	7212190	25	5.2	638567	7212300	126	2.3	15:23	17:09	1.77	14	0	0	136.2	25,38,51,76,102,126	
CPUE	029a	13-Aug-10	13-Aug-10	14W	639035	7213059	126	3.4	638949	7212939	25	3.2	9:00	11:00	2.00	13	2	82	136.2	25,38,51,76,102,126	
CPUE	029b	13-Aug-10	13-Aug-10	14W	639035	7213059	126	3.4	638949	7212939	25	3.2	11:00	13:35	2.58	13	3	136	136.2	25,38,51,76,102,126	
CPUE	029c	13-Aug-10	13-Aug-10	14W	639035	7213059	126	3.4	638949	7212939	25	3.2	13:35	16:15	2.67	13	4	358	136.2	25,38,51,76,102,126	
CPUE	030a	13-Aug-10	13-Aug-10	14W	639018	7213054	25	3.8	638939	7212941	126	4.3	9:10	11:15	2.08	13	5	556	136.2	25,38,51,76,102,126	
CPUE	030b	13-Aug-10	13-Aug-10	14W	639018	7213054	25	3.8	638939	7212941	126	4.3	11:15	14:00	2.75	13	2	77	136.2	25,38,51,76,102,126	
CPUE	030c	13-Aug-10	13-Aug-10	14W	639018	7213054	25	3.8	638939	7212941	126	4.3	14:00	16:15	2.25	13	0	0	136.2	25,38,51,76,102,126	
CPUE	031a	13-Aug-10	13-Aug-10	14W	638943	7213024	126	1.6	638978	7213135	25	4.6	9:30	11:35	2.08	13	4	575	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
CPUE	031b	13-Aug-10	13-Aug-10	14W	638943	7213024	126	1.6	638978	7213135	25	4.6	11:35	13:55	2.33	13	6	890	136.2	25,38,51,76,102,126	
CPUE	031c	13-Aug-10	13-Aug-10	14W	638943	7213024	126	1.6	638978	7213135	25	4.6	13:55	16:40	2.75	13	2	83	136.2	25,38,51,76,102,126	
CPUE	032a	13-Aug-10	13-Aug-10	14W	638757	7212748	25	6.8	638664	7212630	126	2.2	9:00	11:00	2.00	13	0	0	136.2	25,38,51,76,102,126	
CPUE	032b	13-Aug-10	13-Aug-10	14W	638757	7212748	25	6.8	638664	7212630	126	2.2	11:00	13:50	2.83	13	4	469	136.2	25,38,51,76,102,126	
CPUE	032c	13-Aug-10	13-Aug-10	14W	638757	7212748	25	6.8	638664	7212630	126	2.2	13:50	16:15	2.42	13	1	200	136.2	25,38,51,76,102,126	
CPUE	033a	13-Aug-10	13-Aug-10	14W	638651	7212760	126	2	638655	7212608	25	4.8	9:10	11:10	2.00	13	5	823	136.2	25,38,51,76,102,126	
CPUE	033b	13-Aug-10	13-Aug-10	14W	638651	7212760	126	2	638655	7212608	25	4.8	11:10	14:05	2.92	13	3	169	136.2	25,38,51,76,102,126	
CPUE	033c	13-Aug-10	13-Aug-10	14W	638651	7212760	126	2	638655	7212608	25	4.8	14:05	16:30	2.42	13	4	2993	136.2	25,38,51,76,102,126	
CPUE	034a	13-Aug-10	13-Aug-10	14W	638879	7213369	25	2	638910	7213226	126	5.5	9:20	11:30	2.17	13	7	873	136.2	25,38,51,76,102,126	
CPUE	034b	13-Aug-10	13-Aug-10	14W	638879	7213369	25	2	638910	7213226	126	5.5	11:30	14:30	3.00	13	5	717	136.2	25,38,51,76,102,126	
CPUE	034c	13-Aug-10	13-Aug-10	14W	638879	7213369	25	2	638910	7213226	126	5.5	14:30	16:45	2.25	13	0	0	136.2	25,38,51,76,102,126	
CPUE	035a	15-Aug-10	15-Aug-10	14W	638694	7212603	25	6.3	638603	7212485	126	4.1	8:00	10:00	2.00	11	0	0	136.2	25,38,51,76,102,126	
CPUE	035b	15-Aug-10	15-Aug-10	14W	638694	7212603	25	6.3	638603	7212485	126	4.1	10:00	12:30	2.50	11	7	4823	136.2	25,38,51,76,102,126	
CPUE	036a	15-Aug-10	15-Aug-10	14W	638731	7212557	25	5	638666	7212429	125	5.4	8:20	10:15	1.92	11	2	1122	136.2	25,38,51,76,102,126	
CPUE	036b	15-Aug-10	15-Aug-10	14W	638731	7212557	25	5	638666	7212429	125	5.4	10:15	14:00	3.75	11	1	150	136.2	25,38,51,76,102,126	
CPUE	036c	15-Aug-10	15-Aug-10	14W	638731	7212557	25	5	638666	7212429	125	5.4	14:00	16:15	2.25	11	3	376	136.2	25,38,51,76,102,126	
CPUE	037a	15-Aug-10	15-Aug-10	14W	638656	7212402	126	5.8	638539	7212486	25	4.8	8:30	10:30	2.00	11	0	0	136.2	25,38,51,76,102,126	
CPUE	037b	15-Aug-10	15-Aug-10	14W	638656	7212402	126	5.8	638539	7212486	25	4.8	10:30	14:15	3.75	11	7	1733	136.2	25,38,51,76,102,126	
CPUE	037c	15-Aug-10	15-Aug-10	14W	638656	7212402	126	5.8	638539	7212486	25	4.8	14:15	16:35	2.33	11	0	0	136.2	25,38,51,76,102,126	
CPUE	038a	15-Aug-10	15-Aug-10	14W	638671	7213112	126	5.4	638705	7212987	25	1.7	8:35	10:35	2.00	11	1	95	136.2	25,38,51,76,102,126	
CPUE	038b	15-Aug-10	15-Aug-10	14W	638671	7213112	126	5.4	638705	7212987	25	1.7	10:35	12:50	2.25	11	0	0	136.2	25,38,51,76,102,126	
CPUE	038c	15-Aug-10	15-Aug-10	14W	638671	7213112	126	5.4	638705	7212987	25	1.7	12:50	15:00	2.17	11	1	200	136.2	25,38,51,76,102,126	
CPUE	038d	15-Aug-10	15-Aug-10	14W	638671	7213112	126	5.4	638705	7212987	25	1.7	15:00	17:15	2.25	11	2	125	136.2	25,38,51,76,102,126	
CPUE	039a	15-Aug-10	15-Aug-10	14W	638325	7212580	25	6	638469	7212571	126	1	8:45	10:50	2.08	11	3	275	136.2	25,38,51,76,102,126	
CPUE	039b	15-Aug-10	15-Aug-10	14W	638325	7212580	25	6	638469	7212571	126	1	10:50	13:00	2.17	11	4	600	136.2	25,38,51,76,102,126	
CPUE	039c	15-Aug-10	15-Aug-10	14W	638325	7212580	25	6	638469	7212571	126	1	13:00	15:15	2.25	12	2	275	136.2	25,38,51,76,102,126	
CPUE	039d	15-Aug-10	15-Aug-10	14W	638325	7212580	25	6	638469	7212571	126	1	15:15	17:30	2.25	11	0	0	136.2	25,38,51,76,102,126	
CPUE	040a	15-Aug-10	15-Aug-10	14W	638504	7212376	25	8	638443	7212262	126	3	8:55	11:10	2.25	11	1	25	136.2	25,38,51,76,102,126	
CPUE	041a	15-Aug-10	15-Aug-10	14W	638743	7213031	25	7.4	638739	7212914	126	5	11:20	13:30	2.17	11	1	53	136.2	25,38,51,76,102,126	
CPUE	041b	15-Aug-10	15-Aug-10	14W	638743	7213031	25	7.4	638739	7212914	126	5	13:30	15:35	2.08	12	1	500	136.2	25,38,51,76,102,126	
CPUE	041c	15-Aug-10	15-Aug-10	14W	638743	7213031	25	7.4	638739	7212914	126	5	15:35	17:45	2.17	11	2	293	136.2	25,38,51,76,102,126	
CPUE	042a	16-Aug-10	16-Aug-10	14W	639090	7213047	25	2	639000	7212980	126	5.7	7:55	9:50	1.92	11	2	1200	136.2	25,38,51,76,102,126	
CPUE	042b	16-Aug-10	16-Aug-10	14W	639090	7213047	25	2	639000	7212980	126	5.7	9:50	12:45	2.92	11	1	750	136.2	25,38,51,76,102,126	
CPUE	042c	16-Aug-10	16-Aug-10	14W	639090	7213047	25	2	639000	7212980	126	5.7	12:45	15:20	2.58	11	2	1575	136.2	25,38,51,76,102,126	
CPUE	043a	16-Aug-10	16-Aug-10	14W	638819	7212873	126	6.7	638892	7212750	25	2.1	8:05	10:05	2.00	11	7	875	136.2	25,38,51,76,102,126	
CPUE	043b	16-Aug-10	16-Aug-10	14W	638819	7212873	126	6.7	638892	7212750	25	2.1	10:05	13:00	2.92	11	2	700	136.2	25,38,51,76,102,126	
CPUE	043c	16-Aug-10	16-Aug-10	14W	638819	7212873	126	6.7	638892	7212750	25	2.1	13:00	15:30	2.50	11	6	148	136.2	25,38,51,76,102,126	
CPUE	044a	16-Aug-10	16-Aug-10	14W	638737	7213435	126	1.5	638865	7213371	25	2.7	8:20	10:25	2.08	11	2	425	136.2	25,38,51,76,102,126	
CPUE	044b	16-Aug-10	16-Aug-10	14W	638737	7213435	126	1.5	638865	7213371	25	2.7	10:25	13:20	2.92	11	5	800	136.2	25,38,51,76,102,126	
CPUE	044c	16-Aug-10	16-Aug-10	14W	638737	7213435	126	1.5	638865	7213371	25	2.7	13:20	15:50	2.5	11	0	0	136.2	25,38,51,76,102,126	
CPUE	045a	17-Aug-10	17-Aug-10	14W	638803	7213418	126	3.6	638896	7213313	25	1.5	9:10	10:50	1.7	10	0	0	136.2	25,38,51,76,102,126	
CPUE	045b	17-Aug-10	17-Aug-10	14W	638803	7213418	126	3.6	638896	7213313	25	1.5	10:50	15:40	4.83	10	2	350	136.2	25,38,51,76,102,126	
CPUE	046a	17-Aug-10	17-Aug-10	14W	638916	7213265	126	1.6	638943	7213127	25	6.3	9:20	11:05	1.75	10	1	23	136.2	25,38,51,76,102,126	
CPUE	046b	17-Aug-10	17-Aug-10	14W	638916	7213265	126	1.6	638943	7213127	25	6.3	11:05	16:10	5.08	10	8	1100	136.2	25,38,51,76,102,126	
CPUE	047a	17-Aug-10	17-Aug-10	14W	638773	7213191	126	1.4	638693	7213109	25	6	9:30	11:20	1.8	10	0	0	136.2	25,38,51,76,102,126	
CPUE	045c	17-Aug-10	19-Aug-10	14W	638803	7213418	126	3.6	638896	7213313	25	1.5	15:40	9:08	41.47	8	11	2491	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 18, 2010

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
CPUE	046c	17-Aug-10	19-Aug-10	14W	638916	7213265	126	1.6	638943	7213127	25	6.3	16:10	9:53	41.72	8	9	2780	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 18, 2010
CPUE	048a	17-Aug-10	19-Aug-10	14W	638233	7213095	25	1.5	638335	7213010	126	5.9	13:40	10:50	45.17	8	30	4935	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 18, 2010
CPUE	049a	17-Aug-10	19-Aug-10	14W	638491	7213022	126	5	638450	7212896	25	2.5	13:55	10:05	44.17	9	30	5630	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 18, 2010
CPUE	050a	17-Aug-10	19-Aug-10	14W	638336	7212974	25	6.1	638399	7212843	126	6.2	14:05	9:40	43.58	9	13	1475	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 18, 2010
CPUE	051a	17-Aug-10	19-Aug-10	14W	638771	7212908	126	7	638823	7212771	25	5	15:10	10:32	43.37	9	19	2017	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 18, 2010
CPUE	052a	17-Aug-10	19-Aug-10	14W	638571	7212684	126	2.5	638695	7212614	25	6	15:20	11:20	44.00	9	25	5058	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 18, 2010
CPUE	053a	19-Aug-10	20-Aug-10	14W	638460	7212755	126	1.9	638359	7212684	25	12.8	9:35	8:35	23.00	9	5	681	136.2	25,38,51,76,102,126	
CPUE	054a	19-Aug-10	20-Aug-10	14W	638327	7212957	25	6.5	638462	7212873	126	1.9	9:50	9:05	23.25	9	4	1925	136.2	25,38,51,76,102,126	
CPUE	055a	19-Aug-10	20-Aug-10	14W	638486	7213025	126	4.5	638353	7213043	25	4.5	10:30	9:20	22.83	9	13	3125	136.2	25,38,51,76,102,126	
CPUE	056a	19-Aug-10	20-Aug-10	14W	638237	7213087	25	1.6	638300	7212967	126	4.8	11:15	10:30	23.25	9	29	4739	136.2	25,38,51,76,102,126	
CPUE	057a	19-Aug-10	20-Aug-10	14W	638389	7212377	25	7.3	638517	7212328	126	6.9	12:45	13:35	24.83	8	5	549	136.2	25,38,51,76,102,126	
CPUE	058a	19-Aug-10	20-Aug-10	14W	638410	7212274	126	8	638543	7212223	25	5.1	13:01	14:40	25.65	8	3	375	136.2	25,38,51,76,102,126	
CPUE	059a	19-Aug-10	20-Aug-10	14W	638619	7212158	126	3.4	638485	7212203	25	5.8	13:15	14:50	25.58	8	5	237	136.2	25,38,51,76,102,126	
CPUE	060a	19-Aug-10	20-Aug-10	14W	638660	7212253	126	3.7	638515	7212283	25	6.2	13:25	15:00	25.58	8	6	1175	136.2	25,38,51,76,102,126	
CPUE	061a	20-Aug-10	21-Aug-10	14W	638352	7212822	25	8.3	638359	7212692	126	11.2	8:50	8:25	23.58	9	1	350	136.2	25,38,51,76,102,126	
CPUE	062a	20-Aug-10	21-Aug-10	14W	638562	7213050	25	1.3	638508	7212923	126	2.2	9:50	10:15	24.42	9	19	1389	136.2	25,38,51,76,102,126	
CPUE	063a	20-Aug-10	21-Aug-10	14W	638685	7212550	25	5.2	638568	7212550	126	2.1	14:00	9:30	19.50	9	1	150	136.2	25,38,51,76,102,126	
CPUE	064a	20-Aug-10	21-Aug-10	14W	638715	7212511	126	4.9	638756	7212644	25	7	14:25	9:55	19.08	9	5	1125	136.2	25,38,51,76,102,126	
CPUE	065a	21-Aug-10	21-Aug-10	14W	638419	7212901	25	5.4	638300	7212898	126	6.8	8:35	16:05	7.50	10	2	56	136.2	25,38,51,76,102,126	
CPUE	065b	21-Aug-10	22-Aug-10	14W	638419	7212901	25	5.4	638300	7212898	126	6.8	16:05	17:20	25.25	10	5	1192	136.2	25,38,51,76,102,126	
CPUE	066a	21-Aug-10	21-Aug-10	14W	638544	7212733	25	1.2	638680	7212723	126	1.3	9:45	13:45	4.00	10	6	1094	136.2	25,38,51,76,102,126	
CPUE	066b	21-Aug-10	21-Aug-10	14W	638544	7212733	25	1.2	638680	7212723	126	1.3	13:45	17:15	3.50	10	2	200	136.2	25,38,51,76,102,126	
CPUE	066c	21-Aug-10	22-Aug-10	14W	638544	7212733	25	1.2	638680	7212723	126	1.3	17:15	17:11	23.93	10	23	5045	136.2	25,38,51,76,102,126	
CPUE	067a	21-Aug-10	21-Aug-10	14W	638773	7212710	25	7.4	638895	7212779	126	2.5	10:10	14:15	4.08	10	4	275	136.2	25,38,51,76,102,126	
CPUE	067b	21-Aug-10	21-Aug-10	14W	638773	7212710	25	7.4	638895	7212779	126	2.5	14:15	17:30	3.25	10	1	200	136.2	25,38,51,76,102,126	
CPUE	067c	21-Aug-10	22-Aug-10	14W	638773	7212710	25	7.4	638895	7212779	126	2.5	17:30	17:53	24.38	10	6	630	136.2	25,38,51,76,102,126	
CPUE	068a	21-Aug-10	21-Aug-10	14W	638275	7212878	25	6.1	638205	7212747	126	1.6	11:25	17:20	3.9	10	0	0	136.2	25,38,51,76,102,126	
CPUE	069a	21-Aug-10	22-Aug-10	14W	638344	7212828	126	7.8	638322	7212698	25	7.4	15:30	17:40	26.17	10	6	266	136.2	25,38,51,76,102,126	
CPUE	065c	22-Aug-10	23-Aug-10	14W	638419	7212901	25	5.4	638300	7212898	126	6.8	17:20	9:00	15.67	10	4	1875	136.2	25,38,51,76,102,126	
CPUE	066d	22-Aug-10	23-Aug-10	14W	638544	7212733	25	1.2	638680	7212723	126	1.3	17:11	8:57	15.77	10	6	912	136.2	25,38,51,76,102,126	
CPUE	067d	22-Aug-10	23-Aug-10	14W	638773	7212710	25	7.4	638895	7212779	126	2.5	17:53	9:23	15.50	10	2	100	136.2	25,38,51,76,102,126	
CPUE	069b	22-Aug-10	23-Aug-10	14W	638344	7212828	126	7.8	638322	7212698	25	7.4	17:40	8:41	15.02	10	1	50	136.2	25,38,51,76,102,126	
CPUE	070a	22-Aug-10	23-Aug-10	14W	638587	7213051	25	2	638502	7212920	126	1.9	17:10	9:20	16.17	10	7	912	136.2	25,38,51,76,102,126	
CPUE	071a	22-Aug-10	23-Aug-10	14W	638975	7212935	126	5.6	639083	7213013	25	2.5	16:56	8:18	15.37	10	10	2727	136.2	25,38,51,76,102,126	
CPUE	072a	23-Aug-10	23-Aug-10	14W	638749	7213191	126	4.4	638747	7213049	25	4.2	8:50	14:13	5.38	11	1	25	136.2	25,38,51,76,102,126	
CPUE	072b	23-Aug-10	24-Aug-10	14W	638749	7213191	126	4.4	638747	7213049	25	4.2	14:13	8:19	18.10	10	6	409	136.2	25,38,51,76,102,126	
CPUE	073a	23-Aug-10	23-Aug-10	14W	638653	7213023	25	11	638762	7212916	126	7.4	9:00	14:27	5.45	10	1	25	136.2	25,38,51,76,102,126	
CPUE	073b	23-Aug-10	24-Aug-10	14W	638653	7213023	25	11	638762	7212916	126	7.4	14:27	8:51	18.40	10	5	235	136.2	25,38,51,76,102,126	
CPUE	074a	23-Aug-10	23-Aug-10	14W	638477	7212466	25	5.5	638612	7212390	126	5.4	9:37	14:49	5.20	11	1	100	136.2	25,38,51,76,102,126	
CPUE	074b	23-Aug-10	24-Aug-10	14W	638477	7212466	25	5.5	638612	7212390	126	5.4	14:49	9:12	18.38	10	4	576	136.2	25,38,51,76,102,126	
CPUE	075a	23-Aug-10	23-Aug-10	14W	638433	7212751	126	6.1	638288	7212791	25	4.8	8:50	14:30	5.67	10	1	50	136.2	25,38,51,76,102,126	
CPUE	075b	23-Aug-10	24-Aug-10	14W	638433	7212751	126	6.1	638288	7212791	25	4.8	14:30	8:00	17.50	11	5	246	136.2	25,38,51,76,102,126	
CPUE	076a	23-Aug-10	23-Aug-10	14W	638243	7212964	25	1.6	638243	7212964	126	6.6	9:15	14:45	5.50	10	1	250	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
CPUE	076b	23-Aug-10	24-Aug-10	14W	638243	7212964	25	1.6	638243	7212964	126	6.6	14:45	8:25	17.67	11	4	450	136.2	25,38,51,76,102,126	
CPUE	077a	23-Aug-10	23-Aug-10	14W	638444	7213080	25	1.2	638406	7212943	126	5.3	9:35	14:55	5.33	10	5	702	136.2	25,38,51,76,102,126	
CPUE	077b	23-Aug-10	24-Aug-10	14W	638444	7213080	25	1.2	638406	7212943	126	5.3	14:55	8:45	17.83	11	11	1685	136.2	25,38,51,76,102,126	
CPUE	078a	24-Aug-10	25-Aug-10	14W	638891	7212637	126	2.5	638883	7212781	25	2.9	8:44	8:05	23.35	11	10	1100	136.2	25,38,51,76,102,126	
CPUE	079a	24-Aug-10	25-Aug-10	14W	638849	7212729	25	4.7	638876	7212864	126	5	9:07	8:53	23.77	11	7	1275	136.2	25,38,51,76,102,126	
CPUE	080a	24-Aug-10	25-Aug-10	14W	638409	7212625	25	7.9	638505	7212498	126	4.4	9:29	9:30	24.02	10	7	501	136.2	25,38,51,76,102,126	
CPUE	081a	24-Aug-10	25-Aug-10	14W	638261	7212834	25	1.3	638350	7212730	126	10.8	8:10	8:15	24.08	11	19	834	136.2	25,38,51,76,102,126	
CPUE	082a	24-Aug-10	25-Aug-10	14W	638221	7213061	25	1.1	638317	7213005	126	5.7	8:40	8:50	24.17	11	10	668	136.2	25,38,51,76,102,126	
CPUE	083a	24-Aug-10	25-Aug-10	14W	638467	7213026	25	5.1	638321	7213046	126	4.4	9:00	9:30	24.50	11	9	1400	136.2	25,38,51,76,102,126	
CPUE	084a	24-Aug-10	25-Aug-10	14W	638849	7212729	25	6.9	638392	7212299	126	5	15:05	15:19	24.23	11	6	1632	136.2	25,38,51,76,102,126	
CPUE	085a	24-Aug-10	25-Aug-10	14W	638612	7212266	126	4.4	638482	7212328	25	8.6	14:40	14:48	24.13	11	3	125	136.2	25,38,51,76,102,126	
CPUE	086a	24-Aug-10	25-Aug-10	14W	638892	7213316	126	1.6	638930	7213178	25	3.7	14:25	16:00	25.58	11	7	1030	136.2	25,38,51,76,102,126	
CPUE	087a	24-Aug-10	25-Aug-10	14W	638301	7212907	25	5	638395	7212788	126	6.2	14:30	14:38	24.13	11	5	557	136.2	25,38,51,76,102,126	
CPUE	088a	24-Aug-10	25-Aug-10	14W	638508	7213015	126	6.7	638434	7212892	25	5	14:45	15:30	24.75	11	10	890	136.2	25,38,51,76,102,126	
CPUE	089a	24-Aug-10	25-Aug-10	14W	638339	7213003	126	5.6	638256	7213093	25	1	15:00	16:20	25.33	11	5	324	136.2	25,38,51,76,102,126	
CPUE	090a	25-Aug-10	27-Aug-10	14W	638987	7213114	25	5.9	638884	7213017	126	4.3	8:45	7:58	47.22	11	2	525	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	091a	25-Aug-10	27-Aug-10	14W	639011	7213055	126	4.2	638923	7212918	25	4.9	9:22	8:20	46.97	11	11	1423	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	092a	25-Aug-10	27-Aug-10	14W	639053	7213018	25	2.1	638964	7212920	126	5.5	9:57	9:01	47.07	11	12	816	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	093a	25-Aug-10	27-Aug-10	14W	638590	7212036	25	3.8	638597	7212176	25	5.2	15:11	10:20	43.15	11	6	850	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	094a	25-Aug-10	27-Aug-10	14W	638509	7212176	25	4.8	638476	7212323	126	8	15:45	10:49	43.07	11	5	1627	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	095a	25-Aug-10	27-Aug-10	14W	638768	7213371	126	3.7	638743	7213216	25	4.3	16:22	9:33	41.18	11	17	2812	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	096a	25-Aug-10	27-Aug-10	14W	638221	7213061	25	1	638317	7213005	126	6	8:45	8:22	47.62	11	15	1072	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	097a	25-Aug-10	27-Aug-10	14W	638236	7213022	25	3	638353	7212972	126	6.1	9:25	9:09	47.73	11	9	481	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	098a	25-Aug-10	27-Aug-10	14W	638388	7213041	126	2	638540	7213022	25	5.3	10:00	9:42	47.70	11	10	671	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	099a	25-Aug-10	27-Aug-10	14W	638272	7212962	25	6	638392	7212876	126	6.8	15:10	10:50	43.67	11	5	427	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	100a	25-Aug-10	27-Aug-10	14W	638500	7212853	126	1	638439	7212719	25	4.6	16:00	10:15	42.25	11	4	314	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	101a	25-Aug-10	27-Aug-10	14W	638268	7213031	25	5.6	638406	7212993	126	4.5	16:44	11:15	42.52	11	8	359	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net August 26, 2010
CPUE	102a	27-Aug-10	28-Aug-10	14W	638351	7213034	25	2.7	638409	7212920	126	6.2	15:05	14:30	23.42	10	7	191	136.2	25,38,51,76,102,126	
CPUE	103a	27-Aug-10	28-Aug-10	14W	638295	7213021	25	4.6	638342	7212903	126	7.6	14:50	14:05	23.25	10	3	542	136.2	25,38,51,76,102,126	
CPUE	104a	27-Aug-10	28-Aug-10	14W	638457	7212844	126	2.7	638423	7212712	25	6.5	15:25	16:30	25.08	10	1	120	136.2	25,38,51,76,102,126	
CPUE	105a	27-Aug-10	28-Aug-10	14W	638532	7212646	25	2.3	638527	7212507	126	3.6	14:33	9:25	18.87	10	6	112	136.2	25,38,51,76,102,126	
CPUE	106a	27-Aug-10	28-Aug-10	14W	638768	7212615	126	6.2	638731	7212484	25	1.6	14:55	9:48	18.88	10	4	138	136.2	25,38,51,76,102,126	
CPUE	107a	27-Aug-10	28-Aug-10	14W	638930	7212950	126	5.1	638846	7212846	25	5.9	15:11	10:15	19.07	10	4	584	136.2	25,38,51,76,102,126	
CPUE	108a	28-Aug-10	29-Aug-10	14W	638625	7212538	25	3.7	638491	7212474	126	6.6	9:45	9:23	23.63	10	15	1369	136.2	25,38,51,76,102,126	
CPUE	108b	29-Aug-10	30-Aug-10	14W	638625	7212538	25	3.7	638491	7212474	126	6.6	9:23	8:01	22.63	9	6	795	136.2	25,38,51,76,102,126	
CPUE	109a	28-Aug-10	29-Aug-10	14W	638727	7213012	126	5.8	638785	7212884	25	7.1	10:10	9:53	23.72	10	7	351	136.2	25,38,51,76,102,126	
CPUE	109b	29-Aug-10	30-Aug-10	14W	638727	7213012	126	5.8	638785	7212884	25	7.1	9:53	8:28	22.58	9	1	75	136.2	25,38,51,76,102,126	
CPUE	110a	28-Aug-10	29-Aug-10	14W	638952	7213105	126	7.2	638943	7212950	25	2.9	10:35	10:28	23.88	10	6	588	136.2	25,38,51,76,102,126	
CPUE	110b	29-Aug-10	30-Aug-10	14W	638952	7213105	126	7.2	638943	7212950	25	2.9	10:28	8:53	22.42	9	1	75	136.2	25,38,51,76,102,126	
CPUE	111a	28-Aug-10	29-Aug-10	14W	638237	7213045	25	4	638384	7213062	126	1.4	14:15	9:32	19.28	10	3	249	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
CPUE	112a	28-Aug-10	29-Aug-10	14W	638266	7212882	126	5.6	638389	7212939	25	5.4	14:49	8:29	17.67	10	5	271	136.2	25,38,51,76,102,126	
CPUE	113a	28-Aug-10	29-Aug-10	14W	638294	7212725	126	1.8	638366	7212842	25	7.8	15:10	9:03	17.88	10	1	68	136.2	25,38,51,76,102,126	
CPUE	114a	29-Aug-10	30-Aug-10	14W	638261	7212920	25	6	638326	7212809	126	9	8:50	8:13	23.38	10	3	287	136.2	25,38,51,76,102,126	
CPUE	115a	29-Aug-10	30-Aug-10	14W	638266	7212970	126	4.9	638397	7212911	25	6.2	9:20	8:35	23.25	10	1	55	136.2	25,38,51,76,102,126	
CPUE	116a	29-Aug-10	30-Aug-10	14W	638299	7213028	25	5	638448	7213002	126	4.5	9:45	9:17	23.53	10	2	111	136.2	25,38,51,76,102,126	
CPUE	117a	29-Aug-10	30-Aug-10	14W	638417	7213041	25	3.2	638559	7213030	126	5.7	14:15	14:30	24.25	11	6	188	136.2	25,38,51,76,102,126	
CPUE	118a	29-Aug-10	30-Aug-10	14W	638357	7212985	25	7	638497	7212929	126	3.8	14:26	14:10	23.7	11	0	0	136.2	25,38,51,76,102,126	
CPUE	119a	29-Aug-10	30-Aug-10	14W	638275	7212923	25	6	638372	7212872	126	7.7	15:23	13:50	22.5	11	0	0	136.2	25,38,51,76,102,126	
CPUE	120a	29-Aug-10	30-Aug-10	14W	638409	7212324	126	8	638568	7212194	25	5.1	14:10	14:10	24.00	10	4	95	136.2	25,38,51,76,102,126	
CPUE	121a	29-Aug-10	30-Aug-10	14W	638484	7212621	126	2.2	638444	7212490	25	6.7	14:22	16:11	25.8	10	0	0	136.2	25,38,51,76,102,126	
CPUE	122a	29-Aug-10	30-Aug-10	14W	638843	7212916	126	3.2	638867	7212774	25	5.2	14:37	15:12	24.6	10	0	0	136.2	25,38,51,76,102,126	
CPUE	123a	30-Aug-10	31-Aug-10	14W	638677	7212582	25	6.2	638704	7212439	126	3.7	8:21	9:41	25.33	9	2	77	136.2	25,38,51,76,102,126	
CPUE	124a	30-Aug-10	31-Aug-10	14W	638734	7213237	126	1.4	638720	7213088	25	4.8	8:46	8:50	24.07	9	2	39	136.2	25,38,51,76,102,126	
CPUE	125a	30-Aug-10	31-Aug-10	14W	638864	7213125	126	3.6	638920	7213215	25	3	9:00	8:40	23.67	9	4	525	136.2	25,38,51,76,102,126	
CPUE	126a	30-Aug-10	31-Aug-10	14W	638250	7212889	25	2.6	638341	7212790	126	10	8:33	9:00	24.45	11	10	890	136.2	25,38,51,76,102,126	
CPUE	127a	30-Aug-10	31-Aug-10	14W	638245	7212963	126	3	638377	7212902	25	7	8:48	9:55	25.12	11	1	150	136.2	25,38,51,76,102,126	
CPUE	128a	30-Aug-10	31-Aug-10	14W	638327	7213017	25	5	638455	7212937	126	5.9	9:22	10:15	24.88	11	5	555	136.2	25,38,51,76,102,126	
CPUE	129a	30-Aug-10	31-Aug-10	14W	638432	7212718	25	5.5	638379	7212643	126	10.4	14:00	13:50	23.83	11	3	485	136.2	25,38,51,76,102,126	
CPUE	130a	30-Aug-10	31-Aug-10	14W	638329	7212603	25	4.1	638399	7212732	126	7.5	14:20	14:20	24.00	11	2	141	136.2	25,38,51,76,102,126	
CPUE	131a	30-Aug-10	31-Aug-10	14W	638354	7212650	25	8.4	638400	7212784	126	4.2	15:00	14:50	23.83	11	1	13	136.2	25,38,51,76,102,126	
CPUE	132a	30-Aug-10	31-Aug-10	14W	638534	7212249	126	5.9	638616	7212136	25	4.2	14:26	14:30	24.07	10	6	802	136.2	25,38,51,76,102,126	
CPUE	133a	30-Aug-10	31-Aug-10	14W	638848	7212697	25	4.6	638830	7212839	126	6.4	15:35	14:50	23.25	10	1	54	136.2	25,38,51,76,102,126	
CPUE	134a	30-Aug-10	31-Aug-10	14W	638499	7212500	25	5.2	638646	7212502	126	6.7	16:13	14:58	22.75	10	7	498	136.2	25,38,51,76,102,126	
Final Removal	135a	31-Aug-10	1-Sep-10	14W	638443	7212787	25	6.2	638297	7212815	126	7.2	9:30	17:45	32.25	11	5	-	136.2	25,38,51,76,102,126	
Final Removal	136a	31-Aug-10	1-Sep-10	14W	638318	7212841	126	5.2	638385	7212968	25	3.4	10:10	9:50	23.67	11	4	-	136.2	25,38,51,76,102,126	
Final Removal	137a	31-Aug-10	1-Sep-10	14W	638397	7212953	25	4.2	638447	7212815	126	1.5	10:30	10:20	23.83	11	4	-	136.2	25,38,51,76,102,126	
Final Removal	138a	31-Aug-10	1-Sep-10	14W	638866	7213333	126	4.2	638928	7213205	25	1.5	8:51	9:14	24.38	10	6	-	136.2	25,38,51,76,102,126	
Final Removal	139a	31-Aug-10	1-Sep-10	14W	638731	7213152	126	4.2	638741	7213009	25	5.6	9:28	10:31	25.05	10	5	-	136.2	25,38,51,76,102,126	
Final Removal	140a	31-Aug-10	1-Sep-10	14W	638445	7212523	126	8.2	638585	7212459	25	4.9	9:55	11:15	25.3	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	141a	31-Aug-10	1-Sep-10	14W	638429	7212289	25	8.9	638571	7212213	126	5.2	14:43	13:47	23.07	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	142a	31-Aug-10	1-Sep-10	14W	638759	7212936	25	5.9	638836	7212800	126	6.1	14:10	14:53	24.7	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	143a	31-Aug-10	1-Sep-10	14W	638518	7212529	126	3.5	638625	7212618	25	7	15:15	14:47	23.53	10	6	-	136.2	25,38,51,76,102,126	
Final Removal	144a	31-Aug-10	1-Sep-10	14W	638473	7212901	126	1.9	638272	7212712	25	1.2	15:10	11:10	20.00	10	5	-	136.2	25,38,51,76,102,126	
Final Removal	145a	31-Aug-10	1-Sep-10	14W	638589	7213050	126	1.4	638506	7212910	25	1.5	14:30	11:25	20.92	11	6	-	136.2	25,38,51,76,102,126	
Final Removal	146a	31-Aug-10	1-Sep-10	14W	638478	7212761	126	1.6	638399	7212661	25	8.8	14:00	8:35	18.58	11	8	-	136.2	25,38,51,76,102,126	
Final Removal	147a	31-Aug-10	1-Sep-10	14W	638594	7212410	126	5.9	638654	7212539	25	7.8	20:15	18:08	21.9	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	147b	1-Sep-10	2-Sep-10	14W	638594	7212410	126	5.9	638654	7212539	25	7.8	18:08	10:43	16.6	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	148a	1-Sep-10	2-Sep-10	14W	638817	7213367	126	2.4	638898	7213253	25	5.6	9:30	11:00	25.5	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	149a	1-Sep-10	2-Sep-10	14W	638471	7212446	25	5.8	638588	7212528	126	2.6	11:33	9:40	22.1	10	5	-	136.2	25,38,51,76,102,126	
Final Removal	150a	1-Sep-10	2-Sep-10	14W	638733	7213224	126	3.6	638662	7213083	25	5.7	10:48	9:33	22.8	10	7	-	136.2	25,38,51,76,102,126	
Final Removal	151a	2-Sep-10	3-Sep-10	14W	638866	7213353	126	5.6	638926	7213205	25	2	9:28	10:13	24.8	10	5	-	136.2	25,38,51,76,102,126	
Final Removal	152a	2-Sep-10	3-Sep-10	14W	638756	7213275	126	4	638724	7213128	25	5	10:00	9:30	23.5	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	153a	2-Sep-10	3-Sep-10	14W	638645	7212428	25	6.2	638713	7212543	126	5.7	10:45	8:59	22.2	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	154a	2-Sep-10	3-Sep-10	14W	638449	7212549	25	8.4	638449	7212549	51	5.5	11:15	8:31	21.3	10	4	-	136.2	25,38,51,76,102,126	
Final Removal	155a	2-Sep-10	3-Sep-10	14W	638652	7213014	126	10	638731	7212889	25	7	16:43	15:50	23.1	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	156a	2-Sep-10	3-Sep-10	14W	638717	7213012	25	6.4	628792	7212865	126	7.2	16:49	16:11	23.4	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	157a	2-Sep-10	3-Sep-10	14W	638806	7212615	126	4	638863	7212748	25	5.6	17:02	15:15	22.2	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	158a	2-Sep-10	3-Sep-10	14W	638884	7212969	12.5	4.7	638933	7213039	126	5.3	17:26	15:00	21.6	10	0	-	90.8	12.5,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	159a	3-Sep-10	4-Sep-10	14W	638575	7212202	51	5.6	638532	7212272	25	5.9	8:50	9:36	24.8	10	1	-	68.1	25,38,51	
Final Removal	160a	2-Sep-10	4-Sep-10	14W	638465	7213044	25	1.3	638527	7213032	51	4.5	10:30	8:30	46.0	9	1	-	68.1	25,38,51	
Final Removal	160b	4-Sep-10	8-Sep-10	14W	638465	7213044	25	1.3	638527	7213032	51	4.5	8:30	15:15	102.8	9	1	-	68.1	25,38,51	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	160c	8-Sep-10	9-Sep-10	14W	638465	7213044	25	1.3	638527	7213032	51	4.5	15:15	10:00	18.8	9	0	-	68.1	25,38,51	
Final Removal	161a	2-Sep-10	3-Sep-10	14W	638297	7213011	12.5	4.2	638258	7213062	38	1.5	11:00	9:00	22.0	10	3	-	68.1	25,38,51	
Final Removal	161b	3-Sep-10	4-Sep-10	14W	638297	7213011	25	4.2	638258	7213062	126	1.5	9:00	9:00	24.0	10	8	-	136.2	25,38,51,76,102,126	
Final Removal	161c	4-Sep-10	5-Sep-10	14W	638297	7213011	25	4.2	638258	7213062	126	1.5	9:00	9:00	24.0	10	6	-	136.2	25,38,51,76,102,126	
Final Removal	161d	5-Sep-10	6-Sep-10	14W	638297	7213011	25	4.2	638258	7213062	126	1.5	9:00	11:30	26.5	10	6	-	136.2	25,38,51,76,102,126	
Final Removal	162a	2-Sep-10	3-Sep-10	14W	638351	7212618	126	7.4	638431	7212692	25	8.4	15:00	9:30	18.5	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	162b	3-Sep-10	3-Sep-10	14W	638351	7212618	126	7.4	638431	7212692	25	8.4	9:30	15:25	5.9	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	162c	3-Sep-10	4-Sep-10	14W	638351	7212618	126	7.4	638431	7212692	25	8.4	15:25	9:30	18.1	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	162d	4-Sep-10	5-Sep-10	14W	638351	7212618	126	7.4	638431	7212692	25	8.4	9:30	9:30	24.0	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	162e	5-Sep-10	6-Sep-10	14W	638351	7212618	126	7.4	638431	7212692	25	8.4	9:30	9:30	24.0	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	162f	6-Sep-10	7-Sep-10	14W	638351	7212618	126	7.4	638431	7212692	25	8.4	9:30	9:30	24.0	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	162g	7-Sep-10	7-Sep-10	14W	638351	7212618	126	7.4	638431	7212692	25	8.4	9:30	13:30	4.0	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	162h	7-Sep-10	10-Sep-10	14W	638351	7212618	126	7.4	638431	7212692	25	8.4	13:30	14:20	72.8	10	1	-	136.2	25,38,51,76,102,126	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	163a	2-Sep-10	5-Sep-10	14W	638278	7212993	25	4.5	638318	7212770	126	7.8	15:00	10:30	67.5	9	2	-	136.2	25,38,51,76,102,126	
Final Removal	163b	5-Sep-10	6-Sep-10	14W	638278	7212993	25	4.5	638318	7212770	126	7.8	10:30	10:30	24.0	9	1	-	136.2	25,38,51,76,102,126	
Final Removal	163c	6-Sep-10	8-Sep-10	14W	638278	7212993	25	4.5	638318	7212770	126	7.8	10:30	16:00	53.5	9	2	-	136.2	25,38,51,76,102,126	
Final Removal	164a	2-Sep-10	3-Sep-10	14W	638318	7212615	25	1.7	638323	7212665	126	7	17:00	10:00	17.0	10	8	-	136.2	25,38,51,76,102,126	
Final Removal	164b	3-Sep-10	3-Sep-10	14W	638318	7212615	12.5	1.7	638323	7212665	126	7	10:00	14:30	4.5	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	164c	3-Sep-10	4-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	14:30	10:00	19.5	10	17	-	136.2	25,38,51,76,102,126	
Final Removal	164d	4-Sep-10	5-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	10:00	10:00	24.0	10	8	-	136.2	25,38,51,76,102,126	
Final Removal	164e	5-Sep-10	6-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	10:00	10:00	24.0	10	4	-	136.2	25,38,51,76,102,126	
Final Removal	164f	6-Sep-10	7-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	10:00	10:00	24.0	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	164g	7-Sep-10	7-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	10:00	14:00	4.0	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	164h	7-Sep-10	8-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	14:00	10:00	20.0	10	6	-	136.2	25,38,51,76,102,126	
Final Removal	164i	8-Sep-10	9-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	10:00	9:30	23.5	10	10	-	136.2	25,38,51,76,102,126	
Final Removal	164j	9-Sep-10	10-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	9:30	9:30	24.0	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	164k	10-Sep-10	10-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	9:30	15:10	5.7	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	164l	10-Sep-10	11-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	15:10	11:00	19.8	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	164m	11-Sep-10	12-Sep-10	14W	638278	7212993	25	4.5	638323	7212665	126	7.8	11:00	7:50	20.8	10	14	-	136.2	25,38,51,76,102,126	
Final Removal	165a	2-Sep-10	4-Sep-10	14W	638443	7212891	76	1.3	638452	7212969	126	6	17:10	10:30	41.3	10	1	-	68.1	76,102,126	
Final Removal	165b	4-Sep-10	5-Sep-10	14W	638443	7212891	76	1.3	638452	7212969	126	6	10:30	16:30	30.0	10	1	-	68.1	76,102,126	
Final Removal	166a	2-Sep-10	4-Sep-10	14W	638325	7212838	25	2.1	638310	7212761	51	6	14:55	14:55	48.0	10	3	-	68.1	25,38,51	
Final Removal	166b	4-Sep-10	8-Sep-10	14W	638325	7212838	25	2.1	638310	7212761	51	6	14:55	14:55	96.0	9	2	-	68.1	25,38,51	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	166c	8-Sep-10	8-Sep-10	14W	638325	7212838	25	2.1	638310	7212761	51	6	14:55	15:25	0.5	10	0	-	68.1	25,38,51	
Final Removal	167a	2-Sep-10	5-Sep-10	14W	638439	7212894	25	6.2	638358	7212764	126	8.7	15:00	8:45	65.8	9	2	-	136.2	25,38,51,76,102,126	
Final Removal	167b	5-Sep-10	6-Sep-10	14W	638439	7212894	25	6.2	638358	7212764	126	8.7	8:45	8:45	24.0	9	1	-	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	167c	6-Sep-10	8-Sep-10	14W	638439	7212894	25	6.2	638358	7212764	126	8.7	8:45	8:45	48.0	9	1	-	136.2	25,38,51,76,102,126	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	167d	8-Sep-10	11-Sep-10	14W	638439	7212894	25	6.2	638358	7212764	126	8.7	8:45	10:25	73.7	9	1	-	136.2	25,38,51,76,102,126	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	168a	6-Sep-10	7-Sep-10	14W	638319	7212785	25	4.5	638375	7212843	76	10.2	15:50	8:30	16.7	10	3	-	68.1	25,51,76	
Final Removal	168b	7-Sep-10	7-Sep-10	14W	638319	7212785	25	4.5	638375	7212843	76	10.2	8:30	15:50	7.3	10	3	-	68.1	25,51,76	
Final Removal	168c	9-Sep-10	11-Sep-10	14W	638319	7212785	25	4.5	638375	7212843	76	10.2	15:50	11:00	43.2	9	0	-	90.8	25,51,76	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	169a	8-Sep-10	10-Sep-10	14W	638348	7212725	25	11.3	638417	7212783	51	7.5	15:30	8:00	40.5	10	1	-	68.1	25,38,51	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	169b	10-Sep-10	13-Sep-10	14W	638348	7212725	25	11.3	638417	7212783	51	7.5	8:00	9:00	73.0	10	1	-	68.1	25,38,51	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	169c	13-Sep-10	13-Sep-10	14W	638348	7212725	25	11.3	638417	7212783	51	7.5	9:00	15:15	6.3	11	1	-	68.1	25,38,51	
Final Removal	169d	13-Sep-10	14-Sep-10	14W	638348	7212725	25	11.3	638417	7212783	51	7.5	15:15	16:05	24.8	13	1	-	68.1	25,38,51	
Final Removal	169e	15-Sep-10	16-Sep-10	14W	638348	7212725	25	11.3	638417	7212783	51	7.5	16:05	15:05	23.0	10	1	-	68.1	25,38,51	
Final Removal	169f	16-Sep-10	17-Sep-10	14W	638348	7212725	25	11.3	638417	7212783	51	7.5	15:05	9:32	18.5	9	0	-	68.1	25,38,51	
Final Removal	170a	3-Sep-10	4-Sep-10	14W	638502	7212501	76	5	638561	7212648	25	4.9	9:10	8:55	23.8	10	6	-	90.8	25,38,51,76	
Final Removal	171a	3-Sep-10	4-Sep-10	14W	638592	7212441	126	5.9	638638	7212581	25	6.7	10:02	9:31	23.5	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	172a	3-Sep-10	4-Sep-10	14W	638791	7213460	126	4.2	638878	7213342	25	2	10:27	10:08	23.7	10	7	-	136.2	25,38,51,76,102,126	
Final Removal	173a	3-Sep-10	4-Sep-10	14W	638374	7212394	51	7.6	638411	7212348	102	8.7	15:00	14:04	23.1	10	0	-	68.1	51,76,102	
Final Removal	173b	4-Sep-10	5-Sep-10	14W	638374	7212394	51	7.6	638411	7212348	102	8.7	14:04	16:20	26.3	10	1	-	68.1	51,76,102	
Final Removal	173c	5-Sep-10	6-Sep-10	14W	638374	7212394	51	7.6	638411	7212348	102	8.7	16:20	15:19	23.0	10	0	-	68.1	51,76,102	
Final Removal	173d	6-Sep-10	7-Sep-10	14W	638374	7212394	51	7.6	638411	7212348	102	8.7	15:19	15:40	24.4	10	0	-	68.1	51,76,102	
Final Removal	174a	3-Sep-10	4-Sep-10	14W	639100	7213063	25	3.1	638800	7212638	126	5.8	15:20	14:19	23.0	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	174b	4-Sep-10	5-Sep-10	14W	639100	7213063	25	3.1	638800	7212638	126	5.8	14:19	16:04	25.8	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	174c	5-Sep-10	6-Sep-10	14W	639100	7213063	25	3.1	638800	7212638	126	5.8	16:04	15:30	23.4	10	6	-	136.2	25,38,51,76,102,126	
Final Removal	175a	3-Sep-10	4-Sep-10	14W	638745	7213210	12.5	4.7	638700	7213126	126	3.8	15:40	14:45	23.1	10	6	-	90.8	12.5,76,102,126	
Final Removal	175b	4-Sep-10	5-Sep-10	14W	638745	7213210	12.5	4.7	638700	7213126	126	3.8	14:45	16:27	25.7	10	1	-	90.8	12.5,76,102,126	
Final Removal	175c	5-Sep-10	6-Sep-10	14W	638745	7213210	12.5	4.7	638700	7213126	126	3.8	16:27	16:27	24.0	10	5	-	90.8	12.5,76,102,126	
Final Removal	175d	6-Sep-10	7-Sep-10	14W	638745	7213210	12.5	4.7	638700	7213126	126	3.8	16:27	16:55	24.5	10	1	-	90.8	12.5,76,102,126	
Final Removal	175e	7-Sep-10	8-Sep-10	14W	638745	7213210	12.5	4.7	638700	7213126	126	3.8	16:55	16:30	23.6	10	0	-	90.8	12.5,76,102,126	
Final Removal	176a	3-Sep-10	4-Sep-10	14W	638809	7212839	25	6.7	638901	7212970	126	5.7	16:00	14:35	22.6	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	176b	4-Sep-10	5-Sep-10	14W	638809	7212839	25	6.7	638901	7212970	126	5.7	14:35	14:13	23.6	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	176c	5-Sep-10	6-Sep-10	14W	638809	7212839	25	6.7	638901	7212970	126	5.7	14:13	14:25	24.2	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	177a	3-Sep-10	4-Sep-10	14W	638778	7212840	126	7	638714	7212967	25	5.1	16:18	14:55	22.6	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	177b	4-Sep-10	5-Sep-10	14W	638778	7212840	126	7	638714	7212967	25	5.1	14:55	14:39	23.7	10	1	-	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	177c	5-Sep-10	6-Sep-10	14W	638778	7212840	126	7	638714	7212967	25	5.1	14:39	16:11	25.5	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	177d	6-Sep-10	7-Sep-10	14W	638778	7212840	126	7	638714	7212967	25	5.1	16:11	16:40	24.5	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	177e	7-Sep-10	8-Sep-10	14W	638778	7212840	126	7	638714	7212967	25	5.1	16:40	15:20	22.7	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	178a	3-Sep-10	4-Sep-10	14W	638909	7213087	12.5	7.5	638972	7213070	25	7.4	17:27	10:31	17.1	10	3	-	68.1	25,38,12.5	
Final Removal	179a	4-Sep-10	5-Sep-10	14W	638646	7212736	126	2.7	638582	7212607	25	4.4	8:45	9:12	24.5	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	179b	5-Sep-10	6-Sep-10	14W	638646	7212736	126	2.7	638582	7212607	25	4.4	9:12	9:06	23.9	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	179c	6-Sep-10	7-Sep-10	14W	638646	7212736	126	2.7	638582	7212607	25	4.4	9:06	9:10	24.1	10	8	-	136.2	25,38,51,76,102,126	
Final Removal	179d	7-Sep-10	8-Sep-10	14W	638646	7212736	126	2.7	638582	7212607	25	4.4	9:10	9:15	24.1	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	180a	8-Sep-10	9-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	17:00	10:30	17.5	11	2	-	68.1	25,38,51	
Final Removal	180b	9-Sep-10	10-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	10:30	10:30	24.0	11	4	-	68.1	25,38,51	
Final Removal	180c	10-Sep-10	10-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	10:30	16:00	5.5	11	2	-	68.1	25,38,51	
Final Removal	180d	10-Sep-10	11-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	16:00	10:00	18.0	11	5	-	68.1	25,38,51	
Final Removal	180e	11-Sep-10	12-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	10:00	8:40	22.7	11	4	-	68.1	25,38,51	
Final Removal	180f	12-Sep-10	13-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	8:40	9:45	25.1	11	1	-	68.1	25,38,51	
Final Removal	180g	13-Sep-10	13-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	9:45	16:25	6.7	11	0	-	68.1	25,38,51	
Final Removal	180h	13-Sep-10	14-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	16:25	15:15	22.8	8	2	-	68.1	25,38,51	
Final Removal	180i	14-Sep-10	15-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	15:15	13:55	22.7	8	0	-	68.1	25,38,51	
Final Removal	180j	15-Sep-10	16-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	13:55	13:46	23.9	8	1	-	68.1	25,38,51	
Final Removal	180k	16-Sep-10	17-Sep-10	14W	638590	7213046	25	9.2	638537	7213002	51	11.4	13:46	8:16	18.5	9	0	-	68.1	25,38,51	
Final Removal	181a	9-Sep-10	11-Sep-10	14W	638420	7212966	76	nd	638391	7212983	126	nd	10:30	9:45	47.3	10	1	-	68.1	76,102,126	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	181b	11-Sep-10	14-Sep-10	14W	638420	7212966	76	nd	638391	7212983	126	nd	9:45	15:42	78.0	8	0	-	68.1	76,102,126	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	181c	14-Sep-10	15-Sep-10	14W	638420	7212966	76	nd	638391	7212983	126	nd	15:42	14:21	22.7	7.5	1	-	68.1	76,102,126	
Final Removal	181d	15-Sep-10	16-Sep-10	14W	638420	7212966	76	nd	638391	7212983	126	nd	14:21	14:03	23.7	8	0	-	68.1	76,102,126	
Final Removal	181e	16-Sep-10	17-Sep-10	14W	638420	7212966	76	nd	638391	7212983	126	nd	14:03	9:15	19.2	9	0	-	68.1	76,102,126	
Final Removal	182a	8-Sep-10	10-Sep-10	14W	638277	7212910	126	nd	638402	7212847	25	nd	16:00	9:30	41.5	10	2	-	136.2	25,38,51,76,102,126	This net was checked each morning, however the field staff only recorded data when fish were captured. Therefore fish captured were captured within approximately 24 hours of the net being last checked.
Final Removal	182b	10-Sep-10	10-Sep-10	14W	638277	7212910	126	nd	638402	7212847	25	nd	9:30	16:10	6.7	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	182c	10-Sep-10	11-Sep-10	14W	638277	7212910	126	nd	638402	7212847	25	nd	16:10	10:47	18.6	9	1	-	136.2	25,38,51,76,102,126	
Final Removal	182d	11-Sep-10	12-Sep-10	14W	638277	7212910	126	nd	638402	7212847	25	nd	10:47	9:25	22.6	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	182e	12-Sep-10	13-Sep-10	14W	638277	7212910	126	nd	638402	7212847	25	nd	9:25	9:00	23.6	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	182f	13-Sep-10	14-Sep-10	14W	638277	7212910	126	nd	638402	7212847	25	nd	9:00	15:49	30.8	8	0	-	136.2	25,38,51,76,102,126	
Final Removal	182g	14-Sep-10	15-Sep-10	14W	638277	7212910	126	nd	638402	7212847	25	nd	15:49	13:45	21.9	8	0	-	136.2	25,38,51,76,102,126	
Final Removal	182h	15-Sep-10	16-Sep-10	14W	638277	7212910	126	nd	638402	7212847	25	nd	13:45	14:37	24.9	8	3	-	136.2	25,38,51,76,102,126	
Final Removal	182i	16-Sep-10	17-Sep-10	14W	638277	7212910	126	nd	638402	7212847	25	nd	14:37	8:56	18.3	9	2	-	136.2	25,38,51,76,102,126	
Final Removal	183a	11-Sep-10	12-Sep-10	14W	638407	7212943	126	5	638336	7213072	25	1	9:30	9:30	24.0	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	183b	12-Sep-10	13-Sep-10	14W	638407	7212943	126	5	638336	7213072	25	1	9:30	9:30	24.0	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	183c	13-Sep-10	13-Sep-10	14W	638407	7212943	126	5	638336	7213072	25	1	9:30	15:40	6.2	10	1	-	136.2	25,38,51,76,102,126	
Final Removal	183d	13-Sep-10	14-Sep-10	14W	638407	7212943	126	5	638336	7213072	25	1	15:40	15:30	23.8	10	1	-	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	183e	14-Sep-10	15-Sep-10	14W	638407	7212943	126	5	638336	7213072	25	1	15:30	14:05	22.6	8	1	-	136.2	25,38,51,76,102,126	
Final Removal	183f	15-Sep-10	16-Sep-10	14W	638407	7212943	126	5	638336	7213072	25	1	14:05	14:10	24.1	8	3	-	136.2	25,38,51,76,102,126	
Final Removal	183g	16-Sep-10	17-Sep-10	14W	638407	7212943	126	5	638336	7213072	25	1	14:10	8:27	18.3	9	1	-	136.2	25,38,51,76,102,126	
Final Removal	184a	12-Sep-10	13-Sep-10	14W	638334	7212694	51	7	638324	7212613	12.5	2	8:00	8:00	24.0	8	6	-	90.8	12.5,25,38,51	
Final Removal	184b	13-Sep-10	14-Sep-10	14W	638334	7212694	51	7	638324	7212613	12.5	2	8:00	16:13	32.2	8	4	-	90.8	12.5,25,38,51	
Final Removal	184c	15-Sep-10	16-Sep-10	14W	638334	7212694	51	7	638324	7212613	12.5	2	16:13	14:50	22.6	8	5	-	90.8	12.5,25,38,51	
Final Removal	184d	16-Sep-10	17-Sep-10	14W	638334	7212694	51	7	638324	7212613	12.5	2	14:50	9:30	18.7	9	0	-	90.8	12.5,25,38,51	
Final Removal	185a	17-Sep-10	18-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	14:37	8:30	17.9	6	2	-	136.2	25,38,51,76,102,126	
Final Removal	185b	18-Sep-10	19-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	8:30	8:35	24.1	9	3	-	136.2	25,38,51,76,102,126	
Final Removal	185c	19-Sep-10	20-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	8:35	8:35	24.0	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	185d	20-Sep-10	21-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	8:35	8:25	23.8	7	3	-	136.2	25,38,51,76,102,126	
Final Removal	185e	21-Sep-10	22-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	8:25	8:22	24.0	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	185f	22-Sep-10	23-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	8:22	9:12	24.8	6	0	-	136.2	25,38,51,76,102,126	
Final Removal	185g	23-Sep-10	24-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	9:12	9:42	24.5	6	2	-	136.2	25,38,51,76,102,126	
Final Removal	185h	24-Sep-10	25-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	9:42	10:21	24.7	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	185i	25-Sep-10	27-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	10:21	17:45	55.4	5	3	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	185j	27-Sep-10	29-Sep-10	14W	638237	7213045	25	2	638292	7212899	126	6.7	17:45	9:51	40.1	5	2	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 28, 2010
Final Removal	186a	17-Sep-10	18-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	14:52	8:17	17.4	6	0	-	136.2	25,38,51,76,102,126	
Final Removal	186b	18-Sep-10	19-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	8:17	8:19	24.0	9	2	-	136.2	25,38,51,76,102,126	
Final Removal	186c	19-Sep-10	20-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	8:19	8:13	23.9	7	5	-	136.2	25,38,51,76,102,126	
Final Removal	186d	20-Sep-10	21-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	8:13	8:14	24.0	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	186e	21-Sep-10	22-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	8:14	8:06	23.9	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	186f	22-Sep-10	23-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	8:06	9:02	24.9	6	2	-	136.2	25,38,51,76,102,126	
Final Removal	186g	23-Sep-10	24-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	9:02	9:30	24.5	6	5	-	136.2	25,38,51,76,102,126	
Final Removal	186h	24-Sep-10	25-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	9:30	10:05	24.6	5	5	-	136.2	25,38,51,76,102,126	
Final Removal	186i	25-Sep-10	27-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	10:05	10:02	48.0	5	1	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	186i	25-Sep-10	27-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	10:05	10:02	48.0	5	1	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	186j	27-Sep-10	28-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	10:02	16:20	30.3	5	1	-	136.2	25,38,51,76,102,126	
Final Removal	186k	28-Sep-10	29-Sep-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	16:20	10:50	18.5	5	3	-	136.2	25,38,51,76,102,126	
Final Removal	186l	29-Sep-10	30-Sep-10	14W	638382	7212724	25	3.5	638300	7212938	126	6.1	10:50	17:20	30.5	5	3	-	136.2	25,38,51,76,102,126	
Final Removal	186m	30-Sep-10	1-Oct-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	17:20	14:43	21.4	5	3	-	136.2	25,38,51,76,102,126	
Final Removal	186n	1-Oct-10	2-Oct-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	14:43	10:23	19.7	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	186o	2-Oct-10	4-Oct-10	14W	638382	7212724	25	9.1	638455	7212847	126	1.9	10:23	17:30	55.1	5	3	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	187a	17-Sep-10	18-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	15:07	8:42	17.6	6	5	-	90.8	51,38,25,12.5	
Final Removal	187b	18-Sep-10	19-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	8:42	9:18	24.6	9	6	-	90.8	51,38,25,12.5	
Final Removal	187c	19-Sep-10	20-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	9:18	8:45	23.5	7	1	-	90.8	51,38,25,12.5	
Final Removal	187d	20-Sep-10	21-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	8:45	8:45	24.0	7	0	-	90.8	51,38,25,12.5	
Final Removal	187e	21-Sep-10	22-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	8:45	8:38	23.9	7	0	-	90.8	51,38,25,12.5	
Final Removal	187f	22-Sep-10	23-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	8:38	9:23	24.8	6	2	-	90.8	51,38,25,12.5	
Final Removal	187g	23-Sep-10	24-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	9:23	9:55	24.5	6	0	-	90.8	51,38,25,12.5	
Final Removal	187h	24-Sep-10	25-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	9:55	10:36	24.7	5	0	-	90.8	51,38,25,12.5	
Final Removal	187i	25-Sep-10	27-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	10:36	10:14	47.6	5	1	-	90.8	51,38,25,12.5	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	187j	27-Sep-10	28-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	10:14	17:30	31.3	5	1	-	90.8	51,38,25,12.5	
Final Removal	187k	28-Sep-10	29-Sep-10	14W	638368	7213030	51	1.3	638358	7212988	12.5	5.6	17:30	15:50	22.3	5	0	-	90.8	51,38,25,12.5	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	188a	17-Sep-10	18-Sep-10	14W	638384	7212824	126	7.4	638342	7212765	76	9.8	15:26	9:00	17.6	6	0	-	68.1	76,102,126	
Final Removal	188b	18-Sep-10	19-Sep-10	14W	638384	7212824	126	7.4	638342	7212765	76	9.8	9:00	9:29	24.5	9	0	-	68.1	76,102,126	
Final Removal	188c	19-Sep-10	20-Sep-10	14W	638384	7212824	126	7.4	638342	7212765	76	9.8	9:29	9:00	23.5	7	0	-	68.1	76,102,126	
Final Removal	188d	20-Sep-10	21-Sep-10	14W	638384	7212824	126	7.4	638342	7212765	76	9.8	9:00	8:57	24.0	7	0	-	68.1	76,102,126	
Final Removal	189a	17-Sep-10	18-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	15:50	9:26	17.6	6	0	-	68.1	25,38,51	
Final Removal	189b	18-Sep-10	19-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	9:26	9:37	24.2	9	4	-	68.1	25,38,51	
Final Removal	189c	19-Sep-10	20-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	9:37	9:03	23.4	7	2	-	68.1	25,38,51	
Final Removal	189d	20-Sep-10	21-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	9:03	9:07	24.1	7	2	-	68.1	25,38,51	
Final Removal	189e	21-Sep-10	22-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	9:07	8:42	23.6	7	1	-	68.1	25,38,51	
Final Removal	189f	22-Sep-10	23-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	8:42	9:40	25.0	6	0	-	68.1	25,38,51	
Final Removal	189g	23-Sep-10	24-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	9:40	9:59	24.3	6	1	-	68.1	25,38,51	
Final Removal	189h	24-Sep-10	25-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	9:59	10:46	24.8	5	0	-	68.1	25,38,51	
Final Removal	189i	25-Sep-10	27-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	10:46	10:25	47.7	5	1	-	68.1	25,38,51	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	189j	27-Sep-10	28-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	10:25	17:40	31.3	5	1	-	68.1	25,38,51	
Final Removal	189k	28-Sep-10	29-Sep-10	14W	638439	7213010	51	3.8	638514	7212988	25	6.8	17:40	16:10	22.5	5	1	-	68.1	25,38,51	
Final Removal	190a	4-Sep-10	5-Sep-10	14W	638375	7212500	126	8.2	638516	7212552	25	2	9:10	8:51	23.7	10	11	-	136.2	25,38,51,76,102,126	
Final Removal	190b	5-Sep-10	6-Sep-10	14W	638375	7212500	126	8.2	638516	7212552	25	2	8:51	10:12	25.4	10	6	-	136.2	25,38,51,76,102,126	
Final Removal	190c	6-Sep-10	7-Sep-10	14W	638375	7212500	126	8.2	638516	7212552	25	2	10:12	8:35	22.4	10	13	-	136.2	25,38,51,76,102,126	
Final Removal	190d	7-Sep-10	8-Sep-10	14W	638375	7212500	126	8.2	638516	7212552	25	2	8:35	8:55	24.3	10	14	-	136.2	25,38,51,76,102,126	
Final Removal	190e	8-Sep-10	9-Sep-10	14W	638375	7212500	126	8.2	638516	7212552	25	2	8:55	9:00	24.1	10	9	-	136.2	25,38,51,76,102,126	
Final Removal	191a	4-Sep-10	5-Sep-10	14W	638606	7212072	51	4.3	638613	7212146	25	4.6	9:50	8:33	22.7	10	3	-	68.1	25,38,51	
Final Removal	191b	5-Sep-10	6-Sep-10	14W	638606	7212072	51	4.3	638613	7212146	25	4.6	8:33	9:52	25.3	10	3	-	68.1	25,38,51	
Final Removal	191c	6-Sep-10	7-Sep-10	14W	638606	7212072	51	4.3	638613	7212146	25	4.6	9:52	8:15	22.4	10	1	-	68.1	25,28,51	
Final Removal	191d	7-Sep-10	8-Sep-10	14W	638606	7212072	51	4.3	638613	7212146	25	4.6	8:15	8:05	23.8	10	4	-	68.1	25,38,51	
Final Removal	192a	4-Sep-10	5-Sep-10	14W	638793	7213474	126	3.4	638872	7213364	25	2	10:27	9:41	23.2	10	9	-	136.2	25,38,51,76,102,126	
Final Removal	192b	5-Sep-10	6-Sep-10	14W	638793	7213474	126	3.4	638872	7213364	25	2	9:41	8:08	22.5	10	12	-	136.2	25,38,51,76,102,126	
Final Removal	192c	6-Sep-10	7-Sep-10	14W	638793	7213474	126	3.4	638872	7213364	25	2	8:08	9:43	25.6	10	9	-	136.2	25,38,51,76,102,126	
Final Removal	192d	7-Sep-10	8-Sep-10	14W	638793	7213474	126	3.4	638872	7213364	25	2	9:43	10:30	24.8	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	193a	4-Sep-10	5-Sep-10	14W	638915	7213180	12.5	5.6	638971	7213153	38	2.5	10:48	9:36	22.8	10	7	-	68.1	12.5,25,38	
Final Removal	193b	5-Sep-10	6-Sep-10	14W	638915	7213180	12.5	5.6	638971	7213153	38	2.5	9:36	8:32	22.9	10	23	-	68.1	12.5,25,38	
Final Removal	193c	6-Sep-10	7-Sep-10	14W	638915	7213180	12.5	5.6	638971	7213153	38	2.5	8:32	9:24	24.9	10	19	-	68.1	12.5,25,38	
Final Removal	193d	7-Sep-10	8-Sep-10	14W	638915	7213180	12.5	5.6	638971	7213153	38	2.5	9:24	10:15	24.9	10	18	-	68.1	12.5,25,38	
Final Removal	193e	8-Sep-10	9-Sep-10	14W	638915	7213180	12.5	5.6	638971	7213153	38	2.5	10:15	10:35	24.3	10	2	-	68.1	12.5,25,38	
Final Removal	193f	9-Sep-10	10-Sep-10	14W	638915	7213180	12.5	5.6	638971	7213153	38	2.5	10:35	10:25	23.8	9	11	-	68.1	12.5,25,38	
Final Removal	194a	6-Sep-10	7-Sep-10	14W	638416	7212599	25	9.8	638473	7212781	126	1.8	14:55	16:20	25.4	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	194b	7-Sep-10	8-Sep-10	14W	638416	7212599	25	9.8	638473	7212781	126	1.8	16:20	16:00	23.7	10	8	-	136.2	25,38,51,76,102,126	
Final Removal	194c	8-Sep-10	9-Sep-10	14W	638416	7212599	25	9.8	638473	7212781	126	1.8	16:00	15:35	23.6	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	194d	9-Sep-10	10-Sep-10	14W	638416	7212599	25	9.8	638473	7212781	126	1.8	15:35	14:55	23.3	9	2	-	136.2	25,38,51,76,102,126	
Final Removal	194e	10-Sep-10	11-Sep-10	14W	638416	7212599	25	9.8	638473	7212781	126	1.8	14:55	15:30	24.6	9	3	-	136.2	25,38,51,76,102,126	
Final Removal	194f	11-Sep-10	13-Sep-10	14W	638416	7212599	25	9.8	638473	7212781	126	1.8	15:30	15:20	47.8	9	12	-	136.2	25,38,51,76,102,126	adverse weather in afternoon prevented retrieval of net September 12, 2010
Final Removal	195a	7-Sep-10	8-Sep-10	14W	638334	7212385	51	3	638384	7212356	102	7	16:15	15:50	23.6	10	1	-	68.1	51,76,102	
Final Removal	195b	8-Sep-10	9-Sep-10	14W	638334	7212385	51	3	638384	7212356	102	7	15:50	15:15	23.4	10	0	-	68.1	51,76,102	
Final Removal	196a	8-Sep-10	9-Sep-10	14W	638605	7211962	25	5	638640	7212034	51	1.7	8:45	8:30	23.8	10	4	-	68.1	25,38,51	
Final Removal	196b	9-Sep-10	10-Sep-10	14W	638605	7211962	25	5	638640	7212034	51	1.7	8:30	8:30	24.0	9	4	-	68.1	25,38,51	
Final Removal	196c	10-Sep-10	11-Sep-10	14W	638605	7211962	25	5	638640	7212034	51	1.7	8:30	9:55	25.4	9	2	-	68.1	25,38,51	
Final Removal	196d	11-Sep-10	13-Sep-10	14W	638605	7211962	25	5	638640	7212034	51	1.7	9:55	8:30	46.6	9	7	-	68.1	25,38,51	adverse weather in afternoon prevented retrieval of net September 12, 2010

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	197a	8-Sep-10	9-Sep-10	14W	638582	7212608	126	6	638747	7212531	25	4.4	9:45	9:20	23.6	10	0	-	136.2	25,38,51,76,102,126	
Final Removal	197b	9-Sep-10	10-Sep-10	14W	638582	7212608	126	6	638747	7212531	25	4.4	9:20	9:15	23.9	10	2	-	136.2	25,38,51,76,102,126	
Final Removal	198a	8-Sep-10	9-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	15:30	14:30	23.0	10	4	-	136.2	25,38,51,76,102,126	
Final Removal	198b	9-Sep-10	10-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	14:30	15:55	25.4	9	0	-	136.2	25,38,51,76,102,126	
Final Removal	198c	10-Sep-10	11-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	15:55	16:00	24.1	9	1	-	136.2	25,38,51,76,102,126	
Final Removal	198d	11-Sep-10	13-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	16:00	15:40	47.7	8	4	-	136.2	25,38,51,76,102,126	adverse weather in afternoon prevented retrieval of net September 12, 2010
Final Removal	198e	13-Sep-10	14-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	15:40	15:40	24.0	8	1	-	136.2	25,38,51,76,102,126	
Final Removal	198f	14-Sep-10	15-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	15:40	15:40	24.0	8	1	-	136.2	25,38,51,76,102,126	
Final Removal	198g	15-Sep-10	16-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	15:40	14:10	22.5	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	198h	16-Sep-10	17-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	14:10	15:10	25.0	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	198i	17-Sep-10	18-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	15:10	15:15	24.1	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	198j	18-Sep-10	19-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	15:15	14:45	23.5	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	198k	19-Sep-10	20-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	14:45	13:48	23.1	8	2	-	136.2	25,38,51,76,102,126	
Final Removal	198l	20-Sep-10	21-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	13:48	14:56	25.1	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	198m	21-Sep-10	22-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	14:56	14:13	23.3	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	198n	22-Sep-10	23-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	14:13	14:17	24.1	6	0	-	136.2	25,38,51,76,102,126	
Final Removal	198o	23-Sep-10	24-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	14:17	14:44	24.5	6	1	-	136.2	25,38,51,76,102,126	
Final Removal	198p	24-Sep-10	25-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	14:44	14:22	23.6	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	198q	25-Sep-10	27-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	14:22	16:15	49.9	5	4	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	198r	27-Sep-10	29-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	16:15	11:30	43.3	5	1	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 28, 2010
Final Removal	198s	29-Sep-10	30-Sep-10	14W	638871	7212811	25	4.4	638814	7212690	126	6.1	11:30	10:40	23.2	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	199a	8-Sep-10	9-Sep-10	14W	638683	7212829	12.5	4.5	638766	7212824	102	7.8	16:45	15:00	22.3	10	3	-	90.8	12.5,51,76,102	
Final Removal	199b	9-Sep-10	10-Sep-10	14W	638683	7212829	12.5	4.5	638766	7212824	102	7.8	15:00	16:20	25.3	9	5	-	90.8	12.5,51,76,102	
Final Removal	199c	10-Sep-10	11-Sep-10	14W	638683	7212829	12.5	4.5	638766	7212824	102	7.8	16:20	16:28	24.1	9	2	-	90.8	12.5,51,76,102	
Final Removal	200a	9-Sep-10	10-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:10	8:55	23.8	10	4	-	136.2	25,38,51,76,102,126	
Final Removal	200b	10-Sep-10	11-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	8:55	10:06	25.2	9	4	-	136.2	25,38,51,76,102,126	
Final Removal	200c	11-Sep-10	12-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	10:06	9:07	23.0	9	3	-	136.2	25,38,51,76,102,126	
Final Removal	200d	12-Sep-10	13-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:07	9:07	24.0	8	5	-	136.2	25,38,51,76,102,126	
Final Removal	200e	13-Sep-10	14-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:07	8:25	23.3	8	3	-	136.2	25,38,51,76,102,126	
Final Removal	200f	14-Sep-10	15-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	8:25	8:55	24.5	8	3	-	136.2	25,38,51,76,102,126	
Final Removal	200g	15-Sep-10	16-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	8:55	9:55	25.0	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	200h	16-Sep-10	17-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:55	9:40	23.8	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	200i	17-Sep-10	18-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:40	14:40	29.0	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	200j	18-Sep-10	19-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	14:40	9:10	18.5	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	200k	19-Sep-10	20-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:10	8:20	23.2	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	200l	20-Sep-10	21-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	8:20	9:10	24.8	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	200m	21-Sep-10	22-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:10	9:19	24.2	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	200n	22-Sep-10	23-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:19	8:53	23.6	6	1	-	136.2	25,38,51,76,102,126	
Final Removal	200o	23-Sep-10	24-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	8:53	9:15	24.4	6	1	-	136.2	25,38,51,76,102,126	
Final Removal	200p	24-Sep-10	25-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:15	9:58	24.7	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	200q	25-Sep-10	27-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:58	9:52	47.9	5	0	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	200r	27-Sep-10	28-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	9:52	16:45	30.9	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	200s	28-Sep-10	29-Sep-10	14W	638456	7212473	126	5.4	638506	7212635	25	2	16:45	14:45	22.0	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	201a	9-Sep-10	10-Sep-10	14W	638571	7212939	25	1.7	638659	7213064	126	6.8	10:30	10:05	23.6	9	5	-	136.2	25,38,51,76,102,126	
Final Removal	201b	10-Sep-10	11-Sep-10	14W	638571	7212939	25	1.7	638659	7213064	126	6.8	10:05	10:50	24.8	9	6	-	136.2	25,38,51,76,102,126	
Final Removal	201c	11-Sep-10	12-Sep-10	14W	638571	7212939	25	1.7	638659	7213064	126	6.8	10:50	10:25	23.6	9	3	-	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	201d	12-Sep-10	13-Sep-10	14W	638571	7212939	25	1.7	638659	7213064	126	6.8	10:25	10:25	24.0	8	2	-	136.2	25,38,51,76,102,126	
Final Removal	201e	13-Sep-10	14-Sep-10	14W	638571	7212939	25	1.7	638659	7213064	126	6.8	10:25	9:25	23.0	8	5	-	136.2	25,38,51,76,102,126	
Final Removal	201f	14-Sep-10	15-Sep-10	14W	638571	7212939	25	1.7	638659	7213064	126	6.8	9:25	9:25	24.0	8	1	-	136.2	25,38,51,76,102,126	
Final Removal	201g	15-Sep-10	16-Sep-10	14W	638571	7212939	25	1.7	638659	7213064	126	6.8	9:25	8:45	23.3	7	3	-	136.2	25,38,51,76,102,126	
Final Removal	201h	16-Sep-10	17-Sep-10	14W	638571	7212939	25	1.7	638659	7213064	126	6.8	8:45	9:00	24.3	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	202a	9-Sep-10	10-Sep-10	14W	638501	7212245	51	5.5	638463	7212304	126	8.2	15:30	15:10	23.7	9	1	-	90.8	51,76,102,126	
Final Removal	202b	10-Sep-10	11-Sep-10	14W	638501	7212245	51	5.5	638463	7212304	126	8.2	15:10	15:15	24.1	9	0	-	90.8	51,76,102,126	
Final Removal	202c	11-Sep-10	13-Sep-10	14W	638501	7212245	51	5.5	638463	7212304	126	8.2	15:15	15:02	47.8	9	0	-	90.8	51,76,102,126	adverse weather in afternoon prevented retrieval of net September 12, 2010
Final Removal	203a	9-Sep-10	10-Sep-10	14W	638751	7212704	25	3.3	638782	7212855	126	7.2	16:25	16:35	24.2	10	3	-	136.2	25,38,51,76,102,126	
Final Removal	203b	10-Sep-10	11-Sep-10	14W	638751	7212704	25	3.3	638782	7212855	126	7.2	16:35	15:44	23.2	9	2	-	136.2	25,38,51,76,102,126	
Final Removal	203c	11-Sep-10	13-Sep-10	14W	638751	7212704	25	3.3	638782	7212855	126	7.2	15:44	15:55	48.2	9	4	-	136.2	25,38,51,76,102,126	adverse weather in afternoon prevented retrieval of net September 12, 2010
Final Removal	203d	13-Sep-10	14-Sep-10	14W	638751	7212704	25	3.3	638782	7212855	126	7.2	15:55	15:25	23.5	8	5	-	136.2	25,38,51,76,102,126	
Final Removal	203e	14-Sep-10	15-Sep-10	14W	638751	7212704	25	3.3	638782	7212855	126	7.2	15:25	15:15	23.8	8	0	-	136.2	25,38,51,76,102,126	
Final Removal	204a	10-Sep-10	11-Sep-10	14W	638979	7213081	25	6.2	638866	7212983	126	3.4	8:20	12:00	27.7	9	0	-	136.2	25,38,51,76,102,126	
Final Removal	204b	11-Sep-10	12-Sep-10	14W	638979	7213081	25	6.2	638866	7212983	126	3.4	12:00	10:45	22.8	9	0	-	136.2	25,38,51,76,102,126	
Final Removal	204c	12-Sep-10	13-Sep-10	14W	638979	7213081	25	6.2	638866	7212983	126	3.4	10:45	8:08	21.4	8	2	-	136.2	25,38,51,76,102,126	
Final Removal	204d	13-Sep-10	14-Sep-10	14W	638979	7213081	25	6.2	638866	7212983	126	3.4	8:08	8:55	24.8	8	0	-	136.2	25,38,51,76,102,126	
Final Removal	204e	14-Sep-10	15-Sep-10	14W	638979	7213081	25	6.2	638866	7212983	126	3.4	8:55	9:25	24.5	8	1	-	136.2	25,38,51,76,102,126	
Final Removal	205a	10-Sep-10	11-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:30	10:25	24.9	9	9	-	136.2	25,38,51,76,102,126	
Final Removal	205b	11-Sep-10	12-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	10:25	8:47	22.4	9	4	-	136.2	25,38,51,76,102,126	
Final Removal	205c	12-Sep-10	13-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	8:47	8:30	23.7	9	3	-	136.2	25,38,51,76,102,126	
Final Removal	205d	13-Sep-10	14-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	8:30	8:40	24.2	8	3	-	136.2	25,38,51,76,102,126	
Final Removal	205e	14-Sep-10	15-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	8:40	8:40	24.0	8	4	-	136.2	25,38,51,76,102,126	
Final Removal	205f	15-Sep-10	16-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	8:40	9:25	24.8	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	205g	16-Sep-10	17-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:25	9:55	24.5	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	205h	17-Sep-10	18-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:55	9:40	23.8	6	0	-	136.2	25,38,51,76,102,126	
Final Removal	205i	18-Sep-10	19-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:40	9:35	23.9	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	205j	19-Sep-10	20-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:35	8:35	23.0	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	205k	20-Sep-10	21-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	8:35	9:16	24.7	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	205l	21-Sep-10	22-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:16	9:30	24.2	7	5	-	136.2	25,38,51,76,102,126	
Final Removal	205m	22-Sep-10	23-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:16	8:33	23.3	6	1	-	136.2	25,38,51,76,102,126	
Final Removal	205n	23-Sep-10	24-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	8:33	8:57	24.4	6	1	-	136.2	25,38,51,76,102,126	
Final Removal	205o	24-Sep-10	25-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	8:57	9:24	24.5	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	205p	25-Sep-10	27-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:24	9:25	48.0	5	0	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	205q	27-Sep-10	28-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:25	9:50	24.4	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	205r	28-Sep-10	29-Sep-10	14W	638747	7212531	25	4.4	638654	7212415	126	5.6	9:50	14:00	28.2	5	1	-	136.2	25,38,51,76,102,126	
Final Removal	206a	10-Sep-10	11-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	10:40	11:38	25.0	9	21	-	68.1	12.5,25,38	
Final Removal	206b	11-Sep-10	12-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	11:38	9:00	21.4	9	7	-	68.1	12.5,25,38	
Final Removal	206c	12-Sep-10	13-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	9:00	8:23	23.4	8	2	-	68.1	12.5,25,38	
Final Removal	206d	13-Sep-10	14-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:23	9:13	24.8	8	4	-	68.1	12.5,25,38	
Final Removal	206e	14-Sep-10	15-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	9:13	8:40	23.5	7	2	-	68.1	12.5,25,38	
Final Removal	206f	15-Sep-10	16-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:40	8:25	23.8	7	3	-	68.1	12.5,25,38	
Final Removal	206g	16-Sep-10	17-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:25	8:45	24.3	7	5	-	68.1	12.5,25,38	
Final Removal	206h	17-Sep-10	18-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:45	8:30	23.8	6	14	-	68.1	12.5,25,38	
Final Removal	206i	18-Sep-10	19-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:30	8:40	24.2	7	8	-	68.1	12.5,25,38	
Final Removal	206j	19-Sep-10	20-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:40	9:00	24.3	5	3	-	68.1	12.5,25,38	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	206k	20-Sep-10	21-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	9:00	8:45	23.8	7	2	-	68.1	12.5,25,38	
Final Removal	206l	21-Sep-10	22-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:45	8:25	23.7	7	1	-	68.1	12.5,25,38	
Final Removal	206m	22-Sep-10	23-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:25	8:15	23.8	6	1	-	68.1	12.5,25,38	
Final Removal	206n	23-Sep-10	24-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:15	8:34	24.3	6	2	-	68.1	12.5,25,38	
Final Removal	206o	24-Sep-10	25-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:34	8:55	24.4	5	3	-	68.1	12.5,25,38	
Final Removal	206p	25-Sep-10	27-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:55	8:50	47.9	5	0	-	68.1	12.5,25,38	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	206q	27-Sep-10	29-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	8:50	9:30	48.7	5	1	-	68.1	12.5,25,38	adverse weather conditions prevented retrieval of net September 28, 2010
Final Removal	206r	29-Sep-10	30-Sep-10	14W	638899	7213278	12.5	4.8	638880	7213345	38	1.3	9:30	10:25	24.9	5	1	-	68.1	12.5,25,38	
Final Removal	207a	10-Sep-10	11-Sep-10	14W	638871	7212603	25	1.7	638839	7212751	126	5.5	16:50	16:14	23.4	9	4	-	136.2	25,38,51,76,102,126	
Final Removal	207b	11-Sep-10	13-Sep-10	14W	638871	7212603	25	1.7	638839	7212751	126	5.5	16:14	16:20	48.1	9	11	-	136.2	25,38,51,76,102,126	adverse weather in afternoon prevented retrieval of net September 12, 2010
Final Removal	207c	12-Sep-10	13-Sep-10	14W	638871	7212603	25	1.7	638839	7212751	126	5.5	16:20	15:50	23.5	9	0	-	136.2	25,38,51,76,102,126	
Final Removal	207d	13-Sep-10	14-Sep-10	14W	638871	7212603	25	1.7	638839	7212751	126	5.5	16:20	15:50	23.5	9	0	-	136.2	25,38,51,76,102,126	
Final Removal	207e	14-Sep-10	15-Sep-10	14W	638871	7212603	25	1.7	638839	7212751	126	5.5	15:55	14:20	22.4	7	3	-	136.2	25,38,51,76,102,126	
Final Removal	207e	16-Sep-10	17-Sep-10	14W	638871	7212603	25	1.7	638839	7212751	126	5.5	14:20	14:50	24.5	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	208a	11-Sep-10	13-Sep-10	14W	638726	7213174	12.5	4	638683	7213076	126	7	16:55	16:37	47.7	9	2	-	68.1	12.5,76,102,126	adverse weather in afternoon prevented retrieval of net September 12, 2010
Final Removal	208b	13-Sep-10	14-Sep-10	14W	638726	7213174	12.5	4	638683	7213076	126	7	16:37	16:30	23.9	9	1	-	68.1	12.5,76,102,126	
Final Removal	208c	14-Sep-10	15-Sep-10	14W	638726	7213174	12.5	4	638683	7213076	126	7	16:30	16:40	24.2	9	0	-	68.1	12.5,76,102,126	
Final Removal	209a	12-Sep-10	13-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	8:40	8:55	24.3	8	5	-	68.1	25,38,38	
Final Removal	209b	13-Sep-10	14-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	8:55	8:05	23.2	8	3	-	68.1	25,38,38	
Final Removal	209c	14-Sep-10	15-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	8:05	8:25	24.3	8	4	-	68.1	25,38,38	
Final Removal	209d	15-Sep-10	16-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	8:25	9:13	24.8	7	2	-	68.1	25,38,38	
Final Removal	209e	16-Sep-10	17-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	9:13	10:10	25.0	7	1	-	68.1	25,38,38	
Final Removal	209f	17-Sep-10	18-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	10:10	14:55	28.8	7	2	-	68.1	25,38,38	
Final Removal	209g	18-Sep-10	19-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	14:55	9:20	18.4	7	0	-	68.1	25,38,38	
Final Removal	209h	19-Sep-10	20-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	9:20	8:45	23.4	7	3	-	68.1	25,38,38	
Final Removal	209i	20-Sep-10	21-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	8:45	9:28	24.7	7	0	-	68.1	25,38,38	
Final Removal	209j	21-Sep-10	22-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	9:28	9:12	23.7	7	0	-	68.1	25,38,38	
Final Removal	209k	22-Sep-10	23-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	9:12	8:43	23.5	6	1	-	68.1	25,38,38	
Final Removal	209l	23-Sep-10	24-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	8:43	9:07	24.4	6	0	-	68.1	25,38,38	
Final Removal	209m	24-Sep-10	25-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	9:07	9:37	24.5	5	2	-	68.1	25,38,38	
Final Removal	209n	25-Sep-10	27-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	9:37	9:38	48.0	5	2	-	68.1	25,38,38	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	209o	27-Sep-10	28-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	9:38	15:55	30.3	5	0	-	68.1	25,38,38	
Final Removal	209p	28-Sep-10	29-Sep-10	14W	638630	7211937	25	2.1	638617	7212020	38	2.2	15:55	15:20	23.4	5	0	-	68.1	25,38,38	
Final Removal	210a	13-Sep-10	14-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	15:14	16:05	24.9	8	0	-	68.1	51,51,76	
Final Removal	210b	14-Sep-10	15-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	16:05	16:25	24.3	8	0	-	68.1	51,51,76	
Final Removal	210c	15-Sep-10	16-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	16:25	14:37	22.2	7	0	-	68.1	51,51,76	
Final Removal	210d	16-Sep-10	17-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	14:37	15:35	25.0	7	0	-	68.1	51,51,76	
Final Removal	210e	17-Sep-10	18-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	15:35	12:50	21.3	7	1	-	68.1	51,51,76	
Final Removal	210f	18-Sep-10	19-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	12:50	15:04	26.2	7	0	-	68.1	51,51,76	
Final Removal	210g	19-Sep-10	20-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	15:04	14:30	23.4	8	1	-	68.1	51,51,76	
Final Removal	210h	20-Sep-10	21-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	14:30	15:29	25.0	7	0	-	68.1	51,51,76	
Final Removal	210i	21-Sep-10	22-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	15:29	14:50	23.4	7	0	-	68.1	51,51,76	
Final Removal	210j	22-Sep-10	23-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	14:50	14:45	23.9	6	0	-	68.1	51,51,76	
Final Removal	210k	23-Sep-10	24-Sep-10	14W	639099	7213065	51	3.4	638607	7212203	76	5	14:45	15:18	24.6	6	0	-	68.1	51,51,76	
Final Removal	211a	13-Sep-10	14-Sep-10	14W	638498	7212758	126	1.1	638467	7212618	25	2.4	15:49	15:20	23.5	8	5	-	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	211b	14-Sep-10	15-Sep-10	14W	638498	7212758	126	1.1	638467	7212618	25	2.4	15:20	16:11	24.9	8	4	-	136.2	25,38,51,76,102,126	
Final Removal	211c	15-Sep-10	16-Sep-10	14W	638498	7212758	126	1.1	638467	7212618	25	2.4	16:11	14:50	22.7	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	211d	16-Sep-10	17-Sep-10	14W	638498	7212758	126	1.1	638467	7212618	25	2.4	14:50	15:50	25.0	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	211e	17-Sep-10	18-Sep-10	14W	638498	7212758	126	1.1	638467	7212618	25	2.4	15:50	14:30	22.7	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	211f	18-Sep-10	19-Sep-10	14W	638498	7212758	126	1.1	638467	7212618	25	2.4	14:30	10:00	19.5	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	212a	15-Sep-10	16-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	9:40	8:15	22.6	7	4	-	136.2	25,38,51,76,102,126	
Final Removal	212b	16-Sep-10	17-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	8:15	8:30	24.3	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	212c	17-Sep-10	18-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	8:30	9:55	25.4	6	3	-	136.2	25,38,51,76,102,126	
Final Removal	212d	18-Sep-10	19-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	9:55	8:30	22.6	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	212e	19-Sep-10	20-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	8:30	9:10	24.7	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	212f	20-Sep-10	21-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	9:10	8:30	23.3	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	212g	21-Sep-10	22-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	8:30	8:20	23.8	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	212h	22-Sep-10	23-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	8:20	8:05	23.8	6	1	-	136.2	25,38,51,76,102,126	
Final Removal	212i	23-Sep-10	24-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	8:05	8:22	24.3	6	0	-	136.2	25,38,51,76,102,126	
Final Removal	212j	24-Sep-10	25-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	8:22	8:35	24.2	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	212k	25-Sep-10	27-Sep-10	14W	639105	7213038	25	1	638954	7219588	126	8	8:35	8:35	48.0	5	0	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	213a	15-Sep-10	16-Sep-10	14W	638773	7212541	25	1	638670	7212626	126	4	15:30	14:35	23.1	8	0	-	136.2	25,38,51,76,102,126	
Final Removal	213b	16-Sep-10	17-Sep-10	14W	638773	7212541	25	1	638670	7212626	126	4	14:35	15:20	24.8	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	213c	17-Sep-10	18-Sep-10	14W	638773	7212541	25	1	638670	7212626	126	4	15:20	15:10	23.8	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	213d	18-Sep-10	19-Sep-10	14W	638773	7212541	25	1	638670	7212626	126	4	15:10	14:50	23.7	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	213e	19-Sep-10	20-Sep-10	14W	638773	7212541	25	1	638670	7212626	126	4	14:50	14:06	23.3	8	2	-	136.2	25,38,51,76,102,126	
Final Removal	213f	20-Sep-10	21-Sep-10	14W	638773	7212541	25	1	638670	7212626	126	4	14:06	15:05	25.0	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	214a	15-Sep-10	16-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	16:45	14:00	21.3	8	0	-	136.2	25,38,51,76,102,126	
Final Removal	214b	16-Sep-10	17-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	14:00	14:30	24.5	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	214c	17-Sep-10	18-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	14:30	13:50	23.3	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	214d	18-Sep-10	19-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	13:50	14:20	24.5	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	214e	19-Sep-10	20-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	14:20	14:43	24.4	8	4	-	136.2	25,38,51,76,102,126	
Final Removal	214f	20-Sep-10	21-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	14:43	15:48	25.1	7	6	-	136.2	25,38,51,76,102,126	
Final Removal	214g	21-Sep-10	22-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	15:48	13:48	22.0	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	214h	22-Sep-10	23-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	13:48	15:23	25.6	6	0	-	136.2	25,38,51,76,102,126	
Final Removal	214i	23-Sep-10	24-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	15:23	15:50	24.5	6	2	-	136.2	25,38,51,76,102,126	
Final Removal	214j	24-Sep-10	25-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	15:50	15:37	23.8	5	4	-	136.2	25,38,51,76,102,126	
Final Removal	214k	25-Sep-10	27-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	15:37	16:00	48.4	5	3	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	214l	27-Sep-10	29-Sep-10	14W	638824	7213479	25	1.1	638856	7213367	126	5	16:00	9:35	41.6	5	1	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 28, 2010
Final Removal	215a	17-Sep-10	18-Sep-10	14W	638753	7213090	126	3.4	638642	7212969	25	2	9:20	8:50	23.5	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	215b	18-Sep-10	19-Sep-10	14W	638753	7213090	126	3.4	638642	7212969	25	2	8:50	8:55	24.1	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	215c	19-Sep-10	20-Sep-10	14W	638753	7213090	126	3.4	638642	7212969	25	2	8:55	9:20	24.4	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	215d	20-Sep-10	21-Sep-10	14W	638753	7213090	126	3.4	638642	7212969	25	2	9:20	8:54	23.6	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	215e	21-Sep-10	22-Sep-10	14W	638753	7213090	126	3.4	638642	7212969	25	2	8:54	8:40	23.8	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	216a	17-Sep-10	18-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	15:00	14:10	23.2	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	216b	18-Sep-10	19-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	14:10	14:30	24.3	7	1	-	136.2	25,38,51,76,102,126	
Final Removal	216c	19-Sep-10	20-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	14:30	14:18	23.8	8	3	-	136.2	25,38,51,76,102,126	
Final Removal	216d	20-Sep-10	21-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	14:18	15:37	25.3	7	3	-	136.2	25,38,51,76,102,126	
Final Removal	216e	21-Sep-10	22-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	15:37	14:00	22.4	7	2	-	136.2	25,38,51,76,102,126	
Final Removal	216f	22-Sep-10	23-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	14:00	14:27	24.5	6	1	-	136.2	25,38,51,76,102,126	
Final Removal	216g	23-Sep-10	24-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	14:27	15:03	24.6	6	0	-	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	216h	24-Sep-10	25-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	15:03	14:36	23.6	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	216i	25-Sep-10	27-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	14:36	16:35	50.0	5	1	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	216j	27-Sep-10	29-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	16:35	11:30	42.9	5	1	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 28, 2010
Final Removal	216k	29-Sep-10	30-Sep-10	14W	638713	7212490	126	3	638746	7212706	25	2	11:30	11:15	23.8	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	216l	30-Sep-10	1-Oct-10	14W	638713	7212490	126	3	638746	7212706	25	2	11:15	13:30	26.3	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	217a	21-Sep-10	22-Sep-10	14W	638488	7212724	25	1.3	638429	7212595	126	6	15:18	14:30	23.2	7	0	-	136.2	25,38,51,76,102,126	
Final Removal	217b	22-Sep-10	23-Sep-10	14W	638488	7212724	25	1.3	638429	7212595	126	6	14:30	15:04	24.6	6	0	-	136.2	25,38,51,76,102,126	
Final Removal	217c	23-Sep-10	24-Sep-10	14W	638488	7212724	25	1.3	638429	7212595	126	6	15:04	15:37	24.6	6	1	-	136.2	25,38,51,76,102,126	
Final Removal	217d	24-Sep-10	25-Sep-10	14W	638488	7212724	25	1.3	638429	7212595	126	6	15:37	15:19	23.7	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	217e	25-Sep-10	27-Sep-10	14W	638488	7212724	25	1.3	638429	7212595	126	6	15:19	16:54	49.6	5	0	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	217f	27-Sep-10	29-Sep-10	14W	638488	7212724	25	1.3	638429	7212595	126	6	16:54	11:10	42.3	5	0	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 28, 2010
Final Removal	217g	29-Sep-10	30-Sep-10	14W	638488	7212724	25	1.3	638429	7212595	126	6	11:10	15:15	28.1	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	218a	21-Sep-10	22-Sep-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	14:50	9:06	18.3	7	0	-	68.1	51,38,25	
Final Removal	218b	22-Sep-10	23-Sep-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	9:06	10:02	24.9	6	0	-	68.1	51,38,25	
Final Removal	218c	23-Sep-10	24-Sep-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	10:02	10:17	24.3	6	1	-	68.1	51,38,25	
Final Removal	218d	24-Sep-10	25-Sep-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	10:17	11:03	24.8	5	1	-	68.1	51,38,25	
Final Removal	218e	25-Sep-10	27-Sep-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	11:03	17:20	54.3	5	2	-	68.1	51,38,25	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	218f	27-Sep-10	29-Sep-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	17:20	10:20	41.0	5	0	-	68.1	51,38,25	adverse weather conditions prevented retrieval of net September 28, 2010
Final Removal	218g	29-Sep-10	30-Sep-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	10:20	17:15	30.9	5	2	-	68.1	51,38,25	
Final Removal	218h	30-Sep-10	1-Oct-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	17:15	14:55	21.7	5	1	-	68.1	51,38,25	
Final Removal	218i	1-Oct-10	2-Oct-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	14:55	10:30	19.6	5	0	-	68.1	51,38,25	
Final Removal	218j	2-Oct-10	4-Oct-10	14W	638354	7212793	51	7.9	638319	7212746	25	8.1	10:30	17:50	55.3	5	5	-	68.1	51,38,25	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	219a	24-Sep-10	25-Sep-10	14W	638357	7212384	51	5.7	638409	7212334	76	8.3	15:30	15:00	23.5	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	219b	25-Sep-10	27-Sep-10	14W	638357	7212384	51	5.7	638409	7212334	76	8.3	15:00	17:05	50.1	5	1	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	219c	27-Sep-10	28-Sep-10	14W	638357	7212384	51	5.7	638409	7212334	76	8.3	17:05	16:05	23.0	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	219d	28-Sep-10	29-Sep-10	14W	638357	7212384	51	5.7	638409	7212334	76	8.3	16:05	15:40	23.6	5	1	-	136.2	25,38,51,76,102,126	
Final Removal	220a	17-Sep-10	18-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	16:02	9:31	17.5	6	1	-	68.1	25,38,51	
Final Removal	220b	18-Sep-10	19-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	9:31	9:50	24.3	9	0	-	68.1	25,38,51	
Final Removal	220c	19-Sep-10	20-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	9:50	9:15	23.4	7	1	-	68.1	25,38,51	
Final Removal	220d	20-Sep-10	21-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	9:15	9:20	24.1	7	3	-	68.1	25,38,51	
Final Removal	220e	21-Sep-10	22-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	9:21	8:54	23.6	7	0	-	68.1	25,38,51	
Final Removal	220f	22-Sep-10	23-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	8:54	9:50	24.9	6	0	-	68.1	25,38,51	
Final Removal	220g	23-Sep-10	24-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	9:50	10:05	24.3	6	1	-	68.1	25,38,51	
Final Removal	220h	24-Sep-10	25-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	10:05	10:55	24.8	5	1	-	68.1	25,38,51	
Final Removal	220i	25-Sep-10	27-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	10:55	17:35	54.7	5	2	-	68.1	25,38,51	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	220j	27-Sep-10	29-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	17:35	10:50	41.3	5	2	-	68.1	25,38,51	adverse weather conditions prevented retrieval of net September 28, 2010
Final Removal	220k	29-Sep-10	30-Sep-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	10:50	15:00	28.2	5	0	-	68.1	25,38,51	
Final Removal	220l	30-Sep-10	1-Oct-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	15:00	14:30	23.5	5	1	-	68.1	25,38,51	
Final Removal	220m	1-Oct-10	2-Oct-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	14:30	10:15	19.8	5	0	-	68.1	25,38,51	
Final Removal	220n	2-Oct-10	4-Oct-10	14W	638397	7212918	51	5.9	638380	7212852	25	7.4	10:15	15:30	53.3	5	2	-	68.1	25,38,51	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	221a	22-Sep-10	23-Sep-10	14W	638673	7212623	126	6.3	638554	7212470	25	4.1	9:00	8:25	23.4	6	0	-	136.2	25,38,51,76,102,126	

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	221b	23-Sep-10	24-Sep-10	14W	638673	7212623	126	6.3	638554	7212470	25	4.1	8:25	8:45	24.3	6	2	-	136.2	25,38,51,76,102,126	
Final Removal	221c	24-Sep-10	25-Sep-10	14W	638673	7212623	126	6.3	638554	7212470	25	4.1	8:45	9:07	24.4	5	4	-	136.2	25,38,51,76,102,126	
Final Removal	221d	25-Sep-10	27-Sep-10	14W	638673	7212623	126	6.3	638554	7212470	25	4.1	9:07	9:12	48.1	5	3	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net September 26, 2010
Final Removal	221e	27-Sep-10	28-Sep-10	14W	638673	7212623	126	6.3	638554	7212470	25	4.1	9:12	15:30	30.3	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	221e	28-Sep-10	29-Sep-10	14W	638673	7212623	126	6.3	638554	7212470	25	4.1	15:30	14:50	23.3	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	222a	29-Sep-10	30-Sep-10	14W	638898	7213305	25	2.1	638783	7213373	126	3.1	9:45	10:00	24.3	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	222b	30-Sep-10	1-Oct-10	14W	638898	7213305	25	2.1	638783	7213373	126	3.1	10:00	10:50	24.8	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	222c	1-Oct-10	2-Oct-10	14W	638898	7213305	25	2.1	638783	7213373	126	3.1	10:50	9:35	22.8	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	222d	2-Oct-10	4-Oct-10	14W	638898	7213305	25	2.1	638783	7213373	126	3.1	9:35	14:30	52.9	5	3	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	223a	29-Sep-10	30-Sep-10	14W	638271	7213074	126	3.5	638300	7212938	25	6.1	10:10	11:30	25.3	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	223b	30-Sep-10	1-Oct-10	14W	638271	7213074	25	3.5	638300	7212938	126	6.1	11:30	14:20	26.8	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	223c	1-Oct-10	2-Oct-10	14W	638271	7213074	25	3.5	638300	7212938	126	6.1	14:20	10:05	19.8	5	1	-	136.2	25,38,51,76,102,126	
Final Removal	223d	2-Oct-10	4-Oct-10	14W	638271	7213074	25	3.5	638300	7212938	126	6.1	10:05	15:45	53.7	5	0	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	224a	29-Sep-10	30-Sep-10	14W	638550	7212297	126	6.8	638497	7212228	25	5.7	14:00	16:55	26.9	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	224b	30-Sep-10	1-Oct-10	14W	638550	7212297	126	6.8	638497	7212228	25	5.7	16:55	15:45	22.8	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	224c	1-Oct-10	2-Oct-10	14W	638550	7212297	126	6.8	638497	7212228	25	5.7	15:45	15:25	23.7	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	224d	2-Oct-10	4-Oct-10	14W	638550	7212297	126	6.8	638497	7212228	25	5.7	15:25	19:15	51.8	5	1	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	225a	29-Sep-10	30-Sep-10	14W	638341	7212479	25	4.4	638479	7212462	126	5.8	14:20	16:30	26.2	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	225b	30-Sep-10	1-Oct-10	14W	638341	7212479	25	4.4	638479	7212462	126	5.8	16:30	15:10	22.7	5	1	-	136.2	25,38,51,76,102,126	
Final Removal	225c	1-Oct-10	2-Oct-10	14W	638341	7212479	25	4.4	638479	7212462	126	5.8	15:10	15:10	24.0	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	226a	29-Sep-10	30-Sep-10	14W	638583	7212454	126	4.6	638435	7212498	25	8	14:55	16:45	25.8	5	1	-	136.2	25,38,51,76,102,126	
Final Removal	226b	30-Sep-10	1-Oct-10	14W	638583	7212454	126	4.6	638435	7212498	25	8	16:45	15:20	22.6	5	1	-	136.2	25,38,51,76,102,126	
Final Removal	226c	1-Oct-10	2-Oct-10	14W	638583	7212454	126	4.6	638435	7212498	25	8	15:20	14:50	23.5	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	226d	2-Oct-10	4-Oct-10	14W	638583	7212454	126	4.6	638435	7212498	25	8	14:50	18:20	51.5	5	2	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	227a	29-Sep-10	30-Sep-10	14W	638684	7212227	25	1.8	638606	7212243	38	4.8	15:20	16:10	24.8	5	1	-	68.1	25,38,38	
Final Removal	227b	30-Sep-10	1-Oct-10	14W	638684	7212227	25	1.8	638606	7212243	38	4.8	16:10	16:55	24.8	5	0	-	68.1	25,38,38	
Final Removal	228a	29-Sep-10	30-Sep-10	14W	638651	7212186	76	3.4	638649	7212172	51	2.6	15:40	15:55	24.3	5	0	-	68.1	51,51,76	
Final Removal	228b	30-Sep-10	1-Oct-10	14W	638651	7212186	76	3.4	638649	7212172	51	2.6	15:55	16:35	24.7	5	0	-	68.1	51,51,76	
Final Removal	229a	29-Sep-10	30-Sep-10	14W	638550	7212297	12.5	6.8	638497	7212228	51	5.7	15:50	15:40	23.8	5	0	-	90.8	12.5,25,38,51	
Final Removal	229b	30-Sep-10	1-Oct-10	14W	638550	7212297	12.5	6.8	638497	7212228	51	5.7	15:40	16:10	24.5	5	0	-	90.8	12.5,25,38,51	
Final Removal	229c	1-Oct-10	2-Oct-10	14W	638550	7212297	12.5	6.8	638497	7212228	51	5.7	16:10	16:00	23.8	5	0	-	90.8	12.5,25,38,51	
Final Removal	229d	2-Oct-10	4-Oct-10	14W	638550	7212297	12.5	6.8	638497	7212228	51	5.7	16:00	19:05	51.1	5	2	-	90.8	12.5,25,38,51	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	230a	29-Sep-10	30-Sep-10	14W	638519	7212209	51	5.4	638516	7212132	76	3.9	16:10	15:45	23.6	5	1	-	68.1	25,38,51	
Final Removal	230b	30-Sep-10	1-Oct-10	14W	638519	7212209	51	5.4	638516	7212132	76	3.9	15:45	16:16	24.5	5	4	-	68.1	25,38,51	
Final Removal	230c	1-Oct-10	2-Oct-10	14W	638519	7212209	51	5.4	638516	7212132	76	3.9	16:16	16:40	24.4	5	0	-	68.1	25,38,51	
Final Removal	230d	2-Oct-10	4-Oct-10	14W	638519	7212209	51	5.4	638516	7212132	76	3.9	16:40	18:45	50.1	5	6	-	68.1	25,38,51	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	231a	30-Sep-10	1-Oct-10	14W	638804	7212974	12.5	2.1	638832	7212914	25	2.9	10:30	11:15	24.8	5	2	-	68.1	25,38,12.5	
Final Removal	231b	1-Oct-10	2-Oct-10	14W	638804	7212974	12.5	2.1	638832	7212914	25	2.9	11:15	9:55	22.7	5	2	-	68.1	25,38,12.5	
Final Removal	231c	2-Oct-10	4-Oct-10	14W	638804	7212974	12.5	2.1	638832	7212914	25	2.9	9:55	15:15	53.3	5	3	-	68.1	25,38,12.5	adverse weather conditions prevented retrieval of net October 3, 2010
Final Removal	232a	30-Sep-10	1-Oct-10	14W	639072	7213030	25	2.2	638958	7212919	126	5.7	10:45	13:50	27.1	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	232b	1-Oct-10	2-Oct-10	14W	639072	7213030	25	2.2	638958	7212919	126	5.7	13:50	10:45	20.9	5	1	-	136.2	25,38,51,76,102,126	
Final Removal	232c	2-Oct-10	4-Oct-10	14W	639072	7213030	25	2.2	638958	7212919	126	5.7	10:45	14:50	52.1	5	7	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net October 3, 2010

Phase	Net ID	Date Set	Date Checked or Pulled	Zone	Start Coordinates (NAD83)		Start Mesh Size	Start Depth	End Coordinates (NAD83)		End Mesh Size	End Depth	Time In	Time Out	Elapsed Decimal Hours	Surface Water Temp.	Total Catch	Total Biomass Used in CPUE Calculations ¹	Net Length	Panel Mesh Sizes	Comments
	net + set #	dd-mo-yr	dd-mo-yr		easting	northing	mm	m	easting	northing	mm	m	hr:min	hr:min	hrs	°C	n	g	m	mm	
Final Removal	233a	30-Sep-10	1-Oct-10	14W	638558	7212328	126	5.9	638442	7212321	25	8	15:30	16:00	24.5	5	0	-	136.2	25,38,51,76,102,126	
Final Removal	233b	1-Oct-10	2-Oct-10	14W	638558	7212328	126	5.9	638442	7212321	25	8	16:00	16:30	24.5	5	2	-	136.2	25,38,51,76,102,126	
Final Removal	234a	2-Oct-10	4-Oct-10	14W	638346	7212505	126	5.1	638455	7212605	25	4	15:20	18:00	50.7	5	0	-	136.2	25,38,51,76,102,126	adverse weather conditions prevented retrieval of net October 3, 2010

Notes:
1 - based on "Weights used in calculation of CPUE and Final Removal Biomass" (Appendix 5.1). Combination of field weights and "unreliable" field weights substituted with estimates based on the weight/length curve for each species.

APPENDIX 7.

RAW DATA SHEETS FROM THE FISH-OUT OF THE BAY-GOOSE IMPOUNDMENT 2010

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID BL001 (a,b,c)			Number of panels by mesh size (for GNs): (S) 25 / 38 / 51 / 76 / 102 / 126 / (E)		Net Length (m):
Start location 14W	End of Net (in NAD 83) 0638759	Set date: 06-08-10	Net Height (m): All are 2m		
Easting: 0638613	End of Net (in NAD 83) 0638759	Set time: 08:55	Net depth at each end (m): 5.9m E: 6.1		
Northing: 7213027	End of Net (in NAD 83) 7212987	Lift date: 06-08-10	Surface temp. 11°C /		
Recorder: SWH		Lift time: 15:30	Wind direction / speed: NIL		
Field Staff: Dave S., Sue H., Patrick A.		General comments: air 11°C/15°C/15°C partly cloudy			

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL ³	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
RNWH	1	51	358	580	—	—	—	N		Y	77076								
ARCN	2	51	308	250	—	—	—	N		Y	77077								
LKTR	3	51	249	175	—	—	—	N		Y									
RNWH	4	76	385	600	—	—	—	N		Y	77078								
LKTR	5	38	325	325	—	—	—	N		Y	77084								
RNWH	6	76	378	525	—	—	—	N		Y	77089								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for any successfully transferred fish. 4. Fill out for all fish. 5. Fill out for all fish. 6. Fill out for all fish.

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpin or sucklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

entered by SA

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLOO2 (a,b,c)		Number of panels by mesh size (for GNG): 25: ☒ 35: ☒ 51: ☒ 75: ☒ 102: ☒ 126: ☒ (E)		Net Length (m):
Start location: 0639044	End of Net (in NAD 83): 0638924	Set date: 06-08-10	Net Height (m): All are 2m	
Easting: 7213064	End of Net (in NAD 83): 7212987	Set time: 0910	Net depth at each end (m): S: 3.3m E: 4.6m	
Northing: 7213064	End of Net (in NAD 83): 7212987	Set time: 0910	Surface temp: 11°C	
Recorder: Sue H.	End of Net (in NAD 83): 7212987	Lift date: 06-08-10	Wind direction / speed: N/L	
Field Staff: Dave S., Sue H., Patrick A.	End of Net (in NAD 83): 7212987	Lift time: 15:50	General comments: air: 11°C/15°C/15°C	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																												
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ^{5a}	Tissue metals sample ^{5b}																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																															
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Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID B1003 (a,b,c)		Number of panels by mesh size (for GNs): S 25' ✓ 38' ✓ 51' ✓ 76' ✓ 102' ✓ 126' ✓ E		Net Length (m):
Start location Eastings: 0639043	End of Net (in NAD 83) 0638927	Set date 06-08-10	Net Height (m): All are 2m	
Nothing: 7213029	7212942	Set time: 09:22	Net depth at each end (m): S: 3.4m E: 5.3m	
Recorder: Sue H		Lift date: 06-08-10	Surface temp: 11°C	
Field Staff: Sue H, Dave S, Patrick A.		Lift time: 12:05	Wind direction / speed: NIL	
General comments: air 11°C/15°C/15°C partly cloudy				

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Not handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver: metals sample ⁵	Tissue: metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
RNWH	1	76	346	375	—	—	—	Z		Y	77091							
ARCH	2	51	259	100	—	—	—	Z		Y								
RNWH	1	76	565	500	—	—	—	Z		Y	77087							
~~RNWH~~	2	84	740	1520	—	—	—	Z		Y								
LKTR	3	38	465	950	—	—	—	Z		Y	77088							
ARCH	4	38	176	50	—	—	—	Z		Y								
LKTR	5	38	250	50	—	—	—	Y	Net	N								
		Box																
ARCH	1	102	535	1300	—	—	—			Y	77090							
RNWH	2	76	770	500	—	—	—	Z		Y	77091							
RNWH	3	51	330	400	—	—	—	Z		Y								
ARCH	4	38	250	50	—	—	—	Z		Y								
ARCH	5	38	185	50	—	—	—	Z		Y								
LKTR	16	38	235	50	—	—	—	Y	NET	N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

dog food

dog food

13

entered by SH

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL 004		Number of panels by mesh size (for GNS): 5: 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ E		Net Length (m):
Start location:	End of Net (in NAD 83):	Set date: 07-08-10		Net Height (m): All are 2m
Easting: 14W0638651	14W 0638653	Set time: 13:37		Net depth at each end (m): S: 5.9 E: 7.1
Northing: 722378	7212543	Lift date: 07-08-10		Surface temp: 12°C
Recorder: Swk H / Patrick A.		Lift time:		Wind direction / speed: NIL
Field Staff: Dave S., Swk H., Patrick A.		General comments: air: 15°C / 15°C. Partly Cloudy		

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	25	122	50				N		Y								
RLWT	01	76	223	50				N		Y								
LKTR	02	76	245	175				Y	NET	N		FO						Sample - Not Needed

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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A. Gear set data

Location / ID: BL 005		Number of panels by mesh size (for GNS): 25: 2 38: 5 51: 76: 102: 126: 5		Net Length (m):
Start location	End of Net (in NAD 83)	Set date: Aug 7th / 2010		Net Height (m): All are 2m
Easting: 14W 0638523	14W 0638567	Set time: 14:05		Net depth at each end (m): 7.0, 2.3
Northing: 7212407	7212543	Lift date: 07-08-10		Surface temp: 12°C
Recorder: David Szczepanski		Lift time: 1755		Wind direction / speed: N:1
Field Staff: Sue H., Patrick A., Dave S.		General comments: air: 15°C / 15°C Partly cloudy		

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net / handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁵	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	1	38	512	1650	—			N		Y	77092							
ARCH	2	38	200	100	—			N		Y								
LKTR	3	51	265	200	—			N		Y	77093							
LKTR	4	51	295	250	—			N		Y	77094							
ARCH	5	76	373	600	—			N		Y	77095							
ARCH	6	76	554	1950	F3	RIPE		Y	Freeze	N	77096	FID	EMPTY ⁵	16.5	4.5	4025	Y	Y
LKTR	7	126	593	1825	—			N		Y	77097							
No CATCH																		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID: BL 066	Number of panels by mesh size (for GNA):		Net Length (m):
Start location	End of Net (in NAD 83)	25: ☒ 38' ☒ 51' ☒ 75' ☒ 102' ☒ 126' ☒ S	Net Height (m): All are 2m
Easting: 14W 0638438	14W 0638504	Set date: Aug 7th/2010	Net depth at each end (m): 7.1 1.5
Northing: 7212458	7212600	Set time: 14:20	Surface temp: 12°C
Recorder: Sue H.	Lift date: Aug 07/201	Wind direction / speed: NIL	
Field Staff: Dave S, Sue H, Patrick	Lift time: 16:40	General comments: anc 15°C	partly cloudy

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear test data

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Location / ID		BL007		Number of panels by mesh size (for GNs):		Net Length (m):	
Start location		End of Net (in NAD 83)		☒ 25 ☒ 38 ☒ 51 ☒ 76 ☒ 102 ☒ 126 ☒		Net Height (m) All are 2m	
Easting: 0638571		0638612		Set date: 07-08-10		Net depth at each end (m): S: 6.6m E: 3.9	
Northing: 7212393		7212534		Set time: 1430		Surface temp: 12°C	
Recorder: Sue H.				Lift date: 07-08-10		Wind direction / speed: N11	
Field Staff: Dave S., Sue H., Patrick A.				Lift time:		General comments: air = 15°C, mirthy clouds	

B. Fish sample data

[illegible]

Notes: 1 See mesh size options in section A. 2 Fork length for trout, char and whitefish; total for all others 3 Fill out fields for sex, reproductive status and maturity based on "milking" for most fish. 4 Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks 5 Some stomachs to be processed in field; some to be sent to lab - see plan 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T"

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data

Location / ID: BL 006		Number of panels by mesh size (for GNA):		Net Length (m)	
Start location	End of Net (in NAD 83)	25	38	51	76
Easting	14W 0638558	14W 0639002	Set date:	Aug 8 th / 2010	
Northing	7212980	7212991	Set time:	08:45	
Recorder:	David Szczepanski		Lift date:	Aug 8 th / 2010	
Field Staff	Patrick A. Dayquinn		Lift time:	10:45	
			General comments:	Air: 19°C / 19°C / 21°C	
				Mainly Clear	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer				Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?		Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver: metals sample ^{5a}	Tissue: metals sample ^{5b}					
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N					
BL006A	RNWH	01	102	405	MA	6/7	—	Y	Net	N		0	F	—	—	3.1	Y	Y	not much fat tastes pnt				
16°C	LKTR	02	76	740	—	—	—	N		Y													
08:45	ARKR	03	76	260	—	—	—	N		Y													
WKTR	ARCH	04	51	220	IMM	—	—	Y	Net	N													
	ARCH	05	38	185	—	—	—	N		Y													
	ARCH	06	25	140	—	—	—	N		Y													
										Y													
BL006B	RNWH	01	51	320	MA	6	—	Y	Transfer	N													
										Y													
BL006C	ARCH	01	51	230	—	—	—	N		Y													
13:50	ARCH	02	25	140	IMM	—	—	Y	Transfer	N													
17°C																							
BL006D																							
17°C																							
15:55																							

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO09A**

Number of panels by mesh size (mm):
25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒ 152: ☒ 178: ☒ 203: ☒ 229: ☒ 254: ☒ 279: ☒ 305: ☒ 330: ☒ 355: ☒ 380: ☒ 405: ☒ 430: ☒ 455: ☒ 480: ☒ 505: ☒ 530: ☒ 555: ☒ 580: ☒ 605: ☒ 630: ☒ 655: ☒ 680: ☒ 705: ☒ 730: ☒ 755: ☒ 780: ☒ 805: ☒ 830: ☒ 855: ☒ 880: ☒ 905: ☒ 930: ☒ 955: ☒ 980: ☒ 1005: ☒ 1030: ☒ 1055: ☒ 1080: ☒ 1105: ☒ 1130: ☒ 1155: ☒ 1180: ☒ 1205: ☒ 1230: ☒ 1255: ☒ 1280: ☒ 1305: ☒ 1330: ☒ 1355: ☒ 1380: ☒ 1405: ☒ 1430: ☒ 1455: ☒ 1480: ☒ 1505: ☒ 1530: ☒ 1555: ☒ 1580: ☒ 1605: ☒ 1630: ☒ 1655: ☒ 1680: ☒ 1705: ☒ 1730: ☒ 1755: ☒ 1780: ☒ 1805: ☒ 1830: ☒ 1855: ☒ 1880: ☒ 1905: ☒ 1930: ☒ 1955: ☒ 1980: ☒ 2005: ☒ 2030: ☒ 2055: ☒ 2080: ☒ 2105: ☒ 2130: ☒ 2155: ☒ 2180: ☒ 2205: ☒ 2230: ☒ 2255: ☒ 2280: ☒ 2305: ☒ 2330: ☒ 2355: ☒ 2380: ☒ 2405: ☒ 2430: ☒ 2455: ☒ 2480: ☒ 2505: ☒ 2530: ☒ 2555: ☒ 2580: ☒ 2605: ☒ 2630: ☒ 2655: ☒ 2680: ☒ 2705: ☒ 2730: ☒ 2755: ☒ 2780: ☒ 2805: ☒ 2830: ☒ 2855: ☒ 2880: ☒ 2905: ☒ 2930: ☒ 2955: ☒ 2980: ☒ 3005: ☒ 3030: ☒ 3055: ☒ 3080: ☒ 3105: ☒ 3130: ☒ 3155: ☒ 3180: ☒ 3205: ☒ 3230: ☒ 3255: ☒ 3280: ☒ 3305: ☒ 3330: ☒ 3355: ☒ 3380: ☒ 3405: ☒ 3430: ☒ 3455: ☒ 3480: ☒ 3505: ☒ 3530: ☒ 3555: ☒ 3580: ☒ 3605: ☒ 3630: ☒ 3655: ☒ 3680: ☒ 3705: ☒ 3730: ☒ 3755: ☒ 3780: ☒ 3805: ☒ 3830: ☒ 3855: ☒ 3880: ☒ 3905: ☒ 3930: ☒ 3955: ☒ 3980: ☒ 4005: ☒ 4030: ☒ 4055: ☒ 4080: ☒ 4105: ☒ 4130: ☒ 4155: ☒ 4180: ☒ 4205: ☒ 4230: ☒ 4255: ☒ 4280: ☒ 4305: ☒ 4330: ☒ 4355: ☒ 4380: ☒ 4405: ☒ 4430: ☒ 4455: ☒ 4480: ☒ 4505: ☒ 4530: ☒ 4555: ☒ 4580: ☒ 4605: ☒ 4630: ☒ 4655: ☒ 4680: ☒ 4705: ☒ 4730: ☒ 4755: ☒ 4780: ☒ 4805: ☒ 4830: ☒ 4855: ☒ 4880: ☒ 4905: ☒ 4930: ☒ 4955: ☒ 4980: ☒ 5005: ☒ 5030: ☒ 5055: ☒ 5080: ☒ 5105: ☒ 5130: ☒ 5155: ☒ 5180: ☒ 5205: ☒ 5230: ☒ 5255: ☒ 5280: ☒ 5305: ☒ 5330: ☒ 5355: ☒ 5380: ☒ 5405: ☒ 5430: ☒ 5455: ☒ 5480: ☒ 5505: ☒ 5530: ☒ 5555: ☒ 5580: ☒ 5605: ☒ 5630: ☒ 5655: ☒ 5680: ☒ 5705: ☒ 5730: ☒ 5755: ☒ 5780: ☒ 5805: ☒ 5830: ☒ 5855: ☒ 5880: ☒ 5905: ☒ 5930: ☒ 5955: ☒ 5980: ☒ 6005: ☒ 6030: ☒ 6055: ☒ 6080: ☒ 6105: ☒ 6130: ☒ 6155: ☒ 6180: ☒ 6205: ☒ 6230: ☒ 6255: ☒ 6280: ☒ 6305: ☒ 6330: ☒ 6355: ☒ 6380: ☒ 6405: ☒ 6430: ☒ 6455: ☒ 6480: ☒ 6505: ☒ 6530: ☒ 6555: ☒ 6580: ☒ 6605: ☒ 6630: ☒ 6655: ☒ 6680: ☒ 6705: ☒ 6730: ☒ 6755: ☒ 6780: ☒ 6805: ☒ 6830: ☒ 6855: ☒ 6880: ☒ 6905: ☒ 6930: ☒ 6955: ☒ 6980: ☒ 7005: ☒ 7030: ☒ 7055: ☒ 7080: ☒ 7105: ☒ 7130: ☒ 7155: ☒ 7180: ☒ 7205: ☒ 7230: ☒ 7255: ☒ 7280: ☒ 7305: ☒ 7330: ☒ 7355: ☒ 7380: ☒ 7405: ☒ 7430: ☒ 7455: ☒ 7480: ☒ 7505: ☒ 7530: ☒ 7555: ☒ 7580: ☒ 7605: ☒ 7630: ☒ 7655: ☒ 7680: ☒ 7705: ☒ 7730: ☒ 7755: ☒ 7780: ☒ 7805: ☒ 7830: ☒ 7855: ☒ 7880: ☒ 7905: ☒ 7930: ☒ 7955: ☒ 7980: ☒ 8005: ☒ 8030: ☒ 8055: ☒ 8080: ☒ 8105: ☒ 8130: ☒ 8155: ☒ 8180: ☒ 8205: ☒ 8230: ☒ 8255: ☒ 8280: ☒ 8305: ☒ 8330: ☒ 8355: ☒ 8380: ☒ 8405: ☒ 8430: ☒ 8455: ☒ 8480: ☒ 8505: ☒ 8530: ☒ 8555: ☒ 8580: ☒ 8605: ☒ 8630: ☒ 8655: ☒ 8680: ☒ 8705: ☒ 8730: ☒ 8755: ☒ 8780: ☒ 8805: ☒ 8830: ☒ 8855: ☒ 8880: ☒ 8905: ☒ 8930: ☒ 8955: ☒ 8980: ☒ 9005: ☒ 9030: ☒ 9055: ☒ 9080: ☒ 9105: ☒ 9130: ☒ 9155: ☒ 9180: ☒ 9205: ☒ 9230: ☒ 9255: ☒ 9280: ☒ 9305: ☒ 9330: ☒ 9355: ☒ 9380: ☒ 9405: ☒ 9430: ☒ 9455: ☒ 9480: ☒ 9505: ☒ 9530: ☒ 9555: ☒ 9580: ☒ 9605: ☒ 9630: ☒ 9655: ☒ 9680: ☒ 9705: ☒ 9730: ☒ 9755: ☒ 9780: ☒ 9805: ☒ 9830: ☒ 9855: ☒ 9880: ☒ 9905: ☒ 9930: ☒ 9955: ☒ 9980: ☒ 10005: ☒ 10030: ☒ 10055: ☒ 10080: ☒ 10105: ☒ 10130: ☒ 10155: ☒ 10180: ☒ 10205: ☒ 10230: ☒ 10255: ☒ 10280: ☒ 10305: ☒ 10330: ☒ 10355: ☒ 10380: ☒ 10405: ☒ 10430: ☒ 10455: ☒ 10480: ☒ 10505: ☒ 10530: ☒ 10555: ☒ 10580: ☒ 10605: ☒ 10630: ☒ 10655: ☒ 10680: ☒ 10705: ☒ 10730: ☒ 10755: ☒ 10780: ☒ 10805: ☒ 10830: ☒ 10855: ☒ 10880: ☒ 10905: ☒ 10930: ☒ 10955: ☒ 10980: ☒ 11005: ☒ 11030: ☒ 11055: ☒ 11080: ☒ 11105: ☒ 11130: ☒ 11155: ☒ 11180: ☒ 11205: ☒ 11230: ☒ 11255: ☒ 11280: ☒ 11305: ☒ 11330: ☒ 11355: ☒ 11380: ☒ 11405: ☒ 11430: ☒ 11455: ☒ 11480: ☒ 11505: ☒ 11530: ☒ 11555: ☒ 11580: ☒ 11605: ☒ 11630: ☒ 11655: ☒ 11680: ☒ 11705: ☒ 11730: ☒ 11755: ☒ 11780: ☒ 11805: ☒ 11830: ☒ 11855: ☒ 11880: ☒ 11905: ☒ 11930: ☒ 11955: ☒ 11980: ☒ 12005: ☒ 12030: ☒ 12055: ☒ 12080: ☒ 12105: ☒ 12130: ☒ 12155: ☒ 12180: ☒ 12205: ☒ 12230: ☒ 12255: ☒ 12280: ☒ 12305: ☒ 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20655: ☒ 20680: ☒ 20705: ☒ 20730: ☒ 20755: ☒ 20780: ☒ 20805: ☒ 20830: ☒ 20855: ☒ 20880: ☒ 20905: ☒ 20930: ☒ 20955:

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO10**

Start location: **14W 0638390** End of Net (in NAD 83): **14W 0638321**

Easting: **7212740** Northing: **7212587**

Recorder: **Dave S.**

Field Staff: **Dave S., Patrick A., Dayquinn C.**

Number of panels by mesh size (for GNS):
25' ☒ 38' ☒ 51' ☒ 76' ☒ 102' ☒ 126' ☒ 151' ☒

Set date: **Aug 5th / 2010**

Set time: **09:40**

Lift date: **Aug 8, 2010**

Lift time: **1730**

Net Length (m): **15**

Net Height (m): All are 2m

Net depth at each end (m): **7.8 / 1.1**

Surface temp: **14°C**

Wind direction / speed: **nil**

General comments: **air: 19°C / 19°C / 21°C Mainly clear.**

B. Fish sample data

These fields for every fish					Field fish data ¹			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death ⁴ (Net / handling / transfer)	Successfully transferred to TPL ⁵	Aging Structure ⁶	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁷	Tissue metals sample ⁸		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BLO10A	8 catch																		
~~RNWAH~~	01	51	235	150	—	—	—	N		Y									
LKTR	02	38	550	1600	—	—	—	N		Y	77073								
ARCH	03	38	200	100	—	∅	—	Y	Net	N		OK	3.85	—	—	0.94	Y	Y	
ARCH	04	25	140	50	(MM)	—	—	Y	transfer	N									
RNWAH	01	25	374	550	—	—	—	Y	Net	N									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

BLOOY S
E = 14W 0638651
7212378

Mar 2011
Meadowbank Division

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID:	BLO11		Number of panels by mesh size (for GNs):	Net Length (m)
Start location:	End of Net (in NAD 83)	Set date:	Net Height (m): All are 2m	
Easting:	14W 0638372	14W 0638531	Set time:	Net depth at each end (m): 8.1/1.3
Northing:	7212629	7212593	Set time:	Surface temp: 15°C
Recorder:	Dave S. Paton, K. A. Daughum		Lift date:	Wind direction / speed: NIL
Field Staff:			Lift time:	General comments:
			16:10	10°C 16°C 19°C 17°C Clear

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net / handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	76	262	125	F	F11	—	N	Net	N		FO	F	N/A	N/A	Y	Y	Pay site cost
LKTR	02	38	180	25	—	—	—	N		Y								on stock
RNWH	03	38	345	475	F	F2	—	Y	Net	N		0	F	21.30	0.26	62	Y	
RNWH	01	76	377	675	—	M7	—	N	Transfer	N	77068	OF	14.05	—	—	5.67	Y	
LKTR	02	38	181	50	—	—	—	N		Y								Stomach pres
LKTR	03	38	175	56	—	—	—	N		Y								
RNWH	01	76	368	600	—	—	—	N		Y								
LKTR	02	51	260	175	—	—	—	N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Page 1 of 1

Location / ID: BLOIR		Number of panels by mesh size (for GNs)		Net Length (m)	
Start location		End of Net (in NAD 83)		Net Height (m) All are 2m	
Easting: HW 0638396		HW 0638550		Net depth at each end (m): 9.1 / 4.4	
Northing: 7212095		7212039		Surface temp: 15°C	
Recorder: D.S		Lift date: Aug 9th / 2010		Wind direction / speed: Nil	
Field Staff: David Szczepanski, Patrick A		Lift time: 16:25		General comments: low 16°C / 19°C / 17°C clear	
Isabelle C					

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death, (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample?	Tissue metals sample?				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N			
BLE	12A	38	237	125	-	F1	-	N	Transfer	N		0.55	-	-	0.21	Y	Y				
BNWH	01	38	237	125	-	F1	-	N	Transfer	N		0.55	-	-	0.21	Y	Y				
ARCH	02	38	219	200	-	F12	-	Y	Net	N		0.53	-	-	2.11	Y	Y	cysts on stomach			
LKTR	03	38	235	125	-	M6	-	Y	Net	N		5.14	-	-	0.84	Y	Y	cysts on stomach			
LKTR	04	25	165	50	-	-	-	N		Y											
ARCH	01	51	190	50	-	-	-	N		Y											

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Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO13		Number of panels by mesh size (for GNEs): S 25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒ E		Net Length (m):
Start location	End of Net (in NAD 83)	Set date: Aug 9th 2010		Net Height (m): All are 2m
Easting: HW 0638444	HW 0638575	Set time: 9:45		Net depth at each end (m): 6.1/15
Northing: 7212736	7212714	Lift date: Aug 09, 2010		Surface temp: 15°C
Recorder: D.S.	Lift time: 16:45		Wind direction / speed: N16	
Field Staff: Isabelle C., Patrick A.		General comments: air 16°C/19°C/17°C Clear		

AEM 2010
Page 1 of 1

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BLO13A		catch																	
RNUH	01	25	140	25	-	Imm	-	X	Net	N		1.46	-	-	.15	Y	Y		
LKTR	02	38	230	125	-	-	-	N		Y									
RNUH	03	76	345	700	-	-	-	N		Y	77067								
LKTR	04	76	245	150	-	-	-	N		Y									
LKTR:	01	25	250	150	-	-	-	N		Y									
RNUH	02	25	147	125	-	-	-	N		Y									
ARCH	03	25	203	25	Imm	-	-	Y	Net	N									
LKTR	04	25	152	50	-	-	-	N		Y	77066								
LKTR	05	38	355	400	-	-	-	N		Y									
RNUH	06	38	207	100	-	-	-	N		Y									
LKTR	07	76	462	1100	F	5	-	X	Net	N		70	F	4.7	200	Y	Y gut parasite		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location ID: BLO14		Number of panels by mesh size (for GNA)		Net Length (m): 150m	
Start location	End of Net (in NAD 83)	E 25 ☒ 38 ☒ 51 ☒ 76 ☒ 102 ☒ 126 ☒ 15		Net Height (m): All are 2m	
Easting: 14W0638647	14W0638698	Set date: 10 August 2010		Net depth at each end (m): 6/1	
Northing: 7213075	7213198	Set time: 0825		Surface temp: 15°C	
Recorder: Jesse Bell		Lift date: Aug 10th 2010		Wind direction / speed: ~10 km S	
Field Staff: Dave S., Patrick A., Jesse B.		Lift time: 16:05		General comments: air: 17°C/16°C/18°C/20°C partly cloudy	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BNWH	01	25	400	650	-	-	-	Y	Transfer	N		F0	F	N/A	N/A	5	Y	Y	
BNWH	02	76	380	600	-	-	-	Y	Transfer	N		F0	F	N/A	N/A	5	Y	Y	
	catch																		
	catch																		
LKTR	01	25	130	25	-	-	-	N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others; 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish; 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks; 5. Some stomachs to be processed in field; some to be sent to lab - see plan; 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data

Location / ID: <u>BLO15</u>		Number of panels by mesh size (for GNs)		Net Length (m) <u>150 m</u>	
Start location		End of Net (in NAD 83)		Net Height (m): All are 2m	
Easting: <u>14W0638648</u>		Set date: <u>10 August 2010</u>		Net depth at each end (m): <u>6.3/4.2</u>	
Northing: <u>7213071</u>		Set time: <u>0841</u>		Surface temp: <u>16°C</u>	
Recorder: <u>Jesse Bell</u>		Lift date: <u>10 August 2010</u>		Wind direction / speed: <u>N10 km/h S</u>	
Field Staff: <u>David S., Patrick A., Jesse B.</u>		Lift time: <u>16:15</u>		General comments: <u>air 17°C / 16°C / 18°C / 20°C partly cloudy</u>	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Sexed Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ^{5a}	Tissue metals sample ^{5b}				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N			
LKTR	01	76	140	900	-	-	-	N		Y	77065										
RNWH	02	76	378	700	-	-	-	Y	Transfer	N		0	F	N/A	N/A	5	Y	Y			
LKTR	03	51	326	350	-	-	-	Y	Net	N		FO	F	N/A	N/A	2	Y	Y	only 1 otolith		
					*																
LKTR	01	76	516	1000	-	-	-	N		Y	77063										
ARCH	02	25	141	25	-	-	-	N		Y											
LKTR	01	38	280	250	-	FIP	-	Y	Net	N		0,F	7.94	-	-	186	Y	Y	cysts on stomach		
RNWH	02	25	136	25	-	-	-	Y	Net	N		~~0,F~~									
BLO15D 0 Catch																					

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: <u>BLO16</u>		Number of panels by mesh size (for GNS):		Net Length (m): <u>150m</u>
Start location	End of Net (in NAD 83)	5 25 ✓ 38 ✓ 51 ✓ 78 ✓ 102 ✓ 126 ✓ E		Net Height (m): All are 2m
Easting	<u>14W0638751</u>	Set date:	<u>10 August 2010</u>	Net depth at each end (m): <u>4/2 4/0</u>
Northing	<u>7213195</u>	Set time:	<u>8:50</u>	Surface temp: <u>16°C</u>
Recorder:	<u>Patrick A.</u>	Lift date:	<u>10 August 2010</u>	Wind direction / speed: <u>~10 km/h S</u>
Field Staff:	<u>Jesse Hill, Paul S. Patrick A.</u>	Lift time:	<u>16:35</u>	General comments: <u>air: 17°C/16°C 1182/20°C partly cloudy.</u>

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																		
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ARCH	02	38	240	150	—	—	—	N		Y																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																									
LKTR	03	38	685	3000	—	—	—	N		Y	77064																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																																								
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Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan, 8/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO17**

Start location: **14w 0638730** End of Net (in NAD 83): **14w 0638841**

Eastings: **7812907** Northings: **7812984**

Recorder: **Dave S** Field Staff: **Garth, T Ricardo, G**

Number of panels by mesh size (for GNA): **F 25 38 51 76 102 126 Y S**

Set date: **Aug 11/2010** Set time: **08:30** Lift date: **Aug 11th 2010** Lift time: **15:30**

Net Length (m): **126** Net Height (m) All are 2m

Net depth at each end (m): **6.1/1.3** Surface temp: **15°C** Wind direction / speed: **S ~ 15km**

General comments: **air: 15°C / 20°C / 17°C overcast**

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL ⁴	Aging Structure ⁴	Stomach weight (or % fat) & contents indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	76	235	150	-	-	-	N		Y								
RNLH	02	51	225	150	-	-	-	N		Y								
LKTR	03	51	400	700	-	-	-	N		Y	77062							
ARCH	04	51	190	100	-	-	-	N		Y								
LKTR	05	25	133	25	-	-	-	N		Y								
		76	300	150	-	-	-	N		Y								
RNLH	01	76	309	350	-	-	-	N		Y								
ARCH	02	58	204	150	-	-	-	N		Y								
LKTR	01	25	197	150	-	-	-	Y	Transfer									
ARCH																		

187mm

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data

Location / ID: **BLO18**

Start location: **NW 0638722** End of Net (in NAD 83): **14W 0638832**

Easting: **7212793** Northing: **7212887**

Recorder: **Dave S** Field Staff: **Garth, Ricc**

Number of panels by mesh size (for GNEs): **E 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 125: ✓ S**

Set date: **Aug 11th, 2010** Set time: **8:50**

Net Length (m): **63/4.9** Net Height (m): **All are 2m**

Net depth at each end (m): **63/4.9** Surface temp: **15°C**

Wind direction / speed: **S ~ 15 km/h**

General comments: **air: 15°C / 20°C / 17°C overcast**

B. Fish sample data

These fields for every fish					Field fish data *			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure *	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁵	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
BLO18A		2	Catch															
RNWH	01	76	335	400	-	-	-	N		-								
LKTR	02	76	339	400	-	-	-	N		-	77061							
ARCH	03	51	197	150	-	N/A	-	Y	Net	-		OF	2.72	-	-	0.73	Y	Y
ARCH	04	51	182	100	-	-	-	N		-								
BLO18C		2	Catch															

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID	BLO19		Number of panels by mesh size (for GNA):	Net Length (m)
Start location	End of Net (in NAD 83)	Set date	Set time	Net Height (m): All are 2m
Easting	14W 0638837	14W 0638877	Aug 11th 12010	Net depth at each end (m): 3.3 / 1.7
Northing	7212912	7213048	9:10	Surface temp. 13
Recorder	Dave S		Lift date	Wind direction / speed: S ~1.5 km/hr
Field Staff:	Garth, Ricardo		Lift time	General comments:
			16:00	air: 15°C / 20°C / 17°C overcast

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net / handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
LKTR	01	25	138	50	—	—	—	N		Y									
RNWA	02	25	132	25	—	—	—	N		Y									
RNWH	03	25	144	50	—	—	—	N		Y									
RNWH	04	76	338	400	—	—	—	N		Y									
ARCH	01	25	139	25	—	—	—	N		Y									
ARCH	02	25	163	50	—	—	—	N		Y									
LKTR	03	25	142	25	—	—	—	N		Y									
LKTR	01	76	307	300	—	—	—	Y	Net	N	—	F+D	Y	F	—	2.43	Y	Y	parasitic cysts on gut
RNWH	02	76	307	300	F2	—	—	Y	Net	N	—	0	F	10.47	0.23	4.82	Y	Y	no fat
RNWH	03	76	405	700	M7	—	—	Y	Net	N	—	0	10.48	F	9.67	Y	Y	lots of fat	
RNWH	04	76	327	400	M7	—	—	Y	Net	N	—	0	4.82	P	—	3.86	Y	Y	lots of fat
LKTR	05	25	185	25	—	—	—	N		Y									
</																			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID:	BL020		Number of panels by mesh size (for GNE):	525 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ E	Net Length (m):	125 m
Start location	14W0638610	End of Net (in NAD 83)	14W0638484	Set date:	Aug. 11, 2010	Net Height (m): All are 2m
Easting:	7212704	7212416	Set time:	9:25	Net depth at each end (m):	5.8, 5.7
Northing:	7212704	7212416	Lift date:	Aug 11, 2010	Surface temp:	13°C
Recorder:	Patrick Amour		Lift time:	15:56	Wind direction / speed:	~15 km 145°
Field Staff:	Mik, M. Seix, B. Patrick, F.		General comments: air: 15°C 120°C 17°C overcast			

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B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL?	Agony Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary Weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
ARCH	01	25	147	30	-	1mm		Y	NET	N		OF 0.79	-	-	0.24	Y	Y	
RNWH	02	51	329	500	-			N		Y								
LKTR	03	51	290	300	-	F12		Y	NET	N		OF 7.73	-	-	228	Y	Y	
ARCH	01	51	194	50	-			N		Y								
LKTR	02	76	570	1650	-			N		Y	56989							
RNWH	01	76	368	550	-			N		Y	56990							

STEM. pres.

STEM. pres.

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO21		Number of panels by mesh size (for GNLs): 5 25 ✓ 35 ✓ 51 ✓ 75 ✓ 102 ✓ 126 ✓		Net Length (m): 125m
Start location:	End of Net (in NAD 83):	Set date:	Net Height (m): All are 2m	
Easting: 14W0638480	14W0638392	Set time: 9:40	Net depth at each end (m): 42 11.6	
Northing: 7212535	7212650	Set date: Aug 11 2010	Surface temp: 14°C	
Recorder: Kelrick, A.	Field Staff: Jesse, B. Mike, M. Kelrick, A.	General comments:	Wind direction / speed: SW 15	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicates if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N		
ARCH	01	25	137	25	-	-	-	N		Y	-									
ARCH	02	25	146	25	-	-	-	N		Y	-									
ARCH	03	25	117	25	-	-	-	N		Y	-									
LKTR	04	38	175	75	-	-	-	N		Y	-									
ARCH	05	38	124	50	-	-	-	N		Y	-									
ARCH	06	36	230	100	-	-	-	N		Y	-									
ARCH	07	76	340	600	-	-	-	N		Y	56988									
RNWH	01	51	300	800	-	F2	-	Y	NET	N		OF	7.17	3.89	.25	2.33	Y	Y		
~~XXXXXXXXXX~~																				
ARCH	01	25	197	50	-	-	-	N		Y										
ARCH	02	25	132	25	-	-	-	N		Y										
LKTR	03	25	135	25	-	D	-	Y	NET	N		OF	0.91 preserved	-	-	0.22	Y	Y		
LKTR	04	38	234	200	-	M7	-	Y	NET	N		OF	6.10	-	-	1.57	Y	Y		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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B. Fish sample data

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T"

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO23**

Start location: **14W 0639916** End of Net (in NAD 83): **14W 0638891**

Eastings: **7212567** Northings: **7212704**

Recorder: **Dave S** Field Staff: **Garth, Ricardo**

Number of panels by mesh size (for GNe): **E 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 128 ✓ VS**

Set date: **Aug 12th 2010** Set time: **8:00** Lift date: **Aug 12th 2010** Lift time: **16:50**

Net Length (m): **1013.3** Net Height (m): **All are 2m** Net depth at each end (m): **1.0 / 3.3** Surface temp: **14°C** Wind direction / speed: **5 / 5km**

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
LKTR	01	85	122	50	-	-	-	N		Y										
LKTR	02	38	205	100	-	-	-	N		Y										
LKTR	03	76	415	750	-	-	-	N		Y	77060									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data

Location / ID: **BLO24**

Number of panels by mesh size (for GNS):
 5: 25 ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 128: ✓ E

Net Length (m):
 Net Height (m): All are 2m

Start location: **14W 0638753** End of Net (in NAD 83): **14W 0638755** Set date: **Aug 12th 2010** Net depth at each end (m): **34 / 6.8**

Easting: **7212535** Northing: **7212683** Set time: **8:10** Surface temp: **15°C**

Recorder: **Dave .5** Lift date: **Aug 12th 2010** Wind direction / speed: **15 km/h South**

Field Staff: **Ricardo, Garth** Lift time: **17:10** General comments:

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment ¹							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net / handling / transfer)	Successfully transferred to TPL?	Agng Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
ARCH	01	38	191	100	-	-	-	N		Y								
ARCH	02	25	131	25	-	-	-	N		Y								
LKTR	03	25	114	25	-	-	-	N		Y								
LKTR	01	38	118	25	-	-	-	N		Y								
ARCH	02	25	128	25	-	-	-	N		Y								
LKTR	03	25	447	900	-	-	-	N		Y	77059							
LKTR	01	38	325	300	-	-	-	N		Y	77058							
LKTR	01	38	193	100	-	-	-	N		Y								
ARCH	02	38	210	100	-	-	-	N		Y								
ARCH	03	25	120	50	-	-	-	N		Y								
ARCH	04	25	145	75	-	-	-	N		Y								
ARCH	05	25	142	50	-	-	-	N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set date

Location / ID: BLO25		Number of panels by mesh size (for GNC):		Net Length (m)
Start location	End of Net (in NAD 83)	S 25 ✓ 38: ✓ 51 ✓ 76: ✓ 102: ✓ 126: ✓		Net Height (m): All are 2m
Easting: 14W 0638844	14W 0638751	Set date: Aug 12th 2010		Net depth at each end (m): 4.0, 6.6
Northing: 7212750	7212684	Set time: 6:30		Surface temp: 15°C
Recorder: Dave J		Lift date: Aug 12th 2010		Wind direction / speed: 15 km/h South
Field Staff: Ricardo, Garth		Lift time: 1730		General comments

B. Fish sample date

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net / handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	38	155	100	-	-	-	N		Y								
RNLH	02	38	213	150	-	-	-	N		Y								
LKTR	01	38	188	100	-	-	-	N		Y								
ARCH	01	25	133	25	-	-	-	N		Y								
NO CATCH																		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID:	BL026		Number of panels by mesh size (for GNS):	Net Length (m):	150 m
Start location	End of Net (in NAD 83)	Set date:	Net Height (m) All are 2m	Net depth at each end (m)	8 & 5.9
Easting:	14W0638362	14W0638493	Set time:	Surface temp:	15°C
Northing:	7212291	7212332	Lift date:	Wind direction / speed:	15 Km/H SE
Recorder:	Jesse Bell		Lift time:	16:47	
Field Staff:	Jesse B., Derek M., Joe P.,		General comments		

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code (g)				Y/N	Y/N	
A	LKTR	001	51	549	1800	—	—	—	N		Y	56991						
B	LKTR	002	102	520	1600	—	—	—	N		Y	56992						
C	LKTR	003	102	587	8750	—	—	—	N		Y	56994						
D	BL026D	Ø Catch																

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fine for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data

Location / ID: BL027		Number of panels by mesh size (for GNet): E 25: ☒ 36: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒ 150: ☒				Net Length (m): 150 m	
Start location: 14W 0638547		End of Net (in NAD 83): 14W 0638617		Set date: 12 August 2010		Net Height (m): All are 2m	
Easting: 7212082		Northing: 7212197		Set time: 0835		Net depth at each end (m): 5.1 2.9	
Recorder: Jesse Bell		Lift date: 12 August 2010		Lift time: 1655		Surface temp: 15°C	
Field Staff: Jesse B., Derek M., Joe P.		General comments:		Wind direction / speed: 15 km/H SE			

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Not handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
	BL027A	Ø Catch																	
P	BURB	001	25	130	25	—	—	—	N	Y	—								
P	ARCH	002	51	242	150	—	—	—	N	Y	—								
	BURB	003	38	206	50	—	—	—	N Science	N	—								
	BL027D	Ø Catch																	

X FOR
RYAN
FROZEN
WHOLE

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "mating" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO28		Number of panels by mesh size (for GNs): 5 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 125 ✓ VE		Net Length (m): 150 m
Start location	End of Net (in NAD 83)	Set date: 12 August 2010	Net Height (m): All are 2m	
Easting: 14W 0638666	14W 0638567	Set time: 0846	Net depth at each end (m): 50 2.3	
Northing: 7212190	7212300	Lift date: 12 August 2010	Surface temp: 15°C	
Recorder: Jesse Bell	Lift time: 1709	Wind direction / speed: 15 km/h SE		
Field Staff: Jesse B., Derek M., Joe P.		General comments:		

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B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Not/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁵		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #					Y/N	Y/N		
BLO28A 1036 15°C	LKTR 001	126	256	150	-	-	-	N		Y	-								
	LKTR 002	38	229	100	-	-	-	Y	Net	N	-								NOT NEEDED
	ARCH 003	38	185	50	-	-	-	N		Y	-								
	ARCH 004	38	128	25	-	-	-	N		Y	-								
	LKTR 005	38	120	25	-	-	-	N		Y	-								
	ARCH 006	38	133	26	-	-	-	N		Y	-								
BLO28B 1313 14°C	LKTR 007	38	121	25	-	-	-	N		Y	-								
	ARCH 002	38	119	25	-	-	-	N		Y	-								
	ARCH 003	38	198	100	-	-	-	N		Y	-								
	BURB 004	76	595	2000	-	-	-	N		Y	-								
BLO28C 1523 14°C	ARCH 011	25	119	25	-	-	-	N		Y	-								
BLO28D 1709 14°C	BLO28D) Ø Catch																		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO29**

Start location: **14W0639035** End of Net (in NAD 83): **14W0638949**

Eastings: **7213059** Northings: **7218939**

Recorder: **David** Field Staff: **Ricardo, Garth**

Number of panels by mesh size (for GNS): **F 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 125 ✓ S**

Set date: **Aug 13th 2010** Set time: **09:00**

Lift date: **Aug 13th 2010** Lift time: **16:15**

Net Length (m): **150m** Net Height (m): All are 2m

Net depth at each end (m): **3.4 3.2** Surface temp: **13°C**

Wind direction / speed: **25-40 km N**

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net / handling / transfer)	Successfully transferred to TPL ⁵	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ^{6a}	Tissue metals sample ^{6b}	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
ARCH	01	51	180	100	-	-	-	N		Y								
LKTR	02	25	116	25	-	-	-	N		Y								
LKTR	01	25	135	50	-	-	-	N		Y								
LKTR	02	25	118	25	-	-	-	N		Y								
LKTR	03	38	196	100	-	IMM	-	Y	Net	N		FO 4.1	-	-	.78	Y	Y	
ARCH	01	25	130	50	-	-	-	N		Y								
LKTR	02	25	141	50	-	IMM	-	Y	Net	N		FO 2.35	-	-	.34	Y	Y	
RNWH	03	51	302	150	-	-	-	N		Y								
RNWH	04	51	233	150	-	-	-	N		Y								

STOM PRESEN

STOM PRESEN

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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B. Fish sample data

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan, 5/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear and data

Location / ID: BLO31		Number of panels by mesh size (for GNS)		Net Length (m): 150m
Start location	End of Net (in NAD 83)	E 25 ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ 5		Net Height (m). All are 2m
Easting: 14W 0638943	14W 0638976	Set date: Aug 13th / 2010		Net depth at each end (m): 1.6/4.6
Northing: 7213024	7213135	Set time: 9:30		Surface temp: 12°C
Recorder: Dave S		Lift date: Aug 13th / 2010		Wind direction / speed: 25-40 km/h North
Field Staff: Garth, Ricardo		Lift time: 16:40		General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL ⁵	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ^{6a}	Tissue metals sample ^{6b}	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	25	188	100	—	—	—	N		Y								
LKTR	02	38	195	100	—	—	—	N		Y								
ARCH	03	38	230	175	—	—	—	N		Y								
LKTR	04	38	253	200	—	—	—	N		Y								
LKTR	01	25	148	75	—	—	—	N		Y								
LKTR	02	38	197	100	—	—	—	N		Y								
LKTR	03	38	179	100	—	—	—	N		Y								
ARCH	04	38	203	150	—	—	—	N		Y								
LKTR	05	76	315	300	—	—	—	N		Y	77057							
ARCH	06	76	330	300	—	—	—	N		Y	77056							
LKTR	01	25	110	50	—	—	—	N		Y								
RNWH	02	38	140	100	—	—	—	N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan B7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL032		Number of panels by mesh size (for GNs):		Net Length (m): 150	
Start location	End of Net (in NAD 83)	S: 25 ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 120: ✓ E		Net Height (m) All are 2m	
Easting: 14W 0688737	14W 0638664	Set date: 13 August 2010		Net depth at each end (m): 6.5 / 2.2	
Northing: 7212748	7212630	Set time: 9:00		Surface temp: 13°C	
Recorder: Jesse Bell		Lift date: 13 August 2010		Wind direction / speed: 25-40 Km/H N	
Field Staff: Jesse B., Derek M., Joe P.		Lift time: 16:15		General comments:	

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁶	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
BL032A	BL032A	Ø	Catch															
ARCH	001	38	239	175	-	F1	-	Y	Net	N		OF 5.01	-	-	1.73	Y	Y	
RNH	002	38	198	100	-	-	-	N		Y								
RNH	003	38	225	125	-	-	-	N		Y								
LKTR	004	25	134	100	-	-	-	N		Y								
LKTR	001	76	244	200	-	-	-	N		Y								

X SP*

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set date		Number of panels by mesh size (for GNS):		Net Length (m) 150	
Location / ID: BLO33		E 25 ✓ 38 ✓ 51 ✓ 75 ✓ 102 ✓ 128 ✓		Net Height (m) All are 2m	
Start location		End of Net (in NAD 83)		Net depth at each end (m) 2, 4.8	
Easting 14W 0638 651		14W 0638 655		Surface temp. 13°C	
Northing 7212760		7212698		Wind direction / speed 25-40 km/h N	
Recorder: Jesse Bell		Set date: 13 August 2010		Lift date: 13 August 2010	
Field Staff: Jesse B., Derek M., Joe P.		Lift time: 1630		General comments:	

B. Fish sample data					Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)					
These fields for every fish					Field fish data ³			Fish Transfer												
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicates if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs			Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁵	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
LKTR	001	25	154	25	-	-	-	Y	Net	N		OF	1.16	-	-	0.38	Y	Y	capt on stomach	
LKTR	002	38	280	250	-	-	-	N		Y										
LKTR	003	31	229	100	-	-	-	N		Y										
LKTR	004	76	195	150	-	-	-	N		Y										
RNWH	005	76	346	350	-	-	-	N		Y										
LKTR	001	25	142	100	-	-	-	Y	Net	N		FO	1.55	-	-	.45	✓	✓		
LKTR	002	38	199	150	-	-	-	N		Y										
ARCH	003	38	172	100	-	-	-	N		Y										
LKTR	001	38	303	450	-	-	-	N		Y										
ARCH	002	38	206	150	-	-	-	N		Y										
LKTR	003	76	548	1850	-	-	-	N		Y	51995									
RNWH	004	76	383	600	-	-	-	N		Y									Didn't tag because didn't look like it would survive transfer	

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC; otoliths only for burbot and whitefish; none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL034		Number of panels by mesh size (dx, GNS):		Net Length (m): 150m	
Start location	End of Net (in NAD 83)	Set date: 13 August 2010		Net Height (m): All are 2m	
Easting: 14W 0638879	14W 0638910	Set time: 0920		Net depth at each end (m): 2.5-5	
Northing: 7213369	7213226	Lift date: 13 August 2010		Surface temp: 13°C	
Recorder: Jesse Bell		Lift time: 1645		Wind direction / speed: 25-40 Km/H N	
Field Staff: Jesse B., Derek M., Joe P.		General comments:			

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL ⁵	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁶	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
ARCH	001	38	200	150	-	-	-	N		Y									
ARCH	002	38	185	100	-	-	-	N		Y									
ARCH	003	38	186	120	-	-	-	N		Y									
ARCH	004	38	260	150	-	M6	-	N	Net	N		OF	6.4	-	-	1.48	Y	Y	
LKTR	005	25	200	150	-	-	-	N		Y									
LKTR	006	25	218	150	-	M6	-	N	Net	N		OF	2.71	-	-	0.97	Y	Y	
LKTR	007	25	295	300	-	-	-	N		Y								cysts on stomach	
LKTR	001	51	235	175	-	-	-	N		Y									
LKTR	002	38	295	200	-	-	-	N		Y									
LKTR	003	38	186	150	-	-	-	N		Y									
ARCH	004	25	187	150	-	-	-	N		Y									
LKTR	005	25	254	200	-	-	-	N		Y									
BL034	C	Catch																	

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for 1 E and 2 G. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample".

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, reprstatus and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO35		Number of panels by mesh size (for GNA): S 25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒ E		Net Length (m):
Start location	End of Net (in NAD 83)	Set date: Aug 15th 2010	Set time: 08:00	Net Height (m) All are 2m
Easting: 14W 0638694	14W 0638603	Net depth at each end (m): 6.3/4.1	Surface temp: 11°C	Wind direction / speed: 50 km/h
Northing: 7212603	7212485	Net date: Aug 15th 2010	Net time: 13:50	General comments:
Recorder: Dave S	Field Staff: Gauth, Ricardo			

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B. Fish sample data

2. Fish Sample Data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BLO35A	01	102	635	2300	-	-	-	N	77054	Y									
LKTR	02	102	495	1400	-	-	-	N	77053	Y									
RNWH	03	51	386	650	-	-	-	N		Y									
RNWH	04	51	278	300	-	-	-	N		Y									
ARCH	05	38	180	100	-	-	-	N		Y									
ARCH	06	38	196	150	-	-	-	N		Y									
ARCH	07	25	135	50	-	-	-	N		Y									
Net	Pulled out			13:50															
							</												

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Clotids and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data		Location / ID: BLO36		Number of panels by mesh size (for GNA):		Net Length (m): 150	
Start location		End of Net (in NAD 83)		5 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 128: ✓ E		Net Height (m): All are 2m	
Easting: 14W 0638731		14W 0638666		Set date: Aug 15 th 2010		Net depth at each end (m): 5.0 / 5.4	
Northing: 7212557		7212429		Set time: 8:20		Surface temp: 17°C	
Recorder: Dave		Lift date: Aug 15 th 2010		Lift time: 16:15		Wind direction / speed: 30km / North	
Field Staff: Garth, Ricardo		General comments:					

B. Fish sample data					Lab Analysis: Biological Assessment												Comments (including results of internal / external examinations including DELT)	
These fields for every fish					Field fish data ²			Fish Transfer				Lab Analysis: Biological Assessment						
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net / handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
BLO36A 10:15 11°C	ARCH 01	25	123	50	-	-	-	N		Y								
	LKTR 02	38	474	1100	-	-	-	N		Y	77055							
BLO36B 11°C 14:00	LKTR 01	51	225	150	-	-	-	N		Y								
BLO36C 16:15 11°C	LKTR 01	25	131	75	-	-	-	N		Y								
	ARCH 02	38	229	150	-	F12	-	Y	Net	N		OF 7.39	-	-	1.52	Y	Y	stomach cysts *
	ARCH 03	51	244	200	-	-	-	N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sucklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan / 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue sample should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO37		Number of panels by mesh size (for GNs)		Net Length (m): 150
Start location	End of Net (in NAD 83)	F 25' ✓ 38' ✓ 51' ✓ 75' ✓ 102' ✓ 125' ✓ 5		Net Height (m), All are 2m
Easting: 1460638656	1460638539	Set date: Aug 15th	Net depth at each end (m): 3.8/4.8	
Northing: 7212102	7212486	Set time: 8:30	Surface temp: 15°C	
Recorder: Dave		Lift date: Aug 15th, 2010	Wind direction / speed: 30 km/h North	
Field Staff: Garth, Ricardo		Lift time: 16:35	General comments	

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B. Fish sample data

These fields for every fish					Field Res data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death, (Net handling / transfer)	Successfully transferred to TPL ⁵	Aging Structure ⁴	Stomach weight (or % full) & contents indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁶	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
BLO37A	BLO37A	Ø	Catch															
11 ^h 10:30																		
BLO37B	LKTR 01	51	249	200	—	—	—	N		Y								
14:15	LKTR 02	76	465	850	—	—	—	N		Y								
11 ^h	ARKR 03	76	809	150	—	—	—	N		Y								
	LKTR 04	76	262	200	—	—	—	N		Y								
	RNVH 05	76	226	150	—	—	—	N		Y								
	LKTR 06	76	188	100	—	—	—	N		Y								
	LKTR 07	102	196	150	—	—	—	N		Y								
BLO37C	BLO37C	Ø	Catch															
16:35																		
11 ^h																		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID: BLO 38		Number of panels by mesh size (for GNs):		Net Length (m): 150 m	
Start location	End of Net (in NAD 83)	E 25' ✓ 38' ✓ 51' ✓ 76' ✓ 102' ✓ 126' ✓ JS		Net Height (m): All are 2m	
Easting: 1410638671	14W0638705	Set date: 15 August 2010		Net depth at each end (m): 5.4 / 1.7	
Northing: 7213112	7212987	Set time: 0835		Surface temp: 11.5	
Recorder: Jesse Bell		Lift date: 15 August 2010		Wind direction / speed: 30 KM/H NW	
Field Staff: Jesse B., Derek M., Joe P.		Lift time: 1745		General comments:	
B. Fish sample data					

B. Fish sample data

These fields for every fish					Field Fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁵	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	001	38	206	150	-	-	-	N		Y								
BLOB	38 B	CATCH																
ARCH	001	76	252	200	-	-	-	N		Y								
LKTR	001	25	127	25	-	-	-	N		Y								
RNLH	002	38	206	100	-	-	-	N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. For most fish, 4 mm is the smallest mesh size. 5. Some stomachs to be processed in field; some fish are sticklebacks.

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gas sorption data

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Location / ID		BL040		Number of panels by main size (for GNs)		Net Length (m): 150	
Start location		End of Net (in NAD 83)		5 25✓ 30✓ 51✓ 76✓ 102✓ 126✓ E		Net Height (m): All are 2m	
Easting:		14W 0638504		14W 0638443		Net depth at each end (m): 8, 3	
Northing:		7212316		7212262		Surface temp: 11.5°C	
Recorder:		Jesse Bell		Lift date: 15 August 2010		Wind direction / speed: 30 km/h NW	
Field Staff:		Jesse B., Derek M., Joe P.		Lift time: 11:10		General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID: BL041		Number of panels by mesh size (for GNS): 5: 25 ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ E		Net Length (m): 150
Start location	End of Net (in NAD 83)			Net Height (m): All are 2m
Easting: 14W 0638743	14W 0638739	Set date: 15 August 2010		Net depth at each end (m): 7.1-5
Northing: 7213031	7212919	Set time: 1120		Surface temp: 11°C
Recorder: Jesse Bell	Lift date: 15 August 2010		Wind direction / speed: 30-40 KMH: N	
Field Staff: Jesse B., Derek M., Joep.	Lift time: 1745		General comments:	

[illegible]

Notes. 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL042		Number of panels by mesh size (for GNA):		Net Length (m): 150	
Start location		5 25: ☒ 38: ☒ 51: ☒ 78: ☒ 102: ☒ 125: ☒ VE		Net Height (m): All are 2m	
End of Net (in NAD 83)		Set date: 16 August 2010		Net depth at each end (m): 2.5.7	
Easting: 14W 0639090		Set time: 0755		Surface temp: 11°C	
Northing: 7213047		Lift date: 16 August 2010		Wind direction / speed: 25 km/h N	
Recorder: Jesse Bell		Lift time: 1526		General comments.	
Field Staff: Jesse B., Derek M., Joe P.,					

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
BL042A 0953 10.53	RNWH	001	76	378	650	-	-	-	N		Y	56996						
	RNWH	002	38	346	550	-	-	-	N		Y	56997						
BL042B 1245 10.54	RNWH	001	76	419	750	-	-	-	N		Y	65349						
BL042C 1500 10.55	LKTR	001	38	472	1100	-	-	-	N		Y	65347						
	RNWH	002	38	332	475	-	-	-	N		Y	65346						

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

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Location / ID: BL043		Number of panels by mesh size (for GNS): E 25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒ 150		Net Length (m): 150
Start location: 14W 0638819		End of Net (in NAD 83): 14W 0638892		Net Height (m): All are 2m
Easting: 14W 0638819	Northing: 7212873	Set date: 15 August 2010	Set time: 0805	Net depth at each end (m): 6.7 2.1
Recorder: Jesse Bell		Lift date: 15 August 2010		Surface temp: 11°C
Field Staff: Jesse B., Derek M., Joer.		Lift time: 1530		Wind direction / speed: 25 km/h N
General comments:				

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
BL043A 1005 1058	ARCH 001	25	127	25	—	—	—	N		Y								
	RNWH 002	25	137	25	—	—	—	N		Y								
	RNWH 003	38	186	75	—	—	—	N		Y								
	CKTR 004	38	165	50	—	—	—	N		Y								
	LKTR 005	38	177	75	—	—	—	N		Y								
	RNWH 006	76	366	550	—	—	—	N		Y	56999							
	LKTR 007	76	184	75	—	—	—	N		Y								
BL043B 1300 1058	ARCH 001	38	160	50	—	—	—	N		Y								
	RNWH 002	76	375	650	—	—	—	N		Y	65350							
BL043C 1530 1058	ARCH 001	25	118	25	—	—	—	N		Y								
	ARCH 002	25	118	25	—	—	—	N		Y								
	ARCH 003	25	129	25	—	—	—	N		Y								
	CKTR 004	25	141	50	—	—	—	N		Y								
	ARCH 005	25	127	25	—	—	—	N		Y								
	RNWH 006	25	138	50	—	—	—	N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO44		Number of panels by mesh size (for GNE)		Net Length (m): 150
Start location	End of Net (in NAD 83)	E 25' ✓ 38' ✓ 51' ✓ 76' ✓ 102' ✓ 126' ✓ 5		Net Height (m): All are 2m
Easting: 14W0638737	14W0638865	Set date: 16 August 2010		Net depth at each end (m): 1.5 / 2.7
Nothing: 7213435	7213371	Set time: 0820		Surface temp: 11°C
Recorder: Jesse Bell		Lift date: 16 August 2010		Wind direction / speed: 25 KM/H N
Field Staff: Jesse B., Derek M., JDEP.		Lift time: 1550		General comments

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicates if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
BLO44A 1025 10.58	LKTR 001	38	173	75	-	-	-	N		Y								
	LKTR 002	76	313	350	-	-	-	N		Y	56998							
BLO44A 1320 10.58	ARCH 001	25	120	25	-	-	-	N		Y								
	ARCH 002	25	131	25	-	IMM	-	N	Net	N		OF 095	-	-	007	Y	Y	
	ARCH 003	25	119	25	-	-	-	N		Y								
	RNWH 004	38	344	500	-	-	-	N		Y	65348							
	LKTR 005	76	262	225	-	-	-	N		Y								
BLO44C 1550 10.58	BLO44 C	No Catch																

pres. stom.

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

NO LKTR (200 → 299)
NO RNWH (300 → 399)

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Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID:	BLO45		Number of panels by mesh size (for GNs):	25: ✓ 39: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ 5		Net Length (m):	150 m
Start location:	14W0638803	End of Net (in NAD 83):	14W0638896	Set date:	17 August 2010	Net Height (m). All are 2m	
Netting:	7213418	7213303	Set time:	0910	Net depth at each end (m):	3.6 / 1.5 m	
Recorder:	Jesse Bell		Lift date:	19 August 2010	Surface temp:	9.5°C	
Field Staff:	Jesse B., Derek M., Joe P.		Lift time:	0908	Wind direction / speed:	20-30 km/h NW	
General comments:					From this point on we will no longer be trying to transfer the fish in order to fill our meristics quota. Sets will be longer than 2 hrs!		

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicates if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N				
BL045A	0 catch																				
LKTR	001	25	152	50	~	-	-	X	Net	N		0.135g	-	-	0.42	Y	Y				
RNWH	002	51	303	300	M?	-	7	Y	Net	N		0.6g	-	-	2.75	Y	Y				
ARCH	001	51mm	256	195	-	M6	-	Y	Net												
LKTR	002	51	352	475	-	F5	-	Y	Killed	N		0.135g	-	-	3.73	Y	Y	cysts on stomach			
BURB	003	51	311(n)	175	-	F2	-	Y	Killed	N											
RNWH	004	51	360	550	-	F2	-	Y	Net	N											
RNWH	005	51	340	475	-	F2	-	Y	Net	N											
RNWH	006	38	295	300	-	M7	-	Y	Net	N		0.135g	-	-	2.75	Y	Y				
RNWH	007	38	185	75	-	M6	-	Y	Killed	N		0.135g	-	-	0.53	Y	Y				
ARCH	008	38	203	100	-	M6	-	Y	Net	N											
ARCH	009	38	185	95	-	M6	-	Y	Net	N											
ARCH	010	25	130	40	-	-	-	Y	Kill	N											
RNWH	011	25	127	25	-	-	-	Y	Kill	N											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milkline" for most fish. 4. Tagging sticklebacks. 5. Some stomachs to be preserved for taxonomy. 6. Some stomachs to be preserved for taxonomy.

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data		Location / ID: BLO46		Number of panels by mesh size (for GNE): E 25: ☒ 50: ☒ 75: ☒ 102: ☒ 125: ☒		Net Length (m): 150	
Start location: 14W0638916		End of Net (in NAD 83): 14W0638943		Set date: 17 August 2010		Net Height (m): All are 2m	
Easting: 7213265		Northing: 7213127		Set time: 0926		Net depth at each end (m): 1.6 to 3	
Receiver: Jesse Bell		Lift date: 19 August 2010		Lift time: 0953		Surface temp: 9.5°C	
Field Staff: Jesse B., Derek M., Joe P.		General comments:		Wind direction / speed: 20-30 km NW			

B. Fish sample data					Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)							
These fields for every fish:					Field fish data ³			Fish Transfer														
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL ²	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs			Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N				
RNWH	001	25	136	50	—	—	—	N		Y												
LKTR	001	25	156	50	—	M6	—	Y	Net	N		0,F	1.64	—	—	0.44	Y	Y	cysts on stomach			
LKTR	002	25	136	25	—	M6	—	Y	Net	N		0,F	1.56	—	—	0.28	Y	Y	cysts on stomach			
ARCH	003	25	127	25	—	M6	—	Y	Net	N		0,F	0.93	—	—	0.31	Y	Y				
ARCH	004	25	137	25	—	F1	—	Y	Net	N		0,F	1.24	—	—	0.47	Y	Y				
ARCH	005	38	193	75	—	M6	—	Y	Net	N		0,F	3.18	—	—	0.85	Y	Y				
LKTR	006	38	205	75	—	M6	—	Y	Net	N		0,F	3.39	—	—	0.59	Y	Y	cysts on stomach			
RNWH	007	51	231	125	—	—	—	Y	Net	N		0,F	3.95	—	—	1.21	Y	Y	cysts on stom			
RNWH	008	76	396	700	—	M7	—	Y	Net	N		0,F	14.49	—	—	6.64	Y	Y				
RNWH	001	38	312	325	—	—	—	N		Y	58172											
LKTR	002	38	184	75	—	—	—	Y	Killed	N												
ARCH	003	38	184	75	—	*F1	—	Y	Killed	N												
RNWH	004	51	237	140	—	IMM	—	Y	Net	N												
BURB	005	51	293(4)	150	—	—	—	Y	Killed	N												
RNWH	006	76	390	675	—	M7	—	Y	Net	N												
LKTR	007	25	474	1260	—	—	—	Y	Net	N		0,F	99.72	—	—	11.40	Y	Y	Cysts on Stomach			
ARCH	008	25	137	50	—	imm	—	Y	Net	N												
ARCH	009	25	151	50	—	M7	—	Y	Killed	N												

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear ant data

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B. Fish sample data

BLOTTA

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL048		Number of panels by mesh size (for GNC)		Net Length (m): 150
Start location	End of Net (in NAD 83)	5 25 38 51 76 102 128	Set date: 17 August 2010	Net Height (m): All are 2m
Easting: 14W 0638233	14W 0638335	Set time: 1340	Net depth at each end (m): 1.5 5.9	Surface temp: 9.5°C
Northing: 7213095	7213010	LR date: 19 August 2010	Wind direction / speed: 30-40 Km/H N	
Recorder: Jesse Bell		Lift time: 1050	General comments	
Field Staff: Jesse B., Derek M., Joe P.				

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Not handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Tag #	Code(s)					Y/N	Y/N				
RNWH	01	76	311	300																	
LKTR	02	38	282	150				N		65345											
ARCH	03	38	210	125				N													
								N													
LKTR	04	126	186	75		imm		Y	meristics	N		FO	2.76	-	-	.56	Y	Y			
RNWH	05	76	338	425		M7		Y	meristics	N		FO	11.5	-	-	2.05	Y	Y			
RNWH	06	76	385	700		M7		Y	Net	N	*	O	15.0	-	-	5.0	Y	Y			
RNWH	07	38	326	425				Y	Net	N		FO	11.5	-	-	.5	Y	Y			
RNWH	08	38	229	125	-	F1	-	Y	meristics	N		FO	2.6	-	-	.73	Y	Y			
ARCH	09	38	268	200	-	F1	-	Y	Net	N		FO	5.07	-	-	1.80	Y	Y			
LKTR	10	38	170	50				Y		N								only 1 fish			
LKTR	11	38	189	75				Y		N											
LKTR	12	38	186	75				Y		N											
ARCH	13	38	200	100	-	F1	-	Y	meristics	N		FO	2.17	-	-	.80	Y	Y			
ARCH	14	38	188	100	-	M6	-	Y	Net	N		FO	2.22	-	-	.69	Y	Y			
ARCH	15	38	177	75		M6		Y		N		FO	3.00	-	-	.85	Y	Y			
ARCH	16	38	185	75		M6		Y	Net	N		FO	1.28	-	-	.51	Y	Y			
LKTR	17	38	218	100				Y		N											
ARCH	18	38	190	75				Y		N											
ARCH	19	38	220	125	-	M6	-	Y	meristics	N		FO	2.25	-	-	.82	Y	Y			
ARCH	20	38	181	75				Y		N											
ARCH	21	38	187	75				Y		N											
LKTR	22	38	187	75				Y		N											
ARCH	23	38	162	50				Y		N											
ARCH	24	38	148	50				Y		N											
ARCH	25	25	129	25				Y		N											
LKTR	26	25	146	50				Y		N											

1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or alewives. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "maturity" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL048**

Start location: **0638233** End of Net (in NAD 83): **0638335**

Eastings: **7213095** Northings: **7213010**

Recorder: **Jesse Bell**

Field Staff: **Jesse, Derek, Joe**

Number of panels by mesh size (for gills):
25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒

Set date: ☐ Set time: ☐ Lift date: ☐ Lift time: ☐

Net Length (m): Net Height (m): All are 2m
Net depth at each end (m): Surface temp:
Wind direction / speed:

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ¹			Fish Transfer				Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Not handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
LKTR	27	51	324	350	-	M7	-	Y	metastasis	N	-	OF	6.42	-	-	1.77	Y	Y		
ARCH	28	51	248	175	-	M7	-	Y	metastasis	N	-	OF	3.35	-	-	1.27	Y	Y		
ARCH	29	51	332	350	-	M7	-	Y	met	N	-	OF	9.19	-	-	3.06	Y	Y		
LKTR	30	51	311	300	-	M7	-	Y	ret	N	-	OF	5.6	-	-	1.56	Y	Y		
				</																

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "mating" for most fish. 4. otoliths and fins for LT and AG; otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO50**

Start location: **14W0638336** End of Net (in NAD 83): **14W0638399**

Easting: **7212974** Northing: **7212843**

Recorder: **Jesse Bell**

Field Staff: **Jesse B., Derek M., Joe P.**

Number of panels by mesh size (for GNS):
 25 ☒ 38 ☒ 51 ☒ 76 ☒ 102 ☒ 126 ☒

Set date: **17 August 2010**

Set time: **1405**

Lift date: **19 August 2010**

Lift time: **0940**

Net Length (m): **150 m**

Net Height (m): All are 2m

Net depth at each end (m): **6.1, 6.2**

Surface temp: **9.5°C**

Wind direction / speed: **30-40 km/h N**

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ¹			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (for % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	25	113	25		~~MM~~		Y		N								
ARCH	02	25	125	25		~~MM~~		Y		N								
ARCH	03	25	120	25		~~MM~~		Y		N								
BuFB	04	38	201	50				Y		N								
LKTR	05	38	170	50				Y		N								
RNWH	06	38	177	75	-	-	-	Y		N		O.F	3.07	-	-	0.61	Y	Y
ARCH	07	38	190	100				Y		N								
ARCH	08	38	178	75				Y		N								
RNWH	09	51	232	150	-	M6	-	Y		N		O.F	4.61	-	-	1.11	Y	Y
LKTR	10	51	180	75				Y		N								
LKTR	11	51	200	100				Y		N								
BuFB	12	51	259	150				Y		N								
RNWH	13	76	386	600		MT		Y		N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan, 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set date

Location / ID: **B1 051**

Start location: **14W 0635771** End of Net (in NAD 83): **14W 063 8823** Number of panels by mesh size (for GNA): **E 25: V 38: V 51: V 76: V 102: V 128: V S**

Eastings: **1212908** Northings: **7212771** Set date: **17 August 2010** Set time: **1510**

Recorder: **Jesse Bell** Lift date: **Aug. 19/2010** Lift time: **10:32am**

Field Staff: **Jesse B. Derek M., Joe P.**

Net Length (m): **150** Net Height (m): All are 2m Net depth at each end (m): **7.5** Surface temp: **9.5°C** Wind direction / speed: **30-40 km/h N**

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of external / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL ⁴	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁵	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N
LKTR	001	51mm	243	100	-			N		Y	58171							
BURB	002	25	155	40	-	M6	-	Y	Net	N								
RNWH	003	25	136	70	-	M6	-	Y	Net	N								
RNWH	004	25	164	50	-		-	Y	Net	N		0.6	0.69	-	-	0.8	Y	Y
LKTR	005	25	122	25	-	M7	-	Y	Net	N		0.6	0.86	-	-	.31	Y	Y
RNWH	006	25	142	40	-	M7	-	Y	Killed	N					0.11			
LKTR	007	38	179	60	-	M6	-	Y	Killed	N		0.6	0.71	-	-		Y	Y
ARCH	008	38	170	50	-	M6	-	Y	Net	N								
ARCH	009	38	180	60	-	M7	-	Y	Net	N								
ARCH	010	38	205	90	-	M6	-	Y	Net	N								
ARCH	011	38	159	45	-	F1	-	Y	Net	N								
ARCH	012	38	202	75	-	M6	-	Y	Killed	N								
BURB	013	38	210	60	-	F1	-	Y	Killed	N								
RNWH	014	38	305	300	-	F5	-	Y	Net	N								
LKTR	015	51	303	270	-	F1	-	Y	Net	N								
RNWH	016	51	290	275	-	F1	-	Y	Killed	N		10.6	10.54	-	-	1.54	Y	Y
ARCH	017	51	212	125	-	M6	-	Y	Killed	N		10.6	6.49	387	0.26	2.15	Y	Y
ARCH	018	51	230	150	-	F1	-	Y	Killed	N								
ARCH	019	51	208	125	-	M6	-	Y	Killed	N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. ooloths and fine for LT and AC, ooloths only for burbot and white sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data		Number of panels by mesh size (for GNS)		Net Length (m): 150
Location / ID	BL052	E 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ S		Net Height (m): All are 2m
Start location	14W0638571	End of Net (in NAD 83)	14W0638695	Net depth at each end (m): 25, 6
Easting	721 2684	Set date	17 August 2010	Surface temp: 9.5°C
Northing	721 2614	Set time	1520	Wind direction / speed: 30-40 km/H N
Recorder	JESSE Bell	Lift date	Aug 19 / 2010	General comments:
Field Staff	JESSE B., DEREK M., JOE P.	Lift time	011:30 am	

B. Fish sample data					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
These fields for every fish					Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample?	Tissue metals sample?	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)														
		(mm)	(mm)	(g)	MF													
RNWH	001	76mm	382	560	-	M7	-	Y	Throat	N	58174							
RNWH	002	76mm	338	400	-		-	N	Throat	Y	58175							
RNWH	003	76mm	399	700	-		-	Y	Throat	N	58170							
LKTR	004	76	229	125	-	F1	-	Y	Net	N								
LKTR	005	76	137	30	-	Imm	-	Y	Net	N								
RNWH	006	38	222	100	-	F1	-	Y	Killed	N		0.6	2.67		0.77	Y	Y	
LKTR	007	38	185	68	-	M6	-	Y	Killed	N								
ARCH	008	38	174	57	-	F1	-	Y	Killed	N								
BURB	009	38	231(TL)	73	-	M7	-	Y	Net	N								
BURB	010	38	212(TL)	65	-	F2	-	Y	Net	N								
RNWH	011	25	146	25		Imm		Y	Killed	N		0.6	0.79		0.41	Y	Y	
RNWH	012	25	131	19		Imm		Y	Killed	N		0.6	0.71		0.08	Y	Y	
BURB	013	25	139	16				Y	Killed	N								
BURB	014	25	144	18		Imm		Y	Net	N		0.6	2.37		0.30	Y	Y	
LKTR	015	25	151	41		Imm		Y	Net	N								
LKTR	016	25	105	14		Imm		Y	Net	N		0.6	1.49		0.33	Y	Y	
ARCH	017	25	135	26		Imm		Y	Killed	N								
ARCH	018	51	236	144	-	F1	-	Y	Killed	N								
ARCH	019	51	235	129	-	M6	-	Y	Killed	N								
ARCH	020	51	252	168	-	M6	-	Y	Net	N								
ARCH	021	51	205	98	-	M6	-	Y	Net	N								
LKTR	022	51	171	52	-	F1	-	Y	Killed	N								
LKTR	023	102	468	1100		F2		Y	Killed	N		0.6	30.47	8.25	0.71	Y	Y	
LKTR	024	126	393	650		M11		Y	Killed	N		0.6	22.41		6.01	Y	Y	
LKTR	025	126	324	350		F12		Y	Killed	N		0.6	12.64		3.04	Y	Y	

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL053		Number of panels by mesh size (for GNE):		Net Length (m): 120	
Start location:	End of Net (in NAD 83):	E 25 ✓ 38 ✓ 51 ✓ 75 ✓ 102 ✓ 126 ✓ 15		Net Height (m): All are 2m	
Easting: 14W 0638460	14W 0638359	Set date: 19 August 2010		Net depth at each end (m): 1.9, 12.8	
Northing: 7212755	7212684	Set time: 0935		Surface temp: -8.5°C	
Recorder: Jesse Bell		Lift date: 20 August 2010		Wind direction / speed: 10-15 KM/H N	
Field Staff: Joe P. Garth T.		Lift time: 0835		General comments:	

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Not handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁵	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LBTR	001	102	178	50				N		V								
BURB	02	76	420	475	-	M7	-	Y	SCIENCE	N								
BURB	03	51	260	119	-	P2	-	Y		N								
BURB	04	38	146	18	-	M6	-	Y		N								
BURB	05	38	143	19	-	F1	-	Y		N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "filling" for most fish. 4. otoliths and fins for LBTR and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear out date

Location / ID: **BLO54**

Start location: **14W0638327** End of Net (in NAD 83): **14W0638462**

Casting: **7212957** Netting: **7212873**

Recorder: **Jesse Bell**

Field Staff: **Joe P. Garth T.**

Number of panels by mesh size (in GNE):
 5: 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ E

Set date: **19 August 2010**

Set time: **0950**

Lift date: **20 August 2010**

Lift time: **0905**

Net Length (m): **120 m**

Net Height (m): All are 2m

Net depth at each end (m): **0.5 1.9**

Surface temp: **8.5°C**

Wind direction / speed: **10-15 km/h N**

General comments:

B. Fish sample data					Lab Analysis: Biological Assessment												Comments (including results of internal / external examinations including DELT)		
These fields for every fish					Field fish data ³			Fish Transfer			Stomach weight (or % full) & contents - indicate if preserved for taxonomy								
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
RNWH	01	102	380	1750	-	M7	-	Y	Net	N									
RNWH	02	76	353	1625	-	M7	-	Y	Net	N									
RNWH	03	76	318	1400	-	-	-	N		Y	65344								
LKTR	04	51	236	150	-	-	-	N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL055**

Start location: **14W 0638486** End of Net (in NAD 83): **14W 0638353**

Easting: **7213025** Northing: **7213043**

Recorder: **JPSS Bell**

Field Staff: **Joe P. Garth T.**

Number of panels by mesh size (log GNA): **E 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ 5**

Set date: **19 August 2010**

Set time: **1030**

Lift date: **20 August 2010**

Lift time: **0920**

Net Length (m): **120**

Net Height (m): All are 2m

Net depth at each end (m): **4.5 2.2**

Surface temp: **8.5°C**

Wind direction / speed: **10-15 km/H N**

General comments:

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SH
Q.M.C.

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of external / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
RNWH	01	51	232	150				N		Y									
ARCH	02	51	248	125		F1		N	Net	N									
LKTR	03	51	321	350	-	M9	-	N	Science	N									
RNWH	04	51	328	350				N		Y	65342	O,F	15.38	-	-	208	Y	Y	
RNWH	05	51	278	200				N		Y									
ARCH	06	38	231	100				N		Y									
RNWH	07	38	205	75				N		Y									
ARCH	08	38	206	75	-	M6	-	N	Transfer	N									
LKTR	09	38	536	1600	-	~~F1~~	-	N	Science	N		O,F	18.6.6	-	-	1842	Y	Y	
RNWH	10	25	121	25				N		Y								cysts on stomach	
ARCH	11	25	152	25				N		Y									
LKTR	12	25	142	25	-	M6	-	N	Net	N									
RNWH	13	25	147	25	-	M6	-	N	Net	N									
														</					

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

to change for F1 → must be F5
SH.

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

PG - 1052

Location / ID: BLO56		Number of panels by mesh size (for GNEs): 5: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒		Net Length (m): 120
Start location	End of Net (in NAD 83)	Set date: 19 August 2010	Net height (m): All are 2m	
Easting: 14W0638237	14W0638300	Set time: 1115	Net depth at each end (m): 1.6 4.8	
Northing: 7213087	7212967	Lift date: 20 August 2010	Surface temp: 8.5°C	
Recorder: Jesse Bell	Lift time: 1730	Wind direction / speed: 10-15 km/h N		
Field Staff: Joe P. Garth	General comments:			

B. Fish sample data					Lab Analysis: Biological Assessment																
These fields for every fish					Field fish data ²			Fish Transfer													Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶				
																		Code(s)	Tag #	Code(s)	
RNWH	01	102	390	100	—	—	—	N		Y	65341										
ARCH	02	76	142	50	—	—	—	N		Y											
RNWH	03	76	385	700	—	—	—	N		Y	65343										
LKTR	04	76	444	925	—	M9	—	Y	Sciencen	N		0, F	52.66	—	—	6.97	Y	Y	Cysts on stomach		
RNWH	05	51	368	550	—	—	—	N		Y											
ARCH	06	38	254	150	—	—	—	N		Y											
ARCH	07	38	255	175	—	F1	—	Y	Net	N											
ARCH	08	38	269	200	—	F1	—	Y	Transfer	N											
ARCH	09	38	195	75	—	—	—	N		Y											
LKTR	10	38	172	50	—	—	—	Y	Net	N											
LKTR	11	38	165	50	—	M6	—	Y	Net	N											
ARCH	12	38	256	125	—	F1	—	Y	Net	N											
ARCH	13	38	212	225	—	F1	—	Y	Net	N											
ARCH	14	38	184	59	—	F1	—	Y	Net	N											
RNWH	15	38	191	75	—	imm	—	Y	Net	N											
ARCH	16	38	192	100	—	—	—	N		Y											
RNWH	17	38	215	100	—	F1	—	Y	Transfer	N		0	2.6	—	—	110	Y	Y	←		
ARCH	18	25	125	25	—	—	—	N		Y											
ARCH	19	25	126	25	—	—	—	N		Y											
ARCH	20	25	150	50	—	—	—	N		Y											
ARCH	21	25	125	25	—	—	—	N		Y											
RNWH	22	25	128	25	—	imm	—	Y	Transfer	N											
LKTR	23	25	109	25	—	—	—	N		Y											
ARCH	24	25	111	25	—	—	—	N		Y											
ARCH	25	25	227	150	—	M6	—	Y	Net	N											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

LKTR	26	25	123	25				Y	Net	N									
ARCH	27	25	119	25				Y	Net	N									
ARCH	28	25	128	25				Y	Net	N									
LKTR	29	25	127	25				Y	Net	N									

rewritten

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Location / ID: BL-056		Number of panels by mesh size (for GNA):		Net Length (m).	
Start location	End of Net (in NAD 83)	25	36	51	76
Easting: 14W 0638 237	0638 300	102	126	Net Height (m): All are 2m	
Northing: 7213087	7212967	Set date		Net depth at each end (m) /	
Recorder: Jesse		Set time		Surface temp.	
Field Staff:		Lift date		Wind direction / speed	
		Lift time		General comments	
B. Fish sample data					

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be added as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

A. Gear set data			Number of panels by mesh size (for GNO):		Net Length (m):
Location / ID	BLOS8		E 25: 38: 51: 76: 102: 128: 15		150 yrd.
Start location	End of Net (in NAD 83)	Set date:	Aug 17/10		Net Height (m): All are 2m
Easting	14w 0638410	0638543	Set time:		Net depth at each end (m): 8.0m / 5.1m
Northing	7212274	7212223	13:01		Surface temp: 8.0°C
Recorder	VHm		Lift date:		Wind direction / speed: NNW ~ 5 km
Field Staff	VM, RG	Wpt. BLOS8A Wpt. BLOS8B	Lift time:		
			General comments		

[illegible]

*Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "marking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

A. Gear set data

A. Observer: <u>DET/DAVE</u>			
Location / ID		BLOS99	
Start location	End of Net (in NAD 83)	Number of panels by mesh size (for GNA's)	Net Length (m)
Easting: 14 N 0638619	0638485	E 25 ✓ 38 ✓ 51 ✓ 78 ✓ 102 ✓ 128 ✓ 3	150 yrd.
Northing: 7212158	7212203	Set date: Aug 19/10	Net Height (m): All are 2m
Recorder: YM		Set time: 13:15	Net depth at each end (m): 3.4m / 5.8m
Field Staff: YM, R/L	BLOS9A	Lift date: Aug 20/2010	Surface temp: 8.0°C
	BLOS9B	Lift time: 14:50	Wind direction / speed: NNW ~ 2k
B. Fish sample data		General comments:	

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁵		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BURB	01	25	157	50	-	F1	-	Y	net	N									
ARCH	02	25	112	25	-			N		Y									
BURB	03	38	208	125	-	F2	-	Y	net	N									
ARCH	04	38	166	100	-			N		Y									
RNLH	05	38	175	75	-	F1	-	Y	net	N		0.29	-	-	0.64	Y			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data			Number of panels by mesh size (for GHA)		Net Length (m)	
Location / ID			E 25. ✓ 38 ✓ 51. ✓ 78 ✓ 102. ✓ 126. ✓ 150 ✓		150 m	
Start location			End of Net (in NAD 83)		Net Height (m) All are 2m	
14w 06386600			0638515		Net depth at each end (m): 3.7m / 6.2m	
Easting			Set date: Aug 19/10		Surface temp. 20C	
7212253			Set time: 13:25		Wind direction / speed NW ~ 3 km	
Northing			Lift date: 20 August 2010			
7212243			Lift time: 1500			
Recorder: Jm			General comments:			
Field Staff: Jm, Ren, Jpt. BLO60A, Jpt. BLO60B						

2014/9/18

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see p. 67. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

Location / ID		BL 061		Number of panels by mesh size (for GNs)		Net Length (m)	
Start location		End of Net (in NAD 83)		5 25 ✓ 38 ✓ 51 ✓ 75 ✓ 102 ✓ 126 ✓ E		Net Height (m) All are 2m	
Easting		14W 0638352		Set date		20 August 2010	
Nothing		7212872		Set time		0850	
Recorder		Jesse Bell		Lift date		21 August 2010	
Field Staff		Joe P., Ricardo G.		Lift time		0825	
				General comments		Wind direction / speed	
						8.3, 11.2	
						Surface temp. 9°C	
						Wind direction / speed. 0-5 km/h S	

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B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fall out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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A. Gear set data

Location / ID: BL062		Number of panels by mesh size (for GNs): 5: 25 ✓ 38: 51 ✓ 76: 102 ✓ 126: E		Net Length (m):
Start location	End of Net (in NAD 83)	Set date: 20 August 2010	Net Height (m): All are 2m	
Easting: 14W 0638562	14W 0638508	Set time: 0930	Net depth at each end (m): 1.3, 2.2	
Northing: 7213050	7212923	General comments:	Surface temp: 4.0°C	
Recorder: Jesse Ben	Left date: 21 August 2010	Wind direction / speed: 0-5 km/H S		
Field Staff: Joe P. Ricardo G.	Left time: 1045			

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁵	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
* RNWH	01	51	356	500	-	M7	-	Y	Net	N								
ARCH	02	51	204	50				N		Y								
LKTR	03	38	191	75				N		Y								
ARCH	04	38	197	75				N		Y								
ARCH	05	38	199	100				N		Y								
ARCH	06	38	249	150				N		Y								
* ARCH	07	25	135	25	-	M7	-	Y	Net	N								
* LKTR	08	25	151	50	-	F1	-	Y	Net	N								
* BURB	09	25	152	50	-	F1	-	Y	Net	N								
BURB	10	25	131	25	-			N		Y								
* ARCH	11	25	146	25	-	M7	-	Y	Net	N								
* LKTR	12	25	125	25	-	M6	-	Y	Net	N								
* LKTR	13	25	138	25	-	F1	-	Y	Net	N								
* RNWH	14	25	147	80	-	M7	-	Y	Net	N								
* RNWH	15	25	152	50	-	M6	-	Y	Net	N								
* ARCH	16	25	136	25	-	F1	-	Y	Net	N								
ARCH	17	25	116	25				N		Y								
LKTR	18	25	156	50				N		Y								
ARCH	19	25	136	25				N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID:		BL063		Number of panels by mesh size (for GNs):		Net Length (m): 120 m	
Start location		End of Net (in NAD 83)		5 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ E		Net Height (m): All are 2m	
Easting		14W0638685		Set date: 20 August 2010		Net depth at each end (m): 5.2 2.1	
Northing		7212501		Set time: 1400		Surface temp: 9°C	
Recorder:		Jesse Bell		Lift date: 21 August 2010		Wind direction / speed: S-10KM/H S	
Field Staff:		Garth T., Derek M.		Lift time: 0930		General comments:	

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for L7 and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L." Tissue samples should be coded as "fish sample ID" + "T"

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A. Gear set data				
Location / ID	BL064		Number of panels by mesh size (for GNEs)	Net Length (m)
	Start location	End of Net (in NAD 83)	E 25: ✓ 30: ✓ 1: ✓ 102: ✓ 120: ✓ 5	Net Height (m): All are 2m
Easting	140638715	140638756	Set date	Net depth at each end (m): 11.7
Northing	7212511	7212644	Set time	Surface temp
Recorder	Jesse Bell		Lift date	Wind direction / speed
Field Staff	Garth T., Derek M.		Lift time	
			General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LY and AC, otoliths only for burbot and whitefish, none for sculpin or sucklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO65		Number of panels by mesh size (for GNA): S 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ E		Net Length (m):
Start location: 14W 0638419	End of Net (in NAD 83): 14W 0638300	Set date: 21 Aug 2010	Set time: 0835	Net Height (m): All are 2m
Easting: 7212901	Northing: 7212898	Recorder: Jesse Bell	Field Staff: JOE P. Riccardo G.	Net depth at each end (m): 5.4 / 6.8
		Lift date: 28 Aug 2010	Lift time: 0900	Surface temp: 9.5°C
		General comments:		Wind direction / speed: 5-10 KM S

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net / handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - Indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)						
LKTR	01	25	124	25	-	Imm	-	Y	Net	N								
LKTR	02	25	134	50	-	F1	-	Y	Net	N								
BURB	01	76	400	450				N		Y								
BURB	02	76	265	100		F2		Y	Net	N								
RNWH	03	38	370	600		M7		Y	Net	N								
ARCH	04	25	138	25				N		Y								
ARCH	05	25	112	25				N		Y								
LKTR	01	102	497	1150	M9			Y	Meristics	N								
RNWH	02	76	390	775	F2			Y	Net	N								
ARCH	03	25	132	25				N		Y								
ARCH	04	25	120	25				N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data		Number of panels by mesh size (log GNs)		Net Length (m)	
Location / ID: BLO66		5 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓		Net Height (m): All are 2m	
Start location		End of Net (in NAD 83)		Net depth at each end (m): 1.2 1.3	
Easting: 140638544		Set date: 21 August 2010		Surface temp: 9.5°C	
Northing: 7212733		Set time: 0945		Wind direction / speed:	
Recorder: Jesse Bell		Lift date: 23 August 2010			
Field Staff: Ricardo G., Joe P.		Lift time: 0857		General comments:	

B. Fish sample data

Those fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁵		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
RNNH	01	76	396	650				N		✓	65339								
ARCH	02	51	221	100				N		✓									
ARCH	03	28	225	50				N		✓									
ARCH	04	38	214	125	25	F1	-	Y	Net	✓									
ARCH	05	38	186	50				N		✓									
LKTR	06	25	177	245				N		✓									
ARCH	01	51	245	175				N		✓									
ARCH	02	25	125	25				N		✓									
LKTR	01	76	383	600				N		✓	58169								
ARCH	02	76	144	25		F2		Y	not	N									
LKTR	03	76	515	1400		F2		Y	killed	N	58167	0, F	452.0	11.0	0.5	8.0	Y		Stom. pres
RNNH	04	76	330	400		F2		Y	transfer	N	58167	→	Kalico						
RNNH	05	76	330	400				N		✓	58165								
ARCH	06	76	226	100				N		✓									
RNNH	07	76	323	350	0	M7		N		✓	58167								
RNNH	08	76	309	300		F2		N		✓									
ARCH	09	76	255	150				N		✓									
ARCH	10	76	252	150				N		✓									
LKTR	11	76	230	100				N		✓									
ARCH	12	76	225	100				N		✓									
ARCH	13	76	270	200		F1		N		✓									
LKTR	14	76	301	300		F1		N		✓									
ARCH	15	51	211	100				N		✓									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID		BLO66		Number of panels by mesh size (for GNA)		Net Length (m):	
Start location		End of Net (in NAD 83)		S 25 38 51 76 102 126 E		Net Height (m): All are 2m	
Easting:		14W 0638544		0638680		Net depth at each end (m):	
Northing		7212733		7212723		Surface temp	
Recorder:		Jesse Bell		Lift date:		Wind direction / speed:	
Field Staff		Ricardo, Joe		Lift time:		General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

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B. Fish sample data

BL067A
1415
10°C

BLOOM
1730
100

1753
 10°C

Aug 23/10
BLOTTO
0923
1000

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan, 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data

Location / ID: BL068		Number of panels by mesh size (for GNA)				Net Length (m)	
Start location		End of Net (in NAD 83)		5:25 ✓	35: ✓	51: ✓	76: ✓
Eastings: 14W0638275		Northings: 14W0638205		Set date: 21 August 2010		Net Height (m): All are 2m	
Set time: 11:25		Lift date: 21 August 2010		Lift time: 15:20		Net depth at each end (m): 6.1 / 1.6	
Recorder: Jesse Bell		Field Staff: Ricardo G. Lopez		General comments: Not a good set, ReSet in different location.		Surface temp: 7.5°C	
						Wind direction / speed: 5-10 km N	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mash Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
	BL068A		NO	CATCH														

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

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These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N		
ARCH	1	25	164	50		M6			Y	N										
BURB	2	25	135	25X		IMM			Y	N										
BURB	3	25	146	25X		IMM			Y	N										
BURB	4	25	131	50					N	Y										
BURB	5	38	200	50					N	Y										
BURB	6	38	215	100					N	Y										
BURB	1	38	195	50					N	Y										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear net data

Location / ID: B1070		Number of panels by mesh size (for GNe):		Net Length (m)
Start location	End of Net (in NAD 83)	S 25 ✓ 38: ✓ 61 ✓ 78 ✓ 102 ✓ 126 ✓		Net Height (m): All are 2m
Easting 638587	638602	Set date: Aug 22, 2010		Net depth at each end (m): 2.1.9
Northing 7213051	7212920	Set time: 17:10		Surface temp: 10
Recorder: JA	Lift date: Aug 23/10		Wind direction / speed: N = 20 kph.	
Field Staff: DM, JP	Lift time: 0920		General comments	

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N			
LKTR	1	76	240	125		M6		Y	Net										CYSTS		
RNLH	2	76	362	500		F2		Y	Net												
Burb	3	51	252	75		F2		Y	Net												
RNLH	4	51	226	75				N													
ARCH	5	51	215	50				N													
LKTR	6	25	113	25	-	M6	-	Y	Net												
ARCH	7	25	109	25				N													
																</					

Notes. 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL071		Number of panels by mesh size (for GNs)		Net Length (m): 150 yrd
Start location: W4-209	End of Net (in NAD 83): W4-210	25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒	Net Height (m): All are 2m	
Easting: 14W 0636975	14W 0639083	Set date: Aug 22/10	Net depth at each end (m): 5.6m / 2.5m	
Northing: 7212935	7213013	Set time: 1656	Surface temp: 100C	
Recorder: Jhona	Lift date: Aug 23/10	Wind direction / speed: N ~ 15 km/hr		
Field Staff: YM, RG, GT	Lift time: 0818	General comments:		

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
ARCH	01	25	120	40				N		Y									
ARCH	02	25	123	50				N		Y									
ARCH	03	38	207	100				N		Y									
ARCH	04	38	277	225	-	F1	-	Y	net	N									
RNWH	05	51	322	400				N		Y	58164								
LKTR	06	51	212	110				N		Y									
LKTR	07	51	300	300				N		Y									
LKTR	08	51	261	200				N		Y									
RNWH	09	51	353	525	-	M7	-	Y	net	N									
RNWH	10	76	405	825	-	F2	-	Y	net	N		AF	17	51.1	0.7155	195	Y	- - -	

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO72**

Start location wpt. **211** End of Net (in NAD 83) wpt. **212** Number of panels by mesh size (for GNs): **E 25 38 51 75 102 126 15**

Easting **14W 0638749** Northing **7213191** Set date: **Aug 23/10** Set time: **0850** Lift date: **Aug 24/10** Lift time: **0819**

Recorder: **Vlona** Field Staff: **Ym, RG, GT** General comments:

Net Length (m): **150 yrd.** Net Height (m): **All are 2m** Net depth at each end (m): **4.4m / 4.2m** Surface temp: **10°C** Wind direction / speed: **N ~10km/hr**

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
SN. Aug 23/10 BLO72A 1413 11.0°C	RNNH	01	25	142	25	-	M6	-	Y net	N								
BLO72B 0819 10.0°C Aug 24/10	ARCH	01	25	143	75	-	-	N		Y								
	ARCH	02	25	137	50	-	F5	-	Y net.	N								
	ARCH	03	25	121	50	-	-	N		Y								
	ARCH	04	38	197	100	-	-	N		Y								
	LKTR	05	38	200	100	-	M6	-	Y net	N								
	BURB	06	38	236	125	-	-	N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear net data

Location / ID: **BLOT3**

Start location: **wp. 212** End of Net (in NAD 83): **wp. 214**

Easting: **14W 0638653** Northing: **7212023**

Set date: **Aug 23/10** Set time: **0910**

Lift date: **Aug 24/10** Lift time: **0851**

Recorder: **Yham** Field Staff: **Ym RG, AT**

Number of panels by mesh size (for GNS):
 25: ☒ 30: ☒ 35: ☒ 40: ☒ 45: ☒ 50: ☒ 55: ☒ 60: ☒ 65: ☒ 70: ☒ 75: ☒ 80: ☒ 85: ☒ 90: ☒ 95: ☒ 100: ☒ 105: ☒ 110: ☒ 115: ☒ 120: ☒ 125: ☒ 130: ☒ 135: ☒ 140: ☒ 145: ☒ 150: ☒ 155: ☒ 160: ☒ 165: ☒ 170: ☒ 175: ☒ 180: ☒ 185: ☒ 190: ☒ 195: ☒ 200: ☒ 205: ☒ 210: ☒ 215: ☒ 220: ☒ 225: ☒ 230: ☒ 235: ☒ 240: ☒ 245: ☒ 250: ☒ 255: ☒ 260: ☒ 265: ☒ 270: ☒ 275: ☒ 280: ☒ 285: ☒ 290: ☒ 295: ☒ 300: ☒ 305: ☒ 310: ☒ 315: ☒ 320: ☒ 325: ☒ 330: ☒ 335: ☒ 340: ☒ 345: ☒ 350: ☒ 355: ☒ 360: ☒ 365: ☒ 370: ☒ 375: ☒ 380: ☒ 385: ☒ 390: ☒ 395: ☒ 400: ☒ 405: ☒ 410: ☒ 415: ☒ 420: ☒ 425: ☒ 430: ☒ 435: ☒ 440: ☒ 445: ☒ 450: ☒ 455: ☒ 460: ☒ 465: ☒ 470: ☒ 475: ☒ 480: ☒ 485: ☒ 490: ☒ 495: ☒ 500: ☒ 505: ☒ 510: ☒ 515: ☒ 520: ☒ 525: ☒ 530: ☒ 535: ☒ 540: ☒ 545: ☒ 550: ☒ 555: ☒ 560: ☒ 565: ☒ 570: ☒ 575: ☒ 580: ☒ 585: ☒ 590: ☒ 595: ☒ 600: ☒ 605: ☒ 610: ☒ 615: ☒ 620: ☒ 625: ☒ 630: ☒ 635: ☒ 640: ☒ 645: ☒ 650: ☒ 655: ☒ 660: ☒ 665: ☒ 670: ☒ 675: ☒ 680: ☒ 685: ☒ 690: ☒ 695: ☒ 700: ☒ 705: ☒ 710: ☒ 715: ☒ 720: ☒ 725: ☒ 730: ☒ 735: ☒ 740: ☒ 745: ☒ 750: ☒ 755: ☒ 760: ☒ 765: ☒ 770: ☒ 775: ☒ 780: ☒ 785: ☒ 790: ☒ 795: ☒ 800: ☒ 805: ☒ 810: ☒ 815: ☒ 820: ☒ 825: ☒ 830: ☒ 835: ☒ 840: ☒ 845: ☒ 850: ☒ 855: ☒ 860: ☒ 865: ☒ 870: ☒ 875: ☒ 880: ☒ 885: ☒ 890: ☒ 895: ☒ 900: ☒ 905: ☒ 910: ☒ 915: ☒ 920: ☒ 925: ☒ 930: ☒ 935: ☒ 940: ☒ 945: ☒ 950: ☒ 955: ☒ 960: ☒ 965: ☒ 970: ☒ 975: ☒ 980: ☒ 985: ☒ 990: ☒ 995: ☒ 1000: ☒ 1005: ☒ 1010: ☒ 1015: ☒ 1020: ☒ 1025: ☒ 1030: ☒ 1035: ☒ 1040: ☒ 1045: ☒ 1050: ☒ 1055: ☒ 1060: ☒ 1065: ☒ 1070: ☒ 1075: ☒ 1080: ☒ 1085: ☒ 1090: ☒ 1095: ☒ 1100: ☒ 1105: ☒ 1110: ☒ 1115: ☒ 1120: ☒ 1125: ☒ 1130: ☒ 1135: ☒ 1140: ☒ 1145: ☒ 1150: ☒ 1155: ☒ 1160: ☒ 1165: ☒ 1170: ☒ 1175: ☒ 1180: ☒ 1185: ☒ 1190: ☒ 1195: ☒ 1200: ☒ 1205: ☒ 1210: ☒ 1215: ☒ 1220: ☒ 1225: ☒ 1230: ☒ 1235: ☒ 1240: ☒ 1245: ☒ 1250: ☒ 1255: ☒ 1260: ☒ 1265: ☒ 1270: ☒ 1275: ☒ 1280: ☒ 1285: ☒ 1290: ☒ 1295: ☒ 1300: ☒ 1305: ☒ 1310: ☒ 1315: ☒ 1320: ☒ 1325: ☒ 1330: ☒ 1335: ☒ 1340: ☒ 1345: ☒ 1350: ☒ 1355: ☒ 1360: ☒ 1365: ☒ 1370: ☒ 1375: ☒ 1380: ☒ 1385: ☒ 1390: ☒ 1395: ☒ 1400: ☒ 1405: ☒ 1410: ☒ 1415: ☒ 1420: ☒ 1425: ☒ 1430: ☒ 1435: ☒ 1440: ☒ 1445: ☒ 1450: ☒ 1455: ☒ 1460: ☒ 1465: ☒ 1470: ☒ 1475: ☒ 1480: ☒ 1485: ☒ 1490: ☒ 1495: ☒ 1500: ☒ 1505: ☒ 1510: ☒ 1515: ☒ 1520: ☒ 1525: ☒ 1530: ☒ 1535: ☒ 1540: ☒ 1545: ☒ 1550: ☒ 1555: ☒ 1560: ☒ 1565: ☒ 1570: ☒ 1575: ☒ 1580: ☒ 1585: ☒ 1590: ☒ 1595: ☒ 1600: ☒ 1605: ☒ 1610: ☒ 1615: ☒ 1620: ☒ 1625: ☒ 1630: ☒ 1635: ☒ 1640: ☒ 1645: ☒ 1650: ☒ 1655: ☒ 1660: ☒ 1665: ☒ 1670: ☒ 1675: ☒ 1680: ☒ 1685: ☒ 1690: ☒ 1695: ☒ 1700: ☒ 1705: ☒ 1710: ☒ 1715: ☒ 1720: ☒ 1725: ☒ 1730: ☒ 1735: ☒ 1740: ☒ 1745: ☒ 1750: ☒ 1755: ☒ 1760: ☒ 1765: ☒ 1770: ☒ 1775: ☒ 1780: ☒ 1785: ☒ 1790: ☒ 1795: ☒ 1800: ☒ 1805: ☒ 1810: ☒ 1815: ☒ 1820: ☒ 1825: ☒ 1830: ☒ 1835: ☒ 1840: ☒ 1845: ☒ 1850: ☒ 1855: ☒ 1860: ☒ 1865: ☒ 1870: ☒ 1875: ☒ 1880: ☒ 1885: ☒ 1890: ☒ 1895: ☒ 1900: ☒ 1905: ☒ 1910: ☒ 1915: ☒ 1920: ☒ 1925: ☒ 1930: ☒ 1935: ☒ 1940: ☒ 1945: ☒ 1950: ☒ 1955: ☒ 1960: ☒ 1965: ☒ 1970: ☒ 1975: ☒ 1980: ☒ 1985: ☒ 1990: ☒ 1995: ☒ 2000: ☒ 2005: ☒ 2010: ☒ 2015: ☒ 2020: ☒ 2025: ☒ 2030: ☒ 2035: ☒ 2040: ☒ 2045: ☒ 2050: ☒ 2055: ☒ 2060: ☒ 2065: ☒ 2070: ☒ 2075: ☒ 2080: ☒ 2085: ☒ 2090: ☒ 2095: ☒ 2100: ☒ 2105: ☒ 2110: ☒ 2115: ☒ 2120: ☒ 2125: ☒ 2130: ☒ 2135: ☒ 2140: ☒ 2145: ☒ 2150: ☒ 2155: ☒ 2160: ☒ 2165: ☒ 2170: ☒ 2175: ☒ 2180: ☒ 2185: ☒ 2190: ☒ 2195: ☒ 2200: ☒ 2205: ☒ 2210: ☒ 2215: ☒ 2220: ☒ 2225: ☒ 2230: ☒ 2235: ☒ 2240: ☒ 2245: ☒ 2250: ☒ 2255: ☒ 2260: ☒ 2265: ☒ 2270: ☒ 2275: ☒ 2280: ☒ 2285: ☒ 2290: ☒ 2295: ☒ 2300: ☒ 2305: ☒ 2310: ☒ 2315: ☒ 2320: ☒ 2325: ☒ 2330: ☒ 2335: ☒ 2340: ☒ 2345: ☒ 2350: ☒ 2355: ☒ 2360: ☒ 2365: ☒ 2370: ☒ 2375: ☒ 2380: ☒ 2385: ☒ 2390: ☒ 2395: ☒ 2400: ☒ 2405: ☒ 2410: ☒ 2415: ☒ 2420: ☒ 2425: ☒ 2430: ☒ 2435: ☒ 2440: ☒ 2445: ☒ 2450: ☒ 2455: ☒ 2460: ☒ 2465: ☒ 2470: ☒ 2475: ☒ 2480: ☒ 2485: ☒ 2490: ☒ 2495: ☒ 2500: ☒ 2505: ☒ 2510: ☒ 2515: ☒ 2520: ☒ 2525: ☒ 2530: ☒ 2535: ☒ 2540: ☒ 2545: ☒ 2550: ☒ 2555: ☒ 2560: ☒ 2565: ☒ 2570: ☒ 2575: ☒ 2580: ☒ 2585: ☒ 2590: ☒ 2595: ☒ 2600: ☒ 2605: ☒ 2610: ☒ 2615: ☒ 2620: ☒ 2625: ☒ 2630: ☒ 2635: ☒ 2640: ☒ 2645: ☒ 2650: ☒ 2655: ☒ 2660: ☒ 2665: ☒ 2670: ☒ 2675: ☒ 2680: ☒ 2685: ☒ 2690: ☒ 2695: ☒ 2700: ☒ 2705: ☒ 2710: ☒ 2715: ☒ 2720: ☒ 2725: ☒ 2730: ☒ 2735: ☒ 2740: ☒ 2745: ☒ 2750: ☒ 2755: ☒ 2760: ☒ 2765: ☒ 2770: ☒ 2775: ☒ 2780: ☒ 2785: ☒ 2790: ☒ 2795: ☒ 2800: ☒ 2805: ☒ 2810: ☒ 2815: ☒ 2820: ☒ 2825: ☒ 2830: ☒ 2835: ☒ 2840: ☒ 2845: ☒ 2850: ☒ 2855: ☒ 2860: ☒ 2865: ☒ 2870: ☒ 2875: ☒ 2880: ☒ 2885: ☒ 2890: ☒ 2895: ☒ 2900: ☒ 2905: ☒ 2910: ☒ 2915: ☒ 2920: ☒ 2925: ☒ 2930: ☒ 2935: ☒ 2940: ☒ 2945: ☒ 2950: ☒ 2955: ☒ 2960: ☒ 2965: ☒ 2970: ☒ 2975: ☒ 2980: ☒ 2985: ☒ 2990: ☒ 2995: ☒ 3000: ☒ 3005: ☒ 3010: ☒ 3015: ☒ 3020: ☒ 3025: ☒ 3030: ☒ 3035: ☒ 3040: ☒ 3045: ☒ 3050: ☒ 3055: ☒ 3060: ☒ 3065: ☒ 3070: ☒ 3075: ☒ 3080: ☒ 3085: ☒ 3090: ☒ 3095: ☒ 3100: ☒ 3105: ☒ 3110: ☒ 3115: ☒ 3120: ☒ 3125: ☒ 3130: ☒ 3135: ☒ 3140: ☒ 3145: ☒ 3150: ☒ 3155: ☒ 3160: ☒ 3165: ☒ 3170: ☒ 3175: ☒ 3180: ☒ 3185: ☒ 3190: ☒ 3195: ☒ 3200: ☒ 3205: ☒ 3210: ☒ 3215: ☒ 3220: ☒ 3225: ☒ 3230: ☒ 3235: ☒ 3240: ☒ 3245: ☒ 3250: ☒ 3255: ☒ 3260: ☒ 3265: ☒ 3270: ☒ 3275: ☒ 3280: ☒ 3285: ☒ 3290: ☒ 3295: ☒ 3300: ☒ 3305: ☒ 3310: ☒ 3315: ☒ 3320: ☒ 3325: ☒ 3330: ☒ 3335: ☒ 3340: ☒ 3345: ☒ 3350: ☒ 3355: ☒ 3360: ☒ 3365: ☒ 3370: ☒ 3375: ☒ 3380: ☒ 3385: ☒ 3390: ☒ 3395: ☒ 3400: ☒ 3405: ☒ 3410: ☒ 3415: ☒ 3420: ☒ 3425: ☒ 3430: ☒ 3435: ☒ 3440: ☒ 3445: ☒ 3450: ☒ 3455: ☒ 3460: ☒ 3465: ☒ 3470: ☒ 3475: ☒ 3480: ☒ 3485: ☒ 3490: ☒ 3495: ☒ 3500: ☒ 3505: ☒ 3510: ☒ 3515: ☒ 3520: ☒ 3525: ☒ 3530: ☒ 3535: ☒ 3540: ☒ 3545: ☒ 3550: ☒ 3555: ☒ 3560: ☒ 3565: ☒ 3570: ☒ 3575: ☒ 3580: ☒ 3585: ☒ 3590: ☒ 3595: ☒ 3600: ☒ 3605: ☒ 3610: ☒ 3615: ☒ 3620: ☒ 3625: ☒ 3630: ☒ 3635: ☒ 3640: ☒ 3645: ☒ 3650: ☒ 3655: ☒ 3660: ☒ 3665: ☒ 3670: ☒ 3675: ☒ 3680: ☒ 3685: ☒ 3690: ☒ 3695: ☒ 3700: ☒ 3705: ☒ 3710: ☒ 3715: ☒ 3720: ☒ 3725: ☒ 3730: ☒ 3735: ☒ 3740: ☒ 3745: ☒ 3750: ☒ 3755: ☒ 3760: ☒ 3765: ☒ 3770: ☒ 3775: ☒ 3780: ☒ 3785: ☒ 3790: ☒ 3795: ☒ 3800: ☒ 3805: ☒ 3810: ☒ 3815: ☒ 3820: ☒ 3825: ☒ 3830: ☒ 3835: ☒ 3840: ☒ 3845: ☒ 3850: ☒ 3855: ☒ 3860: ☒ 3865: ☒ 3870: ☒ 3875: ☒ 3880: ☒ 3885: ☒ 3890: ☒ 3895: ☒ 3900: ☒ 3905: ☒ 3910: ☒ 3915: ☒ 3920: ☒ 3925: ☒ 3930: ☒ 3935: ☒ 3940: ☒ 3945: ☒ 3950: ☒ 3955: ☒ 3960: ☒ 3965: ☒ 3970: ☒ 3975: ☒ 3980: ☒ 3985: ☒ 3990: ☒ 3995: ☒ 4000: ☒ 4005: ☒ 4010: ☒ 4015: ☒ 4020: ☒ 4025: ☒ 4030: ☒ 4035: ☒ 4040: ☒ 4045: ☒ 4050: ☒ 4055: ☒ 4060: ☒ 4065: ☒ 4070: ☒ 4075: ☒ 4080: ☒ 4085: ☒ 4090: ☒ 4095: ☒ 4100: ☒ 4105: ☒ 4110: ☒ 4115: ☒ 4120: ☒ 4125: ☒ 4130: ☒ 4135: ☒ 4140: ☒ 4145: ☒ 4150: ☒ 4155: ☒ 4160: ☒ 4165: ☒ 4170: ☒ 4175: ☒ 4180: ☒ 4185: ☒ 4190: ☒ 4195: ☒ 4200: ☒ 4205: ☒ 4210: ☒ 4215: ☒ 4220: ☒ 4225: ☒ 4230: ☒ 4235: ☒ 4240: ☒ 4245: ☒ 4250: ☒ 4255: ☒ 4260: ☒ 4265: ☒ 4270: ☒ 4275: ☒ 4280: ☒ 4285: ☒ 4290: ☒ 4295: ☒ 4300: ☒ 4305: ☒ 4310: ☒ 4315: ☒ 4320: ☒ 4325: ☒ 4330: ☒ 4335: ☒ 4340: ☒ 4345: ☒ 4350: ☒ 4355: ☒ 4360: ☒ 4365: ☒ 4370: ☒ 4375:

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO74**

Start location: **wpt. 215** End of Net (in NAD 83): **14W 0638477 14W 0638612**

Easting: **14W 0638477** Northing: **7212466**

Recorder: **Yhona** Field Staff: **Ym, Rm, Gm**

Number of panels by mesh size (for GNS): **S 25 38 51 76 102 126 E**

Set date: **Aug 23/10** Set time: **0937** Lift date: **Aug 24/10** Lift time: **0912**

Net Length (m): **150 yrd** Net Height (m), All are 2m: **5.5m / 5.4m**

Net depth at each end (m): **5.5m / 5.4m** Surface temp: **10°C** Wind direction / speed: **N ~ 10 km**

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL ⁴	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N			
ARCH	01	38	214	100	-	-	-	N		Y											
RNWH	01	51	334	45	-	F2	-	Y	net	N											
ARCH	02	38	166	75	-	-	-	N		Y											
ARCH	03	25	119	25	-	F1	-	Y	net	N											
BURB	04	25	139	25	-	-	-	N		Y											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL-075**

Start location: **14W0638 433** End of Net (in NAD 83): **14W0638 288**

Easting: **7212751** Northing: **7212791**

Recorder: **Jesse Bell**

Field Staff:

Number of panels by mesh size (for GNS):
 25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 128: ☒ 15

Set date: **23 August 2010** Set time: **0850**

Lift date: **24 August 2010** Lift time: **0800**

General comments:

Net Length (m): Net Height (m) All are 2m
 Net depth at each end (m): **6.4 / 4.8**
 Surface temp: **10°C**
 Wind direction / speed:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁶	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BurB	1	38	190	50				N		Y									
BurB	1	38	229	50				N		Y									
BurB	2	25	149	25				N		Y									
BurB	3	25	127	25				N		Y									
Arch	4	25	151	25				N		Y									
BurB	5	25	247	75				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data		Number of panels by mesh size (for GNS):		Net Length (m):	
Location / ID: BLO76		5 25 36 51 76 102 125 E		Net Height (m): All are 2m	
Start location: 14W0638243		End of Net (in NAD 83): 14W0638364		Net depth at each end (m): 1.6 1.6	
Easting: 7212964		Set date: 23 August 2010		Surface temp: 10°C	
Northing: 7212957		Set time: 0915		Wind direction / speed:	
Recorder: Jesse Bell		Lift date: 24 August 2010		General comments:	
Field Staff: Jack P. Derek M.		Lift time: 0825			

B. Fish sample data										Lab Analysis: Biological Assessment										
These fields for every fish					Field fish data ³			Fish Transfer												
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	Comments (including results of internal / external examinations including DELT)		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
LKTR	1	76	295	250				N		Y										
BURB	1	76	403	375				N		Y										
ARCH	2	38	136	25				N		Y										
LKTR	3	38	126	25				N		Y										
LKTR	4	25	134	25				N		Y										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL077**

Start location: **14W 0638444** End of Net (in NAD 83): **14W 0638406**

Eastings: **7213080** Northings: **7212943**

Recorder: **Jesse Bell** Field Staff: **Joe + Derek**

Number of panels by mesh size (for GNs): 5: 25 ✓ 38: 51 ✓ 76: 102 ✓ 128: 1 ✓

Set date: **23 August 2010** Set time: **0935**

Lift date: **25 August 2010** Lift time: **0847**

Net Length (m): Net Height (m): All are 2m

Net depth at each end (m): **1.2 / 5.3**

Surface temp: **10°C** Wind direction / speed: **0-5 km/h NW**

General comments:

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B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL ³	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)						
BL077A 1455 11°C	RNWH 1	76	377	600														
	ARCH 2	25	113	25				N		Y	65338							
	ARCH 3	25	111	25				N		Y								
SH	LKTR 4	25	116	25				N		Y								
	ARCH 5	25	146	50				N		Y								
	LKTR 6	25	154	100				N		Y	14558							
BL077B Aug 24 0847 11°C	RNWH 7	76	331	350				N		Y								Dwarf
	LKTR 8	76	354	400				N		Y								
	RNWH 9	51	333	400		M7		N		Y	48274							
	LKTR 10	51	212	75		F1		Y	Net	N								
SH	RNWH 11	38	295	275		F2		Y	Net	N								
	RNWH 12	38	213	75				Y	Net	N								
	LKTR 13	25	133	25				N		Y								
	ARCH 14	25	128	25				N		Y								
	ARCH 15	25	110	25				N		Y								
	LKTR 16	25	132	25				N		Y								
	ARCH 17	25	158	25		F2		Y	Net	N								Dwarf
						M7		Y	Net	N								Dwarf

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO78**

Start location: **wpt. 218** End of Net (in NAD 83): **wpt. 219** Number of panels by mesh size (for GNA): **E 25: 38: 51: 76: 102: 126: 13**

Easting: **0638891** Northing: **7212637** Set date: **Aug 24/10** Net Length (m): **150 yrd.**

Recorder: **Yhona** Set time: **0844** Net Height (m): All are 2m

Field Staff: **YM, GT, RG** Lift date: **Aug 25/10** Net depth at each end (m): **2.5m / 2.9m**

Lift time: **0805** Surface temp: **10°C**

General comments: Wind direction / speed: **NNE ~ 5km**

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment ⁴								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)							
LKTR	01	38	193	100															
LKTR	02	38	427	700				N		Y									
LKTR	03	38	190	100		F1		Y	killed	N									
RAWH	04	38	117	100		M6		Y	net	N		0.6	21.0	6.0g	5.0	Y	Y	bone in caudal peduncle deformed	
LKTR	05	38	165	75		F1		Y	net	N									
ARCH	06	25	120	25		F1		Y	net	N									
ARCH	07	25	123	30				N		Y									
ARCH	08	25	135	50				N		Y									
ARCH	09	25	119	25				N		Y									
ARCH	10	25	132	50				N		Y									
								N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Am

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID	BL079		Number of panels by mesh size (for GNS)	25 / 38 / 51 / 76 / 102 / 125 / E		Net Length (m)	150 yrd
Start location	Wpt. 280	End of Net (in NAD 83) wpt. 281	Set date	Aug 24/10		Net Height (m). All are 2m	
Easting	14W 0638449	14W 0638876	Set time	0907		Net depth at each end (m)	4.7m / 5.0m
Northing	7213729	7212864	Lift date	Aug 25/10		Surface temp	10°C
Recorder	Jm		Lift time	10853		Wind direction / speed	NNE ~ 5km
Field Staff	Jm, R6, GT		General comments:				

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer		Lab Analysis: Biological Assessment							including DELT?	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure	(or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ³	Tissue metals sample? ⁴	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	25	128	85	-	ML6	-	Y	net	N								
RNWH	02	38	185	75	-	ML6	-	Y	net	N								
LKTR	03	38	217	150	-	F1	-	Y	net	N								
LKTR	04	51	245	150	-	F1	-	Y	transfer	N								
ARCA	05	51	286	200	-			N		I								
LKTR	06	51	272	225	-			N		I								
RNWH	07	76	335	450	-													

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "mating" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL030

Start location: Wpt. 222 End of Net: (in NAD 83) Wpt. 223

Easting: 14W 0638409 Northing: 7212625

Recorder: JM Field Staff: JM, GT, RG

Number of panels by mesh size (for GNe):
 25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒

Set date: Aug 24/10 Set time: 0929 Lift date: Aug 25/10 Lift time: 0930

Net Length (m): 156 yrd Net Height (m): All are 2m Net depth at each end (m): 7.9m/4.4

Surface temp: 100C Wind direction / speed: NNE ~10km

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net / handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁵	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
ARCH	01	126	173	50	-	F1	-	Y	net	N								
ARCH	02	38	200	100	-	F1	-	Y	net	N								
BURB	03	38	221	100	-			N										
BURB	04	38	225	100	-	F1	-	Y	net	N								
LKTR	05	38	165	25	-			N										
LKTR	06	38	198	75	-	F1	-	Y	net	N								
LKTR	07	25	131	50	-			N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milk" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A.M.

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL 081

Start location: 14W 0638 261 End of Net (in NAD 83): 14W 0638 350

Eastings: 14W 0638 261 Northings: 7212834

Recorder: Jesse Bell Field Staff: Joep

Number of panels by mesh size (for GNS): 5 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 128: ✓ E

Set date: 24 August 2010 Set time: 0810

Lift date: 25 August 2010 Lift time: 0815

Net Length (m): Net Height (m): All are 2m

Net depth at each end (m): 1.3, 10.8

Surface temp: 11°C

Wind direction / speed: 0-5 km/h N

General comments:

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B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % (wt) & contents - indicate if preserved for taxonomy)	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	1	76	165	50				N		Y								
RNWH	2	76	308	300		M7		Y	Net	N								
BURB	3	38	200	50		M6		Y	Net	N								
ARCH	4	38	152	25		F1		Y	Transfer	N								
BURB	5	38	215	50				N		Y								
LKTR	6	25	110	25				N		Y								
LKTR	7	25	125	25				N		Y								
BURB	8	25	165	25				N		Y								
*LKTR	9	25	123	25				N		Y								
LKTR	10	25	125	25		imm		Y	Transfer	N								
ARCH	11	25	132	25				N		Y								
RNWH	12	25	143	25				N		Y								
RNWH	13	25	153	25		imm		Y	Net	N								
ARCH	14	25	154	25		M6		Y	Net	N								
LKTR	15	25	115	25		M6		Y	Net	N								
RNWH	16	25	141	25		M6		Y	Net	N								
RNWH	17	25	136	25		im		Y	Net	N								
ARCH	18	25	134	25		M6		Y	Net	N								
ARCH	19	25	136	25		F2		Y	Net	N								

Dwarf

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A.M.

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data		Number of panels by mesh size (for GNS)		Net Length (m)
Location / ID:	BL082	5: 25: 38: 51: 78: 102: 126:	✓ ✓ ✓ ✓ ✓ ✓ ✓	Net Height (m): All are 2m
Start location	14W 063822	Set date:	24 August 2010	Net depth at each end (m): 4.1 5.7
End of Net (in NAD 83)	14W 0638317	Set time:	0840	Surface temp.
Eastings	7213061	Lift date:	25 August 2010	Wind direction / speed: G-E km/h N
Northings	7213005	Lift time:	0850	General comments:
Recorder:	Jesse Bell			
Field Staff:	Joe P. Detek M.			

B. Fish sample data:					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
These fields for every fish					Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample?	Tissue metals sample?		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)															
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
ARCH	1	51	240	175		M6		Y	Net	M									
CKTR	2	51	285	275		M6		Y	Net	M									
CKTR	3	25	118	25				N											
ARCH	4	25	134	25		F1		Y	Net	M									
ARCH	5	25	119	25				N		Y									Dwarf
ARCH	6	25	132	25				N		Y									Dwarf
ARCH	7	25	151	25				N		Y									Dwarf
ARCH	8	25	128	25				N		Y									Dwarf
ARCH	9	25	119	25				N		Y									
ARCH	10	25	116	25				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID:	81083		Number of panels by mesh size (for GNs):	Net Length (m):
Start location	End of Net (in NAD 83)	Set date	Set time	Net Height (m) All are 2m
Easting	7213026	7213046	0900	Net depth at each end (m): 5.1, 2.4
Northing	7213026	7213046	0900	Surface temp: 11°C
Recorder	Jesse Bell	Lift date	Lift time	Wind direction / speed: 0-5 km/h N
Field Staff	Zack F.	Lift time	0930	General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
ARCH	1	25	132	25				N		Y								
ARCH	2	25	138	25				N		Y								
ARCH	3	25	132	25				N		Y								
ARCH	4	25	136	25				N		Y								
LKTR	5	38	206	100	F	M6		Y	NE+	N								DWOT
RNLWH	6	38	178	250				N		Y								
LKTR	7	38	243	150				N		Y								
RNLWH	8	76	355	500				N		Y								
RNLWH	9	76	339	500		M7		Y	NE+	N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

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These fields for every fish

5¹ cm
pres

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Mar 2011
Meadowbank Division

AEM 2010

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO85		Number of panels by mesh size (for GNs):		Net Length (m): 150 yrd	
Start location: wpt 226	End of Net (in NAD 83) wpt 227	E 25 38 51 76 102 126 S		Net Height (m): All are 2m	
Easting: 14w 0638612	14w 0638488	Set date: Aug 24/10		Net depth at each end (m): 1.44m / 8.6m	
Northing: 7212266	7212358	Set time: 1440		Surface temp: 10.5°C	
Recorder: JA	Lift date: Aug 25/10	General comments:		Wind direction / speed: N ~ 15 km.	
Field Staff: JA, Ym JP	Lift time: 1448				

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO 86

Start location: 22° End of Net (in NAD 83): 225

Easting: 14W 063892 Northing: 7213316

Number of panels by mesh size (for GNs):
 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓

Set date: Aug 24/10 Set time: 14:25

Net Length (m): 150 yrd. Net Height (m): All are 2m

Net depth at each end (m): 1.6m / 3.7m

Recorder: JA Lift date: Aug 25/10 Lift time: 1600

Field Staff: JAYM, JP General comments: 10.5°C N ~ 15 km

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
ARCH	01	25	121	18	—	M7	—	✓	net	N								dwarf.
ARCH	02	25	128	17	—	F1	—	✓	net	N								
ARCH	03	38	193	65	—	M6	—	✓	net	N								
ARCH	04	38	209	100	—	F1	—	✓	net	N								
ARCH	05	51	282	300	—			✓		Y								
ARCH	06	51	246	230	—			✓		Y								
LCR	07	102	285	300	—	M6	—	✓	net	Y								cysts on stomach

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

Location / ID: BLO87		Number of panels by mesh size (for GNe): S 25:✓ 38:✓ 51:✓ 76:✓ 102:✓ 128:✓ E		Net Length (m):
Start location	End of Net (in NAD 83)			Net Height (m). All are 2m
Easting: 14W 0638 301	14W 0638 395	Sol date: 24 August 2010		Net depth at each end (m). 5, 6, 2
Northing: 7212907	7212788	Set time: 1430 AT: 1100 / WT: 1100		Surface temp: 10.5°C
Recorder: Jesse Bell		Lift date: Aug 25 - 2010	W: M: 10 NW	Wind direction / speed: 10-15 Km/H N
Field Staff: Marvin T., Zack I.		Lift time: 1438	General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and line for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO88

Start location: 14W0638508 End of Net (in NAD 83): 14W0638434

Easting: 7213015 Northing: 7212892

Recorder: Jesse Bell

Field Staff: Marvin T., Zack I.

Number of panels by mesh size (for GNE):
E 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ 5

Set date: 24 August 2010

Set time: 1445

Lift date: Aug 25 2010

Lift time: 15:30

Net Length (m):
Net Height (m): All are 2m
Net depth at each end (m): 6.7 5
Surface temp: 10.5°C
Wind direction / speed: 10-15 km/h N

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of Internal / external examinations including DELT)			
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death ³ (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶							
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N							
2KTR	01	76	255	150	F	1		Y	N															
LKTR	02	76	297	210	F	1		Y																
RNNH	03	76	275	200	F	1		Y																
LKTR	04	76	273	200				N																
LKTR	05	76	170	100				N																
LKTR	06	126	120	20	Imm			Y																
ARCH	07	126	100	10	M	7		Y																
ARCH	08	126	130	10	F	1		Y																
LKTR	09	126	110	10	M	6		Y																
LKTR	10	126	110	10				N																

Notes: 1. See mesh size options in section A. 2. Fork length for trout, cher and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear and data

Location / ID: BL089		Number of panels by mesh size (for GNS): E25: ✓ 30: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓		Net Length (m):
Start location	End of Net (in NAD 83)			Net Height (m): All are 2m
Easting: 14W 0638339	14W 0638256	Set date: 24 August 2010		Net depth at each end (m): 5.6 1.0
Northing: 7213003	7213093	Set time: 1500		Surface temp: 10.5°C
Recorder: Jesse Bell		Lift date: Aug 25 2010		Wind direction / speed: 10-15 km/h N
Field Staff: Marvin T. Zacki		Lift time: 16:00	General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

$$A = B \log 0 \quad B = B \log 1 \quad C = B \log 2$$

AEM 2010

Location / ID: BL090		Number of panels by mesh size (for GNs):		B = BL091 C = BL092	
Start location wp1 231	End of Net (m NAD 83) wp1 232	S 25: ☒ 35: ☒ 51: ☒ 76: ☒ 102: ☒ 128: ☒ E		Net Length (m): 130yrd	
Easting: 14w 0638987	14w 0638884	Set date: Aug 25/10		Net Height (m) Alt are 2m	
Northing: 7213114	7213017	Set time: 0845		Net depth at each end (m): 5.9m / 4.3m	
Recorder: VM		Lift date: Aug 27/10		Surface temp: 10.5°C	
Field Staff: VM, MT		Lift time: 0758	General comments:		Wind direction / speed: NNW ~ 15km.
B. Fish sample data					

B. Fish sample data

[illegible]

*Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 5/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data		Number of panels by mesh size (for GNEs)		Net Length (m)	
Location / ID: BLO91		25: 1 38: 1 51: 1 76: 1 102: 1 126: 15		150 yrd.	
Start location: Wpt. 233		End of Net (in NAD 83) Wpt. 234		Net Height (m): All are 2m	
Easting: 14w 0639011		14w 0638923		Net depth at each end (m): 4.8m / 4.9m	
Northing: 7213055		7212918		Surface temp: 10.5°C	
Recorder: Ym		Set date: Aug 25/10		Wind direction / speed: WNW ~ 15km	
Field Staff: Ym MT		Set time: 0922			
		Lift date: Aug 27/10			
		Lift time: 0800		General comments:	

B. Fish sample data					Lab Analysis: Biological Assessment															
These fields for every fish					Field fish data ³			Fish Transfer												
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	Comments (including results of internal / external examinations including DELT)		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
RNWH	01	25	142	50	-	m6	-	Y	net	N										
LKTR	02	25	115	30	-		-	N		Y										
ARCH	03	25	114	25	-	m7	-	Y	net	N										
LKTR	04	38	171	100	-		-	N		Y										
ARCH	05	38	170	100	-		-	N		Y										
ARCH	06	38	160	80	-		-	N		Y										
RNWH	07	51	295	300	-		-	N		Y										
RNWH	08	51	315	375	-	m7	-	Y	net	N										
ARCH	09	76	248	200	-	F1	-	Y	net	N										
LKTR	10	76	248	300	-		-	N		Y										
LKTR	11	51	115	25	-	F1	-	Y		N										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL092

Start location: Wpt 235 End of Net (in NAD 83): Wpt 236

Easting: 14W 0639053 Northing: 7213018

Recorder: YM Field Staff: YM, MT

Number of panels by mesh size (for GNE):
 25' ☒ 38' ☒ 51' ☒ 76' ☒ 102' ☒ 126' ☒ E

Set date: Aug 25/10 Set time: 0957

Net Length (m): 150 yrd Net Height (m): All are 2m

Net depth at each end (m): 2.1m / 3.5m

Surface temp.: 10.5°C Wind direction / speed: NNW ~20 km

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer				Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death ⁴ (Net/ handling/ transfer)	Successfully transferred to TPL ⁵		Aging Structure ⁶	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁷	Tissue metals sample ⁸			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N			
ARCH	01	76	216	100	-	F1	-	Y	net	N											
ARCH	02	51	150	75	-			N		Y											
ARCH	03	51	199	125	-	F1	-	Y	net	N											
ARCH	04	51	154	75	-			N		Y											
ARCH	05	51	180	100	-	4MM	-	Y	net	N											
ARCH	06	38	126	50	-			N		Y											
ARCH	07	25	122	75	-	F2	3-	Y	net	N											
LKTR	08	25	140	50	-	m6	1-	Y	net	N											
ARCH	09	25	134	75	-	m7	2-	Y	net	N											
LKTR	10	25	122	50	-			N		Y											
LKTR	11	25	305	300	-			N		Y											
RNWT	12	25	129	40	-	IMM	-	Y	net	N											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data		Location / ID: 31093		Number of panels by mesh size (for GNS):		Net Length (m): 150 ym	
Start location: Wpt. 286		End of Net (in NAD 83): Wpt. 237		25 38 51 76 102 126 E		Net Height (m): All are 2m	
Easting: 14W 0638590		14W 0638597		Set date: Aug 25/10		Net depth at each end (m): 3.8m / 5.2m	
Northing: 7212086		7212176		Set time: 1511		Surface temp: 10.5°C	
Recorder: ym		Lift date: Aug 27/10		Lift time: 1020		Wind direction / speed: NNW	
Field Staff: ym JA		General comments:					

B. Fish sample data					Lab Analysis: Biological Assessment													Comments (including results of internal / external examinations including DELT)		
These fields for every fish					Field fish data ³			Fish Transfer												
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
LKTR	01	25	119	25				N		Y										
LKTR	02	25	195	125				N		Y										
LKTR	03	25	129	25	-	Mb	-	Y	net	N										
LKTR	04	38	173	75	-	Mb	-	Y	net	N										
LKTR	05	28	200	100	-	F1	-	Y	net	N										
BURB	06	76	440 (m)	500	-	F2	-	Y	net	N										

Notes. 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL094		Number of panels by mesh size (for GNs):		Net Length (m): 150 yrd.	
Start location: pt. 238	End of Net: (in NAD 83) - 839	S: 25: 38- 51- 76- 102- 126- E		Net Height (m): All are 2m	
Easting: 14W 0638509	14W 0638476	Set date: Aug 25/10		Net depth at each end (m): 4.8m / 5.0m	
Northing: 7212170	7212323	Set time: 1545		Surface temp: 10.5 °C	
Recorder: Ym		Lift date: Aug 25/10		Wind direction / speed: NNW ~ 20 km	
Field Staff: Ym, JA		Lift time: 1049		General comments:	
B. Fish sample data					

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structures ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ^{5a}	Tissue metals sample ^{5d}		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
RNWH	01	25	132	50	—	M6	—	Y	net	Y									
ARCH	02	38	186	100	—	—	—	N		Y									
ARCH	03	51	229	100	—	—	—	N		Y									
BURB	04	76	525	422	—	—	—	N		Y									
RNWH	05	76	400	340	—	—	—	N		Y									
										</									

Notes: 1. See mesh size options in section A-2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

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A. Gear and data		Location / ID		B. Gear and data		C. Gear and data		D. Gear and data		E. Gear and data		F. Gear and data		G. Gear and data		H. Gear and data		I. Gear and data		J. Gear and data		K. Gear and data		L. Gear and data		M. Gear and data		N. Gear and data		O. Gear and data		P. Gear and data		Q. Gear and data		R. Gear and data		S. Gear and data		T. Gear and data		U. Gear and data		V. Gear and data		W. Gear and data		X. Gear and data		Y. Gear and data		Z. Gear and data	
Location / ID		Start location		End of Net		Number of panels by mesh size (for GNEs)		Net Length (m)		Net Height (m)		Net depth at each end (m)		Surface temp		Wind direction / speed		Recorder		Field Staff		Set date		Set time		Lift date		Lift time		General comments																							
BL095		WPA 2410		WPA 2411		E 25 38 51 76 102 125		150 yrd		All are 2m		3.7m / 4.3m		10.5°C		NNW ~ 20-25		VM		VM JA		Aug 25/10		1622		Aug 27/10		0933																									

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁵		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
LKTR	01	25	139	60	-	VM	-	Y	net	N									
ARCH	02	25	120	25	-	F2	-	Y	net	N									
ARCH	03	25	132	80	-	F2	-	Y	net	N									
LKTR	04	25	122	70	-			Y		Y									
ARCH	05	25	143	100	-			N		Y									
ARCH	06	25	119	25	-			N		Y									
LKTR	07	38	171	75	-			N		Y									
RNWH	08	38	218	150	-	F1	-	Y	net	N									
ARCH	09	38	165	100	-			N		Y									
ARCH	10	38	196	125	-			N		Y									
ARCH	11	38	195	100	-			N		Y									
LKTR	12	51	276	225	-	F2	-	Y	net	N									
ARCH	13	51	240	150	-	F1	-	Y	net	N									
LKTR	14	51	231	200	-	M11	-	Y	net	N									
LKTR	15	51	280	300	-			N		Y									
ARCH	16	51	290	300	-			N		Y									
ARCH	17	51	214	150	-			N		Y									
LKTR	18	102	552	825	-	F5	-	Y	10.11g	N		0.1 F 41g		5g	Y	Y			

Notes. 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

CYSTS on stomach
very sick many for big fish

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO 96**

Start location: **14W 0638221** End of Net (in NAD 83): **14W 0638317**

Easting: **7213061** Northing: **7213025**

Recorder: **Jesse Bell** Field Staff: **Zack I.**

Number of panels by mesh size (for N₀): **S25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ E**

Set date: **25 AUGUST 2010** Set time: **0845**

Lift date: **AUG-27-2010** Lift time: **8:22**

Net Length (m): **116** Net Height (m): **All are 2m**

Net depth at each end (m): **1.6** Surface temp: **11°C**

Wind direction / speed: **10-15 KM/H N**

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net / handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	102	100	100				N		Y								
RNVH	02	38	233	125		M	6	Y	Net	N								
ARCH	03	38	220	108		F	1	Y		N								
ARCH	04	38	193	76		M	6	Y		N								
ARCH	05	38	253	159		F	1	Y		N								
LKTR	06	38	185	70		F	1	Y		N								
RNVH	07	25	302	315		M	7	Y		N								
ARCH	08	25	150	34		M	7	Y		N								
ARCH	09	25	145	34	IMM			Y		N								
ARCH	10	25	125	23		M	7	Y		N								
LKTR	11	25	133	25		M	6	Y		N								
ARCH	12	25	130	28		F	2	Y		N								
ARCH	13	25	142	29		M	7	Y		N								
LKTR	14	25	125	25				N		Y								
ARCH	15	25	130	21		M	6	Y	Net	N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear rat data

Location / ID:		Number of panels by mesh size (for GNs):		Net Length (m):
BL099		5 25:✓ 36 51:✓ 76 102:✓ 126 ✓E		Net Height (m): All are 2m
Start location	End of Net (in NAD 83)	Set date	Net depth at each end (m): 30 6.1	
14W0638236	14W0638353	25 AUGUST 2010		
Eastings		Set time	Surface temp. 11°C	
721 3022	721 2972	0925		
Northings		Lift date	Wind direction / speed. 10-15 KM/H N.	
		Aug-27-2010		
Recorder:	Jesse Bell	Lift time	General comments	
Field Staff	Zack E.	9:09		

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[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or suckers/bass. 5. Some stomachs to be processed in field, some to be sent to lab - see plan B/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL098**

Start location: **14W0638388** End of Net (in NAD 83): **14W0638540**

Easting: **7213041** Northing: **7213022**

Recorder: **Jesse Bell** Field Staff: **Zack I.**

Number of panels by mesh size (for GNS): **E 25 38 51 76 102 126 S**

Set date: **25 August 2010** Set time: **10:00**

Lift date: **AUG-27-2010** Lift time: **9:42**

Net Length (m): **215.3** Net Height (m): **All are 2m**

Net depth at each end (m): **215.3** Surface temp: **11°C**

Wind direction / speed: **10-15 km/h N**

General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
LKTR	01	25mm	120	35															
LKTR	02	25mm	145	145				Y	Net	N									
RAWH	03	38mm	183	64				N		Y									
LKTR	04	38mm	190	71		F	1	Y	Net	N									
LKTR	05	38mm	210	97		F	1	Y		N									
LKTR	06	38mm	190	60		M	6	Y	Net	N									
LKTR	07	38mm	150			M	6	Y		N									
LKTR	08	25	125	20		M	6	Y		N									
RNWH	09	25	160	70		M	6	Y		N									
BOMB	10	25	210	25		F	1	Y	Net	N									
								Y		N									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milting" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID		BLO99	
Start location	End of Net (in NAD 83)	Number of panels by mesh size (for GNS)	Net Length (m)
Easting: 14W0638272	14W0638392	51: 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ E	Net Height (m). All are 2m
Northing: 7212862	7212876	Set date: 25-AUG-2010	Net depth at each end (m) 6.0 / 6.8
Recorder: NW		Set time: 15:10	Surface temp: 11°C
Field Staff: MT, ZI		Lift date: Aug-27-2010	Wind direction / speed: 10-15 km/h NW
		Lift time: 10:50	General comments:
B. Fish sample data			

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milting" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data		Number of panels by mesh size (for GNS)		Net Length (m):	
Location / ID	BLO 900	E 25: 38: 51: 76: 102: 126: S		Net Height (m): All are 2m	
Start location	End of Net (in NAD 83)	Set date: 25-Aug-2010		Net depth at each end (m): 1.0, 4.6	
Easting:	14W0638500	Set time: 16:00		Surface temp: 11°C	
Northing:	7212853	Lift date: Aug-27-2010		Wind direction / speed: 10-15 km/h, NW	
Recorder:	NW	Lift time: 10:15		General comments:	
Field Staff:	TM, ZI				

B. Fish sample data					Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)				
These fields for every fish					Field fish data ³			Fish Transfer			Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs			Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL? ⁷									
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N									
LKTR	01	51	990	246		F	L	Y	Net										
ARCH	02	25	130	21		F	L	N	↓										
ARCH	03	25	129	22		F	2	Y	↓										
LKTR	04	25	130	25				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO101		Number of panels by mesh size (for GNS):		Net Length (m):
Start location	End of Net (in NAD 83)	5 25 38 51 76 102 126 ✓		Net Height (m). All are 2m
Easting: 14W0638268	14W0638406	Set date: 25-Aug-2010		Net depth at each end (m): 5.6 / 4.5
Northing: 7213031	7212993	Set time: 16:44		Surface temp: 11°C
Recorder: NW	Lift date: 25-27-2010		Wind direction / speed: 10-15 km/h NW	
Field Staff: TM, ZI	Lift time: 11:15		General comments:	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL ²	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁵		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BURB	01	51mm	100					N		Y									
LKTR	02	51mm	170					N		Y									
~~XXXX~~	~~03~~	~~51mm~~	~~166~~																
SM LKTR	03	51mm	166					N		Y									
LKTR	04	51mm	190	66		F	1	Y	NA	N									
ARCH	05	51mm	190	73		M	6	Y		N									
ARCH	06	38mm	192	86		M	6	Y		N									
ARCH	07	25mm	122	21		M	6	Y		N									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BLO 102	Number of panels by mesh size (for GNS):		Net Length (m):
WP#36	Start location	End of Net (in NAD 83) WP437	Net Height (m): All are 2m
Easting: 14W0638351	14W0638409	Set date: Aug-27-2010	Net depth at each end (m): 27.6.2
Northing: 78 13 034	78 12 920	Set time: 15:05	Surface temp: 11°C / AT: 15.0°C
Recorder: NW	Lift date: Aug 28/10	Wind direction / speed: 20 km/hr NW	
Field Staff: NW, TM, ZI	Lift time: 14:30	General comments	

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations & including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL ⁷	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N		
ARCH	01	25	122	12				N		Y									
ARCH	02	25	119	20		F1		Y	net	N									
ARCH	03	25	135	24				N		Y									
RNVH	04	25	151	30		M6		Y	net	N									
ARCH	05	25	121	20		M7		Y	net	N									
ARCH	06	25	120	25		M7		Y	net	N									
CKTR	07	38	212	60				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan, 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

A. Gear set data		Number of panels by mesh size (for GNs)		Net Length (m):
Location / ID:		Start location	End of Net (in NAD 83)	Net Height (m): All are 2m
WP 484	BLO 103	14W0638895	14W0638242	Net depth at each end (m): 46, 7.6
Easting:	7213021	7212903	Set date: Aug-27-2010	Net depth at each end (m): 46, 7.6
Northing:			Set time: Aug-27-2010 14:50	Surface temp: 11°C AT: 15°C
Recorder: NW			Lift date: A4328/10	Wind direction / speed NW 20k=1hr
Field Staff: NW, MT, ZI			Lift time: 14:05	General comments

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO 104**

WP423 Start location: **14W0638457** End of Net (in NAD 83): **14W0638423**

Easting: **7218844** Northing: **7218718**

Recorder: **NW**

Field Staff: **NW, TM, ZF**

Number of panels by mesh size (for GNE):
25: 38: 61: 76: 102: 120: **57**

Set date: **Aug-27-2010**

Set time: **15:25**

Lift date: **Aug 28-2010**

Lift time: **10:30**

Net Length (m):
Net Height (m): All are 2m
Net depth at each end (m): **2.7 6.5**

Surface temp: **11°C AT: 15°C**

Wind direction / speed: **NW 80 km/h**

General comments:

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	51	230	120		F1		Y	net	N								cysts on stom

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BLO105**

Start location: **Wpt. 242** End of Net: **(in NAD 83) - 243**

Number of panels by mesh size (for GNE): **25: 38: 51: 76: 102: 126: E**

Net Length (m): **150 yrd**

Net Height (m): All are 2m

Net depth at each end (m): **2.3m / 3.6m**

Set date: **Aug 27/10**

Set time: **1433**

Surface temp: **10°C**

Wind direction / speed: **NNW ~ 25km/hr**

Easting: **14W 0638532**

Northing: **2212646**

Recorder: **YM**

Field Staff: **YM PM**

Lift date: **Aug 28/10**

Lift time: **9:25**

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
ARCT	01	38	168	25				N		Y										
ARCH	02	38	185	30				N		Y										
LKTR	03	25	128	12		F1		Y	Net	N										
ARCH	04	25	127	12				N		Y										
ARCH	05	25	122	10				N		Y										
ARCH	06	25	127	12				N		Y										
												</								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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A. Gear set data		Number of panels by mesh size (for GNS):		Net Length (m): 150 yrd	
Location / ID: BLO100		E 25: 1 38: 1 51: 1 76: 1 102: 1 125: 1 15		Net Height (m): All are 2m	
Start location wpt. 244		End of Net (to NAD 83) wpt. 245		Net depth at each end (m): 6.2m / 1.6m	
Easting: 14W 0638768		14W 0638731		Surface temp. 18°C	
Northing: 7212615		7212484		Wind direction / speed: NNW ~ 25 km/hr	
Recorder: Ym		Set date: Aug 27/10		General comments:	
Field Staff: Ym, Pm		Set time: 1455			
		Lift date: Aug 28/10			
		Lift time: 9:48			

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan 167. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location 71D		BLO107		Number of panels by mesh size (for GNA):		Net Length (m):	
Start location	Npt. 246	End of Net	(in NAD 83) Npt.	5	25	38	51
Easting:	14W 0638930	14W 0638846		76	102	126	150 yrd
Northing	7212950	7212996					Net Height (m): All are 2m
Recorder	ym			Set date:	Aug 27/10		Net depth at each end (m):
Field Staff	ym, pm			Set time:	1511		5.1m / 5.9m
				Lift date:	Aug 28/10		Surface temp:
				Lift time:	10:15		100C
				General comments:			Wind direction / speed:
							NNW ~30 km

B. Field sample data

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 108

Start location: 638625 End of Net (in NAD 83): 638491

Easting: 248 Northing: 7212538

Recorder: JA Field Staff: 4 PM

Number of panels by mesh size (for GNS): 5 25: 38: 51: 76: 102: 126: E

Set date: Aug 28/2010 Set time: 9:45

Lift date: Aug 30/2010 Lift time: 0801

Net Length (m): Net Height (m): All are 2m

Net depth at each end (m): 3.7 / 6.6

Surface lamp: 10

Wind direction / speed: NW

General comments:

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B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structures	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	
RNWH	01	102	357	475				N		Y								
BURB	02	76	271	125	-	M7	-	Y	net	N								
LKTR	03	76	282	200	-	F1	-	Y	net	N								
ARCH	04	76	252	150	-	M6	-	Y	net	N								
RNWH	05	51	174	50	-			N		Y								
LKTR	06	51	194	75	-			N		Y								
ARCH	07	51	155	50	-	F1	-	Y	net	N								
LKTR	08	51	159	75	-	M6	-	Y	net	N								
ARCH	09	51	170	50	-	F5	-	Y	net	N								
ARCH	10	38	138	40	-	M6	-	Y	net	N								
LKTR	11	38	117	30	-			N		Y								
ARCH	12	38	126	50	-			N		Y								
LKTR	13	85	115	30	-	M6	-	Y	net	N								
RNWH	14	25	144	50	-	M6	-	Y	net	N								
ARCH	15	25	120	50	-	M7	-	Y	net	N								
~~ARCH~~	~~16~~	~~25~~	~~120~~	~~50~~	~~-~~	~~M7~~	~~-~~	~~Y~~	~~net~~	~~N~~								
RNWH	01	51	315	325	-	M7	-	Y	net	N								
LKTR	02	38	213	75	-	F1	-	Y	net	N								
ARCH	03	38	155	30	-	F2/F3	-	Y	net	N								
LKTR	04	38	317	325	-			N		Y								
LKTR	05	25	113	20	-	M6	-	Y	net	N								
LKTR	06	25	110	20	-	M6	-	Y	net	N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

128, 134, 135, 540, 135

A. Gear set data

A. Gear set data			Number of panels by mesh size (for GME)		Net Length (m)				
Location / ID	Start location	End of Net (in NAD 83)	25:	38:	51:	76:	102:	126:	Net Height (m) All are 2m
109	250	251	E	25:	38:	51:	76:	102:	126:
Settling	638727	638785	Set date	Aug 28 / 10					Net depth at each end (m): 5.18 / 7.1
Northings:	7213012	7212884	Set time	10:10					Surface temp: 10
Recorder:	JA		Lift date	Aug 30 2100					Wind direction / speed
Field Staff	FM		Lift time:	0828					
			General comments:						

B. Fish sample data					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment						Comments (including results of internal / external examinations including DELT)		
These fields for every fish					Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ^{5b}			Tissue metals sample ^{5c}
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N			Y/N
		(mm)	(mm)	(g)															
ARCH	01	25	122	50	-	MB	-	Y	net	N									
BURB	02	25	149	25	-	MB	-	Y	net	N									
BURB	03	25	155	40	-	MB	-	Y	net	N									
LATR	04	38	157	40	-		-	Y		Y									
BURB	05	38	213	100	-		-	Y		Y									
RNWH	06	38	188	75	-	MB	-	Y	net	N									
BURB	07	38	192	50	-	FI	-	Y	net	N									
BURB	01	38	225	75	-		-	N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 110

Start location: 252 End of Net (in NAD 83): 253

Easting: 638952 Northing: 7213105

Recorder: JA Field Staff: YM

Number of panels by mesh size (for SNe): E 25: 38: 51: 76: 102: 126: 15

Set date: Aug 28/10 Set time: 10:35

Lift date: Aug 30/10 Lift time: 08:53

Net Length (m): Net Height (m): All are 2m

Net depth at each end (m): 7.2 2.9

Surface temp: 10 Wind direction / speed:

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (NoV handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MPF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
Aug 29/10 BL110A 1028 9.5°C SH	RNNH	01	51	305														
	LCTR	02	38	180														
	LCTR	03	38	191														
	BURB	04	38	200														
	ARLT	05	25	125														
	ARLT	06	25	129														
Aug 30/10 BL110B 0853 9.0°C ↓ Pulled - SH	ARCH	01	38	205														

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear not data

Location / ID		111		Number of panels by mesh size (for GNs):		Net Length (m):	
Start location	490	End of Net (in NAD 83)	491	5	25	30	51
Easting	68237		638384	76	102	128	Net Height (m): All are 2m
Northing	7213045		7213062	Set date	Aug 28 / 10		Net depth at each end (m)
Recorder	JA			Set time	14:15		4m / 1.4
Field Staff	NUN			Left date	29-Aug-2010		Surface temp: 10
				Lift time	19:32		Wind direction / speed: NNE 8
B. Fish sample data				General comments:			
These fields for many fish							

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[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 112		Start location 492		End of Net (in NAD 83) 493		Number of panels by mesh size (for GNE): 25: 1 38: 1 51: 1 76: 1 102: 1 126: 1 15		Net Length (m):	
Easting: 638266		638266		638389		Set date: Aug 28/10		Net Height (m): All are 2m	
Northing: 7212882		7212882		7212939		Set time: 17:49		Net depth at each end (m): 5.6 / 5.4	
Recorder: JA						Lift date: 28-08-2010 - 10km NW V.W.		Surface temp: 10	
Field Staff: NW						Lift time: 8:29		Wind direction / speed:	
						General comments:			

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BURB	01	38	210	100				N		Y									
BURB	02	38	195	100	F	1		Y	net	N									
BURB	03	38	145	25				N		Y									
LKTR	04	38	155	50	M	6		Y	net	N									
ARCH	05	38	155	100				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

Location / ID: 113		Number of panels by mesh size (for BNA): 25 38 51 76 102 126		Net Height (m): All are 2m	
Start location: 494		End of Net (m NAD 83): 496		Net depth at each end (m): 1.8 / 7.8	
Easting: 638294		Set date: Aug 28 / 10		Surface temp: 12	
Northing: 7212725		Set time: 15:00		Wind direction / speed:	
Recorder: JA		Lift date: 29-08-2010		General comments:	
Field Staff: NW		Lift time: 9:03			

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 8/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet					
A. Gear set data					
Location / ID.		Number of panels by mesh size (for gNts)		Net Length (m)	
114		ST 25 39 51 76 102 126 15nd		Net Height (m): All are 2m	
Start location	End of Net (in NAD 83)	Set date	Net depth at each end (m): 6.0 / 7.0		
14W0638261	14W0638326	29-Aug-2010			
Easting:		Set time	Surface temp: 10°C / AT: 7°C		
14W0638261	14W0638326	8:50			
Northing:		Lift date	Wind direction / speed: 12 km/h NW		
7212420	7212809	30-Aug-2010	AT + 7°C W + 10.5°C		
Recorder		Lift time	General comments:		
NW		8:13			
Field Staff:					
NW, ZI					

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID	115	Number of panels by mesh size (for GNS)	Net Length (m)
Start location	500	End of Net (in NAD 83)	Net Height (m): All are 2m
Easting	14W0638266	14W06383971	Net depth at each end (m)
Northing	7212970	7212911	Surface temp.
Recorder	NW	Lift date	Wind direction / speed
Field Staff	NW, ZF	Lift time	General comments:

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B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g) ³	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - Indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
WRB	01	38	210	55	F	1		Y	net	Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID: 116		Number of panels by mesh size (for GNS):		Net Length (m).	
Start location	502	End of Net (in NAD 83)	503	Net Height (m). All are 2m	
Easting:	14W 0638299		14W 0638448	Net depth at each end (m): 50, 4.5	
Northing:	7213028		7213002	Surface temp: 10°C / Air: 7°C	
Recorder	NW	Lift date		Wind direction / speed:	
Field Staff	NW, 2I	Lift time		General comments	

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

PM

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Location / ID: 117		Number of panels by mesh size (for GNs):		Net Length (m)	
Start location: 504	End of Net (in NAD #): 505	St 25: 38: 51: 78: 102: 117		Net Height (m). All are 2m	
Easting: 14W 0638417	14W 0638559	Set date: 29-Aug-2010		Net depth at each end (m) 3.2 5.7	
Northing: 7213041	7213030	Set time: 14:15		Surface temp: 10.5° AT: 70°	
Recorder: NW		Lift date: 30-Aug 2010		Wind direction / speed: 10-15 km NW	
Field Staff: NW ZI		Lift time: 14:30		General comments:	

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "m" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID		118		Number of panels by mesh size (for GNS)		S 25: 1 38: 1 51: 1 76: 1 102: 1 128: 1 F		Net Length (m).	
Start location		506		End of Net (in NAD 83)				Net Height (m): All are 2m	
Easting		14W0638357		14W0638497		Set date		29-Aug-2010	
Northing		7212985		7212929		Set time		14:26	
Recorder		RW		Lift date		30 Aug 2010		Net depth at each end (m)	
Field Staff		RW ZIF		Lift time		14:10		Surface temp	
						General comments:		Wind direction / speed: 10-15 NW	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

The Battle's outside Raging
 W/ SDON Shake your windows and fattle inner walls
 Don't Critisise what you can't understand - your son + your daughter are beyond your command
 your old Rec'd's rapidly as its - please get out of the new one if you can't love yourself

PM

COPY - original on reverse of Meadowbrook
126

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Location ID: 119		Number of panels by mesh size (for GNA):		Net Length (m):	
Start location: C08	End of Net (in NAQ 83): 509	5 25: 1 38: 51: 78: 102: 128: 156		Net Height (m): All are 2m	
Easting: 14W0638355	14W0638372	Set date: 29-Aug-2010		Net depth at each end (m): 17.7	
Northing: 721249887	72124872	Set time: 15:22		Surface temp: 10.5° A+	
Recorder: NW		Lift date: 30th Aug - 2010		Wind direction / speed: 10 km/hr N.W	
Field Sta#: NW 2 I		Lift time: 13:50	General comments:		

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL120		Number of panels by mesh size (for GBbs)		Net Length (m): 150 yrd.	
Start location	End of Net	E 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ S		Net Height (m): All are 2m	
Easting: 14W 0638409	14W 0638563	Set date: Aug 29/10		Net depth at each end (m): 8.0m / 5.1m	
Northing: 7212324	7218194	Set time: 1410		Surface temp: 10°C	
Recorder: Ym	Ym, MN, NT	Lift date: 30-Aug-2010		Wind direction / speed: NNW ~15 km	
Field Staff: Ym, PM		Lift time: 1410		General comments:	

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Full: 10°C
A+:

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID		BL121		Number of panels by mesh size (for GNs)		Net Length (m)	
Start location		WPT 256		E		150 yrd	
End of Net (in NAD 83)		WPT 257		F		Net Height (m): All are 2m	
Eastings		4W 0638484		Set date:		Aug 29/10	
Northings		7212621		Set time:		1422	
Recorder		JRM		Lift date		30-Aug-2-10	
Field Staff:		JRM PM		Lift time:		16:00	
				General comments:		Wind direction / speed, NNW ~ 15 Kmph	
						Net depth at each end (m): 2.2m / 6.7m	
						Surface temp. 16°C	

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan 8/7. Liver sample should be coded as "fish sample ID" + "L". Yissue samples should be coded as "fish sample ID" + "Y".

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Location / ID: BL123		Number of panels by mesh size (for GNs): S ~~S~~ ~~S~~ ~~S~~ ~~S~~ ~~S~~ E		Net Length (m): 150 yrd.	
	Start location wpt. 260	End of Net (in NAD 83) wpt 261		Net Height (m): All are 2m	
Easting:	NW 0638677	NW 0638704	Set date: Aug 30/10	Net depth at each end (m): 6.2m / 37m	
Northing:	7212588	7212439	Set time: 0821	Surface temp. 9.0°C / 10°C	
Recorder:	YM	Lift date: 31-Aug-2010		Wind direction / speed NW ~ 10 km/h / NINE SEK	
Field Staff:	YM, AM	Lift time: 9:41	General comments.		

[illegible]

Notes. 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "1". Tissue samples should be coded as "fish sample ID" + "1".

* BL122 sheet on back⁵⁵ of BL132

Am



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SN

Location / ID: BL124		Number of panels by mesh size (for GNe)		Net Length (m) 150 yrd.	
Start location wpt. 862	End of Net (in NAD 83) wpt. 263	25: 30: 51: 76: 102: 126: 5		Net Height (m): All are 2m	
Eastings: 14W 0638734	14W 0638720	Set date: Aug 30/10		Net depth at each end (m) 1.4m / 4.8m	
Northings: 7213237	7213088	Set time: 0846.		Surface temp: 9.0°C / 10°C	
Recorder: Ym		Lift date: 31-Aug-2010		Wind direction / speed: NW ~ 10km / 5.0 m/s	
Field Staff: Ym, fm	2I, M?	Lift time: 8:50		General comments:	

84.

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan, 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Am

Location / ID		Number of panels by mesh size (for GNA)		Net Length (m):
126		5 25 35 51 76 102 126		Net Height (m): All are 2m
Start location	End of Net (in NAD 83)	Set date:	Net depth at each end (m): 9.6 10.0	
510	511	30-Aug-2010	Surface temp 10.5°C	
Easting	14N0638250	Set time:	Wind direction / speed: 5-10 kmph r NW	
7212889	7212790	8:33		
Recorder:	NW	Lift date:		
Field Staff	NW, MT, ZI	Lift time:	General comments:	
		9:08		

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Am

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Location / ID		Number of panels by mesh size (for GNA)		Net Length (m)
127		E 25 V 36 V 51 V 76 V 102 V 126 S		
Start location	End of Net (in NAD 83)	Set date	Net Height (m): All are 2m	
512	513	30-Aug-2010		
Easting	14W 0638245	Set time	Net depth at each end (m) 3.0 7.0	
7212963	7212902	8:48	Surface temp: 10.5°C	
Recorder	Field Staff	U/L date	Wind direction / speed.	
NW	NW, MT, 2E	31-Aug-2010		
		U/L time	General comments:	
		9:55		

[illegible]

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Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear net data

Location / ID		Number of panels by mesh size (for GNs)		Net Length (m):	
128		5 25 1 38 1 51 1 76 1 102 1 128 1 E		Net Height (m) All are 2m	
Start location 514		End of Net (in NAD 83)		Net depth at each end (m) 5 15.9	
Easting 14W0638327		14W0638455		Set date: 30-Aug-2010	
Northing: 7213017		7212937		Set time: 9:20	
Recorder NW		Lift date 31-Aug-2010		Surface temp: 10.5°	
Field Staff: NN 2J MT		Lift time: 10:15		Wind direction / speed.	
				General comments	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or alewifebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Dave:
44⁵⁶⁰-146 set PM 31-08-2010

4a

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Location / ID	29		Number of panels by mesh size (for GNLs)	Net Length (m)
Start location	516	End of Net (m NAD 83)	517	Net Height (m) All are 2m
Easting	14W 0638432	14W 0638379	Set date	Net depth at each end (m) 5.5 10.4
Northing	7212718	7212643	Set time	Surface temp. 10.5
Recorder	Dave S		Lift date	Wind direction / speed:
Field Staff	Zack, Paul		Lift time	
			General comments:	

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[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T"

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

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Location / ID		130		Number of panels by mesh size (for GNs):		Net Length (m):	
Start location		518		End of Net (in NAD 83)		519	
Easting		14w 0638329		14w 0638399		Set date:	
Northing		7212603		7212732		Set time	
Recorder		Dave S		Lift date		Lift time	
Field Staff		Paul, Zack		General comments:		Net Height (m): All are 2m	
						Net depth at each end (m) 4.1 7.5	
						Surface temp 10.5°C	
						Wind direction / speed:	

B. Fish sample data

[illegible]

Notes: 1. Sew mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

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Location / ID: 131		Number of panels by mesh size (for GNI's)		Net Length (m):	
Start location		End of Net (in NAD 83)		Net Height (m): All are 2m	
Easting: 14W 0630354		14W 0630400		Net depth at each end (m) 0.3/1.2	
Northing: 7212650		7212784		Surface temp: 10.5	
Recorder: Dave S		Lift date: 31-Aug-2010		Wind direction / speed: N:1	
Field Staff: Zack, Paul		Lift time: 14:50		General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A.2. Fork length for trout, char and whitefish; total for all others. 2. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 3. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 4. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Ym

A. Gear set data			Number of panels by mesh size (for GNS)		Net Length (m).
Location / ID B2132			E 25 38 51 76 102 128		Net Height (m) All are 2m
	Start location 266	End of Net (in NAD 83)	30-AUG-2010		Net depth at each end (m) 9.4.2
Easting:	14W0638534	14W0638616	Set time: 14:26		Surface temp: 10°C At 10°C / 10°C At: 12°C
Northing:	7212274	7212136	Lift date, 31-AUG-2010		Wind direction / speed / WNE 5-10 km
Recorder: NW			Lift time: 14:30		General comments.
Field Staff: NW, YH, MT					

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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A. Gear set data			Number of panels by mesh size (for GNS):		Net Length (m):
Location / ID:	133		S 25 38 L 21 X 75 102 126		Net Height (m): All are 2m
	Start location 265	End of Net (in NAD 83)	Set date	20-Aug-2010	Net depth at each end (m) 4.6, 6.4
Easting:	14W0638848	14W0638830	Set time	15:35	Surface temp: 10°C At 10
Northing:	7212697	7212839	Lift date	31-Aug-2010	Wind direction / speed: 10-15 km NW Sunny
Recorder:	NW		Lift time	14:50	General comments:
Field Staff:	NW, MT				

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Division

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Ph

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A. Gear set data

Location / ID: 134		Number of panels by mesh size (for G&E):		Net Length (m):	
Start location	End of Net (in NAD 83) 271	25 ✓	38 ✓	51 ✓	76 ✓
Easting: 14W0638499	14W0638646	Set date: 30-Aug-2010		Net Height (m): All are 2m	
Northing: 7812500	7818508	Set time: 16:13		Net depth at each end (m) 5.2, 6.7	
Recorder: NW	Lift date: 31-Aug-2010	Surface temp: 10°C At 10°C		Wind direction / speed: 10-15 Km/hr NW Sunny	
Field Staff: NW, MT	Lift time: 14:58	General comments:			

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID: 135		Number of panels by mesh size (for GNA's):		Net Length (m):	
Start location	272	End of Net (in NAD 83)	273	3 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ E	
Easting: 14W 0638443		14W 0638297		Net Height (m) All are 2m	
Northing: 7212707		7212815		Net depth at each end (m) 62 / 7.2	
Recorder Dave S		Lift date: 1-Sept-2010		Surface temp: 11°C	
Field Staff: Paul		Lift time: 17:45		Wind direction / speed: N /	
		General comments			

[illegible]

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Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 136

Start location: 274 End of Net (in NAD 83): 275

Easting: 14w 0638318 Northing: 7212841

Set date: 31-Aug-2010 Set time: 10:10

Recorder: Dave S Lift date: 1-Sept-2010 Lift time: 9:50

Field Staff: Paul

Number of panels by mesh size (for GNs): F 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ S

Net Length (m): 5213.4

Net Height (m) All are 2m

Net depth at each end (m): 119

Surface temp: 11°C

Wind direction / speed: Ni1

General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
ARCH	01	25	150	32	F	F5		Y	Net	N										
ARCH	02	25	125	26	M	M7		Y	Net	N										
ARCH	03	38	145	21		Imm		Y	Net	N										
ARCH	04	38	120	20	M	M7		Y	Net	N		O/F	yes	-	-	0.18	Y	Y	DWARF	
																	</			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LY and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gasr sat data

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Location / ID	137		Number of panels by mesh size (for GNAs)	Net Length (m).
	Start location	End of Net (in NAD 83)	S 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ E	Net Height (m): All are 2m
Easting:	14W 0638397	14W 0638447	Set date: 31-Aug-2010	Net depth at each end (m) 42 / 1.5
Northing:	7212953	7212815	Set time: 10:30	Surface temp 11.2
Recorder:	Dave S		Lift date: 31-Aug-2010	Wind direction / speed: N /
Field Staff:	Paul		Lift time: 10:20	General comments

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "milking" for most fish. 4. otoliths and line for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

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Location / ID: 138		Number of panels by mesh size (for GNEs):		Net Length (m):	
Start location: 522		End of Net (in NAD 83): E 25✓ 38✓ 51✓ 75✓ 102✓ 126✓ 151✓		Net Height (m): All are 2m	
Easting: 14W0638866		Set date: 31-AUG-2010		Net depth at each end (m): 4.2, 1.5	
Northing: 7213333		Set time: 8:51		Surface temp: 10°C At 10°C	
Recorder: NW		Lift date: 1-09-2010		Wind direction / speed: NNE 5-10 km phr	
Field Staff: NW, ZI, MT		Lift time: 9:14AM		General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan 5/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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X: Observer Set Date			Number of panels by mesh size (for GNs):			Net Length (m):		
Location / ID 139			Start location 624 End of Net (in NAD 83) 525			Net Height (m): All are 2m		
Easting: 14W0638731			Set date 31-AUG-2010			Net depth at each end (m) 4.25.6		
Northing: 7213152			Set time: 9:28			Surface temp. 13°C Air: 10°C		
Recorder: MW			Lift date: 01-09-2010			Wind direction / speed: NNE 5-10		
Field Staff: MT, ZF			Lift time: 10:31			General comments:		

[illegible]

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Location / ID: 140		Number of panels by mesh size (for GNS): E 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 125 ✓ 15	Net Length (m):
Start location	End of Net (In NAD 83)		Net Height (m). All are 2m
Easting: 14W0638445	14W0638585	Set date: 31-Aug-2010	Net depth at each end (m): 8.2, 4.9
Northing: 7212523	7212459	Set time: 9:55	Surface temp: 10°C At 11°C
Recorder: NW		Lift date: 01-09-2010	Wind direction / speed: NNE 5 km/hr
Field Staff: MT, ZI	Lift time: 11:15	General comments	

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and line for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

put

A. Gear set data

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Location / ID: 141		Number of panels by mesh size (for GNS): 5 25 38 51 76 102 125		Net Length (m):	
Start location: 528		End of Net (in NAD 83): 529		Net Height (m): All are 2m	
Easting: 14W0638429		14W0638571		Net depth at each end (m): 8.9, 5.2	
Northing: 7212289		7212213		Surface temp: 10°C	
Recorder: NW		Lift date: 01-09-2010		Wind direction / speed: S-10 / NE-FAN	
Field Staff: MT, I2		Lift time: 13:47		General comments:	

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

Location / ID		Number of panels by mesh size (for GNS):		Net Length (m)
142		5 25 38 51 76 102 126		
Start location	End of Net (in NAD 83)	Set date	Net Height (m) All are 2m	
532	573	31-Aug-2010		
Easting:		Set time:	Net depth at each end (m):	
14W0638759	14W0638836	14:10	5.9 6.1	
Northing:			Surface temp: 10°C	
721936	7212800	Lift date:	Wind direction / speed: 5-10 km/h NW	
Recorder:		Lift time:		
NW 2		14:53	General comments:	
Field Staff:				
RI, MAT				

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear not data

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Location / ID: 143		Number of panels by mesh size (for ORAT):		Net Length (m)	
Start location: 530	End of Net (in NAD 83): 531	E 251 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 120 ✓		Net Height (m): All are 2m	
Easting: 14W0638518	14W0638625	Set date: 31-Aug-2010		Net depth at each end (m): 3.5 / 2.0	
Northing: 7212529	7212618	Set time: 3:15		Surface temp: 10°C / At: 12°C	
Recorder: WIN		Lift date: 01-09-2010		Wind direction / speed: 5-10 NNE	
Field Staff: ZI, MT		Lift time: 14:47		General comments:	

$$\begin{array}{r} 130.78 \\ 121.32 \\ \hline 252.10 \end{array}$$

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "liver sample 10" + "L". Tissue samples should be coded as "fish sample 10" + "T".

A. Gun set data

Location / ID		Number of panels by mesh size (for GNS):		Net Length (m):	
144		E 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ S		Net Height (m): All are 2m	
Start location 784		End of Net (In NAD 83) 785		Net depth at each end (m) 1.9 / 1.2	
Eastings: 14W 0638473		14W 0638272		Set date: 31-Aug-2010	
Northings: 7212901		7212712		Set time: 15:10	
Recorder Dave .S		Lift date: 1-Sept-2010		Surface temp 10°C	
Field Staff: Sam		Lift time: 11:10		Wind direction / speed: N/E	
				General comments	

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

Location / ID		145		Number of panels by mesh size (for GNs):		Net Length (m):	
Start location		282		End of Net (in NAD 83)		283	
Easting		14 W 0638509		14 W 0638506		Net Height (m) All are 2m	
Northing		7213050		7212910		Net depth at each end (m): 1.4, 1.5	
Recorder		Dark S		Set date:		31-Aug-2010	
Field Staff:		Paul		Set time:		14:30	
				Lift date:		1-Sept-2010	
				Lift time:		11:25	
				General comments:		Wind direction / speed: Nil	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fine for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

Location / ID	146		Number of panels by mesh size (for GNE)	Net Length (m):
Start location	278	End of Net (in NAD 83)	280	Net Height (m): All are 2m
Easting:	14w 0638478	14w 0638399	Set date: 31-Aug-2010	Net depth at each end (m): 1.6/8.8
Northing:	7212361	7212361	Set time: 14:00	Surface temp: 11°C
Recorder	Dave S		Lift date: 7-Sep-2010	Wind direction / speed: N/16
Field Staff	Paul		Lift time: 8:35	General comments:

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "milking" for most fish. 4. otoliths and fins for LY and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

[illegible]

Notes. 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID		Number of panels by mesh size (for GNs)		Net Length (m):
149		5 25 38 51 106 102 126		Net Height (m): All are 2m
Start location	End of Net (in NAD 83)	Set date:	Set time:	Net depth at each end (m)
542	14W0638588	01-09-2010	11:33	5 & 2.6
Easting	7212446	7212528	02-09-2010	Surface temp. 10°C
Recorder:	Field Staff:	Lift date:	Lift time:	Wind direction / speed:
NW	AT, JT	02-09-2010	9:40	S-NO N NW
		General comments:		

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 150		Number of panels by mesh size (for GNS)		Net Length (m).	
	Start location 534	End of Net (in NAD 83)	E 25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ S		Net Height (m). All are 2m
Easting	1410628733	1410638662	Set date	01-09-2010	Net depth at each end (m) 36.5.7
Northing	7213224	7213083	Set time	10:48	Surface temp: 10.2
Recorder	NW		Lift date	02-09-2010	Wind direction / speed: S-10 NW wavy
Field Staff	NW, ZI, MT		Lift time	9:53	General comments:

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location ID: 151		Number of panels by mesh size (for SNa)		Net Length (m).	
Start location	575	End of Net (in NAD 83)	576	Net Height (m) All are 2m	
Easting	14W0638866	UTM	14W0638926	Net depth at each end (m): 5.6 2.0	
Northing	7213353	UTM	7213205	Surface temp 10.0	
Recorder:	NJ	Lift date:	03-09-2010	Wind direction / speed: 5-10 NW	
Field Staff:	MT, 2E	Lift time:	10:13	General comments:	

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins and sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear sat data

Location / ID: 152		Number of panels by mesh size (for 0.5m): 6 25 30 51 76 102 125		Net Length (m)	
Start location: 547	End of Net (in NAD 83): 598			Net Height (m): All are 2m	
Easting: 114W0638756	114W0638724	Set date: 02-09-2010		Net depth at each end (m): 4.0, 5.0	
Northing: 7213225	7213128	Set time: 10:00		Surface temp: 10°C	
Recorder: NW		Lift date: 02-09-2010		Wind direction / speed: 15-10 NW / 10°C	
Field Staff: 2H, MT		Lift time: 9:30		General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear pot data

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Location / ID: 153		Number of panels by mesh size (for G.Ns):		Net Length (m)	
Start location: 552	End of Net (in NAD 83): 551	5 25 38 51 76 102 126		Net Height (m): All are 2m	
Easting: MW0638645	NW0638713	Set date: 02-09-2010		Net depth at each end: 6-2 5.7	
Northing: 7212428	7212543	Set time: 10:45		Surface temp: 19°C	
Recorder: NW		Lift date: 03-09-2010		Wind direction / speed: S-10 NW	
Field Staff: ZIMT		Lift time: 8:59		General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L." Tissue samples should be coded as "fish sample ID" + "T"

Bay-Goose Basin Fish-out 2010

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Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 154		Number of panels by mesh size (for GMS):		Net Length (m)	
Start location	End of Net (in NAD 83)	25 36 51		Net Height (m): All are 2m	
Easting: 14W0638424	14W0638449	Set date: 02-09-2010		Net depth at each end (m): 84 5.5	
Northing: 7212502	7212579	Set time: 11:15		Surface temp: 10°C	
Recorder: NW		Lift date: 03-09-2010		Wind direction / speed: 5-10 NW / 10°C	
Field Staff: 2T, MT		Lift time: 8:31		General comments:	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
ARCH	01	25	150	25	—	—	—	N		Y										
ARCH	02	25	145	25	—	—	—	N		Y										
BUKE	03	38	220	25	—	—	—	N		Y										
BURB	04	38	220	25	—	—	—	N		Y										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and line for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue sample should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear not data

Location / ID: 555		Number of panels by mesh size (for GNs): E 25:✓ 38:✓ 51:✓ 76:✓ 102:✓ 128:✓		Net Length (m):
Start location 555	End of Net (in NAD 83) 556			Net Height (m): All are 2m
Easting: 14W0638652	14W0638731	Set date: 02-09-2010		Net depth at each end (m): 10.0, 7.0
Northing: 7213014	7212889	Set time: 16:43		Surface temp: 10°C
Recorder: NW		Lift date: 03-09-2010		Wind direction / speed: S-10 NW / 10 mph
Field Staff: 21, MT		Lift time: 15:50		General comments:

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B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan, 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 157		Number of panels by mesh size (for GNS):		Net Length (m):	
Start location: 559	End of Net (in NAD 83): 560	E 25 ✓ 36 ✓ 51 ✓ 76 ✓ 102 ✓ 128 ✓ 15		Net Height (m): All are 2m	
Easting: 14W0638806	14W0638863	Set date: 02-09-2010		Net depth at each end (m): 4 / 5.6	
Northing: 7212615	7212748	Set time: 17:02		Surface temp: 10°C	
Recorder: NW		Lift date: 03-09-2010		Wind direction / speed: 5-10 NW	
Field Staff: NW, ZI, MT		Lift time: 15:15		General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or walleyebucks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID: 158		Number of panels by mesh size (for GND)		Net Length (m):	
Start location 561	End of Net (in NAD 83) 562	75 102 126 ✓ 4 par.		Net Height (m): All are 2m	
Easting: MW0638384	14W0638933	Set date: 02-09-2010		Net depth at each end (m): 4.7 5.3	
Northing: 7212969	7213039	Set time: 17:36		Surface temp: 18.2	
Recorder: NW		Lift date: 03-09-2010		Wind direction / speed: 5-10 NW	
Field Staff: ZT, MT		Lift time: 3⇒15:00		General comments:	

[illegible]

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3 Pm AM

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A. Gear set data				SPAN		AM	
Location / ID:		159		Number of panels by mesh size (for GNS):		Net Length (m):	
Start location		563		End of Net (in NAD 83)		Net Height (m): All are 2m	
Easting		14W0638575		Set date		Net depth at each end (m)	
Northing		7212202		Set time		Surface temp	
Recorder:		NW		Lift date:		Wind direction / speed	
Field Staff		Z1, MT		Lift time			
				General comments			

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID: BL160		Number of panels by mesh size (for GNS):		Net Length (m)	
	Start location	End of Net (in NAAD 83)	S 25° 38' 51" N 78° 102' 126" E		Net Height (m): All are 2m
Easting:	14W 0638465	14W 0638527	Set date:	Sept 02, 2010	Net depth at each end (m) 1.3/4.5
Northing:	7213044	7213032	Set time:	10:30	Surface temp. 9.0
Recorder:	Dave S.		Lift date:	Sept 09, 2010	Wind direction / speed:
Field Staff:	Paul		Lift time:	10:00	General comments:

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death ¹ (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ¹	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ²	Tissue metals sample? ²	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	76	310	325	—			N		Y								
RNWH	01	51	338	450	—			N		Y								
no catch																		

Notes. 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T"

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Location / ID: 167		Number of panels by mesh size (for GNs):		Net Length (m)	
Start location	287	End of Net (in NAD 83)	288	S: 3, V: 38, V: 51, E: 76; 102 126;	
Easting:	14W 0638297	14W 0638258	Set date	Sep. 2, 2010	
Northing:	7213011	7213062	Set time	11:00	
Recorder:	Paul		Lift date	Sept 06, 2010	
Field Staff:	Daves, Paul/M		Lift time	1130	
			General comments.		
			Net Height (m): All are 2m		
			Net depth at each end (m) 1 9.2/1.5		
			Surface temp 9.5 °		
			Wind direction / speed. N/11		

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L." Tissue samples should be coded as "fish sample ID" + "T."

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 161

Start location: 287 End of Net (in NAD 83): 288

Easting: 14W 0638297 Northing: 7213011

End of Net (in NAD 83): 14W 0638258 Northing: 7213062

Number of panels by mesh size (for GNEs): 25: ✓ 38: ✓ 51: ✓ 102: ✓ 126: ✓

Set date: Sept 2nd / 2010 Set time: 11:00

Lift date: Sept 6th Lift time: 11:30

Net Length (m): Net Height (m) All are 2m

Net depth at each end (m): 4.2 / 1.5

Surface temp: 9.5

Wind direction / speed:

Recorder: Paul Field Staff: DAVE

General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N				
LKTR	01	51	215	200	-	-	-	N		Y											
RNWH	02	51	335	350	-	F2	-	Y	Net	N		10g	22.13	.68	5.91	Y	Y				
LKTR	03	51	180	150	-	-	-	N		Y											
ARCH	04	51	215	100	-	M6	-	Y	Net	N											
ARCH	05	51	150	50	-	F2	-	Y	Net	N											
ARCH	06	51	145	50	-	-	-	N		Y											
RNWH	07	51	165	100	-	-	-	N		Y											
ARCH	08	51	110	25	-	-	-	N		Y											
LKTR	01	38	180	50	-	-	-	N		Y											
LKTR	02	38	175	25	-	-	-	N		Y											
RNWH	03	38	195	50	-	-	-	N		Y											
BURB	04	38	200	75	-	-	-	N		Y											
RNWH	05	25	145	25	-	-	-	N		Y											
RNWH	06	25	150	25	-	-	-	N		Y											
ARCH	01	25	151	34	-	M6	-	Y	Net	N											
ARCH	02	25	120	19	M	Imm	-	Y	Net	N											
RNWH	03	25	156	37	-	F1	-	Y	Net	N											
RNWH	04	38	191	74	-	M6	-	Y	Net	N											
LKTR	05	38	250	150	-	F1	-	Y	Net	N											
LKTR	06	51	205	89	-	M6	-	Y	Net	N											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

171-01-

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **162**

Start location: **292** End of Net (in NAD 83): **291**

Number of panels by mesh size (for GNE):
 25: ☒ 38: ☒ 61: ☒ 76: ☒ 102: ☒ 126: ☒ **US**

Net Length (m):
 Net Height (m): All are 2m

Easting: **14W 0638351** Northing: **7212618**

Set date: **2-Sept-2010** Set time: **15:00**

Net depth at each end (m): **7.4/8.4**

Recorder: **Dave S** Lift date: **20 Sept 2010** Surface temp: **9.5°C**

Field Staff: **Paul** Lift time: **15:46:20** Wind direction / speed: **N:1**

General comments:

AEM 2010
Page 1 of 2

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
LKTR	L01	51	300	250		m6		Y	Net	N		OA	yes	-	-	2.96	Y	Y	
LKTR	L02	25	112	25				N		Y									
LKTR	03	25	132	25		Imm		Y	Net	N									
LKTR	01	38	114	25				N		Y									
AKTR	02	38	131	25				N		Y									
															</				

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for eulachins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan B7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010
Meadowbank, Oct. Fish-Out CPUE Phase Field Data Sheet

GPS on
Last sheet

YPC

A. Gear set data

Location / ID:	162		Number of panels by mesh size (for GNS):		Net Length (m):
Start location	292	End of Net (in NAD 83)	291	25: ☒ 38: ☒ 51: ☒ 75: ☒ 102: ☒ 125: ☒	Net Height (m): All are 2m
Easting:	14W 0630351	14W 0630431	Set date:	Sept 2nd	Net depth at each end (m): 71, 8.4
Northing:	7212618	7212692	Set time:	15:00	Surface temp:
Recorder:	Dave		Lift date:	Sept 10th	Wind direction / speed:
Field Staff:	Paul		Lift time:	14:20	General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶					
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N					
ARCH	01	25	128	75	-	-	-	N		Y												
ARCH	02	25	135	75	-	MB	-	Y	Net	N												
ARCH	03	25	147	100	-	F2	-	Y	Net	N												
ARCH			25	25																		
ARCH	01	25	150	25	-	Fp	-	Y	Net	N												
ARCH	01	38	125	50	-	-	-	N		Y												
ARCH	02	38	123	56	-	-	-	N		Y												
ARCH																						
ARCH	01	25	113	25	-	-	-	N		Y												
LKTR	02	25	120	25	-	-	-	N		Y												
ARCH	03	25	123	25	-	-	-	N		Y												
LKTR	01	76	275	200	-	MB	-	Y	Net	N												
LKTR																						
LKTR	01	25	128	25	-	-	-	N		Y												

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 163A		Number of panels by mesh size (for GNS): 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓				Net Length (m)
Start location	End of Net (in NAD 83)	Set date: Sept 2nd				Net Height (m) All are 2m
Easting: 14W 0638278	0638318	Set time: 15:00				Net depth at each end (m): 45/7.8
Northing: 7212993	7212770	Lift date: Sept 8th				Surface temp: 9.0
Recorder: Dave S.		Lift time: 16:00				Wind direction / speed:
Field Staff:		General comments:				

AEM 2010
Page 1 of 1

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL ⁵	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁶	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	38	209	100		M6		Y	Net	N								
BURB	02	38	263	100	-	-	-	N	-	Y								
BURB	01	25	173	50	-	-	-	N	-	Y								
BURB	01	25	210	150	-	-	-	N	-	Y								
BURB	02	25	165	150	-	-	-	N	-	Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and line for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 164

Number of panels by mesh size (for GNS): S 13: 25: 38: 51: 76: 102: 128: E

Start location: 293 End of Net (in NAD 83): 574

Eastings: 14w 0638318 14w 0638323

Northings: 7812665 7812665

Set date: 2-Sept-2010

Set time: 17:00

Net Length (m):

Net Height (m): All are 2m

Net depth at each end (m): 1.7, 7.0

Surface temp: 9.5°C

Wind direction / speed: N/A

Recorder: Dave S

Field Staff: Paul

General comments:

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net handling / transfer)	Successfully transferred to TPL ³	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BURB	01	38mm	195	75		F2		Y	Net	N									
KKTR	02	25	146	50		Imm		Y	Net	N									
ARCH	03	25	127	56				N		Y									
RNWH	04	13	79	4g	m	M6		Y	Net	N									
RNWH	05	13	76	3g		Imm		Y	Net	N									
RNWH	06	13	78	4g				Y	Net	N									
RNWH	07	13	81	3g		Imm		Y	Net	N									
RNWH	08	13	83	4g	m	M6		Y	Net	N									
KKTR	01	25	126	75				N		Y									
ARCH	02	25	120	50				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **164** **Page 2 of 5**

Start location: **14w 0638278** End of Net (in NAD 83): **14w 0638323**

Easting: **7212993** Northing: **7212965**

Recorder: **Ryan** Field Staff: **Date**

Number of panels by mesh size (for GNS): 25 ☒ 38 ☒ 51 ☒ 76 ☒ 102 ☒ 126 ☒

Set date: **Sept 2nd / 2010** Set time: **17:00**

Net Length (m): Net Height (m): All are 2m

Net depth at each end (m): **4.5 / 7.8**

Surface temp: Wind direction / speed:

Lift date: Lift time: General comments:

B. Fish sample data

Fish sample data					These fields for every fish			Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicates if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶						
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N						
RNWH	01	13	80	25	-	Imm	-	Y	Net	N													
RNWH	02	13	75	20	-	-	-	N	-	Y													
NSSB	03	13	80	20	-	-	-	N	-	Y													
RNWH	04	13	80	25	-	Imm	-	Y	Net	N													
RNWH	05	13	80	25	-	Imm	-	Y	Net	N													
LKTR	06	25	120	100	-	-	-	N	-	Y													
LKTR	07	25	130	100	-	-	-	N	-	Y													
RNWH	08	25	155	100	-	-	-	N	-	Y													
ARCH	09	25	125	50	-	FI	-	Y	Net	N													
ARCH	10	25	140	100	-	-	-	N	-	Y													
ARCH	11	25	110	50	-	-	-	N	-	Y													
ARCH	12	25	140	50	-	-	-	N	-	Y													
ARCH	13	25	150	100	-	-	-	N	-	Y													
ARCH	14	25	135	100	-	-	-	N	-	Y													
ARCH	15	25	150	100	-	FI	-	Y	Net	N													
ARCH	16	25	145	100	-	-	-	N	-	Y													
RNWH	17	25	185	100	-	-	-	N	-	Y													
BRBB	01	38	194	50	-	-	-	N	Net	Y													
ARCH	02	38	231	125	-	FI	-	Y	Net	N													
LKTR	03	25	130	50	-	-	-	N	Net	Y													
LKTR	04	25	218	100	-	FI	-	Y	Net	N													
RNWH	05	25	147	50	-	-	-	N	Net	Y													
ARCH	06	25	135	50	-	-	-	N	Net	Y													
LKTR	07	25	138	50	-	FI	-	Y	Net	N													

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

ARCH 08 25 150 50 FI Y Net N

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **164** ~~164~~

Start location: **14W 0638278** End of Net (in NAD 83): **14W 0638323**

Easting: **7212993** Northing: **7212665**

Number of panels by mesh size (for GNS):
 15: ☒ 25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒

Set date: **Sept 2nd / 2010** Set time: **15:00 1700**

Net Length (m): **1517.8** Net Height (m) All are 2m

Net depth at each end (m): **1.5 / 7.8**

Surface temp: **15.00** Wind direction / speed: **1700**

Recorder: **Paul Dave** Lift date: **15-100** General comments:

Field Staff: **Paul Dave** Lift time:

AEM 2010
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B. Fish sample data

These fields for every fish					Field fish data ¹			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL ³	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ^{5a}	Tissue metals sample ^{5b}				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N			
LKTR	01	51	197	75	—	—	—	N	—	Y											
ARCH	02	51	207	100	—	F1	—	Y	Net	N		O/F	Pres	—	—	.93	1	Y	Large cysts on stomach		
LKTR	03	25	143	85	—	F1	—	Y	Net	N											
RNWH	04	13	74	2	—	Imm	—	Y	Net	N											
LKTR	01	51	210	225	—	—	—	N	—	Y											
ARCH	02	51	130	85	—	—	—	N	—	Y											
ARCH	03	25	125	25	—	—	—	N	—	Y											
LKTR	01	25	145	50	—	—	—	N	—	Y											
LKTR	02	38	228	125	—	M6	—	Y	Net	N											
LKTR	03	38	208	100	—	—	—	N	—	Y											
LKTR	01	25	135	25	—	F1	—	Y	Net												
RNWH	02	25	145	50	—	—	—	N	—												
LKTR	03	25	154	50	—	M6	—	Y	Net												
LKTR	04	25	138	50	—	—	—	N	—												
ARCH	05	25	140	50	—	—	—	N	—												
RNWH	06	38	213	100	—	—	—	N	—												

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan, 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 164 continued

Start location: 0638278 End of Net (in NAD 83): 0638323

Eastings: 7212993 Northings: 7212665

Recorder: Dave S Field Staff: Joe

Number of panels by mesh size (for 50s): 25 38 51 78 102 126

Set date: Sept 9th 2010 Set time: 15:00

Lift date: Sept 12th 2010 Lift time: 7:50

Net Length (m): Net Height (m): All are 2m

Net depth at each end (m): Surface temp: Wind direction / speed:

General comments:

AEM 2010
Page 4 of 5

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
LKTR	01	25	209	100	—	—	—	N		Y									
LKTR	02	25	256	156	—	—	—	N		Y									
ARCH	03	25	157	50	—	—	—	N		Y									
LKTR	04	25	125	26	—	—	—	N		Y									
ARCH	05	25	141	50	—	—	—	N		Y									
ARCH	06	25	116	25	—	—	—	N		Y									
LKTR	07	38	170	100	—	—	—	N		Y									
LKTR	08	38	127	50	—	—	—	N		X									
ARCH	09	38	138	80	—	F1	—	Y	net	N									
RNWH	10	38	108	50	—	M6	—	Y	net	N									
ARCH	01	38	211	100	—	—	—	N		Y									
ARCH	02	38	260	150	—	F1	—	Y	net	N									
RNWH	03	38	163	75	—	1mm	—	Y	net	N									
ARCH	01	25	128	50	—	—	—	N		Y									
LKTR	01	25	125	25	—	—	—	N		Y									
ARCH	02	25	147	50	—	—	—	N		Y									
ARCH	01	38	157	50	—	—	—	—		—									
ARCH	02	25	133	50	—	F1	—	Y	net	N									
RNWH	03	51	160	200	—	—	—	N		Y									
RNWH	04	51	190	200	—	—	—	N		Y									
LKTR	05	51	206	200	—	—	—	N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milong" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID.		Number of panels by mesh size (for QN's)		Net Length (m)
164 continued		13 ☒ 25 ☒ 30 ☒ 51 ☒ 76 ☒ 102 ☒ 126 ☒		
Start location		End of Net (in NAD 83)		Net Height (m) All are 2m
Eastng: 14w 0638278		14w 0638323		Net depth at each end (m): 4.5 / 7.8
Northing: 7212993		7212665		Surface temp:
Recorder: Dave S		Lit date: Sept 12 / 10		Wind direction / speed:
Field Staff:		Lit time: 7:50		General comments:

B. Fish sample data

[illegible]

Sept 12
164 M
continued
(84)

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milong" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T"

GPS on last sheet

copy - original on reverse of 16A p. 2.

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set date

Location / ID: 165		Number of panels by mesh size (for GNA):				Net Length (m):	
Start location	End of Net (in NAD 83)	25:	35:	51:	75:	102:	126:
Easting: 14W 638443	14W 638452	Set date: Sept 2nd				Net Height (m): All are 2m	
Northing: 7212891	7212969	Set time: 17:10				Net depth of each end (m): 1.3, 6.2	
Recorder: Dave		Lift date: Sept 5th				Surface temp: 10.	
Field Staff: Paul		Lift time: 16:30				Wind direction / speed:	
General comments:							

B. Fish sample data

These fields for every fish					Field fish data *			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)			
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶					
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N					
Y	LLKTR	01	25	163	75	-	M6	-	X	Net	N											
	RNWH	01	76	345	350	-	F2	-	Y	Net	N		O/F	4.93	21.65	3.80	4.01	Y	Y			
Y																						
											</											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milting" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

**Dave was checking daily ^{each 24 hrs.} but only marking when nets caught fish*

Location / ID: 166

Start location: 14W 0638325

End of Net (in NAD 83): 0638310

Number of panels by mesh size (for GNs): 25: 38: 51: 75: 102: 126:

Set date: Sept 2nd 2010

Set time: 14:55

Net Length (m):

Net Height (m): All are 2m

Net depth at each end (m): 2d: 6:0m

Nothing: 7212838 7212761

Set time: 14:55

Surface temp: 10°C

Recorder: Paul

Lift date: Sept 8th

Wind direction / speed:

Field Staff: Dave

Lift time: 15:25

General comments:

AEM 2010
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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Not handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N				
ARCH	01	25	130	50	—	—	—	N	—	Y											
ARCH	02	25	170	100	—	—	—	N	—	Y											
BURB	03	38	220	100	—	—	—	N	—	Y											
BURB	01	38	212	100	—	—	—	N		Y											
BURB	02	38	191	100	—	—	—	N		Y											
no catch.																					
																				</	

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear net data

AEM 2010
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Location / ID:	167		Number of panels by mesh size (for GNS):	25: ✓ 38: ✓ 51: ✓ 76: ✓ 102: ✓ 126: ✓ E	Net Length (m):
Start location	End of Net (in NAD 83)	Set date: Sept 2nd			Net Height (m): All are 2m
Easting:	0639439	14W 0638358	Set time:	15:00	Net depth at each end (m): 6.2 / 8.7
Northing:	7212894	7212764	Set time:	15:00	Surface temp: 9.0
Recorder:	Dave		Lift date:	Sept 6, 2010	Wind direction / speed: N:1
Field Staff:	Dawn		Lift time:	8:45 AM	General comments:

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (No/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N		
BWRB	01	38	228	100	-	-	-	N	-	Y										
ARCH	02	38	185	100	-	-	-	N	-	Y										
KRWH	03	51	170	50	-	-	-	N	-	Y										
DATA	01	51	245	125	-	-	-	N	-	Y										
BWRB	01	38	215	100	-	-	-	N	-	Y										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

AEM 2010

A. Gear set data

Location / ID:	168		Number of panels by mesh size (for GNE):	5 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 128: E		Net Length (m)	
Start location	End of Net (in NAD 83)	304	Set date:	Sept 6 th		Net Height (m): All are 2m	
Easting	14w 0638319	14w 0638375	Set time:	15:50		Net depth at each end (m)	45 / 102
Northing	7212785	7212843	Lift date:	Sept 7 th		Surface temp:	
Recorder:	Dave S		Lift time:	11:00		Wind direction / speed:	
Field Staff:	Paul		General comments:				

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
BURB	01	38	205	100	-	-	-	N		Y								
BURB	02	25	152	50	-	-	-	N		Y								
BURB	03	38	182	100	-	-	-	N		Y								
BURB	01	25	170	75	-	-	-	N		Y								
BURB	02	25	165	75	-	-	-	N		Y								
BURB	03	25	145	50	-	-	-	N		Y								
	NO	CATCH																

Notes: 1 See mesh size options in section A. 2 Fork length for trout, char and whitefish; total for all others. 3 Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5 Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

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Meadowbank Division

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

AEM 2010

A. Gear set data

Location / ID: 169		Number of panels by mesh size (for CPUE)				Net Length (m):	
Start location	End of Net (in NAD 83)	25	38	51	76	102	126
Easting	14w 06 38 840	14w 06 38 417	Set date: Sept 8th, 2010				Net Height (m) All are 2m
Northing	721 27 25	721 27 83	Set time: 15:30				Net depth at each end (m): 11.3 / 7.5
Recorder:	Dave S	Lift date: Sept 17, 2010				Surface temp:	
Field Staff:	Joe	Lift time: 0932				Wind direction / speed:	
General comments							

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁶	Tissue metals sample ⁷		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BURB	01	38	215	75	-	F11	-	Y	Net	N									
Burb	01	38	225	150	-	-	-	N	-	Y									
BURB	02	38	220	125	-	-	-	N	-	Y									
BURB	01	38	201	55	-	-	-	N	-	Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "mating" for most fish, 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 8/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

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Meadowbank Division

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID:	BL169		Number of panels by mesh size (for gill):		Net Length (m):
Start location:	14W	End of line (in NAD 83):	25	120	Net Height (m): all are 2m
Setting:	063848	063849	Set date:		Net depth at each end (m):
Starting:	7216725	7217783	Set time:		Surface temp:
Recorder:			U/R date:		Wind direction / speed:
Field Site:			U/R time:	General comments:	

B. Fish sample data

Fish sample data				Field fish data				Fish Transfer				Lab Analysis: Biological Assessment						Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % full) & contents - indicate if preserved for bioassess	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver muscle sample?	Tissue metals sample?	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
BUFF	01	38	210	50	-	-	-	N		N								
									</									

Notes: 1. See mesh size column in section A. 2. Fork length (for trout, char and whitefish) and total length (for all others). 3. Fill out details for sex, repro status and maturity based on "nothing" for most fish. 4. Stomach and liver for LT and AC; stomachs only for burbot and whitefish, none for sculpins or acidheads. 5. Some stomachs to be processed in DELT, some to be sent to IED - see plan. MF: Liver sample should be coded as "fish sample 10" + "1". Tissue samples should be coded as "fish sample 10" + "1".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **140**

Start location: **665** End of Net (in MAD 83): **566** Number of panels by mesh size (for GNS):
 E 25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒ Net Length (m):
 Easting: **14W0638502** Northing: **14W0638561** Set date: **03-09-2010** Net Height (m): All are 2m
 Recorder: **NW3** Set time: **9:10** Net depth at each end (m): **5.0, 4.9**
 Field Staff: **21 ME** Lift date: **04-09-2010** Surface temp: **10°C**
 Lift time: **8:55** Wind direction / speed: **NO WIND / 5-10 SE Wind**

General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer				Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N				
LKTR	01	25	125	25	M	6		Y	Net	N											
ARCH	02	25	120	25				N		Y											
BURB	03	38	255	100				N		Y											
LKTR	04	38	240	100				N		Y											
LKTR	05	51	295	220	F	1		Y	Net	N		fec 10.27			232	Y	6/6				
ARCH	06	51	270	150				N		Y							unable to r				
												</									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "mating" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 171

Start location: 567 End of Net (in NAD 83): 568

Easting: 14W0638592 14W0638638

Northing: 7212441 7212581

Recorder: NW

Field Staff: 21, MT

Number of panels by mesh size (for GNS): E 25 38 51 76 102 126: S

Set date: 03-09-2010

Set time: 10:02

Lift date: 04-09-2010

Lift time: 9:31

General comments:

Net Length (m):

Net Height (m): All are 2m

Net depth at each end (m): 5.9 6.7

Surface temp: 10°C

Wind direction / speed: No wind / 5-10 SE

AEM 2010

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B. Fish sample data

These fields for every fish					Field fish data *			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death ³ (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
AREH	01	25	130	25	F	2		Y	Net			pec	0.44	7.09	0.23	✓	5/3	Dwarf	
RNWH	02	51	230	100				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AO, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

A. Gear set data		Location / ID: 172		Number of panels by mesh size (for GNS): E 25: 38: 51: 76: 102: 126: 5		Net Length (m):	
Start location: 569		End of Net (in NAD 83): 570				Net Height (m): All are 2m	
Easting: 14W0638791		14W0638575		Set date: 03-09-2010		Net depth at each end (m): 4.2 2.0	
Northing: 7213460		2213342		Set time: 10:27		Surface temp: 10°C	
Recorder: NW				Lift date: 04-09-2010		Wind direction / speed: NW / 12	
Field Staff: 21, MT				Lift time: 10:08		General comments:	

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B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "miking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan B7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

	Meas	B
(A) Run @ 14:04 on 09-29-2010	A. Ge Locat	
	Easin	
	Northe	
	Recon	
	Field S	
(B) Run @ 16:20 05-09-2010		
	B. Fis	
	Spec	
(C) Run @ 15:19 on 06-09-2010		

Q

3 par

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Location / ID: 173		Number of panels by mesh size (for GNS):		Net Length (m):	
Start location: 595	End of Net (In NAD 83): 596	51: ☒ 76: ☒ 102: ☒		Net Height (m): All are 2m	
Easting: 14W0638394	14W0638411	Set date: 03-09-2010		Net depth at each end (m): 2618.7	
Northing: 7212394	7212348	Set time: 15:00 PM		Surface temp. 10°C	
Recorder: NW	Lift date: 7 sept 2010	General comments		Wind direction / speed: 10-15	
Field Sta #: 21, MT	Lift time: 1540				

Ge + 5Pst + 1
depth
51 - me

Run 05:19
on 06-09-2010
(C)

These fields for every fish					Field fish data ³			Fish Transfer				Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death ⁴ (Net/handling/transfer)	Successfully transferred to TPL?		Aging Structure	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ^{5a}	Tissue metals sample ^{5b}	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N	
No fish																			
DRNWH	01	51	250	200				N		Y									
No fish																			
No fish																			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC. otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Mar 2011

Meadowbank Division

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Get Gps +
Depth!
Round 2 (bio) (B)
05-09-2010

Bay-Goose Basin Fish-out 2010

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID	174		Number of panels by mesh size (for GNs)	Net Length (m)
Start location	593	End of Net (in NAD 83)	5 25 38 51 76 102 126	Net Height (m). All are 2m
Easting	14W0639100	14W0639100	Set date: 03-09-2010	Net depth at each end (m): 3.1, 5.8
Northing	7213063	7212638	Set time: PM	Surface temp: 10°C
Recorder	NW		Lift date: Sept 06, 2010	Wind direction / speed
Field Staff	Z1, MT		Lift time: 15:30	General comments

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment									Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death. (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - Indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
No fish																				
ARCH	01	25	160	50	F	1		Y	Net	N										
ARCH	02	25	135	50				N		Y										
ARCH	01	25	108	25				N		Y										
ARCH	02	25	148	25				N		Y										
ARCH	03	25	143	25				N		Y								Dwarf		
ARCH	04	25	130	25				N		Y										
Burb	05	38	200	75	F	1		Y	Net	N										
Burb	06	51	240	175				N		Y										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milding" for most fish. 4. otoliths and fins for LT and AC; otoliths only for burbot and whitefish; none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

(R)

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 175

Start location: 14W0638745

End of Net (in NAD 83): 576

Number of panels by mesh size (for CH): Sweed 576

Net Length (m): 576

Net Height (m): All are 2m

Net depth at each end (m): 423.8

Set date: 03-09-2010

Set time: 15:40

Surface temp: 10°C

Wind direction / speed: No Wind

Recorder: NW

Lift date: 8 Sept 2010

Lift time: 1830

Field Staff: 21 MT

General comments:

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Run 2 14:45
04-09-2010Run 2 16:27
05-09-2010

B. Fish sample data

05-09

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
LKTR	01	Sweed	225	100				N		Y									
RNWH	02	Sweed	75	10	M	6		Y	Net	N									
RNWH	03	Sweed	80	10	Imm			Y	Net	N									
RNWH	04	Sweed	70	10	F	1		Y	Net	N									
RNWH	05	Sweed	95	10	F	1		Y	Net	N									
RNWH	06	Sweed	80	8	F	1		Y	Net	N									
NSSB	01	Sweed	65	10	Imm			Y	Net										
RNWH	01	Sweed	80	10				N		Y									
RNWH	02	Sweed	85	10	M	6		Y	Net	N									
LKTR	03	Sweed	290	100				N		Y									
RNWH	04	Sweed	80	10	Chewed up no inside			Y	Net	N									
LKTR	05	Sweed	300	200				N		Y									
RNWH	01	Sweed	74	10		F2		Y	Net	N									
NO FISH																			

Run 2
16:27
06-09-2010

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID		Number of panels by mesh size (for SNA):		Net Length (m):
126		5 25: 38: 51: 76: 102: 126: E		Net Height (m) All are 2m
Start location	577	End of Net (in NAD 83)	578	Net depth at each end (m) 6.75.7
Easting:	14W0638809	14W0638901	Set date: 03-09-2010	Surface temp 10°C
Northing:	7212839	7212920	Set time 16:00	Wind direction / speed: Now in 2
Recorder:	NW	Lift date:	06-09-2010	
Field Staff:	21 MT	Lift time:	1425	General comments:

(A) RNA 19:35

04-09-2010

Run at 14:13

5) 05-09-2010

B. Fish sample data

5. Fish sample data																			
These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL ²	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver: metals sample ⁵	Tissue: metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N		Y/N
ARCH	01	38	180	50				N		Y									
LKTR	02	38	185	100	F	1		Y	Net	N									
NO fish																			
NO fish																			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 8/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

(R)

PM

Y-Y

6PAC

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set date

Location / ID	177	Number of panels by mesh size (for GNE)	E 25 38 61 78 102 125	Net Length (m)	
Start location	579	End of Net (in NAD 83)	580	Net Height (m) All are 2m	
Easting	14W0638778		14W0638714	Net depth at each end (m)	7.0 / 5.1
Northing	7212340		7212967	Surface temp	10°C
Recorder	NW	Lift date	03-09-2010	Wind direction / speed	Nowind
Field Staff	21, MT	Lift time	1520	General comments	

Page 1 of 1

R2 14:39

On 05-09-2010

R2 16:11

On 06-09-2010

B. Fish sample data

These fields for every fish					Field fish data?			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ³	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(g)				Y/N	Y/N	
	NO CATCH																	

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

A. Gear set data			
Location / ID.	78	Number of panels by mesh size (kg/m ²)	Net Length (m)
Start location	End of Net (in NAD 83)	25 38	Net Height (m): All are 2m
Easting:	14W0638909	Set date	Net depth at each end (m): 25.74
Northing:	7213087	Set time:	Surface temp: 10°C
Recorder:	NW	Lift date:	Wind direction / speed
Field Staff:	BI, MT	Lift time:	General comments.

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L" Tissue samples should be coded as "fish sample ID" + "T"

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID:	179	Number of panels by mesh size (for GNA):	6: 25 38: 1/51 76: 1/102 128: 1/5	Net Length (m):	
Start location	583	End of Net (in NAD 83)	584	Net Height (m):	All are 2m
Easting	14W0638646		14W0638582	Net depth at each end (m):	2.7, 4.4
Northing	7212736		7212607	Surface temp:	10°C
Recorder	AM	Set date:	04-09-2010	Wind direction / speed:	5-10 SE Wind
Field Staff:	MT, ZI	Set time:	8:45	Lift date:	8 Sept 2010
		Lift time:	0915	General comments:	

B. Fish sample data

06-09

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
ARCH	01	38	165	25				N		Y									
ARCH	02	25	150	20				N		Y									
	01	51	185	200				N		Y									
ARCH	07	38	170	70				N		Y									
ARCH	01	25	120	25				N		Y									
ARCH	02	25	120	25				N		Y									
ARCH	03	25	120	25				N		Y									
LKTR	04	38	174	75				N		Y									
LKTR	05	38	169	70				N		Y									
ARCH	06	38	125	25				N		Y									
ARCH	07	38	165	60				N		Y									
ARCH	08	76	124	25				N		Y									
NO fish																			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Run 2912
05-09-2010
Run 2906
06-09-2010

Pulled because
no - was - tissue.

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 180

Start location: 14W 06 38 590 End of Net (in NAD 83): 14W 06 38 537

Eastings: 721 3046 Northings: 721 3002

Recorder: Dave S Field Staff: Joe

Number of panels by mesh size (for GNA): 25' ✓ 38' ✓ 51' ✓ 76' 102 126

Set date: Sept 8th Set time: 17:00

Lift date: Sept 12th Lift time: 08:15

Net Length (m): Net Height (m): All are 2m Net depth at each end (m): 92/11.4

Surface temp: 11.2 Wind direction & speed: NE

General comments:

AEM 2010
Page 1 of 3

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	25	155	75	—	M6	—	Y	Net	N								
RNWH	02	38	198	100	—	M6	—	Y	Net	N								
LKTR	01	25	128	50	—	—	—											
RNWH	02	25	163	100	—	F1	—	Y	NET	N								
LKTR	03	38	195	125	—	—	—											
LKTR	04	38	230	175	—	—	—											
ARCH	01	38	158	30	—	F4	—	Y	NET	N								
ARCH	02	38	190	75	—	M6	—	Y	NET	N								
RNWH	01	38	303	325	—	M10	—	Y										
LKTR	02	25	191	125	—	—	—											
BURB	03	25	271	175	—	—	—											
RNWH	04	25	315	375	—	M7	—	Y	NET	N	prez	8.87			324	Y	Y	parasites ms branch
ARCH	05	25	115	25	—	—	—											
RNWH	01	25mm	150	50	—	M6	—	Y	NET	N								
LKTR	02	25mm	130	50	—	—	—	Y										
LKTR	03	38mm	187	100	—	—	—	Y										
RNWH	04	51mm	245	150	—	—	—	Y										
Burb	01	25	180	25	—	—	—	Y										
Q. J. Arch.																		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Location: Bay-Goose in Fish-out 2010

Start location: 14W 0638590 End of Net (in NAD 83): 14W 0638537

Number of panels (m): 25 30 51 75 102 126

Net length (m):

Net height (net AD are 2m)

Net depth at open end (m):

Surface temp:

Wind direction / speed:

General comments:

Mar 2011

JAN 2010

Meadowbank Division 3

B. Fish sample data

These fields for every fish					Field fish data				Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if/heading transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % full) & contents - evaluate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample?	Tissue metals sample?		
BURB	001	85	150	50	-	ML	-	N	net	N							Y/N	Y/N	
BURB	002	34	225	100	-			N		Y									
Catch																			
												</							

Notes: 1. See mesh size columns in section A. 2. Fork length for trout, coar and whitefish; total for all others. 3. Fill sex fields for sex, repro status and maturity based on "Muns" for trout. 4. Growth and sex for LT and AC, older only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - use plus (-) / minus (-) / over sample should be coded as "lab sample ID" - "L". Tissue samples should be coded as "tiss sample ID" - "T".

Bay-Goose Basin Fish-out 2010

Location / 10

B. Fish sample data

Notes: 1. See mesh size outlines in section A. 2. Fork length for brook char and whitefish tail for all others. 3. Fill out fields for sex, reproductive status and maturity based on "mKey" for most fish. 4. Scales and fins for LT and AC; scales only for burbot and whitefish; none for carp or sculpin. 5. Some whitefish to be processed in field: same-to be kept as fish - see plan. 6/7. Liver sample should be coded as "liver sample ID" + "T". Tissue samples should be coded as "tissue sample ID" + "T".

Mar 2011

Meadowbank Division

Bay-Goose Basin Fish-out 2010

Meadowbank Division, Fish-out 2010, Please Print Data Above

A. Gear set data

Location / ID	BL181		Number of panels by mesh size (for GNA)		Net Length (m)
Start location	End of Net (in NAD 83)	25'	36'	51'	75'
Backlog	14W 0638420	14W 0638491	Set date	Net Height (m) All are 2m	
Netting	7212960	7212983	Set time	Net depth at each end (m)	
Recorder			Set date	Surface temp	
Field Staff			Net date	Wind direction / speed	
			General comments		

Page 2 of 2
MFM 2010

B. Fish sample data

These fields for every fish				Field fish data			Fish Transfer			Lab Analysis: Biological Assessment								Comments (excluding results of internal examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if handling number)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % fat) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver nuclei sample?	Tissue nuclei sample?	
		(mm)	(mm)	(g)	NAF	Code	Code	YN		YN	Tag #	Code(s)				YN	YN	
	Q Catch																	
	Q catch																	
												</						

Notes: 1. Sex: male (see caption in section A). 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "othering" for most fish. 4. outline and tag for LT and AD, outlines only for brook and whitefish. notes for scallops or stonehacks. 5. Some stomachs to be processed in lab, some to be sent to lab - see plan. 6/7. One sample should be coded as "fish sample 10" + "1".

BL181 D
Sept. 16/10
1403
10°CBL181 E
Sept. 17/10
0915
9.0°C
pulled

1052

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 158 182		Number of panels by mesh size (for GNE): 25' ☒ 38' ☒ 51' ☒ 75' ☒ 102' ☒ 126' ☒ 3		Net Length (m):
Start location:	End of Net (in NAD 83):	Set date: Sept 8, 2010		Net Height (m) All are 2m
Easting: 14W 0638277	14W 0638402	Set time: 16:00		Net depth at each end (m):
Northing: 7212910	7212842	Lift date: Sept 17, 2010		Surface temp: 10°C
Recorder: Dave S	Lift time: 0850	General comments:		Wind direction / speed:
Field Staff: Joe				

AEM 2010
Page 1 of 2

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net / handling / trauma)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	38	576	1700	J	-	-	N		Y	40270							
Burb	01	38	282	150	J	-	-	N		Y								
Burb	01	38	220	125	J	-	-	N		Y								
Burb	01	51	262	150	J	-	-	N		Y								
No CATCH																		
Burb	01	38	195	51	-	FZ	-	Y	Net	N								
LKTR	02	51	145	75	-	-	-	N		Y								
CATCH																		
CATCH																		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Mar 2011

Meadowbank Division

Bay of Goose Basin Fish-out 2010

Headed by: [illegible]

A. Gear set date

Location / ID	BURB		Number of fish by mesh size (for GWS)	Net Length (m)
Start location	End of Net (in NAO WS)	Set date	Set time	Net depth at each end (m)
Ending	14W 0638277	14W 0638402	25 38 51 76 102 128	Surface temp
Netting	7212910	7212847	UT date	Wind direction / speed
Recorder			General comments	
Field Staff				

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment						Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if/when transferred)	Successfully transferred to TPL?	Age (if Stomach)	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver sample?		Tissue metal sample?
AKCH	01	25	118	15	-	-	-	N		Y								
BURB	02	38	221	25	-	-	-	N		Y								
BURB	03	38	185	15	-	MP	-	Y	net	N								
BURB	01	38	220	100	-	-	-	N		Y								
BURB	02	38	207	75	-	-	-	N		Y								

Notes: 1. See mesh size options in section A. 2. Field length for broad, char and whitefish; total for all others. 3. Fill out dates for sex, reproductive status and maturity based on "maturity" for most fish. 4. weight & end time for LT and AG. indicate why for burbot and whitefish. 5. Some specimens to be preserved in 10% formalin, some to be sent to lab - see plan. 6. Liver sample should be noted as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Division

LEONARD I. J.

[illegible]

B. Fish sample data

These fields for every fish				Field fish data *			Fish Transfer			Lab Analysis: Biological Assessment								Comments including results of internal / external examinations including OELT
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (if eu handling/ transfer)	Superficially transferred to TPL?	Agency Signature ³	Gut contents weight (or % body & contents - indicate if preserved for taxonomy)	Ovary weight (g)	Weight of 100 eggs	Uter Weight (g)	Liver: metabolic sample ⁴	Tissue: metals sample ⁴	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	76	225	150				N		Y								
RNWH	02	85	146	85				N		Y								
LKTR	01	25	165	45	-	M6	-	Y	Net	N								
ARCH	02	25	124	25	-	-	-	N		Y								
LKTR	01	25	122	25	-	-	-	N		Y								
RNWH	01	57	233	100				N		Y								
ARCH	01	25	123	25				N		Y								

Notes: 1. See mesh size outlines in section A. 2. Fork length for trout, char and whitefish total for all strata. 3. Fit all tanks for age, reproductive status and maturity based on "maturity" for most fish, 4. weights and fish for LT and AC, positive only for brown and whitefish. None for sculpin or rainbow. 5. Some stomachs to be processed in field, some to be sent to lab - see para #9. Liver sample should be collected as "fish sample 0" = "L". Tissue samples should be coded as "fish sample 0" = "T".

Bay-Goose Basin Fish-out 2010

Mar 2011
Meadowbank Division

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL183**

Start location: **14W 0638407** End of Net (in NAD 83): **14W 0638336**

Ending: **7212943** 7213072

Number of panels (approximate for GHG): **38 51 75 100 128**

Net length (m): **2.2**

Net height (m): **2m**

Net depth at each end (m): **/**

Set date: **/**

Set time: **/**

Surf temp: **/**

Wind direction / speed: **/**

General comments: **/**

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer				Lab Analysis: Biological Assessment						Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if/when handling / transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % gut) & contents - indicate if preserved for taxonomy	Cherry weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample?	Tissue metals sample?	
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LETR	01	25	290	250	—	—	—	N		Y								
ARCH	02	25	136	50	—	M7	—	X	transfer	N		DWAF						
ARCH	03	25	126	40	—	—	—	N		Y								
LETR	01	25	150	150	—	M6	—	X	net	N								

Notes: 1. See mesh size column in section A. 2. Fork length for trout, charr and whitefish; total for all others. 3. FR sex fields for sex, repro status and maturity based on "mfpw" for most fish. 4. Stomach and tag for LT and AC studies only for brown and whitefish - none for sculpin or cutthroat. 5. Stomach contents to be preserved in field - some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample 10" + "L". Tissue samples should be coded as "fish sample 10" + "T".

Sept. 16/10
Minnow traps
checked @ 1431
Q catch
in both

1 of 2

51, 38, 25, + smelt

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location TID:	184	Start location:	318	End of Net (of NAD 83):	14W 0638 324	Number of passes by mesh size (for CPUE):	25, 38, 25, 5	Net Length (m):	120
Starting:	14W 0638 324	End of Net (of NAD 83):	14W 0638 324	Set date:	Sept 12th	Set time:	8:00	Net depth (m):	2m
Recording:	221 2644	End of Net (of NAD 83):	221 2643	Set time:	8:00	Set time:	8:00	Net depth at each end (m):	7.5
Recorder:	Dee S	Set date:	Sept 12th	Set time:	8:00	Set time:	8:00	Surface temp:	8
Field Site:	See	Set date:	Sept 12th	Set time:	8:00	Set time:	8:00	Wind direction / speed:	

AEN 2010
Page 1 of 2

B. Fish sample data

These fields for every fish					Field fish data ¹			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ²	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Course of Death (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure	Gross weight (or % fat) & substrate - include if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver whole sample ³	Tissue subsample ³		
		(mm)	(mm)	(g)	MP	Code	Date	YN		YN	Tag #	Code(s)				YN	YN		
ARCH	01	25	154	100				N		Y									
ARCH	02	25	131	75				N		Y									
ARCH	03	25	128	50				N		Y									
ARCH	04	25	129	50				N		Y									
RNWH	05	38	180	125				N		Y									
BURB	06	38	298	250				N		Y									
BURB	01	28	195	175	-		-	N		Y									
RNWH	02	38	170	50	-	M6	-	N	Net	Y									
RNWH	03	13	178	5	-		-	N		Y									
RNWH	04	13	85	5	-	F2	-	N	Net	Y									

Notes: 1. Size mesh size columns in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "maturity" for most fish. 4. Ovarys and fins for LT and AC, oviducts only for brook and whitefish, none for sticklebacks or ciscoes. 5. Some oviducts to be processed in lab, some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Minnow trap #1
in @ 1650
14W 0638 288
7212611

Minnow trap #2
in @ 1645
14W 0638 284
7212641

Bay-Goose Basin Fish-out 2010

Mar 2011
Meadowbank Division

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID

BL184

Start location: **14W N 38324** End of Net (to NAD 83): **14W N 38324**

Endings: **7212694** **7212613**

Setting: **7212694** **7212613**

Recorder: _____

Field Staff: _____

Number of panels by mesh size (10'-0" to 12'-0"):

25'	30'	50'	75'	100'	125'

Net Length (m): _____

Net Height (m) All are 2m

Net depth at each end (m): _____

Surface time: _____

Wind direction / speed: _____

General Comments: _____

B. Fish sample data

These fields for every fish					Field fish data				Fish Transfer			Lab Analytic / Biological Assessment						Comments including results of internal / external examinations including DELT
Species Code	Sample ID or Number	Mouth Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Shortest weight (or % fat) & comments - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver sample ⁵	Tissue sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
RNWH	01	13	80	5	-	MM	-	Y	net	N								
RNWH	02	13	80	5	-	MM	-	Y	net	N								
RNWH	03	13	79	5	-	MM	-	Y	net	N								
RNWH	04	13	65	3	-	MM	-	Y	net	N								
RNWH	05	13	70	3	-	N/A	-	Y	net	N								
Catch																		

Notes: 1. See mesh size columns in section A. 2. Fork length Antroral, phar and venteral; total for all species. 3. Fill out fields for sex, repro status and maturity based on "looking" for event fish. 4. Scallops and Seta for LT and AC. 5. Seta only for burbot and whitefish. 6. Need for sculpin or sculpin. 7. Same comments to be preserved in field - some may be sent to lab - see plan. 8. Liver sample should be coded as "less sample ID" = "1". Tissue samples should be coded as "fish sample ID" = "1".

Bay-Goose Basin Fish-out 2010

Wade County Project: Fish-Out CPUE Phase Data Sheet

Mar 2011
Meadowbank Division

A. Gear set data

Location / ID: **BL185**

Start location: **WM 322** End of Net: **WM 323** Net Length (m): **150**

Setting: **HW 0638237** **HW 0638892** Set date: **Sept. 17/10** Net depth at each end (m): **2m / 6.7m**

Nothing: **7213045** **7212899** Set time: **1437** Surface temp: **9.0°C**

Recorder: **YM** Lift date: **Sept 29/10** Wind direction / speed: **10 km/hr NNW**

Field Staff: **YM, RG** Lift time: **0951** General comments:

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer				Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mouth Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Nail handling/transfer)	Successfully transferred to TPL?	Ageing Structure	Stomach weight (g) (± % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver weight (g)	Liver mass: sample?	Tissue mass: sample?		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
ARCH	01	38	176	100	—	—	—	N		Y									
LKTR	02	25	168	95	—	—	—	N		Y									
ARCH	01	25	135	50	—	—	—	N		Y									
LKTR	02	38	205	105	—	MB	—	Y	net	N									
ARCH	03	38	205	105	—	FI	—	Y	net	N	*	OF 2.0							
catch																			
ARCH	01	25	160	25	—	FS	—	Y	Net	N									
ARCH	02	25	126	15	—	—	—	N		Y									
LKTR	03	25	155	25	—	FI	—	Y	net	N									
Dwarf (absorbing eggs; not going to spawn)																			
LKTR	01	76	345	475	—	—	—	YN		Y	48268								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Clutches and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID		BL185		Number of panels by mesh size (for GNet)		Net Length (m)	
	Start location	End of Net (in NAD 83)	25 38 51 76 102 126		Net Height (m): All are 2m		
Easting:	14W 0638237	14W 0638297	Set date:		Net depth at each end (m):		
Northing:	7218245	7212899	Set time:		Surface temp.		
Recorder		Lift date:		Wind direction / speed:			
Field Staff		Lift time:		General comments			

AEM 2010
Page 7 of 7

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

* not sampled Sept 28.

Bay-Goose Basin Fish-out 2010

A. Gear set data

Location ID	BL186		Number of panels or mesh size (for CNE)	150 yrd	
Start location	Wpt 324	End of Net	Wpt 325	Set date	Sept. 17/10
Fishing	14W 0638382	14W 0638455	Set time	1452	Net depth at start and end (m)
Northing	7212724	7212847	Surface temp	9.0°C	Wind direction / speed
Recorder	YM	Field date	04 Oct 2010	General comments	10 km/hr NNW
Field Staff	YM, RG	Li's time	1740		

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Fish Analysis Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mean Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (not handling related)	Successfully transferred to TMS?	Aglyc Structure	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver matrix sample?	Tissue matrix sample?		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
BL186A Sept. 16/10 0817 6.0°C																			
Catch																			
BL186B Sept. 17/10 0819 6.5°C																			
RNWH	01	38	170	100	-	-	-	N		Y									
BURB	02	38	189	85	-	-	-	N		Y									
BL186C Sept. 20/10 0813 7.0°C																			
RNWH	01	38	170	50	-	M6	-	Y	net	N									
RNWH	02	38	195	55	-	F1	-	Y	net	N									
RNWH	03	38	167	30	-	M6	-	Y	net	N									
LKTR	04	38	170	60	-	-	-	N		Y									
BURB	05	38	216	75	-	-	-	N		Y									
BL186D Sept. 21/10 0814 7.0°C																			
BURB	01	38	182	50	-	-	-	N		Y									
LKTR	02	51	275	206	-	-	-	N		Y									
BL186E Sept. 22/10 0806 7.0°C																			
LKTR	01	38	196	78	-	-	-	N		Y									

Notes: 1. Sex from size options in section A. 2. Fork length for trout, char and tuckalee; total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "mink ng" for most fish. 4. Otoliths are a fins for LT and AG, otoliths only for BURB and whitefish, none for pelecans or sticklebacks. 5. Some stomachs to be processed in lab, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. ~~Brook~~ Goose Basin Fish-out 2010

Meadowbank Division

Location / ID	3 L186		Number of panels by mesh size (for GNs)	Net length (m)
Start location	End of Net	in NAD 83	25 38 51 78 102 126	Net Height (m): All are 26.
Easting	14W 0638882	0638455	Set date	Sept 17/2010
Northing	7212724	7212847	Set time	1452
Recorder	Yhanna / Suu		Lift date	Oct 04 / 2010
Field Staff			Lift time	1740
			General comments	

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment									
Synops Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver weight (g)	Liver metals sample?	Tissue metals sample?	Comments (including results of internal / external examinations including DET)		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N		
BURB	01	38	213	70	-	-	-	N		Y										
RNNH	02	38	201	80	-	F1	-	Y	net	N										
BURB	01	38	205	60	-	-	-	N		Y										
LKTR	02	38	205	80	-	M6	-	Y	net	N										
RNNH	03	38	171	48	-	M6	-	Y	net	N										
RNNH	04	38	170	42	-	-	-	N		Y										
LKTR	05	38	180	80	-	-	-	N		Y										
ARCH	01	25	120	20	-	-	-	N		Y										
LKTR	02	38	181	60	-	-	-	N		Y										
LKTR	03	38	189	75	-	-	-	N		Y										
RNNH	04	38	185	50	-	F1	-	N	net	N										
LKTR	05	38	283	250	-	-	-	N		Y										
ARCH	01	38	201	62	-	-	-	N		Y										
LKTR	01	38	182	66	-	-	-	N		Y										
BURB	01	25	237	60	-	-	-	N		Y										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. For outfields for sex, repro status and maturity based on "aging" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or stickleback. Some fish are to be processed in field, some are sent to lab. See plan 87. 5. Sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

A. Gear set data

Location / ID		186		Number of panels by mesh size (for GNS)		25 30 51 76 102 126		Net Length (m)	
Start location		End of Net (in NAD 83)						Net Height (m) All are 2m	
Easting		14W 0638382		14W 0638455		Set date		Net depth at each end (m)	
Northing		7212724		7212847		Set time		Surface temp	
Recorder		Sue		Lift date		Wind direction / speed			
Field Staff		Sue + Zack		Lift time		General comments			

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer				Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N	
RNVH	03	51	320	335				N	-	Y	-								
LKTR	01	38	170	44				N	-	Y									
RNVH	02	25	110	14				N	-	Y									
RNVH	03	25	120	20				N	-	Y									
NO CATCH.																			
ARCH	01	25	121	16				N		Y									
ARCH	02	25	98	11				N		Y									
ARCH	03	38	109	52				N		Y									

Notes: 1. See mesh size options in section A.2. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "marking" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

Meadowbank Project Fish-out CPUE Phase Field Data Sheet

A. Gear set data

Location ID: **B1187** Number of panels by mesh size (in GMS): **Sweede** 25 38 51 75 102 125
 Start location: **Wpt 326** End of Net: **Wpt 327** **Sweede** 25 38 51 75 102 125
 Easting: **14W 0638368** Northing: **7213030** Set date: **Sept. 17/10** Set time: **1507**
 Recorder: **Ym** Lift date: **Sept 29, 2010** Lift time: **1550**
 Field Staff: **Ym, Rg** Gearset comments: **75 yrd + Sweede**
 Net length (m): **75 yrd + Sweede** Net height (m): **1.3**
 Net depth at each end (m): **4.2 ft / 18.5 ft** Surface temp: **9.0°C**
 Wind direction: speed: **NNW ~10km/hr**

B. Fish sample data

Thane fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal/external examinations including DEL)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/handling/transfer)	Successfully transferred to TFL?	Aging Structure	Stomach weight (or % full) & contents - indicate if preserved for taxidermy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver moles sample?	Tissue moles sample?				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N				
RNWH	01	13	68	3	-	1mm	-	Y	net	N											
RNWH	02	13	72	3	-	1mm	-	Y	net	N											
RNWH	03	13	67	3	-	1mm	-	Y	net	N											
RNWH	04	25	147	125	-	M6	-	Y	net	N											
RNWH	05	38	166	150	-	-	-	N		Y											
RNWH	01	13	81	3	-	M7	-	Y	net	N											
RNWH	02	13	84	2	-	1mm	-	Y	net	N											
RNWH	03	13	70	2	-	1mm	-	Y	net	N											
NSST	04	13	56	2	-	1mm	-	Y	net	N											
RNWH	05	13	79	2	-	-	-	Y		Y											
LRTR	06	25	125	25	-	M6	-	Y	net	N											
RNWH	01	12.5	65	2	-	1mm	-	Y	net	N											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fish out fields for sex, repro status and maturity based on "milking" for most fish, 4. crechis and 5. for LY are AG, elatins only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plate. 6/7. Liver sample should be coded as "Fish sample ID" + "L". Tissue samples should be coded as "Fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

Mar 2011
Meadowbank Division

Meadowbank Project: Fish-Out CPUE Phase Final Data Sheet

A. Gear set date

Location ID

BL188

Number of panels by mesh size (for 100%)

25 35 51 78 102 125

Net Length (m)

75 yds

Page 1 of 1

Start location wpt. 338

End of Net in MAG 89 wpt. 339

Set date

Sept 17/10

Net Haul (m) After 2m

7.4

9.8

Ending

14w 0638384

14w 0638342

Set time

1520

Net depth (m) and 1m

24.3 ft / 32.1 ft

Net type

721254

721275

Set time

1520

Surface temp

9°C

Recorder

YM.

Set date

Sept 21/2010

Wind direction / speed

10 km/hr NNW

Field Staff

YM, BG

Set time

0857

General comments

B. Fish sample data

Yank fields for every fish				Field Data				Fish Transfer				Lab Analysis Biological Assessment							Comments (including results of internal / external examinations including DEL)
Species Code	Sample ID or Number	Stage Size	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if not handling transfer)	Successfully transferred to YUL?	Aging Structure	Stomach weight for full & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver mole% sample	Tissue metal samples		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N	Y/N	Tag #	Code					Y/N	Y/N		
	Q catch																		
	Q catch																		
	Q catch																		
	Q catch																		

BL188A
Sept. 18/10
0900
6.0°C

BL188B
Sept. 19/10
0929
8.5°C

BL188C
Sept. 20/10
0900
7.0°C

BL188D
Sept. 21/10
0857
7.0°C
Pulled

Notes: 1. See catch size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Full out fields for sex, repro status and maturity based on "marking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "Fish sample" (D) - "L". Tissue samples should be coded as "Fish sample" (D) + "T".

Bay-Goose Basin Fish-out 2010

Meadowbank Project, Fish-Out & PUE Phase Field Data Sheet

Mar 2011
Meadowbank Division

Page 1 of 2

4. Gear set data		BL189		Number of species by mesh size (for CNA)		Fish length (m)		75 yrd.	
Location / ID	Start location	End of Net	(in NAD 83)	Set date	Set time	Net depth & length (m)	Net depth & length (m)	Set time	Set direction / speed
BL189	Wpt. 330	Wpt. 331	(in NAD 83)	Sept. 17/10	1550	12.4 m / 22.2 ft	12.4 m / 22.2 ft	9.0°C	NNW ~10 km/h
Recorder	YM	Field Staff	YM, Rn	Set date	Sept 29/10	Set time	1610	General comments	

Fish sample data					Those fields for every fish			Field data			Fish Transfer			Lab Analysis, Biological Assessment						Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to lab	Aging Structure	Stomach weight (for % full) & contents - preserve for taxonomy	Ovary weight (g)	% weight of 100 eggs	Liver weight (g)	Liver metals sample	Tissue metals sample			
		(mm)	(mm)	(g)	Y/N	Code	Code	Y/N		Y/N	Tag #	Colors				Y/N	Y/N			
2	Catch																			
																	</			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sucklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish On: CEUE Phase Field Data Sheet

A. Over 200,000

E. Fish sample data

Notes: 1. See mesh size options in section A. 2. Fork length for trout, cuter and whitefish; girth for all others. 3. Fill out notes for sex, reproductive and maturity based on "milings" for most fish; 4. otoliths and fins for LT and AD, otoliths only for purple and whitefish, none for sculpins or shinerbass. 5. Some stomachs to be processed in field, some to be sent to lab - see part 6/7. Liver sample should be coded as "fish sample ID" + "L", tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set date

Location / ID	190		Number of panels by mesh size (for GNA)	Net Length (m)
Start location	585	End of Net (in NAD 83)	586	Net Height (m). All are 2m
Easting	19W0638375	19W0638516	Set date: 04-09-2010	Net depth at each end (m) 8.2, 2.0
Northing	7212500	7212552	Set time: 8:10	Surface temp: 10°C
Recorder	NW		Lift date: Sept 09, 2010	Wind direction / speed: 10 SE Wind
Field Staff	Z1 MT		Lift time: 10:00	General comments:

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N				
ARCH	01	51	290	200				N		Y											
BURB	02	38	250	100	F	1		Y	Net	N											
LTTR	03	25	120	25	MA	6		Y	Net	N											
ARCH	04	25	140	25				N		Y											
ARCH	05	25	120	25				N		Y											
ARCH	06	25	120	25				N		Y											
RNWH	07	25	120	25	M	6		Y	Net	N											
ARCH	08	25	145	25				N		Y											
ARCH	09	25	125	25				N		Y											
ARCH	10	25	150	25				N		Y											
ARCH	11	25	100	25	F	1		Y	Net	N											
ARCH	01	Sweed	136	25				N		Y											
ARCH	02	Sweed	125	25	M	6		Y	Net	N											
ARCH	03	Sweed	150	50	M	6		Y	Net	N											
ARCH	04	Sweed	140	50	F	1		Y	Net	N											
ARCH	05	Sweed	135	25	IMM			Y	net	N											
ARCH	06	38	125	20	F	1		Y	net	Y											
ARCH	01	51	250	150				N		Y											
ARCH	02	25	121	25				N		Y											
ARCH	03	25	119	25				N		Y											
ARCH	04	25	109	25				N		Y											
ARCH	05	25	123	25				N		Y											
ARCH	06	25	125	25				N		Y											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **190**

Start location: **14W 0638325** End of Net (in NAD 83): **14W 0638526**

Easting: **7212500** Northing: **7212522**

Number of panels by mesh size (for GNs):
25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒

Set date: _____ Set time: _____

Lit date: _____ Lit time: _____

General comments: _____

Net Length (m): _____
Net Height (m). All are 2m: _____
Net depth at each end (m): _____
Surface temp: _____
Wind direction / speed: _____

AEM 2010
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B. Fish sample data

07. Field Sample Data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
ARCH	07	25	135	25	M	8		Y	Net	N		F/O	P	-	-	.17	Y	Y	Dwarf
ARCH	08	25	126	25	M	6		Y	Net	N									
ARCH	09	25	135	25				N		Y									
LKTR	10	25	149	50	F	1		Y	Net	N									
ARCH	11	25	145	25				N		Y									
ARCH	12	25	120	25				N		Y									
ARCH	13	25	125	25	F	1		Y	Net	N									
LKTR	01	51	285	200		-	-	N		Y									
LKTR	02	38	336	450	-	F41	-	Y	Net	N		F/O	P	-	-	4.2	Y	Y	
LKTR	03	25	113	25	-	-	-	N		Y									
ARCH	04	25	149	25	-	M7	-	Y	Net	N									
ARCH	05	25	120	25	-	-	-	N		Y									
ARCH	06	25	129	25	-	-	-	N		Y									
ARCH	07	25	136	25	-	-	-	N		Y									
ARCH	08	25	129	25	-	-	-	N		Y									
ARCH	09	25	123	25	-	-	-	N		Y									
ARCH	10	25	128	26	-	-	-	N		Y									
ARCH	11	25	116	25	-	-	-	N		Y									
ARCH	12	25	120	25	-	M7	-	Y	Net	N									
ARCH	13	25	141	25	-	-	-	N		Y									
ARCH	14	25	144	25	-	M6	-	Y	Net	N									
LKTR	01	25	198	200				N		Y									
ARCH	02	25	120	25		M6		Y	Net	N									
ARCH	03	25	135	25				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

continued on page 3

↳ Net # 200 on reverse

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copy - original on reverse of 200

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 190		Number of panels by mesh size (for GNS):		Net Length (m):	
Start location	End of Net (in NAD 83)	25:	38:	51:	76:
Easting: 14W 0638375	14W 0638576	102:	126:	Net Height (m): All are 2m	
Northing: 7212500	7212552	Set date:		Net depth at each end (m):	
Recorder:		Set time:		Surface temp:	
Field Staff:		Lift date:		Wind direction / speed:	
		Lift time:		General comments:	

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N		
ARCH	04	25	120	25	—	—	—	N		Y										
ARCH	05	25	125	25	—	—	—	N		Y										
ARCH	06	25	132	25		M7		Y	NET	N										
ARCH	07	25	129	25		M7		Y	NET	N										
ARCH	08	25	129	25		F1		Y	NET	N										
BURB	09	51	258	150	—	—	—	N		Y										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "miking" for most fish. 4. Otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 191

Start location: 587 End of Net (in NAD 83): 588

Easting: 14W0638606 Northing: 7212072

Recorder: NW Field Staff: 21, MT

Number of panels by mesh size (for GNA): F 25 35 51

Set date: 04-09-2010 Set time: 9:50

Lift date: 8 Sept 2010 Lift time: 0815

Net Length (m): Net Height (m): All are 2m

Net depth at each end (m): 4.3, 4.6

Surface temp: 10°C

Wind direction / speed: 5 SE Wind

General comments:

AEM 2010

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Run 05-09-2010

at 8:33 (A)

Run at 9:52

on 06-09-2010

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶						
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N						
ARCH	01	25	150	50	F	1		Y	Net	N													
LKTR	02	38	175	100	M	6		Y	Net	N													
ARCH	03	38	180	100				N		Y													
ARCH	01	25	160	50				N		Y													
LKTR	02	38	180	100				N		Y													
BYRB	03	51	220	150				N		Y													
ARCH	01	38	189	75				N		Y													
LKTR	01	51	213	125				N		Y													
LKTR	02	51	225	150				N		Y													
ARCH	03	25	128	25				N		Y													
ARCH	04	25	132	25				N		Y													

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

AM

AEM 2010

R

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID:	192		Number of panels by mesh size (for GNA)	Net Length (m)
Start location	339	End of Net (m NAD 83)	590	Net Height (m): All are 2m
Easting	14W0638793	14W0638822	Set date: 04-09-2010	Net depth at each end (m): 3.4, 2.0
Northing	7213474	7213364	Set time: 10:22	Surface temp: 10°C
Recorder:	NW	Lift date: 08-09-2010	Lift time: 10:30	Wind direction / speed:
Field Staff:	21 MT	General comments:		

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Run 2 9:41
05-09-2010
Run 2 8:08
06-09-2010

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)			
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶					
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N					
ARCH	01	51	310	250	M	9		Y	Net			0-Rec	5.50	—	—	2.01	Y	75/53				
LKTR	02	51	280	200	F	1		Y	Net			0-Rec	4.5	—	—	1.13	Y	65/53				
ARCH	03	51	203	100				N		Y												
ARCH	04	38	135	50				N		Y												
ARCH	05	25	110	25	F	1		Y	Net													
ARCH	06	25	120	25				N		Y												
ARCH	07	25	220	100				N		Y												
ARCH	08	25	110	25				N		Y												
RNWH	09	25	135	50	F	1		Y	Net													
BURB	01	102	540	1200	M	7		Y	Net													
ARCH	02	76	155	50				N		Y												
RNWH	03	38	300	300				N		Y												
ARCH	04	38	150	50				N		Y												
ARCH	05	38	230	100	M	9		Y	Net													
LKTR	06	38	220	100				N		Y												
ARCH	07	38	205	100				N		Y												
ARCH	08	38	200	50	F	1		Y	Net													
LKTR	09	38	175	50				N		Y												
ARCH	10	25	150	50	M	6		Y	Net													
RNWH	11	25	145	25				N		Y												
LKTR	12	25	120	25	M	6		Y		N												
on page 2 on back of 190																						

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID.			Number of panels by mesh size (for GNS):		Net Length (m)	
192			25 ☒ 38 ☒ 51 ☒ 75 ☒ 102 ☐ 126 ☐		Net Height (m) All are 2m	
Start location			Set date:		Net depth at each end (m) /	
End of Net (in NAD 83)			Set time:		Surface temp:	
Easting			Lift date:		Wind direction / speed	
Northing			Lift time:		General comments:	
Repeater						
Field Staff:						

[illegible]

Notes: 1. See mesh size options in section A, 2. Fork length for trout, char and whitefish, total for all others, 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sucklebacks, 5. Some stomachs to be processed in field, some to be sent to lab - see plan, 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 193
Start location: 591 End of Net (in NAD 83): 592
Easting: 14W0638915 Northing: 7213180
Recorder: Nat
Field Staff:
Number of panels by mesh size (for GN&): Sweed 5
Set date: 09-09-2010
Set time: 10:48
Lift date: Sept 10, 2010
Lift time: 10:25
Net Length (m):
Net Height (m) All are 2m
Net depth at each end (m): 5.6 / 2.5
Surface temp:
Wind direction / speed:
General comments:

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AEM 2010

Run 9:36
on 05-09-2010
Run 8:32
06-09-2010

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁶	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
ARCH	01	25	110	25	M	6		Y	Net											
ARCH	02	25	130	25				N		Y										
ARCH	03	38	165	100	Imm			Y	Net											
ARCH	04	38	130	20	F	1		Y	Net											
ARCH	05	38	110	20	M	6		Y	Net											
RNWH	06	38	110	20	F	2		Y	Net											
RNWH	07	Sweed	110	15				N		Y										
RNWH	01	Sweed	100	20	F	1		Y	Net											
RNWH	02	Sweed	90	20	F	1		Y	Net											
RNWH	03	Sweed	100	15	F	1		Y	Net											
RNWH	04	Sweed	100	20				N		Y										
RNWH	05	Sweed	95	15	M	6		Y	Net											
RNWH	06	Sweed	90	20	M	6		Y	Net											
RNWH	07	Sweed	110	25				N		Y										
RNWH	08	Sweed	100	25	F	1		Y	Net											
RNWH	09	Sweed	100	20	F	2		Y	Net					0.17	Total eggs					
RNWH	10	Sweed	100	20	F	2		Y	Net					0.20	Total 100 eggs					
RNWH	11	Sweed	100	20				N		Y										
EXTR	12	Sweed	90	20	M	6		Y	?											
RNWH	13	Sweed	100	20				N		Y										
RNWH	14	Sweed	100	20				N		Y										
RNWH	15	Sweed	100	20	F	1		Y	Net											
RNWH	16	Sweed	90	20	F	2		Y	Net					0.92	Total eggs					
EXTR	17	Sweed	95	20	F	2		Y	Net											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, reproductive and maturity based on "milking" for most fish. 4. cloths and fins for LT and AC, cloths only for burbot and whitefish, none for sculpins or suckers. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

RNWH	18	Sweed	100	20				N		Y								
LKTR	19	38	220	100				N	645	Y								
ARCH	20	38	165	100				N		Y								

Run 29:24
On 07-09-2010

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 193 continued from 192

Number of panels by mesh size (for GNS): 25 38 51 76 102 126

Net Length (m):

Net Height (m): All are 2m

Net depth at each end (m):

Surface temp:

Wind direction / speed:

Recorder: Nat

Field Staff:

General comments: 45 weed (3 panels) 2007A

AEM 2010
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B. Fish sample data

These fields for every fish					Field fish data ¹			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL?	Ageing Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
ARCH	21	25	110	50				N		Y									
ARCH	22	25	110	25				N		Y									
ARCH	23	25	130	50				N		Y									
RNWH	01	25	325	300		M7		Y	Net	N		F0	4	-	-	275	✓	✓	
ARCH	02	25	135	25		F1		Y	Net	N									
LKTR	03	25	119	20				N		Y									
ARCH	04	25	136	25				Y	Net	N		F0	P	-	-	.17	✓	✓	Dwarf
ARCH	05	25	135	20		MB		Y	Net	N		F0	P	-	-	.31	✓	✓	Dwarf
LKTR	06	25	120	20				N		Y									
ARCH	07	25	157	50	M	6		Y	Net	N									
LKTR	08	38	200	100	F	1		Y	Net	N									
RNWH	09	Sweed	100	25				Y	Net	N									
ARCH	10	Sweed	272	200				N		Y									
ARCH	11	Sweed	109	25				N		Y									
RNWH	12	Sweed	98	20		F1		Y	Net	N									
ARCH	13	Sweed	90	20	F	1		Y	Net	N									
RNWH	14	Sweed	100	15	F	1		Y	Net	N									
RNWH	15	Sweed	98	25		F1		Y	Net	N									
ARCH	16	Sweed	87	25				N		Y									
RNWH	17	Sweed	100	25				N		Y									
ARCH	18	Sweed	102	50		Imm		Y	Net	N									
ARCH	19	Sweed	86	50				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 193
Start location: 14W
End of Net (in NAD 83): 0638971
Set date: 0638971
Set time: 7213180
Lift date: 7213153
Lift time: 7213153
General comments: Sweed (3 panels) 22 + .00

Net Length (m):
Net Height (m): All are 2m
Net depth at each end (m):
Surface temp:
Wind direction / speed:

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (for % full) & contents - in scale if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ³	Tissue metals sample ⁴	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
RNWH	01	25	115	25	-			Y	Net	N								
RNWH	02	25	134	25	-	M6		Y	Net	N								
ARCH	03	25	116	25				N		Y								
LKTR	04	38	185	50				N		Y								
ARCH	05	38	196	75				N		Y								
RNWH	06	Sweed	99	25	-	F1		Y	Net	N								
RNWH	07	Sweed	97	25	-	F2		Y	Net	N		F0		.70	.26			
RNWH	08	Sweed	95	25	-			N		Y								
RNWH	09	Sweed	94	25	-	F1		Y	Net	N								
RNWH	10	Sweed	92	25	-	F2		Y	Net	N		F0						
RNWH	11	Sweed	101	25	-	F1		Y	Net	N								
RNWH	12	Sweed	97	25	-	F2		Y	Net	N		F0		.26	.22			
RNWH	13	Sweed	93	25	-	F1		Y	Net	N								
RNWH	14	Sweed	99	25	-	F1		Y	Net	N								
RNWH	15	Sweed	100	25	-	F1		Y	Net	N								
RNWH	16	Sweed	99	25	-	F1		Y	Net	N								
RNWH	17	Sweed	103	25	-	F1		Y	Net	N								
RNWH	18	Sweed	106	25	-	F1		Y	Net	N								
RNWH	01	Sweed	112	25	-			N		Y								
RNWH	02	Sweed	110	25	-	F1		Y	Net	N								
RNWH	01	Sweed	112	25	-			N		Y								
RNWH	02	Sweed	103	25	-	F2		Y	Net	N								
RNWH	03	Sweed	103	25	-	F2		Y	Net	N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or studebakers. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **193 continued**

Number of panels by mesh size (for GME):
25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 125: ☒

Net Length (m):
Net Height (m): All are 2m

Start location: **0638915** End of Net (in NAD 83): **0638921**
Set date: **7 21 3180** Set time: **7 21 3153**

Net depth at each end (m): **/**

Recorder: **14W** Lift date: **0638921** Surface temp: **/**

Field Staff: **7 21 3180** Lift time: **7 21 3153** General comments: **368 4064 + Sweed (3 panels)**

Wind direction / speed: **/**

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL ³	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
RNWH	04	Sweed	105	25	-	-	-	N		Y								
RNWH	05	Sweed	103	25	-	F2	-	Y	Net	N								
RNWH	06	Sweed	121	25	-	M6	-	Y	Net	N								
RNWH	07	Sweed	90	25	-	F2	-	Y	Net	N								
RNWH	08	Sweed	95	25	-	F2	-	Y	Net	N								
RNWH	09	Sweed	96	25	-	-	-	N		N								
RNWH	10	Sweed	113	25	-	F2	-	X	Net	N								
ARCH	11	38	228	100	-	M6	-	Y	Net	N								

Notes: 1 See mesh size options in section A. 2 Fork length for trout, char and whitefish; total for all others. 3 Fill out fields for sex, repro status and maturity based on "milting" for most fish. 4 otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5 Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

Pg 1 of 2

PM Meadowbank Division

AEM 2010
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Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 194		Number of panels by mesh size (for ENs):		Net Length (m)	
Start location: 597	End of Net (in NAD 83): 598	25: ✓	38: ✓	75: ✓	100: ✓
Easting: 14W0633416		Set date: 06-09-2010		Net Height (m): All are 2m	
Northing: 7212544		Set time: 14:55		Net depth at each end (m): 9.8, 1.8	
Recorder: NW		Lift date: 13 Sept		Surface temp: 10°C	
Field Staff: JB, ZI		Lift time: 1320		Wind direction / speed: 20 SE	
General comments: Pull on 12 Sept					

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death. (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶					
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N					
BURB	01	25	237	50				N		Y												
LKTR	02	25	130	25				N		Y												
ARCH	03	25	110	25		F1		Y	Net	N												
LKTR	01	25	118	25				N		Y												
LKTR	02	25	120	25				N		Y												
ARCH	03	25	121	25	-	F1	-	Y	Net	N												
RNWH	04	25	154	25	-	F1	-	Y	Net	N												
LKTR	05	25	128	25				N		Y												
RNWH	06	25	168	25				N		Y												
RNWH	07	25	116	25	-	F2	-	Y	Net	N												
ARCH	08	25	124	25				N		Y												
LKTR	01	38	176	50		F1		Y	Net	N												
ARCH	02	38	128	25				N		Y												
			3																			
-RNWH	01	38	320	400		M7		Y	science	N		F0	12.57	-	-	357	Y	Y	red line			
ARCH	02	35	125	25				N		Y												
ARCH	01	38	201	50		M6		Y	NET	N												
ARCH	02	38	120	25		F1		Y	NET	N												
ARCH	03	25	110	25		F1		Y	NET	N												
ARCH	01	25	123	25				N		Y												
ARCH	02	25	117	25				N		Y												

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish, 4. otoliths and line for LT and AC, otoliths only for burbot and whitefish, none for sculpin or stickleback. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "Fish sample ID" + "L". Tissue samples should be coded as "Fish sample ID" + "T"

194A Run@ 1630 7 Sept 2010
194B Run@ 1600 8 Sept 2010
194C Run@ 1530 9 Sept 2010
194D Run@ 1455 10 Sept 2010
194E Run@ 1530 11 Sept 2010
194F Run@ 1530 12 Sept 2010
194G Run@ 1530 13 Sept 2010
194H Run@ 1530 14 Sept 2010
194I Run@ 1530 15 Sept 2010
194J Run@ 1530 16 Sept 2010
194K Run@ 1530 17 Sept 2010
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194U Run@ 1530 27 Sept 2010
194V Run@ 1530 28 Sept 2010
194W Run@ 1530 29 Sept 2010
194X Run@ 1530 30 Sept 2010
194Y Run@ 1530 1 Oct 2010
194Z Run@ 1530 2 Oct 2010
195A Run@ 1530 3 Oct 2010
195B Run@ 1530 4 Oct 2010
195C Run@ 1530 5 Oct 2010
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208Y Run@ 1530 27 Sep 2011
208Z Run@ 1530 28

Mar 2011

Meadowbank Division

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet
A. Goose Basin - Goose Basin Fish-out 2010

Location / ID: 194		Number of panels by mesh size (for CPUE): 25 V 30 51 75 102 126		Net Length (m):
Start location:	End of Net (in NAD 83):	Set date:	Set time:	Net Height (m): All are 2m
Weather:	Recorder:	Set date:	Set time:	Net depth at each end (m):
Puck Start:	End date:	Set date:	Set time:	Surface temp:
	End time:	General comments:		Wind direction / speed:

B. Fish sample data

These fields for every fish					Field fish data ?			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of material / internal examinations including DELT)	
Species Code	Sample ID or Number	Mean Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (field handling / transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % fat) & contents - evidence if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample?	Tissue metals sample?		
		(mm)	(mm)	(g)	MAF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
	03	25	138	25		Mb		Y	Net	N		F0	.51	-	-	.28	Y	Y	
LKTR	04	25	120	25				N		Y									
LKTR	05	25	121	25		F2		Y	Net	N									
ARCH	06	25	130	25				Y		Y									
BNWH	07	25	145	25				N		Y									
LKTR	08	25	127	25				N		Y									
LKTR	09	25	134	25				N		Y									
LKTR	10	25	124	25		Mb		Y	Net	N									
LKTR	11	38	176	75		Mb		Y	Net	N									
ARCH	12	38	184	75		Mb		Y	Net	N		F0	.43	-	-	.43	Y	Y	Cysts on stomach

Notes: 1. See mesh size columns in section A. 2. Puck length for trout, steelhead and whitefish total for all above. 3. Fill out fields for sex, reproductive status and maturity based on "linkage" for most fish; 4. Ovary and sex for LT and AC available only for juvenile and whitefish; 5. Ovary for sculpin or sticklebacks. 6. Some samples may be preserved in field, some to be sent to lab - see plan; 07. Liver sample should be coded as "Yes" sample 10" = "Y". Tissue samples should be coded as "Yes" sample 10" = "Y".

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: BL195		Number of panels by mesh size (for GNs):		Net Length (m): 75 yds	
Start location		25: 38: 51: 76: 102: 126:		Net Height (m): All are 2m	
End of Net (in NAD 83)		Set date: 7 Aug 2010		Net depth at each end (m): 3.7	
Eastings: 14w 0638334		Set time: 1615		Surface temp: 10°C	
Northings: 7212385		Lift date: 9 Sept 2010		Wind direction / speed: 5-10 km/h NE	
Recorder: Jesse Bell		Lift time: 1515		General comments	
Field Staff: Garth T., Ricardo G.		Pulled because it was stuck on a rock			

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A, 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T"

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

AEM 2010

Page 1 of 1

A. Gear set data

Location / ID:	BL196		Number of panels by mesh size (for GNS)	Net Length (m):
Start location	End of NM (in NAD 83)	Set date:	Net Height (m). All are 2m	
Easting:	14W 0638 605	14W 0638 640	Set time:	Net depth at each end (m):
Nothing:	7211962	7212034	Set time:	Surface temp:
Recorder:	Jesse Bell		Lift date:	Wind direction / speed:
Field Staff:	R.G., G.T.		Lift time:	
			General comments:	

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % fill) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample?	Tissue metals sample?	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
ARCH	01	51	274	200		F1		Y	Net	N								
ARCH	02	38	187	100		F1		Y	Net	N								
LKTR	03	38	168	100		M6		Y	Net	N								
LKTR	04	38	178	100				N		Y								
LKTR	01	51	278	150				N		Y								
LKTR	02	51	189	50				N		Y								
LKTR	03	38	225	100				N		Y								
LKTR	04	38	215	100				Y	Net	N								Ryans
LKTR	01	51	284	125				N		Y								
LKTR	02	38	184	75				N		Y								
LKTR	01	25	153	50		M6		Y	Net	N								
BURB	02	33	210	50				N		Y								
LKTR	03	38	186	15				N		Y								
ARCH	04	25	113	25				N		Y								
ARCH	05	25	128	25				N		Y								
ARCH	06	25	125	25				N		Y								
ARCH	07	25	112	25				N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

Mar 2011
Meadowbank Division

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 197

Start location: 14W 0638582 End of Net (in NAD 83): 14W 0638747

Easting: 7212608 Northing: 7212531

Recorder: JB

Field Staff: GI, RG

Number of panels by mesh size (for GNE): 25: 38: 51: 76: 102: 126: 1/1/1/1/1/1

Set date: 8 Sept 2010

Set time: 0945

Lift date: 10 Sept 2010

Lift time: 0915

Net Length (m):

Net Height (m): All are 2m

Net depth at each end (m): 6, 4.4

Surface temp: 10°C

Wind direction / speed: 10-15 KM/H

General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
		NO catch																
BURB	01	38	176	25				N										
RMWH	02	25	139	25		F1		Y	Net	N								
								</										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milong" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 198

Start location: 14W 0638871- End of Net (in NAD 83): 14W 0638814

Easting: 7212811 Northing: 7212670

Recorder: JB

Field Staff: GT, RG

Number of panels by mesh size (for GNS): 5 25 ✓ 36 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ E

Set date: 8 Sept 2010

Set time: 1530

Link date: Sept 30 2010

Link time: 1040

Net Length (m):

Net Height (m): All are 2m

Net depth at each end (m): 44.6.1

Surface temp: 10°C

Wind direction / speed: 5-10 KM/HN

General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net / handling / transfer)	Successfully transferred to TPL ⁵	Aging Structure ⁴	Stomach weight (or % fat) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁶	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	38	180	50				N		Y								
ARCH	02	38	210	75		M6		Y	NET	N								
ARCH	03	38	178	50				N		Y								
ARCH	04	51	158	50		F1		Y	NET	N								
- no catch -																		
LKTR	01	25	138	25		M6		Y	Net	N								
ARCH	NO HEAD 25 * * *							Y	Net	N								
ARCH	02	25	121	25		M6		Y	Net	N								
LKTR	03	38	171	50				N		Y								
ARCH	04	51	203	100				N		Y								
	05	76																
LKTR	01	38	180	75				N		Y								
ARCH	01	25	112	50				N		Y								
LKTR	01	38	200	125		M6		Y	Net	N								
LKTR	01	38	168	50				N		Y								
No CATCH																		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milong" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or minnowbass. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Mar 2011

Meadowbank Division

Meadowbank Division
A. Great Lakes
Coarse Basin Fish

Location / RI: **198**

Station location: **1414 0638871** End of Net: **on BAO 801** **0638814**

Sampling: **7212811** **7212640**

Number of parcels by mesh size (for GNS):
25: ☐ 38: ☐ 51: ☐ 76: ☐ 102: ☐ 128: ☐

Net Length (m):
Net Height (m): A1 and 2m
Net depth at each end (m):
Surface layer:
Wind direction / speed:

Recorder:
Field Date:
General comments:

B. Fish sample data

Three fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment						Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if handling / transfer)	Secondary transferred to TPL?	Ageing Structure	Stomach weight (or % fat) & contents - include if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Uterus weight (g)	Tissue weight sample?
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)			Y/N	Y/N	
BL198K	01	38	188	75	-	-	-	Y	-	Y							
LKTR	02	38	175	50	-	FL	-	Y	net	N							
2 catch																	
BL198L	01	51	243	140	-	FL	-	Y	net	N							
Sept. 21/10	02	38	163	47	-	-	-	N		Y							
11456	2 catch																
Sept. 23/10	01	38	179	50	-	-	-	N		Y							
1444	LKTR	01	38	179	50	-	-	-	N	Y							

Notes: 1. Sex check size criteria in section A. 2. Field length for trout, char and whitefish, total for all others. 3. Fill out Sexes for sex, reproductive and maturity based on "Maturity" for most fish. 4. Abbreviate sex for LT and AC, females only for trout and whitefish - none for sculpin or splakeback. 5. Stomach contents to be preserved in field - none to be sent to lab - size plot. 6. Uterus samples should be coded as "fish sample ID" + "U". Tissue samples should be coded as "fish sample ID" + "T".

PM

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Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID		198		Number of panels by mesh size (for GNA)		25 38 51 76 102 128		Net Length (m)	
Start location		End of Net (in NAD 83)		25 38 51 76 102 128				Net Height (m) All are 2m	
Baiting		14W 0638871		0638814		Set date:		Net depth at each end (m): 1	
Northing:		7212811		7212640		Set time:		Surface temp.	
Recorder				Lift date		Sept 30, 2010		Wind direction / speed:	
Field Staff:				Lift time:		10:40		General comments:	

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals samples ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N	
	K Catch.																		
LKTR	01	38	200	78	F	1		✓	NET									cysts present	
LKTR	02	38	160	41	M	b		✓	NET									cysts present	
LKTR	03	38	170	46	F	1		✓	NET										
BurB	04	38	212	64	F	1		✓	NET										
LKTR	01	25	126	10	IMM			✓	net	N								cysts present	
RNMH	01	25	114	15	—			N		N									
RNMH	02	25	146	28	—			N		N									

Notes: 1. See mesh size options in section A. 2. Fork length for brook, charr and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC. otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

not sampled Sept 28

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

Swedish P.M.

A. Gear set data

Location ID: BL199

Number of panels by mesh size (mGNs): 25: 30: 51: 76: 102: 126: 14

Net Length (m):

Start location: 14W 0638683 End of Net (in NAD 83): 14W 0638766

Set date: 8 Sept 2010

Net Height (m): All are 2m

Nothing: 7212824 7212824

Set time: 1645

Net depth at each end (m): 4.7.8

Recorder: JB

Lift date: 11 Sept 2010

Surface temp: 10°C

Field Staff: GT RG

Lift time: 1628

Wind direction / speed: 5-10 KM/H N

General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
RNWH	01	SWE	89	25		F1		Y	NET	N									
RNWH	02	SWE	78	25		M7		Y	NET	N									
RNWH	03	SWE	78	25		M7		Y	NET	N									
RNWH	01	SWE	77	25		M6		Y	NET	N									
RNWH	02	SWE	68	25				N		Y									
RNWH	03	SWE	79	25		M6		Y	NET	N									
RNWH	04	SWE	62	25				N		Y									
RNWH	05	SWE	81	25		M6		Y	NET	N									
RNWH	01	SWE	71	25		F2		Y	NET	N									
RNWH	02	SWE	64	25				N		Y									
				</															

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL 2000**

Start location: **14W0638456** End of Net (in NAD 83): **14W0638506**

Easting: **7212473** Northing: **7212635**

Recorder: **JB** Field Staff: **RG JP**

Number of panels by mesh size (for GNs):
E 25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒ 15

Set date: **9 Sept 2010** Set time: **0910** Lift date: **Sept 29, 2010** Lift time: **1445**

Net Length (m): **542.0** Net Height (m) All are 2m: **5.42.0** Net depth at each end (m): **10°C** Surface temp: **10°C** Wind direction / speed: **5-10 km/h S**

General comments:

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight for % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶						
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N					
ARCH	01	25	125	25				N		X													
ARCH	02	25	148	25	F	1		Y	Net	N													
ARCH	03	25	145	25				N		X													
ARCH	04	25	120	15				N		Y													
ARCH	01	25	154	50				N		Y													
ARCH	02	25	146	50				N		Y													
ARCH	03	25	140	50				N		Y													
LKTR	04	51	255	150		F1		Y	NET	N													
RUNH	01	76	360	500				N		Y	58159												
ARCH	02	25	121	25				N		Y													
ARCH	03	25	176	25		F2		Y	Net	N													
RUNH	01	51m	307	225		M6		Y	NET	N		0	Pres	-	-	2.72	✓	✓					
LKTR	02	38m	254	200				N		N													
ARCH	03	25	125	50				N	NET	N		FO	Pres	-	-	0.10	✓	✓					
ARCH	04	25	144	50				N															
ARCH	05	25	143	50				N															
ARCH	01	25	126	25		M7		Y	Net	N													
ARCH	02	25	124	25				N		Y													
RUNH	03	76	408	725		F2		Y	Net	N		0	Pres	57	539.28	✓	✓						
ARCH	01	25	119	25				N		X													

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "1". Tissue samples should be coded as "fish sample ID" + "7".

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AM

Meadowbank Project, Fish-Out GPUE Phase Field Data Sheet

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A. Gear set data		Location / ID		BL 200		Number of panels by mesh size (for GNo)		25 ☒ 38 ☒ 51 ☒ 76 ☒ 102 ☒ 125 ☒		Net Length (m)	
Start location		End of Net (in NAD 83)		14W 0638456		0638506		Set date		Net Height (m): All are 2m	
Easting		Northing		7212473		7212635		Set time		Net depth at each end (m): /	
Recorder		Lift date						Surface temp.		Wind direction / speed:	
Field Staff		Lift time						General comments			

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer ²			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
RNWH	02	38	230	180				N		Y										
RNWH	03	51	345	400				N		Y										
ARCH	01	51	298	300				N		Y										
ARCH	02	25	129	20		M7		Y	net	N		FO 0.28	-	-	0.18	Y	Y			
Ø	CATCH																			
ARCH	01	25	136	25				N		Y										
ARCH	02	25	137	25				N		Y										
Ø	CATCH																			
Ø	CATCH																			
ARCH	01	25	155	35				N		Y										
ARCH	01	25	132	50				N		Y										
LKTR	02	25	138	50		M6		Y		N										
ARCH	01	25	114	16		F4		Y	net	N										
RNWH	01	76	325	400	-	-	-	N		Y										

cold, overcast, equinox

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "marking" for most fish. 4. etelins and fins for LT and AC, etelins only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data

Location / ID: BL200		Number of panels by mesh size (for GNA)		Net Length (m)	
Start location		End of Net (in NAD 83)		Net Height (m): All are 2m	
Easting: 14W 063843		Northing: 7212473		Net depth at each end (m):	
Recorder		Lift date: Sept 29, 2010		Wind direction / speed:	
Field Staff:		Lift time: 1445		General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample ID" + "L" Tissue samples should be coded as "fish sample ID" + "T"

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL201**

Start location: **14W 0638571** End of Net (in NAD 83): **14W 0638659**

Easting: **7212939** Northing: **7213064**

Recorder: **JB** Field Staff: **GT, RG**

Number of panels by mesh size (for GNS): **5 25 38 51 76 102 125**

Set date: **9 Sept 2010** Set time: **1030**

Lift date: **Sept 17 2010** Lift time: **0900**

Net Length (m): **125** Net Height (m) All are 2m

Net depth at each end (m): **17, 6.8**

Surface temp: **10°C** Wind direction / speed: **5-10 KM/H S**

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death, (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
ARCH	01	38	158	50				N		Y										
LKTR	02	38	190	100				N		Y										
ARCH	03	25	130	25				N		Y										
ARCH	04	25	120	25				N		Y										
ARCH	05	25	141	25		F1		Y	NET	Y										
RNWH	01	38	196	75		M1b		Y	Net	N		FO 3.75	-	-	.75	✓	✓			
LKTR	02	38	187	75				N		Y										
ARCH	03	25	127	25				N		Y										
ARCH	04	25	122	25				N		Y										
ARCH	05	25	119	25				N		Y										
ARCH	06	25	125	25				N		Y										
		~~25~~	~~125~~	~~25~~																
ARCH	01	25	125	25				N		X										
LKTR	02	38	185	50				N		Y										
RNWA	03	38	170	25		F1		Y	NET	N		0 2.06	-	-	.49	✓	✓			
ARCH	01	25	118	25		M7		Y	Net	N		FO PRES	-	-	0.22	✓	✓	Dwarf cyprinids on stomach		
RNWB	02	38	213	50		F2		Y	Net	N										
LKTR	01	38	165	75				N		Y										
RNWH	02	38	174	100				N		Y										
RNWH	03	25	144	50				N		Y										
RNWH	04	25	153	75				N		Y										
RNWH	05	25	146	50		M6		Y	Net	N										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

Mar 2011
Meadowbank Division

Woodsmyr Park Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location ID	130201 continued		Number of panels by mesh size (per 0.1%):	Max Length (m):
Start location	End of Net (in NAD 83)		25 28 31 36 102 120 ✓	Min Height (m): All size 2m
Starting	14W 0638571	14W 0638659	Set date	Net depth at each end (m):
Ending	7213064	7213064	Set date	Surface temp
Recorder	JTB		Use date	Wind direction / speed
Field Staff	JTB BG		Use time	
			General comments:	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; girth for all others. 3. Fill out fields for sex, reproductive status and maturity based on "milking" for most fish. 4. Stottish and fins for LT and AC (collect only for burbot and whitefish); none for sculpin or sticklebacks. 5. Some sturgeon to be processed in field - some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

AEM 2010

A. Gear set data

Location / ID:	202		Number of panels by mesh size (for GNS):	Net Length (m):
Start location	End of Net (in NAD 83)	25: 39: 51: 76: 102: 126:	Net Height (m): All are 2m	
Easting:	14W 0638501	14W 0638463	Set date:	9 Sept 2010
Northing:	7212245	7212304	Set time:	1530
Recorder:	JB		Lift date:	Sept 13, 2010
Field Staff:	GP, JP		Lift time:	15:02
			General comments:	Remove Net on 12 Sept, has a big hole!

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B. Fish sample data

These fields for every fish					Field fish data ¹			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ²	Length ³	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/handling/transfer)	Successfully transferred to TPL?	Tag #	Alving Structure	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ^{4a}		Tissue metals sample ^{4b}
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N		Code(s)					Y/N		Y/N
R610 RNWH	01	51	415	650		F2		Y	Killed	N			11.56	48.9	389.69	Y	Y	JA	
Catch of																			
CATCH of																			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "midling" for most fish. 4. Otoliths and fins for LT and AC; otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan, 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

P.M.

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data		Number of panels by mesh size (for GNC):		Net Length (m):
Location / ID:	303	5 25 38 51 78 102 128		Net Height (m): All are 3m
Start location	14W 0638751	End of Net (in NAD 83)	14W 0638782	Net depth at each end (m): 23 7.2
Easting:	14W 0638751	Set date:	4 Sept 2010	Surface temp: 10°C
Northing:	7212704	Set time:	1625	Wind direction / speed: 5-10 km/H S
Recorder:	JB	Lift date:	15 Sept 2010	General comments:
Field Staff:	G.T., J.P.	Lift time:	15:15	

B. Fish sample data

Fish sample data					Field Fish data ³			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death, (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicates if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶						
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N					
ARCH	01	25	118	25				N		Y													
ARCH	02	25	122	25				N		Y													
ARCH	03	25	131	25				N		Y													
ARCH	01	25	137	25				N		Y													
ARCH	02	25	143	25				N		Y													
LATR	01	25	125	25		Mb		Y	Net	N													
ARCH	02	25	105	25		Mb		Y	Net	N		FO .91	-	-	.13	Y	Y						
LATR	03	38	215	125		Mb		Y	Net	N		FO 1.5	-	-	.79	Y	Y	cysts on stomach					
ARCH	04	38	170	25				N		Y													
BURB	01	51	225	100				N		Y													
LKTR	02	51	169	75				N		Y													
BURB	03	38	238	125				Y	net	N													
LKTR	04	38	194	75				N		Y													
ARCH	05	25	144	50				N		Y													
CATCH																							

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 204		Number of panels by mesh size (for GNs)		Net Length (m)	
Start location		End of Net (in NAD 83)		Net Height (m) All are 2m	
Easting 14610138979		Northing 7213081		Net depth at each end (m): 6.2, 3.4	
Set date: 10 Sept 2010		Set time: 0820		Surface temp: 13°C	
Lift date: 15 Sept		Lift time: 0925		Wind direction / speed: 5-10 km/h S	
Recorder: JB		Field Staff: GT, RG		General comments: *Pull me*	

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
		Ø Catch																	
		Ø Catch																	
ARCH	01	38	194	50				N		Y									
BURB	02	38	221	50				N		Y									
		Ø Catch																	
Burb	01	25	137	50				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location ID: 205

Start location: 14W 0638747 End of Net (in NAD 83): 14W 0638654

Easting: 7212531 Northing: 7212415

Recorder: JB

Field Staff: G1, R6

Number of panels by mesh size (for GNS): 5: 25: 38: 51: 76: 102: 126: E

Set date: 10 Sept 2010

Set time: 0930

Lift date: Sept 29, 2010

Lift time: 1400

Net Length (m):

Net Height (m): All are 2m

Net depth at each end (m): 4.4, 5.6

Surface temp: 9°C

Wind direction / speed: S-10 km/h S

General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
ARCH	01	25	125	25				N		Y									
ARCH	02	25	127	25				N		Y									
ARCH	03	25	144	25				N		Y									
ARCH	04	25	137	25				N		Y									
ARCH	05	25	115	25				N		Y									
ARCH	06	38	183	75		M6		Y	Net	N	12	F0	1.51	-	-	0.14	Y	Y	
LKTR	07	38	146	75				N		Y									
LKTR	08	38	231	100				Y	Net	N	1st								
LKTR	09	76	342	500				N		Y	58163								
LKTR	01	38	185	50				N		Y									
LKTR	02	25	120	25		F1		N	NET	N									
LKTR	03	25	146	25		M6		Y	NET	N									
ARCH	04	25	120	25		F3		N		Y									
LKTR	01	51	178	50				N		Y									
ARCH	02	38	142	25				N		Y									
LKTR	03	25	129	25		M6		Y	Net			F0	pres	-	-	0.26	Y	Y	cysts on stomach
LKTR	01	51	253	175				N		Y									
LKTR	02	51	265	200				N		Y									
RNH	03	76	344	450				N		Y									
LKTR	01	25	132	25		M6		Y	Net	N		F0	pres	-	-	0.39	Y	Y	cysts on stomach

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

AEM 2010

Page 2 of 3

A. Gear set data

Location / ID		205		Number of panels by mesh size (for GNS)		Net Length (m)	
Start location	End of Net (in NAD 83)	S 25 28 51 76 102 128 E		Net Height (m) All are 2m		Net depth at each end (m)	
Easting	7217531	7212415		Set date		Surface temp.	
Northing	7217531	7212415		Set time		Wind direction / speed	
Recorder			Lift date				
Field Staff			Lift time		General comments		

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
ARCH	02	25	122	25		M6		Y	net	N		FO P	-	-	16	Y	Y	cysts on stomach
LKTR	03	51	193	100				N		Y								
LKTR	04	51	204	100				N		Y								
ARCH	01	51	238	200				N		Y								
ARCH	02	25	114	18				N		Y								
Ø CATCH																		
Ø CATCH																		
Ø CATCH																		
RNVH	01	25	144	25				N		Y								
ARCH	02	25	123	25		F1		Y	net	N								
ARCH	01	25	141	32		M7		Y	net	N								
LKTR	01	102	415	750				N		Y	58154							
LKTR	02	76	421	775				N		Y	58155							
ARCH	03	25	122	25				N		Y								
LKTR	04	25	347	475				N		Y	58153							
ARCH	05	25	120	19		F1		Y	net	N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, charr and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **205**

Number of panels by mesh size (for gate): 25' ☒ 36' ☒ 51' ☒ 76' ☒ 102' ☒ 126' ☒

Start location: **14W 0638747** End of Net (in NAD 83): **14W 0638657** Net Length (m):

Easting: **7212531** Northing: **7212415** Set date: Net Height (m): All are 2m

Recorder: Set time: Net depth at each end (m):

Field Staff: Lift date: Surface temp:

Lift time: General comments: Wind direction / speed:

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL?	Aging Structure ³	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
ARCH	01	76	138	26				N		Y								
ARCH	01	25	114	16		F1		Y	net	N								
no catch																		
ARCH	01	38	138	30		IMM		Y		N								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "maturity" for most fish. 4. otoliths and line for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID	206		Number of panels by mesh size (for gills):	25: 5, 38: 5, 51: 5, 76: 5, 102: 5, 128: 5	Net Length (m):
Start location	14W0638899	End of Net (in NAD 83)	14W0638880	Set date:	10 Sept 2010
Easting:	7213278	7213345	Set time:	1040	Net depth at each end (m): 4.8 & 4.3
Northing:	7213278	7213345	Set date:	10 Sept 2010	Surface temp: 9°C
Recorder:	JB		Set date:	10 Sept 2010	Wind direction / speed: 5-10 km/h S
Field Staff:	BOT RG		Set date:	10 Sept 2010	General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Not handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶				
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N			
RNWH	01	SWEE	113✓	25	F3	F3		N		Y											
RNWH	02	SWEE	112✓	25		F3		N		Y											
ARCH	03	SWEE	90	25				Y	NET	N											
RNWH	04	SWEE	102	25				N		Y											
RNWH	05	SWEE	98✓	25	F3	F3		Y	NET	N		DF		0.36	X						*188
RNWH	06	SWEE	97✓	25		F3		Y	NET	N											
ARCH	07	SWEE	95	25				N		Y											
BURB	08	SWEE	122	150				N		Y											
ARCH	09	SWEE	90✓	25		IMM		Y	NET	N											
RNWH	10	SWEE	98✓	25		F3		Y	NET	N											
RNWH	11	SWEE	100	25				Y	NET	N											
RNWH	12	SWEE	110✓	25				Y	NET	N											
RNWH	13	SWEE	92	25				N		Y											
RNWH	14	SWEE	100✓	25		F3		N		Y											
RNWH	15	SWEE	101	25				Y	NET	N											
RNWH	16	SWEE	96✓	25		F3		Y	NET	N		DF		0.66	X						*178
RNWH	17	SWEE	96✓	25		F3		Y	NET	N											
ARCH	18	25	180	25				N		Y											
RNWH	19	SWEE	91✓	25		F3		Y	NET	N		O/F		0.17	X						*132
RNWH	20	SWEE	92✓	25		F3		Y	NET	N		DF		0.33	X						123
LKTR	21	38	180	50		F1		Y	NET	N											
RNWH	01	SW	117	25				N		Y											
RNWH	02	SW	107	25		F2		Y	Net	N											
RNWH	03	SW	110	25		F2		Y	Net	N											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AC; otoliths only for burbot and whitefish; none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 677. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

* Individual count weight

Bay Goose Basin Fish out 2010

Mar 2011
Meadowbank Division

A. Gear set data

Location / ID: **206 continued**

Start location: **4W** End of Net (on RAD 03): **25 36 51 78 102 126**

End date: **06/08/09** Set time: **06/28/09**

Net depth at each end (m): **72 3270** **72 3345**

Net depth at each end (m): **72 3345**

Surface temp: **72 3345**

General comments: **Wind direction & speed.**

These fields for every fish					Field fish data			Fish transfer			Lab Analysis: Biological Assessment										Comments including results of internal / external examinations including OELT		
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if handling / transfer)	Successfully transferred to TPL?	Ageing Structure	Stomach weight for % to 5 contents - indicate if preserved for microscopy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver micros sample	Tissue micros sample						
RNWH	04	SW	114	25		F2		Y	Net	N													
RNWH	05	SW	108	25		F2		Y	Net	N													
RNWH	06	SW	112	25				N		Y													
RNWH	07	SW	115	25		F2		Y	Net	N													
RURB	01	SW	38	223	50			N		Y													
RNWH	02	SW	191	25		F2		Y	Net	N													
RNWH	01	SW	100	25		F2		Y	Net	N													
LKTR	02	38	167	75				N															
LKTR	03	38	149	100				N															
ARCH	04	38	193	100				N															
RNWH	01	SW	95	25		F2		Y	Net	N													
RNWH	02	SW	104	25		F2		Y	Net	N													
RNWH	01	SW	98	7		F2		Y	Net	N													
RNWH	02	SW	93	8		F2		Y	Net	N													
RNWH	03	SW	94	9		F2		Y	Net	N													
RNWH	01	25	136	25				N															
LKTR	02	38	167	35				N															
LKTR	03	38	217	75		F1		Y	Net														
RNWH	04	SW	103	10		F2		Y	Net														
RNWH	05	SW	102	10		F2		Y	Net														

Notes: 1. See fish tag and/or section A. 2. Fish length for each, start and whitefish total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "rolling" for most fish. 4. Stalks and fins for LT and AC. Stalks only for burbot and whitefish. None for sculpin or cisco. 5. Some stomachs to be preserved in field, some to be sent to lab - see plan. 6. Liver weights should be coded as "100 sample 10" = "1". Tissue samples should be coded as "100 sample 10" = "1".

Bay-Goose Basin Fish-out 2010

Mar 2011
Meadowbank Division

Meadowbank Project, Fish-Out CMPE Phase Field Data Sheet

A. Gear Set data

Location / ID: **100 CON'T**

Start location: **0638899** End of Net (in NAD 83): **0638880**

Backlog: **7213238** **7213245**

Number of panels by mesh size (kg/ft²): 25: **✓** 40: **✓** 75: **✓** 100: **✓** 125: **✓**

Net length (m): **100**

Net height (m) at end 2m: **100**

Net depth at each end (m): **100**

Surface temp: **100**

Wind direction / speed: **100**

Field State: **100**

General comments: **100**

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of normal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (and handling / transfer)	Successfulity transferred to TPL?	Ageing Structure	Stomach weight (or % TWT) & contents - indicate if preserved for laboratory	Ovary weight (g)	Weight of TOL eggs	Liver Weight (g)	Liver metals sample?	Tissue metals sample?		
		(mm)	(mm)	(g)	SEX	Code	Code	Y/N		Tag #	Code(s)					Y/N	Y/N		
LKTH	01	25	125	25		M6		Y		N								Cystic on ST	
RNWH	02	25	153	50				N	NET										
RNWH	03	38	163	75		F2		N		N									
RNWH	04	38	105	25				N											
RNWH	05	25	95	25		F2		Y	NET										
RNWH	06	25	97	25				N											
ARCH	07	25	100	25		F2		Y	NET										
RNWH	08	25	86	25		F2		Y											
RNWH	09	25	106	25		F2		Y											
RNWH	10	25	96	25		M7		Y											
ARCH	11	25	94	25		F1		Y	NET										
RNWH	12	25	95	25				N											
RNWH	13	25	85	25		F2		Y	NET										
RNWH	14	25	97	25		M7		Y	NET										
LKTR	21	25	131	25				N										Cystic on ST	
LKTR	02	25	120	25		F1		Y	NET										
ARCH	03	25	133	25				N											
ARCH	04	25	130	25				N											
LKTR	05	38	222	100		F1		Y	Net										
RNWH	06	SW	91	10		F2		Y	Net										
RNWH	07	SW	98	2		F2		Y	Net										
ARCH	08	SW	91	14				Y	Net										

Notes: 1. See mesh size columns in section A. 2. Fork length to nearest mm and weight to nearest g. 3. Fill out fields for sex, repro status and maturity based on "rules" for most fish. 4. Ageing and time for LT and AL, provided only for burbot and whitefish. 5. Stomach contents should be processed in field, some to be sent to lab - one plan. 6. Liver sample should be coded as "fish sample ID" + "L". 7. Tissue samples should be coded as "fish sample ID" + "T".

transferred to 404

206

A. H.

Mar 2011

Meadowbank Division

AEM 2010

Day Goose Basin Fish-out 2010

Location ID: **206 continued**

Number of ponds by reach (see map): 25, 36, 51, 78, 142, 126

Max Length (m):

Start location: **0608599** End of Net (in MAD #): **0639880**

Set date: **7213278** Set time: **7213345**

Net depth at each end (m):

Surface temp:

Wind direction / speed:

Recorder:

Field date:

General comments:

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (excluding results of external / external examinations including OELT)	
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Abundance	Cause of Death: other handling? / knacker	Successfully transferred to TPL?	Age	Stomach weight (or % left: A contents - indicate if preserved for taxonomy)	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample?	Tissue metals sample?		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(g)				Y/N	Y/N		
LKTR	01	25	122	25				N		Y									
ARCH	02	25	114	25				N		Y									
LKTR	03	38	170	50				N		Y									
ARCH	01	25	212	85				N		Y									
RNVH	02	13	87	6				Y	net	N									
ARCH	01	25	147	25				N		Y									
RNVH								N											
RNVH	01	"No	HEAD			F2		Y	net	N									
RNVH	01	13	100	8		F1		Y	net	N									
RNVH	02	13	85	7		F2		Y	net	N									
ARCH	01	25	145	21				N		Y									
LKTR	02	38	165	47				N		Y									
RNVH	03	13	110	10		F2		Y	net	N									

Notes: 1. See mesh size options in section A. 2. Fish length for head, tail and whole fish, total for all others. 3. Fill out data for sex, reproductive status and maturity based on "tealings" for most fish. A. scales and fins for LT and AL. Abundance only for burbot and whitefish, none for sculpin or rock bass. 5. Some standards to be processed in field, some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID			Number of panels by mesh size (for GADP)		Net Length (m)
206 continued					
14W	Start location	End of Net (in NAD 83)	25 ✓ 38 ✓ ~~100~~		Net Height (m): All are 2m
Easting	0638899	0638880	Set date		Net depth at each end (m) /
Northing	7213278	7213345	Set time		Surface temp:
Recorder	Sue		Lift date	Sept 30 / 2010	Wind direction / speed
Field Staff	Sue + Zack		Lift time	10:20	General comments

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death, (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N	
D CATCH																			
D CATCH																			
ARCH	01	38	253	150		F1		Y	NET	N								many cysts	
RNWH	01	25	96	10		—		N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

not sampled Sept. 28

Bay-Goose Basin Fish-out 2010

Meadowbank Project, Fish-Out CRUISE Phase Field Data Sheet

A. Date and data

Location / ID: **BL 207**

Start location: **14W0138871** End of Net (at NAD 83): **14W0138839**

Easting: **7212603** Northing: **7212603**

Recorder: **JB**

Field Staff: **GT RG**

Number of panels by mesh size (m): **25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120**

Set date: **10 Sept 2010**

Set time: **16:50**

Net Length (m): **1715.5**

Net depth at each end (m): **17.5.5**

Surface time: **9°C**

Time between / speed: **10-15 km/h S**

General comments:

B. Fish sample data

These fields for every fish					Field data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Activity	Mortality	Cause of Death (if handling / transfer)	Successfully transferred to TPL?	Agita (Stress)	Stomach weight (or % full) & contents - indicates if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver - indicates sample?	Tissue available sample?		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Contents				Y/N	Y/N		
RUWH	01	36	261	525				N		Y	58162								
ARCH	02	38	138	25				N		X									
ARCH	03	38	122	25				N		Y									
ARCH	04	25	124	25		F2		Y	Net	N									Dwarf
LKTR	01	102	176	100				N		Y									
ARCH	02	25	142	25				N		Y									
ARCH	03	25	145	25				N		Y									
LKTR	04	25	125	25		Mb		N	Net	N		FO Pres	-	-	0.5	✓	✓	Cysts on stomach	Running
ARCH	05	25	142	25				N		Y									
ARCH	06	25	123	25		M?	6	Y	Net	N		FO Pres	-	-	0.1	✓	✓	Cysts on stomach	
LKTR	07	25	157	25				N		Y									
ARCH	08	25	120	25				N		Y									
RUWH	09	25	148	25		Mb		N	Net	N									
ARCH	10	25	120	25				N		Y									
ARCH	11	25	113	25		M7		Y	Net	N									Dwarf
Ø catch																			
LKTR	01	38	134	50				N		Y									
LKTR	02	38	124	25				N		Y									
ARCH	03	25	136	50				N		Y									
Ø Catch.																			

Notes: 1. Size mesh size explains in section A. 2. Fish length for most, other add subtotals for all others. 3. Fill out fields for sex, repro status and maturity as per "Guidelines" for most fish. 4. Adults and fish for LT and AC studies only for burbot and whitefish, none for sculpin or chub. 5. Stomach contents to be processed in lab, same as to be kept to lab - see spec. 6. Liver samples should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

P.M.

Mar 2011

Meadowbank Division

Bay of Goose Basin Fish-out 2010

A. Gear and date

Trawl / ID: 208

Start location: 14W 0638706

End of Net (in NAD 83): 14W 0638683

Number of catches by mesh size (for 25, 38, 51, 76, 101, 125): 25: 1, 38: 1, 51: 1, 76: 1, 101: 1, 125: 1

End date: 11 September 2010

Set time: 1655

End time: 15 SEPT/10

General comments: 1640

Net length (m):

Net height (m): All are 2m

Net depth at each end (m): 4.7

Surface temp: 9°C

Wind direction / speed: 0-5 KM/H S

Recorder: JB

Field Staff: GT, RG

B. Fish sample data

These fields for every fish					Field fish data ¹			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Not handling number)	Successfully transferred to TPL?	Aging Structure ²	Stomach weight (or % fat) & contents - indicate if preserved for taxonomy	Cherry weight (g)	Weight at 100 ggs?	Liver Weight (g)	Liver metal sample?	Tissue metal sample?		
		(mm)	(cm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
RNWH	01	SM	74	10				N		Y									
RNWH	02	SM	77	10				N		Y									
RNWH	01	SM	78	10		M7		Y	Net	N									
	0	CATCH																	
				</															

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish. Total for all others. 3. Fill out fields for sex, repro status and maturity based on "trouting" for most fish. 4. Otoliths and line for IT and AC; otoliths only for brook and whitefish. Name for eelpout or stickleback. 5. Some stomachs to be processed as fat; some to be sent to lab - see plan. 6? Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A ✓
Sept 13/10
16:37
B ✓
Sept 14/10
16:30
C ✓
Sept 15/10
16:40

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

38x2

AM

AEM 2010
Page 1 of 2

Location / ID: BL 209		Number of panels by mesh size (for GNS):		Net Length (m):	
Start location	End of Net (in NAD 83)	25	38	51	78 102 126
Easting	638630	638617	Set date		12-sept-2010
Northing	7211937	7212020	Set time		8:40
Recorder:	Lift date:		Sept 29, 2010		Surface temp
Field Staff	Lift time:		1520		Wind direction / speed
		General comments		10-15 Kph N	

B. Fish sample data

0. Fish sample data

These fields for every fish					Field fish data ¹			Fish Transfer				Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N		
LKTR	01	25	144	75				N		Y										
ARCH	02	25	126	50		F1		Y	net	N		FO pres.	-	-	0.34	Y	Y			
ARCH	03	25	121	50				N		Y										
LKTR	04	25	127	50		M6		Y	net	N		FO pres.	-	-	0.36	Y	Y	cysts on stomach		
LKTR	05	51	225	175				N		Y										
LKTR	01	51	300	300				N		Y										
RNWH	02	25	145	25				N		Y										
RNWH	03	25	147	25				N		Y										
RNWH	01	51	370	650		F2		Y	transfer	N	58157	0 15	54	0.95	14	Y	Y			
LKTR	02	25	128	50				N		Y										
RNWH	03	25	138	50				N		Y										
RNWH	04	25	148	75		M6		Y	net	N										
ARCH	01	25	120	15				N		Y										
BURB	02	38	196	56				N		Y										
LKTR	01	51	256	125				Y	net	N										
LKTR	01	38	187	125				N		Y										
ARCH	02	25	134	50				N		Y										
CATCH																				

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "mating" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **209**

Start location: **638630** End of Net (in NAD 83): **638617**

Eastings: **7211937** Northings: **7212020**

Recorder: **YM**

Field Staff: **YM**

Number of panels by mesh size (for GNS): **S 25 38 51 76 102 125**

Set date: **12 Sept 2010** Set time: **08:40**

Lift date: **Sept 29, 2010** Lift time: **15:20**

Net Length (m): **2.1, 2.2**

Net Height (m): All are 2m

Net depth at each end (m): **2.1, 2.2**

Surface temp: **15.20**

Wind direction / speed: **15:20**

General comments:

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
H Sept 20/10 8:45	LKTR 01	25	133	25				N		Y								
	ARCH 02	25	138	25				N		Y								
	LKTR 03	38	199	75				Y	net	N								
I Sept 21/10 9:28 7°C	Ø CATCH																	
J Sept 22/10 9:12	Ø CATCH																	
K Sept 23/10 8:43 6°C	ARCH 01	38	188	55				N		Y								
L Sept 24/10 9:07 6°C	Ø CATCH																	
M 9:37 5°C Sept 25/10	ANWH 01	25	153	36				N		Y								
	LKTR 02	38	206	90				N		Y								
N 9:38 5°C Sept 27/10	ARCH 01	25	120	20				N		Y								
	LKTR 02	38	220	124				N		Y								
O 15:55 5°C Sept 28/10	NO CATCH																	
P Sept 29 15:20 5°C pulled	NO CATCH																	

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Mar 2011
Meadowbank Division

Mar 2011

Meadowbank Division

Meanderbank Project, Fracture CPUE Phase Field Data Sheet

2. Gen 1:5-6

Location / ID	21D	Number of panels by mesh size (mm)	75	50	51	52	100	125	Net Length (m)	3 panels	76.5
Start location	14659019	End offset (m EAD 01)	638601	Set date	5/21/13	10	Net Height (m)	All are 2m	Net depth at each end (m)	7.4	sm
Easting	7212063	End offset	7212203	Set time	13:14	10	Surface temp		Wind direction / speed		
Northing	7212063	End offset	7212203	Set date	5/21/13	10	General comments				
Recorder	JA	Set time	15:18	Set date	5/21/13	10					
Field Site	JA, RG	Set time	15:18	Set date	5/21/13	10					

B. Fish sample data

These fields for every fish				Field data				Fish Transfer				Lab Analysis: Biological Assessment							Comments (including results of internal/external examinations including OBT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if handling transfer)	Successfully transferred to TPL?	Ageing Structure	Stomach weight (or % body & contents - indicate if preserved for taxonomy)	Ovary weight (g)	Weight of 100 eggs	Uter Weight (g)	Liver weights sample(s)	Tissue recpts sample(s)		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Excess					Y/N	Y/N	
	Ø CATCH																		
	Ø CATCH																		
	Ø CATCH																		
	Ø CATCH																		
RAWHOI	51	295	250					N		Y									
	Ø CATCH																		
IKTR	01	51	204	100	-	-	-	N		Y									

Header 1: Sea urchin size classes in section A. 2: Fork lengths for broad, char and whitefish; total for all others. 3: Fatness index for sea urchins, range sample and majority based on "milling" for most fish. 4: Stalks and fins for LT and AC. Stalks only for burrow and subtidal, none for pelagic or Aphelichthys. 5: Some stomachs in the processing in field, some to be sent to lab - see print. 6: Liver sample should be coded as "liver sample 10" + "L". Tissue samples should be coded as "liver sample 10" + "T".

A. General data

Project: Goose Basin Fish out 2010

Meadowbank Division

Start location	End of Net (in NAC ID)	Number of sample by mesh size (for GEL)	Net length (m)
14W 0639099	14W 0638007	25 30 50 75 100 125	Net depth (m), all size 2m
7213063	7212703		Net depth at each end (m)
Start date	Set date	Set time	Surface temp.
			Wind direction / speed
Recorder:	Lab code	General comments	
Field Staff	Lab time		

B. Fish sample data

These fields for every fish			Field fish data			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of internal / external examinations including GELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (if/when/transfer)	Successfully transferred to TPL?	Agon Structure	Stomach weight (or % of 100) & contents - indicate if preserved for toxicology	Orary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver mass sample?	Tissue metals sample?		
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
Ø CATCH																			
Ø CATCH																			
Ø Catch																			
Ø CATCH PULLED																			

Notes: 1. See mesh size columns in section A. 2. Fish length for total, crown and subclavicular, head for all entries. 3. Fish catch labels for sex, reproductive and maturity based on "holding" for most fish. 4. Stomach and sex for LT and AD, weights only for juvenile and subadult, none for subadult or subadults. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Mar 2011

MEM 210

A. Date set day:

B. Fish-out Basin Fish-out 2010

Meadowbank Division

Start location	End of Net (on NAD 83)	Number of panels by mesh size (in cm)	Net Length (m)
638498	638467	4 5 6 30 51 75 100 120	Net Height (cm): All are 2m
721258	7212618	Service: 504 13	Net depth at each end: 1.1 / 2.4 m
Receptor: JA	U.S. date: 19 September	Service: 15:49	Garage lamp:
Field Staff: JB, RG	U.S. time: 10:00	Observed climatic:	Wind direction / speed:

B. Fish sample data

These fields for every fish					Field Risk data				Fish Transfer			Lab Analysis/ Biological Assessment							Comments (excluding results of internal/ external examinations including DELT)
Species Code	Sample ID or Number	Marsh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Risk handling/ transfer)	Successfulity transferred to YPL?	Ageing Structure	Stomach weight (or % full & contents - indicate if preserved for taxonomy)	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver necropsy sample?	Tissue necropsy sample?		
		(cm)	(mm)	(g)	W/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
ARCH	01	25	122	25				N										Dwarf	
ARCH	02	25	127	25				N										Dwarf	
ARCH	03	25	132	25				N											
RNWH	04	51	236	150				N											
LKTR	05	51	299	300				N		58158									
ARCH	01	51	175	75				N											
LKTR	02	38	168	75				N											
RNWH	03	38	185	75				N											
RNWH	04	25	148	30		M6		Y	NET	N									
LKTR	01	38	125	75				N											
RNWH	02	51	228	150				N											
ARCH	01	25	117	25				N											
ARCH	02	25	125	25		F1		Y	NET	N		FO 1.05			27	Y	Y	casts on stomach	
LKTR	01	25	138	25		F1		Y	NET	N									
RNWH	02	25	142	25		M6		Y	NET	N									
X catch																			

Notes: 1. See remarks seen columns in section A, 2. Fork length (forkout), char and whitefish total for all others. 3. Fill out fields for sex, reproductive status and maturity based on "ribbing" for most fish, 4. Abbreviations for LT and AG: Abbreviations only for barbs and whitefish: none for saffrons or cunnerheads. 5. Stomach contents to be processed as field, some to be sent to lab - see plan 6/7. Liver sample should be coded as "lab sample ID" = "L", Tissue samples should be coded as "lab sample ID" = "T".

destroyed by pipe JA'n

AM

AEM 2010

Page 1 of 2

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID	212		Number of panels by mesh size (for GNE)	Net Length (m)
Start location	End of Net (in NAD 83)	25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 128 ✓ E	Net Height (m) All are 2m	
Easting 14W	639105	638954	Set date	15-Sept-2010
Northings	7213038	7219588	Set time	8:40
Recorder	JB		Net depth at each end (m)	1 / 8
Field Staff	RG, JP		Surface temp	7°C
			Wind direction / speed	S 10-15 KPH
			General comments	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment ¹										Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶						
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	Y/N					
ARCH	01	25	116	14				N		Y													
LKTR	02	38	165	45				N		Y													
LKTR	03	38	184	60				N		Y													
ARCH	04	38	153	37		M7		Y	net	N		FO	0.95	-	-	0.31	Y	Y	cysts on stomach				
ARCH	01	25	118	25				N		Y													
ARCH	02	25	121	25		M6		Y	net	N		FO	0.85	-	-	0.22	Y	Y					
ARCH	01	25	122	19		M7		Y	net	N		FO	0.91	-	-	0.6	Y	Y	cysts on stomach				
ARCH	02	25	126	21		M7		Y	net	N		FO	0.54	-	-	0.85	Y	X	cysts on stomach.				
LKTR	03	76	354	500				N		Y	58156												
ARCH	01	25	108	25				N		Y													
ARCH	01	25	204	75		M6		X	net	N		FO	3.85	-	-	.59	Y	Y	cysts on stomach.				
LKTR	02	38	181	75				N		Y													
Ø CATCH																							
Ø CATCH																							
LKTR	01	25	115	16				N		Y													

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish. 4. otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

AM

AEM 2010

Page 2 of 2

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID 212		Number of panels by mesh size (for GNS)		Net Length (m)
	Start location	End of Net (in NAD 83)	5 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ E	Net Height (m) All are 2m
Easting	14W 0639105	14W 638954	Set date	Net depth at each end (m) /
Northing	7213038	7219588	Set time	Surface temp
Recorder			Lift date	Wind direction / speed
Field Staff			Lift time	
			General comments	

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Division

B. Fresh sample data

Notes: 1. See mesh size options in section A. 2. Forklength for live, ethar and wharfish: total for all ethar. 3. Fill out Scales for sex, reproductive status and maturity based on "mildred" for male fish, 4. otoliths and for 17 and AC, otoliths only for burbot and wharfish. Note for sculpin or doublebarbel. 5. Sample efforts to be processed as held, some to be sent to lab - see plan. 6/7. These samples should be coded as "box sample ID" + "1". Visual samples should be coded as "box sample ID" + "1".

Location: BL214	Start location: 141063888	End of Net (to NAO ID): 141063888	Number of gears by mesh size (No. G4): 5 25 38 51 75 100 125	Net Length (m):
Standing: 141063888	Set date: 15 SEPT 2010	Set time: 1645	Net depth at each end (m): 1.5	Surface temp: 7.50C
Drumming: 7213479	Set time: 1645	Set date: 15 SEPT 2010	Wind direction / speed: SE 10 KM/H	
Recorder: JB	Field Stud: R6/JP	Field time: 0935	General comments:	

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment										Comments (including results of external / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (No handling transfer)	Successfully transferred to TPL?	Age	Structure	Stomach weight (or % fat & contents - estimate if preserved for biochemistry)	Chary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver nucleus sample?	Tissue nucleus sample?			
		(mm)	(mm)	(g)	MF	Code	Code	Y/N		Y/N	Tag #	Code(g)					Y/N	Y/N			
	~~0~~ catch																				
LKTR	01	38	182	195																	
RNWH	02	25	140	25																	
		~~25~~	~~131~~	~~25~~																	
LKTR	01	25	134	25		MG			Y NET	Y											
Bvrb	02	38	266	125					N												
LKTR	01	38	256	150		FI			Y NET	N									cysts on S		
LKTR	01	25	131	35	-	-	-	N		Y											
ARCH	08	25	130	25	-	MG	-	N	net	N											
ARCH	03	38	208	150	-	MG	-	Y	net	N											
ARCH	04	38	215	150	-	-	-	N		Y											
ARCH	01	25	131	28	-	-	-	N		Y											
ARCH	02	25	135	23	-	-	-	N		Y											
ARCH	03	38	181	19	-	-	-	N		Y											
LKTR	04	38	202	95	-	-	-	N		Y											
LKTR	05	38	215	100	-	MG	-	Y	net	N											
LKTR	06	38	191	70	-	-	-	N		Y											

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish. 4. otoliths and fins for LT and AC, otoliths only for brook and whitefish; none for sculpin or sticklebacks. 5. Stomach contents to be preserved in field - some to be sent to lab - see plan. MF: Liver sample should be coded as "fish sample 10" + "L". Tissue samples should be coded as "fish sample 10" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 214

Number of panels by mesh size (top GNS): 5 25 38 51 76 102 126 E

Start location: 14W 0638824

End of Net (in NAD 83): 14W 0638856

Set date: 7213479

Set time: 7213367

Recorder: [blank]

Lift date: [blank]

Lift time: [blank]

General comments: [blank]

Wind direction / speed: [blank]

AEM 2010
Page 2 of 2

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/handling/transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
LKTR	01	25	180	58				N		Y								
CATCH																		
LKTR	01	25	120	18	-	F1	-	Y	net	N								
LKTR	02	38	211	83	-	-	-	N		Y								
LKTR	01	25	255	150	-	F1	-	Y	net	N								
BURB	02	38	215	60	-	-	-	N		Y								
ARCH	03	25	136	25	-	-	-	N		Y								
ARCH	04	25	140	25	-	-	-	N		Y								
LKTR	01	38	101	62	-	-	-	N		Y								
LKTR	02	25	134	24	-	-	-	N		Y								
RNWH	03	25	151	32	-	F1	-	Y	net	N								
ARCH	01	38	285	216				N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "maturity" for most fish. 4. otoliths and fins for LT and AC. otoliths only for burbot and whitefish; none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

*not sampled Sept 28

Mar 2011

Meadowbank Division

Bay-Goose Basin Fish-out 2010

Location 710 **216**

Start location **696** End of Net **7m NAD 83** **1916.06.38.746**

Survey: **1416.06.38.746** **1916.06.38.746**

Survey: **1416.06.38.746** **1916.06.38.746**

Recorder: **JB**

Field Staff: **JP**

Number of passes by me (for fish) **17** **15**

Set date: **17 Sept 2010**

Set time: **15:00**

Lab date: **Oct 01, 2010**

Lab time: **1330**

Net length (m): **7.0**

Net depth (m): **2m**

Net depth at each end (m): **3.2**

Surface temp: **7°C**

Wind direction / speed: **20 km/h N**

General comments:

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment								Comments including results of internal/external examinations including DELT
Species Code	Sample ID or Number	Mean Size (mm)	Length (mm)	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (post mortem)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % wet weight if preserved for toxicity)	Cray weight (g)	Weight of 100 eggs	Liver weight (g)	Liver metals sample?	Tissue metals sample?		
LKTR	01	38	132	25	MF	Code	Code	YN		Y	Tag #	Code(s)					YN	YN	
ARCH	01	25	148	25		FI		Y	net	N		OF 1.14	-	-	5	Y	Y		
LKTR	01	25	120	40	-	-	-	N		Y									
ARCH	02	25	113	35	-	-	-	N		Y									
ARCH	03	38	120	25	-	FI	-	Y	net	N									
ARCH	01	25	147	32	-	FI	-	Y	net	N									
ARCH	02	38	120	15	-	F2	-	Y	net	N									
ARCH	03	38	132	22	-	-	-	N		Y									
ARCH	01	38	117	17				N		Y									
ARCH	02	25	122	18				N		Y									
LKTR	01	38	123	14	-	FI	-	N	transfer	N									
CATCH																			

Notes: 1. See origin site address in section A. 2. Fish length (to breast, clear and white) (round for all others). 3. Fish weight (to nearest scale and maturity based on "looking" for most fish, 4. skulls and fins for LT and AC, skulls only for burbot and whitefish, spines for sculpin or sticklebacks. 5. Stomach contents to be preserved in field, some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample 10" + "L". Tissue sample should be coded as "fish sample 10" + "T".

PM

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Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 216		Number of panels by mesh size (for GNs)		Net Length (m):	
Start location	End of Net (in NAD 83)	25 ✓ 39 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓		Net Height (m): All are 2m	
Easting: 14W 0638713	14W 0638746	Set date:	Net depth at each end (m) /		
Northing: 7212490	7212706	Set time:	Surface temp:		
Recorder:		Lift date:	Wind direction / speed:		
Field Staff:		Lift time:	General comments:		

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A.2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish, 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

not sampled Sept 28

Bay-Goose Basin Fish-out 2010

Meadowbank, Project Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL222**

Start location: **wp. 336** End of Net (for H&D #3): **wp. 337**

Easting: **14W 0638488** Northing: **7210724**

Recorder: **Ym**

Field Staff: **Ym, JP, ZI**

Number of panels by mesh size (for GNA): **S 25' 36' 61' 75' 102' 126' E**

Set date: **Sept. 21/10**

Set time: **1518**

Net Length (m): **150 yrd.**

Net Height (m) (A is 2m): **1.3m / 6m**

Net depth at anch end (m): **4.2 ft / 19.7 ft**

Surface temp: **7.0°C**

Wind direction / speed: **NE ~ 10 km/hr**

Alt. date: **Sept 30, 2010**

Alt. time: **15:15**

General comments:

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis/ Biological Assessment						Comments (including results of internal / external examinations including DELT)
Source Code	Sample ID or Number	Mesh Size	Length ¹	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling/ transfer)	Successfully transferred to TPL ²	Ageing Structure	Stomach weight (or % full) & contents - indicate if preserved for laboratory	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver methyl sample ³	Tissue methyl sample ³
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N
Ø CATCH																	
Q catch																	
ARCH	01	25	137	24	-	F5	-	Y	net	N							Dwarf (reabsorbing eggs)
Q catch																	
Q catch																	
no catch																	
BURB	31	38	220	64					N	X							
BURB	02	30	180	46					N	X							
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Notes: 1. Size mesh size options in section A. 2. Fork length for trout, char and minnow, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and um for 17 and 20 months only for burbot and minnow. none for sculpin or cisco. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample ID" - "L". Tissue samples should be coded as "fish sample ID" - "T".

* not sampled Sept 28 217218

Bay-Goose Basin Fish-out 2010

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: **BL248**

Start location: **WPT 334** End of Net: **(in NAD 83) WPT 335**

Easting: **14W 0638354** Northing: **7212793**

Reel: **YM** Field Size: **SP 24**

Number of panels by mesh size (for GNS): **3**

Set date: **21 SEP / 2010** Set time: **1450** L/L date: **Oct 04, 2010** Lift time: **1750**

Net Length (m): **75** Net Height (m): **7.9m ft. 8.1m**

Net depth at each end (m): **26 ft. 26.6 E feet.**

Surface temp: **7°C** Wind direction + speed: **NE 10**

General comments:

B. Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal/external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Not handling/transfer)	Successfully transferred to TPL?	Ageing Structure	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Live Weight (g)	Liver metals sample ^{5b}	Tissue metals sample ^{5c}		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
	Ø	catch																	
	Ø	CATCH																	
LKTB	01	38	177	55	-	-	-	N		Y									
BURB	01	38	210	60	-	F1	-	Y	net	N									
BURB	01	38	210	55	M	6		Y	net	N									
BURB	02	38	200	49				N		Y									
	no	catch																	
BURB	01	38	226	75				N		Y									
BURB	02	25	145	20				N		Y									

Notes: ¹ See mesh size columns in section A. ² Fork length for trout, char and whitefish, total for all others. ³ Fish out 1 slot for sex, repro status and maturity based on "milking" for most fish. ⁴ otoliths and fins for LT and AG, otoliths only for burbot and whitefish, none for sculpin or stickleback. ⁵ Some stomachs to be processed in field, some to be sent to lab - see plan. ^{5b} Liver samples should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

* not sampled Sept 28

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: <u>218</u>		Number of panels by mesh size (for GNS):		Net Length (m)	
Start location	End of Net (in NAD 83)	25: ☒ 38: ☒ 51: ☒ 76: ☐ 102: ☐ 126: ☐	Net Height (m): All are 2m		
Easting: <u>14W 0638354</u>	<u>14W 0638319</u>	Set date:	Net depth at each end (m):		
Northing: <u>7212793</u>	<u>7212746</u>	Set time:	Surface temp:		
Recorder:	Lift date:	Lift time:		Wind direction / speed:	
Field Staff:	General comments:				

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AEM 2010

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death: (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶				
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N				
BURB	01	51	191	31				N		Y											
NO CATCH																					
BURB	01	38	192	60				N		Y											
RNMH	02	38	215	100		IMM		Y	net	N											
LKTR	03	38	173	50		IMM		Y	net	N											
BURB	04	38	153	18				N		Y											
BURB	05	38	148	19				N		Y											

(H)
Oct 01/10
14:55 SCL

(I)
Oct 02/10
10:30 SCL

(J)
Oct 04/10

pulled

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish; none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay Goose Basin Fish-out 2010

Bay Goose Basin Fish-o

A. Gupta et al.

S/XZ

Type of _____

6. Fish sample data

Notes: 1. See mesh size columns in section A. 2. Fork length for trout, char and whitefish; total length for others. 3. Fill out fields we see; repro status and maturity based on "mking" for most fish. 4. Growth bands for LT and AC obtained only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some otoliths to be processed in field, some to be sent to lab - see para. 007. Liver samples should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Bay-Goose Basin Fish-out 2010

Meadowbank Project Fish-Out CPU 2 Pre-Field Data Sheet

Mar 2011
Meadowbank Division

A. Boat set date

Location / ID: **BL2200**

Start location: **Wpt. 332** End of Net: **Wpt. 333** (in NAD 83) **Wpt. 333**

Number of gears by mesh size (for 3Ns): **15**

Net Length (m): **75 yrd**

Net Height (m): **5.9m**

Net Area (m²): **19.2 ft**

Start date: **Sept. 17/10**

Start time: **1608**

End date: **Oct 04, 2010**

End time: **1530**

Surface temp: **9.0°C**

Wind direction / speed: **10 km/hr NNW**

Boat name: **Ym.**

Field Staff: **XX, BG.**

General comments:

B. Fish sample data

Those fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological assessment							Comments (if sliding results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Not handlined / transfer)	Successfully transferred to TPL?	Aging Structure	Stomach weight (or % fat) & contents - indicate if preserved for laboratory	Ovary weight (g)	Weight of 100 eggs	Live weight (g)	Liver meta-sample?	Tissue meta-sample?	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Code					Y/N	Y/N	
BURB	01	51	254	200	-	-	-	N		Y								
BURB	01	51	285	150	-	FR	-	Y	ref	N								
~~NO CATCH~~																		
ARCH	01	38	175	25	-	-	-	N		Y								
BURB	01	38	210	50	-	-	-	N		Y								
RNWH	02	51	332	375	-	M7	-	Y	ref	Y								
BURB	03	51	267	90	-	-	-	N		Y								
~~NO CATCH~~																		

Notes: 1. See mesh size options in section A. 2. Fork length for trout, cut and wharfish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan 5/7. Liver sample should be coded as "fish sample ID" - "L". Tissue samples should be coded as "fish sample ID" - "T".

Bay-Goose Basin Fish-out 2010

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

Mar 2011
Meadowbank Division

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A. Gear set data

Location / ID: **BL 220**

Number of panels by mesh size (for CPUE): 25 36 51 76 102 126

Net Length (m):

Net Height (m): All are 2m

Net depth at each end (m):

Surface temp:

Wind direction / speed:

Recorder:

Field Staff:

General comments:

Fish sample data

These fields for every fish					Field fish data			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size	Length	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (from handling / transfer)	Successfully transferred to TPL?	Ageing Structure	Stomach weight for % full & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver malis sample?	Tissue malis sample?		
		(mm)	(mm)	(g)	LOF	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
No catch																			
ARCH	01	38	200	75	-	-	-	N		Y									
RNWH	01	25	145	25	-	F1	-	Y	het	N									
ARCH	01	38	192	67		M6		Y	net	N									
BURB	02	38	222	70				N		Y									
BURB	01	25	232	60				N		Y									
RNWH	02	38	187	66				N		X									
LETR	03	51	225	120				N		Y									
BURB	01	38	237	85				N		Y									
RNWH	02	38	197	70				N		Y									
No catch																			
ARCH	01	38	200	75				N		Y									

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "marking" for most fish. 4. otolith and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

*not sampled Sept 28

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Location / ID.		220		Number of panels by mesh size (for GWS):		Net Length (m)	
Start location		End of Net (in NIAD 83)		25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 126: ☒		Net Height (m). All are 2m	
Easting		14W 0638397		Set date		Net depth at each end (m): /	
Northing:		7212918		Set time:		Surface temp.	
Recorder:		7212852		Alt date:		Wind direction / speed	
Field Staff		Left time		General comments			

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysts: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	
RNWH	01	76	310	303	---			N	---	Y	---							
NO CATCH																		
RNWH	01	25	156	38	---			N	---	Y								
ARCH	02	51	280	119	---			N	---	Y								

Notes: 1. See mesh size options in section A.2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, nepro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data

Location / ID: 221		Number of panels by mesh size (for GNA): 6		Net Length (m):	
Start location: 14W0638673		End of Net (in NAD 83): 140638554		Net Height (m): All are 2m	
Eastings: 7212623		Set date: Sept. 22/10		Net depth at each end (m): 56.3 / 4.1 End.	
Northings: 7212470		Set time: 0900		Surface temp: 7°C	
Recorder: S.A.		Lift date: Sept 29, 2010		Wind direction / speed: NNW 10 KWH	
Field Staff: S.A.		Lift time: 1450		General comments:	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
NO CATCH																			
ARCH	01	25	120	19		IMM		Y	net	N									
ARCH	02	25	110	14		FI		Y	net	N									
ARCH	01	25	165	36		FI		Y	net	N									
ARCH	02	25	120	17				N		Y									
LKTR	03	51	182	61		FI		Y	net	N									
URB		51	268	110				N		Y									
ARCH	01	25	146	30				N		Y									
ARCH	02	25	145	26				N		Y									
ARCH	03	38	156	35				N		Y									
NO catch																			
NO catch																			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milling" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 5/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project Fish-Out CPUE Phase Field Data Sheet

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A. Gear set data:

Location / ID	82 222		Number of panels by mesh size (for GNE)	Net Length (m)
Start location	340	End of Net (in NAD 83)	341	Net Height (m): All are 2m
Easting	638848	638883	Set date	SEPT 29, 2010
Northing	7213305	7213373	Set time	10:45 AM
Recorder	SAL		Lift date	OCT 04, 2010
Field Staff	Zack + SUC		Lift time	1430
			General comments	

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
ARCH	01	38	209	86	F			X	net	N										
ARCH	02	25	133	20	IMM			Y	net	N										
no catch																				
BNNM	01	51	231	119				N		Y										
ARCH	02	38	192	70				N		Y										
BURB	01	51	270	140				N		Y										
BURB	02	38	375	450				N		Y										
ARCH	03	25	128	24	IMM			X	net	N										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7 Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

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Location / ID: <u>273</u>		Number of panels by mesh size (for GNs):		Net Length (m)	
THW	Start location	End of Net (in NAD 83)	<u>25 30 35 40 45 50 55 60 65 70 75 80 85 90 95 100 105 110 115 120 125 130 135 140 145 150 155 160 165 170 175 180 185 190 195 200 205 210 215 220 225 230 235 240 245 250 255 260 265 270 275 280 285 290 295 300 305 310 315 320 325 330 335 340 345 350 355 360 365 370 375 380 385 390 395 400 405 410 415 420 425 430 435 440 445 450 455 460 465 470 475 480 485 490 495 500 505 510 515 520 525 530 535 540 545 550 555 560 565 570 575 580 585 590 595 600 605 610 615 620 625 630 635 640 645 650 655 660 665 670 675 680 685 690 695 700 705 710 715 720 725 730 735 740 745 750 755 760 765 770 775 780 785 790 795 800 805 810 815 820 825 830 835 840 845 850 855 860 865 870 875 880 885 890 895 900 905 910 915 920 925 930 935 940 945 950 955 960 965 970 975 980 985 990 995 1000</u>		Net Height (m): All are 2m
Easting:	<u>0638271</u>	<u>7213074</u>	Set date: <u>SEPT 29 2010</u>		Net depth at each end (m): <u>3.5 / 6.1</u>
Northing:	<u>0638360</u>	<u>7212938</u>	Set time: <u>10:10</u>		Surface temp: <u>5°C</u>
Recorder:	<u>SUE</u>		Lift date: <u>Oct 04 2010</u>		Wind direction / speed:
Field Staff:	<u>SUE + Zack</u>		Lift time: <u>15:45</u>		General comments:

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear net data

Location / ID: 224		Number of panels by mesh size (for GVEs):		Net Length (m).	
Start location: AW	End of Net (in NAD 83): AW	25: 38-51, 76: 102-126, 5		Net Height (m). All are 2m	
Easting: 0638568	7212472	Set date: Sep 29, 2010		Net depth at each end (m): 1.5 4 4.2	
Northing: 0638707	7212487	Set time: 1400		Surface temp: 5.0	
Recorder:		Lift date: Oct 04, 2010		Wind direction / speed	
Field Staff: Sue + Zade		Lift time: 19:15		General comments:	

8. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment ¹							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL ²	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	
	no catch																	
	NO catch																	
PNWH	01	58	176	45				N		X								
LIKTR	12	76	265	177		M10		Y	net	N								many cysts in gut lining
ABCHM	01	51	150	52				N		SY								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T"

A. Great wet data

Location / ID: 225			Number of panels by mesh size (for GNA):			Net Length (m)		
Start location	End of Net (in NAD 83)		5	25	38	51	75	102
Easting			Set date			Net Height (m): All are 2m		
Northing			Set time			Net depth at each end (m)		
Recorder			Lift date			Surface temp		
Field Staff:			Lift time			Wind direction / speed		
			General comments					

[illegible]

Notes. 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

PM

Meadowbank Project, Fish-Owl CPUE Phase Final Data Sheet

A. Gear set data

Location / ID		226		Number of panels by mesh size (for GYs)		Net Length (m):	
390	Start location	14W	End of Net (in NAD 83)	396	25 ✓ 39 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓	Net Height (m): All are 2m	
Easting:	638583		638435	Set date:	Sept 29, 2010	Net depth at each end (m): 4.6 / 8.0	
Nothing:	721245A		7212498	Set time:	14:58	Surface temp: 5°C	
Recorder:	Sue			Left date:	Oct 04, 2010	Wind direction / speed:	
Field Staff:	Sue H + Zack			Left time:	1820	General comments:	

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B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)					Y/N	
LNWH	01	25	161		imm.			X	net	N								
LKTR	01	25	129	19				N		Y								
ARCH	01	51	317	275	MID			X	net	N								
LKTR	02	25	165	45				N		Y								
BWRB	01	51	220	80	unknown			X	net	N								
BWRB	02	58	220	65				N		Y								

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

A. Gear set data

Location / ID		227		22066		Number of panels by mesh size (for GNE)		Net Length (m):	
Start location		305		End of Net (in NAD 83)		306		Net Height (m): All are 2m	
Easting:		638604		Northing:		722227		Net depth at each end (m): 1.18/4.8	
Recorder:		SWE		Lift date:		Oct 29, 2010		Wind direction / speed:	
Field Staff:		Zack + SWE		Lift time:		1655		General comments:	

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample? ⁵	Tissue metals sample? ⁶		
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N		
~~LKTR~~	~~101~~	~~127~~	~~128~~	~~22~~	~~imm~~			~~Y~~	~~net~~	~~N~~									
LKTR	101	25	137	22	imm			Y	net	N									
no catch.																			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

2751

Location / ID: 228

Start location: 382 End of Net (in NAD 83): 684

Easting: 0638651 Northing: 7212186

Recorder: SUE

Field Staff: SUE + Zack

Number of panels by mesh size (for GNS): 25 38 51 76 102 125

Set date: Sept 29

Set time: 1540

Lift date: Oct 01, 2010

Lift time: 1635

Net Length (m):

Net Height (m): All are 2m

Net depth at each end (m): 34 / 26

Surface temp: 5°C

Wind direction / speed:

General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)		
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
	NO catch																			
	NO catch																			

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

PN

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Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID.	229		Number of panels by mesh size (in GNs)	5 13 25 38 51 78 102 126		Net Length (m)
Start location	378	End of Net (in NAD 83)	379			Net Height (m). All are 2m
Easting	638550		638497		Set date	Net depth at each end (m). 6.8 / 5.7
Northing	7212297		7212228		Set time	Surface temp. SW
Recorder	SAL		Lift date		Oct 02, 2010	Wind direction / speed
Field Staff	SAL + ZACK		Lift time		1600	General comments.

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

PM

Meadowbank Project, Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID			Number of panels by mesh size (log ₁₀ %)			Net Length (m)	
230			$\begin{matrix} 25 & 30 & 51 & 75 & 102 & 125 \\ \checkmark & \checkmark & \checkmark & \checkmark & \checkmark & \checkmark \end{matrix}$			Net Height (m). All are 2m	
Start location			End of Net (in NAD 83)			Net depth at each end (m)	
360			381			5.4 / 3.9	
Easting			Set date			Surface temp:	
0638519			Sept 29, 2010				
Northing			Set time			Wind direction / speed.	
7212209			16:10				
Recorder			Lift date				
Sue			Oct 04, 2010				
Field Staff			Lift time			General comments:	
Sue, Zack			1845				

B. Fish sample data

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 281 E (25, 38, 13) S

14W	Start location	End of Net (in NAD 83)	Number of panels by mesh size (for GNS)	Net Length (m)
	638804	638832	E 25 V 38 51 78 102 126 413 S	Net Height (m): All are 2m
Easting	7212974	7212914	Set date: <u>Sept 30, 2010</u>	Net depth at each end (m): <u>2.1 / 2.9</u>
Northing			Set time: <u>10:30</u>	Surface temp: <u>5°C</u>
Recorder	<u>SW</u>		Lift date: <u>Oct 04, 2010</u>	Wind direction / speed
Field Staff	<u>SW, Zack</u>		Lift time: <u>15:15</u>	General comments:

B. Fish sample data

These fields for every fish					Field fish data ³			Fish Transfer			Lab Analysis: Biological Assessment								Comments (including results of internal / external examinations including DELT)	
Species Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net/ handling/ transfer)	Successfully transferred to TPL?	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶			
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N			
~~RNWH~~	01	~~25~~	92	7				N		X										
~~RNWH~~	02	25	93	8				N		X										
ARCH																				
BURB	01	25	135	17				N		X										
~~RNWH~~	02	13	102	10	F3			Y	net	N										
BURB	01	25	232	15				N		X										
RNWH	02	13	99	5	F3			Y	net	N										
RNWH	03	13	110	8	F3			Y	net	N										

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish, total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field; some to be sent to lab - see plan 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

Location / ID: 232		Number of panels by mesh size (for GNA):		Net Length (m):	
14W	Start location	End of Net (in NAD 83)	25. ☒ 38. ☒ 51. ☒ 76. ☒ 102. ☒ 126. ☒ 150. ☒ 176. ☒ 202. ☒ 228. ☒ 254. ☒ 280. ☒ 306. ☒ 332. ☒ 358. ☒ 384. ☒ 410. ☒ 436. ☒ 462. ☒ 488. ☒ 514. ☒ 540. ☒ 566. ☒ 592. ☒ 618. ☒ 644. ☒ 670. ☒ 696. ☒ 722. ☒ 748. ☒ 774. ☒ 800. ☒ 826. ☒ 852. ☒ 878. ☒ 904. ☒ 930. ☒ 956. ☒ 982. ☒ 1008. ☒ 1034. ☒ 1060. ☒ 1086. ☒ 1112. ☒ 1138. ☒ 1164. ☒ 1190. ☒ 1216. ☒ 1242. ☒ 1268. ☒ 1294. ☒ 1320. ☒ 1346. ☒ 1372. ☒ 1398. ☒ 1424. ☒ 1450. ☒ 1476. ☒ 1502. ☒ 1528. ☒ 1554. ☒ 1580. ☒ 1606. ☒ 1632. ☒ 1658. ☒ 1684. ☒ 1710. ☒ 1736. ☒ 1762. ☒ 1788. ☒ 1814. ☒ 1840. ☒ 1866. ☒ 1892. ☒ 1918. ☒ 1944. ☒ 1970. ☒ 1996. ☒ 2022. ☒ 2048. ☒ 2074. ☒ 2100. ☒ 2126. ☒ 2152. ☒ 2178. ☒ 2204. ☒ 2230. ☒ 2256. ☒ 2282. ☒ 2308. ☒ 2334. ☒ 2360. ☒ 2386. ☒ 2412. ☒ 2438. ☒ 2464. ☒ 2490. ☒ 2516. ☒ 2542. ☒ 2568. ☒ 2594. ☒ 2620. ☒ 2646. ☒ 2672. ☒ 2698. ☒ 2724. ☒ 2750. ☒ 2776. ☒ 2802. ☒ 2828. ☒ 2854. ☒ 2880. ☒ 2906. ☒ 2932. ☒ 2958. ☒ 2984. ☒ 3010. ☒ 3036. ☒ 3062. ☒ 3088. ☒ 3114. ☒ 3140. ☒ 3166. ☒ 3192. ☒ 3218. ☒ 3244. ☒ 3270. ☒ 3296. ☒ 3322. ☒ 3348. ☒ 3374. ☒ 3400. ☒ 3426. ☒ 3452. ☒ 3478. ☒ 3504. ☒ 3530. ☒ 3556. ☒ 3582. ☒ 3608. ☒ 3634. ☒ 3660. ☒ 3686. ☒ 3712. ☒ 3738. ☒ 3764. ☒ 3790. ☒ 3816. ☒ 3842. ☒ 3868. ☒ 3894. ☒ 3920. ☒ 3946. ☒ 3972. ☒ 3998. ☒ 4024. ☒ 4050. ☒ 4076. ☒ 4102. ☒ 4128. ☒ 4154. ☒ 4180. ☒ 4206. ☒ 4232. ☒ 4258. ☒ 4284. ☒ 4310. ☒ 4336. ☒ 4362. ☒ 4388. ☒ 4414. ☒ 4440. ☒ 4466. ☒ 4492. ☒ 4518. ☒ 4544. ☒ 4570. ☒ 4596. ☒ 4622. ☒ 4648. ☒ 4674. ☒ 4700. ☒ 4726. ☒ 4752. ☒ 4778. ☒ 4804. ☒ 4830. ☒ 4856. ☒ 4882. ☒ 4908. ☒ 4934. ☒ 4960. ☒ 4986. ☒ 5012. ☒ 5038. ☒ 5064. ☒ 5090. ☒ 5116. ☒ 5142. ☒ 5168. ☒ 5194. ☒ 5220. ☒ 5246. ☒ 5272. ☒ 5298. ☒ 5324. ☒ 5350. ☒ 5376. ☒ 5402. ☒ 5428. ☒ 5454. ☒ 5480. ☒ 5506. ☒ 5532. ☒ 5558. ☒ 5584. ☒ 5610. ☒ 5636. ☒ 5662. ☒ 5688. ☒ 5714. ☒ 5740. ☒ 5766. ☒ 5792. ☒ 5818. ☒ 5844. ☒ 5870. ☒ 5896. ☒ 5922. ☒ 5948. ☒ 5974. ☒ 6000. ☒ 6026. ☒ 6052. ☒ 6078. ☒ 6104. ☒ 6130. ☒ 6156. ☒ 6182. ☒ 6208. ☒ 6234. ☒ 6260. ☒ 6286. ☒ 6312. ☒ 6338. ☒ 6364. ☒ 6390. ☒ 6416. ☒ 6442. ☒ 6468. ☒ 6494. ☒ 6520. ☒ 6546. ☒ 6572. ☒ 6598. ☒ 6624. ☒ 6650. ☒ 6676. ☒ 6702. ☒ 6728. ☒ 6754. ☒ 6780. ☒ 6806. ☒ 6832. ☒ 6858. ☒ 6884. ☒ 6910. ☒ 6936. ☒ 6962. ☒ 6988. ☒ 7014. ☒ 7040. ☒ 7066. ☒ 7092. ☒ 7118. ☒ 7144. ☒ 7170. ☒ 7196. ☒ 7222. ☒ 7248. ☒ 7274. ☒ 7300. ☒ 7326. ☒ 7352. ☒ 7378. ☒ 7404. ☒ 7430. ☒ 7456. ☒ 7482. ☒ 7508. ☒ 7534. ☒ 7560. ☒ 7586. ☒ 7612. ☒ 7638. ☒ 7664. ☒ 7690. ☒ 7716. ☒ 7742. ☒ 7768. ☒ 7794. ☒ 7820. ☒ 7846. ☒ 7872. ☒ 7898. ☒ 7924. ☒ 7950. ☒ 7976. ☒ 8002. ☒ 8028. ☒ 8054. ☒ 8080. ☒ 8106. ☒ 8132. ☒ 8158. ☒ 8184. ☒ 8210. ☒ 8236. ☒ 8262. ☒ 8288. ☒ 8314. ☒ 8340. ☒ 8366. ☒ 8392. ☒ 8418. ☒ 8444. ☒ 8470. ☒ 8496. ☒ 8522. ☒ 8548. ☒ 8574. ☒ 8600. ☒ 8626. ☒ 8652. ☒ 8678. ☒ 8704. ☒ 8730. ☒ 8756. ☒ 8782. ☒ 8808. ☒ 8834. ☒ 8860. ☒ 8886. ☒ 8912. ☒ 8938. ☒ 8964. ☒ 8990. ☒ 9016. ☒ 9042. ☒ 9068. ☒ 9094. ☒ 9120. ☒ 9146. ☒ 9172. ☒ 9198. ☒ 9224. ☒ 9250. ☒ 9276. ☒ 9302. ☒ 9328. ☒ 9354. ☒ 9380. ☒ 9406. ☒ 9432. ☒ 9458. ☒ 9484. ☒ 9510. ☒ 9536. ☒ 9562. ☒ 9588. ☒ 9614. ☒ 9640. ☒ 9666. ☒ 9692. ☒ 9718. ☒ 9744. ☒ 9770. ☒ 9796. ☒ 9822. ☒ 9848. ☒ 9874. ☒ 9900. ☒ 9926. ☒ 9952. ☒ 9978. ☒ 10004. ☒ 10030. ☒ 10056. ☒ 10082. ☒ 10108. ☒ 10134. ☒ 10160. ☒ 10186. ☒ 10212. ☒ 10238. ☒ 10264. ☒ 10290. ☒ 10316. ☒ 10342. ☒ 10368. ☒ 10394. ☒ 10420. ☒ 10446. ☒ 10472. ☒ 10498. ☒ 10524. ☒ 10550. ☒ 10576. ☒ 10602. ☒ 10628. ☒ 10654. ☒ 10680. ☒ 10706. ☒ 10732. ☒ 10758. ☒ 10784. ☒ 10810. ☒ 10836. ☒ 10862. ☒ 10888. ☒ 10914. ☒ 10940. ☒ 10966. ☒ 10992. ☒ 11018. ☒ 11044. ☒ 11070. ☒ 11096. ☒ 11122. ☒ 11148. ☒ 11174. ☒ 11200. ☒ 11226. ☒ 11252. ☒ 11278. ☒ 11304. ☒ 11330. ☒ 11356. ☒ 11382. ☒ 11408. ☒ 11434. ☒ 11460. ☒ 11486. ☒ 11512. ☒ 11538. ☒ 11564. ☒ 11590. ☒ 11616. ☒ 11642. ☒ 11668. ☒ 11694. ☒ 11720. ☒ 11746. ☒ 11772. ☒ 11798. ☒ 11824. ☒ 11850. ☒ 11876. ☒ 11902. ☒ 11928. ☒ 11954. ☒ 11980. ☒ 12006. ☒ 12032. ☒ 12058. ☒ 12084. ☒ 12110. ☒ 12136. ☒ 12162. ☒ 12188. ☒ 12214. ☒ 12240. ☒ 12266. ☒ 12292. ☒ 12318. ☒ 12344. ☒ 12370. ☒ 12396. ☒ 12422. ☒ 12448. ☒ 12474. ☒ 12500. ☒ 12526. ☒ 12552. ☒ 12578. ☒ 12604. ☒ 12630. ☒ 12656. ☒ 12682. ☒ 12708. ☒ 12734. ☒ 12760. ☒ 12786. ☒ 12812. ☒ 12838. ☒ 12864. ☒ 12890. ☒ 12916. ☒ 12942. ☒ 12968. ☒ 12994. ☒ 13020. ☒ 13046. ☒ 13072. ☒ 13098. ☒ 13124. ☒ 13150. ☒ 13176. ☒ 13202. ☒ 13228. ☒ 13254. ☒ 13280. ☒ 13306. ☒ 13332. ☒ 13358. ☒ 13384. ☒ 13410. ☒ 13436. ☒ 13462. ☒ 13488. ☒ 13514. ☒ 13540. ☒ 13566. ☒ 13592. ☒ 13618. ☒ 13644. ☒ 13670. ☒ 13696. ☒ 13722. ☒ 13748. ☒ 13774. ☒ 13800. ☒ 13826. ☒ 13852. ☒ 13878. ☒ 13904. ☒ 13930. ☒ 13956. ☒ 13982. ☒ 14008. ☒ 14034. ☒ 14060. ☒ 14086. ☒ 14112. ☒ 14138. ☒ 14164. ☒ 14190. ☒ 14216. ☒ 14242. ☒ 14268. ☒ 14294. ☒ 14320. ☒ 14346. ☒ 14372. ☒ 14398. ☒ 14424. ☒ 14450. ☒ 14476. ☒ 14502. ☒ 14528. ☒ 14554. ☒ 14580. ☒ 14606. ☒ 14632. ☒ 14658. ☒ 14684. ☒ 14710. ☒ 14736. ☒ 14762. ☒ 14788. ☒ 14814. ☒ 14840. ☒ 14866. ☒ 14892. ☒ 14918. ☒ 14944. ☒ 14970. ☒ 15000. ☒ 15030. ☒ 15060. ☒ 15090. ☒ 15120. ☒ 15150. ☒ 15180. ☒ 15210. ☒ 15240. ☒ 15270. ☒ 15300. ☒ 15330. ☒ 15360. ☒ 15390. ☒ 15420. ☒ 15450. ☒ 15480. ☒ 15510. ☒ 15540. ☒ 15570. ☒ 15600. ☒ 15630. ☒ 15660. ☒ 15690. ☒ 15720. ☒ 15750. ☒ 15780. ☒ 15810. ☒ 15840. ☒ 15870. ☒ 15900. ☒ 15930. ☒ 15960. ☒ 15990. ☒ 16020. ☒ 16050. ☒ 16080. ☒ 16110. ☒ 16140. ☒ 16170. ☒ 16200. ☒ 16230. ☒ 16260. ☒ 16290. ☒ 16320. ☒ 16350. ☒ 16380. ☒ 16410. ☒ 16440. ☒ 16470. ☒ 16500. ☒ 16530. ☒ 16560. ☒ 16590. ☒ 16620. ☒ 16650. ☒ 16680. ☒ 16710. ☒ 16740. ☒ 16770. ☒ 16800. ☒ 16830. ☒ 16860. ☒ 16890. ☒ 16920. ☒ 16950. ☒ 16980. ☒ 17010. ☒ 17040. ☒ 17070. ☒ 17100. ☒ 17130. ☒ 17160. ☒ 17190. ☒ 17220. ☒ 17250. ☒ 17280. ☒ 17310. ☒ 17340. ☒ 17370. ☒ 17400. ☒ 17430. ☒ 17460. ☒ 17490. ☒ 17520. ☒ 17550. ☒ 17580. ☒ 17610. ☒ 17640. ☒ 17670. ☒ 17700. ☒ 17730. ☒ 17760. ☒ 17790. ☒ 17820. ☒ 17850. ☒ 17880. ☒ 17910. ☒ 17940. ☒ 17970. ☒ 18000. ☒ 18030. ☒ 18060. ☒ 18090. ☒ 18120. ☒ 18150. ☒ 18180. ☒ 18210. ☒ 18240. ☒ 18270. ☒ 18300. ☒ 18330. ☒ 18360. ☒ 18390. ☒ 18420. ☒ 18450. ☒ 18480. ☒ 18510. ☒ 18540. ☒ 18570. ☒ 18600. ☒ 18630. ☒ 18660. ☒ 18690. ☒ 18720. ☒ 18750. ☒ 18780. ☒ 18810. ☒ 18840. ☒ 18870. ☒ 18900. ☒ 18930. ☒ 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AEM 2010

Page 1 of 1

A. Green fish traps			Number of panels by mesh size (for GRIs):			Net Length (m)		
Location / ID: 233			E 25 ✓ 38 ✓ 51 ✓ 76 ✓ 102 ✓ 126 ✓ S			Net Height (m). All are 2m		
Start location		End of Net (in NAD 83)	Set date			Net depth at each end (m)		
0638558		0638442	Sept 30 2010			5.9m / 8m		
Easting			Set time			Surface temp.		
7212328		7212321	15:30			5°C		
Recorder: Sue			Lift date:			Wind direction / speed		
Field Staff: Sue + Zack			Lift time:			General comments		
			1630					

These fields for every fish

[illegible]

Notes: 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "making" for most fish. 4. Otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpin or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

Meadowbank Project: Fish-Out CPUE Phase Field Data Sheet

A. Gear set data

AEM 2010

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Location / ID	BL 234		Number of panels by mesh size (for GNs)		Net Length (m)
14W	Start location	End of Net (in NAD 83)	25: ☒ 38: ☒ 51: ☒ 76: ☒ 102: ☒ 125: ☒ 15		Net Height (m) All are 2m
Easting	638346	638455	Set date		Net depth at each end (m)
Northing	7212565	7212605	Set time		15.1, 4.0
Recorder	Sue		Lift date		Surface temp
Field Staff	Sue + Zack		Lift time		50C
			General comments		Wind direction / speed

B. Fish sample data

These fields for every fish					Field fish data ²			Fish Transfer			Lab Analysis: Biological Assessment							Comments (including results of internal / external examinations including DELT)
Specimen Code	Sample ID or Number	Mesh Size ¹	Length ²	Weight (g)	Sex	Repro Status	Maturity	Mortality	Cause of Death (Net handling / transfer)	Successfully transferred to TPL ³	Aging Structure ⁴	Stomach weight (or % full) & contents - indicate if preserved for taxonomy	Ovary weight (g)	Weight of 100 eggs	Liver Weight (g)	Liver metals sample ⁵	Tissue metals sample ⁶	
		(mm)	(mm)	(g)	M/F	Code	Code	Y/N		Y/N	Tag #	Code(s)				Y/N	Y/N	
	no catch																	

Notes. 1. See mesh size options in section A. 2. Fork length for trout, char and whitefish; total for all others. 3. Fill out fields for sex, repro status and maturity based on "milking" for most fish. 4. otoliths and fins for LT and AC, otoliths only for burbot and whitefish, none for sculpins or sticklebacks. 5. Some stomachs to be processed in field, some to be sent to lab - see plan. 6/7. Liver sample should be coded as "fish sample ID" + "L". Tissue samples should be coded as "fish sample ID" + "T".

APPENDIX 8.

2010 BAY-GOOSE BASIN FISH-OUT WATER CHEMISTRY, LIMNOLOGY AND LOWWER TROPHIC BIOLOGICAL MONITORING REPORT

AGNICO-EAGLE MINES: MEADOWBANK DIVISION

ENVIRONMENT DEPARTMENT

**2010 BAY-GOOSE BASIN FISH-OUT WATER CHEMISTRY,
LIMNOLOGY AND LOWER TROPHIC BIOLOGICAL MONITORING
REPORT**

MARCH 2011

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SECTION 1 • INTRODUCTION

1.1 BACKGROUND

Three fish out programs are planned for the Meadowbank Mine. Under DFO fisheries authorization the first fish-out program took place during the summer of 2008 in the northwest arm of Second Portage Lake, the Bay-Goose basin fish-out received approval from the DFO in June 2010 and the third fish-out is planned for the Vault Lake area in 2013.

DFO approved fish-out programs were completed for the Second Portage Lake Impoundment and Bay Goose basin in advance of conducting the monitoring and fisheries work. The fish-out programs conducted for the Meadowbank mine were guided by the draft Department of Fisheries and Oceans Canada (DFO) document entitled "General Fish-out Protocol for Lakes to be Lost Due to Mining Development", January 2008 (DFO,2008). The 2010 fish-out program also incorporated inputs from the local community and comments provided by DFO representatives and were optimized based on the information gathered during the 2008 Fish-out.

Agnico-Eagle Mines Ltd. (AEM) is committed to the collection of key scientific information to help improve the understanding of fish productivity in northern lakes. Similar to the 2008 northwest arm of Second Portage Lake Fish-out report, in 2010 AEM committed to collecting water quality, limnological, and lower trophic level biological data in the Bay-Goose area.

1.2 OBJECTIVES

In 2007 and 2008, prior to disturbance caused by dike construction or mine activity, data was collected for limnology, water chemistry, and benthos within Third Portage Lake East basin during open-water Core Receiving Environment Management Program (CREMP) sampling. Zooplankton was also collected in 2008 in Third Portage Lake East basin as an external reference for evaluating Second Portage Lake East Dike construction activity. These data provide a complete account of background limnology and aquatic assemblages in the Third Portage East basin prior to Bay-goose dike construction.

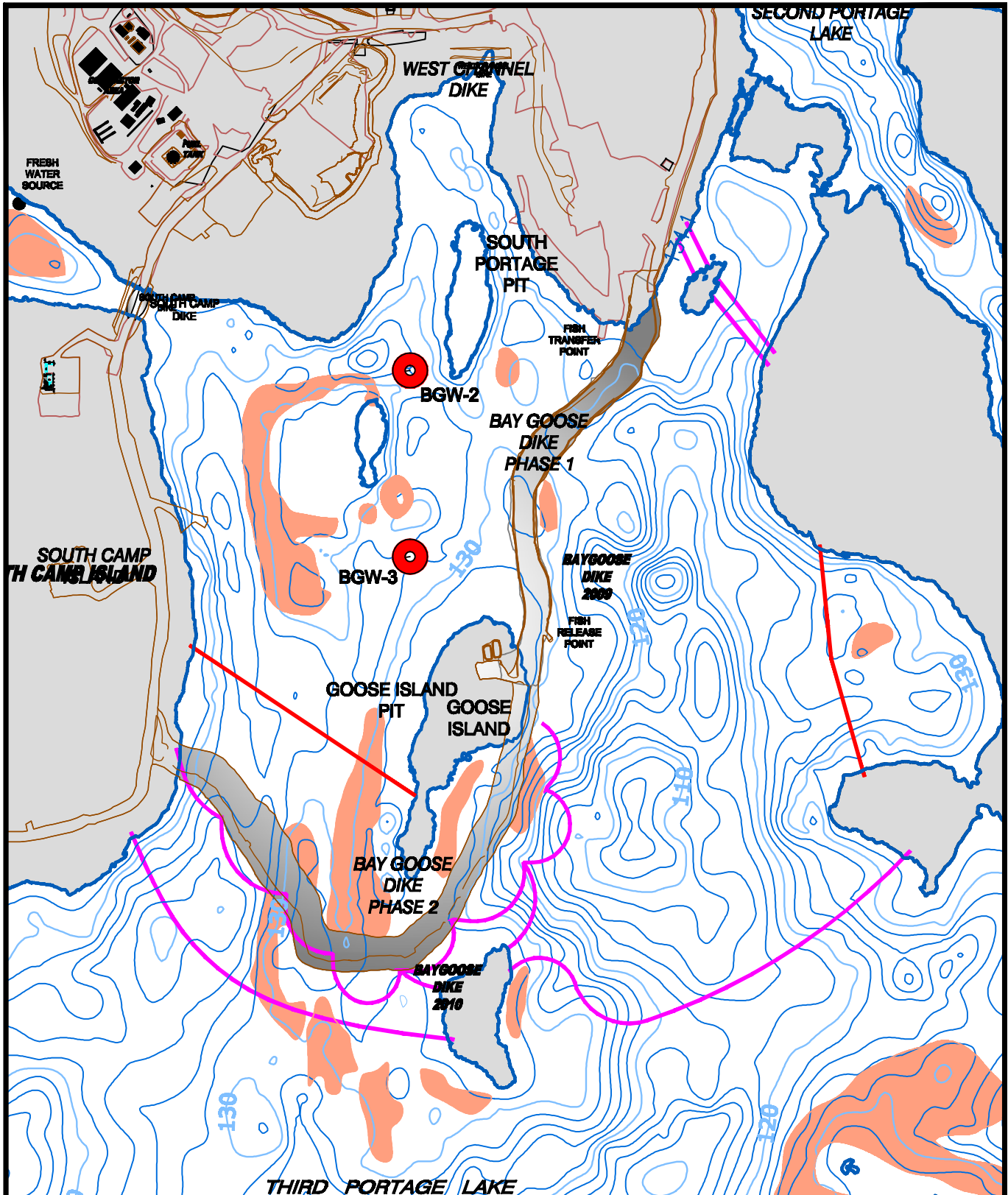
The monitoring data collected for the fish-out was to supplement the historical data and provide a caption of the water quality, limnology and lower trophic biology in support of habitat classification of the Bay-Goose area. A thorough classification of the Second Portage Impoundment was completed in 2009 using the respective fish-out data collected in 2008 to understand fish productivity. For a complete review of the productivity in Second Portage Lake, refer to AEM (2009).

As outlined in the Meadowbank Fish-out Program, this document reports the water chemistry, limnology and lower trophic biota monitoring data collected during the 2010 Bay-Goose fish-out and provides a general overview of the productivity of the system and compares the north portion to the southern portion of the Bay-Goose basin. This report does not attempt to compare or relate these data to previous work or provide productivity linkages to the fish data collected during the fish-out. Besides providing valuable monitoring data of the Bay-Goose basin, these data could be used for future habitat classification, productivity evaluation and research, if deemed necessary.

1.3 APPROACH AND SAMPLE LOCATIONS

The Bay-Goose basin that is enclosed by the Bay-Goose Dike is a small shallow bay that has three islands in the centre, extended shoals from these islands to the east and two deeper basins to the north and to the south west. For consistency between programs and in line with the DFO fish-out protocol (DFO, 2008), two representative areas in the within the Bay Goose basin were selected for sampling that provided sufficient depth for biological sampling of lower trophic levels and were stations that were previously sampled for water quality during dike construction in 2009.

Figure 1.3 illustrates the approximate sample locations (BGW-2 and BGW-3) for water quality sampling. BGW-2 location is representative of the northern basin of Bay-Goose and BGW-3 is representative of the south basin of Bay-Goose. Both stations are east of what is considered high value habitat.



LEGEND

- PUMP AND PIPELIN
- MONITORING STATION
- CURTAIN
- CURTAIN
- HIGH VALUE HABITAT



TITLE AGNICO-EAGLE - MEADOWBANK DIVISION FISHOUT LIMNOGY, WATER QUALITY, ZOOPL.			
FIGURE 1.3			
PROJECT No.	DATE MARCH. 5, 2009		
DRAWN BY P. DAUDELIN			SHEET 1 / 1
APPROVED BY			
DRAWING NO.			REVISION

SECTION 2 • METHODOLOGY

2.1 ISOLATION OF BAY-GOOSE

In 2010, during the ice-cover period, a causeway was built to provide wind and water current protection during the construction of the Bay-Goose dike (phase 2). This causeway was completed prior to open water and thus prevented fish movement between the Bay-Goose basin and receiving environment. As per the DFO fish-out program and water management plan (AEM, 2010 a & b), turbidity curtains were deployed to protect the fish in the Bay-Goose basin from elevated concentrations of TSS prior to them being fished out. As a result, the Bay-Goose basin was completely isolated and the lower trophic productivity data is representative of the productivity of this basin during the fish-out.

2.2 LIMNOLOGY AND WATER CHEMISTRY

Limnological data and water chemistry data were collected once per month, on July 15th, August 7th and September 4th, 2010 at two distinct areas of the Bay-Goose basin (stations BGW-2 and BGW-3). The stations were accessed with an aluminum boat with a four-stroke motor and depending on wind conditions the boat was anchored at the station. GPS coordinates were recorded with a handheld garmin and for consistency the same general location was sampled each month. Observational weather data and secchi depth (using a secchi disk with a metered line) were recorded.

The limnological data was collected in the field using a field YSI 556 MPS. Dissolved oxygen (mg/L), conductivity (mS/cm) and temperature (deg C) profiles were collected at 1 m intervals in each basin (stations BGW-2 and BGW-3). Water chemical parameters that were collected in the field and analyzed at a certified laboratory (ALS Winnipeg) included: general parameters, total phosphorus, total nitrogen, total dissolved solids (TDS), dissolved nutrients (ammonia, nitrate, nitrite, ortho-phosphate, silica), total dissolved nitrogen, dissolved calcium and magnesium, total and dissolved organic carbon (TOC, DOC) and chlorophyll a.

The Bay-Goose basin water chemistry samples were collected as part of the routine dike construction monitoring. A total of six (6) water quality samples were taken specifically for the Bay-Goose monitoring. The water chemistry parameters were collected at a 3 meter depth (approximately mid-water column) and consistent with routine core receiving environmental management program (CREMP) sampling. Water samples were collected using a diaphragm pump with Teflon-lined tubing. Jar types and preservation followed the ALS laboratory instructions and kept in the refrigerator or on ice prior-to and during shipment to the laboratory.

2.2.1 WATER CHEMISTRY QA/QC

The objective of quality assurance and quality control (QA/QC) for water chemistry monitoring is to ensure that the chemical and field data collected are representative of the material sampled. Data quality is assured throughout the collection and analysis of samples using standard procedures, certified laboratories and by staffing with trained technicians (AEM, 2008).

Field QA/QC duplicate results were assessed using the relative percent difference (RPD) between measurements: The equation used to calculate a RPD is:

$$\text{RPD} = [(A-B)/((A+B)/2)] \times 100$$

For the purposes of QA/QC screening a RPD of 50% for concentrations that exceed 10x the Method Detection Limits (MDL) is considered unacceptable. RPD values may be either positive or negative and ideally should provide a mix of the two, with values clustered around zero. Biases may be evident if there are consistently positive or negative values. Large variations in RPD values will often occur when duplicate sample concentrations are low and near the analytical detection limit. As an example, if the concentration of an analyte is 0.0005 and 0.0007 mg/L, there is a very small difference between these values, yet the RPD value is 33.3%; consideration for RPD outputs such as this example are important to judge.

As outlined in AEM (2008), a target of 10% field duplicates are submitted for QA/QC analysis to assess the variability and sample homogeneity.

2.3 LOWER TROPHIC LEVELS

2.3.1 Zooplankton

Zooplankton samples were collected using a 70 µm net, that has a 30 cm diameter mouth and a 220 cm length, with a collection vessel at the end of the net. For consistency, a location was selected nearest to the water quality station with a depth greater than 5 and less than 12m. Four vertical tows of 8m depth for zooplankton were taken on August 7th and 9th in the area of BGW-2 and BGW-3 sampling locations. The four samples were independent field replicate samples (not composited; i.e. a total of 8 zooplankton samples will be collected – 4 replicates x 2 locations). Field replicates were taken at least 50m from one-another and the location selection was mostly dependant on depth for consistency between replicates. All samples were uniquely labelled and placed in a 10% buffered formalin solution in plastic jars. Additionally, 1 sample (a composite of 2 vertical tows) per station was collected for taxonomic composition.

All jars were properly labelled and included water proof paper labels (marked with pencil) placed inside the jars as well as permanent marker labelling on the outside of the jars. All jars were screwed tight and taped to prevent leakage. Samples were submitted to North/South for taxonomic analysis and dry biomass (mg/m³) using the same methods employed in 2008 (AEM, 2009).

2.3.2 Benthic Invertebrates

According to the DFO protocol, benthic sampling is to be stratified according to prescribed depth interval (i.e., 5 – 10 m; 15 – 20 m; etc.) (DFO, 2008). However, the deepest depth in the Bay-Goose basin is 12 m, so benthic sampling was limited within one depth interval of 5 – 10 m.

As a result, five (5) grab samples were collected from the 5 – 10 m depth zones at BGW-2 and BGW-3 in August, for a total of 10 samples for benthic community biomass within the Bay-Goose basin. One sample (2 composite petite ponar grabs) were analyzed for taxonomic identification. Each grab sample was washed through a 500-micron sieve and then placed in a 10% buffered formalin solution

in plastic jars. All samples were labelled with water proof paper labels placed inside the jars as well labelled with permanent marker on the outside of the jars. All jars were screwed tight and taped to prevent leakage. The samples were sent to Zaranko Environmental Assessment Services (ZEAS) for taxonomic identification and the biomass samples were sent to North/South.

The DFO Protocol suggests the use of an Ekman grab. In AEM's experience, an Ekman grab is too light to work effectively in the windy conditions prevailing in the project lake area. Consistent with CREMP sampling and the 2008 fish-out sampling methodology, AEM used a Petite-Ponar grab sampler, which covers the same surface area (6" x 6") as an Ekman grab, but is heavier and therefore easier to control at depth prior to deployment in the sediments. While the volume of a Petite Ponar is less than the Ekman (i.e., 2.4 L compared to 3.5 L, respectively), the Ekman is unlikely to penetrate deeper into sediments than the Petite Ponar, thus making this extra volume inconsequential.

2.3.3 Lower Trophic QA/QC

Standard field procedures were used to collect the zooplankton and benthic biota. All sampling gear was thoroughly rinsed between sampling stations to ensure there was no inadvertent introduction of biota from the previous station or replicate.

With respect to QA/QC for zooplankton and benthos biomass estimates by North/South Consultants, Winnipeg MB, the same technician performed wet and dry weight measurements and conversions and the digital scale was calibrated each time between weights. The QA/QC procedure for data entry consists of technician #1 – data entry; technician #2 – checks every entry; and the senior biologist examines and finalizes the data file before delivery.

ZEAS Biological Consultants based in Ontario, incorporates the following set of QA/QC procedures in all benthic projects undertaken by the company to ensure the generation of high quality and reliable data: Samples were logged upon arrival, inspected, and enumerated; samples were checked for proper preservation; samples were stained to facilitate sorting; taxonomic identifications were based on the most updated and widely used keys; 10% of the samples were re-sorted, documenting 90% recovery; precision and accuracy estimates were calculated; a voucher was compiled; sorted sediments and debris are re-preserved in 10% formalin and are retained for up to three months.

SECTION 3 • RESULTS AND DISCUSSION

3.1 LIMNOLOGY

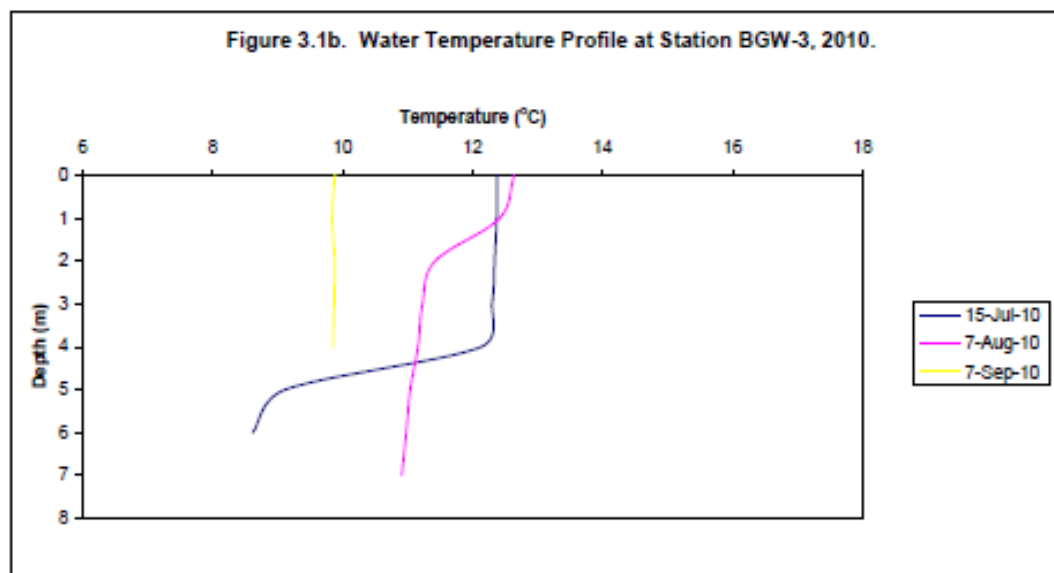
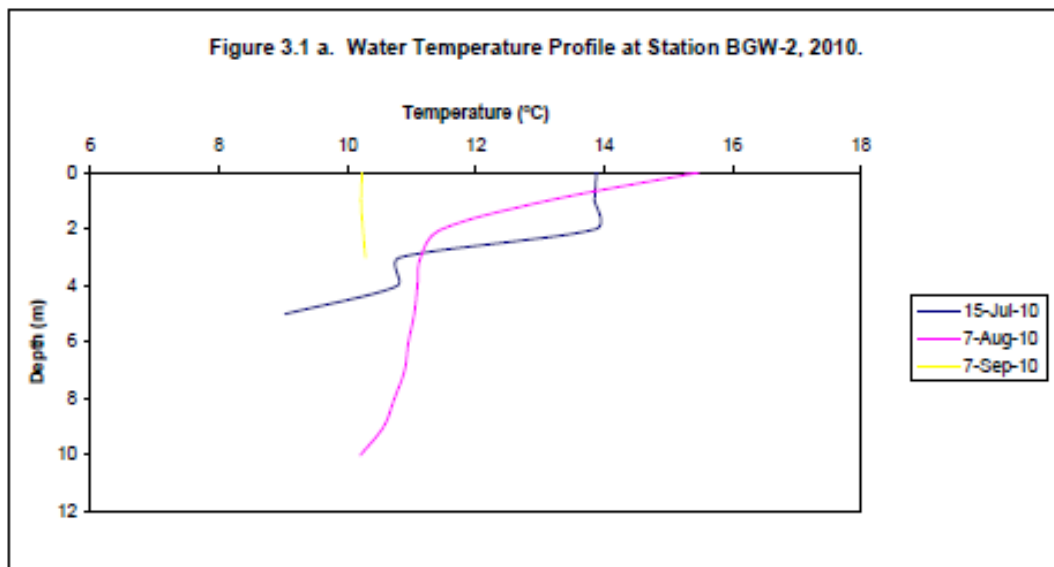
Water samples were collected at stations BGW-2 and BGW-3 on July 15, August 7 and September 4, 2010, to provide a representative caption of the north and south basin of Bay-Goose area. At the same time, depth and secchi disk readings were taken. These data are presented in Table 3.1. As well, vertical depth profiles were also taken at the two stations for Dissolved Oxygen, Temperature and Conductivity (See Figure 3.1a to f).

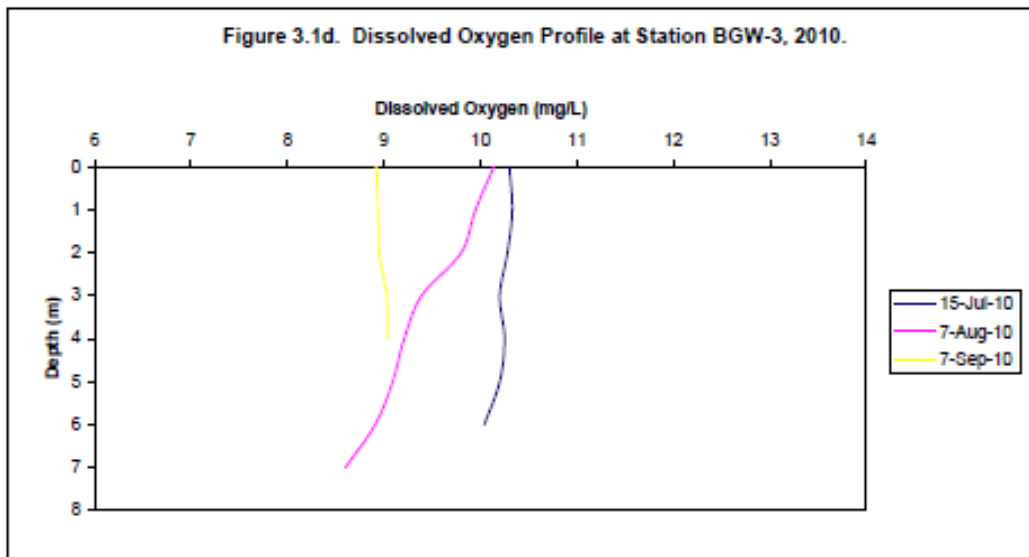
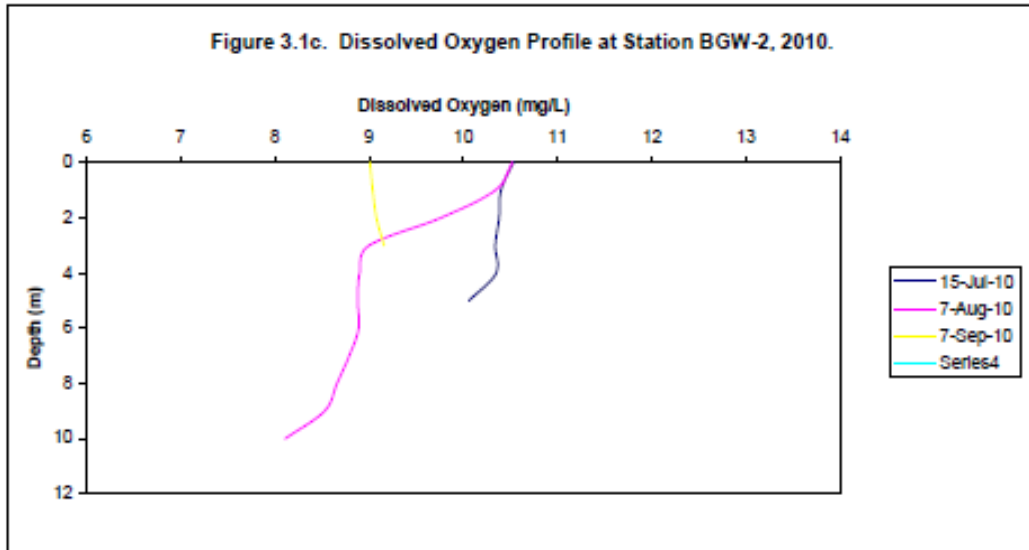
Table 3.1: Total Station Depth and Secchi Disk Data by Station

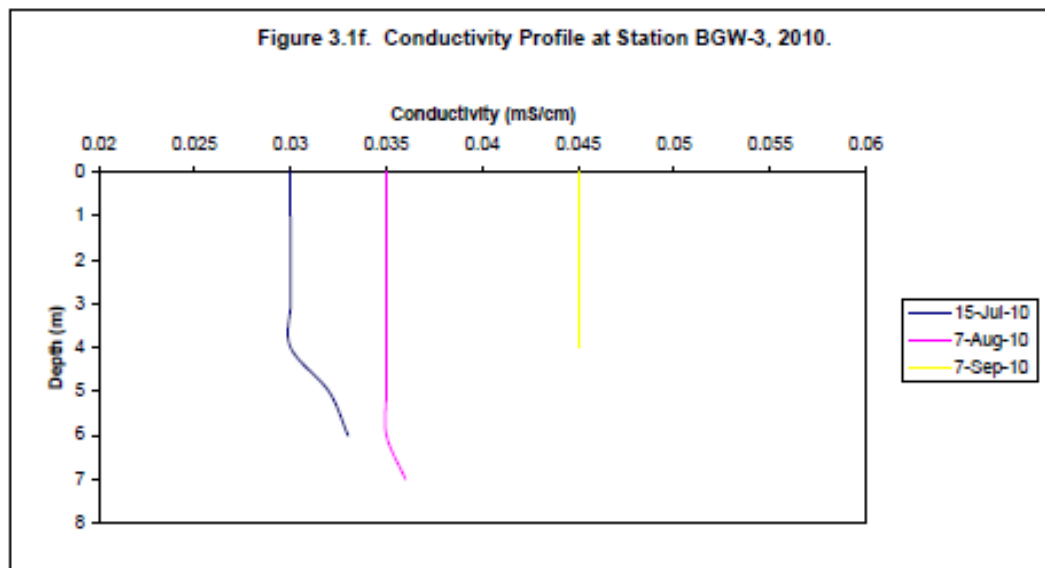
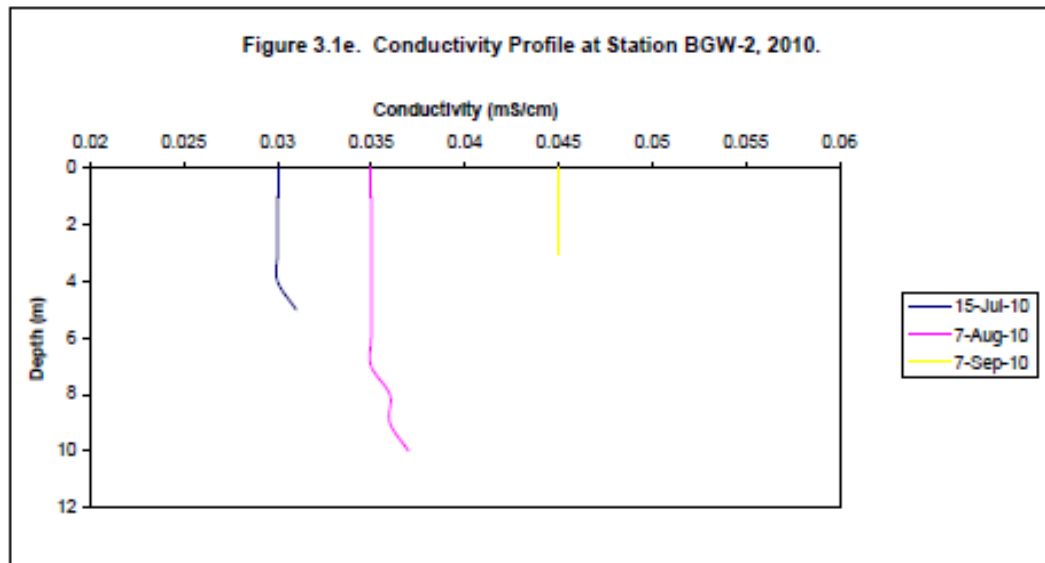
	Station ID			
	BGW-2		BGW-3	
Date	Depth	Secchi	Depth	Secchi
15-Jul	5.7	1.3	6.8	1
7-Aug	11.2	-	6.8	-
4-Sep	5	0.3	6	0.3

The limnology results indicate that by month, the north and south basin generally follow similar vertical profiles for temperature, dissolved oxygen and conductivity. Temperature profiles in July and August at BGW-2 and BGW-3 show a minor vertical temperature stratification at the surface with a 2 °C temperature change from 0 to 2m (See Figure 3.1a, b). This bay is somewhat protected from the predominant wind, which is from the northwest at Meadowbank and is the major source of water column mixing. Therefore, the minor observed stratification may reflect the reduced mixing due to calm weather leading up to the sampling. As expected, due to seasonal changes, wind and subsequent wave action, the water temperature decreased in September by 3.5 °C at BGW-2 and BGW-3 to about 10 °C with no stratification at either station. Dissolved oxygen profiles at stations BGW-2 and BGW-3 are nearly identical in July and September with no vertical stratification (fixed at 9 and 10.3 mg/L, respectively); the DO profiles in August show a small stratification at the surface, which generally follows the temperature profile (See Figure 3.1 c, d). The conductivity data slightly changed by season (30, 35 and 45 µS/cm for July, August and September respectively) but did not change by station (See Figure 3.1 e,f).

These results suggest very little difference in limnology from the north basin to the south basin of Bay Goose. It should be noted that due to dike construction, TSS remained elevated throughout Bay-goose basin compared to background (discussed in Section 3.2) throughout the open water season. The low secchi depth measurements that decreased from July to September and the temperature stratification at the surface in July and August is likely related to of the TSS levels.







3.2 WATER CHEMISTRY

Water samples were collected at stations BGW-2 and BGW-3 on July 15th, August 7th and September 4th, 2010 for general parameters, total phosphorus, total nitrogen, total dissolved solids (TDS), dissolved nutrients (ammonia, nitrate, nitrite, ortho-phosphate, silica), total dissolved nitrogen, dissolved calcium and magnesium, total and dissolved organic carbon (TOC, DOC) and chlorophyll a.

Water chemistry results for conductivity demonstrated similar trends to the field collected data; conductivity increased from 26.9 to 49.4 mhos/cm in July to August (See table 3.2). As discussed previously, total suspended solids were elevated compared to background concentrations (generally below detection) but did not exceed license limits at both stations in all three sampling events. pH was circumneutral throughout the summer (e.g. between 7.36 and 7.57) with low hardness and alkalinity, predominated by bicarbonate that slightly increased through the summer.

Nutrients were generally low throughout the summer. Total phosphorus exceeded the CCME (2007) guidelines at both stations throughout the open water season with the greatest increase occurring in September. Increased phosphorus may offset diminished light penetration with respect to productivity, however chlorophyll a concentrations did not indicate any changes in productivity from July until September.

Total aluminum exceeded CCME (2007) guidelines at all stations throughout the open water season. Total copper CCME (2007) guidelines were exceeded in both stations on September 4, 2010 and lead exceeded CCME (2007) at BGW-2 on September 4, 2010. The concentrations of these parameters do not follow total suspended solids concentrations that slightly decrease in September, therefore may be a result of dike construction inputs or are likely natural occurrences. Previous water chemistry results have also noted exceedances in total copper and aluminium within the project lakes. The CCME (2007) values are generally regarded as conservative measures for the protection of broad aquatic effects, thus exceedances such as these do not necessarily indicate potential ecological effects.

3.2.1 WATER CHEMISTRY QA/QC

All laboratory analysis were completed by ALS Laboratories: Winnipeg, Man which is an accredited laboratory by the Canadian Association for Laboratories Accreditation (CALA) Inc.. The results met laboratory QA/QC internal data quality objectives for precision and completeness. The certificate of analyses (COA) from ALS is presented in Appendix A. Note that portions of the COA related to other monitoring programs at meadowbank were removed. All related COA information is included in Appendix A.

One field duplicate water sample was collected to meet the target of 10 % duplicate for QA/QC purposes.. The field QA/QC results are summarized in Table 3.2.1. The results of this evaluation indicate a high consistency between the original field sample and the field duplicate sample. There were no 50% RPD exceedances for all parameters. All samples taken are considered representative.

Table 3.2: Water Chemistry Results for the Bay-Goose Basin-2010

Sample ID			BGW-2 7/15/2010	BGW-3 7/15/2010	BGW-2 07-AUG-10	BGW-3 07-AUG-10	BGW-2 04-SEP-10	BGW-3 04-SEP-10
Date Sampled			15:30	14:55	16:30	14:00	17:30	18:00
Time Sampled		Detection	L911040-1	L911040-2	L918296-8	L918296-9	L929414-8	L929414-9
ALS Sample ID		Limits						
CCME (2007) Guideline ¹								
Physical Tests								
Conductivity (mhos/cm)	NG	0.40	26.9	26.9	38.3	38.6	49.0	49.4
Hardness (as CaCO ₃) (mg/L)	NG	0.30	9.92	9.72	15.3	15.6	18.2	17.5
pH	6.5 - 9.0	0.10	7.36	7.34	7.49	7.50	7.54	7.57
Total Suspended Solids (mg/L)	15; 50	2.0	7.6	8.0	20.8	22.8	16.8	18.4
Total Dissolved Solids (mg/L)	NG	5.0	28.0	26.9	<5.0	<5.0	14.0	<5.0
Turbidity (NTU)	NG	0.10	5.72	5.55	19.2	19.5	29.0	28.7
Anions and Nutrients (mg/L)								
Alkalinity, Total (as CaCO ₃)	NG	1.0	9.7	9.6	13.1	13.2	16.3	16.4
Ammonia as N	8.24 @ pH 7.00 ⁵	0.050	<0.050	<0.050	0.082	0.076	0.160	0.158
Bicarbonate (HCO ₃)	NG	2.0	11.8	11.7	16.0	16.1	19.9	20.0
Carbonate (CO ₃)	NG	0.60	<0.60	<0.60	<0.60	<0.60	<0.60	<0.60
Chloride	NG	0.50	0.65	0.63	0.72	0.76	<1.0	<1.0
Fluoride	NG	0.10	<0.10	<0.10	<0.10	<0.10	<2.0	<2.0
Hydroxide (OH)	NG	0.40	<0.40	<0.40	<0.40	<0.40	<0.40	<0.40
Nitrate and Nitrite as N	290000	0.071	0.170	0.169	0.308	0.313	<1.4	<1.4
Nitrate-N	NG	0.050	0.170	0.169	0.308	0.313	<1.0	<1.0
Nitrite-N	NG	0.050	<0.050	<0.050	<0.050	<0.050	<1.0	<1.0
Total Kjeldahl Nitrogen	NG	0.20	<0.20	<0.20	0.23	0.25	0.26	0.23
Ortho Phosphorus Soluble As P	NG	0.010	0.0146	0.0132	0.0269	0.0293	0.0227	0.0206
Phosphorus, Total	0.004 ⁴	0.010	0.0147	0.0167	0.0142	0.0144	0.0218	0.0249
Sulfate	NG	0.50	2.27	2.20	3.00	3.03	2510	2320
Organic / Inorganic Carbon (mg/L)								
Dissolved Organic Carbon	NG	1.0	1.6	1.9	1.4	1.9	1.5	1.2
Total Organic Carbon	NG	1.0	1.8	1.4	1.6	2.0	1.2	<1.0
Total Metals (mg/L)								
Aluminum (Al)-Total	0.1 @ pH>6.5	0.0050	0.291	0.229	0.653	0.742	2.06	1.44
Antimony (Sb)-Total	NG	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic (As)-Total	0.005	0.00020	0.00147	0.00143	0.00286	0.00289	0.00317	0.00274
Barium (Ba)-Total	NG	0.00020	0.00489	0.00463	0.00883	0.00934	0.0176	0.0148
Beryllium (Be)-Total	NG	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth (Bi)-Total	NG	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron (B)-Total	NG	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Total	0.00017 ²	0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium (Ca)-Total	NG	0.10	2.95	2.79	3.63	3.70	5.09	4.76
Cesium (Cs)-Total	NG	0.00010	<0.00010	<0.00010	0.00017	0.00017	0.00038	0.00028
Chromium (Cr)-Total	0.001 ³	0.0010	0.0021	0.0015	0.0071	0.0079	0.0158	0.0103
Cobalt (Co)-Total	NG	0.00020	0.00024	0.00022	0.00056	0.00062	0.00146	0.00103
Copper (Cu)-Total	0.002 @ hrdns <120mg/L	0.00020	0.00122	0.00123	0.00187	0.00170	0.00431	0.00340
Iron (Fe)-Total	0.3	0.020	0.319	0.266	0.894	0.950	2.44	1.65
Lead (Pb)-Total	0.001 @ hrdns <60 mg/L	0.000090	0.000224	0.000235	0.000642	0.000592	0.00103	0.000904
Lithium (Li)-Total	NG	0.0020	0.0035	0.0035	<0.0020	0.0021	0.0039	0.0029
Magnesium (Mg)-Total	NG	0.010	1.01	0.965	1.52	1.55	2.63	2.25
Manganese (Mn)-Total	NG	0.00030	0.00950	0.00879	0.0168	0.0175	0.0301	0.0217
Mercury (Hg)-Total	NG	0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050	<0.000050
Molybdenum (Mo)-Total	0.073	0.00020	0.00039	0.00041	0.00069	0.00074	0.00117	0.00094
Nickel (Ni)-Total	0.025 @ hrdns <60mg/L	0.0020	<0.0020	<0.0020	0.0047	0.0048	0.0097	0.0066
Phosphorus (P)-Total	NG	0.20	<0.20	<0.20	<0.20	<0.20	<0.20	<0.20
Potassium (K)-Total	NG	0.020	0.701	0.645	0.917	0.940	1.58	1.37
Rubidium (Rb)-Total	NG	0.00020	0.00136	0.00127	0.00288	0.00312	0.00671	0.00525
Selenium (Se)-Total	0.001	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Total	NG	0.050	0.997	0.520	1.90	2.24	4.64	3.42
Silver (Ag)-Total	0.0001	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium (Na)-Total	NG	0.030	0.573	0.564	0.685	0.693	0.877	0.813
Strontium (Sr)-Total	NG	0.00010	0.0106	0.0110	0.0170	0.0173	0.0234	0.0216
Tellurium (Te)-Total	NG	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium (Tl)-Total	0.0008	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium (Th)-Total	NG	0.00010	0.00024	0.00018	0.00056	0.00064	0.00204	0.00153
Tin (Sn)-Total	NG	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium (Ti)-Total	NG	0.00020	0.00882	0.00651	0.0212	0.0247	0.0695	0.0490
Tungsten (W)-Total	NG	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Uranium (U)-Total	NG	0.00010	0.00053	0.00052	0.00086	0.00089	0.00107	0.00102
Vanadium (V)-Total	NG	0.00020	0.00052	0.00039	0.00113	0.00138	0.00298	0.00230
Zinc (Zn)-Total	0.03	0.0050	<0.0050	<0.0050	<0.0050	<0.0050	0.0053	<0.0050
Zirconium (Zr)-Total	NG	0.00040	0.00076	0.00055	0.00130	0.00133	0.00308	0.00299
Dissolved Metals (mg/L)								
Aluminum (Al)-Dissolved	-	0.0020	0.0087	0.0072	0.0954	0.0480	0.0052	0.0043

Table 3.2: Water Chemistry Results for the Bay-Goose Basin-2010

Sample ID			BGW-2	BGW-3	BGW-2	BGW-3	BGW-2	BGW-3
Date Sampled			7/15/2010	7/15/2010	07-AUG-10	07-AUG-10	04-SEP-10	04-SEP-10
Time Sampled		Detection	15:30	14:55	16:30	14:00	17:30	18:00
ALS Sample ID		Limits	L911040-1	L911040-2	L918296-8	L918296-9	L929414-8	L929414-9
Antimony (Sb)-Dissolved	-	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Arsenic (As)-Dissolved	-	0.00020	0.00121	0.00116	0.00210	0.00195	0.00113	0.00112
Barium (Ba)-Dissolved	-	0.00020	0.00310	0.00301	0.00420	0.00377	0.00469	0.00443
Beryllium (Be)-Dissolved	-	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Bismuth (Bi)-Dissolved	-	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Boron (B)-Dissolved	-	0.010	<0.010	<0.010	<0.010	<0.010	<0.010	<0.010
Cadmium (Cd)-Dissolved	-	0.000010	0.000011	<0.000010	<0.000010	<0.000010	<0.000010	<0.000010
Calcium (Ca)-Dissolved	-	0.050	2.47	2.40	3.69	3.63	4.62	4.41
Cesium (Cs)-Dissolved	-	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Chromium (Cr)-Dissolved	-	0.00020	0.00022	<0.00020	0.00037	<0.00020	<0.00020	<0.00020
Cobalt (Co)-Dissolved	-	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Copper (Cu)-Dissolved	-	0.00020	0.00070	0.00043	0.00081	0.00063	<0.00020	<0.00020
Iron (Fe)-Dissolved	-	0.010	<0.010	<0.010	0.141	0.050	<0.010	<0.010
Lead (Pb)-Dissolved	-	0.000090	<0.000090	<0.000090	0.000160	<0.000090	<0.000090	0.000174
Lithium (Li)-Dissolved	-	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Magnesium (Mg)-Dissolved	-	0.010	0.909	0.907	1.26	1.17	1.61	1.58
Manganese (Mn)-Dissolved	-	0.00020	0.00492	0.00469	0.00829	0.00673	0.00037	0.00030
Molybdenum (Mo)-Dissolved	-	0.00010	0.00041	0.00040	0.00074	0.00080	0.00114	0.00112
Nickel (Ni)-Dissolved	-	0.00020	0.00086	0.00086	0.00151	0.00109	0.00079	0.00075
Phosphorus (P)-Dissolved	-	0.10	<0.10	<0.10	<0.10	<0.10	<0.10	<0.10
Potassium (K)-Dissolved	-	0.020	0.495	0.514	0.786	0.781	0.968	0.925
Rubidium (Rb)-Dissolved	-	0.00020	0.00076	0.00075	0.00143	0.00125	0.00162	0.00162
Selenium (Se)-Dissolved	-	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Silicon (Si)-Dissolved	-	0.050	0.157	0.155	0.339	0.269	0.309	0.293
Silver (Ag)-Dissolved	-	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Sodium (Na)-Dissolved	-	0.020	0.572	0.561	0.662	0.649	0.782	0.745
Strontium (Sr)-Dissolved	-	0.00010	0.0105	0.0103	0.0160	0.0153	0.0198	0.0199
Tellurium (Te)-Dissolved	-	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Thallium (Tl)-Dissolved	-	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Thorium (Th)-Dissolved	-	0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010	<0.00010
Tin (Sn)-Dissolved	-	0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020	<0.00020
Titanium (Ti)-Dissolved	-	0.00020	<0.00020	<0.00020	0.00364	0.00148	<0.00020	<0.00020
Tungsten (W)-Dissolved	-	0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010
Uranium (U)-Dissolved	-	0.00010	0.00020	0.00020	0.00036	0.00031	0.00019	0.00019
Vanadium (V)-Dissolved	-	0.00020	<0.00020	<0.00020	0.00047	0.00033	<0.00020	<0.00020
Zinc (Zn)-Dissolved	-	0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020	<0.0020
Zirconium (Zr)-Dissolved	-	0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040
Plant Pigments								
Chlorophyll a (ug/L)		0.020	0.785	0.717	0.361	0.165	0.245	-
Chlorophyll a (ug/L)							-	0.247

Notes:

NG = no guideline

¹ Canadian Water Quality Guidelines for the Protection of Aquatic Life, CCME, Update 7.0, September 2007.² Cadmium guideline calculated using measured hardness concentration per sample.³ Chromium guideline is for Cr VI, which yields the most conservative guideline.⁴ Trigger Range for Total Phosphorus (see guidance Framework for Phosphorus factsheet): ultra-oligotrophic <4 ug/L⁵ See CCME fact sheet

* NWB License A 2AM-MEA0815 maximum monthly mean is 15 mg/L; Short term Maximum is 50 mg/L

Highlighted concentrations exceed the CCME guideline.

Table 3.2.1: Water Chemistry QA/QC Results for the Bay-Goose Basin-2010

Sample ID		BGW-3	DUP-2	RPD
Date Sampled		7/15/2010	7/15/2010	
Time Sampled	Detection	14:55	14:55	
ALS Sample ID	Limits	L911040-2	L911040-3	
Physical Tests				
Conductivity (mhos/cm)	0.40	26.9	26.9	0.00
Hardness (as CaCO ₃) (mg/L)	0.30	9.72	10.2	-4.82
pH	0.10	7.34	7.34	0.00
Total Suspended Solids (mg/L)	2.0	8.0	8.8	-9.52
Total Dissolved Solids (mg/L)	5.0	26.9	21.7	21.40
Turbidity (NTU)	0.10	5.55	5.74	-3.37
Anions and Nutrients (mg/L)				
Alkalinity, Total (as CaCO ₃)	1.0	9.6	9.7	-1.04
Ammonia as N	0.050	<0.050	<0.050	-
Bicarbonate (HCO ₃)	2.0	11.7	11.8	-0.85
Carbonate (CO ₃)	0.60	<0.60	<0.60	-
Chloride	0.50	0.63	0.66	-4.65
Fluoride	0.10	<0.10	<0.10	-
Hydroxide (OH)	0.40	<0.40	<0.40	-
Nitrate and Nitrite as N	0.071	0.169	0.171	-1.18
Nitrate-N	0.050	0.169	0.171	-1.18
Nitrite-N	0.050	<0.050	<0.050	-
Total Kjeldahl Nitrogen	0.20	<0.20	<0.20	-
Ortho Phosphorus Soluble As P	0.010	0.0132	0.0130	1.53
Phosphorus, Total	0.010	0.0167	0.0122	31.14
Sulfate	0.50	2.20	2.29	-4.01
Organic / Inorganic Carbon (mg/L)				
Dissolved Organic Carbon	1.0	1.9	1.5	23.53
Total Organic Carbon	1.0	1.4	1.6	-13.33
Total Metals (mg/L)				
Aluminum (Al)-Total	0.0050	0.229	0.222	3.10
Antimony (Sb)-Total	0.00020	<0.00020	<0.00020	-
Arsenic (As)-Total	0.00020	0.00143	0.00136	5.02
Barium (Ba)-Total	0.00020	0.00463	0.00463	0.00
Beryllium (Be)-Total	0.00020	<0.00020	<0.00020	-
Bismuth (Bi)-Total	0.00020	<0.00020	<0.00020	-
Boron (B)-Total	0.010	<0.010	<0.010	-
Cadmium (Cd)-Total	0.000010	<0.000010	<0.000010	-
Calcium (Ca)-Total	0.10	2.79	2.66	4.77
Cesium (Cs)-Total	0.00010	<0.00010	<0.00010	-
Chromium (Cr)-Total	0.0010	0.0015	0.0015	0.00
Cobalt (Co)-Total	0.00020	0.00022	0.00021	4.65
Copper (Cu)-Total	0.00020	0.00123	0.00120	2.47
Iron (Fe)-Total	0.020	0.266	0.252	5.41
Lead (Pb)-Total	0.000090	0.000235	0.000204	14.12
Lithium (Li)-Total	0.0020	0.0035	0.0030	15.38
Magnesium (Mg)-Total	0.010	0.965	0.926	4.12
Manganese (Mn)-Total	0.00030	0.00879	0.00840	4.54
Mercury (Hg)-Total	0.000050	<0.000050	<0.000050	-
Molybdenum (Mo)-Total	0.00020	0.00041	0.00035	15.79

Table 3.2.1: Water Chemistry QA/QC Results for the Bay-Goose Basin-2010

Sample ID		BGW-3	DUP-2	RPD
Date Sampled		7/15/2010	7/15/2010	
Time Sampled	Detection	14:55	14:55	
ALS Sample ID	Limits	L911040-2	L911040-3	
Nickel (Ni)-Total	0.0020	<0.0020	<0.0020	-
Phosphorus (P)-Total	0.20	<0.20	<0.20	-
Potassium (K)-Total	0.020	0.645	0.601	7.06
Rubidium (Rb)-Total	0.00020	0.00127	0.00124	2.39
Selenium (Se)-Total	0.0010	<0.0010	<0.0010	-
Silicon (Si)-Total	0.050	0.520	0.519	0.19
Silver (Ag)-Total	0.00010	<0.00010	<0.00010	-
Sodium (Na)-Total	0.030	0.564	0.533	5.65
Strontium (Sr)-Total	0.00010	0.0110	0.0103	6.57
Tellurium (Te)-Total	0.00020	<0.00020	<0.00020	-
Thallium (Tl)-Total	0.00010	<0.00010	<0.00010	-
Thorium (Th)-Total	0.00010	0.00018	0.00019	-5.41
Tin (Sn)-Total	0.00020	<0.00020	<0.00020	-
Titanium (Ti)-Total	0.00020	0.00651	0.00650	0.15
Tungsten (W)-Total	0.0010	<0.0010	<0.0010	-
Uranium (U)-Total	0.00010	0.00052	0.00052	0.00
Vanadium (V)-Total	0.00020	0.00039	0.00037	5.26
Zinc (Zn)-Total	0.0050	<0.0050	<0.0050	-
Zirconium (Zr)-Total	0.00040	0.00055	0.00047	15.69
Dissolved Metals (mg/L)				
Aluminum (Al)-Dissolved	0.0020	0.0072	0.0065	10.22
Antimony (Sb)-Dissolved	0.00020	<0.00020	<0.00020	-
Arsenic (As)-Dissolved	0.00020	0.00116	0.00115	0.87
Barium (Ba)-Dissolved	0.00020	0.00301	0.00292	3.04
Beryllium (Be)-Dissolved	0.00020	<0.00020	<0.00020	-
Bismuth (Bi)-Dissolved	0.00020	<0.00020	<0.00020	-
Boron (B)-Dissolved	0.010	<0.010	<0.010	-
Cadmium (Cd)-Dissolved	0.000010	<0.000010	<0.000010	-
Calcium (Ca)-Dissolved	0.050	2.40	2.52	-4.88
Cesium (Cs)-Dissolved	0.00010	<0.00010	<0.00010	-
Chromium (Cr)-Dissolved	0.00020	<0.00020	<0.00020	-
Cobalt (Co)-Dissolved	0.00020	<0.00020	<0.00020	-
Copper (Cu)-Dissolved	0.00020	0.00043	0.00044	-2.30
Iron (Fe)-Dissolved	0.010	<0.010	<0.010	-
Lead (Pb)-Dissolved	0.000090	<0.000090	<0.000090	-
Lithium (Li)-Dissolved	0.0020	<0.0020	<0.0020	-
Magnesium (Mg)-Dissolved	0.010	0.907	0.950	-4.63
Manganese (Mn)-Dissolved	0.00020	0.00469	0.00473	-0.85
Molybdenum (Mo)-Dissolved	0.00010	0.00040	0.00040	0.00
Nickel (Ni)-Dissolved	0.00020	0.00086	0.00081	5.99
Phosphorus (P)-Dissolved	0.10	<0.10	<0.10	-
Potassium (K)-Dissolved	0.020	0.514	0.527	-2.50
Rubidium (Rb)-Dissolved	0.00020	0.00075	0.00075	0.00
Selenium (Se)-Dissolved	0.0010	<0.0010	<0.0010	-
Silicon (Si)-Dissolved	0.050	0.155	0.159	-2.55
Silver (Ag)-Dissolved	0.00010	<0.00010	<0.00010	-
Sodium (Na)-Dissolved	0.020	0.561	0.589	-4.87
Strontium (Sr)-Dissolved	0.00010	0.0103	0.0104	-0.97
Tellurium (Te)-Dissolved	0.00020	<0.00020	<0.00020	-
Thallium (Tl)-Dissolved	0.00010	<0.00010	<0.00010	-
Thorium (Th)-Dissolved	0.00010	<0.00010	<0.00010	-
Tin (Sn)-Dissolved	0.00020	<0.00020	<0.00020	-
Titanium (Ti)-Dissolved	0.00020	<0.00020	<0.00020	-
Tungsten (W)-Dissolved	0.0010	<0.0010	<0.0010	-
Uranium (U)-Dissolved	0.00010	0.00020	0.00020	0.00
Vanadium (V)-Dissolved	0.00020	<0.00020	<0.00020	-
Zinc (Zn)-Dissolved	0.0020	<0.0020	<0.0020	-
Zirconium (Zr)-Dissolved	0.00040	<0.00040	<0.00040	-
Plant Pigments				
Chlorophyll a (ug/L)	0.020	0.717	0.751	-4.63

Highlighted concentrations exceed the RPD of 50%.

3.3 LOWER TROPHIC LEVEL

3.3.1 Zooplankton

Zooplankton biomass (mg/m^3 dw) from vertical tows (4 replicates) ranged from 6.33 to 19.12 mg/m^3 dw (See Table 3.3.1a). Note that dry weight ranged between 5% and 9% of the wet weight. Although the tow depth was slightly different between stations, the dry weight density of most tows was similar between the north basin and south basin (i.e. BGW-2 is 16.46 (*Confidence Interval (CI)* +/- 3.53) mg/m^3 dw; BGW-3 is 10.92 (*CI* +/-2.93) mg/m^3).

Table 3.3.1a: Zooplankton biomass per vertical tow and mg/m^3 dry weight in Bay-Goose Basin by station

Sample ID/ Replicate	Tow Depth (m)	Wet Wt (g)	Dry Wt (g)	Dry Biomass/tow (mg/m^3)
BGW 2-1	11.2	0.162	0.014	17.68
BGW 2-2	11.1	0.192	0.015	19.12
BGW 2-3	11.2	0.208	0.015	18.95
BGW 2-4	11.2	0.206	0.008	10.11
Mean:				16.46
BGW 3-1	6.7	0.062	0.003	6.33
BGW 3-2	6.8	0.089	0.007	14.56
BGW 3-3	7	0.054	0.005	10.11
BGW 3-4	6.7	0.088	0.006	12.67
Mean:				10.92

The taxonomic results are presented in Table 3.3.1b. As outlined in the fish-out program (AEM 2010a), no replicates were collected therefore no analysis was made based on the taxonomic results.

Table 3.3.1b Zooplankton Taxonomic Results per station on August 8, 2010

Location/Sample ID Date	BWG-2 8/7/2010	BWG-3 8/7/2010
<i>Cyclops scutifer</i>	3840	576
<i>Diaptomus ashlandi</i>	8	4
<i>Diaptomus minutus</i>	480	384
<i>Diaptomus sicilis</i>	192	96
<i>Diaptomus probilifensis</i>	48	32
<i>Diaptomus spp.</i> (unid. Females)	756	80
<i>Heterocope septentrionalis</i>	24	4
<i>Epischura lacustris</i>	4	
<i>Bosmina longirostris</i>	-	-
<i>Chydorus sp.</i>	-	-
<i>Holopedium gibberum</i>	8	4
<i>Daphnia longiremis</i>	-	4
<i>Daphnia middendorffiana</i>	-	-
Calanoida copepodite	140	80
Cyclopoid copepodite	1920	320
Zooplankton Site Totals		
Polychaeta larva	-	-
Harpacticoida (unid)	-	-
Hydra	-	-
Chironomidae larva (unid)	-	-

3.3.2 Benthic Invertebrates

According to the DFO protocol, benthic sampling is to be stratified according to prescribed depth intervals (i.e., 5 – 10 m; 15 – 20 m; etc.) (DFO, 2008). The maximum depth in the Bay-Goose basin is approximately 12 m, so sampling was limited to within a 5 – 10 m depth interval. This depth interval is consistent with historical benthic and CREMP data which was typically collected within the littoral zone (between 6 - 12m). Benthic samples were taken on August 9th, 2010 at both stations.

In general, the benthic community has similar biomass between the north and south basin based on the data presented in Table 3.3.2a. As a comparison, the mean dry biomass (g/m² dw) for BGW 2 was 0.20 (CI +/- 0.0578) g/m² dw which was similar, due to the high variation, to BGW 3 which was 0.31 (CI +/- 0.0824) g/m² dw.

Table 3.3.2a: Benthic Invertebrate Biomass Results (per grab sample) for Bay-Goose Basin by station.

Sample ID	Actual depth (m)	Wet Wt (g)	Wet biomass (g/m ² ww)	Dry Wt (g)	Dry biomass (g/m ² dw)
BGW 2-1	7.5	0.017	0.74	0.002	0.09
BGW 2-2	7.6	0.047	2.03	0.007	0.30
BGW 2-3	8	0.036	1.56	0.004	0.17
BGW 2-4	7.5	0.053	2.29	0.005	0.22
BGW 2-5	7	0.066	2.86	0.005	0.22
Mean:		0.04	1.90	0.005	0.20
BGW 3-1	6.9	0.056	2.42	0.005	0.22
BGW 3-2	7	0.043	1.86	0.008	0.35
BGW 3-3	6.9	0.067	2.90	0.009	0.39
BGW 3-4	6.8	0.043	1.86	0.004	0.17
BGW 3-5	6.9	0.079	3.42	0.010	0.43
Mean:		0.06	2.49	0.007	0.31

The benthic taxonomic results are presented in Table 3.3.1c. Table 3.3.2b summarizes the results by presenting *Total Richness* and *Total Abundance* of the two stations. Overall, BGW-3 has greater richness and total abundance than BGW-2, however, as outlined in the fish-out program no replicates were collected therefore it is not possible to adequately analyze these results statistically (AEM 2010a).

Table 3.3.2b: Total Richness and Total Abundance Comparison for one sample taken in Bay-Goose basin by station

Station	BGW-2	BGW-3
Date Sampled	August 9/10	August 9/10
Depth (m)	7.0	6.9
Richness		
Oligochaetes	2	1
Insects	3	9
Molluscs	2	2
Other Taxa	2	2
Total Richness	9	14
Abundance - total		
Oligochaetes	2	2
Insects	25	26
Molluscs	11	26
Other Taxa	3	9
Total Abundance	41	63
Abundance - #/m²		
Oligochaetes	43	43
Insects	543	565
Molluscs	239	565
Other Taxa	65	196
Total Abundance	891	1370

Table 3.3.2c: Laboratory Taxonomic Results

ZEAS Project Number	FISHOUT	
Sampling Dates	8/9/2010	8/9/2010
Station ID	BGW-2	BGW-3
ROUNDWORMS		
P. Nemata	-	-
FLATWORMS		
P. Platyhelminthes		
Cl. Turbellaria		
indeterminate	-	-
ANNELIDS		
P. Annelida		
WORMS		
Cl. Oligochaeta		
F. Enchytraeidae	-	-
F. Naididae		
Nais barbata	-	-
Nais	-	-
F. Tubificidae		
Limnodrilus hoffmeisteri	-	-
Rhyacodrilus coccineus	1	2
Rhyacodrilus montana	-	-
Tasserkidrilus americanus	-	-
immatures with hair chaetae	-	-
immatures without hair chaetae	-	-
F. Lumbriculidae		
Lumbriculus	1	-
ARTHROPODS		
P. Arthropoda		
MITES		
Cl. Arachnida		
O. Acarina	1	3
SEED SHRIMPS		
Cl. Ostracoda	2	6
WATER SCUDS		
O. Amphipoda		
F. Gammaracanthidae		
Gammaracanthus aestuariorum	-	-
F. Hyalellidae		
Hyalella	-	-
INSECTS		
Cl. Insecta		
MAYFLIES		
O. Ephemeroptera		
F. Baetidae		
indeterminate	-	-
CADDISFLIES		
O. Trichoptera		
F. Limnephilidae		
Grensia praeterita	-	1
immature	-	-
pupae	-	-

MEADOWBANK GOLD PROJECT
BAY GOOSE MONITORING

TRUE FLIES		
O. Diptera		
MIDGES		
F. Chironomidae		
chironomid pupae	-	2
S.F. Chironominae		
<i>Cladotanytarsus</i>	-	-
<i>Constempellina</i>	-	-
<i>Corynocera</i>	-	-
<i>Dicrotendipes</i>	-	-
<i>Micropsectra</i>	-	1
<i>Microtendipes</i>	-	-
<i>Parachironomus</i>	-	-
<i>Paratanytarsus</i>	-	-
<i>Polypedilum</i>	-	-
<i>Sergentia</i>	-	-
<i>Stempellinella</i>	-	-
<i>Stictochironomus</i>	11	9
<i>Tanytarsus</i>	-	1
S.F. Diamesinae		
<i>Protanypus</i>	-	-
<i>Pothastia</i>	-	-
<i>Pseudodiamesa</i>	-	-
S.F. Orthocladiinae		
<i>Abiskomyia</i>	-	-
<i>Cricotopus</i>	-	-
<i>Cricotopus/Orthocladius</i>	-	-
<i>Heterotrissocladius</i>	-	1
<i>Hydrobaenus</i>	-	-
<i>Mesocricotopus</i>	-	1
<i>Paracladius</i>	-	-
<i>Parakiefferiella</i>	-	-
<i>Psectrocladius (Monopsectrocladius)</i>	-	-
<i>Psectrocladius</i>	-	-
<i>Zalutschia</i>	-	-
S.F. Prodiamesinae		
<i>Monodiamesa</i>	1	1
S.F. Tanypodinae		
<i>Ablabesmyia</i>	-	-
<i>Procladius</i>	13	8
<i>Thienemannimyia</i> complex	-	1
F. Empididae		
<i>Chelifera</i>	-	-
<i>Wiedemannia</i>	-	-
MOLLUSCS		
P. Mollusca		
CLAMS		
Cl. Bivalvia		
F. Sphaeriidae		
<i>Cyclocalyx/Neopisidium</i>	5	8
<i>Cyclocalyx</i>	6	18
<i>Sphaerium nitidum</i>	-	-
TOTAL NUMBER OF ORGANISMS		
	41	63
TOTAL NUMBER OF TAXA ^a		
	9	14

SECTION 4 • REFERENCES

AEM. 2010a. Meadowbank Gold Project: Fish-out Program. Prepared by AEM, Version 2, June 2010.

AEM. 2010b. Meadowbank Gold Project: Water Quality Monitoring and Management Plan for Dike Construction and Dewatering. Prepared by AEM, Version 4, April 2010.

AEM (2008). Quality Assurance/ Quality Control Plan: Meadowbank Division, December 2008. Prepared by Agnico-Eagle Mines Limited- Meadowbank Division.

AEM. 2009. Meadowbank Gold Project: 2008 Fish-out of the Northwest arm of Second Portage Lake. Appendix C6 in the 2008 AEM annual report. Prepared by Azimuth Consulting Group Inc. March 2009.

AEM. 2011. Meadowbank Mine: Dike Construction Monitoring 2010. Prepared by AEM, March 2011.

CCME (Canadian Council of Ministers of the Environment). 2007. Canadian Water Quality Guidelines for the Protection of Freshwater Aquatic Life, 1999, updated December 2007.

DFO. 2008. Department of Fisheries and Oceans Canada (DFO) document entitled "General Fish-out Protocol for Lakes to be Lost Due to Mining Development", January 2008.

APPENDIX A:

WINNIPEG ALS LABORATORY CERTIFICATE OF ANALYSES

MARCH 2011



Environmental Division

Certificate of Analysis

AGNICO-EAGLE MINING LTD

ATTN: RYAN VANENGEN

MEADOWBANK DIV.

P.O. BOX 540

BAKER LAKE NU X0X 0A0

Report Date: 17-AUG-10 14:39 (MT)

Version: FINAL

Lab Work Order #: L911040

Date Received: 21-JUL-10

Project P.O. #: NOT SUBMITTED

Job Reference: MEADOWBANK : AW

Legal Site Desc:

CofC Numbers:

Other Information:

Comments:

Gail Hill
Account Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY.
ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU
REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L911040-1 BGW-2							
Sampled By: CLIENT on 15-JUL-10 @ 15:30							
Matrix: WATER							
Miscellaneous Parameters							
Ammonia as N	<0.050		0.050	mg/L		27-JUL-10	R1405003
Chlorophyll a	0.785		0.020	ug/L	26-JUL-10	27-JUL-10	R1403854
Dissolved Organic Carbon	1.6		1.0	mg/L		23-JUL-10	R1409535
Hardness (as CaCO3)	9.92		0.20	mg/L		23-JUL-10	
Hardness (as CaCO3)	9.92		0.30	mg/L		23-JUL-10	
Mercury (Hg)-Total	<0.000050		0.000050	mg/L	26-JUL-10	26-JUL-10	R1405037
Nitrate and Nitrite as N	0.170		0.071	mg/L		28-JUL-10	
Ortho Phosphorus Soluble As P	0.0146		0.0010	mg/L		22-JUL-10	R1406895
Phosphorus, Total	0.0147		0.0030	mg/L		22-JUL-10	R1406910
Total Dissolved Solids	28.0		5.0	mg/L		28-JUL-10	R1405264
Total Kjeldahl Nitrogen	<0.20		0.20	mg/L	22-JUL-10	23-JUL-10	R1399979
Total Organic Carbon	1.8		1.0	mg/L		23-JUL-10	R1409535
Total Suspended Solids	7.6		2.0	mg/L		22-JUL-10	R1400063
Turbidity	5.72		0.10	NTU		21-JUL-10	R1397886
Anions scan (IC)							
Chloride	0.65		0.50	mg/L		21-JUL-10	R1394384
Fluoride	<0.10		0.10	mg/L		21-JUL-10	R1394384
Nitrite-N	<0.050		0.050	mg/L		21-JUL-10	R1394384
Nitrate-N	0.170		0.050	mg/L		21-JUL-10	R1394384
Sulfate	2.27		0.50	mg/L		21-JUL-10	R1394384
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.291		0.0050	mg/L	22-JUL-10	22-JUL-10	R1398303
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Arsenic (As)-Total	0.00147		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Barium (Ba)-Total	0.00489		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Boron (B)-Total	<0.010		0.010	mg/L	22-JUL-10	22-JUL-10	R1398303
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	22-JUL-10	22-JUL-10	R1398303
Calcium (Ca)-Total	2.95		0.10	mg/L	22-JUL-10	22-JUL-10	R1398303
Cesium (Cs)-Total	<0.00010		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Chromium (Cr)-Total	0.0021		0.0010	mg/L	22-JUL-10	22-JUL-10	R1398303
Cobalt (Co)-Total	0.00024		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Copper (Cu)-Total	0.00122		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Iron (Fe)-Total	0.319		0.020	mg/L	22-JUL-10	22-JUL-10	R1398303
Lead (Pb)-Total	0.000224		0.000090	mg/L	22-JUL-10	22-JUL-10	R1398303
Lithium (Li)-Total	0.0035		0.0020	mg/L	22-JUL-10	22-JUL-10	R1398303
Magnesium (Mg)-Total	1.01		0.010	mg/L	22-JUL-10	22-JUL-10	R1398303
Manganese (Mn)-Total	0.00950		0.00030	mg/L	22-JUL-10	22-JUL-10	R1398303
Molybdenum (Mo)-Total	0.00039		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	22-JUL-10	22-JUL-10	R1398303
Phosphorus (P)-Total	<0.20		0.20	mg/L	22-JUL-10	22-JUL-10	R1398303
Potassium (K)-Total	0.701		0.020	mg/L	22-JUL-10	22-JUL-10	R1398303
Rubidium (Rb)-Total	0.00136		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Selenium (Se)-Total	<0.0010		0.0010	mg/L	22-JUL-10	22-JUL-10	R1398303
Silicon (Si)-Total	0.997		0.050	mg/L	22-JUL-10	22-JUL-10	R1398303
Silver (Ag)-Total	<0.00010		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Sodium (Na)-Total	0.573		0.030	mg/L	22-JUL-10	22-JUL-10	R1398303
Strontium (Sr)-Total	0.0106		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L911040-1 BGW-2							
Sampled By: CLIENT on 15-JUL-10 @ 15:30							
Matrix: WATER							
Total Metals by ICP-MS							
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Thorium (Th)-Total	0.00024		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Tin (Sn)-Total	<0.00020		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Titanium (Ti)-Total	0.00882		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Tungsten (W)-Total	<0.0010		0.0010	mg/L	22-JUL-10	22-JUL-10	R1398303
Uranium (U)-Total	0.00053		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Vanadium (V)-Total	0.00052		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Zinc (Zn)-Total	<0.0050		0.0050	mg/L	22-JUL-10	22-JUL-10	R1398303
Zirconium (Zr)-Total	0.00076		0.00040	mg/L	22-JUL-10	22-JUL-10	R1398303
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0087		0.0020	mg/L	21-JUL-10	22-JUL-10	R1398725
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Arsenic (As)-Dissolved	0.00121		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Barium (Ba)-Dissolved	0.00310		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Boron (B)-Dissolved	<0.010		0.010	mg/L	21-JUL-10	22-JUL-10	R1398725
Cadmium (Cd)-Dissolved	0.000011		0.000010	mg/L	21-JUL-10	22-JUL-10	R1398725
Calcium (Ca)-Dissolved	2.47		0.050	mg/L	21-JUL-10	22-JUL-10	R1398725
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Chromium (Cr)-Dissolved	0.00022		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Copper (Cu)-Dissolved	0.00070		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Iron (Fe)-Dissolved	<0.010		0.010	mg/L	21-JUL-10	22-JUL-10	R1398725
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	21-JUL-10	22-JUL-10	R1398725
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	21-JUL-10	22-JUL-10	R1398725
Magnesium (Mg)-Dissolved	0.909		0.010	mg/L	21-JUL-10	22-JUL-10	R1398725
Manganese (Mn)-Dissolved	0.00492		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Molybdenum (Mo)-Dissolved	0.00041		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Nickel (Ni)-Dissolved	0.00086		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Phosphorus (P)-Dissolved	<0.10		0.10	mg/L	21-JUL-10	22-JUL-10	R1398725
Potassium (K)-Dissolved	0.495		0.020	mg/L	21-JUL-10	22-JUL-10	R1398725
Rubidium (Rb)-Dissolved	0.00076		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	21-JUL-10	22-JUL-10	R1398725
Silicon (Si)-Dissolved	0.157		0.050	mg/L	21-JUL-10	22-JUL-10	R1398725
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Sodium (Na)-Dissolved	0.572		0.020	mg/L	21-JUL-10	22-JUL-10	R1398725
Strontium (Sr)-Dissolved	0.0105		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Titanium (Ti)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Tungsten (W)-Dissolved	<0.0010		0.0010	mg/L	21-JUL-10	22-JUL-10	R1398725
Uranium (U)-Dissolved	0.00020		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Vanadium (V)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	21-JUL-10	22-JUL-10	R1398725
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	21-JUL-10	22-JUL-10	R1398725
pH, Conductivity and Total Alkalinity							
Alkalinity							
Alkalinity, Total (as CaCO3)	9.7		1.0	mg/L		21-JUL-10	R1392263

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L911040-2 BGW-3							
Sampled By: CLIENT on 15-JUL-10 @ 14:55							
Matrix: WATER							
Total Metals by ICP-MS							
Molybdenum (Mo)-Total	0.00041		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Nickel (Ni)-Total	<0.0020		0.0020	mg/L	22-JUL-10	22-JUL-10	R1398303
Phosphorus (P)-Total	<0.20		0.20	mg/L	22-JUL-10	22-JUL-10	R1398303
Potassium (K)-Total	0.645		0.020	mg/L	22-JUL-10	22-JUL-10	R1398303
Rubidium (Rb)-Total	0.00127		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Selenium (Se)-Total	<0.0010		0.0010	mg/L	22-JUL-10	22-JUL-10	R1398303
Silicon (Si)-Total	0.520		0.050	mg/L	22-JUL-10	22-JUL-10	R1398303
Silver (Ag)-Total	<0.00010		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Sodium (Na)-Total	0.564		0.030	mg/L	22-JUL-10	22-JUL-10	R1398303
Strontium (Sr)-Total	0.0110		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Thorium (Th)-Total	0.00018		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Tin (Sn)-Total	<0.00020		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Titanium (Ti)-Total	0.00651		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Tungsten (W)-Total	<0.0010		0.0010	mg/L	22-JUL-10	22-JUL-10	R1398303
Uranium (U)-Total	0.00052		0.00010	mg/L	22-JUL-10	22-JUL-10	R1398303
Vanadium (V)-Total	0.00039		0.00020	mg/L	22-JUL-10	22-JUL-10	R1398303
Zinc (Zn)-Total	<0.0050		0.0050	mg/L	22-JUL-10	22-JUL-10	R1398303
Zirconium (Zr)-Total	0.00055		0.00040	mg/L	22-JUL-10	22-JUL-10	R1398303
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0072		0.0020	mg/L	21-JUL-10	22-JUL-10	R1398725
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Arsenic (As)-Dissolved	0.00116		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Barium (Ba)-Dissolved	0.00301		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Boron (B)-Dissolved	<0.010		0.010	mg/L	21-JUL-10	22-JUL-10	R1398725
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	21-JUL-10	22-JUL-10	R1398725
Calcium (Ca)-Dissolved	2.40		0.050	mg/L	21-JUL-10	22-JUL-10	R1398725
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Chromium (Cr)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Copper (Cu)-Dissolved	0.00043		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Iron (Fe)-Dissolved	<0.010		0.010	mg/L	21-JUL-10	22-JUL-10	R1398725
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	21-JUL-10	22-JUL-10	R1398725
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	21-JUL-10	22-JUL-10	R1398725
Magnesium (Mg)-Dissolved	0.907		0.010	mg/L	21-JUL-10	22-JUL-10	R1398725
Manganese (Mn)-Dissolved	0.00469		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Molybdenum (Mo)-Dissolved	0.00040		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Nickel (Ni)-Dissolved	0.00086		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Phosphorus (P)-Dissolved	<0.10		0.10	mg/L	21-JUL-10	22-JUL-10	R1398725
Potassium (K)-Dissolved	0.514		0.020	mg/L	21-JUL-10	22-JUL-10	R1398725
Rubidium (Rb)-Dissolved	0.00075		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	21-JUL-10	22-JUL-10	R1398725
Silicon (Si)-Dissolved	0.155		0.050	mg/L	21-JUL-10	22-JUL-10	R1398725
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Sodium (Na)-Dissolved	0.561		0.020	mg/L	21-JUL-10	22-JUL-10	R1398725
Strontium (Sr)-Dissolved	0.0103		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	21-JUL-10	22-JUL-10	R1398725
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	21-JUL-10	22-JUL-10	R1398725

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Matrix Spike	Total Kjeldahl Nitrogen	MS-B	L911040-1, -2, -3, -4, -5, -6
Matrix Spike	Phosphorus, Total	MS-B	L911040-1, -2, -3, -4, -5, -6

Sample Parameter Qualifier Key:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**

ALK-TOT-WP	Water	Alkalinity	APHA 2320B

Alkalinity of water is a measure of its acid neutralizing capacity. Alkalinity is imparted by bicarbonate, carbonate and hydroxide components of water. It is determined by titration with a standard solution of strong mineral acid to the successive HCO₃⁻ and H₂CO₃ endpoints indicated electrometrically.

ANIONS5-IC-WP	Water	Anions scan (IC)	EPA 300.1 IC

This analysis is carried out using procedures adapted from EPA Method 300.1 "Determination of Inorganic Anions in Drinking Water by Ion Chromatography".

C-DIS-ORG-WP	Water	Dissolved Organic Carbon	APHA 5310 B-INSTRUMENTAL-WP

This method is applicable to the analysis of ground water, wastewater, and surface water samples. The form detected depends upon sample pretreatment: Unfiltered sample = TC, 0.45um filtered = TDC. Samples are injected into a combustion tube containing an oxidation catalyst. The carrier gas containing the combustion product from the combustion tube flows through an inorganic carbon reactor vessel and is then sent through a halogen scrubber into a sample cell set in a non-dispersive infrared gas analyzer (NDIR) where carbon dioxide is detected. For total inorganic carbon and dissolved inorganic carbon, the sample is injected into an IC reactor vessel where only the IC component is decomposed to become carbon dioxide.

The peak area generated by the NDIR indicates the TC/TDC or TIC/DIC as applicable. The total organic carbon content of the sample is calculated by subtracting the TIC from the TC.

TOC = TC-TIC, DOC = TDC-DIC, Particulate = Total - Dissolved.

C-TOT-ORG-WP	Water	Total Organic Carbon	APHA 5310 B-INSTRUMENTAL-WP

This method is applicable to the analysis of ground water, wastewater, and surface water samples. The form detected depends upon sample pretreatment: Unfiltered sample = TC, 0.45um filtered = TDC. Samples are injected into a combustion tube containing an oxidation catalyst. The carrier gas containing the combustion product from the combustion tube flows through an inorganic carbon reactor vessel and is then sent through a halogen scrubber into a sample cell set in a non-dispersive infrared gas analyzer (NDIR) where carbon dioxide is detected. For total inorganic carbon and dissolved inorganic carbon, the sample is injected into an IC reactor vessel where only the IC component is decomposed to become carbon dioxide.

The peak area generated by the NDIR indicates the TC/TDC or TIC/DIC as applicable. The total organic carbon content of the sample is calculated by subtracting the TIC from the TC.

TOC = TC-TIC, DOC = TDC-DIC, Particulate = Total - Dissolved.

CHLOROA-VA	Water	Chlorophyll a by Fluorometer	EPA 445.0

Chlorophyll and Pheopigments by Fluorometry analysis is carried out using procedures adapted from USEPA Method 445.0. The sample is filtered using either a glass fiber filter or a 0.45 micron Membrane filter. The pigments are extracted from the filter with 90% aqueous acetone. For chlorophyll-a analysis the extract is read using a fluorometer. For pheopigments the extract is first acidified then read. This method is not subject to interferences from chlorophyll b.

EC-WP	Water	Conductivity	APHA 2510B

Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially fixed and chemically inert electrodes.

ETL-HARDNESS-DIS-WP	Water	Hardness Calculated	Calculated

ETL-HARDNESS-TOT-WP	Water	Hardness Calculated	Calculated

HG-T-CVAF-WP	Water	Mercury Total	EPA245.7 V2.0

Mercury in filtered and unfiltered waters is oxidized with Bromine monochloride and analyzed by cold-vapour atomic fluorescence spectrometry.

MET-D-L-MS-WP	Water	Dissolved Metals by ICP-MS	U.S. EPA 200.8-DL

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
Dissolved Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the Examination of Water and Wastewater method 3030B for filtration through a 0.45 um filter and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.			
MET-T-L-MS-WP	Water	Total Metals by ICP-MS	U.S. EPA 200.8-TL
Total Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the examination of Water and Wastewater Method 3030E and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.			
N-TOTKJ-WP	Water	Total Kjeldahl Nitrogen	Quickchem method 10-107-06-2-E Lachat
Samples are digested with a sulphuric acid solution, cooled, diluted with water, and analyzed for ammonia. Total Kjeldahl nitrogen is the sum of free-ammonia and organic nitrogen compounds which are converted to ammonium sulphate through this digestion process. Analysis is performed by Flow Injection Analysis (FIA). The pH of the digested sample is raised to a known, basic pH by neutralization with a concentrated buffer solution. This neutralization converts the ammonium cation to ammonia. The ammonia produced is heated with salicylate and hypochlorite to produce blue colour which is proportional to the ammonia concentration.			
NH3-COL-WP	Water	Ammonia by colour	APHA 4500 NH3 F
Ammonia - Colourimetric using Salicylate-nitroprusside and hypochlorite, in an alkaline phosphate buffer.			
NO2+NO3-CALC-WP	Water	Nitrate+Nitrite	CALCULATION
P-ORTHO-SOL-WP	Water	Ortho Phosphorous Soluble	APHA, 1998 P-OS
Quantitative orthophosphorous values are determined without prior digestion of the sample. The samples are analyzed by either the Flow Injection Analysis (FIA) or the Segmented Flow Analysis (SFA) method. The absorbance measured by the instrument is proportional to the concentration of orthophosphate in the sample, and is reported as phosphorous.			
P-TOTAL-WP	Water	Phosphorus, Total	APHA, 1998 P-T
Samples are digested using a sulphuric acid-persulfate mixture to convert organic phosphorous to orthophosphate. The samples are analyzed by either the Flow Injection Analysis (FIA) or the Segmented Flow Analysis (SFA) method. The absorbance measured by the instrument is proportional to the concentration of orthophosphate in the sample, and is reported as phosphorous.			
PH-WP	Water	pH	APHA 4500H
pH of a sample is the determination of the activity of the hydrogen ions by potentiometric measurement using a standard hydrogen electrode and a reference electrode.			
SOLIDS-TDS-WP	Water	Total Dissolved Solids	APHA 2540
The residue remaining in a prepared casserole after passing the sample through a 1.2 um Whatman GF/C glass microfibre filter and drying at 180 degrees C. Samples may be dried at 105 degrees C if the client specifically requests this drying temperature.			
SOLIDS-TOTSUS-LR-WP	Water	Total Suspended Solids	APHA 2540 LR
The residue retained by a prepared 1.5 um Whatman 934-AH glass microfibre filter dried at 105 degrees C. A method detection limit of 2 mg/L can be achieved when 500 mL of sample is used.			
TURBIDITY-WP	Water	Turbidity	APHA, 1998, 2130B
A strong light beam is sent through a transparent tube containing the sample. Light that is reflected at 90 degrees to the axis by suspended particles is detected by the photocell. The electrical response is proportional to the sample turbidity.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WP	ALS LABORATORY GROUP - WINNIPEG, MANITOBA, CANADA
VA	ALS LABORATORY GROUP - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg ww - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.



ALS Laboratory Group

Environmental Division

Chain of Custody / Analytical Request Form
Canada Toll Free: 1 800 668 9878

COC #

Page 1 of 1

Report to:						Report Format / Distribution						Service Requested:									
Company: Agnico-Eagle Mines Ltd.						☒ Standard ☐ Other						☒ Regular Service (Default)									
Contact: Ryan VanEngen						☒ PDF ☒ Excel ☐ Fax						☐ Rush Service (2-3 Days)									
Address: Meadowbank Division PO Box 540 Baker Lake Nun.						Email 1: rVanengen@agnico-eagle.com						☐ Priority Service (1 Day or ASAP)									
						Email 2: sdoire@agnico-eagle.com						☐ Emergency Service (<1 Day / Wkend) - Contact ALS									
Phone: 867 793 4610x6759 Fax:						Analysis Request															
Invoice To: ☒ Same as Report						Indicate Bottles: Filtered / Preserved (FIP) →															
Company: Agnico-Eagle Mining Ltd.						Client / Project Information:															
Contact: Accounts Payable-Meadowbank Division						Job #: Meadowbank: AV															
Address: email electronic invoice to rvanengen@agnico-eagle.com						PO/AFE:															
Sample						Legal Site Description:															
Phone:						Quote #: Q21514															
Lab Work Order #						ALS															
(lab use only)						Contact: Chrisme Herrod															
Sample Identification (This description will appear on the report)						Date dd-mm-yy		Time hh:mm		Sample Type (Select from drop-down list)		Cl, F, NO₂, NO₃, SO₄ TOC/DOC Metals & Hg (total) Dissolved Metals P-Total & Ortho pH, EC, Alkalinity Turbidity TSS, TDS TKN, NH₃ Chlor-a									
#	BGW-2	15-Jul-10	15:30	Water	X	X	X	X	X	X	X	X	X	X	Hazardous?	Highly Contaminated?	Number of Containers				
	BGW-3	15-Jul-10	14:55	Water	X	X	X	X	X	X	X	X	X	X			X				
	DUP-2	15-Jul-10	14:55	Water	X	X	X	X	X	X	X	X	X	X			X				
	SP-1	16-Jul-10	18:05	Water	X	X	X	X	X	X	X	X	X	X			x				
	SP-8	16-Jul-10	17:45	Water	X	X	X	X	X	X	X	X	X	X			x				
	SP-9	16-Jul-10	17:10	Water	X	X	X	X	X	X	X	X	X	X			x				
Guidelines / Regulations						Special Instructions / Hazardous Details															
Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.																					
By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the adjacent worksheet.																					
Relinquished By:	Ryan V	Date & Time:	23-05-2010	Received By:	KJD	Date & Time:	July 21 11:00	Temperature	15.2	Samples Received in Good Condition (if no recorded details)											
Relinquished By:		Date & Time:		Received By:		Date & Time:															



Environmental Division

Certificate of Analysis

AGNICO-EAGLE MINING LTD

ATTN: RYAN VANENGEN

MEADOWBANK DIV.

P.O. BOX 540

BAKER LAKE NU X0X 0A0

Report Date: 25-AUG-10 08:08 (MT)

Version: FINAL

Lab Work Order #: L918296

Date Received: 10-AUG-10

Project P.O. #: NOT SUBMITTED

Job Reference: DIKE

Legal Site Desc:

CofC Numbers:

Other Information:

Comments:

Gail Hill
Account Manager

THIS REPORT SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN AUTHORITY OF THE LABORATORY.
ALL SAMPLES WILL BE DISPOSED OF AFTER 30 DAYS FOLLOWING ANALYSIS. PLEASE CONTACT THE LAB IF YOU
REQUIRE ADDITIONAL SAMPLE STORAGE TIME.

Manitoba Technology Centre Ltd.
Part of the **ALS Laboratory Group**
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Phone: +1 204 255 9720 Fax: +1 204 255 9721 www.alsglobal.com
A Campbell Brothers Limited Company

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L918296-7	BGS-6							
Sampled By: CLIENT on 07-AUG-10 @ 14:45								
Matrix: WATER								
Dissolved Metals by ICP-MS								
Thorium (Th)-Dissolved		<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Tin (Sn)-Dissolved		<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Titanium (Ti)-Dissolved		<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Tungsten (W)-Dissolved		<0.0010		0.0010	mg/L	10-AUG-10	11-AUG-10	R1435566
Uranium (U)-Dissolved		<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Vanadium (V)-Dissolved		<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Zinc (Zn)-Dissolved		<0.0020		0.0020	mg/L	10-AUG-10	11-AUG-10	R1435566
Zirconium (Zr)-Dissolved		<0.00040		0.00040	mg/L	10-AUG-10	11-AUG-10	R1435566
pH, Conductivity and Total Alkalinity								
Alkalinity								
Alkalinity, Total (as CaCO3)		7.6		1.0	mg/L		11-AUG-10	R1435808
Bicarbonate (HCO3)		9.3		2.0	mg/L		11-AUG-10	R1435808
Carbonate (CO3)		<0.60		0.60	mg/L		11-AUG-10	R1435808
Hydroxide (OH)		<0.40		0.40	mg/L		11-AUG-10	R1435808
Conductivity								
Conductivity		20.3		0.40	umhos/cm		10-AUG-10	R1428944
pH								
pH		7.23		0.10	pH units		10-AUG-10	R1428944
L918296-8	BGW-2							
Sampled By: CLIENT on 07-AUG-10 @ 16:30								
Matrix: WATER								
Miscellaneous Parameters								
Ammonia as N		0.082		0.050	mg/L		13-AUG-10	R1439777
Chlorophyll a		0.361		0.020	ug/L	23-AUG-10	24-AUG-10	R1448129
Dissolved Organic Carbon		1.4		1.0	mg/L		11-AUG-10	R1438749
Hardness (as CaCO3)		15.3		0.20	mg/L		12-AUG-10	
Hardness (as CaCO3)		15.3		0.30	mg/L		12-AUG-10	
Mercury (Hg)-Total		<0.000050		0.000050	mg/L	13-AUG-10	13-AUG-10	R1441342
Nitrate and Nitrite as N		0.308		0.071	mg/L		24-AUG-10	
Ortho Phosphorus Soluble As P		0.0269		0.0010	mg/L		11-AUG-10	R1438945
Phosphorus, Total		0.0142		0.0020	mg/L		12-AUG-10	R1438970
Total Dissolved Solids		<5.0		5.0	mg/L		16-AUG-10	R1441173
Total Kjeldahl Nitrogen		0.23		0.20	mg/L	10-AUG-10	12-AUG-10	R1439166
Total Organic Carbon		1.6		1.0	mg/L		11-AUG-10	R1438749
Total Suspended Solids		20.8		2.0	mg/L		16-AUG-10	R1441173
Turbidity		19.2		0.10	NTU		10-AUG-10	R1434143
Anions scan (IC)								
Chloride		0.72		0.50	mg/L		23-AUG-10	R1448147
Fluoride		<0.10		0.10	mg/L		23-AUG-10	R1448147
Nitrite-N		<0.050		0.050	mg/L		23-AUG-10	R1448147
Nitrate-N		0.308		0.050	mg/L		23-AUG-10	R1448147
Sulfate		3.00		0.50	mg/L		23-AUG-10	R1448147
Total Metals by ICP-MS								
Aluminum (Al)-Total		0.653		0.0050	mg/L	11-AUG-10	11-AUG-10	R1436563
Antimony (Sb)-Total		<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Arsenic (As)-Total		0.00286		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Barium (Ba)-Total		0.00883		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Beryllium (Be)-Total		<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Bismuth (Bi)-Total		<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Boron (B)-Total		<0.010		0.010	mg/L	11-AUG-10	11-AUG-10	R1436563

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L918296-8 BGW-2							
Sampled By: CLIENT on 07-AUG-10 @ 16:30							
Matrix: WATER							
Total Metals by ICP-MS							
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	11-AUG-10	11-AUG-10	R1436563
Calcium (Ca)-Total	3.63		0.10	mg/L	11-AUG-10	11-AUG-10	R1436563
Cesium (Cs)-Total	0.00017		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Chromium (Cr)-Total	0.0071		0.0010	mg/L	11-AUG-10	11-AUG-10	R1436563
Cobalt (Co)-Total	0.00056		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Copper (Cu)-Total	0.00187		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Iron (Fe)-Total	0.894		0.020	mg/L	11-AUG-10	11-AUG-10	R1436563
Lead (Pb)-Total	0.000642		0.000090	mg/L	11-AUG-10	11-AUG-10	R1436563
Lithium (Li)-Total	<0.0020		0.0020	mg/L	11-AUG-10	11-AUG-10	R1436563
Magnesium (Mg)-Total	1.52		0.010	mg/L	11-AUG-10	11-AUG-10	R1436563
Manganese (Mn)-Total	0.0168		0.00030	mg/L	11-AUG-10	11-AUG-10	R1436563
Molybdenum (Mo)-Total	0.00069		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Nickel (Ni)-Total	0.0047		0.0020	mg/L	11-AUG-10	11-AUG-10	R1436563
Phosphorus (P)-Total	<0.20		0.20	mg/L	11-AUG-10	11-AUG-10	R1436563
Potassium (K)-Total	0.917		0.020	mg/L	11-AUG-10	11-AUG-10	R1436563
Rubidium (Rb)-Total	0.00288		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Selenium (Se)-Total	<0.0010		0.0010	mg/L	11-AUG-10	11-AUG-10	R1436563
Silicon (Si)-Total	1.90		0.050	mg/L	11-AUG-10	11-AUG-10	R1436563
Silver (Ag)-Total	<0.00010		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Sodium (Na)-Total	0.685		0.030	mg/L	11-AUG-10	11-AUG-10	R1436563
Strontium (Sr)-Total	0.0170		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Thorium (Th)-Total	0.00056		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Tin (Sn)-Total	<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Titanium (Ti)-Total	0.0212		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Tungsten (W)-Total	<0.0010		0.0010	mg/L	11-AUG-10	11-AUG-10	R1436563
Uranium (U)-Total	0.00086		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Vanadium (V)-Total	0.00113		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Zinc (Zn)-Total	<0.0050		0.0050	mg/L	11-AUG-10	11-AUG-10	R1436563
Zirconium (Zr)-Total	0.00130		0.00040	mg/L	11-AUG-10	11-AUG-10	R1436563
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0954		0.0020	mg/L	10-AUG-10	11-AUG-10	R1435566
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Arsenic (As)-Dissolved	0.00210		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Barium (Ba)-Dissolved	0.00420		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Boron (B)-Dissolved	<0.010		0.010	mg/L	10-AUG-10	11-AUG-10	R1435566
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	10-AUG-10	11-AUG-10	R1435566
Calcium (Ca)-Dissolved	3.69		0.050	mg/L	10-AUG-10	11-AUG-10	R1435566
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Chromium (Cr)-Dissolved	0.00037		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Copper (Cu)-Dissolved	0.00081		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Iron (Fe)-Dissolved	0.141		0.010	mg/L	10-AUG-10	11-AUG-10	R1435566
Lead (Pb)-Dissolved	0.000160		0.000090	mg/L	10-AUG-10	11-AUG-10	R1435566
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	10-AUG-10	11-AUG-10	R1435566
Magnesium (Mg)-Dissolved	1.26		0.010	mg/L	10-AUG-10	11-AUG-10	R1435566
Manganese (Mn)-Dissolved	0.00829		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Molybdenum (Mo)-Dissolved	0.00074		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L918296-8	BGW-2							
Sampled By:	CLIENT on 07-AUG-10 @ 16:30							
Matrix:	WATER							
Dissolved Metals by ICP-MS								
Nickel (Ni)-Dissolved	0.00151		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566	
Phosphorus (P)-Dissolved	<0.10		0.10	mg/L	10-AUG-10	11-AUG-10	R1435566	
Potassium (K)-Dissolved	0.786		0.020	mg/L	10-AUG-10	11-AUG-10	R1435566	
Rubidium (Rb)-Dissolved	0.00143		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566	
Selenium (Se)-Dissolved	<0.0010		0.0010	mg/L	10-AUG-10	11-AUG-10	R1435566	
Silicon (Si)-Dissolved	0.339		0.050	mg/L	10-AUG-10	11-AUG-10	R1435566	
Silver (Ag)-Dissolved	<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566	
Sodium (Na)-Dissolved	0.662		0.020	mg/L	10-AUG-10	11-AUG-10	R1435566	
Strontium (Sr)-Dissolved	0.0160		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566	
Tellurium (Te)-Dissolved	<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566	
Thallium (Tl)-Dissolved	<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566	
Thorium (Th)-Dissolved	<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566	
Tin (Sn)-Dissolved	<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566	
Titanium (Ti)-Dissolved	0.00364		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566	
Tungsten (W)-Dissolved	<0.0010		0.0010	mg/L	10-AUG-10	11-AUG-10	R1435566	
Uranium (U)-Dissolved	0.00036		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566	
Vanadium (V)-Dissolved	0.00047		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566	
Zinc (Zn)-Dissolved	<0.0020		0.0020	mg/L	10-AUG-10	11-AUG-10	R1435566	
Zirconium (Zr)-Dissolved	<0.00040		0.00040	mg/L	10-AUG-10	11-AUG-10	R1435566	
pH, Conductivity and Total Alkalinity								
Alkalinity								
Alkalinity, Total (as CaCO3)	13.1		1.0	mg/L		11-AUG-10	R1435808	
Bicarbonate (HCO3)	16.0		2.0	mg/L		11-AUG-10	R1435808	
Carbonate (CO3)	<0.60		0.60	mg/L		11-AUG-10	R1435808	
Hydroxide (OH)	<0.40		0.40	mg/L		11-AUG-10	R1435808	
Conductivity								
Conductivity	38.3		0.40	umhos/cm		10-AUG-10	R1428944	
pH								
pH	7.49		0.10	pH units		10-AUG-10	R1428944	
L918296-9	BGW-3							
Sampled By:	CLIENT on 07-AUG-10 @ 14:00							
Matrix:	WATER							
Miscellaneous Parameters								
Ammonia as N	0.076		0.050	mg/L		13-AUG-10	R1439777	
Chlorophyll a	0.165		0.020	ug/L	23-AUG-10	24-AUG-10	R1448129	
Dissolved Organic Carbon	1.9		1.0	mg/L		11-AUG-10	R1438749	
Hardness (as CaCO3)	15.6		0.30	mg/L		12-AUG-10		
Hardness (as CaCO3)	15.6		0.20	mg/L		12-AUG-10		
Mercury (Hg)-Total	<0.000050		0.000050	mg/L	13-AUG-10	13-AUG-10	R1441342	
Nitrate and Nitrite as N	0.313		0.071	mg/L		24-AUG-10		
Ortho Phosphorus Soluble As P	0.0293		0.0010	mg/L		11-AUG-10	R1438945	
Phosphorus, Total	0.0144		0.0020	mg/L		12-AUG-10	R1438970	
Total Dissolved Solids	<5.0		5.0	mg/L		16-AUG-10	R1441173	
Total Kjeldahl Nitrogen	0.25		0.20	mg/L	10-AUG-10	12-AUG-10	R1439166	
Total Organic Carbon	2.0		1.0	mg/L		11-AUG-10	R1438749	
Total Suspended Solids	22.8		2.0	mg/L		16-AUG-10	R1441173	
Turbidity	19.5		0.10	NTU		10-AUG-10	R1434143	
Anions scan (IC)								
Chloride	0.76		0.50	mg/L		23-AUG-10	R1448147	
Fluoride	<0.10		0.10	mg/L		23-AUG-10	R1448147	

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L918296-9 BGW-3							
Sampled By: CLIENT on 07-AUG-10 @ 14:00							
Matrix: WATER							
Anions scan (IC)							
Nitrite-N	<0.050		0.050	mg/L		23-AUG-10	R1448147
Nitrate-N	0.313		0.050	mg/L		23-AUG-10	R1448147
Sulfate	3.03		0.50	mg/L		23-AUG-10	R1448147
Total Metals by ICP-MS							
Aluminum (Al)-Total	0.742		0.0050	mg/L	11-AUG-10	11-AUG-10	R1436563
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Arsenic (As)-Total	0.00289		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Barium (Ba)-Total	0.00934		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Boron (B)-Total	<0.010		0.010	mg/L	11-AUG-10	11-AUG-10	R1436563
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	11-AUG-10	11-AUG-10	R1436563
Calcium (Ca)-Total	3.70		0.10	mg/L	11-AUG-10	11-AUG-10	R1436563
Cesium (Cs)-Total	0.00017		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Chromium (Cr)-Total	0.0079		0.0010	mg/L	11-AUG-10	11-AUG-10	R1436563
Cobalt (Co)-Total	0.00062		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Copper (Cu)-Total	0.00170		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Iron (Fe)-Total	0.950		0.020	mg/L	11-AUG-10	11-AUG-10	R1436563
Lead (Pb)-Total	0.000592		0.000090	mg/L	11-AUG-10	11-AUG-10	R1436563
Lithium (Li)-Total	0.0021		0.0020	mg/L	11-AUG-10	11-AUG-10	R1436563
Magnesium (Mg)-Total	1.55		0.010	mg/L	11-AUG-10	11-AUG-10	R1436563
Manganese (Mn)-Total	0.0175		0.00030	mg/L	11-AUG-10	11-AUG-10	R1436563
Molybdenum (Mo)-Total	0.00074		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Nickel (Ni)-Total	0.0048		0.0020	mg/L	11-AUG-10	11-AUG-10	R1436563
Phosphorus (P)-Total	<0.20		0.20	mg/L	11-AUG-10	11-AUG-10	R1436563
Potassium (K)-Total	0.940		0.020	mg/L	11-AUG-10	11-AUG-10	R1436563
Rubidium (Rb)-Total	0.00312		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Selenium (Se)-Total	<0.0010		0.0010	mg/L	11-AUG-10	11-AUG-10	R1436563
Silicon (Si)-Total	2.24		0.050	mg/L	11-AUG-10	11-AUG-10	R1436563
Silver (Ag)-Total	<0.00010		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Sodium (Na)-Total	0.693		0.030	mg/L	11-AUG-10	11-AUG-10	R1436563
Strontium (Sr)-Total	0.0173		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Thorium (Th)-Total	0.00064		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Tin (Sn)-Total	<0.00020		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Titanium (Ti)-Total	0.0247		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Tungsten (W)-Total	<0.0010		0.0010	mg/L	11-AUG-10	11-AUG-10	R1436563
Uranium (U)-Total	0.00089		0.00010	mg/L	11-AUG-10	11-AUG-10	R1436563
Vanadium (V)-Total	0.00138		0.00020	mg/L	11-AUG-10	11-AUG-10	R1436563
Zinc (Zn)-Total	<0.0050		0.0050	mg/L	11-AUG-10	11-AUG-10	R1436563
Zirconium (Zr)-Total	0.00133		0.00040	mg/L	11-AUG-10	11-AUG-10	R1436563
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0480		0.0020	mg/L	10-AUG-10	11-AUG-10	R1435566
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Arsenic (As)-Dissolved	0.00195		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Barium (Ba)-Dissolved	0.00377		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Boron (B)-Dissolved	<0.010		0.010	mg/L	10-AUG-10	11-AUG-10	R1435566
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	10-AUG-10	11-AUG-10	R1435566

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L918296-9 BGW-3								
Sampled By: CLIENT on 07-AUG-10 @ 14:00								
Matrix: WATER								
Dissolved Metals by ICP-MS								
Calcium (Ca)-Dissolved		3.63		0.050	mg/L	10-AUG-10	11-AUG-10	R1435566
Cesium (Cs)-Dissolved		<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Chromium (Cr)-Dissolved		<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Cobalt (Co)-Dissolved		<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Copper (Cu)-Dissolved		0.00063		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Iron (Fe)-Dissolved		0.050		0.010	mg/L	10-AUG-10	11-AUG-10	R1435566
Lead (Pb)-Dissolved		<0.000090		0.000090	mg/L	10-AUG-10	11-AUG-10	R1435566
Lithium (Li)-Dissolved		<0.0020		0.0020	mg/L	10-AUG-10	11-AUG-10	R1435566
Magnesium (Mg)-Dissolved		1.17		0.010	mg/L	10-AUG-10	11-AUG-10	R1435566
Manganese (Mn)-Dissolved		0.00673		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Molybdenum (Mo)-Dissolved		0.00080		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Nickel (Ni)-Dissolved		0.00109		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Phosphorus (P)-Dissolved		<0.10		0.10	mg/L	10-AUG-10	11-AUG-10	R1435566
Potassium (K)-Dissolved		0.781		0.020	mg/L	10-AUG-10	11-AUG-10	R1435566
Rubidium (Rb)-Dissolved		0.00125		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Selenium (Se)-Dissolved		<0.0010		0.0010	mg/L	10-AUG-10	11-AUG-10	R1435566
Silicon (Si)-Dissolved		0.269		0.050	mg/L	10-AUG-10	11-AUG-10	R1435566
Silver (Ag)-Dissolved		<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Sodium (Na)-Dissolved		0.649		0.020	mg/L	10-AUG-10	11-AUG-10	R1435566
Strontium (Sr)-Dissolved		0.0153		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Tellurium (Te)-Dissolved		<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Thallium (Tl)-Dissolved		<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Thorium (Th)-Dissolved		<0.00010		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Tin (Sn)-Dissolved		<0.00020		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Titanium (Ti)-Dissolved		0.00148		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Tungsten (W)-Dissolved		<0.0010		0.0010	mg/L	10-AUG-10	11-AUG-10	R1435566
Uranium (U)-Dissolved		0.00031		0.00010	mg/L	10-AUG-10	11-AUG-10	R1435566
Vanadium (V)-Dissolved		0.00033		0.00020	mg/L	10-AUG-10	11-AUG-10	R1435566
Zinc (Zn)-Dissolved		<0.0020		0.0020	mg/L	10-AUG-10	11-AUG-10	R1435566
Zirconium (Zr)-Dissolved		<0.00040		0.00040	mg/L	10-AUG-10	11-AUG-10	R1435566
pH, Conductivity and Total Alkalinity								
Alkalinity								
Alkalinity, Total (as CaCO3)		13.2		1.0	mg/L		11-AUG-10	R1435808
Bicarbonate (HCO3)		16.1		2.0	mg/L		11-AUG-10	R1435808
Carbonate (CO3)		<0.60		0.60	mg/L		11-AUG-10	R1435808
Hydroxide (OH)		<0.40		0.40	mg/L		11-AUG-10	R1435808
Conductivity								
Conductivity		38.6		0.40	umhos/cm		10-AUG-10	R1428944
pH								
pH		7.50		0.10	pH units		10-AUG-10	R1428944

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Duplicate	Ortho Phosphorus Soluble As P	DLA	L918296-1, -2, -3, -4, -5, -6, -7, -8, -9
Duplicate	Ortho Phosphorus Soluble As P	DLA	L918296-1, -2, -3, -4, -5, -6, -7, -8, -9
Matrix Spike	Sulfate	MS-B	L918296-1, -2, -3, -4, -5, -6, -7, -8, -9

Sample Parameter Qualifier Key:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution
MS-B	Matrix Spike recovery could not be accurately calculated due to high analyte background in sample.

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
ALK-TOT-WP	Water	Alkalinity	APHA 2320B
Alkalinity of water is a measure of its acid neutralizing capacity. Alkalinity is imparted by bicarbonate, carbonate and hydroxide components of water. It is determined by titration with a standard solution of strong mineral acid to the successive HCO ₃ ⁻ and H ₂ CO ₃ endpoints indicated electrometrically.			
ANIONS5-IC-WP	Water	Anions scan (IC)	EPA 300.1 IC
This analysis is carried out using procedures adapted from EPA Method 300.1 "Determination of Inorganic Anions in Drinking Water by Ion Chromatography".			
C-DIS-ORG-WP	Water	Dissolved Organic Carbon	APHA 5310 B-INSTRUMENTAL-WP
This method is applicable to the analysis of ground water, wastewater, and surface water samples. The form detected depends upon sample pretreatment: Unfiltered sample = TC, 0.45um filtered = TDC. Samples are injected into a combustion tube containing an oxidation catalyst. The carrier gas containing the combustion product from the combustion tube flows through an inorganic carbon reactor vessel and is then sent through a halogen scrubber into a sample cell set in a non-dispersive infrared gas analyzer (NDIR) where carbon dioxide is detected. For total inorganic carbon and dissolved inorganic carbon, the sample is injected into an IC reactor vessel where only the IC component is decomposed to become carbon dioxide.			
The peak area generated by the NDIR indicates the TC/TDC or TIC/DIC as applicable. The total organic carbon content of the sample is calculated by subtracting the TIC from the TC. TOC = TC-TIC, DOC = TDC-DIC, Particulate = Total - Dissolved.			
C-TOT-ORG-WP	Water	Total Organic Carbon	APHA 5310 B-INSTRUMENTAL-WP
This method is applicable to the analysis of ground water, wastewater, and surface water samples. The form detected depends upon sample pretreatment: Unfiltered sample = TC, 0.45um filtered = TDC. Samples are injected into a combustion tube containing an oxidation catalyst. The carrier gas containing the combustion product from the combustion tube flows through an inorganic carbon reactor vessel and is then sent through a halogen scrubber into a sample cell set in a non-dispersive infrared gas analyzer (NDIR) where carbon dioxide is detected. For total inorganic carbon and dissolved inorganic carbon, the sample is injected into an IC reactor vessel where only the IC component is decomposed to become carbon dioxide.			
The peak area generated by the NDIR indicates the TC/TDC or TIC/DIC as applicable. The total organic carbon content of the sample is calculated by subtracting the TIC from the TC. TOC = TC-TIC, DOC = TDC-DIC, Particulate = Total - Dissolved.			
CHLOROA-VA	Water	Chlorophyll a by Fluorometer	EPA 445.0
Chlorophyll and Pheopigments by Fluorometry analysis is carried out using procedures adapted from USEPA Method 445.0. The sample is filtered using either a glass fiber filter or a 0.45 micron Membrane filter. The pigments are extracted from the filter with 90% aqueous acetone. For chlorophyll-a analysis the extract is read using a fluorometer. For pheopigments the extract is first acidified then read. This method is not subject to interferences from chlorophyll b.			
EC-WP	Water	Conductivity	APHA 2510B
Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially fixed and chemically inert electrodes.			
ETL-HARDNESS-DIS-WP	Water	Hardness Calculated	Calculated
ETL-HARDNESS-TOT-WP	Water	Hardness Calculated	Calculated
HG-T-CVAF-WP	Water	Mercury Total	EPA245.7 V2.0
Mercury in filtered and unfiltered waters is oxidized with Bromine monochloride and analyzed by cold-vapour atomic fluorescence spectrometry.			
MET-D-L-MS-WP	Water	Dissolved Metals by ICP-MS	U.S. EPA 200.8-DL

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
Dissolved Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the Examination of Water and Wastewater method 3030B for filtration through a 0.45 um filter and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.			
MET-T-L-MS-WP	Water	Total Metals by ICP-MS	U.S. EPA 200.8-TL
Total Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the examination of Water and Wastewater Method 3030E and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.			
N-TOTKJ-WP	Water	Total Kjeldahl Nitrogen	Quickchem method 10-107-06-2-E Lachat
Samples are digested with a sulphuric acid solution, cooled, diluted with water, and analyzed for ammonia. Total Kjeldahl nitrogen is the sum of free-ammonia and organic nitrogen compounds which are converted to ammonium sulphate through this digestion process. Analysis is performed by Flow Injection Analysis (FIA). The pH of the digested sample is raised to a known, basic pH by neutralization with a concentrated buffer solution. This neutralization converts the ammonium cation to ammonia. The ammonia produced is heated with salicylate and hypochlorite to produce blue colour which is proportional to the ammonia concentration.			
NH3-COL-WP	Water	Ammonia by colour	APHA 4500 NH3 F
Ammonia - Colourimetric using Salicylate-nitroprusside and hypochlorite, in an alkaline phosphate buffer.			
NO2+NO3-CALC-WP	Water	Nitrate+Nitrite	CALCULATION
P-ORTHO-SOL-WP	Water	Ortho Phosphorous Soluble	APHA, 1998 P-OS
Quantitative orthophosphorous values are determined without prior digestion of the sample. The samples are analyzed by either the Flow Injection Analysis (FIA) or the Segmented Flow Analysis (SFA) method. The absorbance measured by the instrument is proportional to the concentration of orthophosphate in the sample, and is reported as phosphorous.			
P-TOTAL-WP	Water	Phosphorus, Total	APHA, 1998 P-T
Samples are digested using a sulphuric acid-persulfate mixture to convert organic phosphorous to orthophosphate. The samples are analyzed by either the Flow Injection Analysis (FIA) or the Segmented Flow Analysis (SFA) method. The absorbance measured by the instrument is proportional to the concentration of orthophosphate in the sample, and is reported as phosphorous.			
PH-WP	Water	pH	APHA 4500H
pH of a sample is the determination of the activity of the hydrogen ions by potentiometric measurement using a standard hydrogen electrode and a reference electrode.			
SOLIDS-TDS-WP	Water	Total Dissolved Solids	APHA 2540
The residue remaining in a prepared casserole after passing the sample through a 1.2 um Whatman GF/C glass microfibre filter and drying at 180 degrees C. Samples may be dried at 105 degrees C if the client specifically requests this drying temperature.			
SOLIDS-TOTSUS-LR-WP	Water	Total Suspended Solids	APHA 2540 LR
The residue retained by a prepared 1.5 um Whatman 934-AH glass microfibre filter dried at 105 degrees C. A method detection limit of 2 mg/L can be achieved when 500 mL of sample is used.			
TURBIDITY-WP	Water	Turbidity	APHA, 1998, 2130B
A strong light beam is sent through a transparent tube containing the sample. Light that is reflected at 90 degrees to the axis by suspended particles is detected by the photocell. The electrical response is proportional to the sample turbidity.			

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WP	ALS LABORATORY GROUP - WINNIPEG, MANITOBA, CANADA
VA	ALS LABORATORY GROUP - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg wwt - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

Report to:			Report Format / Distribution			Service Requested:		
Company: Agnico-Eagle Mines Ltd.			☒ Standard ☐ Other			☒ Regular Service (Default)		
Contact: Ryan VanEngen			☒ PDF ☒ Excel ☐ Fax			☐ Rush Service (2-3 Days)		
Address: Meadowbank Division PO Box 540 Baker Lake Nun.			Email 1: rVanengen@agnico-eagle.com			☐ Priority Service (1 Day or ASAP)		
Phone: 867 793 4610x6759 Fax:			Email 2: sdoire@agnico-eagle.com			☐ Emergency Service (<1 Day / Wkend) - Contact ALS		
Invoice To: ☒ Same as Report Indicate Bottles: Filtered / Preserved (F/P) → →								
Company: Agnico-Eagle Mining Ltd.			Client / Project Information:					
Contact: Accounts Payable-Meadowbank Division			Job #: Dike					
Address: email electronic invoice to rvanengen@agnico-eagle.com			PO/AFE:					
Sample			Legal Site Description:					
Phone:			Quote #: Q21514					
Lab Work Order # (lab use only)			ALS Contact:			Sampler (Initials):		
Sample #			Sample Identification (This description will appear on the report)		Date dd-mm-yy	Time hh:mm	Sample Type (Select from drop-down list)	
	BGE-1			07-Aug-10	17:10	Water		
	BGS-1			07-Aug-10	16:10	Water		
	BGS-2			07-Aug-10	15:50	Water		
	BGS-3			07-Aug-10	15:30	Water		
	BGS-4			07-Aug-10	15:15	Water		
	BGS-5			07-Aug-10	15:00	Water		
	BGS-6			07-Aug-10	14:45	Water		
	BGW-2			07-Aug-10	16:30	Water		
	BGW-3			07-Aug-10	14:00	Water		
Guidelines / Regulations								
Special Instructions / Hazardous Details								
Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.								
By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the adjacent worksheet.								
Relinquished By:	Relinquished By:	Date & Time:	Received By:	Date & Time:	Date & Time:		Date & Time:	
Marlin T.	2010-08-07		SM		10-870 12:10		21	
Samples Received in Good Condition? Y / N (if no provided details)		Sample Condition (lab use only)						



AGNICO-EAGLE MINING LTD
ATTN: RYAN VANENGEN
MEADOWBANK DIV.
P.O. BOX 540
BAKER LAKE NU X0X 0A0
Phone: 604-622-6527

Date Received: 09-SEP-10
Report Date: 22-SEP-10 08:38 (MT)
Version: FINAL

Certificate of Analysis

Lab Work Order #: L929414
Project P.O. #: NOT SUBMITTED
Job Reference: DIKE
Legal Site Desc:
C of C Numbers:

Paul Nicolas
Account Manager

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ADDRESS: 1329 Niakwa Road East, Unit 12, Winnipeg, MB R2J 3T4 Canada | Phone: +1 204 255 9720 | Fax: +1 204 255 9721
MANITOBA TECHNOLOGY CENTRE LTD. Part of the ALS Group A Campbell Brothers Limited Company

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L929414-7	BGS-6							
Sampled By:	CLIENT on 04-SEP-10 @ 17:00							
Matrix:	WATER							
Dissolved Metals by ICP-MS								
Thorium (Th)-Dissolved	<0.00010			0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Tin (Sn)-Dissolved	<0.00020			0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Titanium (Ti)-Dissolved	<0.00020			0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Tungsten (W)-Dissolved	<0.0010			0.0010	mg/L	09-SEP-10	10-SEP-10	R1464386
Uranium (U)-Dissolved	<0.00010			0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Vanadium (V)-Dissolved	<0.00020			0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Zinc (Zn)-Dissolved	<0.0020			0.0020	mg/L	09-SEP-10	10-SEP-10	R1464386
Zirconium (Zr)-Dissolved	<0.00040			0.00040	mg/L	09-SEP-10	10-SEP-10	R1464386
pH, Conductivity and Total Alkalinity								
Alkalinity								
Alkalinity, Total (as CaCO3)	7.9			1.0	mg/L		09-SEP-10	R1462485
Bicarbonate (HCO3)	9.6			2.0	mg/L		09-SEP-10	R1462485
Carbonate (CO3)	<0.60			0.60	mg/L		09-SEP-10	R1462485
Hydroxide (OH)	<0.40			0.40	mg/L		09-SEP-10	R1462485
Conductivity								
Conductivity	20.4			0.40	umhos/cm		09-SEP-10	R1462485
pH								
pH	7.23			0.10	pH units		09-SEP-10	R1462485
L929414-8	BGW-2							
Sampled By:	CLIENT on 04-SEP-10 @ 17:30							
Matrix:	WATER							
Miscellaneous Parameters								
Ammonia as N	0.160			0.050	mg/L		15-SEP-10	R1467976
Chlorophyll a	0.245			0.010	ug	20-SEP-10	21-SEP-10	R1473012
Dissolved Organic Carbon	1.5			1.0	mg/L		10-SEP-10	R1463865
Hardness (as CaCO3)	18.2			0.30	mg/L		14-SEP-10	
Hardness (as CaCO3)	18.2			0.20	mg/L		14-SEP-10	
Mercury (Hg)-Total	<0.000050			0.000050	mg/L	10-SEP-10	10-SEP-10	R1465384
Nitrate and Nitrite as N	<1.4			1.4	mg/L		10-SEP-10	
Ortho Phosphorus Soluble As P	0.0227			0.0010	mg/L		14-SEP-10	R1465765
Phosphorus, Total	0.0218			0.0020	mg/L		10-SEP-10	R1462916
Total Dissolved Solids	14.0			5.0	mg/L		10-SEP-10	R1464127
Total Kjeldahl Nitrogen	0.26			0.20	mg/L	09-SEP-10	14-SEP-10	R1466040
Total Organic Carbon	1.2			1.0	mg/L		10-SEP-10	R1463865
Total Suspended Solids	16.8			2.0	mg/L		10-SEP-10	R1464127
Turbidity	29.0			0.10	NTU		09-SEP-10	R1462440
Anions scan (IC)								
Chloride	<10			10	mg/L		09-SEP-10	R1462976
Fluoride	<2.0			2.0	mg/L		09-SEP-10	R1462976
Nitrite-N	<1.0			1.0	mg/L		09-SEP-10	R1462976
Nitrate-N	<1.0			1.0	mg/L		09-SEP-10	R1462976
Sulfate	2510			10	mg/L		09-SEP-10	R1462976
Total Metals by ICP-MS								
Aluminum (Al)-Total	2.06			0.0050	mg/L	10-SEP-10	10-SEP-10	R1463946
Antimony (Sb)-Total	<0.00020			0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Arsenic (As)-Total	0.00317			0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Barium (Ba)-Total	0.0176			0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Beryllium (Be)-Total	<0.00020			0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Bismuth (Bi)-Total	<0.00020			0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Boron (B)-Total	<0.010			0.010	mg/L	10-SEP-10	10-SEP-10	R1463946

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L929414-8 BGW-2							
Sampled By: CLIENT on 04-SEP-10 @ 17:30							
Matrix: WATER							
Total Metals by ICP-MS							
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	10-SEP-10	10-SEP-10	R1463946
Calcium (Ca)-Total	5.09		0.10	mg/L	10-SEP-10	10-SEP-10	R1463946
Cesium (Cs)-Total	0.00038		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Chromium (Cr)-Total	0.0158		0.0010	mg/L	10-SEP-10	10-SEP-10	R1463946
Cobalt (Co)-Total	0.00146		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Copper (Cu)-Total	0.00431		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Iron (Fe)-Total	2.44		0.020	mg/L	10-SEP-10	10-SEP-10	R1463946
Lead (Pb)-Total	0.00103		0.000090	mg/L	10-SEP-10	10-SEP-10	R1463946
Lithium (Li)-Total	0.0039		0.0020	mg/L	10-SEP-10	10-SEP-10	R1463946
Magnesium (Mg)-Total	2.63		0.010	mg/L	10-SEP-10	10-SEP-10	R1463946
Manganese (Mn)-Total	0.0301		0.00030	mg/L	10-SEP-10	10-SEP-10	R1463946
Molybdenum (Mo)-Total	0.00117		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Nickel (Ni)-Total	0.0097		0.0020	mg/L	10-SEP-10	10-SEP-10	R1463946
Phosphorus (P)-Total	<0.20		0.20	mg/L	10-SEP-10	10-SEP-10	R1463946
Potassium (K)-Total	1.58		0.020	mg/L	10-SEP-10	10-SEP-10	R1463946
Rubidium (Rb)-Total	0.00671		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Selenium (Se)-Total	<0.0010		0.0010	mg/L	10-SEP-10	10-SEP-10	R1463946
Silicon (Si)-Total	4.64		0.050	mg/L	10-SEP-10	10-SEP-10	R1463946
Silver (Ag)-Total	<0.00010		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Sodium (Na)-Total	0.877		0.030	mg/L	10-SEP-10	10-SEP-10	R1463946
Strontium (Sr)-Total	0.0234		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Thorium (Th)-Total	0.00204		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Tin (Sn)-Total	<0.00020		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Titanium (Ti)-Total	0.0695		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Tungsten (W)-Total	<0.0010		0.0010	mg/L	10-SEP-10	10-SEP-10	R1463946
Uranium (U)-Total	0.00107		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Vanadium (V)-Total	0.00298		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Zinc (Zn)-Total	0.0053		0.0050	mg/L	10-SEP-10	10-SEP-10	R1463946
Zirconium (Zr)-Total	0.00308		0.00040	mg/L	10-SEP-10	10-SEP-10	R1463946
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0052		0.0020	mg/L	09-SEP-10	10-SEP-10	R1464386
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Arsenic (As)-Dissolved	0.00113		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Barium (Ba)-Dissolved	0.00469		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Boron (B)-Dissolved	<0.010		0.010	mg/L	09-SEP-10	10-SEP-10	R1464386
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	09-SEP-10	10-SEP-10	R1464386
Calcium (Ca)-Dissolved	4.62		0.050	mg/L	09-SEP-10	10-SEP-10	R1464386
Cesium (Cs)-Dissolved	<0.00010		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Chromium (Cr)-Dissolved	<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Cobalt (Co)-Dissolved	<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Copper (Cu)-Dissolved	<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Iron (Fe)-Dissolved	<0.010		0.010	mg/L	09-SEP-10	10-SEP-10	R1464386
Lead (Pb)-Dissolved	<0.000090		0.000090	mg/L	09-SEP-10	10-SEP-10	R1464386
Lithium (Li)-Dissolved	<0.0020		0.0020	mg/L	09-SEP-10	10-SEP-10	R1464386
Magnesium (Mg)-Dissolved	1.61		0.010	mg/L	09-SEP-10	10-SEP-10	R1464386
Manganese (Mn)-Dissolved	0.00037		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Molybdenum (Mo)-Dissolved	0.00114		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

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Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L929414-8	BGW-2							
Sampled By: CLIENT on 04-SEP-10 @ 17:30								
Matrix: WATER								
Dissolved Metals by ICP-MS								
Nickel (Ni)-Dissolved		0.00079		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Phosphorus (P)-Dissolved		<0.10		0.10	mg/L	09-SEP-10	10-SEP-10	R1464386
Potassium (K)-Dissolved		0.968		0.020	mg/L	09-SEP-10	10-SEP-10	R1464386
Rubidium (Rb)-Dissolved		0.00162		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Selenium (Se)-Dissolved		<0.0010		0.0010	mg/L	09-SEP-10	10-SEP-10	R1464386
Silicon (Si)-Dissolved		0.309		0.050	mg/L	09-SEP-10	10-SEP-10	R1464386
Silver (Ag)-Dissolved		<0.00010		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Sodium (Na)-Dissolved		0.782		0.020	mg/L	09-SEP-10	10-SEP-10	R1464386
Strontium (Sr)-Dissolved		0.0198		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Tellurium (Te)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Thallium (Tl)-Dissolved		<0.00010		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Thorium (Th)-Dissolved		<0.00010		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Tin (Sn)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Titanium (Ti)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Tungsten (W)-Dissolved		<0.0010		0.0010	mg/L	09-SEP-10	10-SEP-10	R1464386
Uranium (U)-Dissolved		0.00019		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Vanadium (V)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Zinc (Zn)-Dissolved		<0.0020		0.0020	mg/L	09-SEP-10	10-SEP-10	R1464386
Zirconium (Zr)-Dissolved		<0.00040		0.00040	mg/L	09-SEP-10	10-SEP-10	R1464386
pH, Conductivity and Total Alkalinity								
Alkalinity								
Alkalinity, Total (as CaCO3)		16.3		1.0	mg/L		09-SEP-10	R1462485
Bicarbonate (HCO3)		19.9		2.0	mg/L		09-SEP-10	R1462485
Carbonate (CO3)		<0.60		0.60	mg/L		09-SEP-10	R1462485
Hydroxide (OH)		<0.40		0.40	mg/L		09-SEP-10	R1462485
Conductivity								
Conductivity		49.0		0.40	umhos/cm		09-SEP-10	R1462485
pH								
pH		7.54		0.10	pH units		09-SEP-10	R1462485
L929414-9	BGW-3							
Sampled By: CLIENT on 04-SEP-10 @ 18:00								
Matrix: WATER								
Miscellaneous Parameters								
Ammonia as N		0.158		0.050	mg/L		15-SEP-10	R1467976
Chlorophyll a		0.247		0.010	ug/L	20-SEP-10	21-SEP-10	R1473012
Dissolved Organic Carbon		1.2		1.0	mg/L		10-SEP-10	R1463865
Hardness (as CaCO3)		17.5		0.30	mg/L		14-SEP-10	
Hardness (as CaCO3)		17.5		0.20	mg/L		14-SEP-10	
Mercury (Hg)-Total		<0.000050		0.000050	mg/L	10-SEP-10	10-SEP-10	R1465384
Nitrate and Nitrite as N		<1.4		1.4	mg/L		10-SEP-10	
Ortho Phosphorus Soluble As P		0.0206		0.0010	mg/L		14-SEP-10	R1465765
Phosphorus, Total		0.0249		0.0020	mg/L		10-SEP-10	R1462916
Total Dissolved Solids		<5.0		5.0	mg/L		10-SEP-10	R1464127
Total Kjeldahl Nitrogen		0.23		0.20	mg/L	09-SEP-10	14-SEP-10	R1466040
Total Organic Carbon		<1.0		1.0	mg/L		10-SEP-10	R1463865
Total Suspended Solids		18.4		2.0	mg/L		10-SEP-10	R1464127
Turbidity		28.7		0.10	NTU		09-SEP-10	R1462440
Anions scan (IC)								
Chloride		<10		10	mg/L		09-SEP-10	R1462976
Fluoride		<2.0		2.0	mg/L		09-SEP-10	R1462976

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters	Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L929414-9 BGW-3							
Sampled By: CLIENT on 04-SEP-10 @ 18:00							
Matrix: WATER							
Anions scan (IC)							
Nitrite-N	<1.0		1.0	mg/L		09-SEP-10	R1462976
Nitrate-N	<1.0		1.0	mg/L		09-SEP-10	R1462976
Sulfate	2320		10	mg/L		09-SEP-10	R1462976
Total Metals by ICP-MS							
Aluminum (Al)-Total	1.44		0.0050	mg/L	10-SEP-10	10-SEP-10	R1463946
Antimony (Sb)-Total	<0.00020		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Arsenic (As)-Total	0.00274		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Barium (Ba)-Total	0.0148		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Beryllium (Be)-Total	<0.00020		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Bismuth (Bi)-Total	<0.00020		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Boron (B)-Total	<0.010		0.010	mg/L	10-SEP-10	10-SEP-10	R1463946
Cadmium (Cd)-Total	<0.000010		0.000010	mg/L	10-SEP-10	10-SEP-10	R1463946
Calcium (Ca)-Total	4.76		0.10	mg/L	10-SEP-10	10-SEP-10	R1463946
Cesium (Cs)-Total	0.00028		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Chromium (Cr)-Total	0.0103		0.0010	mg/L	10-SEP-10	10-SEP-10	R1463946
Cobalt (Co)-Total	0.00103		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Copper (Cu)-Total	0.00340		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Iron (Fe)-Total	1.65		0.020	mg/L	10-SEP-10	10-SEP-10	R1463946
Lead (Pb)-Total	0.000904		0.000090	mg/L	10-SEP-10	10-SEP-10	R1463946
Lithium (Li)-Total	0.0029		0.0020	mg/L	10-SEP-10	10-SEP-10	R1463946
Magnesium (Mg)-Total	2.25		0.010	mg/L	10-SEP-10	10-SEP-10	R1463946
Manganese (Mn)-Total	0.0217		0.00030	mg/L	10-SEP-10	10-SEP-10	R1463946
Molybdenum (Mo)-Total	0.00094		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Nickel (Ni)-Total	0.0066		0.0020	mg/L	10-SEP-10	10-SEP-10	R1463946
Phosphorus (P)-Total	<0.20		0.20	mg/L	10-SEP-10	10-SEP-10	R1463946
Potassium (K)-Total	1.37		0.020	mg/L	10-SEP-10	10-SEP-10	R1463946
Rubidium (Rb)-Total	0.00525		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Selenium (Se)-Total	<0.0010		0.0010	mg/L	10-SEP-10	10-SEP-10	R1463946
Silicon (Si)-Total	3.42		0.050	mg/L	10-SEP-10	10-SEP-10	R1463946
Silver (Ag)-Total	<0.00010		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Sodium (Na)-Total	0.813		0.030	mg/L	10-SEP-10	10-SEP-10	R1463946
Strontium (Sr)-Total	0.0216		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Tellurium (Te)-Total	<0.00020		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Thallium (Tl)-Total	<0.00010		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Thorium (Th)-Total	0.00153		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Tin (Sn)-Total	<0.00020		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Titanium (Ti)-Total	0.0490		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Tungsten (W)-Total	<0.0010		0.0010	mg/L	10-SEP-10	10-SEP-10	R1463946
Uranium (U)-Total	0.00102		0.00010	mg/L	10-SEP-10	10-SEP-10	R1463946
Vanadium (V)-Total	0.00230		0.00020	mg/L	10-SEP-10	10-SEP-10	R1463946
Zinc (Zn)-Total	<0.0050		0.0050	mg/L	10-SEP-10	10-SEP-10	R1463946
Zirconium (Zr)-Total	0.00299		0.00040	mg/L	10-SEP-10	10-SEP-10	R1463946
Dissolved Metals by ICP-MS							
Aluminum (Al)-Dissolved	0.0043		0.0020	mg/L	09-SEP-10	10-SEP-10	R1464386
Antimony (Sb)-Dissolved	<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Arsenic (As)-Dissolved	0.00112		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Barium (Ba)-Dissolved	0.00443		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Beryllium (Be)-Dissolved	<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Bismuth (Bi)-Dissolved	<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Boron (B)-Dissolved	<0.010		0.010	mg/L	09-SEP-10	10-SEP-10	R1464386
Cadmium (Cd)-Dissolved	<0.000010		0.000010	mg/L	09-SEP-10	10-SEP-10	R1464386

ALS LABORATORY GROUP ANALYTICAL REPORT

Sample Details/Parameters		Result	Qualifier*	D.L.	Units	Extracted	Analyzed	Batch
L929414-9 BGW-3								
Sampled By: CLIENT on 04-SEP-10 @ 18:00								
Matrix: WATER								
Dissolved Metals by ICP-MS								
Calcium (Ca)-Dissolved		4.41		0.050	mg/L	09-SEP-10	10-SEP-10	R1464386
Cesium (Cs)-Dissolved		<0.00010		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Chromium (Cr)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Cobalt (Co)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Copper (Cu)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Iron (Fe)-Dissolved		<0.010		0.010	mg/L	09-SEP-10	10-SEP-10	R1464386
Lead (Pb)-Dissolved		0.000174		0.000090	mg/L	09-SEP-10	10-SEP-10	R1464386
Lithium (Li)-Dissolved		<0.0020		0.0020	mg/L	09-SEP-10	10-SEP-10	R1464386
Magnesium (Mg)-Dissolved		1.58		0.010	mg/L	09-SEP-10	10-SEP-10	R1464386
Manganese (Mn)-Dissolved		0.00030		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Molybdenum (Mo)-Dissolved		0.00112		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Nickel (Ni)-Dissolved		0.00075		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Phosphorus (P)-Dissolved		<0.10		0.10	mg/L	09-SEP-10	10-SEP-10	R1464386
Potassium (K)-Dissolved		0.925		0.020	mg/L	09-SEP-10	10-SEP-10	R1464386
Rubidium (Rb)-Dissolved		0.00162		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Selenium (Se)-Dissolved		<0.0010		0.0010	mg/L	09-SEP-10	10-SEP-10	R1464386
Silicon (Si)-Dissolved		0.293		0.050	mg/L	09-SEP-10	10-SEP-10	R1464386
Silver (Ag)-Dissolved		<0.00010		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Sodium (Na)-Dissolved		0.745		0.020	mg/L	09-SEP-10	10-SEP-10	R1464386
Strontium (Sr)-Dissolved		0.0199		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Tellurium (Te)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Thallium (Tl)-Dissolved		<0.00010		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Thorium (Th)-Dissolved		<0.00010		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Tin (Sn)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Titanium (Ti)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Tungsten (W)-Dissolved		<0.0010		0.0010	mg/L	09-SEP-10	10-SEP-10	R1464386
Uranium (U)-Dissolved		0.00019		0.00010	mg/L	09-SEP-10	10-SEP-10	R1464386
Vanadium (V)-Dissolved		<0.00020		0.00020	mg/L	09-SEP-10	10-SEP-10	R1464386
Zinc (Zn)-Dissolved		<0.0020		0.0020	mg/L	09-SEP-10	10-SEP-10	R1464386
Zirconium (Zr)-Dissolved		<0.00040		0.00040	mg/L	09-SEP-10	10-SEP-10	R1464386
pH, Conductivity and Total Alkalinity								
Alkalinity								
Alkalinity, Total (as CaCO3)		16.4		1.0	mg/L		09-SEP-10	R1462485
Bicarbonate (HCO3)		20.0		2.0	mg/L		09-SEP-10	R1462485
Carbonate (CO3)		<0.60		0.60	mg/L		09-SEP-10	R1462485
Hydroxide (OH)		<0.40		0.40	mg/L		09-SEP-10	R1462485
Conductivity								
Conductivity		49.4		0.40	umhos/cm		09-SEP-10	R1462485
pH								
pH		7.57		0.10	pH units		09-SEP-10	R1462485
L929414-10 DUP-1-(BGS-5)								
Sampled By: CLIENT on 04-SEP-10 @ 18:30								
Matrix: WATER								
Miscellaneous Parameters								
Ammonia as N		<0.050		0.050	mg/L		15-SEP-10	R1467976
Chlorophyll a		0.488		0.010	ug/L	20-SEP-10	21-SEP-10	R1473012
Dissolved Organic Carbon		1.3		1.0	mg/L		10-SEP-10	R1463865
Hardness (as CaCO3)		6.77		0.20	mg/L		14-SEP-10	
Hardness (as CaCO3)		6.77		0.30	mg/L		14-SEP-10	
Mercury (Hg)-Total		<0.000050		0.000050	mg/L	10-SEP-10	10-SEP-10	R1465384

* Refer to Referenced Information for Qualifiers (if any) and Methodology.

Reference Information

QC Samples with Qualifiers & Comments:

QC Type Description	Parameter	Qualifier	Applies to Sample Number(s)
Duplicate	Ortho Phosphorus Soluble As P	DLA	L929414-1, -10, -2, -3, -4, -5, -6, -7
Duplicate	Ortho Phosphorus Soluble As P	DLA	L929414-1, -10, -2, -3, -4, -5, -6, -7

Qualifiers for Sample Submission Listed:

Qualifier	Description
EHR	Exceeded Recommended Holding Time On Receipt: Proceed With Analysis As Requested

Sample Parameter Qualifier Key:

Qualifier	Description
DLA	Detection Limit Adjusted For required dilution

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**

ALK-TOT-WP	Water	Alkalinity	APHA 2320B

Alkalinity of water is a measure of its acid neutralizing capacity. Alkalinity is imparted by bicarbonate, carbonate and hydroxide components of water. It is determined by titration with a standard solution of strong mineral acid to the successive HCO₃⁻ and H₂CO₃ endpoints indicated electrometrically.

ANIONS5-IC-WP	Water	Anions scan (IC)	EPA 300.1 IC

This analysis is carried out using procedures adapted from EPA Method 300.1 "Determination of Inorganic Anions in Drinking Water by Ion Chromatography".

C-DIS-ORG-WP	Water	Dissolved Organic Carbon	APHA 5310 B-INSTRUMENTAL-WP

This method is applicable to the analysis of ground water, wastewater, and surface water samples. The form detected depends upon sample pretreatment: Unfiltered sample = TC, 0.45um filtered = TDC. Samples are injected into a combustion tube containing an oxidation catalyst. The carrier gas containing the combustion product from the combustion tube flows through an inorganic carbon reactor vessel and is then sent through a halogen scrubber into a sample cell set in a non-dispersive infrared gas analyzer (NDIR) where carbon dioxide is detected. For total inorganic carbon and dissolved inorganic carbon, the sample is injected into an IC reactor vessel where only the IC component is decomposed to become carbon dioxide.

The peak area generated by the NDIR indicates the TC/TDC or TIC/DIC as applicable. The total organic carbon content of the sample is calculated by subtracting the TIC from the TC.

TOC = TC-TIC, DOC = TDC-DIC, Particulate = Total - Dissolved.

C-TOT-ORG-WP	Water	Total Organic Carbon	APHA 5310 B-INSTRUMENTAL-WP

This method is applicable to the analysis of ground water, wastewater, and surface water samples. The form detected depends upon sample pretreatment: Unfiltered sample = TC, 0.45um filtered = TDC. Samples are injected into a combustion tube containing an oxidation catalyst. The carrier gas containing the combustion product from the combustion tube flows through an inorganic carbon reactor vessel and is then sent through a halogen scrubber into a sample cell set in a non-dispersive infrared gas analyzer (NDIR) where carbon dioxide is detected. For total inorganic carbon and dissolved inorganic carbon, the sample is injected into an IC reactor vessel where only the IC component is decomposed to become carbon dioxide.

The peak area generated by the NDIR indicates the TC/TDC or TIC/DIC as applicable. The total organic carbon content of the sample is calculated by subtracting the TIC from the TC.

TOC = TC-TIC, DOC = TDC-DIC, Particulate = Total - Dissolved.

CHLOROA-VA	Water	Chlorophyll a by Fluorometer	EPA 445.0

Chlorophyll and Pheopigments by Fluorometry analysis is carried out using procedures adapted from USEPA Method 445.0. The sample is filtered using either a glass fiber filter or a 0.45 micron Membrane filter. The pigments are extracted from the filter with 90% aqueous acetone. For chlorophyll-a analysis the extract is read using a fluorometer. For pheopigments the extract is first acidified then read. This method is not subject to interferences from chlorophyll b.

EC-WP	Water	Conductivity	APHA 2510B

Conductivity of an aqueous solution refers to its ability to carry an electric current. Conductance of a solution is measured between two spatially fixed and chemically inert electrodes.

ETL-HARDNESS-DIS-WP	Water	Hardness Calculated	Calculated

ETL-HARDNESS-TOT-WP	Water	Hardness Calculated	Calculated

HG-T-CVAF-WP	Water	Mercury Total	EPA245.7 V2.0

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**
Mercury in filtered and unfiltered waters is oxidized with Bromine monochloride and analyzed by cold-vapour atomic fluorescence spectrometry.			
MET-D-L-MS-WP	Water	Dissolved Metals by ICP-MS	U.S. EPA 200.8-DL
Dissolved Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the Examination of Water and Wastewater method 3030B for filtration through a 0.45 um filter and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.			
MET-T-L-MS-WP	Water	Total Metals by ICP-MS	U.S. EPA 200.8-TL
Total Metals by ICP-MS: This analysis is carried out using sample preparation procedures adapted from Standard Methods for the examination of Water and Wastewater Method 3030E and analytical procedures adapted from U.S EPA Method 200.8 for analysis of metals by inductively coupled-mass spectrometry.			
N-TOTKJ-WP	Water	Total Kjeldahl Nitrogen	Quickchem method 10-107-06-2-E Lachat
Samples are digested with a sulphuric acid solution, cooled, diluted with water, and analyzed for ammonia. Total Kjeldahl nitrogen is the sum of free-ammonia and organic nitrogen compounds which are converted to ammonium sulphate through this digestion process. Analysis is performed by Flow Injection Analysis (FIA). The pH of the digested sample is raised to a known, basic pH by neutralization with a concentrated buffer solution. This neutralization converts the ammonium cation to ammonia. The ammonia produced is heated with salicylate and hypochlorite to produce blue colour which is proportional to the ammonia concentration.			
NH3-COL-WP	Water	Ammonia by colour	APHA 4500 NH3 F
Ammonia - Colourimetric using Salicylate-nitroprusside and hypochlorite, in an alkaline phosphate buffer.			
NO2+NO3-CALC-WP	Water	Nitrate+Nitrite	CALCULATION
P-ORTHO-SOL-WP	Water	Ortho Phosphorous Soluble	APHA, 1998 P-OS
Quantitative orthophosphorous values are determined without prior digestion of the sample. The samples are analyzed by either the Flow Injection Analysis (FIA) or the Segmented Flow Analysis (SFA) method. The absorbance measured by the instrument is proportional to the concentration of orthophosphate in the sample, and is reported as phosphorous.			
P-TOTAL-WP	Water	Phosphorus, Total	APHA, 1998 P-T
Samples are digested using a sulphuric acid-persulfate mixture to convert organic phosphorous to orthophosphate. The samples are analyzed by either the Flow Injection Analysis (FIA) or the Segmented Flow Analysis (SFA) method. The absorbance measured by the instrument is proportional to the concentration of orthophosphate in the sample, and is reported as phosphorous.			
PH-WP	Water	pH	APHA 4500H
pH of a sample is the determination of the activity of the hydrogen ions by potentiometric measurement using a standard hydrogen electrode and a reference electrode.			
SOLIDS-TDS-WP	Water	Total Dissolved Solids	APHA 2540
The residue remaining in a prepared casserole after passing the sample through a 1.2 um Whatman GF/C glass microfibre filter and drying at 180 degrees C. Samples may be dried at 105 degrees C if the client specifically requests this drying temperature.			
SOLIDS-TOTSUS-LR-WP	Water	Total Suspended Solids	APHA 2540 LR
The residue retained by a prepared 1.5 um Whatman 934-AH glass microfibre filter dried at 105 degrees C. A method detection limit of 2 mg/L can be achieved when 500 mL of sample is used.			
TURBIDITY-WP	Water	Turbidity	APHA, 1998, 2130B

Reference Information

Test Method References:

ALS Test Code	Matrix	Test Description	Method Reference**

A strong light beam is sent through a transparent tube containing the sample. Light that is reflected at 90 degrees to the axis by suspended particles is detected by the photocell. The electrical response is proportional to the sample turbidity.

** ALS test methods may incorporate modifications from specified reference methods to improve performance.

The last two letters of the above test code(s) indicate the laboratory that performed analytical analysis for that test. Refer to the list below:

Laboratory Definition Code	Laboratory Location
WP	ALS LABORATORY GROUP - WINNIPEG, MANITOBA, CANADA
VA	ALS LABORATORY GROUP - VANCOUVER, BC, CANADA

Chain of Custody Numbers:

GLOSSARY OF REPORT TERMS

Surrogates are compounds that are similar in behaviour to target analyte(s), but that do not normally occur in environmental samples. For applicable tests, surrogates are added to samples prior to analysis as a check on recovery. In reports that display the D.L. column, laboratory objectives for surrogates are listed there.

mg/kg - milligrams per kilogram based on dry weight of sample

mg/kg ww - milligrams per kilogram based on wet weight of sample

mg/kg lwt - milligrams per kilogram based on lipid-adjusted weight

mg/L - unit of concentration based on volume, parts per million.

< - Less than.

D.L. - The reporting limit.

N/A - Result not available. Refer to qualifier code and definition for explanation.

Test results reported relate only to the samples as received by the laboratory.

UNLESS OTHERWISE STATED, ALL SAMPLES WERE RECEIVED IN ACCEPTABLE CONDITION.

Analytical results in unsigned test reports with the DRAFT watermark are subject to change, pending final QC review.

hibe-7

Report to:			Report Format / Distribution			Service Requested:		
Company:	Agnico-Eagle Mines Ltd.		☒ Standard	☐ Other	☒ Regular Service (Default)			
Contact:	Ryan VanEngen		☒ PDF	☒ Excel ☐ Fax	☐ Rush Service (2-3 Days)			
Address:	Meadowbank Division PO Box 540 Baker Lake Nun.		☐ Priority Service (1 Day or ASAP)					
			☐ Emergency Service (<1 Day / Weekend) - Contact ALS					
Phone:	867 793 4610x6759 Fax:		Analysis Request					
Invoice To:	☒ Same as Report		Indicate Bottles: Filtered / Preserved (F/P) → →					
Company:	Agnico-Eagle Mining Ltd.		Client / Project Information:					
Contact:	Accounts Payable-Meadowbank Division		Job #: Dike					
Address:	email electronic invoice to rvanengen@agnico-eagle.com		POI/AFE:					
Sample			Legal Site Description:					
Phone:	Fax:		Quote #: Q21514					
Lab Work Order #	ALS		ALS Contact:					
Sample #	Sample Identification (This description will appear on the report)		Date		Time			
			dd-mm-yy		hh:mm			
	BGE-1		04-Sep-10		14:00			
	BGS-1		04-Sep-10		14:30			
	BGS-2		04-Sep-10		15:00			
	BGS-3		04-Sep-10		15:30			
	BGS-4		04-Sep-10		16:00			
	BGS-5		04-Sep-10		16:30			
	BGS-6		04-Sep-10		17:00			
	BGW-2		04-Sep-10		17:30			
	BGW-3		04-Sep-10		18:00			
	DUP - 1 - (BGS-5)		04-Sep-10		18:30			
Guidelines / Regulations			Special Instructions / Hazardous Details					
Failure to complete all portions of this form may delay analysis. Please fill in this form LEGIBLY.								
By the use of this form the user acknowledges and agrees with the Terms and Conditions as specified on the adjacent worksheet.								
Relinquished By:	Martin T	Date & Time:	05-sept-10	Received By:	Date & Time:			
Relinquished By:		Date & Time:		Received By:	Date & Time:			
				Temperature				
				Sample Condition (lab use only)				
				Samples Received in Good Condition? Y / N (if no provided details)				