FISHERIES ASSESSMENT OF THE PROPOSED MARINE DOCKING FACILITY AT KUGLUKTUK, NUNAVUT 2002

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Prepared for:

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and
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Aimee Ahegona	**Alice Ayalik**
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The study was conducted by the following personnel from Golder Associates Ltd.:

Jim O'Neil	Senior Fisheries Biologist, Project Leader and Author
Jim Campbell	Project Fisheries Biologist, Field Coordinator and Author
Natasha Thorpe	Environmental Scientist, Traditional Knowledge Specialist
Peter Morgan	Senior Coastal and River Engineer, Review of breakwater and causeway effects

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REPORT SUMMARY

The Government of Nunavut, through the Department of Public Works and Services (PW&S) and Department of Community & Transportation (CG&T) is proposing to re-locate the barge offloading facility in Kugluktuk. This would involve construction of a new marine docking facility located in Coronation Gulf 1.5 km west of the existing facility. The current barge landing and staging area is considered inadequate to meet the present and future demands of the community. In addition there have been issues over the years with respect to community safety during the offloading process and related to the location and condition of the existing fuel delivery system in the Hamlet. Based on these concerns the community has requested that the re-location proceed as soon as possible. The community has stated that the development will not adversely affect fish habitat or interfere with traditional fishing activities. However, in order to ensure that the project meets federal Department of Fisheries and Oceans requirements with respect to "no net loss of fish habitat", a study was commissioned by PW&S and CG&T in June 2002.

The study was awarded to Golder Associates Ltd., and field activities in the area were conducted during summer (14 to 26 July) and fall (27 August to 4 September) with the assistance of the Angoniatit Niovikvia Ltd. (Kugluktuk). The activities carried out included: community consultation and participation (public meeting, interviews with elders and fishers, collection of Inuit Qaujimajatuqangit on local fisheries and habitats), an assessment of fish habitat and fish resources in the vicinity of the proposed causeway and breakwater, and a collection of baseline information on nearshore water quality and sediment characteristics, phytoplankton, zooplankton and benthic invertebrates. The fish sampling program involved setting a directional fyke net (trap net) perpendicular to the shoreline at the location of the causeway. The intent was to assess fish movements through the shallow nearshore zone (within the 2 m contour interval). Gill nets and beach seines were used at various locations to supplement the fyke net data. Key habitat parameters, such as water temperature, salinity, depth and substrate, also were assessed.

In total, 4221 fish were recorded during the two field sessions; the majority (96%) were captured in the fyke net. The 18 fish species recorded, represented four distinct life cycle patterns: freshwater, amphidromous, anadromous and marine. The freshwater species (Arctic grayling, round whitefish, northern pike, burbot, longnose sucker) were assumed to be residents of the Coppermine River which had entered the perimeter of the estuary for summer feeding purposes. This group contributed 12% to the total catch. The amphidromous species (Arctic char, Arctic cisco, broad whitefish, lake whitefish, least cisco) represent a group of fish that spawn and overwinter in fresh water, yet spend several months each year feeding in shallow, brackish estuarine environments. These habitats, due to higher water temperatures and greater productivity compared to riverine or marine habitats, provide more favorable growth conditions. This group of fish

contributed 48% to the total catch in the vicinity of the proposed causeway and breakwater structures. Within this group, the dominant species was lake whitefish (989 captured) followed by broad whitefish (722), Arctic cisco (221), Arctic char (111), and least cisco (4). It is likely that many of these individuals originated from the Coppermine River (particularly the Arctic char and lake whitefish), although some may have migrated into the area from other spawning populations. A single anadromous species, rainbow smelt, was recorded (80 individuals captured); this species likely spawns in the Coppermine River and overwinters in the estuary. Seven marine species were encountered during the study, including three flatfish species (starry flounder, Arctic flounder, longhead dab), two species of cod (saffron cod, Greenland cod), pacific herring and capelin. The marine species contributed about 38% to the overall catch; saffron cod made the largest contribution to the marine group (901 of 1582 individuals captured).

Based on the results obtained in the present study (survey data and local knowledge) it is apparent that the development would affect fish habitat and local fish stocks by: 1) intercepting, and possibly delaying, seasonal fish migrations along the nearshore coastline; 2) removing fish habitat from production due to the footprint of the causeway and breakwater structures; and, 3) altering habitat within the aquatorium (wave protected area located behind the breakwater). With respect to fish movements through the area, it is our opinion that the causeway and breakwater will not substantially harm fish populations. We believe that the causeway will be readily bypassed due to the restricted length (60 m) of the structure and because of the tendency of migrating fish to lead in an offshore direction when encountering an obstacle. Also, the causeway will only penetrate into a small portion (16%) of the available migration corridor (i.e., the 2 m contour interval extends 375 m offshore). Our conclusion is supported by the results of long term studies conducted along the Beaufort Sea coastline in Alaska. These investigations were related to the construction of major gravel-fill causeways (i.e., West Dock and Endicott Causeways are 4.3 km and 8.0 km in length, respectively). Researchers, in Alaska were unable to confirm any adverse effects on migratory fish (which included populations of Arctic cisco and broad whitefish). Although site, and seasonally, specific changes in the temperature/salinity regime were detected, these changes tended to fall within the natural range of variability for these parameters.

The combined footprint of the causeway and breakwater is 6200 m^2 (0.006 km^2). The aquatorium encompasses an additional 53 120 m^2 (0.05km^2). The affected area presently serves as seasonal feeding and rearing habitat for a wide range of species, and is situated within the nearshore movement corridor. Spawning at the site was not documented, although according to local knowledge capelin are known to spawn in the general area. Capelin eggs were observed in the stomach of a broad whitefish captured in the eastbound trap indicating that spawning may have occurred to the west of the proposed

development. Fish overwintering at the site is not possible because the area freezes to the bottom during winter. Nearshore habitat similar to the type of area affected by the development (i.e., area situated within the 2 m contour interval) appears to be widely available in the area. The combined footprint would result in the loss of only 0.3% of the total available similar habitat. When the aquatorium is included (the "worst case scenario"), the loss would represent 3% of the total available similar habitat. A portion (20%) of the affected nearshore area will be replaced by submerged side slope habitat associated with the causeway and breakwater (i.e., 1200 m^2). This type of habitat (i.e., rip-rapped sideslope) will increase the habitat diversity in the general area.

While it is evident that the "no net loss" objectives cannot be met strictly on an area replacement basis, there will be substantial benefits associated with re-location of the facility from its current location (e.g., reduced risk of experiencing a serious pollution and fisheries incident). Based on our review of the potential gains and losses associated with the project, it is our opinion that the fisheries benefits resulting form the re-location of the barge facility in Kugluktuk will outweigh any adverse effects resulting from the construction and operation of the new facility.

TABLE OF CONTENTS

LIST OF TABLES

LIST OF FIGURES

LIST OF APPENDICES

1.0 INTRODUCTION

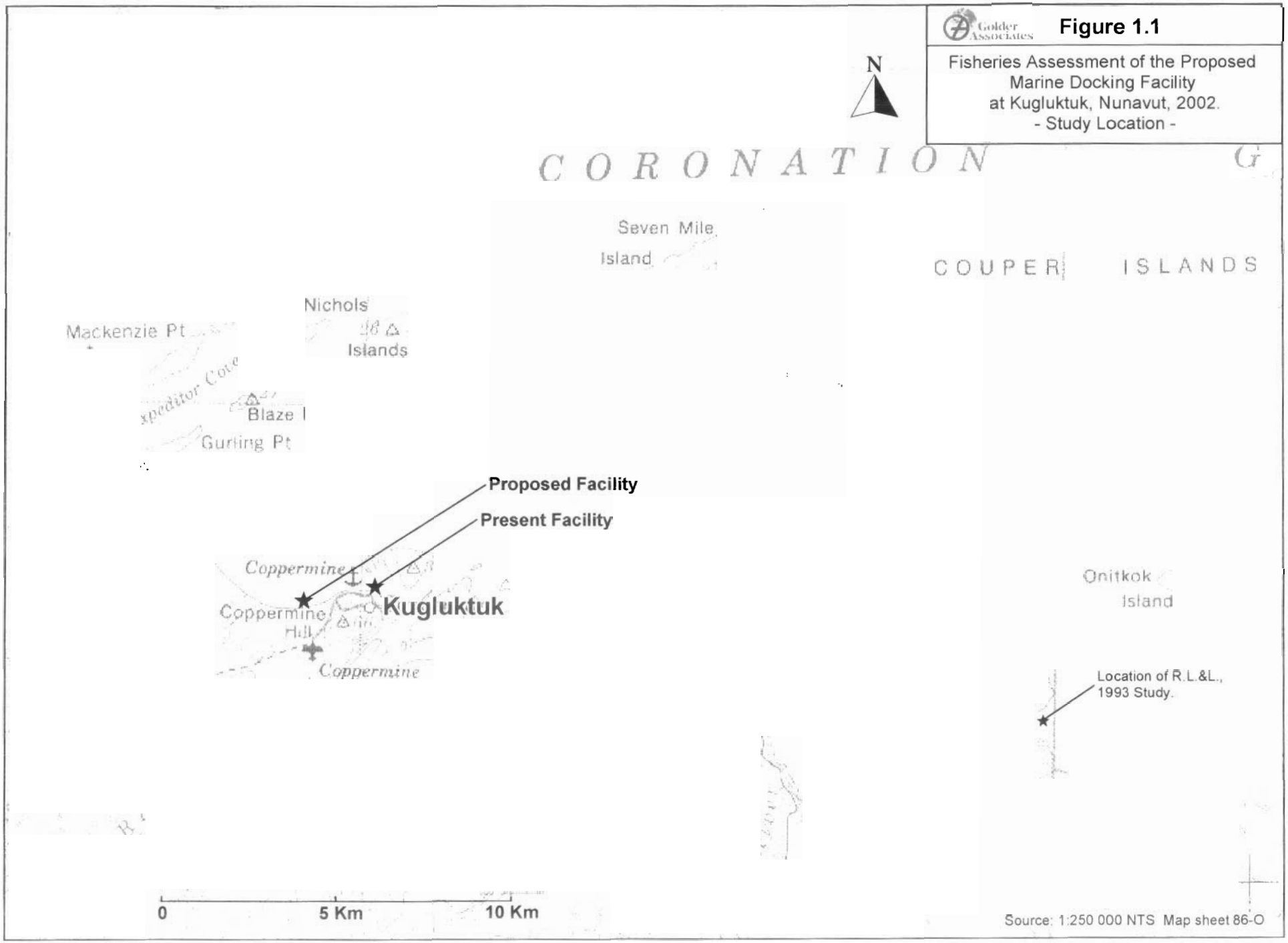
1.1 Background

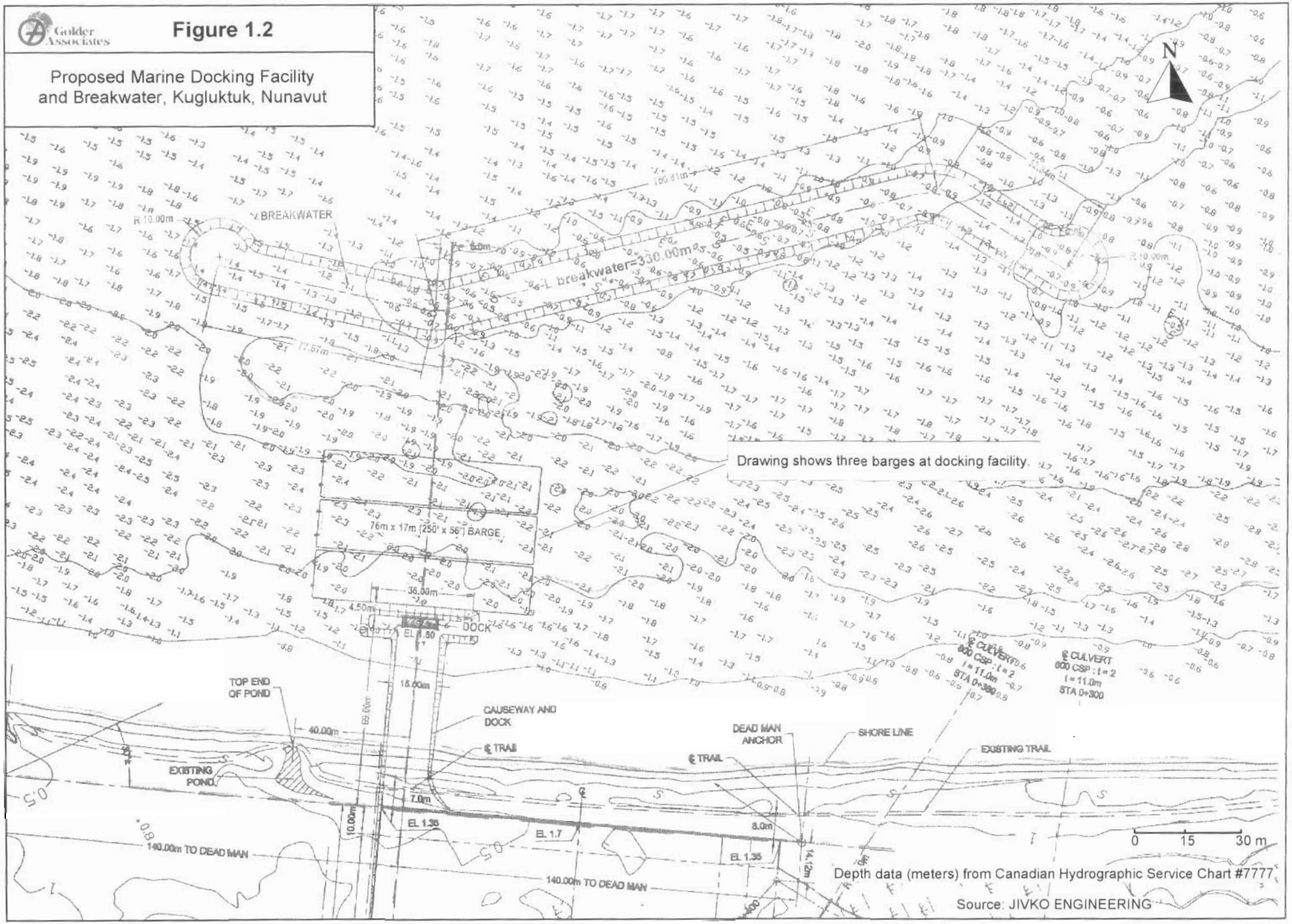
The Government of Nunavut (GN), through the Department of Public Works & Services (PW&S) and the Department of Community & Transportation (CG&T), is proposing to construct a new Marine Docking Facility near the Hamlet of Kugluktuk (Figure 1.1).

The existing barge landing and staging area for the Hamlet of Kugluktuk is located in shallow water, adjacent to the mouth of the Coppermine River. It is considered inadequate to meet the current and anticipated future demands of the community. Tugboat/barge traffic associated with sealift operations exceeds the capacity of the facility resulting in hazardous conditions for workers offloading supplies and the community at large. In addition, propellers on the re-supply tugboats disturb river bed sediments which affects fish habitat at and adjacent to the site.

The sealift into Kugluktuk generally involves several landings each year during August and September (average of two per year); five tugboat/barge arrivals were recorded in the current year (between 24 August and 21 September) (Pers. Comm. G. Whitlock, NTCL). The community is presently served by pusher-towing tugs with a length of 43 to 44 m and a loaded draft of 1.14 m (tug/barge specifications provided by Northern Transportation Company Ltd., Hay River, Northwest Territories). The tugs are powered by four diesel engines, which each produce 1125 hp and drive a 1.42 m diameter propeller. Typically, the tugs transport three loaded barges to Kugluktuk during each visit. The barges used are 76.2 m (250 ft) in length, with a width of 17.1 m (55 ft) when lightly loaded and 2.1 m (6.8 ft) when at maximum loading. The barges are generally positioned at the docking facility for a total of approximately eight days during the year. In 2002 barges were in position at the landing for a total of 14 days (Pers. Comm. G. Whitlock, NTCL).

The proposed Marine Docking Facility will provide increased capacity for the offloading and temporary storage of dry cargo and fuel delivered during the yearly sealift. It will also provide shelter for marine re-supply vessels and for community fishing and recreational vessels during inclement weather. The proposed facility will replace the existing barge landing and staging area, will ensure deep water access close to shore for re-supply vessels, and provide a larger staging area for offloading cargo (Figure 1.2). A photographic review of the study area and the associated project activities is presented in the Photographic Plates (Plates 1 to 24) section which precedes the appendices.


Golder Associates
Figure 1.1
Fisheries Assessment of the Proposed Marine Docking Facility at Kugluktuk, Nunavut, 2002.
- Study Location -
N
CORONATION
Seven Mile Island
COUPER ISLANDS
Nichols Islands
Mackenzie Pt
Expeditor Cove
Blaze I
Gurling Pt
Proposed Facility
Present Facility
Coppermine
Kugluktuk
Coppermine Hill
Coppermine
Onitkok Island
Location of R.L.&L., 1993 Study.
0
5 Km
10 Km
Source: 1:250 000 NTS Map sheet 86-O


Golder Associates
Figure 1.2
Proposed Marine Docking Facility and Breakwater, Kugluktuk, Nunavut
N
BREAKWATER
R10.00m
L breakwater=330.00m
Drawing shows three barges at docking facility.
76m x 17m (250' x 56') BARGE
36.00m
4.50m
DOCK
EL 1.50
15.00m
TOP END OF POND
CAUSEWAY AND DOCK
40.00m
℄ TRAIL
EXISTING POND
7.0m
10.00m
EL 1.35
EL 1.7
140.00m TO DEAD MAN
DEAD MAN ANCHOR
SHORE LINE
EXISTING TRAIL
8.0m
14.12m
℄ CULVERT 600 CSP : t = 2 l = 11.0m STA 0+300
0 15 30 m
Depth data (meters) from Canadian Hydrographic Service Chart #7777
Source: JIVKO ENGINEERING

1.2 Study Objectives

The major objectives of the Fisheries Assessment Study for the proposed Marine Docking Facility were to:

- determine the impact of the construction and operation of the Marine Docking Facility on aquatic habitat and fish resources at the proposed site in Coronation Gulf;
- assess the merits of the proposed re-location with respect to the Department of Fisheries and Oceans (DFO) policy for "No Net Loss" of fish habitat; and,
- to provide recommendations on mitigation and compensation as required to meet the "No Net Loss" objectives.

1.3 Study Area

The proposed Marine Docking Facility will be located approximately 1.5 km west of the existing barge landing and staging area. Access will be via a gravel road leading from the existing Airport Road. The facility will include a land portion (i.e., marshalling area, access road, and fuel pipeline with manifold) completed in 2001 and a marine portion (i.e., breakwater, causeway and docking complexes) proposed for completion in 2003. The study area for the Fish Habitat Assessment focused primarily on an area within 500 m of the proposed causeway and breakwater. However, some effort was extended to the near shore habitat zone from the Coppermine River confluence to a point approximately 3 km west of the proposed Marine Docking Facility.

2.0 APPROACH AND METHODS

2.1 Timing and Logistics

The 2002 sampling program at the proposed Marine Docking Facility, included two sampling periods (i.e., summer and late summer/early fall). The summer field session was conducted soon after the drifting ice conditions allowed for boat travel (14 to 26 July). During the early summer sampling period, field activities included the collection of traditional knowledge (Inuit Qaujimajatuqangit or IQ) and background data on water quality, plankton, benthic invertebrates and sediment in the nearshore zone. Fish sampling was also conducted using fyke nets, gill nets, and beach seines. The second field period commenced on 27 August and continued until 4 September. The fall sampling program included, water chemistry and continuation of the fisheries study component. Community consultation was carried out before, during, and after both sampling periods.

Equipment and personnel were transported to Kugluktuk on commercially scheduled flights. Two residents of Kugluktuk were hired through the Kugluktuk Angoniatit Association (KAA) to assist in the study. All work was based out the town of Kugluktuk due to the close proximity to the study site.

2.2 Sampling Techniques

2.2.1 Community Consultation and Participation

The community consultation process was comprised of two components. The first component involved meeting with stakeholders and making presentations to community members. This allowed for input into the study design and comprised documentation of local concerns. The second component involved meeting with focus groups comprised of elders and fishers in order to document Inuit Qaujimajatuqangit of the local fisheries and fish habitat. The guiding principle with respect to community consultation was to ensure that contact was both frequent and meaningful.

Stakeholder Meetings: Presentation to Hamlet Council

Once the contract was awarded, key agencies were contacted in order to raise awareness of the study. During the first study session, meetings were held (15 to 18 July) with representatives from key stakeholder groups. These included the Kugluktuk Angoniatit Association, Hamlet of Kugluktuk, Kitikmeot Inuit Association, the Department of Sustainable Development (Government of Nunavut), and the Naonayaotit Study[1]. Meetings were also held with the Commissioner of Nunavut, Peter Irniq; local MLA, Donald Havioyak; and Mayor of Kugluktuk, Stanley Anablak. In addition to meeting with representatives of local agencies, several community members were visited at their homes. Phone calls were made to the Department of Culture, Languge, Elders and Youth (Government of Nunavut) since a personal visit was not possible (i.e., due to conflicting schedules). These meetings served to raise awareness of the study (e.g., study design and schedule), and document local concerns. Informal meetings continued throughout the duration of the first phase of the study.

Because the timing of our July sampling period coincided with a fish derby and perfect camping weather, we were advised not to hold a public meeting. Instead, we were invited to make a presentation at the Hamlet Council meeting. The meeting was open to the public and attended by the local MLA as well as several interested community members.

Meetings with Elders and Hunters: Documenting Inuit Qaujimajatuqangit

Inuit Qaujimajatuqangit comprised an important component of the study. Local knowledge held by expert fishers and elders assisted the fisheries biologists in locating areas of fish concentration and domestic fishing activity. The information also provided insight into short and long term changes in the Coppermine River, delta and estuary.

On 16 July 2002, a two hour interview was held with elders Aime Ahegona, Bobby Algona, Alice Anablak, Alice Ayalik, and Peter Kamingoak. Although there were plans to visit the barge facility to facilitate discussion specific to the site, the trip was cancelled due to poor weather and logistic problems. Instead the interview took place at the office of the KAA. Prior to commencing the meeting, the study background was explained and consent forms were signed. Next, the terms of the interview and how the interview results would be used were discussed. It was determined that copies of all recordings would be donated to the local school, elders centre, CLEY office and KAA office. A copy would also be sent to the Naonayatotit Study for incorporation into their database. Ownership of the shared information would be retained by the elders. It was agreed that the information could be included in the present fisheries assessment report.

[1]We were unable to schedule a meeting with a representative from the Government of Nunavut, Department of Culture Language, Elders and Youth. In addition, we were unable to meet with the Elders Group because their meetings had ceased for the summer.

Training of Local Assistants

Isaac Klengenberg and George Taptuna, residents of Kugluktuk, participated in both the summer and late summer/early fall field sessions. They received training from the project biologist on-site with respect to: the setting and operation of the directional fyke net, the collection and recording of fisheries data, the use of a range of water quality meters (pH, salinity, conductivity) and specialized equipment for sampling the plankton and benthos communities. Due to their previous knowledge of fish and habitat resources in the area, they were able to provide considerable guidance to the project biologist.

2.2.2 Physical Habitat Description

The area directly affected by the footprint of the project (i.e., the near shore habitat displaced by the breakwater, causeway, and wharf structures) and the associated habitat within the zone of influence of the structures (within perimeter of breakwater and adjacent to the breakwater and causeway) were described and quantified as follows:

- calculation of potentially affected area based on technical scale drawings; verification of area involved through field measurements (laser range finder).
- characterization and differentiation of the potentially affected habitat through depth bathymetry, substrate assessment, and description of bottom and shoreline cover (underwater camera and snorkeling).

2.2.3 Temperature and Water Quality

During both survey periods a Vemco™ thermograph was deployed at the proposed Marine Docking Facility site. This provided data on seasonal changes and daily temperature fluctuations. The thermograph was set to electronically record water temperature (± 0.01°C) at 30 min intervals. The thermograph was deployed 50 m from shore during low tide at a depth of 1.5 m.

Selected water quality parameters were recorded at the proposed development site on an ongoing basis (pH, temperature, and salinity), using a WTM multi-meter. Temperature and salinity readings were determined at 1 m intervals. Turbidity was measured using a LaMotte 2020 meter and water transparency was measured using a standard Secchi disk.

Water samples at the study site were taken from a composite sample collected at the surface, mid-depth, and one metre above the bottom. The samples were collected using a pre-washed Van Dorn water bottle and mixed in a pre-washed 13 L (5 gal) bucket.

During the collection of water samples, polyethylene gloves were worn to prevent contamination of the samples. The samples were placed in pre-washed plastic bottles supplied by Enviro-Test Laboratories in Edmonton. The appropriate pre-measured preservatives supplied by Enviro-Test Laboratories were added prior to placing the labeled sample in a cooler.

The samples were kept cool at the site and shipped to Enviro-Test Laboratories as soon as possible after collection (within 48 h). Laboratory analyses included routine water parameters (including nutrients). Also included were analyses of oil/grease, BTEX (benzenes, toluenes, ethyl benzene, xylenes), TPH (total petroleum hydrocarbon), TEH (total extractable hydrocarbons, includes C5-C10/diesel (C11-C32)), phenols, PAH (polynucleic aromatic hydrocarbons), metals (ICP scan), TOC (total organic carbon), total coliform, and fecal coliform.

The constituents analyzed and their detection limits are listed in Appendix C, Table C-4. Methods used by Enviro-Test Laboratories are based on "Standard Methods for the Examination of Water and Wastewater", 19th Edition, published by the American Public Health Association, or on protocols of the United States Environmental Protection Agency (USEPA) as described in "Test Methods for Evaluating Solid Waste, Physical/Chemical Method, SW846", 3rd Edition. Other procedures are based on methodologies accepted by the appropriate regulatory agency. Methodology briefs and the QC (Quality Control) report are listed in Appendix C, Table C-5.

2.2.4 Sediment Characteristics

Sediment samples were collected from the same area as the water column samples. The surface layer of sediment (approximately 5 to 10 cm deep) was collected using a stainless steel 23 x 23 cm Ekman grab. The sediment samples were shipped to Enviro-Test Laboratories in Edmonton, Alberta, where they were analyzed to determine particle size distribution and a range of other parameters (section 2.2.3).

2.2.5 Periphyton

Field

Periphyton (chlorophyll *a*) samples were collected at the proposed Marine Docking Facility site at the beginning of the fall session. A 300 mL volume of water was filtered onto Whatman™ GF/C filter paper, covered with anhydrous $MgCO_3$, and frozen.

Laboratory

Chlorophyll *a* analysis was conducted on two samples using the spectrophotometric-acetone extraction method described by Moss (1967a, 1967b).

2.2.6 Phytoplankton

Field

Phytoplankton samples were collected from the proposed development site at the beginning of the summer session. Individual samples were drawn from a composite sample taken at 0.5 m depth intervals (i.e., from surface down to 0.25 m off the bottom). The sample was collected using a pre-washed Van Dorn water bottle and mixed in a pre-washed 13 L (5 gal) bucket. Samples were placed in labeled 500 mL containers, preserved with 5% acid-Lugol's solution, and stored in the dark.

Laboratory

Prior to the analyses, the phytoplankton samples were gently inverted, and 10 to 100 mL subsamples were dispensed into sedimentation chambers (Lund *et al.* 1958). After a 24 h sedimentation period, samples were processed. To obtain a comprehensive species list, the entire basal area of the chamber was scanned qualitatively with an inverted microscope (Wild™ M-40). Taxonomic keys used for identification included Prescott (1970), Taft and Taft (1971), and Webber (1971).

Once a comprehensive species list was established, cell density was assessed. To calculate cell density (cells/mL), individual cells were enumerated within a specified area of the sedimentation chamber. This was accomplished by counting the number of cells along horizontal transects placed across the specified area. To calculate the cell density of each species in the sample, the number of cells within the specified area was extrapolated to the subsample, and then to the entire sample.

Cell biovolume ($\mu m^3/m^3$) was calculated by first measuring the physical dimensions (length, width, and depth) of 10 to 30 cells of each species in the sample. Estimates of cell biovolume were then generated by multiplying the mean dimension of cells of a particular species by the number of cells enumerated for that species. The mean cell biovolume estimate for the subsample was then extrapolated to the entire sample. Species that were encountered during the qualitative assessment, but not enumerated (i.e., very low numbers or located outside the enumeration transects) were recorded as present.

For diatom identification and enumeration, a separate subsample was concentrated, dried onto a coverslip, ashed in a muffle furnace to remove organic matter, and mounted in Storax™.

2.2.7 Zooplankton

Field

Zooplankton samples were collected at two sites near the proposed development site at the beginning of the summer session. Three to five vertical hauls were taken depending on the location of the site. Zooplankton hauls were made with a Wisconsin-style net of Nitex® mesh (net mouth diameter 133.4 mm; mesh aperture 0.080 x 0.080 mm; bucket mesh aperture 0.064 x 0.064 mm). The hauls were placed in a 100 mL plastic container and immediately preserved in 5% formalin (to prevent predation by cyclopoid copepods).

Laboratory

Each sample was rinsed through a 64-µm Nitex® sieve and washed into a 150-mL beaker. If sub-sampling was necessary, the volume of the increased sample was 100 mL and 10 mL were removed by Hensen-Stempel pipette, (i.e., leading to a 1/10th sub-sample). The plankton were identified to species and life stage, where possible, and counted.

2.2.8 Benthic Macroinvertebrates

Field

Benthic macroinvertebrates were sampled 120 m from shore. Five replicate samples were collected at the site using an Ekman grab sampler (area equal to 0.023 m^2). Individual samples were then sieved through a 0.243 mm mesh to remove excess sediment, placed in labeled polyethylene sample bags, and preserved in 10% formalin. Water depth and substrate type were recorded for each sample location.

Laboratory

Each sample was rinsed in water to remove the preservative and sieved through a series of three sieves (1 mm, 500 µm and 180 µm) to make sorting easier. The organisms were removed, enumerated and identified. The sorted samples were stored in 70% isopropyl alcohol. No sub-sampling was required, and only three of the five replicates were analysed.

2.2.9 Fish

The fisheries survey at the proposed development site, included the immediate vicinity of the dock facilities and areas extending from the Coppermine River confluence to approximately 3 km west of the proposed Marine Docking Facility.

The main fish sampling method in shallow nearshore marine habitat involved using a two-way Arctic fyke net, similar to those used extensively along the Beaufort Sea coast (Bond and Erickson 1989) and along the coast east of Kugluktuk (RL&L 1993). The fyke net consisted of two traps separated by a 45 m lead set perpendicular to shore. This directional set-up allowed the separation of coastal migrations into eastward and westward components. The fyke net was installed along the centre line of the proposed causeway in order to simulate, as near as possible, the influence of the development on fish movements. The directional wings on the fyke net were 15 m long and were angled slightly towards the shore (i.e., to deter fish from circumventing the trap entrance). The traps were 3.7 m long and 0.9 m wide, contained two throats (15 x 25 cm each), and were constructed of 1.27 cm dark grey knotless nylon mesh. Wings and lead were constructed of 2.54 cm dark grey knotless nylon and were 1.7 m deep. Fyke nets were held in place by metal stakes driven into the sea bed.

Fyke nets were checked once or twice daily, depending on the catch and set duration. On each fyke net lift occasion, trapped fish were removed from the trap and transferred to plastic tubs filled with sea water, and the trap was reset immediately. The processing of the removed fish involved identification to species, measurement of length to the nearest millimetre (fork length for most species, total length for species that lack a forked caudal fin), and weight to the nearest gram (using a digital readout scale). All fish greater than 300 mm in length and in good health were tagged with uniquely numbered Floy tags and released. Stomach content and sexual maturity data were obtained only from a small number of fish that succumbed during processing (i.e., no fish were purposely killed in order to obtain life history information).

In addition to fyke nets, variable mesh size experimental gill nets were used. Each net measured 60 m x 1.8 m, and consisted of six multifilament nylon mesh panels (each 10 m in length) seamed together. Mesh sizes included 3.8, 5.1, 6.4, 7.6, 8.9, and 10.2 cm (stretched measure). The nets were continuously monitored (i.e., checked every hour); total set times ranged from one to four hours. The processing of the captured fish was identical to that described above for fyke nets.

A 9.1 m long beach seine (1.3 cm mesh size with 0.6 cm mesh size collection bag) was used to capture fish in a shallow beach habitat immediately west and east of the proposed Marine Docking Facility site. The catch was identified to species, measured (lengths ± 1 mm), and weighed (only if greater than 5 g).

Water temperature and salinity data, as well as all pertinent information regarding fishing effort, location, and habitat type, were recorded for all sampling events. To determine feeding habits, stomach contents were analyzed using the method described by Thompson (1959), which is a modification of the numerical method used by

Hynes (1950). Each stomach was examined and evaluated for fullness and allotted a certain number of fullness points (i.e., 20 points for a full stomach and 0 points for an empty stomach). After points were allocated for the degree of fullness, the stomach was opened and the points were distributed among individual food categories observed based on contribution by volume.

3.0 COMMUNITY CONSULTATION AND INUIT QAUJIMAJATUQANGIT

Comments forwarded by community members during meetings and interviews were integrated into the assessment of the potential fisheries impacts associated with the proposed Marine Docking Facility. However, these observations and concerns were not limited to the facility footprint. Community members recognized that the facility will function within a complex and changing aquatic and climatic environment that includes *hila* (the relationship between Inuit, climate, weather, plants, wildlife, water, spirits and the land), the Coppermine River Basin, and the Arctic Ocean. The following section presents community comments, set within this broader context. This information provides a foundation for the scientific observations presented in Sections 4.0 through 8.0.

3.1 Concerns

Prior to consultation, the study team identified the following potential concerns with the project:

- physical interference with seasonal fish migrations and movements through the near-shore zone;
- loss of near-shore habitat associated with footprints of the breakwater and causeway structures; and,
- habitat alteration within the perimeter of the breakwater and causeway.

Through meetings and interviews, a wider range of issues were documented:

- community members indicated that the current barge landing site is having a deleterious impact on fisheries because of the shallow water. For the last few years, the barge has become grounded in shallow waters thereby stirring up ocean sediment and directly disturbing local fish habitat. There were reports of fish 'flying in the air' as the tugboat/barge unit attempted to free itself. People are anxious for the new facility to be constructed to reduce future impacts to fish and fish habitat;
- interviews with elders and fishers concentrated on current and historical use of fish. They felt that the proposed site was not frequently used for fishing by community members. The water is said to be relatively shallow and poor for fishing;
- several individuals commented that they felt that there had not been adequate community consultation in selecting the new site for the facility. People were

happy to see the engineering design sketches and to provide comment even at this late stage; and,

- one individual said that the new facility was not a reasonable site because the beach is eroding and will cause sediment build up. He indicated that erosion rates have increased in the last 15 years and the beach has eroded by about 20 m.

Comments arising from the meeting with the Hamlet Council were as follows:

- no fisheries related concerns about the study were raised (i.e., were satisfied with the study objectives and timing); and,
- there is strong community will to have the new landing built quickly because of safety and fisheries concerns. The existing fuel lines which currently run right through town are very worrisome to the community.

In meetings with representatives from key agencies (including the KAA, KIA, and Hamlet Council), and interviews with elders and fishers, very few concerns were expressed about potential impacts of the proposed development on fish and fish habitat. In summary, community members do not appear to have any concerns with the new facility.

3.2 Inuit Quajimajatuqangit

Inuit Qaujimajatuqangit (traditional knowledge) of local fish and fish habitat has also been documented through the Naonayaotit Study led by the KAA, and the Coppermine River Heritage Study run through Parks Canada and the Government of Nunavut (Laird & Associates 2002). Results from the Naonayaotit Study have not yet been released. However, relevant concerns raised by elders and fishers who participated in the Coppermine River Heritage Study included:

- the water is changing the land: riverbanks are eroding and sediments are being redistributed;
- water levels are lowering;
- the river water is muddy in the spring but clear by the fall;
- in the spring, the sea ice is melting faster and there are more floods;
- all fish are important and serve as barometers for the health of the Coppermine River and Arctic Ocean;
- the health of fish, water, and Inuit are interconnected; and

- mineral operations in the Lac de Gras region may be having an impact on fish and water of the Coppermine River.

In the current study, interviews with elders and fishers concentrated on current and historical use of fish and the potential impacts to the local fish and fish habitat associated with the proposed facility. Key findings from these interviews are presented below; the complete transcript of the interviews is presented in Appendix A.

3.3 Fish and Fish Habitat

Fish have always been important to the people of Kugluktuk. Today, fish continue to contribute to subsistence living. Fishing as a way of life provides endless enjoyment, excitement, and quality time for families. Indeed, the relationship between Inuit and fish continues to define what it is to be an Inuk.

All fish (*Iqaluk*) undergo various life stages throughout their life cycle.

> *[Fish] start out from eggs, start out as huvuk. After they spawn they are called iqalugak. From there we just call them iqaluk.* – Bobby Algona

Many types of fish are important to the community members. These include Arctic char, whitefish, lake trout, Arctic grayling, cisco, burbot, cod, capelin, pike, flounders, suckers, and sculpins. People do not always distinguish between different kinds of fish of the same type. For example, all flounders are given the generic name of *natarnaq*. Fish that are, or have been, more important to Inuit for subsistence and survival are usually better differentiated. For example, the Arctic Char (*iqalukpik*) has many names depending on whether it is land locked (*ihuuq*), ocean bound (*haniak*), or inland bound (*mayuaktut*). Inuinnaqtun names for each of these are presented in Section 7.0, Table 7.1 and information on certain species is provided below.

Arctic char (iqalukpik)

> *Along the shore it is good for fishing, but not too close. Further out it is good to set nets for char. All over. All kinds of fish there. In that circle (#5, Figure A-2) there are all kinds of fish. This is a general fishing area.* – Alice Ayalik

> *I have one concern about how the meat changes on the char. Anywhere in the salt water, char are nice and red but once they hit the fresh water and they are not feeding as much as being in the salt water. The further they go in the fresh water, their meat changes colour.* – Aime Ahegona

Capelin (Angmagiak)

Lots of little angmagiak along the shore. Everywhere. When they are along the shore, everybody goes over there. – Alice Anablak

The wind doesn't blow them in. They are on their way to shore to spawn. – Peter Kamingoak

Even when it is not windy, I see them around the shore. The water is really dark. They swim along the shore, even when it is calm, in that area [barge site]. – Aime Ahegona

When there's a big storm capelin are washed onto shore by the waves. They are on their way in and they drift in with the big waves. They're really good frying. - Isaac Klengenberg

They [capelin] just do not come to shore, it is the waves that push them in. They sort of migrate there all along the shore. – Bobby Algona

There are two kinds of the capelins. Some are silver, skinny and brown. Little bit different from capelin. They are inagayak. Pacific sand lance maybe. – Isaac Klengenberg

Q. Are there any fish that spawn in that bay where the proposed barge site is?

The capelin, they just pass through. I do not know if they spawn there . You could see them all over the beach. See eggs all over the beach. Must grow in the sand, I do not know.– Isaac Klengenberg

Tom Cod (Huiriyuqtuq and ogak)

Did you tell them about the tom cod? They are different from the saffron cod. Bigger. Darker. Most tom cod are stronger, tougher, bigger. The biggest one is hiuriyuqtuq. The tom cod is really big, caught one over ten pounds. Under the cliff, looks black. Really big head. – Isaac Klengenberg

Tom cod used to be important for dogs. In some areas where there is hardly wildlife. Further north there is no caribou, no muskox. Hardly every wildlife except for fish and seal, cod, rabbit, ptarmigan. Now everything is handy in this area.—Aime Ahegona

In the old days, [tom cod was] a life saver. – Peter Kamingaok

Even when you have to dry [tom cod] you don't have to salt them. They are not like char. Used to catch them with a big gaffing hook. Sometimes you put two to three hooks on one same line and you have three on the line already. No bait. Just use white canvas, white material just to make it show. Pull the hook up and got three fish on one line.—Aime Ahegona

Flounders (Natarnaq)

There are different kinds of natarnaq around here. Little bit different from each other, but we all call them flat fish, natarnaq. Just like Inuinnaq [people], we all have different dialects. – Bobby Algona

You find natarnaq closer by the shore. We go fishing further out the bay and catch other species. When we put nets out, we catch lots. They are all over either closer by the shore or further out. They travel sometimes like char and go along the shore. Fishing through the ice, you can catch them too. I do quite a bit of ice fishing. – Alice Anablak

Fish Habitat: Important Fishing Grounds

Along the shore it is good for fishing, but not too close. Further out it is good to set nets for char. All over. All kinds of fish there. In that circle (#5 Figure A-2) there are all kinds of fish. This is a general fishing area. – Alice Ayalik

Fishing over in the river. They catch fish in the river. They fish there, but not all of the time. Maybe just once in a great while. Most of the fishing is done inside the river or further out. – Peter Kamingoak

3.3.1 Changes in Fish and Fish Habitat

Throughout their lives, Kugluktuk elders and fishers have noticed profound changes in the marine environment surrounding Kugluktuk. The Coppermine River could be said to be the lifeblood of the community. People depend on the river for subsistence fishing, recreation opportunities, and good drinking water. Since people can remember, the river has alternately formed and eroded sandbars and islands at the mouth of the river and created and abandoned particular river channels.

We cannot change the land, the water naturally changes the land. – Anonymous Elder , in Laird & Associates (2002).

While the morphology of the shoreline at and near the community of Kugluktuk has always been in transition, elders commented that there have been significant changes in the last decade. In particular, there have been changes in fish habitat, water levels, and water quality.

Changes in the Marine Environment: Fish Habitat

The ocean is changing. The shoreline, all mud and sand, is all washing out. Pretty soon the houses by the church are going to have to move before the sand all heads out. The ocean is eating it away. The bay where it is eroding is called Kaniakhuq. All around the shoreline here. That whole area there is changing. Even when I first came here, in 1941, you could go right up there in the boat, right along the shore and up the river. Go right up to just below the falls, below the rapids. Now they cannot do it. Little islands forming in the river now. Little island is forming.
- Peter Kamingoak

It is totally different now. So many sand bars. There is another one here to that has changed in the last few years that I have been coming through. There is one forming here too that I never noticed before. It is just right in front of that island.
– Bobby Algona

For myself, being away from Kugluktuk more often, the whole system is quite different. Even up at the falls, it is quite different now. – Bobby Algona

I used to see the old Coppermine boat, used to be an RCMP boat, that wooden boat. I used go up to the falls when I was a kid. Pick up some fish. The river used to be really deep, but now you can't go up in a big boat. – Isaac Klengenberg

Water is more murky now being so shallow compared to long ago.
- Bobby Algona

Getting more muddy every year. Water is getting low anywhere.
- Isaac Klengenberg

Changes in the Sea Level

Here, used to be deep many years ago during my travels to paddle boats across here, but now it is shallow [along the shoreline, extending out]. It is getting very shallow. – Alice Anablak

You can see that HBC dock, it used to be barely showing from the water level and now it is just barely sitting in the water. Even the sand bar changes from the

water level. Over here used to be a long island one time, all gone now. Been washed away by waves. – Aime Ahegona

Ice used to pile up on that sand bar but it takes it right off. Used to go to Three Mile Island and it was very deep but now it is too shallow. Used to very easy for outboard motors to get through there but now it is too shallow. – Alice Anablak

I hit rocks and had to fix my motor. – Peter Kamingaok

When I was a little kid, used to go out no problem. . . Noticed it becoming more shallow a couple of years ago. Water is getting low. I have noticed even back home at Pellat Lake, too. Waters are really fluctuating from year to year. Like four or five years ago, the water was so low, my dock was right out of the water. A couple of years ago the shoreline was all brand new. There was so much water. – Bobby Algona

Even at Klengenberg Bay [west of Kugluktuk], the beach is all different, really changed. We got there about 1960, 1963, there was a little bay, really deep, big drop. Right now it's flat, no more water. It is only about a couple of feet , maybe three feet, all the way down. Used to be really deep. Can't see the bottom right from the shore when we got there around 1960. Now, all the way out there you can see the bottom. There used to be a little point but it is all gone. - Isaac Klengenberg

Changes in Fish Health and Behaviour

We used to catch really red char but now we are getting two different kinds of fish. Red meat and pale meat. We figure that the pale meat is raised by the white people and put out to sea. When the fish comes here, they were really nice, deep red. Really nice fish. Tasty. Now the taste in the fish is all gone. Know why? The water change in the river too. The water was so clean in those days that you could see right to the bottom in a cup of tea. Right now, you cannot even see the bottom. – Peter Kamingaok

Fish are in poor condition. Some have scars. Some are really skinny. Because of the prospectors in the area, the water is changing. We notice that the fish are changing. They are in very poor condition. Before the prospectors came up, there was very healthy fish. Water is changing so that the fish change to poor condition. Agree with Peter that the colour and taste have really changed. Before it was good. Right now the taste is really different and the colour has changed. We started noticing changes about ten years ago. Not in the river area, the fish are

very healthy. Close to the river, the taste has changed a lot compared to other places compared to other areas like Richardson Bay. – Alice Anablak

Last couple years been really warm, not as cold winters and fall, tended to melt all at once, very quickly. Fish do not move very much in warm weather. Stay in the bottom. Where it is cool. In the fall, more noticeable. After freeze up, really cold day, you catch many fish. Next day, warms up, and you catch one or two fish. They stay put on mild days.— Bobby Algona

Fish not running around in warm water. Just like mild days when ice fishing. Just like no fish biting. When it gets really cold, the fish start biting. – Isaac Klengenberg

There are very mild days. Not a good day to go fishing. Early morning is the best time to go fishing compared to middle of the day, afternoon. – Bobby Algona

3.4 Benefits of Decommissioning the Current Site

Safety

It is an accident waiting to happen, trying to get to shore where the dock is now. . . My concern is that when the barge is in by the dock here there are so many kids around the area. – Bobby Algona

Kind of dangerous for so many small kids to be around that area. Out there would be a lot safer for some kids. It is not going to be used for a fishing area, in that part. It is okay by me. - Alice Anablak

Community members are very concerned about the safety of the current dock and fuel lines. Many people were openly frustrated that the current facility had not yet been replaced. They are anxious for the new facility to be completed.

Fisheries Impacts

Now the barge gets stuck in the water because of low water. Hard time turning. Fish flying all over the place in the back of the boat. It will be a lot easier for the boats when they have a better landing. . . Last 3-4 years, about 5-6 years ago the barge got stuck and lost a prop. – Isaac Klengenberg

An additional benefit of decommissioning the present facility is that the impacts to local fish and fish habitat will be reduced. The current site is too shallow and, as a result, the barge has been repeatedly grounded. Once it gets stuck in shallow waters, the ocean floor

below is significantly disturbed. There were reports of fish 'flying in the air' as the barge attempted to become free. The new facility would reduce future and continued impacts to fish and fish habitat that are imposed by the current site.

3.5 Effects on Traditional Resource Use

> *This place where they are going to put the dock, I am pretty sure that it is not going to affect anything. Nobody fishes down there.* — Peter Kamingaok

> *I don't have any concerns about where the dock is supposed to be. The way I feel about it, it is good for the community. The area has not been used as much as the other part. It can be very helpful for the community to have it at that spot. It is okay by them.* — Alice Anablak

> *I feel the same thing. The dock here is going to be on dry land, going to be hard for the barge to come in pretty soon. The sand is shifting more from up the river. Once in a while, nearly every year, they have a hard time bringing in the barge cause of the shallow water. They have to go out quite a bit.* – Aime Ahegona

> *Nobody fishes around that area anyway. They fish further down and further out. . . Nobody ever fished there [when I was a child]. It would be good for fishing in the rocks [used to build the dock]. The fish go into the rocks, lake trout, you know.* – Peter Kamingoak

> *In the 1970s when I first starting coming here the barge would come right in here, no problem. They started having trouble last few years. . . The barge is fighting that sand bar all the time. It is an accident waiting to happen there.* – Bobby Algona

As these quotes suggest, elders and fishers do not think that the proposed facility will have a significant impact on fish or fishing grounds. The area has not been used heavily for fishing other than for capelin. People suggested that the facility will not prohibit fish from moving or migrating along the near shore zone. Fish will likely swim around the facility. In addition, the substrate of the facility construction will provide a diversity of fish habitat. Indeed, some elders suggested that the new dock may provide a suitable location for casting.

4.0 PHYSICAL HABITAT DESCRIPTION

4.1 Bathymetry

Bathymetry in Coronation Gulf was determined by the Canadian Hydrographic Service (CHS) (Marine Chart #7777). Depth distribution in the vicinity of the proposed Marine Docking Facility based on the CHS data is presented in Figure 4.1. The area is characterized by a shallow shelf (less than 5 m depth) that extends out 400 to 500 m from the shoreline. Depths further offshore range between 20 and 50 m. During the present study, eight depth transects were conducted at the development site; these are presented in Appendix B, Figure B-1. The depth transects verify the presence of a 2 m deep channel (75 to 150 m offshore) surrounded by shallower water near the shoreline and on the sea side. This somewhat deeper trench is typically between 50 and 75 m wide. This channel, which runs between the proposed causeway and breakwater, can be observed on each of the eight transects.

4.2 Substrate/Nearshore Habitat

During the present study, a sample of the bottom material at the proposed development site was collected with a line activated Ekman grab sampler; it was subsequently sent to a lab for particle-size analysis. The majority (62.4%) of the sample was made up of sand and the remaining 37.6% was made up of silt and clay (Appendix B, Figure B-2).

During the study, an underwater camera was used to assess the nearshore habitat. Eight transects were conducted in the vicinity of the proposed docking facility during the fall session. All eight transects confirmed that the area within the 2.0 m contour interval consisted primarily of sand/silt material with the occasional boulder.

4.3 Wind Exposure/Air Temperatures/Tidal Influences

Daily wind speeds and air temperatures were obtained from Kugluktuk Airport Services for the period of the study; these data are presented in Appendix B, Table B-1. During the study, wind speeds ranged from 7.2 to 30.6 km/h and were predominately from the north and northwest. Air temperatures during the study ranged from a high of 28.0°C (recorded in July) to a low of 1.5°C (recorded in September). According to our observations, the tidal influence in the study area and Coronation Gulf was minimal (i.e., average daily change in water level of 0.2 m; maximum change of 0.6 m). This degree of tidal influence is consistent with the information provided in the tide chart for the area (CHS 2002).

4.4 River Inflow

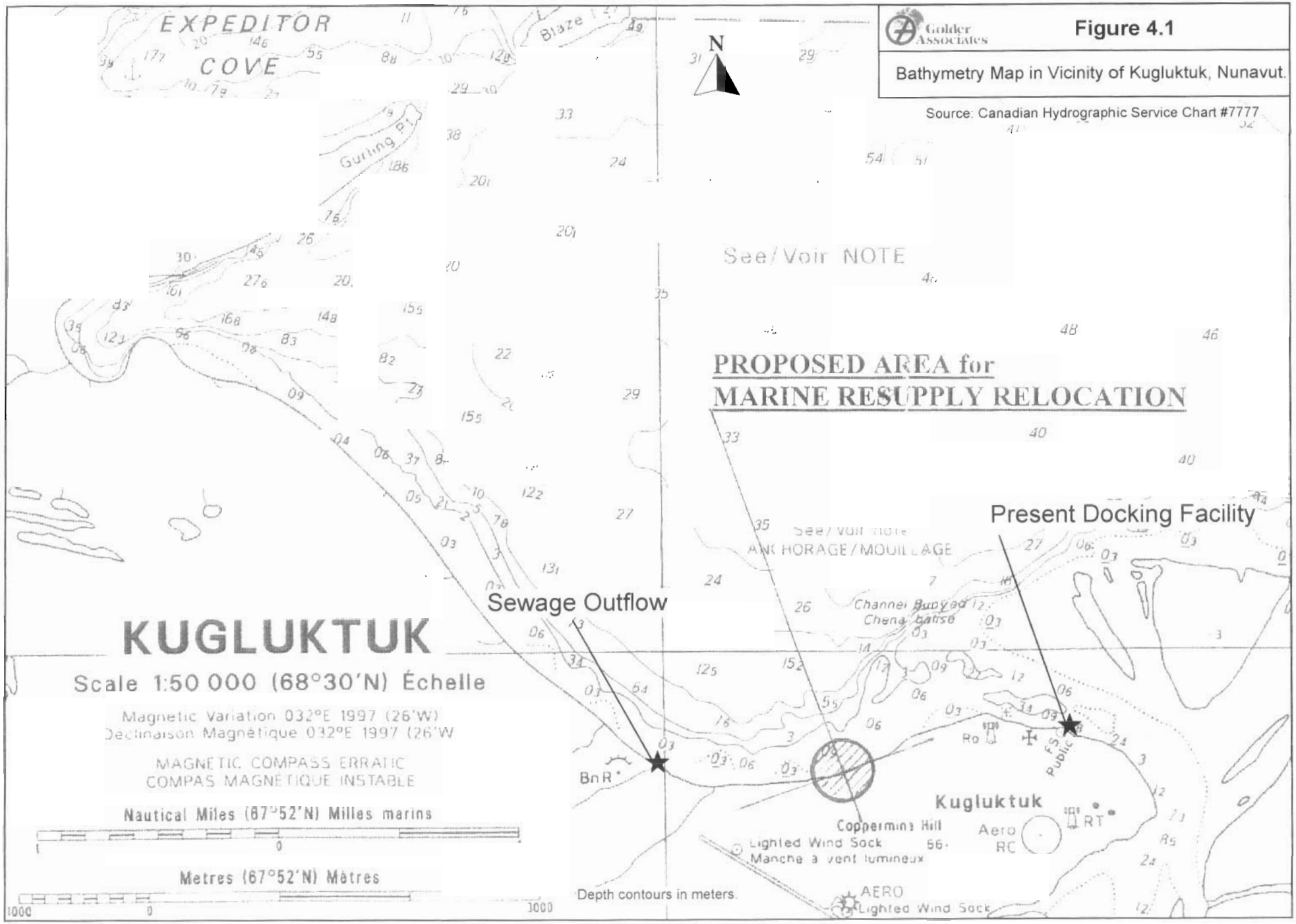
The majority of the outflow from the Coppermine River enters Coronation Gulf through the western-situated channel. An unknown portion of this outflow follows the coastline in a westerly direction, resulting in an east to west oriented river current in the vicinity of the proposed causeway and breakwater. In the present study, water velocities (measured at random at 0.6 of the total depth from the surface) of 0.2 m/s and 0.4 m/s were recorded (18 July). It is expected that the width and volume of the river inflow is extremely variable. This would depend on the seasonal flow regime of the Coppermine River, the temperature and salinity differential between the river water and the sea water, wind direction and speed and tidal influences

Golder Associates

Figure 4.1

Bathymetry Map in Vicinity of Kugluktuk, Nunavut.

Source: Canadian Hydrographic Service Chart #7777



5.0 WATER AND SEDIMENT

5.1 Water Temperature and Salinity

Water temperature and salinity were monitored daily at nearshore locations in the vicinity of the proposed Docking Facility during the summer (17 to 26 July 2002) and fall (28 August to 3 September 2002) sampling periods (Figure 5.1; Appendix C, Tables C-1 to C-2). During the summer field season, water temperature ranged between 9.3 and 19.2°C; during the fall session temperature varied between 4.9 and 10.1°C. Much of the variability in water temperature in the nearshore zone was due to the periodic incursion of colder sea water during the summer (i.e., 20 July), at depths of 5 m and deeper, a sea water temperature of approximately 2.0 °C was recorded (Appendix C, Table C-3).

Salinity, as measured at the various sampling stations (Stn. 1 to 6), at and near the proposed development, were highly variable on a daily and seasonal basis. This variability was correlated with changes in wind speed, and direction (causing differences in the degree of incursion of sea water) and the seasonally declining flows in the Coppermine River. The temperature and salinity regime in the study area is typical of an estuary (i.e., highly variable, brackish water conditions with increased water temperature relative to the marine environment). Fresh water from the Coppermine River, owing to its lower density relative to sea water, forms a surface layer which extends into Coronation Gulf. Data collected during the present study confirmed the presence of a fresh water layer along the coastline, including the vicinity of the proposed development, and near the islands situated north of the development (Appendix C, Table C-3). The maximum salinity recorded in the study was 25.5‰ (parts per thousand); this was documented on 26 July at Station 6 (approximately 5000 m offshore, north of the proposed development site). Water at this level of salinity is approaching undiluted sea water (i.e., 28 to 30‰). Salinity at the fyke net location ranged from 0.1‰ (surface on 20 July) to 23.5‰ (bottom on 29 August). Stratification with respect to salinity appeared to break down (i.e., near complete mixing) during windy periods and weaken on a seasonal basis (i.e., more mixing during the fall session). Measurements taken during the two study sessions indicated that the Coppermine River at the present docking facility was not being influenced by sea water (i.e., values of 0.0‰). However, community residents indicate that intrusion of sea water occurs during periods with sustained north winds. This results in salt water occasionally reaching the water supply pumphouse located upstream from the mouth.

5.2 Transparency and Turbidity

Water transparency at the proposed Marine Docking Facility, as measured by Secchi disk visibility, ranged from 1 m at Station 1 on 26 July to 5.5 m at Station 3 on 2 September (Appendix C, Table C-3). In general, water transparency was greater in the fall than in summer. Turbidity levels at the fyke net location ranged between 0.48 NTU and 4.94 NTU on 29 August and 17 July, respectively (Appendix C, Table C-2).

5.3 Water Quality

Water quality at the proposed Marine Docking Facility Study Area was based on a single composite sample collected in July 2002 (Appendix C, Table C-4). All constituent values were well within acceptable limits according to the Canadian Water Quality Guidelines for the Protection of Aquatic Life (CCME 2001); many constituents were below laboratory analytical detection limits.

5.4 Sediment Analyses

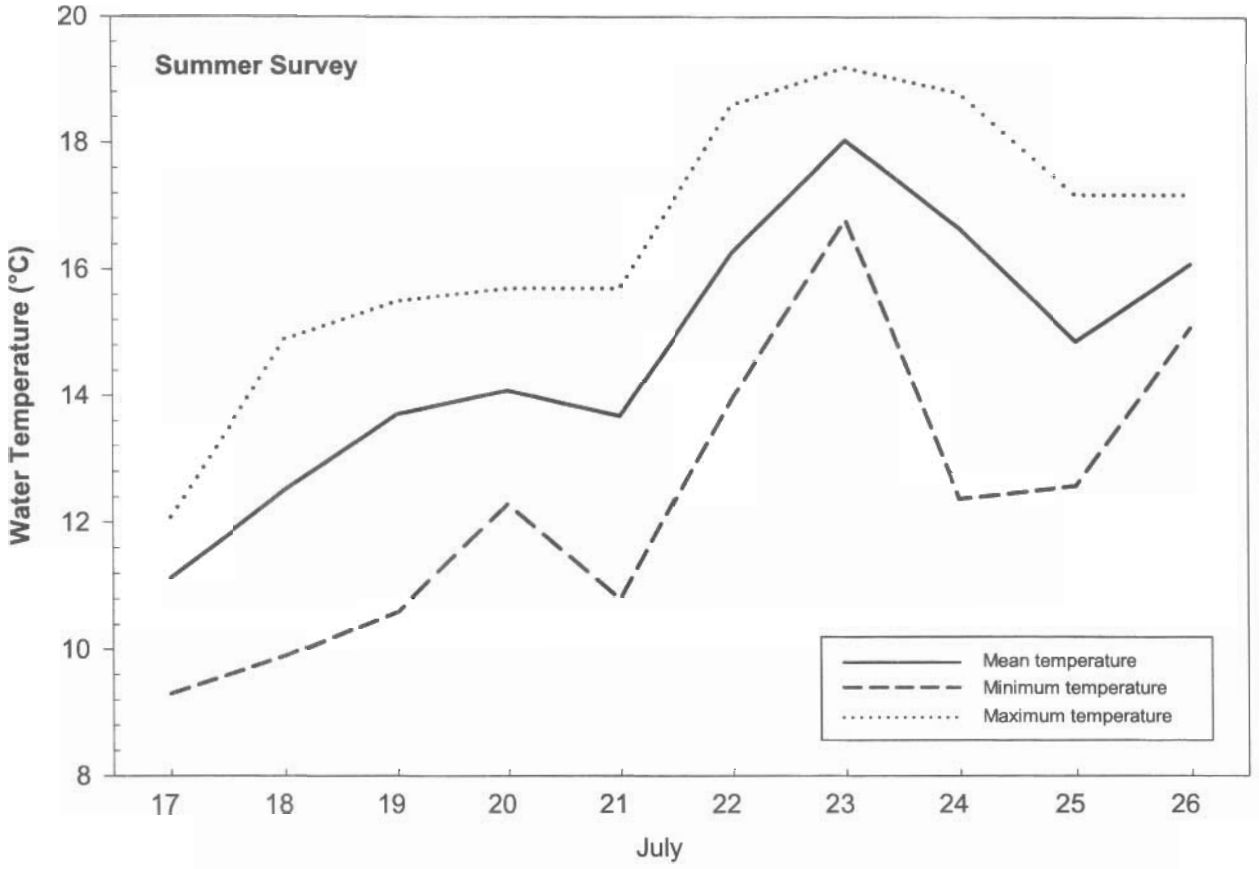
The chemistry of the nearshore bottom sediment in the vicinity of the proposed Marine Docking Facility Study Area was based on a single sample collected in July 2002 (Appendix C, Table C-4). All constituent values were well within acceptable limits, according to the Canadian Sediment Quality for the Protection of Aquatic Life (CCME 2001); many were below laboratory analytical detection limits.

5.5 Coliform Bacteria

Total coliform bacteria are a collection of microorganisms that are commonly found in the intestines of man, warm- and cold-blooded animals, soils, and decaying vegetation. A specific subgroup of this collection is fecal coliform bacteria. The presence of fecal coliform bacteria in aquatic environments indicates that the water has been contaminated with fecal material of man or other warm-blooded animals. The status of coliform bacteria at the site was assessed because of the sewage outfall located approximately 1.2 km west of the proposed development. This sewage source has the potential to be transported by wind generated currents into the protected breakwater area.

The fecal coliform count in the water sample was <1 CFU/100 mL, indicating, for practical purposes, no fecal coliform in the water column at the time of sampling. The fecal coliform count in the sample taken from the bottom sediments was zero MPNU/gm (maximum probable number of units per gram), indicating no buildup of bacteria over time at this specific site.

Based on the results obtained in the present study, it is concluded that sewage from the Hamlet sewage lagoon will not likely access or accumulate at the site of the proposed docking facility. This conclusion is based on the collection of only one water and one sediment sample. Although daily and seasonal wind and wave conditions vary considerably, and have the potential to move large amounts of water over some distances, the likelihood that waters from the sewage lagoon reach the proposed docking facility is low. This maybe particularly true due to the distance involved and the prevailing westerly inflows from the Coppermine River.



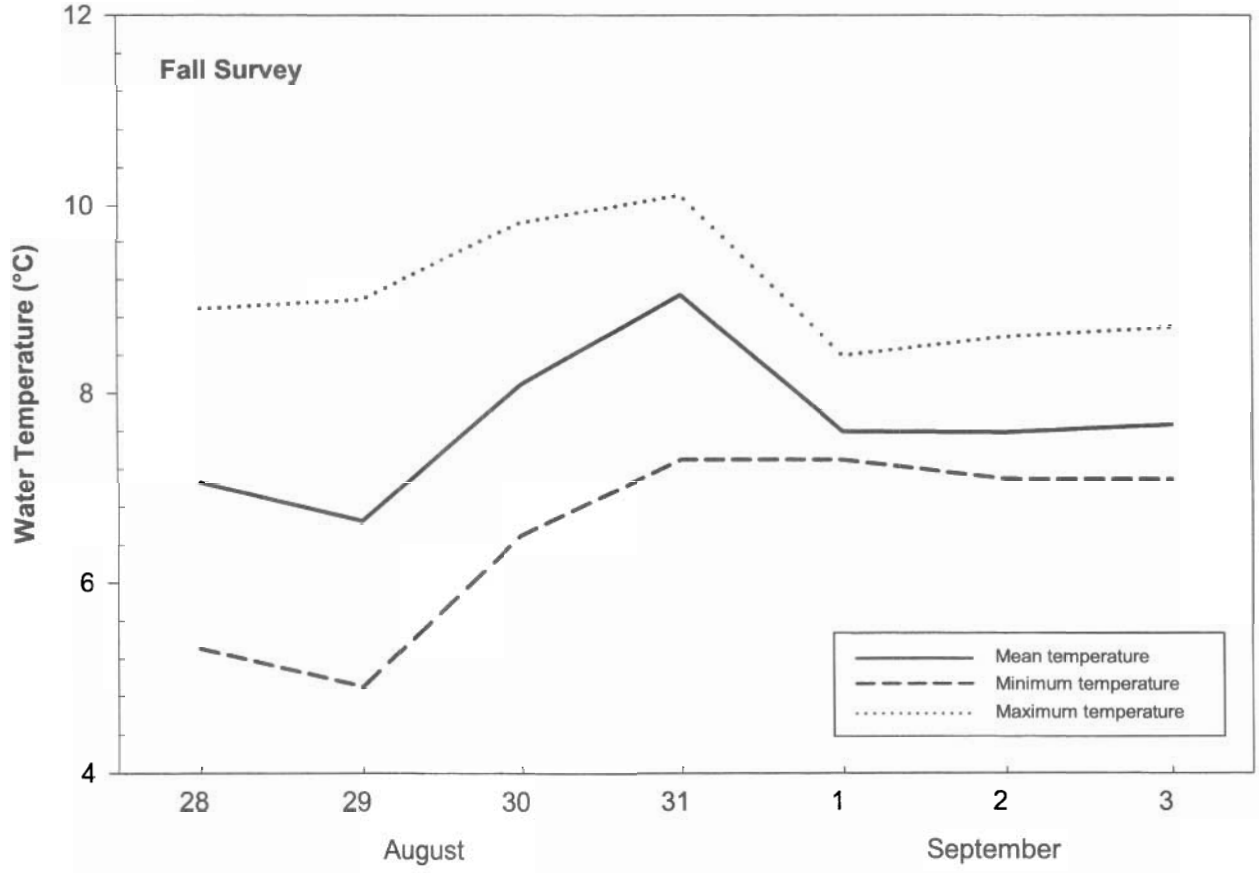


Figure 5.1 Water temperature recorded in the vicinity of the proposed Marine Docking Facility July - September, 2002 (temperature data collected using continuous recorder).

6.0 PLANKTON AND BENTHOS

Baseline information was obtained describing lower trophic levels including periphyton (chlorophyll *a*), phytoplankton, zooplankton, and benthic invertebrates. Samples were collected in the vicinity of the proposed Marine Docking Facility, during the July field session. The results of the data collections are provided in the following sections.

6.1 Periphyton (Chlorophyll *a*)

Chlorophyll *a* is the primary photosynthetic pigment found in all plants, including algae (Wetzel 1983). It is commonly used to provide biomass estimates of live algae.

On 3 September, two replicate chlorophyll *a* samples were collected at the study site; concentrations were 5.8 and 5.9 mg/m^3. These values are relatively high when compared to samples taken from freshwater lakes in the eastern Arctic near Rankin Inlet, Nunavut. Chlorophyll *a* concentrations in these waterbodies, ranged between 0.5 and 2.0 mg/m^3.

6.2 Phytoplankton

Phytoplankton are microscopic free-floating algae (Smith 1950). In total, 41 species of algae were identified from the single sample collected at the proposed Marine Docking Facility (Appendix D, Table D-1). Bacillariophyta (diatoms) were the most numerically abundant (116.7 cells/mL) (Figure 6.1) and accounted for the greatest amount of total biovolume (132.7 $\mu m^3 \times 10^3$/mL). *Chaetoceros* sp. (102.2 cells/mL) was the most prevalent species of Bacillariophyta. With respect to abundance and biovolume, Chrysophyta (golden-brown algae), Chlorophyta (green algae), Cryptophyta (cryptomonads), and Pyrrophyta (dinoflagellates) had much lower representation. Of these four major taxonomic groups, Chrysophyta was the most abundant; *Kephyrion* sp. (10.95 cells/mL) was the dominant chrysophyte species in the sample.

6.3 Zooplankton

The majority of marine zooplankton are microscopic in size; however, some species can reach sizes in excess of 2 to 4 cm in length (e.g., krill). Herbivorous copepods (crustaceans) are usually the most abundant arctic zooplankters. Copepods are fed upon by larger carnivorous zooplankters, which in turn are fed upon by whales, fish, and seabirds (Grainger 1965; Buchanan and Sekerak 1982; Longhurst *et al.* 1984; Bradstreet *et al.* 1987). The species composition of the zooplankton is typically relatively homogeneous throughout the Canadian Arctic (Grainger 1965).

The zooplankton community in the vicinity of the proposed Marine Docking Facility was comprised of a wide range of organisms (Figure 6.1; Appendix D, Table D-2).

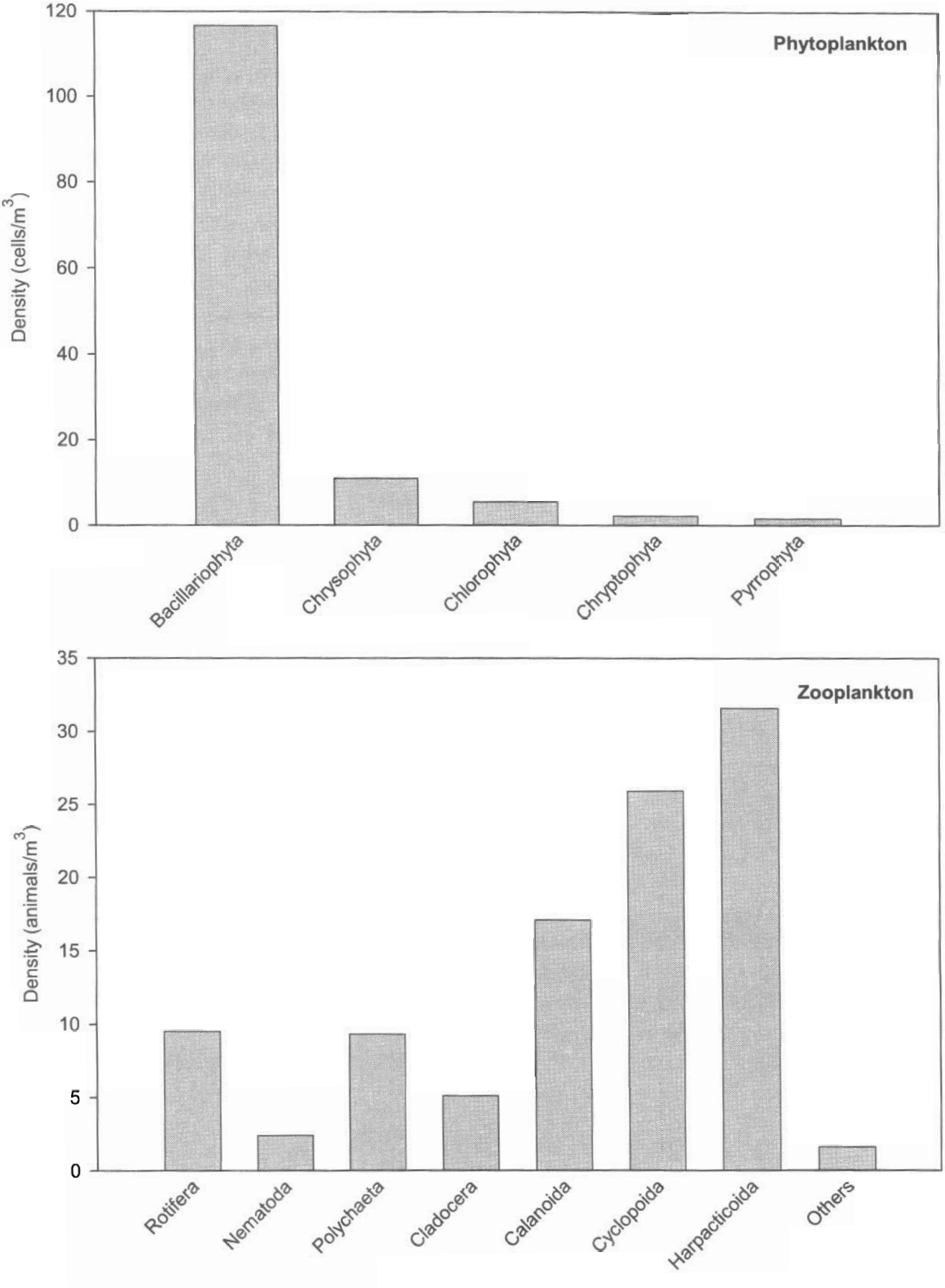


Figure 6.1 Densities of the most abundant phytoplankton (n=1) and zooplankton (n=2; means presented) taxa collected at the proposed Marine Docking Facility, Kugluktuk, July 2002.

In total, 15 species of zooplankton were identified in the two Samples collected on 17 July. Total numbers were 37.0 and 156.8 animals/m^3 in samples L-1 and L-2, respectively (Appendix D, Table D-2). Harpacticoida copepods contributed the most towards total numbers (mean of 31.6 animals/m^3). Cyclopoida and Calanoida copepods were second and third with respect to density (means of 25.9 and to 17.1 animals/m^3, respectively). These species were followed in decreasing order of abundance by Rotifera (wheel animals), Polychaeta (bristleworms), Cladocera (water fleas), Nematoda (roundworms), Larvacea (tunicates), Chaetognatha (arrow worms), Decapoda (crayfishes and shrimp), Mollusca (snails and clams), and Cirripedia (barnacles). Several of these major taxonomic groups are primarily benthic in nature (e.g., Mollusca, Cirripedia, Nematoda). The presence of these specimens in the samples suggests the zooplankton may not have come in close proximity of the bottom substrates. Although Harpacticoida copepods are predominately benthic, they are also found in overlaying waters (Pennak 1989).

6.4 Benthic Macroinvertebrates

A benthic macroinvertebrate sampling program was conducted at the proposed Marine Docking Facility during the summer session. Five replicate Ekman grab samples were collected at the site. Three of the five replicate samples were processed in the laboratory, the remaining two replicates were archived. Data are presented as means (n=3, ±1SE). The results of the data collections are summarized in the following sections and the raw data are provided in Appendix D, Table D-3.

Total mean density was 30 116 ± 4552 animals/m^2. Nine different major taxonomic groups were identified (Figure 6.2). Mean densities among the nine major taxonomic groups ranged from ± 14 to 21 638 ± 4135 animals/m^2.

Annelida (aquatic earthworms and bristle worms) was the most prevalent major taxon at the site, accounting for (21 638 animals/m^2). Harpacticoida copepods and Nematoda (roundworms) were the second and third most abundant taxa (4159 ± 1357 and 3884 ± 945 animals/m^2, respectively). These species were followed in decreasing order of abundance by Platyhelminthes (flatworms), Insecta (insects), Arachnida (spiders and mites), Tardigrada (water bears), Ostracoda (seed shrimp), and Isopoda (aquatic sow bugs).

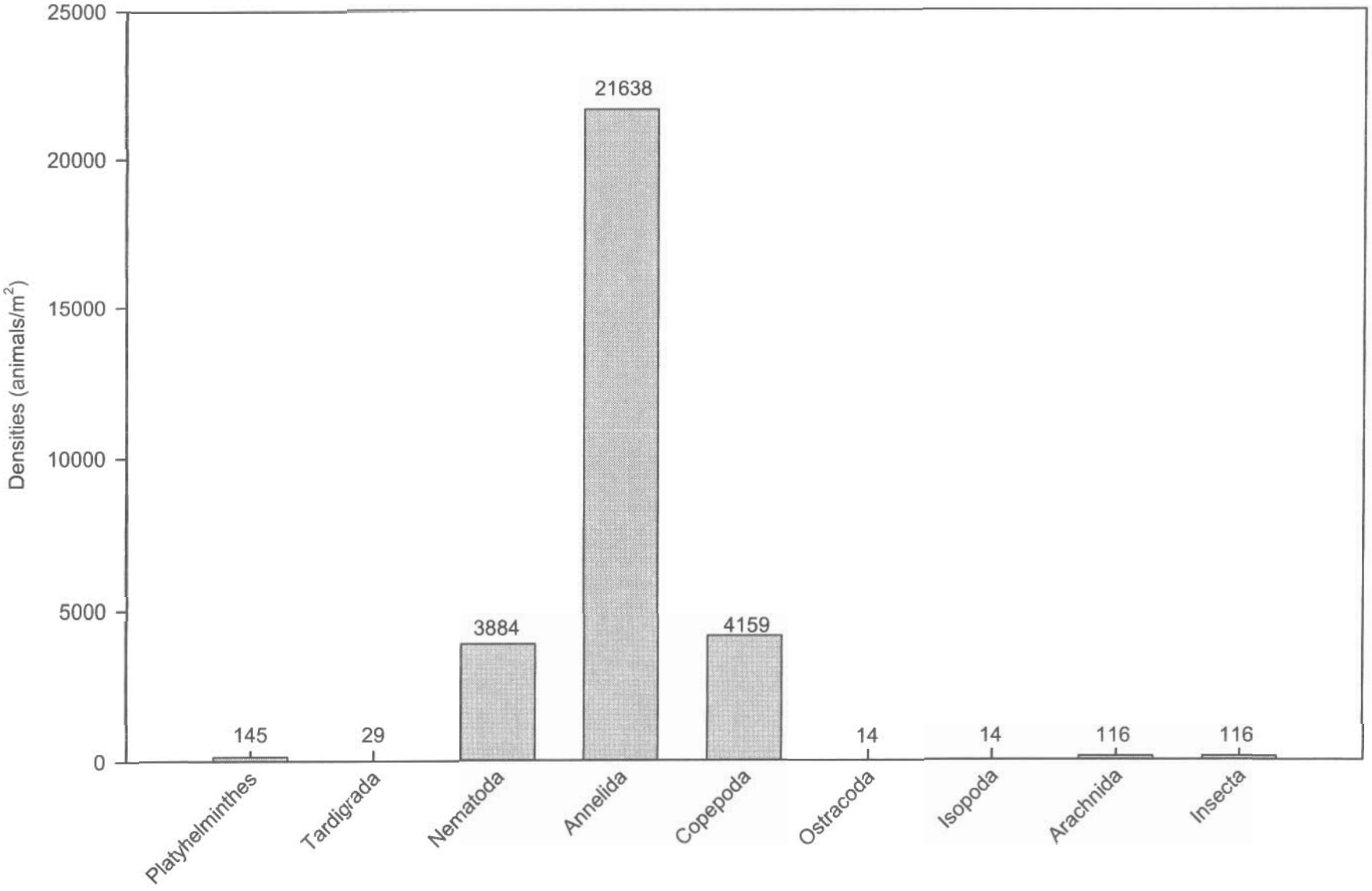


Figure 6.2 Densities of the most abundant benthic macroinvertebrate taxa collected at the proposed Marine Docking Facility, Kugluktuk, July 2002.

7.0 FISH RESOURCES

7.1 Species Composition and Relative Abundance

Eighteen fish species, representing seven families, were captured in the vicinity of the proposed Marine Docking Facility area in Coronation Gulf in 2002 (Table 7.1). The species assemblage was comprised of five freshwater species (Arctic grayling, northern pike, burbot, round whitefish, longnose sucker), one anadromous species (rainbow smelt), five amphidromous species (Arctic char, Arctic cisco, broad whitefish, lake whitefish, least cisco) and seven marine species (saffron cod, Greenland cod, starry flounder, Arctic flounder, longhead dab, capelin) (Table 7.2). The combined catch from all sampling methods was 4221 fish. Lake whitefish and saffron cod were the predominant species encountered; they contributed almost half (44.8%) to the total catch. Five species of salmonids accounted for 25.1% of the total catch. These included broad whitefish (17.1%), Arctic cisco (5.2%), Arctic char (2.6%), least cisco (0.1%), and Arctic grayling (0.1%). Other frequently caught species included starry flounder (10.1%), longnose sucker (8.2%), Arctic flounder (5.6%), round whitefish (3.7%), rainbow smelt (1.9%), pacific herring (0.3%), and longhead dab (0.1%). The four least frequently recorded species were burbot, northern pike, Greenland cod, and capelin; (i.e., in combination contributed only 0.1% to the total catch).

7.2 Fyke Net Catches

Most of the fish (96%) were captured in the fyke net (codend trapnet), which was installed perpendicular to shore in shallow water (<1.5 m) at the site of the proposed Marine Docking Facility. Because the fyke net was equipped with two codends separated by a single 45 m lead, the set-up permitted the separation of coastal migrations into westbound and eastbound components. Lake whitefish, saffron cod, and broad whitefish dominated the catches of the westbound net, whereas saffron cod and starry flounder dominated the eastbound catches (Table 7.2). The salmonid species accounted for 65% of the total westbound catch, and only 37% of the eastbound catch. The general pattern of movement towards the Coppermine River was most notable in Arctic char; they contributed 8% to the eastbound catch, but only 0.8% to the westbound catch.

Table 7.1 Summary of fish captured in the vicinity of the proposed Marine Docking Facility near Kugluktuk during July to September 2002.

Scientific Name	Common Name	Old Inuinnaqtun Name	Local Name	Code
Family Clupeidae				
Clupea harengus pallasi Valenciennes	Pacific herring			PCHR
Family Salmonidae				
Coregonus autumnalis (Pallas)	Arctic cisco	Kapihilik		ARCS
Coregonus sardinella Valenciennes	Least cisco			LSCS
Coregonus clupeaformis (Mitchill)	Lake whitefish	Kapihilik		LKWH
Coregonus nasus (Pallas)	Broad whitefish	Anakiak (Anahit)		BRWH
Prosopium cylindraceum (Pallas)	Round whitefish			RNWH
Salvelinus alpinus (Linnaeus)	Arctic char	Iqalukpik		ARCH
Thymallus arcticus (Pallas)	Arctic grayling	Hulukpauyuq		ARGR
Family Escoidae				
Esox lucius (Linnaeus)	Northern pike	Hiulik		NRPK
Family Osmeridae				
Osmerus mordax (Mitchill)	Rainbow smelt			RNSM
Mallotus villosus (Muller)	Capelin	Angmagiak		CPLN
Family Catostomidae				
Catostomus catostomus (Forster)	Longnose sucker	Milogiak		LNSC
Family Gadidae				
Lota lota (Linnaeus)	Burbot	Tiktalik		BURB
Eleginus gracilis (Tilesius)	Saffron cod	Huiryuktuk	Yellow cod	SFCD
Gadus ogac (Richardson)	Greenland cod	Ogak	Brown cod/ Tomcod	GRCD
Family Pleuronectidae				
Liopsetta glacialis (Pallas)	Arctic flounder	Natarnaq	Flatfish	ARFL
Platichthys stellatus (Pallas)	Starry flounder	Natarnaq	Flatfish	STFL
Limanda proboscidea (Gilbert)	Longhead dab	Natarnaq	Flatfish	LHDB

Table 7.2 Summary of fish captured in the vicinity of the proposed Marine Docking Facility near Kugluktuk during July to September 2002.

Species	Fyke Nets				Gill Nets		Seines		Total	
	Westbound[1]		Eastbound[1]							
	Number	%	Number	%	Number	%	Number	%	Number	%
Freshwater										
Arctic grayling	5	0.23	1	0.05					**6**	**0.1**
Burbot	2	0.09							**2**	**0.1**
Longnose sucker	98	4.55	246	12.97	1	0.79			**345**	**8.2**
Northern pike	1	0.05							**1**	**<0.1**
Round whitefish	51	2.37	101	5.33	3	2.36	3	6.82	**158**	**3.7**
Amphidromous										
Arctic char	25	1.16	70	3.69	15	11.02	1	2.27	**111**	**2.6**
Arctic cisco	18	0.84	150	7.91	27	21.26	26	59.09	**221**	**5.2**
Broad whitefish	449	20.85	255	13.45	13	10.24	5	11.36	**722**	**17.1**
Lake whitefish	852	39.57	121	6.38	12	9.45	4	9.09	**989**	**23.4**
Least cisco	1		3	0.16					**4**	**0.1**
Anadromous										
Rainbow smelt	44	2.04	35	1.85			1	2.27	**80**	**1.9**
Marine										
Arctic flounder	71	3.30	164	8.65	2	1.57			**237**	**5.6**
Capelin	1	0.05							**1**	**<0.1**
Greenland cod	1	0.05							**1**	**<0.1**
Longhead dab	1	0.05	2	0.11					**3**	**0.1**
Pacific herring			1	0.05	12	9.45			**13**	**0.3**
Saffron cod	489	22.71	390	20.57	22	17.32			**901**	**21.4**
Starry flounder	44	2.04	357	18.83	21	16.54	4	9.09	**426**	**10.1**
Total	**2153**		**1896**		**128**		**44**		**4221**	**100**

[1]Westbound fish moving away from Coppermine River; Eastbound fish moving towards Coppermine River

The total fyke netting effort during the study was 220 hours; detailed summaries of fish catches, as well as water temperature and salinity conditions recorded during each sampling event, are presented in the Tables 7.3 and 7.4. The mean overall catch-per-unit-effort (CPUE) in fyke nets was higher during the summer (18 to 25 July; CPUE of 27 fish/h) than during the fall (29 August to 3 September; CPUE of 10 fish/h) (Table 7.5). The mean catch rates of the coregonid (whitefish) species were lower in the fall than in the summer in both the westbound and eastbound components of the fyke net catch; this decrease was more pronounced in the westbound migrants (Figure 7.1). The most noticable decrease in catch rates was recorded for westbound saffron cod (3.5 fish/h in summer and 0.9 fish/h in the fall). In contrast, eastbound Arctic cisco catches increased from 0.3 fish/h in the summer to 0.9 fish/h in the fall. Starry flounder catch rates in the summer (2.7 fish/h) were three times higher than in the fall (0.9 fish/h).

It should be pointed out that the migration was already in progress when the fyke net was installed on 18 July and fish were still migrating on 2 September (although the capture rates had declined). Also, the fyke net was not operational during the period of 27 July to 29 August. Because of these non-sampled intervals, caution is advised when interpreting the direction and magnitude of movements.

Table 7.3 Number of westbound fish[1] captured in the fyke net located at the proposed Marine Docking Facility near Kugluktuk, July to September 2002.

Set #	Net Set Date	Net Set Time	Net Lifted Date	Net Lifted Time	Set Duration (h)	Water Temp (°C)	Water Salinity (ppt)	Number Captured																	
								ARCS	LSCS	LKWH	BRWH	RNWH	ARCH	ARGR	NRPK	LNSC	BURB	GLCD	RNSM	CPLN	SFCD	ARFL	LHDB	STFL	Total
1	18-Jul-02	13:30	18-Jul-02	21:00	7.5	15.9	1.8	2		4	13	11	1						3		4	3		5	**46**
2	18-Jul-02	21:00	19-Jul-02	13:20	16.3	16.0	3.0					1				2			1		114	4		3	**125**
3	19-Jul-02	13:45	19-Jul-02	19:10	5.4	16.0	3.0	4			7		1		1				1		21	5		4	**44**
4	20-Jul-02	21:18	21-Jul-02	11:15	14.0	17.2	1.0			2	7	2	2			6			1		87	1		2	**110**
5	21-Jul-02	11:30	21-Jul-02	19:30	8.0	17.2	1.0					3							1	1	11	3		1	**20**
6	21-Jul-02	19:40	22-Jul-02	12:41	17.0	18.5	1.5			20	32	9	3			8			1		57	7		1	**138**
7	22-Jul-02	13:52	22-Jul-02	20:00	6.1	18.5	1.5	1		3	10	4							1		6	7		1	**33**
8	24-Jul-02	10:20	24-Jul-02	16:13	5.9	17.6	0.2	1		754	22	6	1	3		3			1		1	2		1	**795**
9	24-Jul-02	22:17	25-Jul-02	11:34	13.3	17.6	0.2			2	7	1				46					66	14		5	**141**
10	25-Jul-02	12:04	25-Jul-02	19:40	7.6	17.2	4.0	1		2	157	1	3	1		1			2		5	7		3	**183**
11	25-Jul-02	20:00	26-Jul-02	12:00	16.0	17.2	4.0				2	2	2			30	1		1		13			2	**53**
12	29-Aug-02	14:30	29-Aug-02	19:00	4.5	8.0	13.4	1			4	1	3	1					1		9	1		1	**22**
13	29-Aug-02	19:50	30-Aug-02	10:10	14.3	11.1	0.2	2		8	93	4	4			2			6		14	4		3	**140**
14	30-Aug-02	12:10	30-Aug-02	20:00	7.8	11.0	0.7	1		1	24	1										3			**30**
15	30-Aug-02	20:20	31-Aug-02	11:30	15.2	9.3	4.4		1	9	5	1							10		19	2		2	**49**
16	31-Aug-02	11:40	1-Sep-02	10:25	22.8	9.5	2.9	1		24	42	2	3						13		12	2		4	**103**
17	1-Sep-02	11:16	1-Sep-02	19:10	7.9	9.3	2.6	2		18	14								1					1	**36**
18	1-Sep-02	19:20	2-Sep-02	9:50	14.5	7.7	5.0	1		4	10	1	1				1	1			37	2		2	**60**
19	2-Sep-02	10:35	3-Sep-02	9:50	23.3	8.6	3.7	1		1		1	1								13	4	1	3	**25**
Total								**18**	**1**	**852**	**449**	**51**	**25**	**5**	**1**	**98**	**2**	**1**	**44**	**1**	**489**	**71**	**1**	**44**	**2153**

[1]Moving away from the Coppermine River

Table 7.4 Number of eastbound[1] fish captured in the fyke net located at the proposed Marine Docking Facility near Kugluktuk, July to September 2002.

Set	Net Set		Net Lifted		Set Duration	Water Temp	Water Salinity	Number Captured																
#	Date	Time	Date	Time	(h)	(°C)	(ppt)	ARCS	LSCS	LKWH	BRWH	RNWH	ARCH	ARGR	NRPK	LNSC	BURB	PCHR	RNSM	CPLN	SFCD	ARFL	LHDB	STFL	Total
1	18-Jul-02	13:30	18-Jul-02	19:30	6.0	15.9	1.8	10		5	3	9	1						2		1	15		46	**92**
2	18-Jul-02	21:00	19-Jul-02	10:15	13.3	16.0	3.0			6	2		5			7					29	23		108	**180**
3	19-Jul-02	10:40	19-Jul-02	18:40	8.0	16.0	3.0			3		4	5			5					8	2		12	**39**
4	20-Jul-02	21:18	21-Jul-02	9:30	12.2	17.2	1.0	8		8	17	23	4						3		10	15		16	**104**
5	21-Jul-02	11:30	21-Jul-02	18:43	7.2	17.2	1.0	5		10	20	19	2			1		1	1		2	2		3	**66**
6	21-Jul-02	19:40	22-Jul-02	9:50	14.2	18.5	1.5	20		14	63	20	3	1		3			5		7	23		23	**182**
7	22-Jul-02	13:52	22-Jul-02	17:51	4.0	18.5	1.5	1	3	2	17	12	1						1		6	3		13	**59**
8	24-Jul-02	10:20	24-Jul-02	15:39	5.3	17.6	0.2	5		1	3	2	2			178						2		3	**196**
9	24-Jul-02	22:17	25-Jul-02	10:04	11.8	17.6	0.2			5	20		3			11			4		108	24		24	**199**
10	25-Jul-02	12:04	25-Jul-02	18:40	6.6	17.2	4.0	3		4	15		4			23			1		3	13		1	**67**
11	25-Jul-02	20:00	26-Jul-02	10:19	14.3	17.2	4.0	2		8	10	6	10			16			5		9	3		21	**90**
12	29-Aug-02	14:30	29-Aug-02	19:20	4.8	8.0	13.4	1		2	4		3								9			5	**24**
13	29-Aug-02	19:50	30-Aug-02	11:20	15.5	11.1	0.2	1		4	1		5			2			4		65	2		18	**102**
14	30-Aug-02	12:10	30-Aug-02	20:00	7.8	11.0	0.7	27		14	11	1	3								2	4		3	**65**
15	30-Aug-02	20:20	31-Aug-02	10:25	14.1	9.3	4.4	4		4	1		7						5		35	3		34	**93**
16	31-Aug-02	11:40	1-Sep-02	9:45	22.1	9.5	2.9			7	1		4						1		36			13	**62**
17	1-Sep-02	11:16	1-Sep-02	18:40	7.4	9.3	2.6	27		19	17	2	5									2			**72**
18	1-Sep-02	19:20	2-Sep-02	10:30	15.2	7.7	5.0	36		3	45	3							2		21	16		5	**131**
19	2-Sep-02	10:35	3-Sep-02	10:15	23.7	8.6	3.7			2	5		3						1		39	12	2	9	**73**
Total								**150**	**3**	**121**	**255**	**101**	**70**	**1**	**0**	**246**	**0**	**1**	**35**	**0**	**390**	**164**	**2**	**357**	**1896**

[1]Moving towards the Coppermine River

Table 7.5 Comparison of catch-per-unit-effort1 in fyke nets between the proposed Marine Docking Facility at Kugluktuk (2002), and a site located east of Kugluktuk (RL&L 1993).

Species	Kugluktuk, 2002			RL&L, 1993		
	18-25 Jul Effort = 110 h	29 Jul-3 Sep Effort = 110 h	Combined Effort = 220 h	17-26 July Effort = 76 h	23 Aug-5 Sep Effort = 290 h	Combined Effort = 366 h
Arctic cisco	0.38	0.95	0.67	6.04	2.26	3.05
Least cisco	0.03	0.01	0.11	0.12	0.03	0.05
Lake whitefish	7.75	1.09	4.30	2.08	0.88	1.13
Broad whitefish	3.88	2.52	3.20	1.81	1.25	1.36
Round whitefish	1.23	0.15	0.69	-	-	-
Arctic char	0.48	0.38	0.43	0.28	0.97	0.83
Arctic grayling	0.05	0.01	0.03	0.01	0.02	0.02
Northern pike	0.01	-	0.005	-	-	-
Longnose sucker	3.09	0.04	1.56	0.01	-	<0.01
Burbot	0.01	0.01	0.01	-	-	-
Pacific herring	0.01	-	0.005	0.05	0.02	0.03
Rainbow smelt	0.32	0.40	0.36	0.33	1.07	0.92
Capelin	0.01	-	0.005	3.52	-	0.73
Saffron cod	5.16	2.83	4.00	8.88	9.88	9.67
Greenland cod	-	0.01	0.005	-	-	-
Arctic flounder	1.62	0.52	1.07	1.38	0.28	0.51
Starry flounder	2.71	0.94	1.82	0.20	0.13	0.14
Longhead dab	-	0.03	0.01	-	-	-
Total	**26.93**	**9.88**	**18.40**	**25.05**	**17.06**	**18.72**

[1]Catch-per-unit-effort presented as number of fish caught per hour.

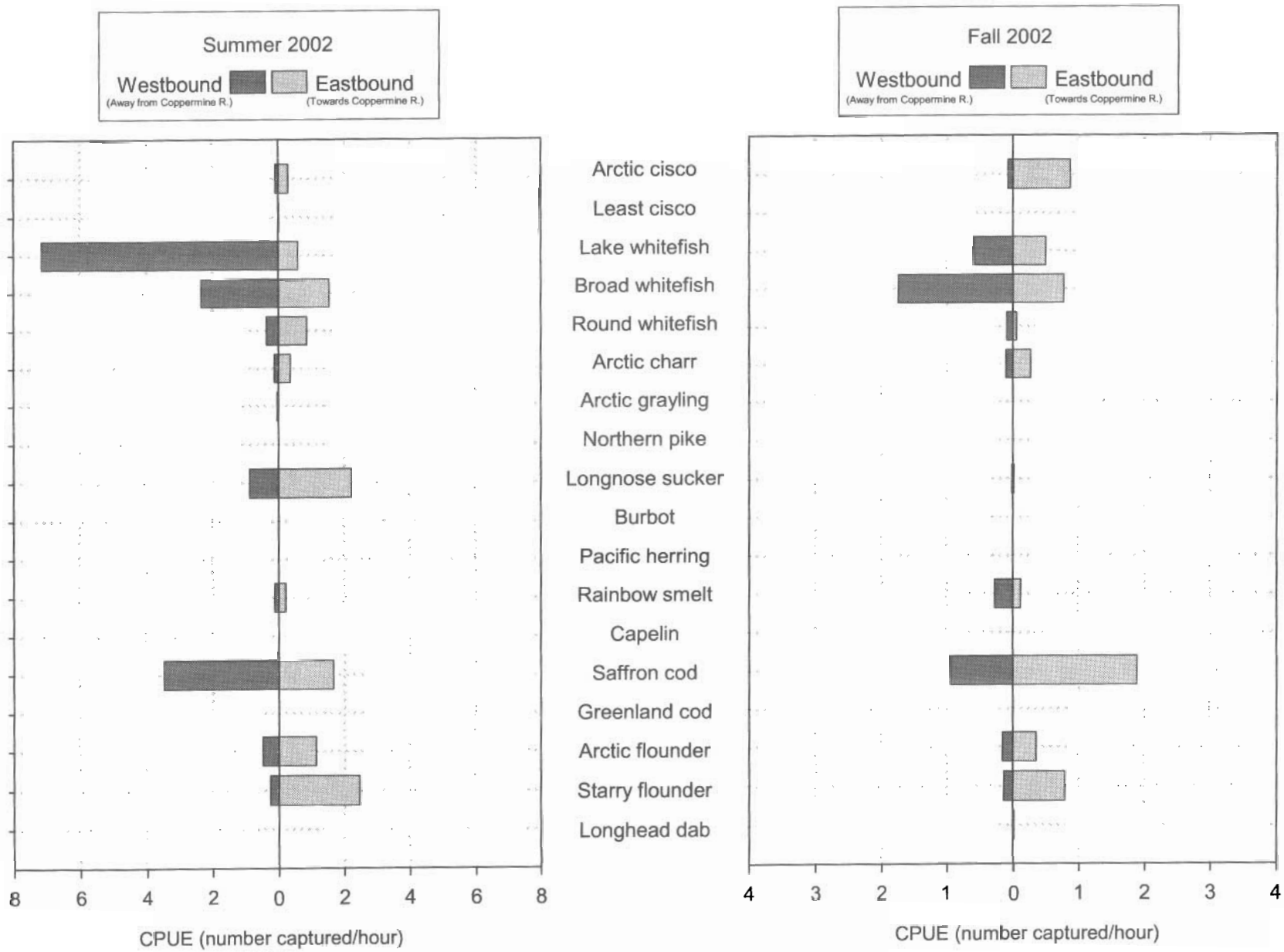


Figure 7.1 Catch rates (CPUE) for westbound and eastbound fish captured in fyke nets at the proposed Marine Docking Facility during summer (18-25 July) and fall (28 August - 3 September) 2002. (Note: differences in CPUE scales between summer and fall surveys)

The CPUE data from the present study was compared to data collected by RL&L (1993) in Maligot Bay (19 km east). The earlier study used similar gear and was conducted during similar time periods (Table 7.5). The two studies determined considerable differences in catch rates. Arctic cisco and saffron cod were much less abundant at the Kugluktuk site than in Maligot Bay. In contrast, coregonid species (i.e., lake whitefish, broad whitefish, and round whitefish) were considerably more abundant at the Kugluktuk site than in Maligot Bay. Overall, Arctic char were captured more frequently in Maligot Bay (0.83 fish/h) than at the Kugluktuk site (0.43 fish/h). Longnose sucker, Arctic flounder, and starry flounder were much more abundant at the Kugluktuk site than at Maligot Bay.

7.3 Gill Net Catches

Gill netting was conducted at eight different locations in the vicinity of the Marine Docking Facility (Table 7.6). Arctic cisco contributed 21.0% to the catch; other frequently encountered species were saffron cod (17.3%), starry flounder (16.5%), Arctic char (11.02%), broad whitefish (10.2%), and pacific herring (9.4%) (Table 7.2). In total, 1.7 net-units (one net-unit equals 100 m^2 of net set for 12 h) of gillnetting effort was expended and 128 fish were captured (mean CPUE of 74.7 fish/net-unit).

The CPUE for the most frequently captured species were: Arctic cisco (15.9 fish/net-unit), saffron cod (12.9 fish/net-unit), starry flounder (12.4 fish/net-unit), and Arctic char (8.8 fish/net-unit). The majority (11 of 15) of Arctic char were captured in gill nets set to the east of the proposed Docking Facility (Table 7.6).

7.4 Beach Seine Catches

Beach seining was conducted at five sites located along the shoreline (immediately west and east of the fyke net location), and occurred during both sampling periods. The total area sampled, was approximately 5400 m^2 and the total catch was 44 fish (Table 7.7). Arctic cisco (59.1%), broad whitefish (11.4%), lake whitefish (9.1%), and starry flounder (9.1%) were the predominant species in the catch. In addition, three juvenile round whitefish, one Age-0 Arctic char and one Age-0 rainbow smelt were collected during the July sampling event (Table 7.2).

Table 7.6 Gillnet catches and CPUE[1] in the vicinity of the proposed Marine Docking Facility near Kugluktuk, Nunavut during July to September 2002.

Set No.	Site[2]	Location (UTM)	Set Date	Set Time	Set Duration (h)	Net Units[3]	Water Depth (m)	Water Temp. (°C)	Substrate Type[4]	Number of Fish Captured/ *CPUE (fish/ 100 m²/ 12 h)*										TOTAL
										ARCS		LKWH		BDWH		RNWH		ARCH		
GN1	EAST	11W E579077 N7524915	20 July	14:00	2.0	0.20	1.8	17.2	Bo/Sa/Si					3	*15.0*	2	*10.0*	4	*20.0*	9
GN2	WEST	11W E576799 N7524986	23 July	09:55	4.0	0.40	2.2	17.8	Sa/Si			1	*2.5*	1	*2.5*			2	*5.0*	4
GN3	WEST	11W E577765 N7524579	24 July	10:45	4.0	0.40	2.3	17.9	Sa/Si	4	*10.0*			2	*5.0*			2	*5.0*	8
GN4	EAST	11W E579224 N7525039	25 July	13:51	2.0	0.20	3.0	18.3	Sa/Si	2	*10.0*	1	*5.0*	3	*15.0*			1	*5.0*	7
GN5	WEST	11W E578221 N7524343	31 Aug	15:05	1.2	0.12	2.5	7.0	Sa/Si	10	*83.3*	2	*16.7*			1	*8.3*			13
GN6	WEST	11W E577834 N7524339	31 Aug	15:15	1.4	0.14	2.7	7.0	Sa/Si	4	*28.6*	4	*28.6*	3	*21.4*					11
GN7	EAST	11W E579114 N7524646	1 Sep	14:50	1.2	0.12	2.5	8.0	Bo/Sa/Si	3	*25.0*	2	*16.7*					6	*50.0*	11
GN8	NORTH	11W E578532 N7524597	2 Sep	14:44	1.2	0.12	3.0	5.0	Sa/Si	4	*33.3*	2	*16.7*	1	*8.3*					7
TOTAL						1.70				**27**	***15.9***	**12**	***7.1***	**13**	***7.6***	**3**	***1.8***	**15**	***8.8***	**70**

Set No.	Site[2]	Location (UTM)	Set Date	Set Time	Set Duration (h)	Net Units[3]	Water Depth (m)	Water Temp. (°C)	Substrate Type[4]	PCHR		LNSC		SFCD		ARFL		STFL		TOTAL
GN1	EAST	11W E579077 N7524915	20 July	14:00	2.0	0.20	1.8	17.2	Bo/Sa/Si			1	*5.0*	17	*85.0*			3	*15.0*	21
GN2	WEST	11W E576799 N7524986	23 July	09:55	4.0	0.40	2.2	17.8	Sa/Si					2	*5.0*			11	*27.5*	13
GN3	WEST	11W E577765 N7524579	24 July	10:45	4.0	0.40	2.3	17.9	Sa/Si	4	*10.0*					1	*2.5*	4	*10.0*	9
GN4	EAST	11W E579224 N7525039	25 July	13:51	2.0	0.20	3.0	18.3	Sa/Si	1	*5.0*					1	*5*	2	*10.0*	4
GN5	WEST	11W E578221 N7524343	31 Aug	15:05	1.2	0.12	2.5	7.0	Sa/Si	3	*25.0*			2	*16.7*			1	*8.3*	6
GN6	WEST	11W E577834 N7524339	31 Aug	15:15	1.4	0.14	2.7	7.0	Sa/Si	1	*7.1*									1
GN7	EAST	11W E579114 N7524646	1 Sep	14:50	1.2	0.12	2.5	8.0	Bo/Sa/Si											0
GN8	NORTH	11W E578532 N7524597	2 Sep	14:44	1.2	0.12	3.0	5.0	Sa/Si	3	*25.0*			1	*8.3*					4
TOTAL						1.70				**12**	***7.1***	**1**	***0.6***	**22**	***12.9***	**2**	***1.18***	**21**	***12.4***	**58**

[1]Catch-per-unit-effort

[2]In relation to fyke net location.

[3]1 net unit = 100 m² of gill net set for an equivalent of 12 hours

[4]Bo (boulder) Sa (sand) Si (silt)

Table 7.7 Beach seine catches and CPUE[1] in the vicinity of the proposed Marine Docking Facility near Kugluktuk, Nunavut during July to September 2002.

Set No.	Site[2]	Location (UTM)	Date	Start Time	Finish Time	Effort (m²)	Water Depth (cm)	Water Temp. (°C)	Substrate Type[3]	Number of Fish Captured/ *CPUE (fish/m²)*										
										ARCS		LKWH		BDWH		RNWH		ARCH		TOTAL
BS1	WEST	11W E576881 N7524712	23 July	10:25	10:45	540	20.0	17.9	Sa/Si	1	*0.0019*									1
BS2	EAST	11W E577269 N7524531	23 July	11:30	11:55	540	50.0	17.9	Sa/Si	6	*0.0111*	1	*0.0019*	2	*0.0037*					9
BS3	EAST	11W E578570 N7524506	23 July	13:00	13:20	540	50.0	17.8	Sa/Si	5	*0.0093*	1	*0.0019*	1	*0.0019*					7
BS4	WEST	11W E578515 N7524505	23 July	13:20	13:50	540	60.0	17.9	Sa/Si	12	*0.0222*			1	*0.0019*					13
BS5	WEST	11W E579023 N7524729	24 July	09:20	09:40	540	50.0	17.2	Sa/Si/Bo	1	*0.0019*					3	*0.0056*	1	*0.0019*	5
BS6	WEST	11W E576976 N7524477	30 Aug	13:50	14:15	540	50.0	11.1	Sa/Si					1	*0.0019*					1
BS7	WEST	11W E577373 N7524302	30 Aug	14:25	14:38	540	50.0	11.1	Sa/Si											
BS8	EAST	11W E578712 N7524311	30 Aug	15:00	15:20	540	50.0	11.1	Sa/Si											
BS9	WEST	11W E578589 N7524264	30 Aug	15:25	15:40	540	60.0	11.1	Sa/Si	1	*0.0019*	2	*0.0037*							3
BS10	EAST	11W E579103 N7524510	30 Aug	15:40	15:56	540	50.0	11.1	Sa/Si/Bo											
TOTAL						5400				**26**	***0.0048***	**4**	***0.0007***	**5**	***0.0009***	**3**	***0.0006***	**1**	***0.0002***	**39**

Set No.	Site[2]	Location (UTM)	Date	Start Time	Finish Time	Effort (m²)	Water Depth (m)	Water Temp. (°C)	Substrate Type[3]	STFL		RNSM		TOTAL
BS1	WEST	11W E576881 N7524712	23 July	10:25	10:25	540	20.0	17.9	Sa/Si	2	*0.0037*	1	*0.0559*	3
BS2	EAST	11W E577269 N7524531	23 July	11:30	11:55	540	50.0	17.9	Sa/Si					
BS3	EAST	11W E578570 N7524506	23 July	13:00	13:20	540	50.0	17.8	Sa/Si	1	*0.0019*			1
BS4	WEST	11W E578515 N7524505	23 July	13:20	13:50	540	60.0	17.9	Sa/Si					
BS5	WEST	11W E579023 N7524729	24 July	09:20	09:40	540	50.0	17.2	Sa/Si/Bo					
BS6	WEST	11W E576976 N7524477	30 Aug	13:50	14:15	540	50.0	11.1	Sa/Si					
BS7	WEST	11W E577373 N7524302	30 Aug	14:25	14:38	540	50.0	11.1	Sa/Si					
BS8	EAST	11W E578712 N7524311	30 Aug	15:00	15:20	540	50.0	11.1	Sa/Si					
BS9	WEST	11W E578589 N7524264	30 Aug	15:25	15:40	540	60.0	11.1	Sa/Si	1	*0.0019*			1
BS10	EAST	11W E579103 N7524510	30 Aug	15:40	15:56	540	50.0	11.1	Sa/Si/Bo					
TOTAL						5400				**4**	***0.0007***	**1**	**0.000185**	**5**

[1]catch-per-unit-effort

[2]In relation to fyke net location

[3]Bo (boulder) Sa (sand) Si (silt)

7.5 Size Distribution

Length-frequencies for fish captured during the 2002 field season are presented in Figure 7.2. The results are described below for each of the major fish species.

Arctic char

Sampled Arctic char ranged in fork length from 87 to 872 mm. Two distinct modes were evident: one centered around 100 mm and the second around 650 mm (Figure 7.2). A considerable part of the catch (12.8%) consisted of fish smaller than 150 mm in length. The capture of these small fish in estuarine habitat (at salinity concentrations as high as 22‰) is of interest. Previous studies report that the first seaward migrations of young Arctic char occur after they have reached at least 150 mm in length (Johnson 1980; Grainger 1953; Gullestad 1975). Length-classes between 170 and 470 mm were poorly represented (i.e., contributed only 13.8% to the total catch). In contrast, fish larger than 470 mm contributed 73.4% to the catch. The median length of the overall Arctic char catch was 635 mm.

Fish were not aged during the present study, but based on the size of Arctic char captured, in comparison to an aged sample from Maligot Bay (RL&L 1993) it is assumed that they ranged in age from Age-0 to Age-16 years.

Arctic cisco

Arctic cisco in the catch ranged in fork length from 32 to 462 mm; the median length was 160 mm. Most Arctic cisco (82%) were less than 250 mm in length. A similar predominance (78.1%) of small fish was recorded in Maligot Bay catches (RL&L 1993). Fish smaller than 70 mm (assumed to be young-of-the-year) contributed 20.8% to the total catch (Figure 7.2).

Arctic cisco of a similar size to those recorded in this study were recorded in Maligot Bay in 1993 (RL&L 1993). The Maligot Bay fish ranged in age from 0 to 12 years.

Arctic flounder

Arctic flounder in the catch ranged in total length from 70 to 342 mm; the median length was 230 mm. Most Arctic flounder (74.3%) were less than 270 mm in length. Only one young-of-the-year (assumed) was captured during the study (70 mm total length) (Figure 7.2).

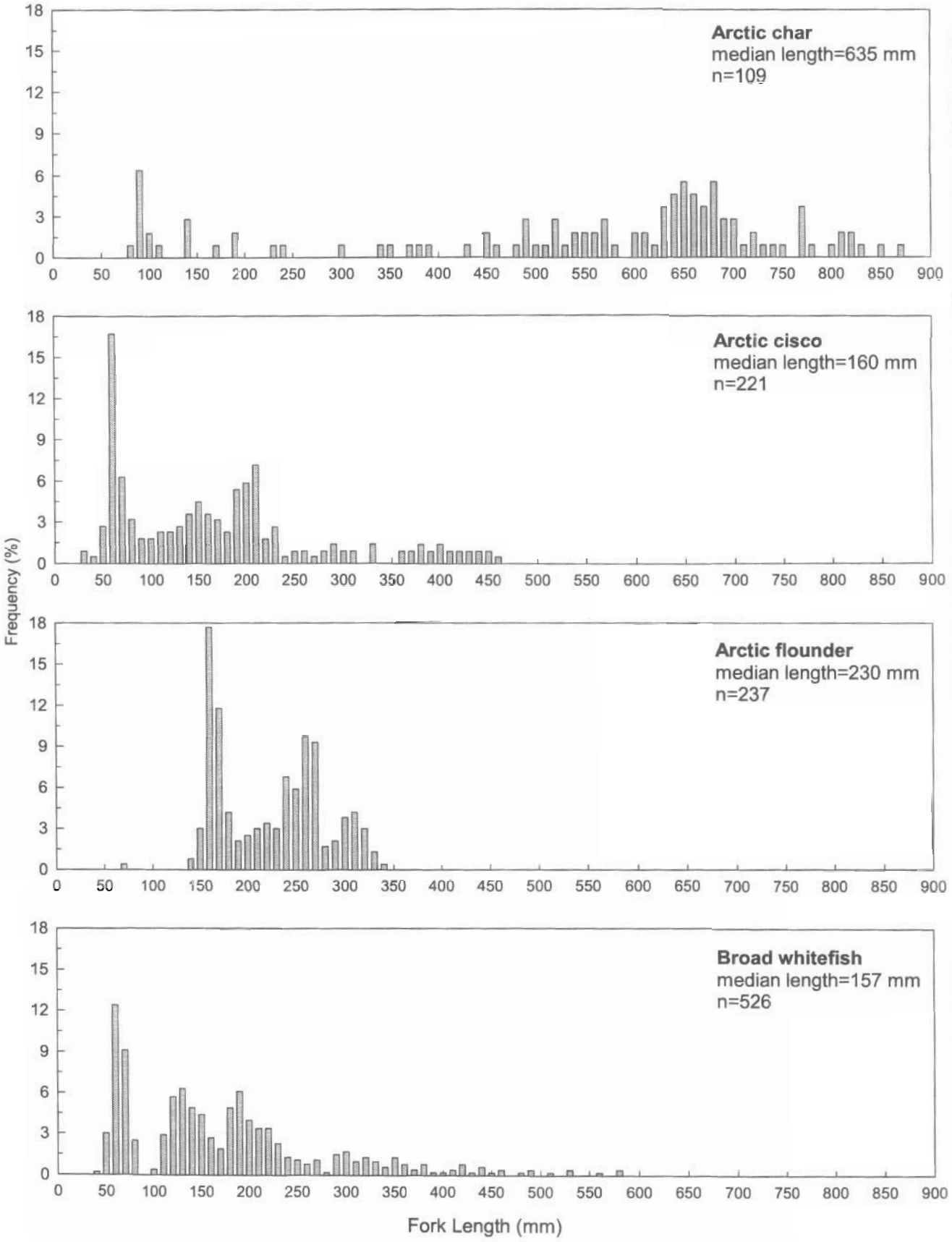


Figure 7.2 Length-frequency distribution of the catch for the main fish species encountered near the proposed Marine Docking Facility from July - September, 2002.

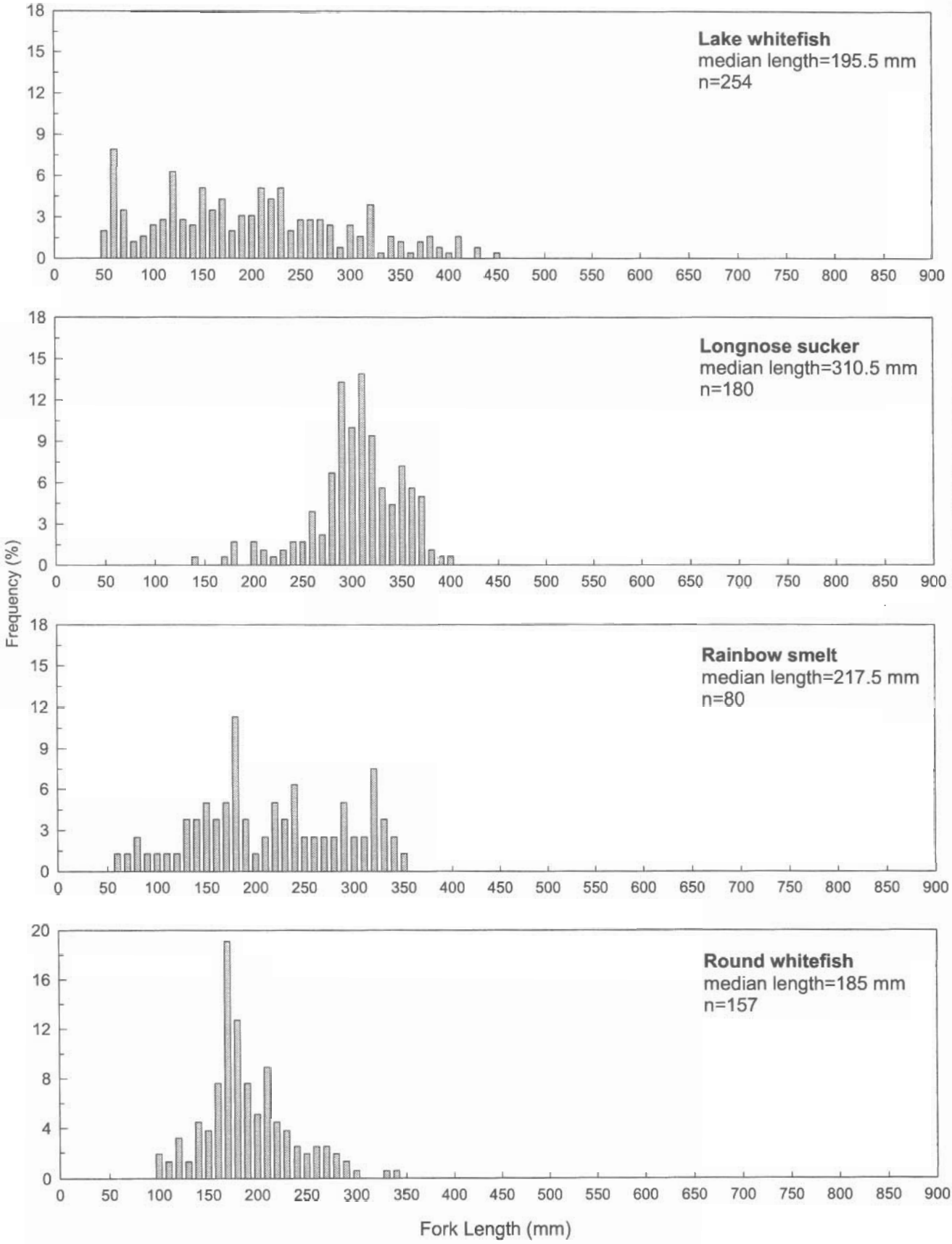


Figure 7.2 continued.

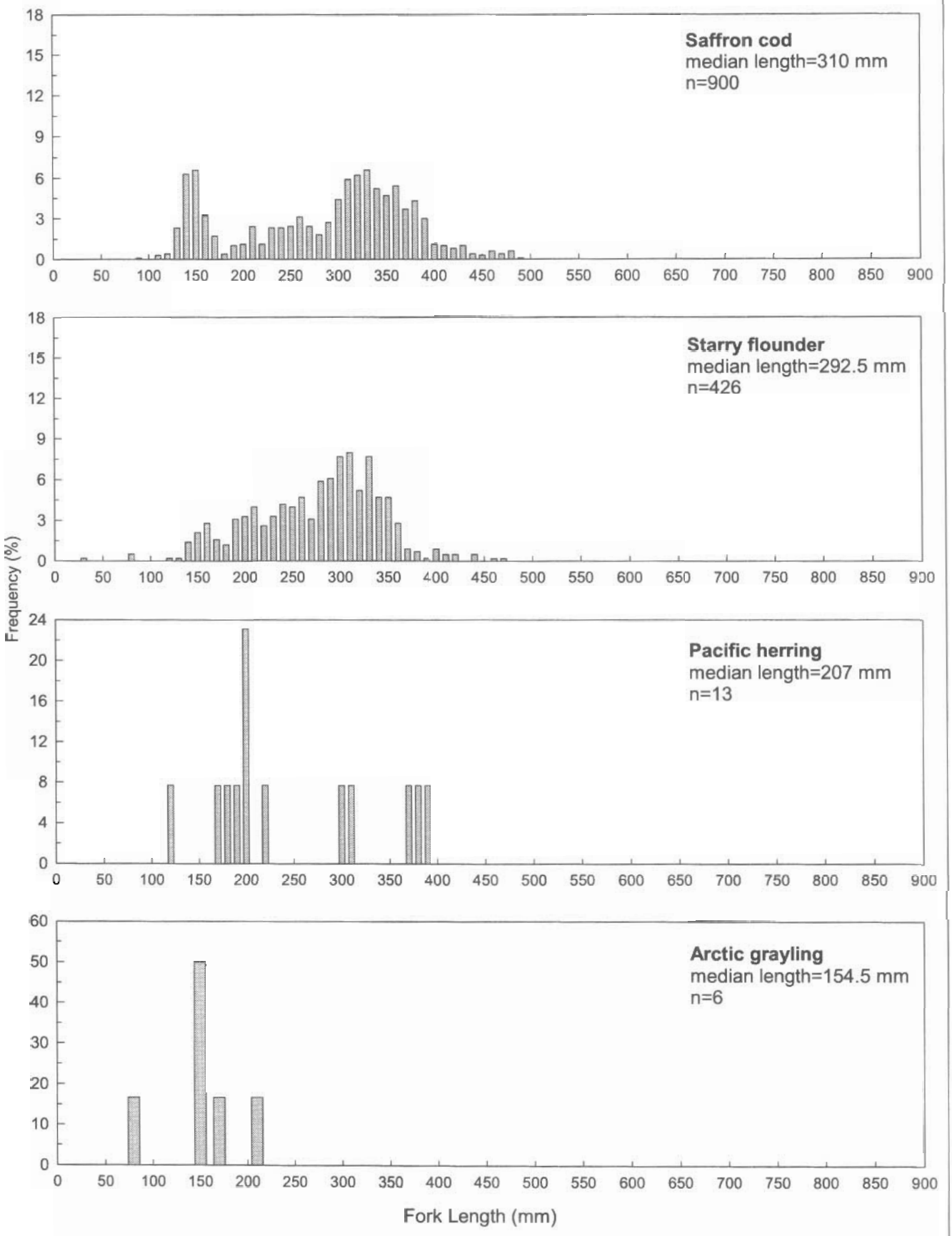


Figure 7.2 concluded.

Broad whitefish

Broad whitefish in the catch ranged from 44 to 585 mm in fork length, with a median length of 157 mm. A considerable proportion (24.8%) of the catch was composed of very small individuals (less than 80 mm in length); some of these individuals were assumed to be young-of-the-year. Length-classes between 80 and 350 mm contributed 68.2% to the total catch (Figure 7.2).

Broad whitefish from Maligot Bay of a similar size ranged in age form 0 to 14 years (RL&L 1993).

Lake whitefish

Lake whitefish in the catch ranged in fork length from 55 mm to 456 mm; the median length for the sample was 195.5 mm. A considerable proportion (33.1%) of the catch was composed of fish less than 150 mm in length. A portion of these were assumed to be young-of-the-year (spawned in fall of 2001). Individuals greater than 350 mm were poorly represented, contributing only 8.3% to the total catch (Figure 7.2).

Lake whitefish captured in Maligot Bay of similar size ranged in age from 0 to 13 years (RL&L 1993).

Longnose sucker

Longnose sucker in the catch ranged in fork length from 145 to 400 mm; the median length was 310.5 mm. Most captured longnose suckers (91.1%) were greater than 250 mm in length. Individuals less than 200 mm were poorly represented, contributing only 2.7% to the total catch (Figure 7.2).

Rainbow smelt

Rainbow smelt in the catch ranged from 62 to 355 mm in fork length, with a median length of 217.5 mm The length-frequency distribution was characterized by three distinct modes (centered around 150 mm, 225 mm, and 325 mm). A considerable proportion (17.5%) of the catch was composed of individuals less than 150 mm in length. Length-classes between 150 and 300 mm contributed 62.5% to the total catch (Figure 7.2).

Rainbow smelt captured in Maligot Bay of similar size ranged in age from 4 to 13 years (RL&L 1993).

Round whitefish

Round whitefish in the catch ranged from 100 to 340 mm in fork length, with a median length of 185 mm. The length-frequency distribution featured one distinct mode centered

around 175 mm. Individuals less than 150 mm in length contributed 12.1% to the total catch, and length-classes between 150 and 250 mm contributed 82.2% to the total catch (Figure 7.2).

Saffron cod

Saffron cod in the catch varied in length between 95 and 492 mm (median length of 310 mm). The length-frequency distribution was characterized by two distinct modes (centered around 140 mm and 340 mm). Length-classes between 130 and 350 mm contributed 72.6% to the total catch (Figure 7.2).

Saffron cod captured in Maligot Bay of similar size ranged in age from 0 to 12 years (RL&L 1993).

Starry flounder

Starry flounder in the catch ranged from 32 to 478 mm in total length, with a median length of 292.5 mm. Most captured starry flounder (74.4%) were between 200 and 350 mm in length. Three very small individuals (32, 80, and 85 mm total lengths). were captured during the study; they may have been young-of-the-year (Figure 7.2).

Pacific herring

In total, 13 pacific herring were captured during the present study. The sample ranged in fork length between 128 and 395 mm; the median fork length was 207 mm. A sizeable proportion (23.1%) of the catch was composed of fish greater than 350 mm in length. However, the majority (61.5%) of the catch was less than 300 mm in length (Figure 7.2).

Arctic grayling

Arctic grayling were captured in low numbers (n=6) in the vicinity of the proposed development. Individuals in the catch ranged from 84 to 211 mm in fork length; the median length was 154.5 mm (Figure 7.2). Only one individual less than 100 mm in length was captured during the study.

7.6 Fish Tagging

In total, 136 of the larger, adult-sized fish received Floy^{TM} anchor tags. The tagged sample included 61 Arctic char, 28 broad whitefish, 20 saffron cod, 18 lake whitefish, five Arctic cisco, one rainbow smelt, one round whitefish and one northern pike. Tagging information for individual fish is presented in Appendix E. The tags applied were orange in color and were inscribed with the following: "Number code – RLL 17312-106th Ave Edmonton AB T5S 1H9". None of the tagged fish was recaptured by the field crew

during the study and we were aware of no recaptures from outside sources (i.e., domestic fishermen) at the time of report preparation.

7.7 Fish Stomach Contents

Stomach contents of a portion of (n=50) of the capture mortalities and speciments sacrificed to determine state-of-maturity were examined to assess feeding habits. The information for individual fish examined is provided in Appendix E. Of particular interest were the food items in a broad whitefish captured in the fyke net (east bound) on 22 July (i.e., stomach one half full of capelin eggs).

8.0 PRE – DEVELOPMENT FISH HABITAT USE

The site of the proposed marine docking facility provided habitat for a total of 18 fish species during July to September 2002. Some species were abundant (e.g., lake whitefish, broad whitefish, saffron cod), while others were well-represented in the catch, but captured less frequently (e.g., Arctic cisco, round whitefish, Arctic char, longnose sucker, rainbow smelt, Arctic flounder, starry flounder). Certain species were only recorded on an occasional or individual basis (e.g. least cisco, burbot, northern pike, Pacific herring, capelin, Greenland cod, longhead dab). Habitat in the proposed development area, which is part of the Coppermine River estuary was used primarily for summer feeding (adult fish), rearing (immature age classes), and as a coastal, nearshore movement corridor was inhabited at different levels of intensity and for varying purposes, by representatives of four major groups of fish (freshwater, amphidromous, anadromous, marine). The importance of nearshore, estuarine habitat to the annual feeding success and well-being of Arctic species (particularly amphidromous species such as Arctic char, Arctic cisco and broad whitefish) has been well-documented (Craig 1984; Reist and Bond 1988; Reynolds 1997).

There was no indication of spawning use of the area and overwintering is not possible due to ice conditions (i.e., frozen to bottom during winter). Table 8.1 summarizes the information obtained in this study, and in the published literature, on fish use (documented and potential) in the vicinity of the proposed development. In situations where a particular species or life requisite activity (e.g., adult feeding) indicates a potential concern due to the project, the interaction is highlighted in the table. (e.g., immature lake whitefish are considered to be abundant at the site, indicating a potential concern related to rearing).

Table 8.1 Documented and potential fish use of aquatic habitat at the proposed development site and identification of species / habitat concerns.

		Life Requisite Activities				
Species	**Population Status**	**Spawning**	**Rearing**	**Adult Feeding**	**Overwintering**	**Movements**
Arctic cisco	Common	No	Yes	Yes	No	Yes
		Arctic cisco are amphidromous (reside primarily in estuarine waters and spawn in fresh water); spawning occurs in rivers, over gravel/cobble substrates[5]. Spawning in the Coppermine River has not been confirmed. Adults in the area may be non-spawners.	Young Arctic cisco descend from the spawning rivers following hatching in the spring; rearing occurs in estuaries[3]. Extensive rearing by a wide range of immature age classes (including a few y-o-y) was documented in this study.	Feeding by adult size classes was documented in this study.	Overwintering not possible at site because of ice conditions (i.e., frozen to bottom)	Defined movements past site were recorded during this study; it is likely that there are feeding related movements (east and west).
Least cisco	Occasional	No	Yes	No	No	Yes
		Amphidromous species that spawn in freshwater, over sand or gravel in rivers or along lake shores; spawn in Sept. and Oct.[3].	The small numbers (n=4) of least cisco captured in this study were assumed to be immature, which confirms that some rearing does occur in the area.	The presence of adults in the catch was not confirmed during this study, although one or two may have been approaching adult size.	Overwintering not possible at site because of ice conditions (i.e., frozen to bottom)	A small number of least cisco (n=4) were captured in the directional fyke nets; likely indicating feeding related movements by immature age classes.
Lake whitefish	Abundant	No	Yes	Yes	No	Yes
		Spawning occurs in lakes or rivers during late fall (Oct. to Nov.); in coastal regions the adults migrate up rivers during the fall[3,5]. It is assumed the lake whitefish encountered at the proposed development site are spawning in the Coppermine River.	Several age classes of immature lake whitefish were recorded in this study, including what were assumed to be y-o-y (likely from a downstream dispersal from the Coppermine River following hatching during the spring).	Adult lake whitefish were well represented in the catch during the summer and fall, indicating extensive feeding use of the area.	Overwintering not possible at site because of ice conditions (i.e., frozen to bottom)	Extensive movements recorded at the proposed site; majority of fish moving west (away from Coppermine River) during summer and fall. Expected to return to the Coppermine River later in the fall.

Table 8.1 continued.

Life Requisite Activities						
Species	**Population Status**	**Spawning**	**Rearing**	**Adult Feeding**	**Overwintering**	**Movement**
Round whitefish	Common	No	Yes	Yes	No	Yes
		Spawning occurs in the fall (Oct. to Nov.) in gravelly shallows of lakes, at river mouths, or on occasion in rivers[3]. It is possible that the round whitefish recorded at the site are part of a Coppermine River spawning population.	A number of age classes of immature round whitefish were captured at the proposed development site.	A few larger individuals (assumed to be adults) were captured at the site; it is likely that these individuals were feeding in the area prior to moving to spawning areas in the Coppermine River later in the fall.	Overwintering not possible at site because of ice conditions (i.e., frozen to bottom); probably occurs in the Coppermine River.	Defined east/west movements (to and likely from Coppermine River) were recorded in this study.
Arctic char	Common	No	Yes	Yes	No	Yes
		Spawning occurs in freshwater, lakes, or rivers, usually in Sept. to Oct.[3]. Fish captured at the proposed development site are assumed to be part of the Coppermine River spawning population.	Several age classes of immature Arctic char were captured during the present study, indicating a rearing function for the nearshore estuarine habitat.	Adult Arctic char, assumed to be non-spawners in the current year, were well represented in the catch during the summer and fall sessions. It is assumed that these individuals were feeding in the area while moving to and from other feeding areas in the gulf.	Overwintering not possible at site because of ice conditions (i.e., frozen to bottom). It is assumed that all size classes return to Coppermine River in the fall.	Defined feeding and overwintering related movements to and from the Coppermine River were recorded at the proposed development site.
Arctic grayling	Occasional	No	Yes	Yes	No	Yes
		Spawning occurs during the spring, in riffles and runs situated in streams and rivers over gravel/cobble substrate. Spawning in Coppermine River.	The speciments that were captured at the site during this study were primarily juveniles (i.e., likely members of the Coppermine River spawning population) who chose to rear in the estuary during the summer.	Occasionally, adult Arctic grayling from the Coppermine River area move into the estuary for summer feeding purposes.	Overwintering occurs in the Coppermine River.	Limited seasonal feeding movements of Arctic grayling through the area can be expected.

Table 8.1 continued.

Life Requisite Activities						
Species	**Population Status**	**Spawning**	**Rearing**	**Adult Feeding**	**Overwintering**	**Movement**
Longnose sucker	Common	No	No	Yes	No	Yes
		Spawning is assumed to occur in the Coppermine River during spring.	The majority of longnose suckers captured at the site were adults, although a few immature individuals were noted.	Adult longnose suckers were well represented in the catch, indicating extensive feeding in nearshore habitat during the summer and fall.	Overwintering likely occurs in the Coppermine River.	A defined movement of longnose suckers, primarily eastbound towards the Coppermine River was documented. It is assumed that these individuals moved through the area in a westerly direction earlier in late spring or earlier in the summer, prior to the start of the study (i.e., likely to feeding areas).
Burbot	Occasional	No	Yes	No	No	No
		The two burbot captured were likely from a spawning population in the Coppermine River.	A few juvenile burbot were captured at the site; these fish likely strayed in from the Coppermine River.	Adult burbot were not recorded in the area during the present study.	Overwintering occurs in the Coppermine River.	Occasional movements through the area can be expected.
Pacific herring	Occasional	No	Unlikely	Yes	No	Yes
		Spawns in shallow water. Deposits eggs on marine vegetation or solid materials; which are not available at site[2].	Young-of-year (y-o-y) can inhabit shallow bays during first summer; next 2 to 3 years in deep water. No y-o-y captured in this study[1].	Low numbers captured; mostly in gill nets in this study.	Development site freezes to bottom.	Data suggests that movements generally offshore/inshore rather than east/west along shore.
Rainbow smelt	Common	No	Yes	Yes	No	Yes
		Anadromous species, spawns over gravel substrate in rivers (probably in Coppermine River).	Larvae and young often rear in estuaries[3]. One immature individual (62 mm) captured in beach seine, this study.	Wide range of size classes captured in fyke net.	May overwinter in estuary; development site freezes to bottom.	Defined east/west movements along shoreline (feeding and overwintering related), documented in this study.

Table 8.1 continued.

Life Requisite Activities						
Species	**Population Status**	**Spawning**	**Rearing**	**Adult Feeding**	**Overwintering**	**Movement**
Capelin	Infrequent	Possible	Unlikely	No	No	Possible
		Spawn late spring or early summer (depending on location) in large schools along shoreline, or in very shallow water; lay adhesive eggs on beaches (eggs buried in gravel)[2]. Concentration of fish in spawning condition caught in fyke net in nearshore habitat (lower gravel bottom), 19 km east of Coppermine (Maligot) between 20-22 July 1993[4]. Residents of Kugluktuk indicate that capelin adults and eggs observed in some years along beaches in vicinity of proposed site; none observed this year. In this study, capelin not recorded in fyke net during the 14-26 July survey or 27 Aug.-4 Sept. survey; capeline eggs were observed in broad whitefish stomach on 22 July indicating that spawning occurred in general area. Absence of gravel suitable for spawning at proposed development site, indicating low likelihood of spawning.	No indication from this study that y-o-y and juvenile capelin feeding in the area during summer (i.e., absent from beach seine catches).	Adults generally located offshore, come into shallow waters for spawning[1]. Only one adult recorded in the study.	Area of proposed development freezes to bottom.	Capelin undertake migrations into shallow, beach areas during summer for spawning[2,4]. Defined movement into area not recorded in this study, but local residents have observed this in the past.
Saffron cod	Abundant	No	Yes	Yes	No	Yes
		Saffron cod spawn during Jan. to Feb. in coastal zones of bays inlets, in sand-gravel substrate and in strong tidal currents, at depths of 2 to 10 m[(2)]. Spawning not possible at proposed site because freezes to bottom.	Range of size classes of immature individuals captured in fyke and gill nets in this study; presence in the area likely for feeding purposes. Juveniles feed on small fish and benthic crustaceans[2].	Adult saffron cod abundant in the area indicating extensive feeding during summer (this study).	Overwintering not possible because site freezes to bottom.	Extensive feeding related movements in nearshore habitat (east/west orientation) documented in this study.

Table 8.1 concluded.

Life Requisite Activities						
Species	**Population Status**	**Spawning**	**Rearing**	**Adult Feeding**	**Overwintering**	**Movements**
Greenland cod	Infrequent	No	No	Yes	No	Yes
		Very little known about spawning habitats, but spawning thought to occur during Feb. to May[2]. Only one specimen captured in this study and local fishermen indicate that they are mainly caught further offshore (associated with islands). Since area frozen to bottom during winter, spawning not likely.	Rearing not expected. Limited studies of this species in the area of the proposed development.	One large specimen captured in this study; it is assumed that it was in the area for feeding.	Area freezes to bottom during winter.	Occasional feeding related movements into the area of the proposed development can be expected; likely more common offshore where access to capelin.
Arctic flounder	Common	No	Yes	Yes	No	Yes
		Spawning occurs from winter to early spring (Jan. to May); eggs are broadcast into water column[1]. Spawning use of site unlikely due to ice conditions (frozen to bottom for most of spawning period). Eggs may be pelagic and subject to drift due to wind, river current.	One y-o-y (assumption based on size) caught in beach seine and range of size classes (including juveniles in fyke net) indicate that rearing occurs in the area (this study).	Extensive feeding use of nearshore habitat in the area, as evidenced by numbers of adult-sized individuals captured in fyke nets (this study).	Area freezes to bottom.	Defined movements of Arctic flounder along the shoreline (both east and west orientation) documented during summer and fall (this study).
Starry flounder	Common	No	Yes	Yes	No	Yes
		Spawning of Starry flounder reportedly occurs during Feb. to Apr. period[1]. If winter spawning occurs in the Kugluktuk area, then the proposed development site would not be useable. Eggs are likely pelagic, subject to drift in response to wind and river current.	Several small (possibly y-o-y) individuals recorded in beach seine hauls indicating some early stage rearing at the site. Juvenile age classes were also represented in the fyke net catch.	Adult starry flounders well represented in the summer and fall catches indicating extensive feeding in the vicinity of the proposed development.	No use during winter due to ice conditions (i.e., frozen to bottom)	Extensive feeding related movements through the area during the summer and fall.
Longhead dab	Occasional	No	No	Yes	No	Yes
		Only three individuals captured in the present study; no evidence that significant spawning activity in the vicinity of proposed development.	Unlikely that any significant amount of rearing taking place, given the limited population status in the area.	Based on the available data there is a limited degree of adult feeding occurring in the area.	No overwintering in the area because of ice conditions (i.e., frozen to bottom).	Limited feeding related movements through nearshore habitat.

[1]Fishbase (www.fishbase.org).
[2]FAO/SIDP(Species Identification and Data programme) (www.fao.org)
[3]Scott and Crossman 1973
[4]RL&L 1993
[5]McPhail and Lindsey 1970

9.0 FISHERIES IMPACT ASSESSMENT

9.1 Potential Short Term Effects – Construction

- Short term increases in suspended sediment levels in the water column may occur due to the placement of fill on the seabed.

The breakwater will be comprised of 13 000 m^3 of clean, blasted rock with low fines content. Selected large-size armor rock will be placed on the seaside (1 m thick layer). The causeway/hammerhead structure will consist of an additional 5000 m^3 of clean blasted rock placed on the beach and seabed. The breakwater and causeways will be constructed in April-May 2003; it is anticipated that the sea ice at this time will be bottom-fast (frozen to bottom). The 0.6 m to 1.7 m ice layer covering the footprint of the causeway and breakwater will be removed with a bulldozer equipped with a ripper and excavator. The wharf will be constructed in open water conditions during August-September, 2003. The placement of coarse backfill in the wharf bins could result in loose material entering the water. To mitigate this, a 2.5 m berm of clean rock fill will be placed between the water line and the edge of the structure. Gravel infill will be contained in steel/timber bins and geotextile material will be installed at the base of the structure (on the interface between rock and gravel fill).

Conclusion: Because clean blasted rock is being used and the construction is being carried out when the area is frozen to the bottom, there should be no opportunity for transport of sediment during construction. However, during initial exposure to open water and wave activity, there will be minor introduction of fine sediments as the armor rock are washed away by the action of the water. Although the seabed may be disturbed during removal of the ice, any subsequent sediment transport following break-up is likely to be insignificant (i.e., naturally high turbidity in the Coppermine River during the freshet). There may be some concern with the wharf construction which is to be done during the summer/fall; however, if the planned mitigation techniques are implemented there should be little or no concern.

- There is always the potential for an accidental spill of diesel fuel during construction. This could result when transferring fuel from the fuel truck to the equipment, due to leakage from machinery, or the result of a fuel truck accident. A mitigation/contingency plan has been provided.

Conclusion: There will be no significant fishery concerns assuming that effective mitigation/contingency plans are put into effect.

9.2 Potential Long Term Effects – Operational

9.2.1 Interception of Fish Movements

- The directional fyke net, which was set perpendicular to the shore, documented defined movements by a wide range of fish species (including marine, anadromous, amphidromous, and freshwater types). Three types of movements were intercepted by the fyke net:

    1. defined movements of amphidromous and freshwater species from the Coppermine River and estuary into the area for feeding and rearing purposes (Arctic char, lake whitefish, broad whitefish, round whitefish, Arctic grayling, longnose sucker, burbot, northern pike). These fish probably left the river shortly after ice out. By late July some were already heading east, back to the river for overwintering purposes.
    2. overwintering movements, in an easterly direction, as anadromous and freshwater species fish return from summer feeding areas in the gulf. Fish began returning in July, and the majority of fish captured in late August/early September survey were traveling east towards the river.
    3. localized feeding movements in the nearshore zone by marine species (primarily saffron cod and flounders but also including capelin, herring, longhead dab, etc.). It is assumed that fish in this group are moving in and out of the area in response to the availability of suitable habitat conditions (i.e., based on wind, salinity, tide) and movements of prey species. The causeway is less likely to adversely affect these species because movements are less defined and probably more north-south oriented (i.e., between deeper waters and neashore zone).

Conclusion: Based on the 2002 study results, it is certain that the causeway will intercept fish moving along the coast during the summer and fall. The defined movements described above (feeding, overwintering) will be of more concern than the localized movements. Based on current knowledge, it appears that the causeway will not significantly delay or impede fish movements through the area. This conclusion is based on the premise that fish encountering the fyke net were able to effectively lead along the block nets (which essentially simulated a blockage due to the proposed causeway) and enter the traps placed at the offshore end of the fyke net assembly (i.e., had the traps not been in place the fish would have been free to swim around the barrier). It was also the feeling of community members that the causeway would not adversely affect fish movements and migrations.

Another consideration is that the causeway, which will extend approximately 60 m offshore, only projects through a portion of the shallow nearshore zone, thus allowing

fish moving further offshore to be unaffected by the barrier. Reist and Bond (1988) and Bond and Erickson (1989) reported that anadromous salmonids (Arctic char, Arctic cisco, broad whitefish etc.) migrated within the 5-m isobath (at depths between 0 and 5 m) along the Beaufort Sea coastline (Yukon).This was established through the use of a directional fyke net (set perpendicular to the shoreline) and gill nets set along the 5 m isobath to determine the occurrence of movements further offshore. In the present study it was determined that habitat conditions (salinity, substrate etc.) were similar offshore to depths of 3 m, and probably deeper. We captured migrating fish in gillnets out to depths of 3 m, which corresponded to distances of 350 to 400 m offshore. Sampling effort at deeper locations was minimal so the extent of movements further out than 400 m cannot be confirmed at this point. If it is assumed that fish migrate past the proposed site out to the 2 m isobath (depth of 2 m), a 60 m causeway would project into 16% of the available nearshore zone (i.e., 2 m isobath is approximately 375 m offshore at the proposed development site). Furthermore, if migrations occur within the 5 m isobath, as previous investigations determined, the causeway would project into only 12.6% of the available movement corridor (i.e., 5 m isobath is located approximately 475 m offshore).

We also considered the "worst case situation" whereby an offshore area extending approximately 200 m out could be affected. This assumes that the fish are deflected by development as a whole (causeway, aquatorium, breakwater). It is our opinion that this is very unlikely given that habitat changes in the aquatorium are not expected to be significant and that barge traffic is likely to be in place for only 15 to 20 days per year. Furthermore, a good portion of the annual movements will have moved through the area before the barges arrive (e.g., spring out-migration of Arctic char form the Coppermine River).

9.2.2 Habitat Alteration Due To Footprint of Structures

- The breakwater footprint on the seabed is 5000 m^2; the footprint of the causeway is 1200 m^2 (i.e., total of 6200 m^2).
- This area is serving as feeding habitat and as a movement corridor for a wide range of species during the summer and fall (probably a three month period extending from mid-June to mid-September). Marine species such as Arctic flounder, starry flounder, and saffron cod and amphidromous species such as Arctic cisco, lake whitefish, and broad whitefish appear to feed in the area while moving along the coast.
- Based on information obtained from residents of Kugluktuk it was anticipated that capelin could be spawning in the vicinity of the proposed development. Apparently, capelin and capelin eggs are often observed along the shore, which implies spawning use. The field biologist and assistants did not observe any concentrations of capelin in the area during the two field sessions. However, capelin eggs were noted in a broad

whitefish stomach examined on 21 July. This individual was eastbound when captured in the fyke net, indicating that spawning occurred to the west of the proposed site. RL&L (1993) recorded a concentration of capelin in spawning condition during a three day period in July 1993 (20 to 22 July). These individuals were captured in a fyke net identical to the unit used in the present study; the net was set in shallow water (<1.5 m deep) over gravel substrate in a protected bay approximately 19 km east of Coppermine. Based on the timing of spawning in 1993, and the absence of capelin in the catch in this study, it appears that capelin did not spawn in the proposed development area this year. It may be that the area is unsuitable for capelin spawning due to the requirement for a gravel bottom.

- According to local residents, the proposed development area is frozen to the bottom during the majority of the year (October to May). As such, the area has no value as overwintering habitat for marine species residing in Coronation Gulf. It is assumed that freshwater (e.g., Arctic grayling) and amphidromous (e.g., Arctic char) species encountered in the area during the summer and fall overwinter in the Coppermine River.

- Based on our fish capture results, habitat data collected and field observations, it appears that the area within the footprint of the proposed development does not support critical life requisite activities (spawning, overwintering). This conclusion is not meant to downplay the importance of the seasonal feeding, rearing and movement corridor habitat functions. However, these functions are generally less restricted in terms of habitat availability.

9.2.3 Habitat Changes within Breakwater Aquatorium

- The area within the aquatorium was estimated at 53 120 m^2, or approximately 0.05 km^2 (based on average distance of 166 m from shoreline to shoreside perimeter of breakwater and straight line length of breakwater of 320 m).
- The breakwater will result in reduced wave action within the aquatorium (protected area between the breakwater and the shoreline) and may result in an increased deposition of fine grained sediments in the area. This will, however, depend upon local sediment sources on the shoreline up-coast and down-coast of the structure. The reduced wave action may affect water temperature and salinity levels in the area due to a reduction in the level of agitation. However, there is likely to be considerable water exchange due to the river inflow which will temper these changes.
- There may be short term changes in water quality due to fuel spillage from the tug/barge unloading etc; as such, there is potential for build-up of hydrocarbons in sediments. However, there is likely to be considerable water exchange at the site even

with the breakwater in place (i.e., due to river inflow and wind driven currents) which would have a positive flushing effect.

- It is possible that water depth within the aquatorium may be affected by the reduced wave exposure, although the effects on fish habitat suitability cannot be predicted with any certainty.
- There is also a potential for the temperature and salinity regime within the aquatorium to be influenced by the breakwater (i.e., higher water temperatures and lower salinities due to the reduced incursion of sea water during windy periods). While these conditions would be favorable for many species (Arctic char, broad whitefish, Arctic grayling etc.) they would likely persist only for a short duration.

Conclusion: While there are likely to be some changes in the protected area behind the breakwater they are not expected to adversely affect fish use of the area. It is possible that conditions for feeding and rearing may improve within the aquatorium because of the reduced wave action, although this is likely to be a species-specific response (i.e., some species benefiting others adversely affected). It is unlikely that the fish will be deterred from moving through the area due to habitat changes. The presence of offloading barges at the site may influence the utilization in the aquatorium, but the response is likely to be species specific and temporary (i.e., barges in place for 15 to 20 days per year).

9.2.4 Relationship to Existing Sewage Effluent

- The sewage effluent for the community enters the bay approximately 1.2 km north west of the proposed docking facility. The effluent is carried in a small inflow stream which drains a nearby sewage lagoon. The likelihood that sewage constituents would contaminate the development site is very small due to the direction of prevailing winds and the presence of an east to west current associated with the Coppermine River inflow.
- This conclusion is supported by the coliform bacteria results for the water column and sediments at the proposed site. Fecal coliform counts for the water and sediment sample were: <1 CFU/100 mL and 0 MPNU/gm, respectively. These values indicate no significant presence or accumulation of sewage-related bacteria at the sample location.

Conclusion: It appears that there is no relationship between the existing sewage inflow and the proposed docking facility. As such, there should be no concern with respect to contamination of fish and other aquatic life in the vicinity of the proposed docking facility.

9.2.5 Habitat Associated With Proposed Causeway and Breakwater Structures

- The rip-rapped slopes of the breakwater and the causeway will increase habitat diversity in the area. Rocky shoreline is very limited along the coast west of the Coppermine River. There is a section of rocky shoreline just east of the site (approximately 500 m in length). This compares to approximately 7 km of gradually sloping, sand beach shoreline in the remainder.
- Gill nets were set in both types of habitat to determine any differences in fish species composition and relative abundance between the two types of shoreline. The results indicated that there was very little difference in fish species distribution and relative abundance between the two types of habitat; however, this conclusion is based on limited sampling. There was some evidence of greater use of the rock shoreline by adult Arctic char, but the slightly higher catches at this site may have been because this site was located closer to the west outflow channel of the Coppermine River.
- The structures will provide two very different types of habitat. The seaside of the breakwater will be characterized by wind and wave exposure and large-sized blasted rock for additional armoring purposes. In contrast, the shoreline side slope of the breakwater and the side slopes of the causeway will feature limited wind and wave exposure. There may also be some differences, at the microhabitat level, between the east and west margins of the causeway due to the current velocities associated with the Coppermine River inflow and in response to the prevailing winds.
- Although it is very difficult to predict the future use of these newly formed habitats, it is likely that the microhabitats provided amongst the rock armor will be used by a wide range of fish species, and various life stages. This could include immature age classes of the various whitefish species (e.g., Arctic cisco, lake whitefish) and adult saffron cod who are attracted to the area in response to the increased availability of prey items such as juvenile Arctic cisco. The breakwater may provide suitable feeding/holding habitat for Arctic char during their seasonal migrations along the nearshore coastal zone. The areas situated off the east and west tips of the breakwater structure may provide relatively unique habitat for certain species (i.e., Arctic char) due to the presence of localized backwater effects (under certain wind and tide conditions).
- Although studies have not been conducted on the fish use of other breakwaters recently constructed in Nunavut, apparently they have increased the numbers of fish in the immediate area of the structure (Pers. Comm. Jivkov, 2002).
- It is anticipated that the habitat situated adjacent to the breakwater and, to a lesser extent, the causeway will increase fishing opportunities during the summer (i.e., possible attraction to the site of valued fish species such as Arctic char, and protection from the wind and wave action).

Conclusion: Development at the site will result in a loss of shallow, sand-bottomed nearshore habitat. However, this will be partially replaced by the rip-rapped sideslopes of the breakwater and causeway. Since this type of habitat is not widely available in the immediate area, the development will increase habitat diversity.

9.3 Availability of Alternate Habitats

- Based on results (review of bathymetry data prepared by Coast Guard, bathymetry transect data, gillnet data and underwater surveillance observations collected outside the boundaries of the development) and results obtained during the community consultation process, it appears that nearshore habitat similar to that at the proposed development site occurs extensively along the adjacent coastline. We assume that the nearshore zone extending 6.7 km east and 0.8 km west out to a depth of 2.0 m (i.e., area contained within the 2.0 m contour interval) is essentially similar (i.e., same depth, same substrate, same wind fetch). There may be some differences in salinity and temperature as you proceed further west, due to a reduced contribution of fresh water from Coppermine River. However, there appears to be considerable variability in these parameters at present throughout the area (hourly, daily, and seasonally) due to changing river flows, variable wind speeds, and directions and tidal influences. It is speculated then, that conditions adjacent to the development area are similar to those at the construction site.
- The area within the 2.0 m contour interval is 1.98 km^2. The physical footprint (causeway and breakwater) is 6200 m^2 or 0.006 km^2, which represents 0.3% of the total area of similar habitat.
- If the aquatorium is included as a loss (i.e., an additional 0.05 km^2), the project would affect 0.06 km^2 (approximately 3%) of the total available similar habitat.

Conclusion: The loss of the area associated with the footprint and aquatorium would not appear to be a serious concern due to the wide availability of similar habitat in the area.

9.4 Impact of Previous Arctic Causeway Developments

- Solid fill causeways have been constructed along the coastline of the Beaufort Sea (Prudhoe Bay, Alaska) as part of the development of hydrocarbon resources. Wilson and Gallaway (1997) provided an excellent summary of the developments, the environmental review process and the results to date of the long term monitoring programs which extended over approximately 20 years. The West Dock Causeway was built in 1974 and 1975 for deepwater barge access; it was lengthened in 1976 and again in 1981 (total length of 4.3 km). A 50 m breach was constructed 2880 m offshore; this opening was expanded to 200 m in 1995.

The Endicott Causeway, which was constructed in 1985, is 8 km in length and connected two artificial islands that support oilfield development. The Endicott Causeway currently has three breaches, totaling 410 m in length (i.e., a third breach, 200 m in length was added 1993 to 1994). Both causeways extend more or less perpendicular from the shoreline into offshore coastal waters. As such, there has been considerable concern with respect to the possible effects of the causeways (i.e., changes in temperature, salinity etc.) on migratory fish (e.g., Arctic cisco, broad whitefish) utilizing the nearshore migration corridor (from shore out to the 2-m isobath).

- Wilson and Gallaway (1997) report in their synthesis document, that based on available research information (relating particularly to the Endicott Causeway), causeways have not resulted in a substantial impact on fish habitat and populations. Following are some direct quotes which better describe the environmental assessment process followed and results obtained.

> "Given these and other observations, we conclude that there are no appreciable effects of the Prudhoe Bay causeways on the summer feeding dispersal of small coregonid fish from the Colville River.
>
> All of the evidence agrees with the conclusion that migrations of large coregonid fish are not affected by either of the area causeways. There also is no evidence to support the contention that the fish moving through the Prudhoe Bay region are subjected to a higher exposure to stressful conditions than in other regions (see Bryan and Fechhelm 1997, this volume)."

> "Pronounced causeway effects on fish habitat are restricted to the areas in the immediate vicinity of the causeways, and these areas are avoided by the fish (Gallaway *et al.* 1991) Such events occur about one to five times during summer, with most occurring near the end of summer, after most of the fish have already left the area. Although significant reductions in temperature have occurred in more-nearshore areas west of the Endicott Causeway, they are small and have not had significant effects on the populations."

> "The synthesis effort also has shown that the controversy regarding causeway effects on coastal habitat and fish populations in northern Alaska has largely resulted from a poor understanding of both the biology of these fish and of the coastal oceanography. The initial approach followed by regulatory groups who had oversight responsibilities for evaluating the causeway developments had been to protect habitat, based on the premise that if the habitat is reduced, declines in the fish populations will ultimately follow (Hachmeister *et al.* 1991) However, more issue-based, focused investigations have shown that the summer habitat is normally not at capacity because of the limiting features of winter habitat relative to summer habitat.

> Furthermore, the net effect of causeways on summer habitat has been to increase locally the variability in temperature and salinity. However, the extremes are not affected and are within the limits naturally experienced by the fish. The fish are well adapted to contend with this type of environmental uncertainty (Johnson 1976, 1981, 1983; Craig 1989)."
>
> "The synthesis process has also led us to believe that population parameters (e.g., population level and structure, and growth) are sensitive to habitat change and are well suited to address effects of habitat reduction. We concur with Robertson (1991) that impact predictions may be appropriately based on expected changes to habitat, but impact assessments are best made by study of the populations involved. However, long-term studies are necessary, particularly in the Arctic, to observe how the populations vary over time and to determine the key factors that govern the dynamics."
>
> "In essence, we believe that available information is adequate to determine that the effects of the Endicott Causeway on anadromous fish habitat and populations probably are not substantial."

Conclusion: The causeways in Alaska have apparently not measurably harmed the fish populations inhabiting the coastal region and estuaries in the Beaufort Sea. Many of the fish species they investigated are similar to the types being considered in the present study (Arctic cisco, broad whitefish etc.). The two causeways also project into the nearshore migration corridor, but are much more extensive (i.e., 4.3 km and 8 km in length) than the proposed causeway in Coronation Gulf (i.e., 60 m in length). This would seem to indicate that any effects on movements would be proportionately less.

9.5 Fisheries Benefits from De-commissioning of Present Facility

- The present barge off-loading site is located on the perimeter of the west (main) outflow channel of the Coppermine River at its point of entry into Coronation Gulf. The facility, which is situated directly within the community of Kugluktuk, consists of a wooden pier imbedded into the river bank and extending approximately 5 m into the flowing channel. Due to the shallow conditions at the present location, considerable disturbance of the river bed occurs when the tug enters the shallow access channel (1.5 km in length) and positions the barges adjacent to the pier (Pers. Comm. Jivko Jivkov). Disturbance also occurs when the barges are removed from the landing site. In addition to the physical disturbance of the river bed in the immediate vicinity of the landing, there is also a concern related to increased suspended sediment. Elevated suspended sediment levels, caused by barge operations, have been observed to extend for a considerable distance into the Coppermine River delta and estuary. Although no specific data were obtained with respect to the use of this affected habitat by fish, the area is located within the major migration corridor for

fish leaving and entering the Coppermine River. During the current year, barge traffic (five tug/barge units) occurred during a period with defined fish migrations into the river (i.e., returning Arctic char, lake whitefish, broad whitefish etc). A similar situation would occur each year due to the short transportation season and the relatively fixed fish movement schedules in the area. While these habitat disturbances are relatively short term, the associated negative effects cannot be discounted.

- Because the proposed site is also situated in relatively shallow water, some disturbance to the seabed from the propeller wash can be expected. Apparently the shallow approach section at the proposed site will be approximately 300 m in length, compared to 1.5 km for the existing site (Pers. Comm. Jivko Jivkov). Disturbance to the seabed at the proposed site, due to the presence of considerable fine-textured material, will also result in a short term increase in suspended sediment. However, because of the proposed placement of the facility approximately 1.5 km from the present barge landing and entry point of the west channel, there will be a much reduced tendency for the sediment to be transported beyond the immediate area of the barge facility.
- A major fisheries benefit associated with moving the facility further away from the Coppermine River confluence would be the risk of experiencing a serious pollution and fisheries incident (i.e., at the proposed location, containment and clean-up could be expedited more rapidly and effectively).
- Based on the configuration of the present facility (small pier with minimal extension into the channel) there would appear to be little benefit to removing the structure from a fisheries standpoint (minimal habitat reclaimed).

Conclusion: Based on the above information, it is evident that re-locating the barge facility would result in considerable habitat and fisheries benefits.

10.0 MEETING DFO REQUIREMENTS OF PROJECT

The accounting to determine that the project will meet the "no net loss of productive fish habitat" objective specified by Department of Fisheries and Oceans (DFO) requires consideration of a range of gains and losses. Some of the gains/losses are readily quantifiable (e.g., footprint of breakwater) while others are difficult, often impossible, to quantify (e.g., reduced risk from an accidental spill of diesel fuel). The challenge in this instance is to blend the various parameters of change into a fair and meaningful scheme. Following are what we consider, and understand to be (i.e., based on our findings and information obtained during community consultation), the major gains and losses associated with the development and the net result with respect to the "no net loss" issue and the need, if any, for compensation.

10.1 Habitat Alteration and Losses

- Loss of 6200 m^2 of shallow, nearshore habitat resulting from the footprint of the breakwater (5000 m^2) and the causeway/hammerhead (1200 m^2). This habitat is used for adult feeding and rearing by 18 species of fish, including amphidromous, marine and freshwater groups. Although the footprint area is undoubtedly providing useable fish habitat, this type of habitat is widely available along the coastal region of the bay. According to our estimates, which are based on a synoptic level of field data, the area within the combined footprint represents 0.3% of the similar habitat available in the area.
- Alteration of habitat (depth, salinity, water quality) within the aquatorium may occur due to the changes in wave exposure, altered river inflow patterns, and accidental release of fuels and lubricants. In the worst case scenario (i.e., complete loss of productive habitat in the aquatorium) the development would result in a loss of 0.05 km^2 in addition to the habitat lost under the "footprint". In total, this would represent a loss of 3% of the similar habitat available in the area. It is very difficult to predict the type and quality of habitat that will develop in the protected area over the short and long term. However, it is unlikely that the "worst case" would ever occur. In fact, it is possible that the habitat value of the aquatorium may be enhanced due to its protection from wave action.
- The present study recorded defined fish movements in the nearshore zone at the site of the proposed development. Over four thousand fish were captured in the directional fyke nets during the two survey periods. It is evident then, that the causeway, which will extend approximately 60 m offshore, will intercept fish moving along the coast. However, the fact that the fish were captured in the fyke net hoop traps, which are located at the offshore end of the assembly, indicates that the fish are leading along the block nets (extending perpendicular out from shore) towards deeper

water before entering. It follows then, that had the traps not been in place, the fish would have been free to swim around the trap assembly. It is our belief that encountering a relatively short causeway would cause fish to respond in a similar way (i.e., follow along the perimeter of the structure to its offshore terminus and proceed to swim around it). It should also be pointed out that only a portion of the movements may be intercepted by the causeway (i.e., the portion that moves close to shore). Similar habitat extends out from shore for a considerable distance beyond the breakwater (i.e., out to at least the 2 m contour interval, 375 m offshore at the proposed development site).

10.2 Habitat Alteration and Gains

- The portion of the rip-rapped side slopes of the breakwater and the causeway structures that are located below water at Low Normal Tide will provide fish habitat. The breakwater will provide approximately 1000 m^2 of habitat; the causeway will provide an additional 200 m^2 (approximately) of habitat (i.e., total of 1200 m^2 of side slope area). While a gain of 1200 m^2 represents only approximately 20% of the habitat lost from the footprint, the type of habitat developed would be very unique in the project area. As such, it would result in increased habitat diversity. Although it is difficult to predict what species or life stages of fish will benefit from the addition of this habitat, based on some limited data we were able to collect in this study, the rip-rapped side slopes may be attractive feeding/holding habitat for Arctic char (i.e., based on capture of a few Arctic char along a naturally occurring section of rocky shoreline). In a "no net loss" scheme relying solely on square metres gained and lost there could be a case for applying a multiplier (i.e., one square metre of sideslope equals several square metres of shallow, sand bottom area). Unfortunately there does not appear to be any systematic, scientific means of doing so.
- De-commissioning the present barge docking facility would result in a gain of approximately 25 m^2 associated with the removal of the wooden dock which extends slightly into the Coppermine River at its point of entry into Coronation Gulf. While any habitat gain should be considered worthwhile, the gain in this instance is very small in relation to the overall physical habitat losses. As such, consideration could be given to leaving it in place as a docking facility for local boaters. This assumes that the community favors retaining the existing structure.
- The most significant fisheries gain associated with the re-location will be the reduced risk of damage from an accidental spill of diesel fuel. If a major spill event were to occur at the present site, which is located directly on the major inflow channel, it would be very difficult to contain before the material became widely distributed into the Coppermine River estuary and into the Coronation Gulf. In contrast, a spill at the new facility would disperse less readily and would be much easier to contain and

clean up. The potential for a spill and concerns related to the ability to clean it up in an effective and safe manner is a key concern of the community.

- There also would be gains associated with removing the temporary disturbances to the river bed and the short term infusions of sediment during the barge landing and departures from the mouth of the Coppermine River. The impact of these events on fish habitat is unknown, however, it would seem to be beneficial to move these impacts away from the Coppermine River mouth which is essentially a funnel for fish moving in and out of the river. Many of these movements are peaking during the late summer and early fall when the barge deliveries are occurring.

11.0 COMPENSATION REQUIREMENTS AND OPTIONS

Based on a review of the various gains and losses described in the preceding section, it is our opinion that the fisheries benefits resulting from the re-location of the barge facility in Kugluktuk will outweigh any adverse effects that result from the construction and operation of the new facility. This being the case, there would not appear to be any requirement for compensation to meet a shortfall in meeting the "no net loss" objectives of Department of Fisheries and Oceans.

It is important to point out that our assessment was based strictly on habitat and fisheries related issues documented through the collection of scientific data and Inuit Qaujimajatuqangit. No attempt was made to integrate social issues, such as the desire of the community to see the facility re-located, into the assessment, although they are clearly of major importance.

12.0 CLOSURE

We trust that the above information meets your present requirements. Should you have any questions or require any additional information, please contact the undersigned.

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PHOTOGRAPHIC PLATES

Plate 1 *July 2002.* Location of Proposed marine breakwater and docking facility at Kugluktuk, Nunavut. Note: Access road and staging area under construction.

Plate 2 *July 2002.* Existing docking facility located at the mouth of the Coppermine River in Kugluktuk, Nunavut. Note: Coronation Gulf in the background.

Plate 3 *July 2002.* Coppermine River, looking upstream from vicinity of Kugluktuk water intake.

Plate 4 *July 2002.* Coppermine River, looking upstream towards Bloody Falls.

Plate 5 *August 2002.* Barges (3) unloading at present docking facility in Kugluktuk, Nunavut. Mouth of Coppermine River in foreground.

Plate 6 *August 2002.* Unloading of barges in Kugluktuk, Nunavut.

Plate 7 *August 2002.* Pusher-towing tug, Jock McNiven, anchored off docking facility at Kugluktuk, Nunavut.

Plate 8 *August 2002.* Jock McNiven after departing from dock at Kugluktuk, Nunavut.

Plate 9 *July 2002.* View of Kugluktuk, Nunavut looking north towards Coronation Gulf.

Plate 10 *July 2002.* Meeting with community elders to obtain Inuit Quajimajatuqangit (Traditional Knowledge) on fisheries.

Plate 11 *July 2002.* Meeting with residents of Kugluktuk to obtain information on fish use and concerns.

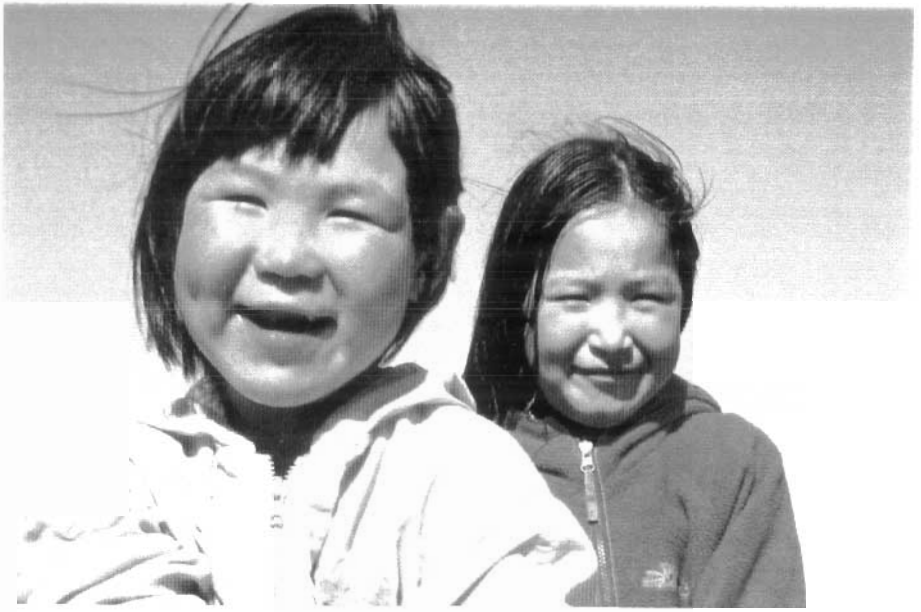


Plate 12 *July 2002.* Young residents of Kugluktuk, Nunavut.

Plate 13 *July 2002.* Arctic fyke net installed at the site of the proposed docking facility; looking north into Coronation Gulf.

Plate 14 *July 2002.* Arctic fyke net in position at the site of the proposed docking facility.

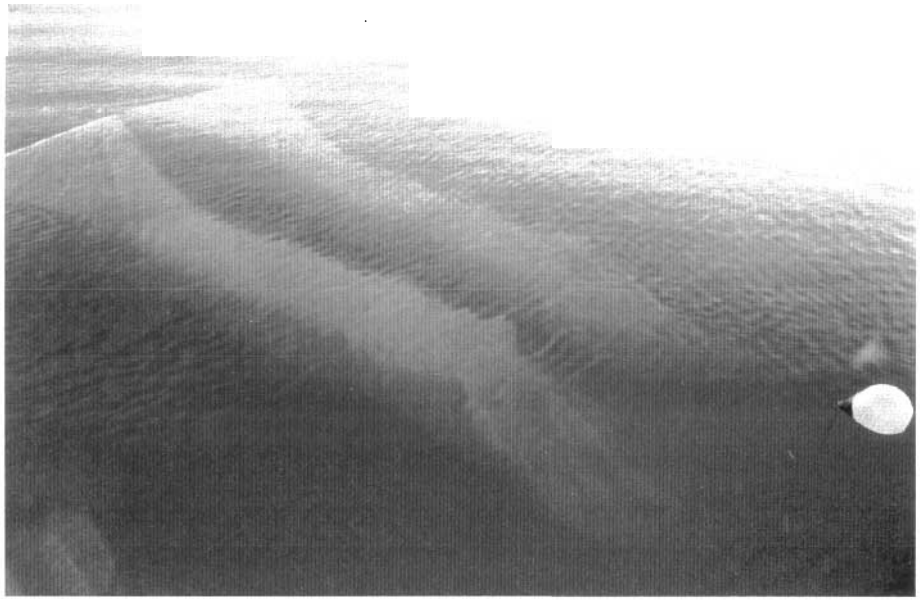


Plate 15 *July 2002.* View of the two traps (for eastbound and westbound fish) at the offshore end of the Arctic fyke net.

Plate 16 *July 2002.* Isaac Klengenberg of Kugluktuk releasing an Arctic char captured in the fyke net. Note: the plastic tag inserted below the dorsal fin to track fish movements.

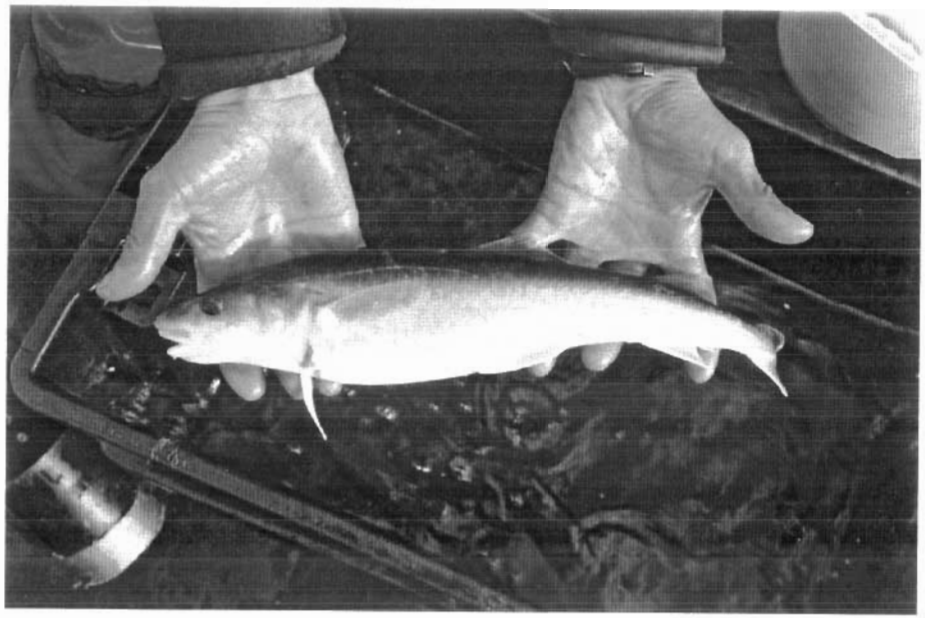


Plate 17 Saffron cod (Huiryuktuk), also locally known as "yellow cod"; they are abundant in the area of the proposed facility.

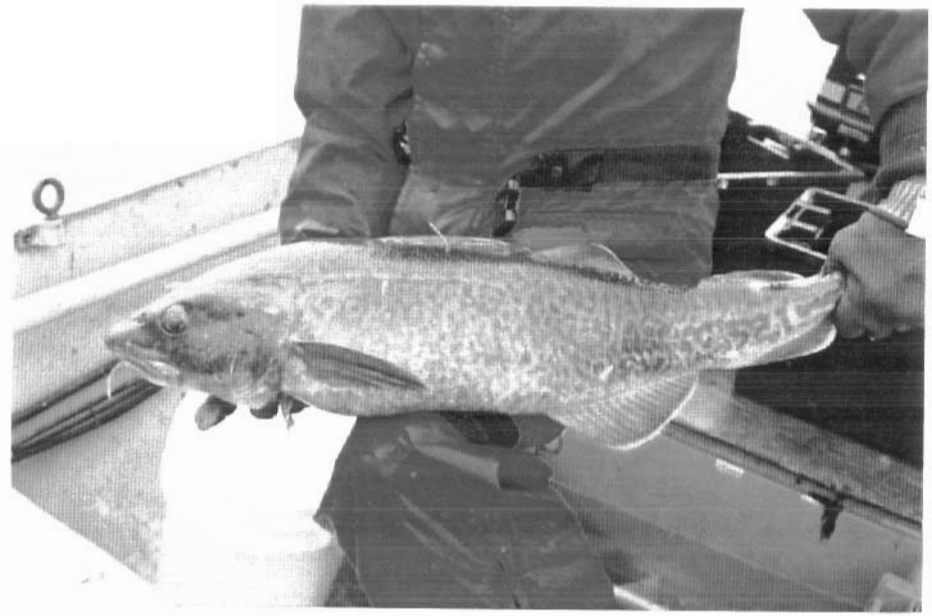


Plate 18 Greenland cod (Ogak), also locally known as "brown cod" or "tom cod". Captured only occasionally in the area of the proposed facility.

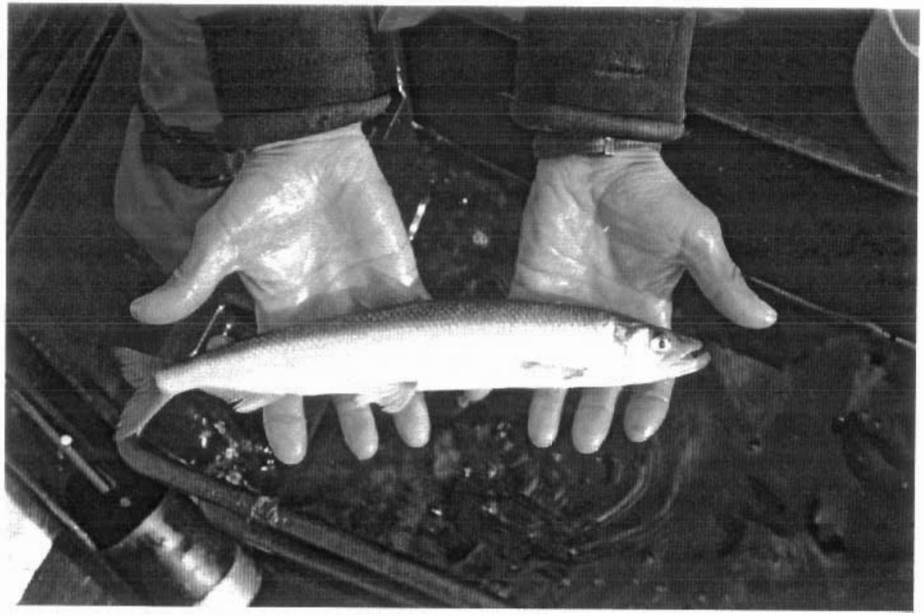


Plate 19 Rainbow smelt; common in the area of the proposed facility.

Plate 20 Pacific herring; captured occasionally in the area of the proposed facility.

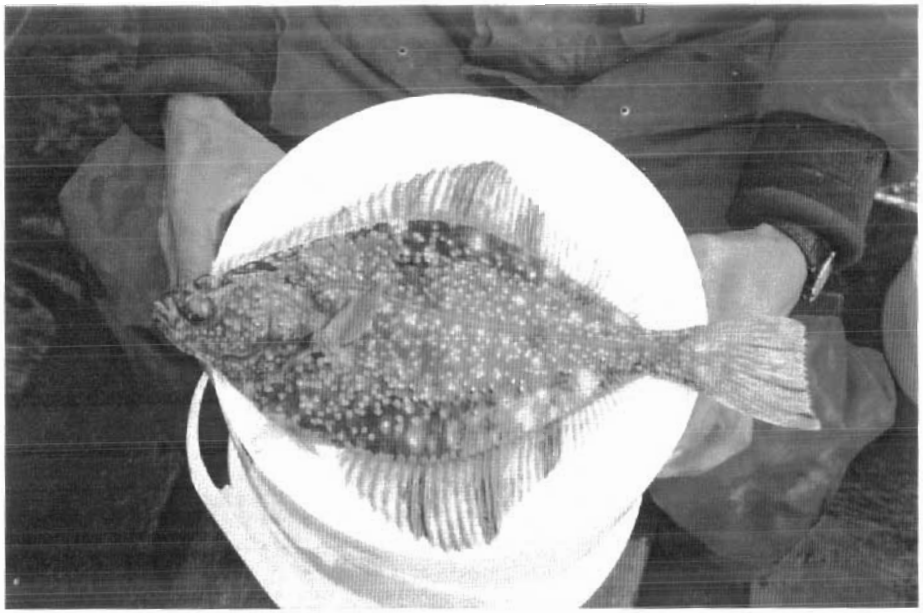


Plate 21 Starry flounder, one of three species of "flatfish" (Natarnaq) in the area of the proposed facility. Note: the presence of the eyes on left side of fish and striped fins.

Plate 22 Arctic flounder, one of the "flatfish" (Natarnaq) in the area of the proposed facility. Note: the presence of the eyes on the right side of the fish.

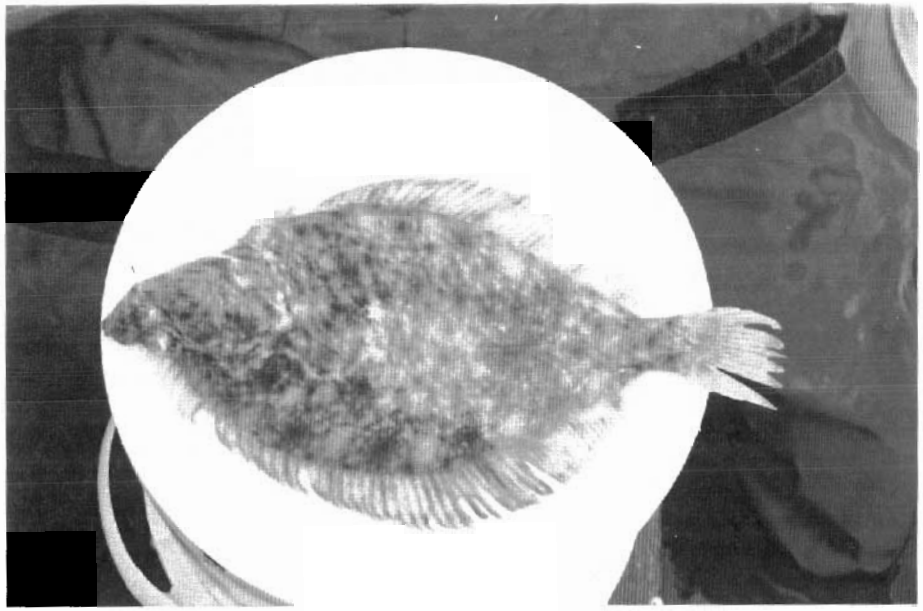


Plate 23 Longhead dab, the third type of "flatfish" (Natarnaq) recorded at the breakwater site. Note: the elongated head; captured only occasionally.

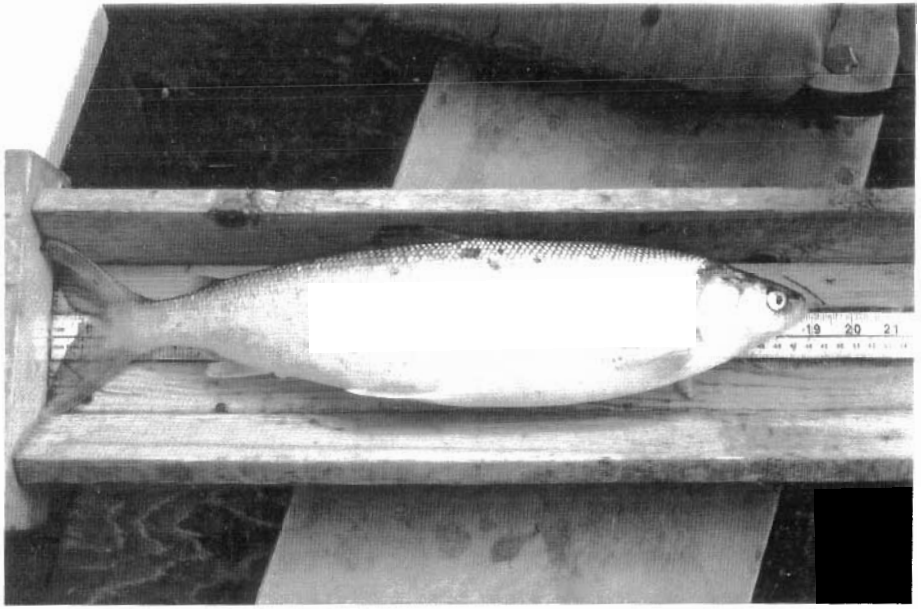


Plate 24 Arctic cisco, (Kapahilik). A common fish species in the area of the proposed docking facility.

APPENDIX A

COMMUNITY CONSULTATION AND INUIT QAUJIMAJATUQANGIT

Meeting with Kugluktuk Fishers: Bobby Algona and Isaac Klengenberg
Interview by Natasha Thorpe, Golder Associates
for the Study of Fisheries Impacts of the Proposed Marine Docking Facility
Interview at the Kugluktuk Angoniatit Association
July 16, 2002, 2:30-3:45

Bobby Algona = BA
Isaac Klengenberg = IK
Natasha Thorpe = NT

Note: Consent forms were read aloud and signed; number designations (1-11) correspond to locations shown on Figure A-1

Names of Local Fish

BA: You cannot kill them over the head like a regular fish. Got to get them on the tail. I have never seen one before.

Sandy Buchan, Government of Nunavut: I think that they eat those mussels. That is why they can bite so hard to crush those shells.

IK: Did you check the stomach?

SB: Josh was looking at it.

IK: Wolf fish is *agkoahak*.

BA: Means Old Lady.

NT: What about whitefish? Sandy Buchan was saying that the whitefish are called etok in Taloyoak.

BA: Whitefish are *kapihilik* in the Kitikmeot region. *Kingalik* is another name.

IK: Broad whitefish is *anakiak*. Big scales. All different shapes. Fat ones, round and small head. All kinds of names for whitefish.

BA: We get those mostly up at the [Bloody] falls. Lots up at the falls.

IK: Lots also at the First Point (Ikahavik) too. Caught them in the fish net.

BA: Saffron cod is *hiuriyuktuq*.

BA: Capelin are *angmagiak*.

NT: There are different flounders in area. Do Inuit call these different names?

IK: Same names. Flounders are *natarnaq*. Same name for all of them.

BA: Some of them are really scaly.

IK: Just like a big bull.

NT: What are the life stage names for fish?

BA: Start out from eggs. Start out as *huvuk*. After they spawn they are called *iqalugak*. From there we just call them *iqaluk*.

NT: I have had *huvuk* from *iqalukpik*. Do you eat other *huvuk*?
BA: White fish. Lake trout.
IK: White bellied fish. *Uvitauq*. And whitefish, *kapihilik*.

NT: Which huvuk tastes the best?
IK: Whitefish. Best in the lake.
BA: Everybody has their preferences. We eat a lot of those and Contwoyto too, a lot of red belly char, but they're not as oily. They're almost like lake trout, a little bit different.
IK: From the fresh water.

NT: Those char that spent time in fresh water must taste different than the char from the ocean.
BA: They are very different.
IK: From the salt.
BA: The meat is more oily. The fish down here are more oily.
IK: The ones that have spent time in the ocean get fat.

NT: Can you share any legends or stories about fish? What about *pitquhiit* (culture, rules) surrounding fish?
BA: Nauna. Cannot think of any.
IK: Nope.

NT: What sort of changes in the fisheries have you observed in your lifetime?
BA: For myself, being away from Kugluktuk more often, the whole system is quite different. Even up at the falls, it is quite different now.
IK: I used to see the old Coppermine boat, used to be an RCMP boat, that wooden boat. I used go up to the falls when I was a kid. Pick up some fish. The river used to be really deep, but now you can't go up in a big boat.
BA: Water is more murky now being so shallow compared to long ago.
IK: Getting more muddy every year. Water is getting low anywhere.
BA: Noticed it becoming more shallow a couple of years ago. Water is getting low. I have noticed even back home at Pellat lake, too. Waters are really fluctuating from year to year. Like 4 or 5 years ago, the water was so low, my dock was right out of the water. A couple of years ago the shoreline was all brand new. There was so much water.
IK: Even at Klengenberg Bay [west of Kugluktuk], the beach is all different, really changed. We got there about 1960, 1963, there was a little bay, really deep, big drop. Right now it's flat, no more water It is only about a couple of feet , maybe 3 feet, all the way down. Used to be really deep. Can't see the bottom right from the shore when we got there around 1960. Now, all the way out there you can see the bottom. There used to be a little point but it is all gone.
BA: This is what the elders were talking about, the shoreline too.

Nat: I wonder why this is happening?
BA: I guess it's the sand and beach. The waves just washed it out.
IK: A little more time and all the beach is going to be long. All that beach is going to be built up with sand. Going further out.

NT: Hearing this, I wonder how long the proposed barge will last?
IK: They will always have to build the barge site further out.
BA: That berm [breakwater], will have to build over that berm, too.
IK: That should work pretty good after they build it up now. Should be a big help.
BA: At least get it right out of the community.
IK: Now the barge gets stuck in the water because of low water. Hard time turning. Fish flying all over the place in the back of the boat. It will be a lot easier for the boats when they have a better landing.
BA: In the 1970s when I first starting coming here the barge would come right in here, no problem. They started having trouble last few years.
IK: Last 3-4 years. About 5-6 years ago the barge got stuck and lost a prop.
BA: Prop got stuck. That is just it. The barge is fighting that sand bar all the time. It is an accident waiting to happen there.

NT: What about some of the Inuinnaqtun place names for local areas?
IK: Tikigak [Mackenzie Point] (1).
BA: Means 'Point' (Like with your index finger)..
IK: Ikahavik [Gurling Point] (2).
BA: Means 'casting point' or 'casting for fish point'.
IK: Kakotalik [Blaze Island] (3). It means 'white stripe'.
BA: Means 'has something white on it'.
IK: On that cliff there is a white strip.
IK: Olisivik (4) is Five Mile Island. They used to dog team race. Go from Kugluktuk to the Island, turn around come back.
BA: Go around this Island.
BA: That little island means 'has a tower' (5). Napagailik.
IK: Kikitahokyok (6)means 'big island'. They have all the Eskimo names. I wonder why they never put them on here.
IK: Naoyak [part of Couper Islands] (7)means seagull.
BA: Means 'baby seagull'.
IK: The name Aigatot (8) includes two adjacent islands.
BA: Means 'where you go to'. Place where you go.
IK: Maligot (9). That is where we worked on the fish last time, in 1993. It means a place name means 'lots of trees'.
BA: Means 'lots of bush'.
IK: Onitkok(10) means 'rest place'.
BA: Have a rest for awhile.
IK: Resting island.
BA: Have a rest for awhile.

IK: I would say that the fish at Maligot would be same as Kugluktuk. Same fish travelling back and forth, early spring, and fall time.

BA: Migrating. August is the best time for fishing.
IK: Late August.
BA: Water not as murky as now.
IK: Fish are running at Maligot this week. Our cabin is there. Set the nets and 20 minutes later, pull them off right away.

NT: Any change in the timing of when the char run?
IK: In Kugluktuk River, they start going up in late August. Every fall time, fish go up river in August, middle of August. Never changes when the fish are running. They go down river as soon as the ice breaks up. Depends on water temperature when fish make their way up river.
NT: This was a late spring, but did that change when the fish came down?
IK: When the ice goes earlier, the fish come down earlier. They stay up river until break up and then come down.
BA: Just depends on what time the ice breaks up. Same thing again when it is freezing. Freeze up at different times of the year. Different times to start putting nets out.
NT: Then do char stay in the ocean a little longer if freeze up comes later?
IK: I do not think so. They know when to start going up the river. They know what time they have to go. They are smart. From the cold water.
BA: They know from the water. Salt and fresh water makes a big difference. It is just the same as caribou. They migrate to the same area. Smell has an effect.

NT: Changes in the way that people fish in the last 20 years? Numbers? Frequency? Types? From when you were a kid
IK: Fish population was going down in Kugluktuk for the last couple of years. The HTO and Wildlife people set up a policy for using 51/2 sized net and the population went up again. People were using all kinds of nets before. Small nets. That was the reason the numbers were going down. Now it is good.
BA: Last couple years been really warm, not as cold winters and fall, tended to melt all at once, very quickly. Fish do not move very much in warm weather. Stay in the bottom. Where it is cool. In the fall, more noticeable. After freeze up, really cold day, you catch many fish. Next day, warms up, and you catch 1 or 2 fish. They stay put on mild days.
IK: Fish not running around in warm water. Just like mild days when ice fishing. Just like no fish biting. When it gets really cold, the fish start biting.
BA: There are very mild days. Not a good day to go fishing. Early morning is best times to go fishing compared to middle of the day. afternoon.

NT: Do people use *kakivaks* (fish spears) anymore?
IK: Not so much.
BA: We do, for those whitefish. Kids make their own out of rods from mines, fiberglass rods, tape them up so they do not get fiberglass slivers. Even make them from copper pipes.
IK: Made of muskox and caribou in the old days.
BA: Anything works.
BA: Used to make fish hooks from caribou antlers.
IK: Used to have hooks made out of copper.

BA: Any kinds of metals. Over the years, dog teams are gone so they do not fish as much as they used to long ago. Even for myself, even at Pellat Lake, I do not use fish net much anymore. Jig on the ice or use my rod.

BA: We always wondered if there is a hole in Iqalulialuk [Island just west of the community of Umingmaktuuk] down through the middle to the ocean. I wonder.
IK: Fish go up in the springtime when there is more water in the creek. Early spring.
BA: But how do they get out? How do they get over the mountain?
IK: They must fly from the ocean! [laughter]

NT: Are there any fish that spawn in that bay where the proposed barge site is?
IK: The capelin, they just pass through. I do not know if they spawn there.
BA: Hard to say.
IK: You could see them all over the beach. See eggs all over the beach. Must grow in the sand, I do not know.

NT: Some people say capelin are important because there are so many other fish that…
BA: [interrupts] depend on them, feed on them also.
IK: Important for seals too.
BA: Lots of seals past the sand bar.
IK: Past the sand bar.
BA: Even have some come right up the river.
IK: In September when there are lots of *angmuriaks* (capelin), there are seals all over the place.
BA: About three years ago, they got half way up to the falls.
IK: Seals found in fish nets right up here, near the bend in the river called Onoagahiovik (11).

BA: Translates as 'night-time fishing'.
NT: Are capelin plentiful in the fall or just the herring?
BA: All summer, eh?
IK: Late again, they are going to be further out.
BA: Deeper water.
IK: When the water is getting colder they do not stay on the beach. That is how come it is just like they are all gone.
BA: They just go to deeper water.

THE END

DRAFT

Meeting with Kugluktuk Elders and Fishers:

Aimee Ahegona, Bobby Algona, Alice Anablak, Alice Ayalik, Peter Kamingoak and Isaac Klengenberg

Interview by Natasha Thorpe, Golder Associates, and Donald Havioyak, MLA for the Study of Fisheries Impacts of the Proposed Marine Docking Facility
Interview at the Kugluktuk Angoniatit Association
July 16, 2002: 10:00-12:30

Aimee Ahegona = AA
Alice Anablak = AN
Alice Ayalik = AY
Bobby Algona = BA
Isaac Klengenberg = IK
Donald Havioyak = DH
Natasha Thorpe = NT
Jim O'Neil = JO
Question = Q

Note that number designations "[1]" correspond to Figure A-2

Consent forms read aloud (by Donald Havioyak), reviewed, and signed.

NT. Lets go through the various fish names for fish of this area.

AA: There are different fish but we don't know all the names for these fish.

Following a general discussion, the following names were presented.

Common Name	Old Inuinnaqtun Name
Arctic Char	Iqalukpik
Arctic Grayling	Hulukpauyuq/Holukpaogak
Broad Whitefish	Anakiak
Capelin	Angmagiak
Flounders/Flat Fish	Natarnaq
Northern Pike	Hiulik
Lake Trout	Ehook
Lake Whitefish	Kapihilik
Longhead Dab	Natarnaq
Pacific Sand Lance	Inagayak
Sculpin (Bullhead)	Kaniyuk
Longnose Suckers	Milogiak
White Sucker	Kingalik
Wolf-fish	Agkoahak
Yellow Cod/Saffron Cod	Huiryuktuk

AA: There is one like a *kapihilik* but it has larger scales. You can smell it. Like a herring. *Kapihilik* is blue herring.

PK: The government do not want us to start anything. That is what I expect already. In the past, people use to fish up to the ice. Lot of fish in the past. Usually we fish further out from that dock area.

AA: *Natarnaq* always stay at the bottom. They are bottom fish. That is why we call is "by the bottom".

AN: You find *natarnaq* closer by the shore. We go fishing further out the bay and catch other species. When we put nets out, we catch lots. They are all over either closer by the shore or further out. They travel sometimes like char and go along the shore. Fishing through the ice, you can catch them too. I do quite a bit of ice fishing.

JO: Around the area where the breakwater is going to be, does that freeze to the bottom?

DH: When they are ice fishing, they would be out further.

AN: Lots of little *angmagiak* along the shore. Everywhere. When they are along the shore, everybody goes over there.

AA: Along the shoreline. Everywhere.

AN: Lots up there and around there.

PK: The wind doesn't blow them in. They are on their way to shore to spawn.

AA: Even when it is not windy, I see them around the shore. The water is really dark. The swim along the shore, even when it is calm, in that area [barge site].

BA: Most people go casting off that second point [Mackenzie Point or *Tikigak*]. It is a very popular spot for casting. There are lots of the *angmagiak* there too.

AN: That is my land [joking]!

PK: There is the fish that sucks.

AN: When I was a little girl, Peter was teasing me to put my finger inside of the mouth of the sucking fish!

PK: There are those loche, they go up the river too.

BA: They catch those mostly further up the river. Lot of fishing from the boat, all along the mouth of the river.

PK: This docking area they are talking about.

AA: Sometimes he finds mixed up lake trout travelling along the coast. Sometimes they do come out, but not always.

PK: Put nets out here, further off the shore, in the fall time.

AY: We used to put nets there, in the fall time, for char. This is where we look for *kapihilik*. Long ago the elders told us that is where they look for *kapihilik* [No. 2]. In this general area. In the winter, we go jigging here [No. 3]. Nets go here [No.4]. This is the direction, the way, we would set the nets.

AA: If you looking at the land, you want your nets more or less straight out [90 degrees with the land].

PK: This place where they are going to put the dock, I am pretty sure that it is not going to affect anything. Nobody fishes down there.

AA: The elders follow the fish where it was good to fish.

AY: Along the shore it is good for fishing, but not too close. Further out it is good to set nets for char [No. 5]. All over. All kinds of fish there. In that circle there are all kinds of fish. This is a general fishing area.

PK: Fishing over in the river. They catch fish in the river. They fish there, but not all of the time. Maybe just once in a great while. Most of the fishing is done inside the river or further out.

AA: Some people usually fish by net in this part, mostly char [No. 6]. Just before that little creek, all of this inside here. A lot busier than No. 5. Busy for rod and reel fishing. One spot is only less than 8 feet drop. Active little spot there.

AY: When I am camping there, I can catch enough fish by nets to dry and so I start casting after that. Sport fishing. There are lots of bears there too because there are always fish. I go fishing with the bear all the time [joking].

Q: Have you noticed any changes in the shoreline in your many years living in Kugluktuk?

PK: The ocean is changing. The shoreline, all mud and sand, is all washing out. Pretty soon the houses by the church are going to have to move before the sand all heads out. The ocean is eating it away. The bay where it is eroding is called Kaniakhuq [No. 7]. All around the shoreline here. That whole area there is changing. Even when I first came here, in 1941, you could go right up there in the boat, right along the shore and up the river. Go right up to just below the falls, below the rapids. Now they cannot do it. Little islands forming in the river now. Little island is forming [No. 8].

BA: It is totally different now. So many sand bars. There is another one here to that has changed in the last few years that I have been coming through [No. 10}. There is one forming here too that I never noticed before. It is just right in front of that island.

Q. Has there been much erosion or creation of islands in the bay around Kugluktuk?

AN: There used to be an island here but it is no longer there [No. 9]. Just around that area.

PK: It has gone maybe around 100 years in. Since 1941, you see all of those rocks when the tide is out. Stick out of the water. Rocks washing out. Used to have tents there. Big rocks sticking out of the water where land used to be. No more land, only rocks. It is eroding over here. The land is getting further in [No. 11]. Those rocks were there but there was land over it. Now they are all washed out.

AA: Lots of rocks around the area now.

Q: Has there been a change in the water level since you started living in Kugluktuk?

AN: Here [No. 12], used to be deep many years ago during my travels to paddle boats across here, but now it is shallow [along the shoreline, extending out]. It is getting very shallow.

AA: You can see that HBC dock, it used to be barely showing from the water level and now it is just barely sitting in the water.

DH: More than ¾ of it used to be in the water but most of it is on land now.

AA: Even the sand bar changes from the water level. Over here used to be a long island one time, all gone now. Been washed away by waves.

AN: Ice used to pile up on that sand bar but it takes it right off. Used to go to Three Mile Island and it was very deep but now it is too shallow. Used to very easy or outboard motors to get through there but now it is too shallow [No. 13].

PK: Right by there I hit rocks and had to fix my motor.

BA: When I was a little kid, used to go out there no problem.

Q: Any changes in sea level since you were a child?

PK: We used to catch really red char but now we are getting two different kinds of fish. Red meat and pale meat. We figure that the pale meat is raised by the white people and put out to sea. When the fish comes here, they were really nice, deep red. Really nice fish. Tasty. Now the taste in the fish is all gone. Know why? The water change in the river too. The water was so clean in those days that you could see right to the bottom in a cup of tea. Right now, you cannot even see the bottom.

AN: Change in the water. Used to be really clean but now it is really muddy.

AA: I used to go up the river for so many years. In the current, where the water swirls, it is all foam. Years ago, you hardly see that before. Even when it is windy, it foams into a big…Maybe 5-6 feet where the wind is blowing into the shore were it is foamy.

PK: When I first came here [1941], used to be big fish up the river. Down there, below the falls, just around the point, maybe get 10 pounders [right around the first bend in the river]. Nice char for eating down below here. Nobody used to fish up there because the fish were too big! Further up

AN: Fish are in poor condition. Some have scars. Some are really skinny. Because of the prospectors in the area, the water is changing. We notice that the fish are changing. They are in very poor condition. Before the prospectors came up, there was very healthy fish. Water is changing so that the fish change to poor condition. Agree with Peter that the colour and taste have really changed. Before it was good. Right now the taste is really different and the colour has changed. We started noticing changes about 10 years ago. Not in the river area, the fish are very healthy. Close to the river, the taste has changed a lot compared to other places compared to other areas [like Richardson Bay].

PK: In the spring, when the weather breaks up. Land locked salmon and arctic char. Fish you get out of the ocean not as skinny. Fish are skinny that have been in the lakes too long. Big head, but same body.

AA: The one that has been spawning and returns to the ocean, that comes out from the lakes are called *haniak*. Very narrow char. A type of char.

PK: They been in the lakes too long and lost all their fat.

AA: I have one concern about how the meat changes on the char. Anywhere in the salt water, char are nice and red but once they hit the fresh water and they are not feeding as much as being in the salt water. The further they go in the fresh water, their meat changes colour.

AN: When the char goes up the river, going to the lakes, it is healthy fish. Nice red char. Once it starts coming out to the ocean, it becomes pale, *aniak*.

AA: Fish going up the river are called *mayuaktut*. Going up for spawning.

END OF DISK 1

AY: I am not originally from this area, but from further north. Enjoying just listening.

PK: I am just going to explain. I cannot understand what he [Aime] said. He said the char go up the river into the lakes and turn colour, but when they come back out of the lake and into the ocean they change colour again. I do not think so. Once they are red, they are red. I never heard of that. Changing two colours. Once they are red, they are red.

BA: Same over at Tree River and the ocean is just right there. I still catch red bellied char a couple hundred yards up the river.

PK: Once you get over that hill, you see lots of red spots over there. Lots of red char.

AA: When char go up to spawn and when they are spawning at the lake or wherever, the colour changes. The skin changes. The same fish from silver, blue, red, and there in the lake, spawning they stay red until they are ready to go to the ocean and they go back to silver colour again.

BA: The salt has an effect on the colouration.

AA: The males when they already been spawning, they have a big hook jaw like salmon. They do. When they come back, that hook still shows. That male has been spawning before. That is how I see it.

Q: Are there any recommendations to do with fish for the new barge facility?

AN: I don't have any concerns about where the dock is supposed to be. The way I feel about it, it is good for the community. The area has not been used as much as the other part. It can be very helpful for the community to have it at that spot. It is okay by them.

AA: I feel the same thing. The dock here is going to be on dry land, going to be hard for the barge to come in pretty soon. The sand is shifting more from up the river. Once in a while, nearly every year, they have a hard time bringing in the barge cause of the shallow water. They have to go out quite a bit.

BA: It is an accident waiting to happen, trying to get to shore where the dock is now.

AN: My concern is that when the barge is in by the dock here there are so many kids around the area. Kind of dangerous for so many small kids to be around that area. Out there would be a lot safer for some kids. It is not going to be used for a fishing area, in that part. It is okay by me.

PK: Nobody fish around that area anyway. They fish further down and further out.

Q. Was the area used much when you were a child?

PK: No, nobody ever fished there. It would be good for fishing in the rocks [used to build the barge]. The fish go into the rocks, lake trout, you know.

JO: The really high waves will go over the top of the barge but smaller waves will be stopped. It will be calm water in behind the barge. It is about 350-400 metres along here. They will drop the rock on the ice in the winter. The fish should be able to go right through because this is only going to stick out about 50 m. It is not that deep, even for the barge.

PK: It will go out to deep water anyway. It is the right area [for the barge]. Nobody use it for fishing anyway. In the past, they were talking about 4 Mile Bay going to build good dock.

AN: If it is built, I will go out fishing on the barge, by the islands too.

Q. When are your birthdays?

AN: July 3, 1937
AA: June 21, 1929
AY: July 6, 1930
PK: December 15, 1923
BA: September 23, 1966

AA: Tom cod used to be important for dogs. In some areas where there is hardly wildlife. Further north there is no caribou, no muskox. hardly every wildlife except for fish and seal, cod, rabbit, ptarmigan. Now everything is handy in this area.

PK: In the old days, that is a life saver.

AA: Even when you have to dry them, you don't have to salt them. They are not like char. Used to catch them with a big gaffing hook. Sometimes you put 2-3 hooks on one same line and you have 3 on the line already. No bait. Just use white

canvas, white material just to make it show. Pull the hook up and got 3 fish on one line.

PK: One time, I harpoon the seal with the hook so you have 2 seals Pull out two seals, one after another. The one got pushed up the other. The big one blocked the hole.

AA: When there is lot of seal, I go to the hole, and sometimes a small one comes behind form the one that is caught to take in air. That is how it usually happens

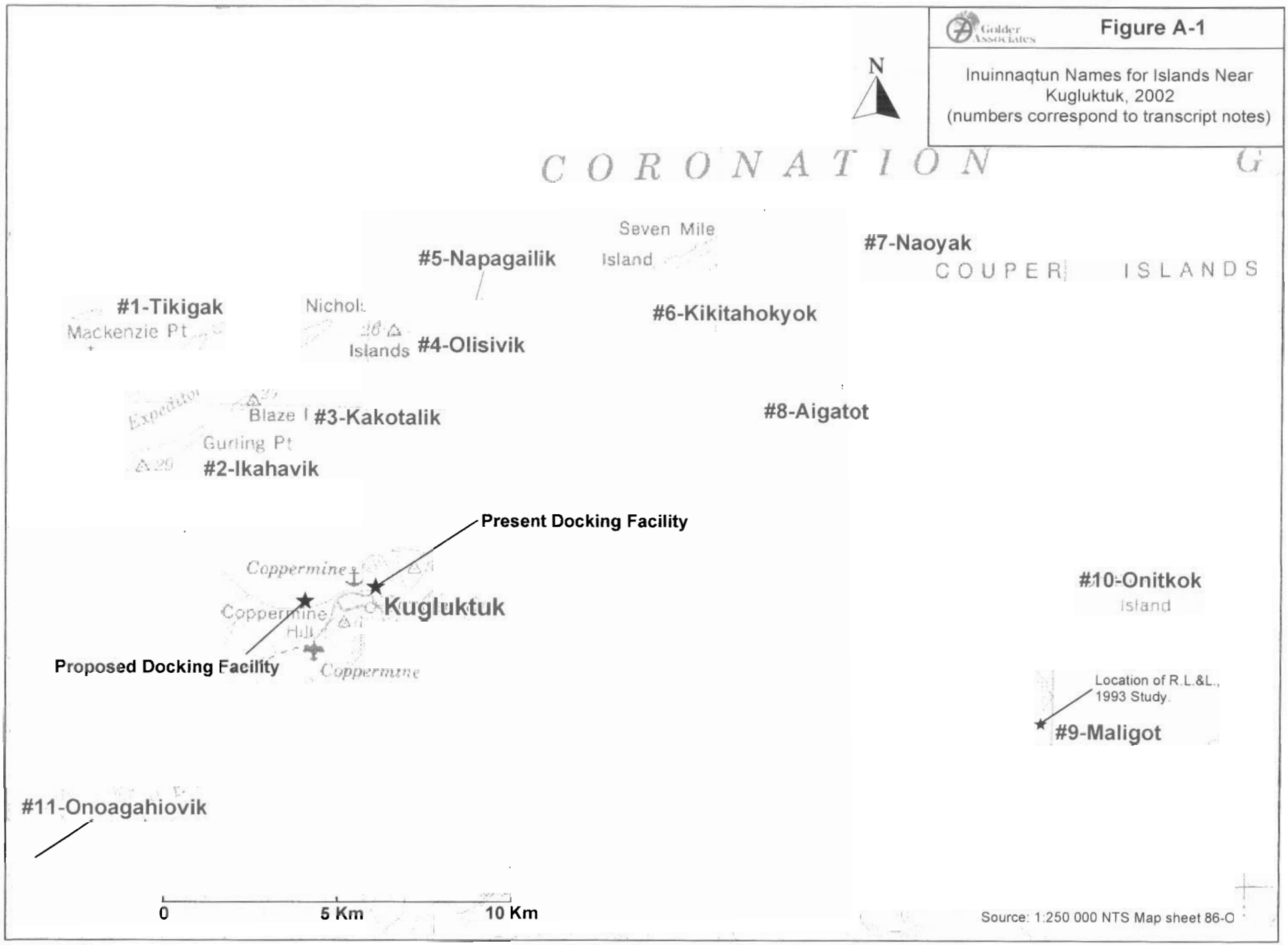
PK: I learned how to make hooks from my dad. The ones we made. He was the first man to invent hooks. Those big fishing hooks. One thing I don't like is standing over a seal hole. Too cold. I see guys, waiting and waiting.

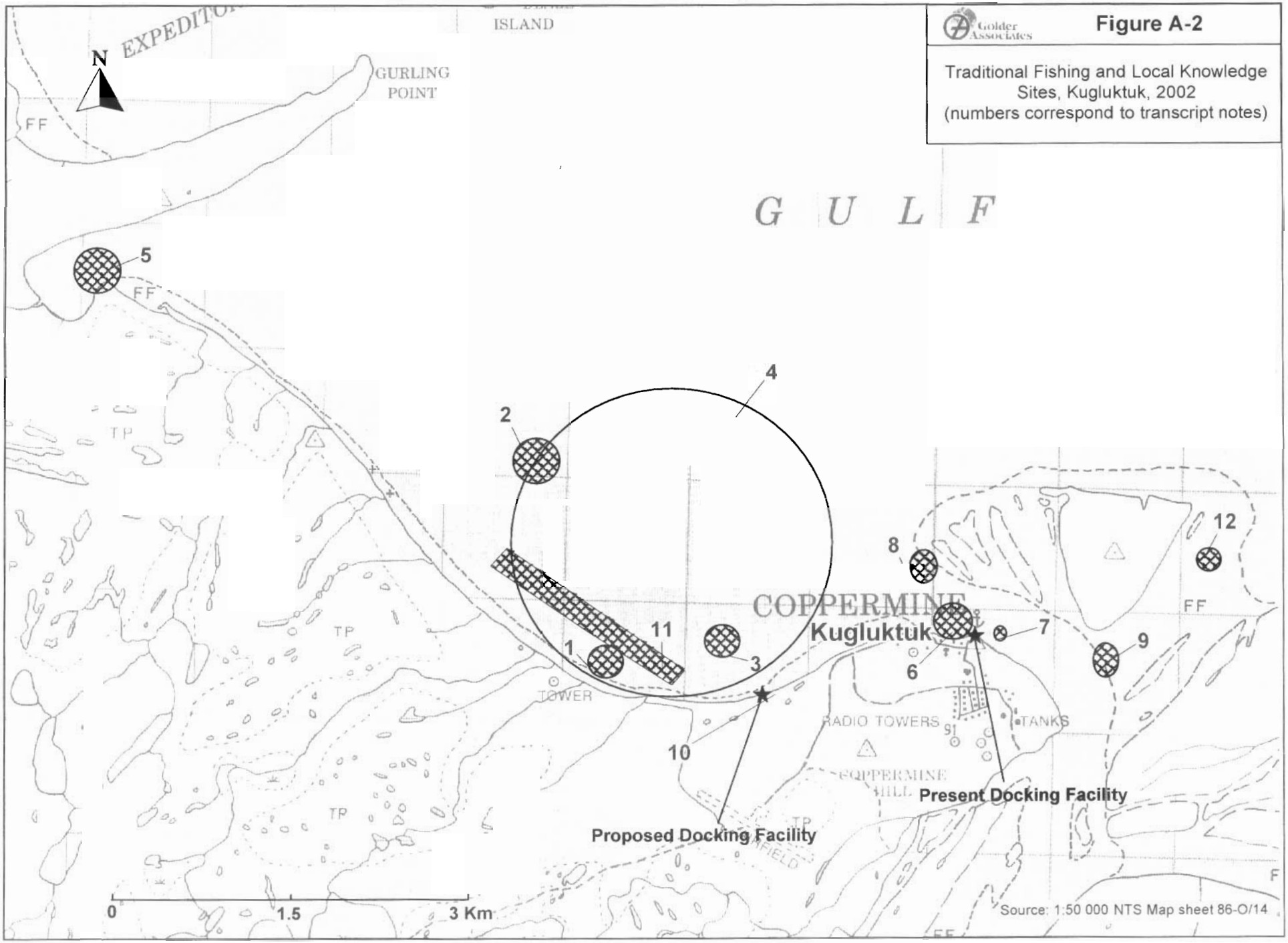
END OF INTERVIEW

Golder Associates

Figure A-1

Inuinnaqtun Names for Islands Near Kugluktuk, 2002
(numbers correspond to transcript notes)




Golder Associates
Figure A-2
Traditional Fishing and Local Knowledge Sites, Kugluktuk, 2002
(numbers correspond to transcript notes)
N
ISLAND
GURLING POINT
G U L F
COPPERMINE
Kugluktuk
RADIO TOWERS
TANKS
TOWER
COPPERMINE HILL
Proposed Docking Facility
Present Docking Facility
1
2
3
4
5
6
7
8
9
10
11
12
0
1.5
3 Km
Source: 1:50 000 NTS Map sheet 86-O/14

APPENDIX B

HABITAT DATA

Table B-1 Air temperature and wind speed data for Kugluktuk, July to September 2002.

Air Temperature (°C)	Wind Speed (km/h)
Summer Survey	
6.9 - 16.4	7.2
7.0 - 25.0	30.6
8.4 - 15.7	14.4
7.0 - 19.7	9.0
8.9 - 24.8	9.0
13.7 - 22.2	18.0
9.6 - 20.4	23.4
8.1 - 28.0	10.8
11.7 - 20.8	9.0
4.9 - 12.7	9.0
Fall Survey	
1.5 - 18.9	10.8
6.9 - 10.8	28.8
3.9 - 14.4	9.0
5.0 - 10.1	18.0
3.9 - 7.2	9.0
2.1 - 7.2	7.2
2.0 - 10.5	30.6

Note: Air temperature and wind speed provided by airport services

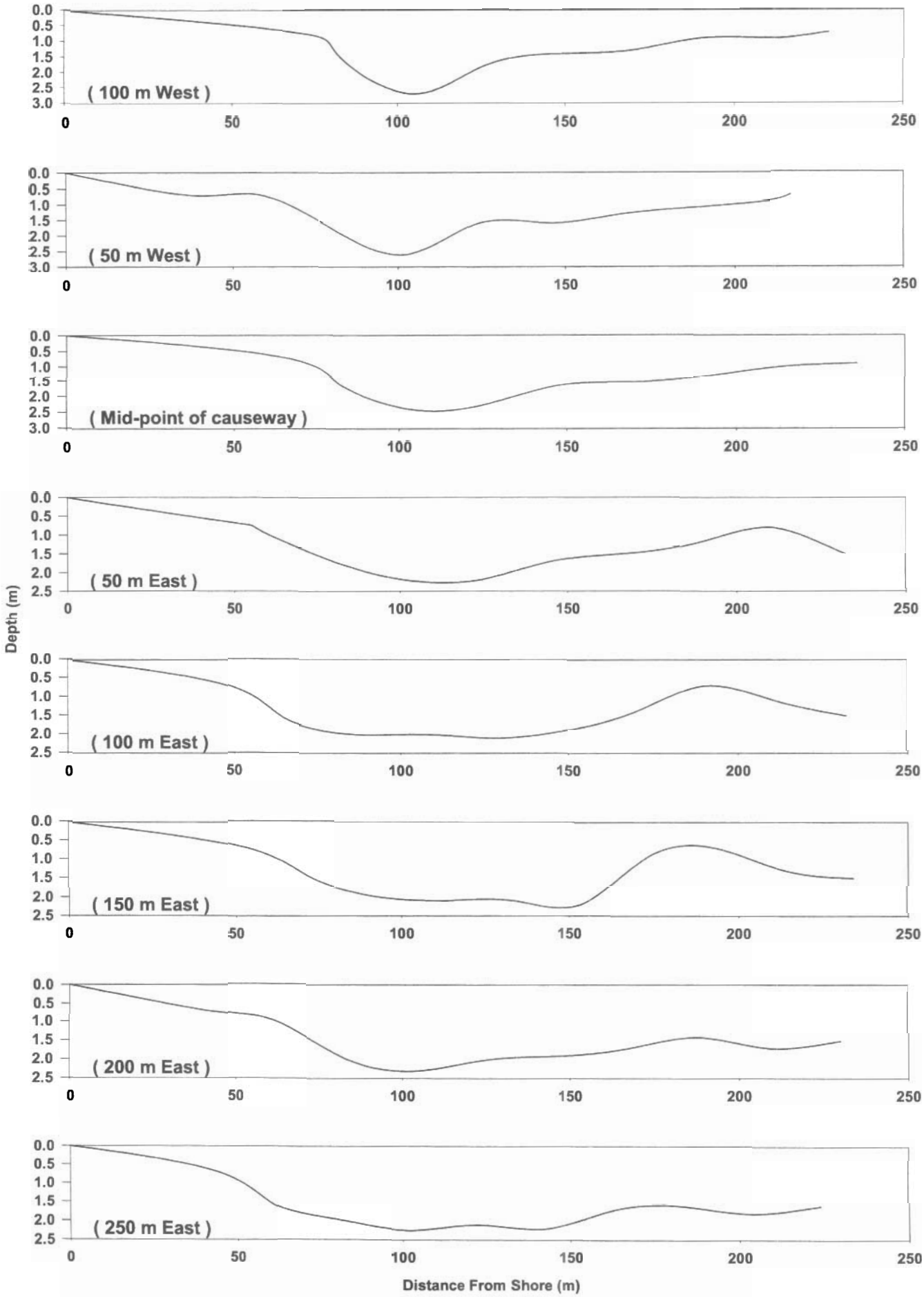


Figure B-1 Depth transects recorded in the vicinity of the proposed Marine Docking Facility, July 2002.

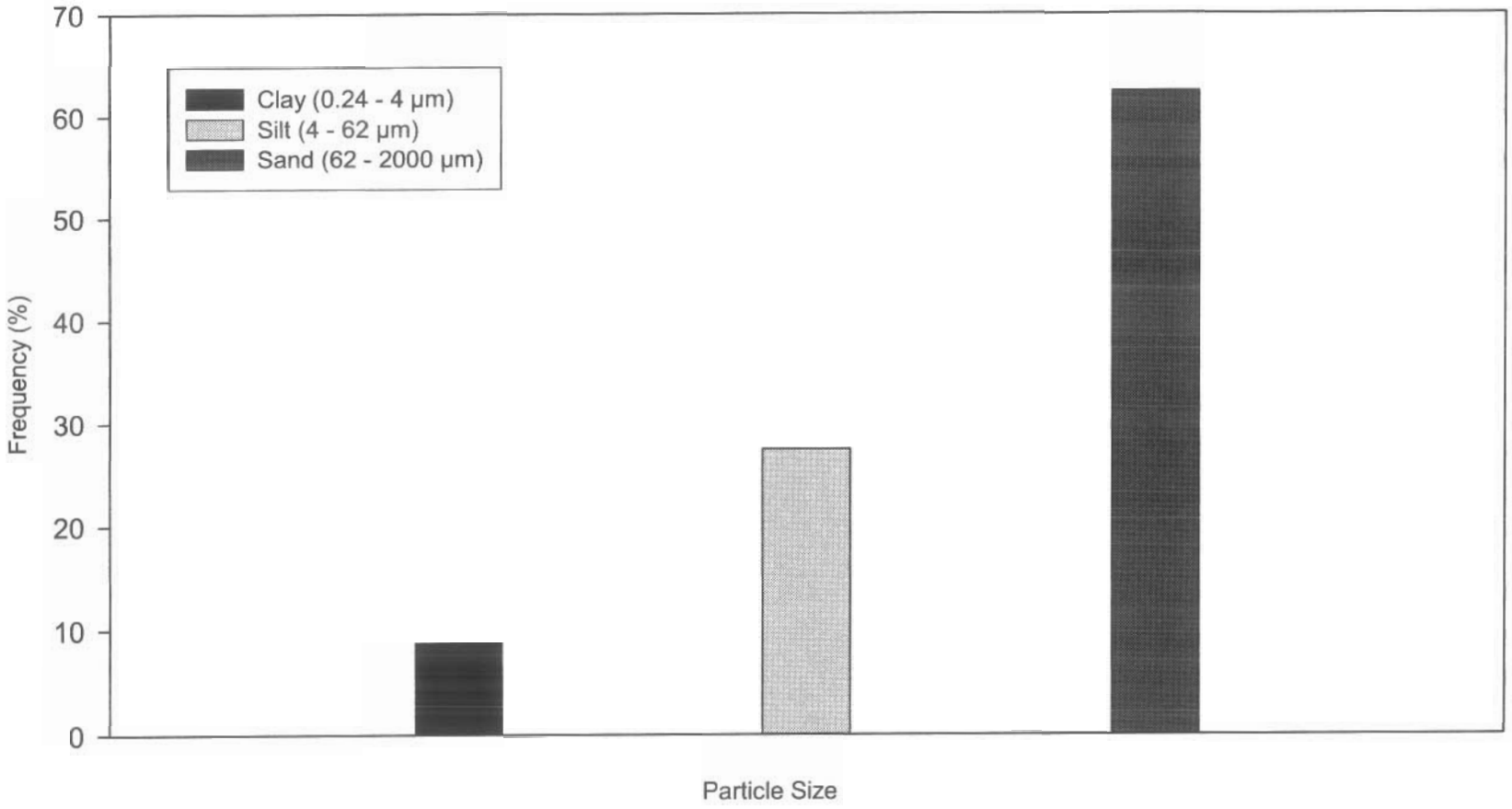


Figure B-2 Particle size distribution of the bottom material at the proposed Marine Docking Facility near Kugluktuk, July 2002.

APPENDIX C

WATER AND SEDIMENT

Table C-1 Mean daily water temperature (°C)[1] and diurnal variation recorded[2] during July to September 2002 at the proposed Marine Docking Facility.

Day	July 2000			August 2000			September 2000		
	Mean	Range	Fluct.	**Mean**	Range	Fluct.	**Mean**	Range	Fluct.
1							**7.60**	7.30 - 8.40	1.10
2							**7.59**	7.10 - 8.60	1.50
3							**7.67**	7.10 - 8.70	1.60
4									
5									
6									
7									
8									
9									
10									
11									
12									
13									
14									
15									
16									
17	**11.49**	9.30 - 12.10	2.80						
18	**12.52**	9.90 - 14.90	5.00						
19	**13.71**	10.60 - 15.50	4.90						
20	**14.09**	12.30 - 15.70	3.40						
21	**13.68**	10.80 - 15.70	4.90						
22	**16.28**	14.00 - 18.60	4.60						
23	**18.06**	16.80 - 19.20	2.40						
24	**16.67**	12.40 - 18.80	6.40						
25	**14.88**	12.60 - 17.20	4.60						
26	**16.10**	15.10 - 17.20	2.10						
27									
28				**7.06**	5.30 - 8.90	3.60			
29				**6.65**	4.90 - 9.00	4.10			
30				**8.09**	6.50 - 9.80	3.30			
31				**9.04**	7.30 - 10.10	2.80			
Mean	**14.75**	**9.30 - 19.20**	**4.11**	**7.71**	**4.90 - 10.10**	**3.45**	**7.62**	**7.10 - 8.70**	**1.40**

[1]Temperatures recorded with a continuous recorder

[2]Daily temperature fluctuation (maximum - minimum daily temperature)

Table C-2 Surface water quality measurements recored at fyke net location from July to September, 2002.

Date	Time	Temperature (°C)[1]	Conductivity (µS/cm)[1]	Salinity (‰)[1]	Turbidity (NTU)[1]
Summer Survey					
17 July	11:25	14.5	1442	0.5	4.94
18 July	14:45	15.9	3570	1.8	2.56
19 July	20:08	16.0	5680	3.0	2.36
20 July	10:11	16.1	580	0.1	2.56
21 July	12:30	17.2	2260	1.0	1.48
22 July	14:05	18.5	3130	1.5	1.74
23 July	15:05	18.8	2350	1.1	1.97
24 July	10:30	17.6	827	0.2	2.91
25 July	12:49	17.2	6530	4.0	2.13
26 July	11:16	16.1	2450	1.1	3.85
Fall Survey					
28 Aug	10:20	9.1	6820	3.7	0.63
29 Aug	14:34	8.0	22500	13.4	0.48
30 Aug	13:25	11.1	4770	0.2	2.73
31 Aug	12:10	9.3	8090	4.4	2.03
1 Sept	11:49	9.5	5590	2.9	2.28
2 Sept	12:23	7.7	12780	5.0	1.17
3 Sept	13:31	8.6	6890	3.7	1.46

[1]Units of measurement: °C (Degrees celsius) µS/cm (microsiemens/centimetre), ‰ (parts per thousand), NTU (Nephelometric Turbidity Units).

Note: Readings taken at the fyke net location.

Table C-3 Water temperature-salinity profiles and associated data recorded near the proposed Marine Docking Facility near Kugluktuk, 2002.

Depth (m)	STN 1 (11W E578514 N7524593) (@ the Proposed Marine Docking Facility)																							
	17-Jul-02				18-Jul-02				19-Jul-02				20-Jul-02				21-Jul-02				22-Jul-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	14.5	0.5	1400	7.1	15.9	1.8	3600	7.3	16.0	3.0	5700	7.2	16.1	0.1	600	7.0	17.1	1.0	2300	7.1	18.5	1.5	3100	7.4
1	10.4	7.5	11300		14.2	5.9	10500		14.2	7.8	13800		14.8	2.5	4800		15.3	8.3	14400		17.1	5.2	10200	
2	11.4	9.3	14400		13.3	6.1	10700		11.5	11.5	23400		9.7	17.2	28000		10.4	17.6	28800		16.2	15.6	12900	
Time	1442h				1445h				2008h				1011h				1230h				1405h			
Cloud Cover	15%				15%				15%				0%				0%				0%			
Wind	NE @ 15 kph				W @ 10 kph				W @ 10 kph				calm				NE @ 5 kph				NE @ 10 kph			
Air Temp	20°C				20°C				20°C				18°C				24°C				24°C			
Secchi	1.2 m				1.8 m				1.8 m				2.1 m				2.3 m				2.2 m			
Turbidity (NTU)	4.94				2.56				2.36				2.56				1.48				1.74			
Bottom Depth	2.2 m				2.2 m				2.2 m				2.1 m				2.3 m				2.2 m			

Depth (m)	STN 1 (11W E578514 N7524593) (@ the Proposed Marine Docking Facility)																							
	23-Jul-02				24-Jul-02				25-Jul-02				26-Jul-02				28-Aug-02				29-Aug-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	18.8	1.1	2400	7.0	17.6	0.2	800	7.1	17.2	4.0	6500	7.1	16.1	1.1	2500	7.2	9.1	3.7	6800	7.4	8.0	13.4	22500	7.5
1	18.7	1.1	3400		16.2	10.3	17700		15.9	8.7	13700		16.2	6.6	11500		8.1	11.9	17500		7.7	13.7	24100	
2	17.2	5.6	12300		14.8	12.2	20800		15.2	8.8	15300		16.1	6.7	11800		6.8	21.3	34900		5.3	23.5	38300	
Time	1505h				1030h				1249h				1116h				1020h				1434h			
Cloud Cover	25%				40%				40%				60%				10%				60%			
Wind	NE @ 35 kph				calm				calm				calm				calm				NE @ 3 kph			
Air Temp	20°C				16°C				16°C				8°C				11°C				10°C			
Secchi	2.0 m				2.2 m				2.0 m				1.0 m				3.5 m				3.0 m			
Turbidity (NTU)	1.97				2.91				2.36				3.85				0.63				0.48			
Bottom Depth	2.0 m				2.2 m				2.2 m				2.2 m				2.4 m				2.4 m			

Depth (m)	STN 1 (11W E578514 N7524593) (@ the Proposed Marine Docking Facility)																			
	30-Aug-02				31-Aug-02				1-Sep-02				2-Sep-02				3-Sep-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	11.1	0.2	4800	6.8	9.3	4.4	8100	7.8	9.5	2.9	5600	7.4	7.7	5.0	12800	7.1	8.6	3.7	6900	7.8
1	8.4	14.0	24600		8.9	11.8	20000		7.8	20.4	33600		7.3	21.5	35200		8.0	15.9	30000	
2	8.0	16.0	26000		8.7	13.4	22800		7.4	20.8	34300		7.1	21.8	35800		6.8	22.5	36900	
Time	1325h				1210h				1149h				1223h				1331h			
Cloud Cover	10%				40%				40%				60%				60%			
Wind	calm				NE @ 18 kph				calm				calm				NE @ 15 kph			
Air Temp	14°C				10°C				7°C				7°C				10°C			
Secchi	2.5 m				2.0 m				2.5m				2.0 m				2.5 m			
Turbidity (NTU)	2.73				2.03				2.28				1.17				1.46			
Bottom Depth	2.5 m				2.5 m				2.6 m				2.5 m				2.4 m			

Continued...

Table C-3 continued.

Depth (m)	STN 2 (11W E579202 N7525035) (Near campground and rocky shoreline)																							
	22-Jul-02				23-Jul-02				24-Jul-02				25-Jul-02				26-Jul-02				29-Aug-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	18.9	0.3	1100	7.4	19.3	0.2	900	7.2	18.5	0.8	3100	7.2	18.5	0.3	600	7.7	17.6	0.1	900	7.0	10.8	2.1	4600	7.9
1	16.7	6.8	11400		18.8	0.9	1800		16.3	10.3	16500		16.4	4.8	1100		16.0	6.8	11900		8.0	14.0	24100	
2	11.4	14.7	24800		16.9	6.9	12300		15.1	11.6	19900		13.8	10.7	18300		15.6	8.0	14000		7.7	15.3	24800	
Time	2029h				1523h				1406h				1300h				1146h				2008h			
Cloud Cover	15%				25%				15%				30%				60%				60%			
Wind	NE @ 30 kph				W @ 35 kph				calm				calm				calm				NE @ 3 kph			
Air Temp	20°C				20°C				18°C				18°C				8°C				10°C			
Secchi	2.5 m				2.0 m				2.2 m				2.0 m				1.5 m				2.5 m			
Turbidity (NTU)	1.67				1.87				2.13				2.24				2.11				1.42			
Bottom Depth	2.5 m				2.5 m				2.2 m				2.2 m				2.3 m				2.5 m			

Depth (m)	STN 2 (11W E579202 N7525035) (Near campground and rocky shoreline)																			
	30-Aug-02				31-Aug-02				1-Sep-02				2-Sep-02				3-Sep-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	11.1	0.5	700	7.3	9.9	1.4	3000	8.1	10.6	2.0	3100	7.6	7.9	5.2	9300	7.3	8.6	2.8	5400	7.4
1	8.4	13.2	22500		9.9	1.3	3100		7.7	20.5	33800		7.4	21.7	35600		8.6	2.8	5400	
2	8.4	13.7	23100		9.3	11.4	21700		7.4	20.7	34100		6.7	22.5	36400		6.6	22.7	35300	
Time	1338h				1154h				1209h				1235h				1404h			
Cloud Cover	10%				40%				40%				60%				60%			
Wind	calm				NE @ 18 kph				calm				calm				NE @ 15 kph			
Air Temp	14°C				10°C				7°C				7°C				10°C			
Secchi	2.0 m				2.0 m				2.5 m				2.0 m				2.5 m			
Turbidity (NTU)	1.92				1.87				1.73				1.27				1.21			
Bottom Depth	2.0 m				3.0 m				2.5 m				2.0 m				2.5 m			

Continued...

Table C-3 continued.

Depth (m)	STN 3 (11W E576799 N7524986) (Near sewage outflow ~ 350 m off shore)																							
	21-Jul-02				23-Jul-02				25-Jul-02				26-Jul-02				28-Aug-02				29-Aug-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	18.3	5.1	6400	7.0	17.8	1.7	3600	7.6	16.3	6.9	11700	7.3	16.5	2.0	4000	7.2	8.8	9.0	10400	7.5	9.1	9.5	16800	7.6
1	13.1	12.2	21200		17.9	1.8	3700		15.5	9.8	15600		16.7	2.2	4700		7.5	15.7	28000		9.1	9.7	16800	
2	12.3	14.0	22100		16.3	7.1	12600		14.8	10.7	18200		15.9	7.0	12500		6.1	22.3	36500		9.1	9.8	17000	
Time	2010h				1008h				1320h				1157h				1036h				1955h			
Cloud Cover	0%				25%				30%				60%				10%				60%			
Wind	NE @ 5 kph				W @ 35 kph				calm				calm				calm				NE @ 3 kph			
Air Temp	20°C				20°C				18°C				8°C				11°C				10°C			
Secchi	2.0 m				2.0 m				4.0 m				1.5 m				3.5 m				3.0 m			
Turbidity (NTU)	1.2				1.87				2.92				2.24				0.39				0.68			
Bottom Depth	5.5 m				5.5 m				5.5 m				5.5 m				5.5 m				5.5 m			

Depth (m)	STN 3 (11W E576799 N7524986) (Near sewage outflow ~ 350 m off shore)																			
	30-Aug-02				31-Aug-02				1-Sep-02				2-Sep-02				3-Sep-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	11.2	0.7	16800	7.4	8.1	15.3	25800	7.5	9.8	3.5	6800	7.3	7.5	5.0	9100	7.3	7.2	22.1	36200	7.3
1	8.3	14.1	23600		8.2	15.3	25800		7.6	20.6	33900		7.0	21.9	35900		7.1	22.1	36200	
2	6.5	21.3	34800		8.3	15.7	26200		7.4	21.0	34500		6.5	22.3	36500		7.1	22.1	36300	
Time	1349h				1220h				1219h				1245h				1354h			
Cloud Cover	10%				40%				40%				60%				60%			
Wind	calm				NE @ 18 kph				calm				calm				NE @ 15 kph			
Air Temp	14°C				10°C				7°C				7°C				10°C			
Secchi	4.5 m				2.0 m				2.5 m				5.5 m				5.0 m			
Turbidity (NTU)	2.18				0.66				1.66				0.98				0.54			
Bottom Depth	5.5 m				5.5 m				5.5 m				5.5 m				5.5 m			

Continued...

Table C-3 continued.

Depth (m)	STN 4 (11W E578628 N7524555) (North of Fyke Net Location ~ 350 m)											
	1-Sep-02				2-Sep-02				3-Sep-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	9.6	2.9	5500	-	7.4	5.3	9700	-	8.5	4.2	7800	-
1	7.7	20.4	33700		7.4	21.5	35300		8.3	12.1	17700	
2	7.5	20.9	34200		6.6	22.5	36800		6.2	23.2	37800	
Time	1200h				1226h				1346h			
Cloud Cover	40%				60%				60%			
Wind	calm				calm				NE @ 15 kph			
Air Temp	7°C				7°C				10°C			
Secchi	2.5 m				2.0 m				3.0 m			
Turbidity (NTU)	-				-				-			
Bottom Depth	2.6 m				2.0 m				3.0 m			

Depth (m)	STN 5 (11W E581750 N7524800) (Existing Marine Docking Facility - Coppermine River)											
	15-Jul-02				28-Aug-02				3-Sep-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	15.4	0.0	10	7.1	10.5	0.0	10	7.8	9.4	0.0	10	7.6
1	-	-	-		10.5	0.0	10		9.5	0.0	10	
2	-	-	-		10.5	0.0	10		9.5	0.0	10	
Time	2215h				1000h				1412h			
Cloud Cover	30%				10%				60%			
Wind	NE @ 35 kph				calm				NE @ 15 kph			
Air Temp	15°C				11°C				10°C			
Secchi	-				3.5 m				2.5 m			
Turbidity (NTU)	-				0.76				-			
Bottom Depth	2.0 m				3.5 m				2.5 m			

Depth (m)	STN 6 (11W E576406 N7530107) Deep water site north of fyke net location			
	20-Jul-02			
	Temp. (°C)	Salinity (‰)	Cond. (µS/cm)	pH
0	17.3	2.6	5000	7.4
1	17.0	3.5	7100	
2	10.1	14.8	18500	
5	2.7	24.3	40400	
10	2.3	25.5	42000	
Time	1405h			
Cloud Cover	0%			
Wind	calm			
Air Temp	18°C			
Secchi	3.5 m			
Turbidity (NTU)	2.06			
Bottom Depth	13.0 m			

Concluded.

Table C-4

Enviro-Test Chemical Analysis Report

ENVIRO-TEST CHEMICAL ANALYSIS REPORT

L73497-1 KUGLUKTUK,NU L#1-WATER
Sample Date:
Matrix: WATER AND SOIL

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	By	Batch
BTEX, F1 (C6-C10) and F2 (>C10-C16)								
F2 (>C10-C16)	<0.05		0.05	mg/L	25-JUL-02	26-JUL-02	AAT	R86350
BTEX and F1 (C6-C10)								
F1-BTEX	<0.1		0.1	mg/L	25-JUL-02	27-JUL-02	SCM	R86560
Benzene	<0.0005		0.0005	mg/L	25-JUL-02	27-JUL-02	SCM	R86560
Toluene	<0.0005		0.0005	mg/L	25-JUL-02	27-JUL-02	SCM	R86560
EthylBenzene	<0.0005		0.0005	mg/L	25-JUL-02	27-JUL-02	SCM	R86560
Xylenes	<0.0005		0.0005	mg/L	25-JUL-02	27-JUL-02	SCM	R86560
F1(C6-C10)	<0.1		0.1	mg/L	25-JUL-02	27-JUL-02	SCM	R86560
Extractable Metals								
Extractable Trace Metals (Low Level)								
Silver (Ag)	<0.0002		0.0002	mg/L		24-JUL-02	JY	R86026
Aluminum (Al)	0.07		0.01	mg/L		24-JUL-02	JY	R86026
Arsenic (As)	0.0071		0.0004	mg/L		24-JUL-02	JY	R86026
Boron (B)	0.289		0.002	mg/L		24-JUL-02	JY	R86026
Barium (Ba)	0.0277		0.0001	mg/L		24-JUL-02	JY	R86026
Beryllium (Be)	<0.0005		0.0005	mg/L		24-JUL-02	JY	R86026
Bismuth (Bi)	0.00015		0.00005	mg/L		24-JUL-02	JY	R86026
Cadmium (Cd)	<0.0001		0.0001	mg/L		24-JUL-02	JY	R86026
Cobalt (Co)	0.0002		0.0001	mg/L		24-JUL-02	JY	R86026
Chromium (Cr)	0.0022		0.0004	mg/L		24-JUL-02	JY	R86026
Copper (Cu)	0.0426		0.0006	mg/L		24-JUL-02	JY	R86026
Molybdenum (Mo)	0.0008		0.0001	mg/L		24-JUL-02	JY	R86026
Nickel (Ni)	0.0077		0.0001	mg/L		24-JUL-02	JY	R86026
Lead (Pb)	0.0015		0.0001	mg/L		24-JUL-02	JY	R86026
Antimony (Sb)	0.0005		0.0004	mg/L		24-JUL-02	JY	R86026
Selenium (Se)	0.0142		0.0004	mg/L		24-JUL-02	JY	R86026
Tin (Sn)	0.0002		0.0002	mg/L		24-JUL-02	JY	R86026
Strontium (Sr)	0.465		0.0001	mg/L		24-JUL-02	JY	R86026
Titanium (Ti)	0.0028		0.0003	mg/L		24-JUL-02	JY	R86026
Thallium (Tl)	<0.00005		0.00005	mg/L		24-JUL-02	JY	R86026
Uranium (U)	0.0004		0.0001	mg/L		24-JUL-02	JY	R86026
Vanadium (V)	<0.0001		0.0001	mg/L		26-JUL-02	LT	R86477
Zinc (Zn)	0.029		0.002	mg/L		24-JUL-02	JY	R86026
Extractable Major Metals								
Calcium (Ca)	42.1		0.5	mg/L		26-JUL-02	LT	R86477
Potassium (K)	35.4		0.1	mg/L		26-JUL-02	LT	R86477
Magnesium (Mg)	103		0.01	mg/L		26-JUL-02	LT	R86477
Sodium (Na)	847		0.5	mg/L		26-JUL-02	LT	R86477
Iron (Fe)	0.115		0.005	mg/L		26-JUL-02	LT	R86477
Manganese (Mn)	0.005		0.001	mg/L		26-JUL-02	LT	R86477
Mercury (Hg)-Extractable	0.0001		0.0001	mg/L		24-JUL-02	JY	R86026
Silicon (Si)-Extractable	0.7		0.1	mg/L		26-JUL-02	LT	R86477
Cyanide, Total	<0.002		0.002	mg/L		30-JUL-02	SEN	R87055
Phosphorus, Total	<0.02		0.02	mg/L		26-JUL-02	LDD	R86184
Oil and Grease	<1		1	mg/L	25-JUL-02	26-JUL-02	ZOW	R86245
Phenols (4AAP)	<0.001		0.001	mg/L		25-JUL-02	SIW	R86064
Total Kjeldahl Nitrogen	<0.2		0.2	mg/L		25-JUL-02	WNG	R86179
Total Organic Carbon	5		1	mg/L		24-JUL-02	JTV	R85974
CCME PAHs								

ENVIRO-TEST CHEMICAL ANALYSIS REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	By	Batch
L73497-1 KUGLUKTUK,NU L#1-WATER								
Sample Date:								
Matrix: WATER AND SOIL								
CCME PAHs								
Naphthalene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Quinoline	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Acenaphthene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Fluorene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Phenanthrene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Anthracene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Acridine	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Fluoranthene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Pyrene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Benzo(a)anthracene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Chrysene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Benzo(b)fluoranthene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Benzo(k)fluoranthene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Benzo(a)pyrene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Indeno(1,2,3-cd)pyrene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Dibenzo(a,h)anthracene	<0.00001		0.00001	mg/L	23-JUL-02	27-JUL-02	SRJ	R86351
Surr: Nitrobenzene d5	86		59-95	%	23-JUL-02	27-JUL-02	SRJ	R86351
Surr: 2-Fluorobiphenyl	83		60-96	%	23-JUL-02	27-JUL-02	SRJ	R86351
Surr: p-Terphenyl d14	90		74-114	%	23-JUL-02	27-JUL-02	SRJ	R86351
Routine Water Analysis								
Chloride (Cl)	1290		1	mg/L		25-JUL-02	LDD	R86101
Nitrate+Nitrite-N	<0.1		0.1	mg/L		26-JUL-02	LDD	R86270
Nitrate-N	<0.1		0.1	mg/L		26-JUL-02	LDD	R86270
Nitrite-N	<0.05		0.05	mg/L		26-JUL-02	LDD	R86270
pH, Conductivity and Total Alkalinity								
pH	7.7		0.1	pH		26-JUL-02	PTT	R86252
Conductivity (EC)	4840		0.2	uS/cm		26-JUL-02	PTT	R86252
Bicarbonate (HCO3)	65		5	mg/L		26-JUL-02	PTT	R86252
Carbonate (CO3)	<5		5	mg/L		26-JUL-02	PTT	R86252
Hydroxide (OH)	<5		5	mg/L		26-JUL-02	PTT	R86252
Alkalinity, Total (as CaCO3)	53		5	mg/L		26-JUL-02	PTT	R86252
Ion Balance Calculation								
Ion Balance	102			%		29-JUL-02		
TDS (Calculated)	2410			mg/L		29-JUL-02		
Hardness (as CaCO3)	489			mg/L		29-JUL-02		
ICP metals and SO4 for routine water								
Calcium (Ca)	38.6		0.5	mg/L		27-JUL-02	EOC	R86417
Potassium (K)	27.2		0.1	mg/L		27-JUL-02	EOC	R86417
Magnesium (Mg)	95.4		0.1	mg/L		27-JUL-02	EOC	R86417
Sodium (Na)	730		1	mg/L		27-JUL-02	EOC	R86417
Sulfate (SO4)	194		0.5	mg/L		27-JUL-02	EOC	R86417
Total & Fecal Coliform Count-MF								
MF - Fecal Coliforms	<1		1	CFU/100mL		23-JUL-02	S V N	R85909
MF - Total Coliforms	5500		1	CFU/100mL		23-JUL-02	S V N	R85909
L73497-2 KUGLUKTUK,NU L#1-SOIL								
Sample Date:								
Matrix: WATER AND SOIL								
CCME TVHs and TEHs								
CCME Total Hydrocarbons								

ENVIRO-TEST CHEMICAL ANALYSIS REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	By	Batch
L73497-2 KUGLUKTUK,NU L#1-SOIL								
Sample Date:								
Matrix: WATER AND SOIL								
CCME TVHs and TEHs								
CCME Total Hydrocarbons								
F1 (C6-C10)	<5		5	mg/kg		30-JUL-02		
F1-BTEX	<5		5	mg/kg		30-JUL-02		
F2 (C10-C16)	<5		5	mg/kg		30-JUL-02		
F2-Naphth	<5		5	mg/kg		30-JUL-02		
F3 (C16-C34)	100		5	mg/kg		30-JUL-02		
F3-PAH	100		5	mg/kg		30-JUL-02		
F4 (C34-C50)	51		5	mg/kg		30-JUL-02		
Total Hydrocarbons (C6-C50)	150		5	mg/kg		30-JUL-02		
Chrom. to baseline at nC50	YES					30-JUL-02		
CCME Total Extractable Hydrocarbons								
Prep/Analysis Dates					24-JUL-02	24-JUL-02	AAT	R85957
BTEX								
Benzene	<0.01		0.01	mg/kg	23-JUL-02	26-JUL-02	FA	R86378
Toluene	<0.01		0.01	mg/kg	23-JUL-02	26-JUL-02	FA	R86378
Ethylbenzene	<0.01		0.01	mg/kg	23-JUL-02	26-JUL-02	FA	R86378
Xylenes	<0.01		0.01	mg/kg	23-JUL-02	26-JUL-02	FA	R86378
Cyanide, Total	0.10		0.1	mg/kg dwt		30-JUL-02	SEN	R87055
% Moisture	34		0.1	%		24-JUL-02	NSH	R85939
Mercury (Hg)	<0.05		0.05	mg/kg		26-JUL-02	OL	R86310
Oil-Gravimetric	100		100	mg/kg	25-JUL-02	25-JUL-02	ZOW	R86098
Phenols (4AAP)	<0.03		0.03	mg/kg		25-JUL-02	SIW	R86064
Silicon (Si)	298000		50	mg/kg		29-JUL-02	LT	R86643
Total Kjeldahl Nitrogen	0.04		0.01	%	25-JUL-02	26-JUL-02	HL	R86255
Phosphorus, Total	560		90	mg/kg	26-JUL-02	26-JUL-02	BEM	R86163
Total Organic Carbon								
Organic Carbon	0.5		0.1	%	25-JUL-02	25-JUL-02	NEM	R86109
Organic Matter	0.8		0.2	%	25-JUL-02	25-JUL-02	NEM	R86109
Metals (ICP/MS)								
Silver (Ag)	<0.1		0.1	mg/kg		26-JUL-02	OL	R86310
Aluminum (Al)	17200		50	mg/kg		26-JUL-02	OL	R86310
Arsenic (As)	2.5		0.5	mg/kg		26-JUL-02	OL	R86310
Boron (B)	4		2	mg/kg		26-JUL-02	OL	R86310
Barium (Ba)	94		5	mg/kg		26-JUL-02	OL	R86310
Beryllium (Be)	<0.2		0.2	mg/kg		26-JUL-02	OL	R86310
Bismuth (Bi)	<0.5		0.5	mg/kg		26-JUL-02	OL	R86310
Calcium (Ca)	10900		100	mg/kg		26-JUL-02	OL	R86310
Cadmium (Cd)	<0.1		0.1	mg/kg		26-JUL-02	OL	R86310
Cobalt (Co)	13.5		0.1	mg/kg		26-JUL-02	OL	R86310
Chromium (Cr)	34.5		0.2	mg/kg		26-JUL-02	OL	R86310
Copper (Cu)	28		2	mg/kg		26-JUL-02	OL	R86310
Iron (Fe)	24000		200	mg/kg		26-JUL-02	OL	R86310
Potassium (K)	2110		20	mg/kg		26-JUL-02	OL	R86310
Magnesium (Mg)	16400		10	mg/kg		26-JUL-02	OL	R86310
Manganese (Mn)	417		0.5	mg/kg		26-JUL-02	OL	R86310
Molybdenum (Mo)	0.2		0.1	mg/kg		26-JUL-02	OL	R86310
Sodium (Na)	2440		20	mg/kg		26-JUL-02	OL	R86310
Nickel (Ni)	35.0		0.5	mg/kg		26-JUL-02	OL	R86310
Lead (Pb)	8.7		0.5	mg/kg		26-JUL-02	OL	R86310
Selenium (Se)	1.0		0.2	mg/kg		26-JUL-02	OL	R86310

ENVIRO-TEST CHEMICAL ANALYSIS REPORT

Sample Details/Parameters	Result	Qualifier	D.L.	Units	Extracted	Analyzed	By	Batch
L73497-2 KUGLUKTUK,NU L#1-SOIL								
Sample Date:								
Matrix: WATER AND SOIL								
Metals (ICP/MS)								
Tin (Sn)	0.2		0.1	mg/kg		26-JUL-02	OL	R86310
Strontium (Sr)	15		1	mg/kg		26-JUL-02	OL	R86310
Titanium (Ti)	705		0.5	mg/kg		26-JUL-02	OL	R86310
Thallium (Tl)	0.10		0.05	mg/kg		26-JUL-02	OL	R86310
Uranium (U)	0.8		0.1	mg/kg		26-JUL-02	OL	R86310
Vanadium (V)	56.0		0.1	mg/kg		26-JUL-02	OL	R86310
Zinc (Zn)	82		5	mg/kg		26-JUL-02	OL	R86310
CCME PAHs								
Naphthalene	<0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Quinoline	<0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Phenanthrene	0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Pyrene	<0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Benzo(a)anthracene	<0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Benzo(b)fluoranthene	<0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Benzo(k)fluoranthene	<0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Benzo(a)pyrene	<0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Indeno(1,2,3-cd)pyrene	<0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Dibenzo(a,h)anthracene	<0.01		0.01	mg/kg	25-JUL-02	26-JUL-02	SRJ	R86412
Surr: Nitrobenzene d5	81		60-100	%	25-JUL-02	26-JUL-02	SRJ	R86412
Surr: 2-Fluorobiphenyl	94		65-105	%	25-JUL-02	26-JUL-02	SRJ	R86412
Surr: p-Terphenyl d14	96		73-117	%	25-JUL-02	26-JUL-02	SRJ	R86412
Detailed Salinity								
Chloride (Cl)	7660		1	mg/L		26-JUL-02	LDD	R86282
Sulphate (SO4)	1200		0.5	mg/L		26-JUL-02	EOC	R86290
pH and EC (Saturated Paste)								
% Saturation	35.9		0.1	%		26-JUL-02	SV	R86203
pH in Saturated Paste	7.2		0.1	pH		26-JUL-02	SV	R86203
Conductivity Sat. Paste	20.4		0.01	dS m-1		26-JUL-02	SV	R86203
SAR								
SAR	32.8			SAR		26-JUL-02	EOC	R86290
Calcium (Ca)	330		0.5	mg/L		26-JUL-02	EOC	R86290
Potassium (K)	123		0.1	mg/L		26-JUL-02	EOC	R86290
Magnesium (Mg)	488		0.1	mg/L		26-JUL-02	EOC	R86290
Sodium (Na)	4010		1	mg/L		26-JUL-02	EOC	R86290

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

Reference Information

Methods Listed (if applicable):

ETL Test Code	Matrix	Test Description	Preparation Method Reference**	Analytical Method Reference**
BTX,F1-ED	Water	BTEX and F1 (C6-C10)		EPA 5030/8015&8021B-P&T GC-PID & FID
C-TOT-ORG-ED	Water	Total Organic Carbon		APHA 5310 B-Instrumental
C-TOT-ORG-WB-SK	Soil	Total Organic Carbon		CSSS (1993) p. 190-191

Tiessen, H. and Moir, J.O. 1993. Total and Organic Carbon (Wet Oxidation-Redox Titration Method). p. 190-191. In: M.R. Carter (ed.). Soil Sampling and Methods of Analysis, Canadian Society of Soil Science. Lewis Publishers Anne Arbor, MI.

CL-ED	Water	Chloride (Cl)		APHA 4500 Cl E-Colorimetry
CL-SAR-ED	Soil	Chloride (Cl)		APHA 4500 Cl E-Colorimetry
CN-TOT-WT	Water	Cyanide, Total		EPA 9012(mod)
CN-TOT-WT	Soil	Cyanide, Total		EPA 9012(mod)
ETL-BTX,TVH-CCME-ED	Soil	BTEX	EPA 5030	CCME CWS-PHC Dec-2000 - Pub# 1310
ETL-ROUTINE-ICP-ED	Water	ICP metals and SO4 for routine water		APHA 3120 B-ICP-OES
ETL-TEH-CCME-ED	Soil	CCME Total Extractable Hydrocarbons		CCME CWS-PHC Dec-2000 - Pub# 1310
F2-ED	Water	F2 (>C10-C16)		EPA 3510/8000-GC-FID
FCC-MF-ED	Water	Fecal Coliform Count-MF		Standards Methods #9222D

Fecal coliform- Standards Methods for the Examination of Water and Wastewater, Method No. 9222D
Abbreviations: MF-membrane filtration, CFU-colony forming unit, TNTC-too numerous to count.
Interpretation of Results:
SATISFACTORY-When no fecal coliforms are detected.
UNSATISFACTORY-When fecal coliforms are present indicates poltion of intestinal origin and should not be used for drinking without treatment.
DOUBTFUL- When fecal coliforms are not detected but coliforms are pesent may or may not indicate bacteria of intestinal origin. If repeated analyses do not show source of pollution nearby, the water may be considered satisfactory if inspected by Medical Officer of Health or Health Inspector.
Results for Fecal coliforms are presumptive and have not been confirmed by alternate culture media unless requested.

HG-EXT-LOW-ED	Water	Mercury (Hg)-Extractable		EPA 6020
HG-LOW-ED	Soil	Mercury (Hg)	EPA 3051	EPA 6020
MET1-EXT-LOW-ED	Water	Extractable Trace Metals (Low Level)		EPA 6020
MET2-EXT-ED	Water	Extractable Major Metals		EPA 200.7
METAL-LOW-EXD-ED	Soil	Metals (ICP/MS)	EPA 3051	EPA 6020
N-TOTKJ-ED	Water	Total Kjeldahl Nitrogen		APHA 4500N-C -Dig.-Auto-Colorimetry
N-TOTKJ-SK	Soil	Total Kjeldahl Nitrogen (Organic N)		CSSS 22.2-Titration
N2N3-ED	Water	Nitrate+Nitrite-N		APHA 4500 NO3H-Colorimetry
NO2-ED	Water	Nitrite-N		APHA 4500 NO2B-Colorimetry
NO3-ED	Water	Nitrate-N		APHA 4500 NO3H-Colorimetry
OGG-ED	Water	Oil and Grease-Gravimetric		APHA 5520 B Hexane MTBE ext. Gravime
OGG-ED	Soil	Oil and Grease-Gravimetric		APHA 5520 D-Soxhlet Extr. Gravimetri
P-TOT-SK	Soil	Total Phosphorus - HNO3/HClO4 digestion	ICP	SSSA (1996) p. 870-872

Kuo, S. 1996. Total Phosphorous, Digestion with Perchloric Acid. p. 870-872. In: J.M. Bartels et al. (ed.) Methods of Soil Analysis: Part 3 Chemical Methods. (3rd ed.) ASA and SSSA, Madison, WI. Book series no. 5

P-TOTAL-ED	Water	Phosphorus, Total		APHA4500-PBE Auto-Colorimetry
PAH-CCME-ED	Water	CCME PAHs	GC/MS	EPA 3510/8270-GC/MS
PAH-CCME-ED	Soil	CCME PAHs	GC/MS	EPA 3540/8270-GC/MS
PH/EC/ALK-ED	Water	pH, Conductivity and Total Alkalinity		APHA 4500-H, 2510, 2320
PHENOLS-CL	Water	Phenols (4AAP)		EPA 9066-Colorimetric
PHENOLS-CL	Soil	Phenols (4AAP)		EPA MAY813355-Colorimteric
		% Moisture		Oven dry 105C-Gravimetric

Reference Information

PREP-MOISTURE-ED	Soil			
SAR-CALC-ED	Soil	SAR		CSSS 18.4-Calculation
SAT/PH/EC-ED	Soil	pH and EC (Saturated Paste)		CSSS, Chp. 18 - Saturation Extract
SI-ED	Soil	Silicon (Si)	EPA 3050 EPA 3051	EPA 200.7
SI-EXT-ED	Water	Silicon (Si)-Extractable		EPA 200.7
SO4-SAR-ED	Soil	Sulfate (SO4) in saturated soil		APHA 3120 B-ICP-OES
TCC-MF-ED	Water	Total Coliform Count-MF		Standard Methods #9222B

Total coliform-Standard Methods for the Examination of Water and Wastewater, Method 9222B.
Abbreviations: MF-membrane filtration, CFU-colony forming unit, TNTC-too numerous to count.
Interpretation of Results:
SATISFACTORY-When no coliforms are detected.
UNSATISFACTORY-When fecal coliforms are present indicates pollution of intestinal origin and should not be used for drinking without treatment.
DOUBTFUL-When fecal coliforms are not present but other coliforms are present may or may not indicate bacteria of intestinal origin If repeated analysis do not show source of pollution nearby, the water may be considered satisfactory if inspected by Medical Officer of Health or Health Inspector.
Results are reported as presumptive for Total coliforms and have not been confirmed by an alternate culture media unless requested.

** Analytical Methods employed follow in-house standard operations procedures, which are generally based on US-EPA, ASTM, NIOSH and/or APHA methods.

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	Laboratory Definition Code	Laboratory Location
CL	Enviro-Test Laboratories - Calgary, Alberta, Canada	ED	Enviro-Test Laboratories - Edmonton, Alberta, Canada
SK	Enviro-Test Laboratories - Saskatoon, Saskatchewan, Canada	WT	Enviro-Test Laboratories - Waterloo (Sentinel), Ontario, Can

"Please note that there has been detection limit changes on some of the parameters for the following products as of 1 December 2001."
The following soil metal packages:
METAL-ED, METAL-EXD-ED, METAL-CCME-ED, METAL-G50-ED, METAL-PITS-BC-ED, METAL-SK-GL99-ED, METAL-OILYWST-ED and METAL-REFINEDOIL-ED,METAL-LOW-ED and METAL-LOW-EXD-ED
The following water metal package:
MET-TOT-LOW-ED

Test results reported relate only to the samples as received by the laboratory.
Although test results are generated under strict QA/QC protocols, any unsigned test reports, faxes, or emails are considered preliminary.

Enviro-Test Laboratories has an extensive QA/QC program where all analytical data reported is analyzed using approved referenced procedures followed by checks and reviews by senior managers and quality assurance personnel. However, since the results are obtained from chemical measurements and thus cannot be guaranteed, Enviro-Test Laboratories assumes no liability for the use or interpretation of the results.

Table C-5

Enviro-Test QC Report

ENVIRO-TEST QC REPORT

Workorder: L73497

Client: GOLDER ASSOCIATES LTD
17312 106 AVE
EDMONTON AB T5S 1H9

Contact: JON O'NEIL

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
BTX,F1-ED	Water							
Batch R86560								
WG75826-3 DUP		**L73306-4**						
Benzene		<0.0005	<0.0005	RPD-NA	mg/L	N/A	12	27-JUL-02
EthylBenzene		<0.0005	<0.0005	RPD-NA	mg/L	N/A	8.2	27-JUL-02
Toluene		<0.0005	<0.0005	RPD-NA	mg/L	N/A	6.8	27-JUL-02
F1(C6-C10)		<0.1	<0.1	RPD-NA	mg/L	N/A	7.8	27-JUL-02
Xylenes		<0.0005	<0.0005	RPD-NA	mg/L	N/A	9.2	27-JUL-02
WG75826-4 DUP		**L73306-2**						
Benzene		<0.0005	<0.0005	RPD-NA	mg/L	N/A	12	27-JUL-02
EthylBenzene		<0.0005	<0.0005	RPD-NA	mg/L	N/A	8.2	27-JUL-02
Toluene		<0.0005	<0.0005	RPD-NA	mg/L	N/A	6.8	27-JUL-02
F1(C6-C10)		<0.1	<0.1	RPD-NA	mg/L	N/A	7.8	27-JUL-02
Xylenes		<0.0005	<0.0005	RPD-NA	mg/L	N/A	9.2	27-JUL-02
WG75826-5 DUP		**L73199-2**						
Benzene		0.0054	0.0059		mg/L	8.0	12	27-JUL-02
EthylBenzene		0.18	0.17		mg/L	4.6	8.2	27-JUL-02
Toluene		<0.0005	<0.0005	RPD-NA	mg/L	N/A	6.8	27-JUL-02
F1(C6-C10)		0.5	0.5		mg/L	0.77	7.8	27-JUL-02
Xylenes		0.088	0.081		mg/L	7.5	9.2	27-JUL-02
WG75826-2 LCS								
Benzene			106		%		52-136	27-JUL-02
EthylBenzene			120		%		63-135	27-JUL-02
Toluene			117		%		57-132	27-JUL-02
F1(C6-C10)			91		%		55-129	27-JUL-02
Xylenes			109		%		60-128	27-JUL-02
WG75826-1 MB								
Benzene			<0.0005		mg/L		0.0005	27-JUL-02
EthylBenzene			<0.0005		mg/L		0.0005	27-JUL-02
Toluene			<0.0005		mg/L		0.0005	27-JUL-02
F1(C6-C10)			<0.1		mg/L		0.1	27-JUL-02
Xylenes			<0.0005		mg/L		0.0005	27-JUL-02
C-TOT-ORG-ED	Water							
Batch R85974								
WG75286-7 DUP		**L73396-1**						
Total Organic Carbon		12	12		mg/L	3.2	12	24-JUL-02
WG75286-2 LCS								

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
C-TOT-ORG-ED	Water							
Batch R85974								
WG75286-2 LCS								
Total Organic Carbon			97		%		75-125	24-JUL-02
WG75286-1 MB								
Total Organic Carbon			<1		mg/L		1	24-JUL-02
WG75286-10 MS		**L73449-1**						
Total Organic Carbon			103	H	%		83-103	24-JUL-02
WG75286-8 MS		**L73396-1**						
Total Organic Carbon			92		%		83-103	24-JUL-02
WG75286-9 MS		**L73442-1**						
Total Organic Carbon			92		%		83-103	24-JUL-02
CL-ED	Water							
Batch R86101								
WG75387-2 LCS								
Chloride (Cl)			101		%		94-107	25-JUL-02
WG75387-3 LCS								
Chloride (Cl)			99		%		75-125	25-JUL-02
WG75387-1 MB								
Chloride (Cl)			<1		mg/L		1	25-JUL-02
WG75387-11 MS		**L73196-4**						
Chloride (Cl)			100		%		96-108	25-JUL-02
WG75387-9 MS		**L73194-1**						
Chloride (Cl)			99		%		96-108	25-JUL-02
WG75387-10 MSD		**WG75387-9**						
Chloride (Cl)			100		%	1.3	5	25-JUL-02
WG75387-12 MSD		**WG75387-11**						
Chloride (Cl)			100		%	0.40	5	25-JUL-02
ETL-ROUTINE-ICP-ED	Water							
Batch R86417								
WG75725-4 DUP		**L73367-2**						
Calcium (Ca)		162	16.2		mg/L	0.12	5	27-JUL-02
Magnesium (Mg)		39.2	3.9		mg/L	0.48	5	27-JUL-02
Potassium (K)		3.3	0.3	J	mg/L	0.0	0.31	27-JUL-02
Sodium (Na)		409	41		mg/L	0.22	5	27-JUL-02
Sulfate (SO4)		126	12.5		mg/L	1.0	5	27-JUL-02
WG75725-6 DUP		**L73752-3**						
Calcium (Ca)		160	160		mg/L	0.23	5	27-JUL-02
Magnesium (Mg)		41.1	40.1		mg/L	2.7	5	27-JUL-02
Potassium (K)		10.1	10.4		mg/L	2.3	13	27-JUL-02
Sodium (Na)		626	613		mg/L	2.0	5	27-JUL-02
Sulfate (SO4)		1330	1290		mg/L	3.1	5	27-JUL-02
WG75725-8 DUP		**L73930-6**						

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ETL-ROUTINE-ICP-ED	Water							
Batch R86417								
WG75725-8 DUP		**L73930-6**						
Calcium (Ca)		20.1	20.1		mg/L	0.087	5	27-JUL-02
Magnesium (Mg)		8.9	8.9		mg/L	0.14	5	27-JUL-02
Potassium (K)		8.2	8.2		mg/L	0.29	13	27-JUL-02
Sodium (Na)		569	585		mg/L	2.8	5	27-JUL-02
Sulfate (SO4)		137	137		mg/L	0.27	5	27-JUL-02
WG75725-2 LCS								
Calcium (Ca)			98		%		96-109	27-JUL-02
Magnesium (Mg)			102		%		96-110	27-JUL-02
Potassium (K)			104		%		91-108	27-JUL-02
Sodium (Na)			98		%		93-107	27-JUL-02
Sulfate (SO4)			99		%		95-109	27-JUL-02
WG75725-3 LCS								
Calcium (Ca)			98		%		94-108	27-JUL-02
Magnesium (Mg)			99		%		95-109	27-JUL-02
Potassium (K)			97		%		95-108	27-JUL-02
Sodium (Na)			96		%		94-107	27-JUL-02
Sulfate (SO4)			103		%		96-110	27-JUL-02
WG75725-1 MB								
Calcium (Ca)			<0.5		mg/L		2.5	27-JUL-02
Magnesium (Mg)			<0.1		mg/L		0.5	27-JUL-02
Potassium (K)			<0.1		mg/L		0.5	27-JUL-02
Sodium (Na)			<1		mg/L		5	27-JUL-02
Sulfate (SO4)			<0.5		mg/L		2.5	27-JUL-02
WG75725-5 MS		**L73367-2**						
Calcium (Ca)			99		%		83-107	27-JUL-02
Magnesium (Mg)			99		%		89-112	27-JUL-02
Potassium (K)			96		%		90-116	27-JUL-02
Sodium (Na)			92		%		88-117	27-JUL-02
Sulfate (SO4)			101		%		90-116	27-JUL-02
WG75725-7 MS		**L73752-3**						
Calcium (Ca)			89		%		83-107	27-JUL-02
Magnesium (Mg)			89	H	%		89-112	27-JUL-02
Potassium (K)			90		%		90-116	27-JUL-02
Sodium (Na)			95		%		88-117	27-JUL-02
Sulfate (SO4)			100		%		90-116	27-JUL-02
WG75725-9 MS		**L73930-6**						
Calcium (Ca)			89		%		83-107	27-JUL-02
Magnesium (Mg)			90		%		89-112	27-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ETL-ROUTINE-ICP-ED	Water							
Batch R86417								
WG75725-9 MS		**L73930-6**						
Potassium (K)			92		%		90-116	27-JUL-02
Sodium (Na)			87	H	%		88-117	27-JUL-02
Sulfate (SO4)			108		%		90-116	27-JUL-02
F2-ED	Water							
Batch R86350								
WG75619-3 DUP		**L73199-2**						
F2 (>C10-C16)		5.7	5.2		mg/L	9.2	59	26-JUL-02
WG75619-4 DUP		**L71432-6**						
F2 (>C10-C16)		<0.05	<0.05	RPD-NA	mg/L	N/A	59	26-JUL-02
WG75619-5 DUP		**L73306-2**						
F2 (>C10-C16)		0.09	<0.05	RPD-NA	mg/L	N/A	59	26-JUL-02
WG75619-2 LCS								
F2 (>C10-C16)			96		%		77-126	26-JUL-02
WG75619-1 MB								
F2 (>C10-C16)			<0.05		mg/L		0.05	26-JUL-02
FCC-MF-ED	Water							
Batch R85909								
WG74996-4 MB								
MF - Fecal Coliforms			<1		CFU/100		1	23-JUL-02
HG-EXT-LOW-ED	Water							
Batch R86026								
WG75082-1 MB								
Mercury (Hg)-Extractable			<0.0001		mg/L		0.0005	24-JUL-02
MET1-EXT-LOW-ED	Water							
Batch R86026								
WG75082-4 DUP		**L73656-10**						
Arsenic (As)		0.0287	0.0290		mg/L	0.80	9	24-JUL-02
Barium (Ba)		0.0103	0.0103		mg/L	0.048	5.9	24-JUL-02
Boron (B)		0.301	0.304		mg/L	0.71	11	24-JUL-02
Cadmium (Cd)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	9.8	24-JUL-02
Chromium (Cr)		<0.0004	<0.0004	RPD-NA	mg/L	N/A	20	24-JUL-02
Copper (Cu)		0.0014	0.0013	J	mg/L	0.0000	0.0018	24-JUL-02
Lead (Pb)		0.0002	0.0002	J	mg/L	0.0000	0.00031	24-JUL-02
Selenium (Se)		<0.0004	<0.0004	RPD-NA	mg/L	N/A	22	24-JUL-02
Uranium (U)		0.0045	0.0045		mg/L	0.44	7.6	24-JUL-02
Zinc (Zn)		0.007	0.005	J	mg/L	0.002	0.0061	24-JUL-02
WG75082-6 DUP		**L73656-20**						

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-EXT-LOW-ED	Water							
Batch R86026								
WG75082-6 DUP		**L73656-20**						
Arsenic (As)		0.0007	0.0007	J	mg/L	0.0000	0.0012	24-JUL-02
Barium (Ba)		0.0556	0.0560		mg/L	0.71	5.9	24-JUL-02
Boron (B)		0.127	0.129		mg/L	1.7	11	24-JUL-02
Cadmium (Cd)		<0.0001	<0.0001	RPD-NA	mg/L	N/A	9.8	24-JUL-02
Chromium (Cr)		0.0006	0.0009	J	mg/L	0.0003	0.0012	24-JUL-02
Copper (Cu)		0.0904	0.0905		mg/L	0.10	6.7	24-JUL-02
Lead (Pb)		0.0022	0.0022		mg/L	3.2	11	24-JUL-02
Selenium (Se)		0.0054	0.0056		mg/L	3.6	22	24-JUL-02
Uranium (U)		0.0293	0.0296		mg/L	0.93	7.6	24-JUL-02
Zinc (Zn)		0.017	0.017		mg/L	2.4	14	24-JUL-02
WG75082-1 MB								
Aluminum (Al)			<0.01		mg/L		0.05	24-JUL-02
Antimony (Sb)			<0.0004		mg/L		0.002	24-JUL-02
Arsenic (As)			<0.0004		mg/L		0.002	24-JUL-02
Barium (Ba)			<0.0001		mg/L		0.0005	24-JUL-02
Beryllium (Be)			<0.0005		mg/L		0.0025	24-JUL-02
Bismuth (Bi)			0.00011		mg/L		0.00025	24-JUL-02
Boron (B)			<0.002		mg/L		0.01	24-JUL-02
Cadmium (Cd)			<0.0001		mg/L		0.0005	24-JUL-02
Chromium (Cr)			<0.0004		mg/L		0.002	24-JUL-02
Cobalt (Co)			<0.0001		mg/L		0.0005	24-JUL-02
Copper (Cu)			<0.0006		mg/L		0.003	24-JUL-02
Lead (Pb)			0.0001		mg/L		0.0005	24-JUL-02
Molybdenum (Mo)			<0.0001		mg/L		0.0005	24-JUL-02
Nickel (Ni)			<0.0001		mg/L		0.0005	24-JUL-02
Phosphorus (P)			<0.01		mg/L		0.01	24-JUL-02
Selenium (Se)			<0.0004		mg/L		0.002	24-JUL-02
Silver (Ag)			0.0002		mg/L		0.001	24-JUL-02
Strontium (Sr)			<0.0001		mg/L		0.0005	24-JUL-02
Thallium (Tl)			<0.00005		mg/L		0.00025	24-JUL-02
Tin (Sn)			<0.0002		mg/L		0.001	24-JUL-02
Titanium (Ti)			<0.0003		mg/L		0.0015	24-JUL-02
Uranium (U)			<0.0001		mg/L		0.0005	24-JUL-02
Vanadium (V)			<0.0001		mg/L		0.0005	24-JUL-02
Zinc (Zn)			<0.002		mg/L		0.01	24-JUL-02
WG75082-5 MS		**L73656-10**						
Aluminum (Al)			110		%		80-124	24-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-EXT-LOW-ED	Water							
Batch R86026								
WG75082-5 MS		**L73656-10**						
Antimony (Sb)			101		%		91-115	24-JUL-02
Arsenic (As)			103		%		91-121	24-JUL-02
Barium (Ba)			106		%		83-119	24-JUL-02
Beryllium (Be)			111		%		83-123	24-JUL-02
Bismuth (Bi)			99		%		83-123	24-JUL-02
Boron (B)			123		%		80-124	24-JUL-02
Cadmium (Cd)			101		%		90-112	24-JUL-02
Chromium (Cr)			102		%		85-119	24-JUL-02
Cobalt (Co)			99		%		88-116	24-JUL-02
Copper (Cu)			96		%		84-113	24-JUL-02
Lead (Pb)			100		%		86-116	24-JUL-02
Molybdenum (Mo)			105		%		88-120	24-JUL-02
Nickel (Ni)			97		%		88-112	24-JUL-02
Phosphorus (P)			100		%		85-125	24-JUL-02
Selenium (Se)			107		%		88-120	24-JUL-02
Silver (Ag)			95		%		54-142	24-JUL-02
Strontium (Sr)			96	E	%		68-134	24-JUL-02
Thallium (Tl)			100		%		88-116	24-JUL-02
Tin (Sn)			102		%		94-114	24-JUL-02
Titanium (Ti)			99		%		84-118	24-JUL-02
Uranium (U)			106		%		88-118	24-JUL-02
Vanadium (V)			104		%		88-118	24-JUL-02
Zinc (Zn)			104		%		77-127	24-JUL-02
WG75082-7 MS		**L73656-20**						
Aluminum (Al)			107		%		80-124	24-JUL-02
Antimony (Sb)			101		%		91-115	24-JUL-02
Arsenic (As)			105		%		91-121	24-JUL-02
Barium (Ba)			102		%		83-119	24-JUL-02
Beryllium (Be)			104		%		83-123	24-JUL-02
Bismuth (Bi)			98		%		83-123	24-JUL-02
Boron (B)			106		%		80-124	24-JUL-02
Cadmium (Cd)			100		%		90-112	24-JUL-02
Chromium (Cr)			100		%		85-119	24-JUL-02
Cobalt (Co)			99		%		88-116	24-JUL-02
Copper (Cu)			100		%		84-113	24-JUL-02
Lead (Pb)			98		%		86-116	24-JUL-02
Molybdenum (Mo)			100		%		88-120	24-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
MET1-EXT-LOW-ED	Water							
Batch R86026								
WG75082-7 MS		**L73656-20**						
Nickel (Ni)			98		%		88-112	24-JUL-02
Phosphorus (P)			102		%		85-125	24-JUL-02
Selenium (Se)			108		%		88-120	24-JUL-02
Silver (Ag)			97		%		54-142	24-JUL-02
Strontium (Sr)			88	E	%		68-134	24-JUL-02
Thallium (Tl)			100		%		88-116	24-JUL-02
Tin (Sn)			101		%		94-114	24-JUL-02
Titanium (Ti)			99		%		84-118	24-JUL-02
Uranium (U)			103		%		88-118	24-JUL-02
Vanadium (V)			102		%		88-118	24-JUL-02
Zinc (Zn)			103		%		77-127	24-JUL-02
MET2-EXT-ED	Water							
Batch R86477								
WG75433-1 MB								
Calcium (Ca)			<0.5		mg/L		2.5	26-JUL-02
Iron (Fe)			<0.005		mg/L		0.025	26-JUL-02
Magnesium (Mg)			<0.01		mg/L		0.05	26-JUL-02
Manganese (Mn)			<0.001		mg/L		0.005	26-JUL-02
Potassium (K)			<0.1		mg/L		0.5	26-JUL-02
Sodium (Na)			<0.5		mg/L		2.5	26-JUL-02
WG75433-9 MS		**L73978-1**						
Calcium (Ca)			102		%		95-113	26-JUL-02
Iron (Fe)			108		%		75-125	26-JUL-02
Magnesium (Mg)			111	H	%		88-108	26-JUL-02
Manganese (Mn)			110		%		75-125	26-JUL-02
Potassium (K)			113		%		96-117	26-JUL-02
Sodium (Na)			109		%		95-116	26-JUL-02
N-TOTKJ-ED	Water							
Batch R86179								
WG75482-2 LCS								
Total Kjeldahl Nitrogen			107		%		77-124	25-JUL-02
WG75482-1 MB								
Total Kjeldahl Nitrogen			<0.2		mg/L		0.2	25-JUL-02
N2N3-ED	Water							
Batch R86270								
WG75561-3 LCS								
Nitrate+Nitrite-N			98		%		93-107	26-JUL-02
WG75561-1 MB								

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
N2N3-ED	Water							
Batch R86270								
WG75561-1 MB								
Nitrate+Nitrite-N			<0.1		mg/L		0.1	26-JUL-02
WG75561-4 MS		**L73752-3**						
Nitrate+Nitrite-N			87	H	%		90-108	26-JUL-02
WG75561-6 MS		**L73930-3**						
Nitrate+Nitrite-N			104		%		90-108	26-JUL-02
WG75561-5 MSD		**WG75561-4**						
Nitrate+Nitrite-N			86		%	1.2	5	26-JUL-02
WG75561-7 MSD		**WG75561-6**						
Nitrate+Nitrite-N			105		%	1.4	5	26-JUL-02
NO2-ED	Water							
Batch R86270								
WG75561-2 LCS								
Nitrite-N			95		%		94-108	26-JUL-02
WG75561-1 MB								
Nitrite-N			<0.05		mg/L		0.05	26-JUL-02
WG75561-4 MS		**L73752-3**						
Nitrite-N			100		%		95-107	26-JUL-02
WG75561-6 MS		**L73930-3**						
Nitrite-N			101		%		95-107	26-JUL-02
WG75561-5 MSD		**WG75561-4**						
Nitrite-N			100.1		%	0.10	5	26-JUL-02
WG75561-7 MSD		**WG75561-6**						
Nitrite-N			100.3		%	0.70	5	26-JUL-02
OGG-ED	Water							
Batch R86245								
WG75537-2 LCS								
Oil and Grease			81		%		80-105	26-JUL-02
WG75537-1 MB								
Oil and Grease			<1		mg		1	26-JUL-02
P-TOTAL-ED	Water							
Batch R86184								
WG75490-4 DUP		**L73594-1**						
Phosphorus, Total		2.82	2.81		mg/L	0.51	6.7	26-JUL-02
WG75490-8 DUP		**L73223-4**						
Phosphorus, Total		1.60	1.59		mg/L	0.79	6.7	26-JUL-02
WG75490-3 LCS								
Phosphorus, Total			97		%		90-108	26-JUL-02
WG75490-1 MB								
Phosphorus, Total			<0.02		mg/L		0.02	26-JUL-02
WG75490-5 MS		**L73497-1**						
Phosphorus, Total			98		%		93-117	26-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PAH-CCME-ED	Water							
Batch R86351								
WG74886-2 LCS								
Acenaphthene			95		%		79-103	27-JUL-02
Acridine			99		%		83-107	27-JUL-02
Anthracene			93		%		78-106	27-JUL-02
Benzo(a)anthracene			95		%		81-107	27-JUL-02
Benzo(a)pyrene			92		%		81-108	27-JUL-02
Benzo(b)fluoranthene			89		%		81-108	27-JUL-02
Benzo(k)fluoranthene			92		%		85-107	27-JUL-02
Chrysene			81		%		81-106	27-JUL-02
Dibenzo(a,h)anthracene			96		%		74-109	27-JUL-02
Fluoranthene			95		%		77-107	27-JUL-02
Fluorene			97		%		80-105	27-JUL-02
Indeno(1,2,3-cd)pyrene			91		%		76-108	27-JUL-02
Naphthalene			85		%		77-103	27-JUL-02
Phenanthrene			93		%		80-108	27-JUL-02
Pyrene			94		%		78-106	27-JUL-02
WG74886-1 MB								
Acenaphthene			<0.00001		mg/L		0.00001	27-JUL-02
Acridine			<0.00001		mg/L		0.00001	27-JUL-02
Anthracene			<0.00001		mg/L		0.00001	27-JUL-02
Benzo(a)anthracene			<0.00001		mg/L		0.00001	27-JUL-02
Benzo(a)pyrene			<0.00001		mg/L		0.00001	27-JUL-02
Benzo(b)fluoranthene			<0.00001		mg/L		0.00001	27-JUL-02
Benzo(k)fluoranthene			<0.00001		mg/L		0.00001	27-JUL-02
Chrysene			<0.00001		mg/L		0.00001	27-JUL-02
Dibenzo(a,h)anthracene			<0.00001		mg/L		0.00001	27-JUL-02
Fluoranthene			<0.00001		mg/L		0.00001	27-JUL-02
Fluorene			<0.00001		mg/L		0.00001	27-JUL-02
Indeno(1,2,3-cd)pyrene			<0.00001		mg/L		0.00001	27-JUL-02
Naphthalene			<0.00001		mg/L		0.00001	27-JUL-02
Phenanthrene			0.00001		mg/L		0.00001	27-JUL-02
Pyrene			<0.00001		mg/L		0.00001	27-JUL-02
Quinoline			<0.00001		mg/L		0.00001	27-JUL-02
PH/EC/ALK-ED	Water							
Batch R86252								
WG75498-10 DUP		**L71858-14**						
Alkalinity, Total (as CaCO3)		12	13	J	mg/L	0	15	26-JUL-02
Bicarbonate (HCO3)		15	15	J	mg/L	0	15	26-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PH/EC/ALK-ED	Water							
Batch R86252								
WG75498-10 DUP		**L71858-14**						
Carbonate (CO3)		<5	<5	RPD-NA	mg/L	N/A	20	26-JUL-02
Conductivity (EC)		53.0	54.0		uS/cm	1.9	5.5	26-JUL-02
Hydroxide (OH)		<5	<5	RPD-NA	mg/L	N/A	20	26-JUL-02
pH		7.1	7.1	J	pH	0.0	0.1	26-JUL-02
WG75498-11 DUP		**L73485-1**						
Alkalinity, Total (as CaCO3)		311	314		mg/L	0.82	5	26-JUL-02
Bicarbonate (HCO3)		380	383		mg/L	0.82	20	26-JUL-02
Carbonate (CO3)		<5	<5	RPD-NA	mg/L	N/A	20	26-JUL-02
Conductivity (EC)		1170	1170		uS/cm	0.38	5.5	26-JUL-02
Hydroxide (OH)		<5	<5	RPD-NA	mg/L	N/A	20	26-JUL-02
pH		7.9	7.9	J	pH	0.0	0.1	26-JUL-02
WG75498-8 DUP		**L73384-21**						
Alkalinity, Total (as CaCO3)		90	91		mg/L	0.96	5	26-JUL-02
Bicarbonate (HCO3)		110	111		mg/L	0.96	20	26-JUL-02
Carbonate (CO3)		<5	<5	RPD-NA	mg/L	N/A	20	26-JUL-02
Conductivity (EC)		7130	7180		uS/cm	0.77	5.5	26-JUL-02
Hydroxide (OH)		<5	<5	RPD-NA	mg/L	N/A	20	26-JUL-02
pH		6.8	6.8	J	pH	0.0	0.1	26-JUL-02
WG75498-9 DUP		**L73487-7**						
Alkalinity, Total (as CaCO3)		359	359		mg/L	0.015	5	26-JUL-02
Bicarbonate (HCO3)		437	437		mg/L	0.016	20	26-JUL-02
Carbonate (CO3)		<5	<5	RPD-NA	mg/L	N/A	20	26-JUL-02
Conductivity (EC)		687	691		uS/cm	0.58	5.5	26-JUL-02
Hydroxide (OH)		<5	<5	RPD-NA	mg/L	N/A	20	26-JUL-02
pH		6.9	7.0	J	pH	0.0	0.1	26-JUL-02
WG75498-1 LCS								
pH			4.0		pH		3.9-4.1	26-JUL-02
WG75498-2 LCS								
pH			7.0		pH		6.9-7.1	26-JUL-02
WG75498-3 LCS								
pH			10.1		pH		9.9-10.1	26-JUL-02
WG75498-4 LCS								
Conductivity (EC)			105		%		102-110	26-JUL-02
WG75498-5 LCS								
Conductivity (EC)			101		%		99-107	26-JUL-02
WG75498-6 LCS								
Conductivity (EC)			99		%		98-106	26-JUL-02
WG75498-7 LCS								
Alkalinity, Total (as CaCO3)			103		%		96-109	26-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
PHENOLS-CL	Water							
Batch R86064								
WG75356-3 DUP		L73553-1						
Phenols (4AAP)		<0.001	<0.001	RPD-NA	mg/L	N/A	13	25-JUL-02
WG75356-4 DUP		L73613-2						
Phenols (4AAP)		<0.001	<0.001	RPD-NA	mg/L	N/A	13	25-JUL-02
WG75356-6 DUP		L73759-1						
Phenols (4AAP)		<0.001	<0.001	RPD-NA	mg/L	N/A	13	25-JUL-02
WG75356-7 DUP		L73763-5						
Phenols (4AAP)		<0.001	<0.001	RPD-NA	mg/L	N/A	13	25-JUL-02
WG75356-2 LCS								
Phenols (4AAP)			91		%		86-100	25-JUL-02
WG75356-1 MB								
Phenols (4AAP)			<0.001		mg/L		0.001	25-JUL-02
WG75356-5 MS		L73613-2						
Phenols (4AAP)			96		%		83-111	25-JUL-02
WG75356-8 MS		L73763-5						
Phenols (4AAP)			107		%		83-111	25-JUL-02
SI-EXT-ED	Water							
Batch R86477								
WG75433-1 MB								
Silicon (Si)-Extractable			<0.1		mg/L		0.5	26-JUL-02
C-TOT-ORG-WB-SK	Soil							
Batch R86109								
WG75278-1 DUP		L73118-7						
Organic Carbon		1.1	1.1		%	0.0	20	25-JUL-02
Organic Matter		1.9	1.9	J	%	0.0	0.38	25-JUL-02
WG75278-2 DUP		L73118-15						
Organic Carbon		2.4	2.4		%	0.0	20	25-JUL-02
Organic Matter		4.1	4.1		%	0.0	15	25-JUL-02
WG75278-3 IRM								
Organic Matter			3.9		%		3.5-4.3	25-JUL-02
CL-SAR-ED	Soil							
Batch R86282								
WG75565-5 DUP		L73741-13						
Chloride (Cl)		13	14		mg/L	2.4	12	26-JUL-02
WG75565-7 DUP		L73856-6						
Chloride (Cl)		11	10		mg/L	4.9	12	26-JUL-02
WG75565-9 DUP		L73859-1						
Chloride (Cl)		201	194		mg/L	3.3	12	26-JUL-02
WG75565-4 IRM								
Chloride (Cl)			92		%		57-143	26-JUL-02
WG75565-6 MS		L73741-4						

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
CL-SAR-ED	Soil							
Batch R86282								
WG75565-6 MS		L73741-4						
Chloride (Cl)			100		%		95-109	26-JUL-02
WG75565-8 MS		L73856-6						
Chloride (Cl)			109		%		95-109	26-JUL-02
ETL-BTX,TVH-CCME-ED	Soil							
Batch R86378								
WG74908-1 DUP		L73249-1						
Benzene		0.10	0.11		mg/kg	8.3	38	28-JUL-02
Ethylbenzene		2.4	3.0		mg/kg	20	47	28-JUL-02
Toluene		0.40	0.47		mg/kg	16	37	28-JUL-02
TVH: (C6-C10 / No BTEX Correction)		190	150		mg/kg	20	38	28-JUL-02
Xylenes		14	16		mg/kg	14	50	28-JUL-02
WG75650-2 LCS								
Benzene			99		%		71-118	26-JUL-02
Ethylbenzene			92		%		65-118	26-JUL-02
Toluene			112		%		64-119	26-JUL-02
TVH: (C6-C10 / No BTEX Correction)			81		%		70-130	26-JUL-02
Xylenes			88		%		77-119	26-JUL-02
WG75650-1 MB								
Benzene			<0.01		mg/kg		0.01	26-JUL-02
Ethylbenzene			<0.01		mg/kg		0.01	26-JUL-02
Toluene			<0.01		mg/kg		0.01	26-JUL-02
TVH: (C6-C10 / No BTEX Correction)			<5		mg/kg		5	26-JUL-02
Xylenes			<0.01		mg/kg		0.01	26-JUL-02
WG74908-2 MS		L73159-1						
Benzene			85		%		59-123	26-JUL-02
Ethylbenzene			95		%		59-123	26-JUL-02
Toluene			79		%		53-121	26-JUL-02
TVH: (C6-C10 / No BTEX Correction)			104		%		47-131	26-JUL-02
Xylenes			100		%		57-125	26-JUL-02
ETL-TEH-CCME-ED	Soil							
Batch R85957								
WG75272-3 DUP		L73339-2						
TEH: (C10-C16)		<5	6	RPD-NA	mg/kg	N/A	43	24-JUL-02
TEH: (C16-C34)		53	49		mg/kg	9.3	43	24-JUL-02
TEH: (C34-C50)		34	30		mg/kg	15	43	24-JUL-02
WG75272-2 LCS								
TEH: (C10-C16)			87		%		61-121	24-JUL-02
TEH: (C16-C34)			87		%		61-121	24-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
ETL-TEH-CCME-ED	Soil							
Batch R85957								
WG75272-2 LCS								
TEH: (C34-C50)			87		%		61-121	24-JUL-02
WG75272-1 MB								
TEH: (C10-C16)			<5		mg/kg		5	24-JUL-02
TEH: (C16-C34)			<5		mg/kg		5	24-JUL-02
TEH: (C34-C50)			<5		mg/kg		5	24-JUL-02
HG-LOW-ED	Soil							
Batch R86310								
WG75299-2 CRM								
Mercury (Hg)			97		%		79-121	26-JUL-02
WG75299-1 MB								
Mercury (Hg)			<0.05		mg/kg		0.25	26-JUL-02
METAL-LOW-EXD-ED	Soil							
Batch R86310								
WG75299-2 CRM								
Arsenic (As)			116	H	%		84-116	26-JUL-02
Barium (Ba)			108		%		88-112	26-JUL-02
Boron (B)			137		%		32-168	26-JUL-02
Cadmium (Cd)			96		%		84-116	26-JUL-02
Calcium (Ca)			108		%		78-122	26-JUL-02
Chromium (Cr)			119		%		79-121	26-JUL-02
Cobalt (Co)			107		%		89-111	26-JUL-02
Copper (Cu)			112		%		85-115	26-JUL-02
Iron (Fe)			117		%		80-120	26-JUL-02
Lead (Pb)			89		%		87-113	26-JUL-02
Magnesium (Mg)			110		%		87-113	26-JUL-02
Manganese (Mn)			106		%		88-112	26-JUL-02
Nickel (Ni)			108		%		83-117	26-JUL-02
Potassium (K)			136	G	%		84-116	26-JUL-02
Selenium (Se)			120		%		60-140	26-JUL-02
Sodium (Na)			137	G	%		77-123	26-JUL-02
Strontium (Sr)			110		%		87-113	26-JUL-02
Vanadium (V)			123		%		71-129	26-JUL-02
Zinc (Zn)			107		%		85-115	26-JUL-02
WG75299-1 MB								
Aluminum (Al)			<50		mg/kg		250	26-JUL-02
Arsenic (As)			<0.5		mg/kg		2.5	26-JUL-02
Barium (Ba)			<5		mg/kg		25	26-JUL-02
Beryllium (Be)			<0.2		mg/kg		1	26-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
METAL-LOW-EXD-ED	Soil							
Batch R86310								
WG75299-1 MB								
Bismuth (Bi)			<0.5		mg/kg		2.5	26-JUL-02
Boron (B)			<2		mg/kg		10	26-JUL-02
Cadmium (Cd)			<0.1		mg/kg		0.5	26-JUL-02
Calcium (Ca)			<100		mg/kg		500	26-JUL-02
Chromium (Cr)			<0.2		mg/kg		1	26-JUL-02
Cobalt (Co)			<0.1		mg/kg		0.5	26-JUL-02
Copper (Cu)			<2		mg/kg		10	26-JUL-02
Iron (Fe)			<200		mg/kg		1000	26-JUL-02
Lead (Pb)			<0.5		mg/kg		2.5	26-JUL-02
Magnesium (Mg)			10		mg/kg		50	26-JUL-02
Manganese (Mn)			<0.5		mg/kg		2.5	26-JUL-02
Molybdenum (Mo)			<0.1		mg/kg		0.5	26-JUL-02
Nickel (Ni)			<0.5		mg/kg		2.5	26-JUL-02
Potassium (K)			<20		mg/kg		100	26-JUL-02
Selenium (Se)			<0.2		mg/kg		1	26-JUL-02
Silver (Ag)			<0.1		mg/kg		0.5	26-JUL-02
Sodium (Na)			110	A	mg/kg		100	26-JUL-02
Strontium (Sr)			<1		mg/kg		5	26-JUL-02
Thallium (Tl)			<0.05		mg/kg		0.25	26-JUL-02
Tin (Sn)			2.0	A	mg/kg		0.5	26-JUL-02
Titanium (Ti)			<0.5		mg/kg		2.5	26-JUL-02
Uranium (U)			<0.1		mg/kg		0.5	26-JUL-02
Vanadium (V)			<0.1		mg/kg		0.5	26-JUL-02
Zinc (Zn)			5		mg/kg		25	26-JUL-02
N-TOTKJ-SK	Soil							
Batch R86255								
WG75253-2 CRM								
Total Kjeldahl Nitrogen			0.22		%		.19-.25	26-JUL-02
WG75253-1 DUP		**L73450-2**						
Total Kjeldahl Nitrogen		0.07	0.07	J	%	0.00	0.1	26-JUL-02
OGG-ED	Soil							
Batch R86098								
WG75362-3 DUP		**L73497-2**						
Oil-Gravimetric		100	200	J	mg/kg	0	310	25-JUL-02
WG75362-2 LCS								
Oil-Gravimetric			101		%		94-109	25-JUL-02
WG75362-1 MB								
Oil-Gravimetric			<100		mg		100	25-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
P-TOT-SK	Soil							
Batch R86163								
WG75287-2 CRM								
Phosphorus, Total			105		%		81-119	26-JUL-02
WG75287-3 DUP		**L73497-2**						
Phosphorus, Total		560	550		mg/kg	3.3	15	26-JUL-02
WG75287-1 MB								
Phosphorus, Total			<90		mg/kg		90	26-JUL-02
PAH-CCME-ED	Soil							
Batch R86412								
WG74873-1 MB								
Benzo(a)anthracene			<0.01		mg/kg		0.01	27-JUL-02
Benzo(a)pyrene			<0.01		mg/kg		0.01	27-JUL-02
Benzo(b)fluoranthene			<0.01		mg/kg		0.01	27-JUL-02
Benzo(k)fluoranthene			<0.01		mg/kg		0.01	27-JUL-02
Dibenzo(a,h)anthracene			<0.01		mg/kg		0.01	27-JUL-02
Indeno(1,2,3-cd)pyrene			<0.01		mg/kg		0.01	27-JUL-02
Naphthalene			<0.01		mg/kg		0.01	27-JUL-02
Phenanthrene			0.02	A	mg/kg		0.01	27-JUL-02
Pyrene			<0.01		mg/kg		0.01	27-JUL-02
Quinoline			<0.01		mg/kg		0.01	27-JUL-02
WG74873-3 MS		**L73497-2**						
Benzo(a)anthracene			99		%		83-109	28-JUL-02
Benzo(a)pyrene			89		%		79-108	28-JUL-02
Benzo(b)fluoranthene			90		%		80-108	28-JUL-02
Benzo(k)fluoranthene			88		%		73-103	28-JUL-02
Dibenzo(a,h)anthracene			81		%		71-113	28-JUL-02
Indeno(1,2,3-cd)pyrene			72	H	%		76-111	28-JUL-02
Naphthalene			80		%		72-107	28-JUL-02
Phenanthrene			96		%		80-114	28-JUL-02
Pyrene			99		%		77-107	28-JUL-02
Quinoline			88		%		73-107	28-JUL-02
PHENOLS-CL	Soil							
Batch R86064								
WG75356-9 DUP		**L73497-2**						
Phenols (4AAP)		<0.03	<0.03	RPD-NA	mg/kg	N/A	13	25-JUL-02
WG75356-2 LCS								
Phenols (4AAP)			91		%		86-100	25-JUL-02
WG75356-1 MB								
Phenols (4AAP)			<0.03		mg/kg		0.03	25-JUL-02
WG75356-10 MS		**L73497-2**						
Phenols (4AAP)			91		%		72-112	25-JUL-02

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SAR-CALC-ED	Soil							
Batch R86290								
WG75555-6 DUP		**L73856-6**						
Calcium (Ca)		66.0	61.5		mg/L	7.2	18	26-JUL-02
Magnesium (Mg)		13.5	12.9		mg/L	4.9	25	26-JUL-02
Potassium (K)		8.7	7.9		mg/L	9.8	43	26-JUL-02
Sodium (Na)		7	6		mg/L	19	22	26-JUL-02
WG75555-8 DUP		**L73368-5**						
Calcium (Ca)		485	494		mg/L	1.8	18	26-JUL-02
Magnesium (Mg)		219	223		mg/L	1.5	25	26-JUL-02
Potassium (K)		90.2	89.4		mg/L	0.92	43	26-JUL-02
Sodium (Na)		835	835		mg/L	0.070	22	26-JUL-02
WG75555-12 IRM								
Calcium (Ca)			94		%		89-111	26-JUL-02
Magnesium (Mg)			95		%		73-127	26-JUL-02
Potassium (K)			107		%		83-117	26-JUL-02
Sodium (Na)			101		%		85-112	26-JUL-02
WG75555-13 IRM								
Calcium (Ca)			102		%		89-111	26-JUL-02
Magnesium (Mg)			101		%		73-127	26-JUL-02
Potassium (K)			91		%		83-117	26-JUL-02
Sodium (Na)			96		%		85-112	26-JUL-02
WG75555-1 MB								
Calcium (Ca)			<0.5		mg/L		2.5	26-JUL-02
Magnesium (Mg)			<0.1		mg/L		0.5	26-JUL-02
Potassium (K)			<0.1		mg/L		0.5	26-JUL-02
Sodium (Na)			<1		mg/L		5	26-JUL-02
WG75555-7 MS		**L73856-6**						
Calcium (Ca)			91	H	%		92-114	26-JUL-02
Magnesium (Mg)			93		%		93-113	26-JUL-02
Potassium (K)			95		%		93-115	26-JUL-02
Sodium (Na)			93		%		92-114	26-JUL-02
WG75555-9 MS		**L73368-5**						
Calcium (Ca)			106		%		92-114	26-JUL-02
Magnesium (Mg)			102		%		93-113	26-JUL-02
Potassium (K)			109		%		93-115	26-JUL-02
Sodium (Na)			111		%		92-114	26-JUL-02
SAT/PH/EC-ED	Soil							
Batch R86203								
WG75298-2 DUP		**L73368-5**						
% Saturation		51.5	51.2		%	0.58	6.2	26-JUL-02
						0.40	5.5	

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SAT/PH/EC-ED	Soil							
Batch R86203								
WG75298-2 DUP		**L73368-5**						
Conductivity Sat. Paste		7.49	7.52		dS m-1	0.40	5.5	26-JUL-02
pH in Saturated Paste		7.8	7.8	J	pH	0.0	0.2	26-JUL-02
WG75298-1 IRM								
% Saturation			102		%		94-106	26-JUL-02
Conductivity Sat. Paste			85	H	%		90-110	26-JUL-02
pH in Saturated Paste			7.6		pH		7.3-7.9	26-JUL-02
WG75298-3 LCS								
pH in Saturated Paste			4.0		pH		3.9-4.1	26-JUL-02
WG75298-4 LCS								
pH in Saturated Paste			7.0		pH		6.9-7.1	26-JUL-02
WG75298-5 LCS								
pH in Saturated Paste			10.0		pH		9.9-10.1	26-JUL-02
WG75298-6 LCS								
Conductivity Sat. Paste			110	G	%		93-106	26-JUL-02
WG75298-7 LCS								
Conductivity Sat. Paste			101		%		97-105	26-JUL-02
WG75298-8 LCS								
Conductivity Sat. Paste			102		%		98-106	26-JUL-02
SI-ED	Soil							
Batch R86643								
WG75455-5 DUP		**L73497-2**						
Silicon (Si)		298000	313000		mg/kg	5.1	20	29-JUL-02
WG75455-1 MB								
Silicon (Si)			730	A	mg/kg		250	29-JUL-02
WG75455-2 MB								
Silicon (Si)			1020	A	mg/kg		250	29-JUL-02
SO4-SAR-ED	Soil							
Batch R86290								
WG75555-6 DUP		**L73856-6**						
Sulphate (SO4)		25.6	24.6		mg/L	4.2	32	26-JUL-02
WG75555-8 DUP		**L73368-5**						
Sulphate (SO4)		2360	2350		mg/L	0.33	32	26-JUL-02
WG75555-12 IRM								
Sulphate (SO4)			110		%		87-113	26-JUL-02
WG75555-13 IRM								
Sulphate (SO4)			102		%		87-113	26-JUL-02
WG75555-1 MB								
Sulphate (SO4)			<0.5		mg/L		0.5	26-JUL-02
WG75555-7 MS		**L73856-6**						
Sulphate (SO4)			94		%		75-125	26-JUL-02
WG75555-9 MS		**L73368-5**						

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
SO4-SAR-ED	Soil							
Batch R86290								
WG75555-9 MS		**L73368-5**						
Sulphate (SO4)			121		%		75-125	26-JUL-02

Product - Batch and Sample Number Relations:

BTX,F1-ED	1	
R86560		L73497-1
C-TOT-ORG-ED	1	
R85974		L73497-1
CL-ED	1	
R86101		L73497-1
CN-TOT-WT	1	
R87055		L73497-1
ETL-ROUTINE-ICP-ED	1	
R86417		L73497-1
F2-ED	1	
R86350		L73497-1
FCC-MF-ED	1	
R85909		L73497-1
HG-EXT-LOW-ED	1	
R86026		L73497-1
MET1-EXT-LOW-ED	1	
R86026		L73497-1
MET1-EXT-LOW-ED	1	
R86477		L73497-1
MET2-EXT-ED	1	
R86477		L73497-1
N-TOTKJ-ED	1	
R86179		L73497-1
N2N3-ED	1	
R86270		L73497-1
NO2-ED	1	
R86270		L73497-1
NO3-ED	1	
R86270		L73497-1
OGG-ED	1	
R86245		L73497-1
P-TOTAL-ED	1	
R86184		L73497-1
PAH-CCME-ED	1	
R86351		L73497-1
PH/EC/ALK-ED	1	
R86252		L73497-1

ENVIRO-TEST QC REPORT

Workorder: L73497

Test	Matrix	Reference	Result	Qualifier	Units	RPD	Limit	Analyzed
Product - Batch and Sample Number Relations:								
PHENOLS-CL	1							
R86064		L73497-1						
SI-EXT-ED	1							
R86477		L73497-1						
TCC-MF-ED	1							
R85909		L73497-1						
C-TOT-ORG-WB-SK	2							
R86109		L73497-2						
CL-SAR-ED	2							
R86282		L73497-2						
CN-TOT-WT	2							
R87055		L73497-2						
ETL-BTX,TVH-CCME-ED	2							
R86378		L73497-2						
ETL-TEH-CCME-ED	2							
R85957		L73497-2						
HG-LOW-ED	2							
R86310		L73497-2						
METAL-LOW-EXD-ED	2							
R86310		L73497-2						
N-TOTKJ-SK	2							
R86255		L73497-2						
OGG-ED	2							
R86098		L73497-2						
P-TOT-SK	2							
R86163		L73497-2						
PAH-CCME-ED	2							
R86412		L73497-2						
PHENOLS-CL	2							
R86064		L73497-2						
PREP-MOISTURE-ED	2							
R85939		L73497-2						
SAR-CALC-ED	2							
R86290		L73497-2						
SAT/PH/EC-ED	2							
R86203		L73497-2						
SI-ED	2							
R86643		L73497-2						
SO4-SAR-ED	2							
R86290		L73497-2						

Workorder # L73497

Legend:

Limit	95% Confidence Interval (Laboratory Warning Limits)
DUP	Duplicate
RPD	Relative Percent Difference ((higher result-lower result)/Average, expressed as %)
N/A	Not Available
LCS	Laboratory Control Sample
SRM	Standard Reference Materials
MS	Matrix Spike
MSD	Matrix Spike Duplicate
ADE	Average Desorption Efficiency
MB	Method Blank
IRM	Internal Reference Material
CRM	Certified Reference Material

Qualifier:

RPD-NA	Relative Percent Difference Not Available due to result(s) being less than detection limit.
A	Method blank exceeds acceptance limit. Blank correction applied, where appropriate.
B	Method blank result exceeds acceptance limit, however, it is less than 5% of sample concentration. Blank correction not applied.
D	Duplicate result may exceed limit due to increased variability for low level samples.
E	Matrix spike recovery may fall outside the acceptance limits due to high sample background.
F	Silver recovery low, likely due to elevated choride levels in sample.
G	Outlier - No assignable cause for nonconformity has been determined.
H	Result falls within the 99% Confidence Interval (Laboratory Control Limits)
J	Duplicate results and limit(s) are expressed in terms of absolute difference.

APPENDIX D

PLANKTON AND BENTHOS DATA

Table D-1. Phytoplankton densities and biovolume at the proposed Marine Docking Facility, Kugluktuk, July 2002.

Taxonomic Group	Site L-1 (1.5 m)[1]	
	Density (No. cells/mL)	Biovolume ($\mu m^3 x 10^3$/mL)
Bacillariophyta (Diatoms)		
Chaetoceros sp.	102.15	87.72
Cyclotella ocellata	7.53	1.65
Melosira varians	2.37	40.71
Navicula sp.	0.34	0.21
Nitzschia sp.	0.86	0.62
Achnanthes minutissima	1.03	0.36
Navicula cryptocephala	0.34	0.49
Synedra actinastroides	1.71	0.42
Synedra ulna	0.34	0.50
Achnanthes flexa	P[2]	P
Cocconeis diminuta	P	P
Cocconeis placentula	P	P
Cymbella affinis	P	P
Cymbella delicatula	P	P
Cymbella minuta	P	P
Diatoma elongatum	P	P
Diatoma sp.	P	P
Gyrosigma sp.	P	P
Navicula anglica	P	P
Navicula bacillum	P	P
Navicula minima	P	P
Navicula schroeteri	P	P
Nitzschia amphibia	P	P
Navicula sp.	P	P
Nitzschia sp.	P	P
Pennularia intermedia	P	P
Stephanodiscus astraea	P	P
Tabellaria fenestrata	P	P
Tabellaria flocculosa	P	P
Bacillariophyta Total	**116.66**	**132.68**
Chrysophyta (Golden-Brown algae)		
Kephyrion sp.	10.95	2.07
Dinobryon sp.	P	P
Chrysophyta Total	**10.95**	**2.07**
Chlorophyta (Green algae)		
Scenedesmus sp.	1.37	0.11
Cosmarium sp.	0.34	0.07
Ankistrodesmus falcatus	0.68	0.07
Oocystis pusilla	1.71	0.11
Ankistrodesmus convolutus	1.03	0.01
Pediastrum sp.	0.34	0.04
Chlorophyta Total	**5.48**	**0.40**
Cryptophyta (cryptomonads)		
Cryptomonas sp.	2.17	2.74
Rhodomonas maculata	P	P
Cryptophyta Total	**2.17**	**2.74**
Pyrrophyta (Dinoflagellates)		
Glenodinium sp.	1.54	3.12
Peridium sp.	P	P
Pyrrophyta Total	**1.54**	**3.12**
Totals	**136.80**	**141.01**

[1]Water column depth.

[2]P= present in sample

Table D-2. Zooplankton densities at the proposed Marine Docking Facility, Kugluktuk, July 2002.

Taxonomic Group	Site		Mean Density (animals/m^3)
	L-1 (1.5 m)[1] Density (animals/m^3)	L-2 (5.0 m) Density (animals/m^3)	
ROTIFERA (wheel animals)			
Kellicottia longispina	1.0		
Keratella quadrata	1.0		
Unidentified	11.0	6.0	
Total Rotifera	**13.0**	**6.0**	**9.5**
NEMATODA (roundwroms)			
Unidentified		2.4	**2.4**
POLYCHAETA (bristleworms)			
Unidentified		6.9	
Syllidae		2.4	
Total Polychaeta		**9.3**	**9.3**
CLADOCERA (water fleas)			
Daphnia sp. (dried up)	10.0		
Podon leuckarti		0.3	
Total Cladocera	**10.0**	**0.3**	**5.1**
CIRRIPEDIA (barnacles)			
Unidentified		0.3	**0.1**
COPEPODA			
Calanoida			
Acartia sp.		0.3	
Acartia sp.		0.3	
Acartia sp.		0.9	
Acartia sp.		0.3	
Pseudocalanus minutus		11.7	
Leptodiaptomus sicilis		3.0	
Leptodiaptomus sp.		0.6	
Unidentified Calanoida (dried up)	1.0		
Unidentified Calanoida		16.2	
Total Calanoida	**1.0**	**33.3**	**17.1**
Cyclopoida			
Oithona similis		5.4	
Oncaea borealis		2.4	
Unidentified Cyclopoida (dried up)	5.0		
Unidentified Cyclopoida		39.0	
Total Cyclopoida	**5.0**	**46.8**	**25.9**
Harpacticoida			
Ectinosoma sp.	3.0		
Microsetella norvegica		0.9	
Unidentified Harpacticoida		0.3	
Unidentified Harpacticoida	5.0	54.0	
Total Harpacticoida	**8.0**	**55.2**	**31.6**
DECAPODA (crayfishes, shrimps)			
Brachyura		0.3	**0.1**
CHAETOGNATHA (arrowworms)			
Sagitta elegans		0.6	**0.3**
MOLLUSCA (snails and clams)			
Gastropoda		0.3	**0.1**
LARVACEA (tunicates)			
Fritillaria borealis		2.1	**1.0**
Total Density	**37.0**	**156.8**	**96.9**

[1]Water column depth.

Table D-3. Benthic macroinvertebrate densities at the proposed Marine Docking Facility, Kugluktuk, July 2002.

Taxonomic Group	Rep 1 (2.2 m)[1] (animals/m^2)	Rep 2 (2.4 m) (animals/m^2)	Rep 4 (2.0 m) (animals/m^2)	Mean (animals/m^2)	SE	Percent
PLATYHELMINTHES (flatworms)						
nr. *Strongylosoma* sp.	130	174	130	**145**	**14**	**0.5**
TARDIGRADA (water bears)						
Unidentified			87	**29**		**0.1**
NEMATODA (roundworms)						
Unidentified	2000	4957	4696	**3884**	**945**	**12.9**
ANNELIDA (bristleworms)						
Polychaeta Sedentaria						
Marenzelleria wireni	261	391	6435	2362	**2037**	
Marenzelleria wireni	478	348	652	493	**88**	
Oligochaeta						
Marionina sp.	10565	13261	18870	14232	**2446**	
Marionina sp.	4696	5217	3739	4551	**433**	
Annelida Totals	**16000**	**19217**	**29696**	**21638**	**4135**	**71.8**
COPEPODA						
Harpacticoida						
Thalestris gibba	2957	6391	2087	3812	**1314**	
Ectinosoma sp.	304	435	304	348	**43**	
Copepoda Totals	**3261**	**6826**	**2391**	**4159**	**1357**	**13.8**
OSTRACODA (seed shrimps)						
Cypria sp.	43			**14**		**0.05**
ISOPODA (aquatic sow bugs)						
Saduria entomon			43	**14**		**0.05**
ARACHNIDA						
Oribatidae	174	43	43	87	**43**	
Hydracarina			43	14		
Torrenticola	43			14		
Arachnida Total	**217**	**43**	**87**	**116**	**52**	**0.4**
INSECTA						
Muscidae	43			14		
Chironomidae	43			14		
Chironomini			43	14		
Orthocladiinae			130	43		
Orthocladiinae			43	14		
Diamesinae			43	14		
Insecta Total	**87**		**261**	**116**	**77**	**0.4**
Totals	**21739**	**31217**	**37391**	**30116**	**4552**	

[1]Water column depth.

APPENDIX E

FISH DATA

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
110	ARCH	97					FN	7/18/2002	1		WB	0	
64	ARCH	190	8				FN	7/18/2002	1		EB	0	
513	ARCH	90					FN	7/19/2002	3		WB	0	
304	ARCH	145	70				FN	7/19/2002	2		EB	1	
448	ARCH	495	976		B	671	FN	7/19/2002	3		EB	0	
150	ARCH	555	1395	1			FN	7/19/2002	2		EB	1	
161	ARCH	655	2165	15			FN	7/19/2002	2		EB	1	
139	ARCH	663	3450				FN	7/19/2002	2		EB	0	
446	ARCH	665	2400		B	673	FN	7/19/2002	3		EB	0	
447	ARCH	665	3000		B	672	FN	7/19/2002	3		EB	0	
445	ARCH	673	2500		B	674	FN	7/19/2002	3		EB	0	
444	ARCH	774	5000		B	675	FN	7/19/2002	3		EB	0	
151	ARCH	855	600				FN	7/19/2002	2		EB	0	
528	ARCH	567	1100		B	667	GN	7/20/2002	RUN #1	1	EAST	0	VERY SKINNY
548	ARCH	575	1975		B	653	GN	7/20/2002	PULLED	1	EAST	0	EAST OF FYKE NET
527	ARCH	680	2600		B	668	GN	7/20/2002	3	1	EAST	0	
547	ARCH	830	5600		B	652	GN	7/20/2002	PULLED	1	EAST	0	KYPE
594	ARCH	490	810		B	658	FN	7/21/2002	4		EB	0	
821	ARCH	560	1715		B	661	FN	7/21/2002	5		EB	0	
558	ARCH	635	2090		B	655	FN	7/21/2002	4		EB	0	
559	ARCH	648	2085		B	656	FN	7/21/2002	4		EB	0	
557	ARCH	713	3600		B	654	FN	7/21/2002	4		EB	0	
771	ARCH	745	4500		B	666	FN	7/21/2002	5		EB	0	
662	ARCH						FN	7/21/2002	4		WB	0	OBS AT WB CHECK (~400+ mm)
663	ARCH						FN	7/21/2002	4		WB	0	OBS AT WB CHECK (~400+ mm)
1168	ARCH	93					FN	7/22/2002	6		WB	1	
1102	ARCH	95					FN	7/22/2002	6		WB	0	
1214	ARCH	115	45				FN	7/22/2002	7		EB	0	
1011	ARCH	140	30				FN	7/22/2002	6		EB	1	
937	ARCH	148	55				FN	7/22/2002	6		EB	1	
1166	ARCH	175					FN	7/22/2002	6		WB	1	
857	ARCH	640	2385		B	676	FN	7/22/2002	6		EB	0	
1322	ARCH	635	2236	15			GN	7/23/2002	PULLED	2	WEST	1	ST=15 TAPE WORMS IN FISH REMAINS
1323	ARCH	683	3700	5			GN	7/23/2002	PULLED	2	WEST	1	ST=15 TAPE WORMS IN FISH REMAINS
1287	ARCH	813	5300		B	685	GN	7/23/2002	RUN #2	3	EAST	0	WEST OF FYKE NET
1327	ARCH	96	5				BS	7/24/2002	H1	5	WEST	0	ROCK SHORE
1406	ARCH	108					FN	7/24/2002	8		WB	0	
1343	ARCH	461	900		B	689	FN	7/24/2002	8		EB	0	
1342	ARCH	585	2036		B	688	FN	7/24/2002	8		EB	0	
1329	ARCH	800	6000		B	687	GN	7/24/2002	RUN #1	3	WEST	0	WEST OF FYKE NET
1910	ARCH	92					FN	7/25/2002	10		WB	0	
1908	ARCH	95					FN	7/25/2002	10		WB	0	
1787	ARCH	453	766		B	700	FN	7/25/2002	10		EB	0	
1436	ARCH	610	2186		B	694	FN	7/25/2002	9		EB	0	
1788	ARCH	637	2400		B	751	FN	7/25/2002	10		EB	0	
1786	ARCH	652	2500		B	699	FN	7/25/2002	10		EB	0	
1434	ARCH	653	2188		B	692	FN	7/25/2002	9		EB	0	
1435	ARCH	654	2186		B	693	FN	7/25/2002	9		EB	0	
1785	ARCH	724	3000				FN	7/25/2002	10		EB	0	
1852	ARCH	730	3400		B	754	FN	7/25/2002	10		WB	0	
1774	ARCH	752	2500		B	695	GN	7/25/2002	RUN #1	4	WEST	0	VERY SKINNY
2000	ARCH	87					FN	7/26/2002	11		EB	0	
2052	ARCH	106					FN	7/26/2002	11		WB	0	
2028	ARCH	195					FN	7/26/2002	11		WB	0	
1919	ARCH	495	1200		B	763	FN	7/26/2002	11		EB	0	
1918	ARCH	571	1500		B	762	FN	7/26/2002	11		EB	0	
1916	ARCH	624	2500		B	760	FN	7/26/2002	11		EB	0	
1917	ARCH	644	2500		B	761	FN	7/26/2002	11		EB	0	
1912	ARCH	672	3500		B	756	FN	7/26/2002	11		EB	0	
1913	ARCH	686	3200		B	757	FN	7/26/2002	11		EB	0	
1914	ARCH	693	2200		B	758	FN	7/26/2002	11		EB	0	SKINNY
1915	ARCH	695	3200		B	759	FN	7/26/2002	11		EB	0	
1911	ARCH	773	3600		B	755	FN	7/26/2002	11		EB	0	KYPE
3114	ARCH	240					FN	8/29/2002	12		WB	0	
3104	ARCH	520	800			770	FN	8/29/2002	12		WB	0	SKINNY
3102	ARCH	689	3800			768	FN	8/29/2002	12		WB	0	
3080	ARCH	705	2400			767	FN	8/29/2002	12		EB	0	
3078	ARCH	706	2900			765	FN	8/29/2002	12		EB	0	
3079	ARCH	728	3900			766	FN	8/29/2002	12		EB	0	
3334	ARCH	234	172				FN	8/30/2002	14		EB	0	
3362	ARCH	392	710			532	FN	8/30/2002	14		EB	0	
3165	ARCH	435	744	12			FN	8/30/2002	13		EB	1	ST=0
3363	ARCH	480	972				FN	8/30/2002	14		EB	0	
3290	ARCH	504	920			972	FN	8/30/2002	13		WB	0	SKINNY
3215	ARCH	546	1578			772	FN	8/30/2002	13		EB	0	
3214	ARCH	615	1400			771	FN	8/30/2002	13		EB	0	SKINNY

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3293	ARCH	640	2060	14			FN	8/30/2002	13		WB	1	ST=0
3292	ARCH	665	2048				FN	8/30/2002	13		WB	0	Flesh on tail rotting
3217	ARCH	677					FN	8/30/2002	13		EB	0	Yellowish color along ventral surface
3216	ARCH	815	4600			773	FN	8/30/2002	13		EB	0	
3291	ARCH	821	3300			973	FN	8/30/2002	13		WB	0	SKINNY
3405	ARCH	350	308				FN	8/31/2002	15		EB	0	
3444	ARCH	600	1596	15			FN	8/31/2002	15		EB	1	ST=0
3419	ARCH	648	1646				FN	8/31/2002	15		EB	0	
3487	ARCH	656	1926	15			FN	8/31/2002	15		EB	1	ST=0
3443	ARCH	672	1928	5			FN	8/31/2002	15		EB	1	ST=0
3424	ARCH	681	1768				FN	8/31/2002	15		EB	0	SKINNY
3447	ARCH	695	1718			534	FN	8/31/2002	15		EB	0	SKINNY
3761	ARCH	382	316			998	FN	9/1/2002	17		EB	0	SKINNY
3762	ARCH	457	822			997	FN	9/1/2002	17		EB	0	
3740	ARCH	514	1500			542	GN	9/1/2002	PULLED	7	EAST	0	EAST OF FYKE NET
3735	ARCH	521	1600			544	GN	9/1/2002	PULLED	7	EAST	0	EAST OF FYKE NET
3571	ARCH	525	1100				FN	9/1/2002	16		EB	1	ST=0 Rotten Tail
3733	ARCH	540	1700	15			GN	9/1/2002	PULLED	7	EAST	1	ST=0
3760	ARCH	605	244			999	FN	9/1/2002	17		EB	0	
3631	ARCH	659	3000			540	FN	9/1/2002	16		WB	0	
3569	ARCH	666	2600			537	FN	9/1/2002	16		EB	0	
3570	ARCH	708	2600			538	FN	9/1/2002	16		EB	0	
3630	ARCH	774	4100			539	FN	9/1/2002	16		WB	0	
3758	ARCH	778	3400				FN	9/1/2002	17		EB	0	SKINNY (flesh gone from tail)
3632	ARCH	780	3100			541	FN	9/1/2002	16		WB	0	SKINNY
3568	ARCH	825	5000			536	FN	9/1/2002	16		EB	0	KIPE
3734	ARCH	5563	1900			543	GN	9/1/2002	PULLED	7	EAST	0	EAST OF FYKE NET
3852	ARCH	872	7000	4			FN	9/2/2002	18		WB	1	Found dead ST=10 Tape worms
3757	ARCH	307	250				FN	9/3/2002	17		EB	0	
3743	ARCH	348	458	11			GN	9/3/2002	PULLED	7	EAST	1	ST=0
3738	ARCH	370	422	1			GN	9/3/2002	PULLED	7	EAST	1	ST=10 Tape worms
4149	ARCH	532	1300	15			FN	9/3/2002	19		EB	1	ST=0
4150	ARCH	572	1700	5			FN	9/3/2002	19		EB	1	ST=0
4078	ARCH	630	2200				FN	9/3/2002	19		WB	0	
4151	ARCH	680	3100	5			FN	9/3/2002	19		EB	1	ST=0
138	ARCS	110	15				FN	7/18/2002	1		WB	0	
132	ARCS	114	20				FN	7/18/2002	1		WB	0	
43	ARCS	130	26				FN	7/18/2002	1		EB	0	
62	ARCS	143	36				FN	7/18/2002	1		EB	0	
53	ARCS	151	30				FN	7/18/2002	1		EB	0	
52	ARCS	152	28				FN	7/18/2002	1		EB	0	
57	ARCS	158	32				FN	7/18/2002	1		EB	0	
54	ARCS	160					FN	7/18/2002	1		EB	0	
92	ARCS	160	56				FN	7/18/2002	1		EB	0	
2	ARCS	162	25				FN	7/18/2002	1		EB	1	
48	ARCS	203	88				FN	7/18/2002	1		EB	0	
1	ARCS	218	85				FN	7/18/2002	1		EB	1	
495	ARCS	115					FN	7/19/2002	3		WB	0	
514	ARCS	115					FN	7/19/2002	3		WB	0	
512	ARCS	120					FN	7/19/2002	3		WB	0	
517	ARCS	148					FN	7/19/2002	3		WB	0	
648	ARCS	130	25				FN	7/21/2002	4		EB	1	
643	ARCS	135	20				FN	7/21/2002	4		EB	1	
577	ARCS	153	35				FN	7/21/2002	4		EB	0	
785	ARCS	159	45				FN	7/21/2002	5		EB	0	
575	ARCS	185	55				FN	7/21/2002	4		EB	0	
587	ARCS	185	60				FN	7/21/2002	4		EB	1	
573	ARCS	190	65				FN	7/21/2002	4		EB	0	
650	ARCS	195	65				FN	7/21/2002	4		EB	1	
783	ARCS	195	75				FN	7/21/2002	5		EB	0	
776	ARCS	197	85				FN	7/21/2002	5		EB	0	
570	ARCS	200	65				FN	7/21/2002	4		EB	0	
779	ARCS	210	85				FN	7/21/2002	5		EB	0	
780	ARCS	216	80				FN	7/21/2002	5		EB	0	
862	ARCS	129	15				FN	7/22/2002	6		EB	0	
1259	ARCS	142					FN	7/22/2002	7		WB	0	
1012	ARCS	149	30				FN	7/22/2002	6		EB	1	
863	ARCS	150	25				FN	7/22/2002	6		EB	0	
1002	ARCS	150	15				FN	7/22/2002	6		EB	1	
959	ARCS	176	45				FN	7/22/2002	6		EB	1	
1213	ARCS	180	75				FN	7/22/2002	7		EB	1	
1181	ARCS	182	65				FN	7/22/2002	7		EB	0	
1177	ARCS	185					FN	7/22/2002	7		EB	0	EVENING CHECK
964	ARCS	192	40				FN	7/22/2002	6		EB	1	
957	ARCS	193	50				FN	7/22/2002	6		EB	1	
864	ARCS	196	65				FN	7/22/2002	6		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1004	ARCS	200	55				FN	7/22/2002	6		EB	1	
976	ARCS	204	55				FN	7/22/2002	6		EB	1	
963	ARCS	205	55				FN	7/22/2002	6		EB	1	
953	ARCS	215	85				FN	7/22/2002	6		EB	1	
945	ARCS	226	85				FN	7/22/2002	6		EB	1	
946	ARCS	237	105				FN	7/22/2002	6		EB	1	
878	ARCS	317	335				FN	7/22/2002	6		EB	1	
1228	ARCS	338	420	4			FN	7/22/2002	7		EB	1	ST=5 (CAPELIN EGGS)
782	ARCS	400	805				FN	7/22/2002	6		EB	0	
871	ARCS	435	935				FN	7/22/2002	6		EB	0	
1272	ARCS	32					BS	7/23/2002	1	1	WEST	1	
1296	ARCS	86	16				BS	7/23/2002	H3	3	EAST	0	EAST OF FYKE NET
1295	ARCS	87	18				BS	7/23/2002	H1	3	EAST	0	EAST OF FYKE NET
1310	ARCS	92	12				BS	7/23/2002	H3	4	WEST	0	WEST OF FYKE NET
1305	ARCS	97	10				BS	7/23/2002	H2	4	WEST	0	WEST OF FYKE NET
1285	ARCS	98	20				BS	7/23/2002	H3	2	EAST	0	EAST OF SEWAGE OUTFLOW
1283	ARCS	99	16				BS	7/23/2002	H1	2	EAST	0	EAST OF SEWAGE OUTFLOW
1282	ARCS	100	18				BS	7/23/2002	H1	2	EAST	0	EAST OF SEWAGE OUTFLOW
1292	ARCS	100	12				BS	7/23/2002	H1	3	EAST	0	EAST OF FYKE NET
1294	ARCS	102	20				BS	7/23/2002	H1	3	EAST	0	EAST OF FYKE NET
1306	ARCS	105	14				BS	7/23/2002	H2	4	WEST	0	WEST OF FYKE NET
1293	ARCS	110	15				BS	7/23/2002	H1	3	EAST	0	EAST OF FYKE NET
1300	ARCS	125	18				BS	7/23/2002	H1	4	WEST	0	WEST OF FYKE NET
1304	ARCS	125	26				BS	7/23/2002	H2	4	WEST	1	
1308	ARCS	129	18				BS	7/23/2002	H2	4	WEST	0	WEST OF FYKE NET
1307	ARCS	133	30				BS	7/23/2002	H2	4	WEST	0	WEST OF FYKE NET
1302	ARCS	136	26				BS	7/23/2002	H1	4	WEST	0	WEST OF FYKE NET
1303	ARCS	144	28				BS	7/23/2002	H1	4	WEST	1	
1309	ARCS	145	30				BS	7/23/2002	H3	4	WEST	0	WEST OF FYKE NET
1278	ARCS	149	32				BS	7/23/2002	H1	2	EAST	0	EAST OF SEWAGE OUTFLOW
1301	ARCS	150	30				BS	7/23/2002	H1	4	WEST	0	WEST OF FYKE NET
1299	ARCS	154	38				BS	7/23/2002	H1	4	WEST	0	WEST OF FYKE NET
1281	ARCS	160	42				BS	7/23/2002	H1	2	EAST	0	EAST OF SEWAGE OUTFLOW
1280	ARCS	173	46				BS	7/23/2002	H1	2	EAST	0	EAST OF SEWAGE OUTFLOW
1328	ARCS	36					BS	7/24/2002	H1	5	WEST	1	
1351	ARCS	177					FN	7/24/2002	8		EB	1	
1348	ARCS	195	52				FN	7/24/2002	8		EB	1	
1339	ARCS	200	102				GN	7/24/2002	PULLED	3	WEST	0	WEST OF FYKE NET
1340	ARCS	203	94				GN	7/24/2002	PULLED	3	WEST	0	WEST OF FYKE NET
1350	ARCS	212					FN	7/24/2002	8		EB	1	
1347	ARCS	215	100				FN	7/24/2002	8		EB	1	
1374	ARCS	290	258				FN	7/24/2002	8		WB	0	
1346	ARCS	316	330				FN	7/24/2002	8		EB	0	
1331	ARCS	393	814	14			GN	7/24/2002	RUN #1	3	WEST	1	EAST OF SEWAGE OUTFLOW ST=0
1330	ARCS	457	1130	4			GN	7/24/2002	RUN #1	3	WEST	1	EAST OF SEWAGE OUTFLOW ST=0
1856	ARCS	65					FN	7/25/2002	10		WB	0	
1808	ARCS	137					FN	7/25/2002	10		EB	0	
1800	ARCS	162					FN	7/25/2002	10		EB	0	
1779	ARCS	413	876		B	697	GN	7/25/2002	PULLED	4	WEST	0	WEST OF CAMPGOUND
1778	ARCS	420	894		B	696	GN	7/25/2002	PULLED	4	WEST	0	WEST OF CAMPGOUND
1789	ARCS	453	980		B	752	FN	7/25/2002	10		EB	0	
1938	ARCS	143					FN	7/26/2002	11		EB	0	
1935	ARCS	169					FN	7/26/2002	11		EB	0	
3110	ARCS	245					FN	8/29/2002	12		WB	0	
3081	ARCS	273					FN	8/29/2002	12		EB	0	
3372	ARCS	68					FN	8/30/2002	14		WB	0	
3248	ARCS	170	32				FN	8/30/2002	13		WB	0	
3295	ARCS	175					BS	8/30/2002	H1	9	WEST	0	WEST OF FYKE NET
3322	ARCS	190	84				FN	8/30/2002	14		EB	0	
3327	ARCS	190	60				FN	8/30/2002	14		EB	0	
3321	ARCS	192	58				FN	8/30/2002	14		EB	0	
3160	ARCS	200	68				FN	8/30/2002	13		EB	1	
3323	ARCS	202	28				FN	8/30/2002	14		EB	0	
3313	ARCS	203	72				FN	8/30/2002	14		EB	0	
3308	ARCS	204	136				FN	8/30/2002	14		EB	0	
3355	ARCS	212	92				FN	8/30/2002	14		EB	0	
3318	ARCS	213	86				FN	8/30/2002	14		EB	0	
3329	ARCS	213	108				FN	8/30/2002	14		EB	0	
3335	ARCS	213	84				FN	8/30/2002	14		EB	0	
3316	ARCS	214	78				FN	8/30/2002	14		EB	0	
3320	ARCS	216	106				FN	8/30/2002	14		EB	0	
3326	ARCS	216	84				FN	8/30/2002	14		EB	0	
3305	ARCS	217	96				FN	8/30/2002	14		EB	0	
3310	ARCS	217	50				FN	8/30/2002	14		EB	0	
3317	ARCS	218	90				FN	8/30/2002	14		EB	0	
3331	ARCS	220	120				FN	8/30/2002	14		EB	0	

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Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3312	ARCS	223	58				FN	8/30/2002	14		EB	0	
3304	ARCS	224	108				FN	8/30/2002	14		EB	0	
3175	ARCS	232	136				FN	8/30/2002	13		WB	0	
3319	ARCS	232	98				FN	8/30/2002	14		EB	0	
3314	ARCS	233	96				FN	8/30/2002	14		EB	0	
3351	ARCS	238	126				FN	8/30/2002	14		EB	0	
3332	ARCS	253	136				FN	8/30/2002	14		EB	0	
3352	ARCS	260	182				FN	8/30/2002	14		EB	0	
3301	ARCS	262	164				FN	8/30/2002	14		EB	0	
3344	ARCS	284	256				FN	8/30/2002	14		EB	0	
3350	ARCS	368	550			529	FN	8/30/2002	14		EB	0	
3441	ARCS	232					FN	8/31/2002	15		EB	0	
3546	ARCS	254					GN	8/31/2002	PULLED	5	WEST	0	Tubercles
3540	ARCS	289					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3437	ARCS	292	128				FN	8/31/2002	15		EB	0	
3438	ARCS	298	112				FN	8/31/2002	15		EB	0	
3440	ARCS	335	452				FN	8/31/2002	15		EB	0	
3550	ARCS	337		11			GN	8/31/2002	PULLED	5	WEST	1	WEST OF FYKE NET
3537	ARCS	365					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3559	ARCS	370	616				GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3547	ARCS	382					GN	8/31/2002	PULLED	5	WEST	0	Tubercles
3541	ARCS	402					GN	8/31/2002	PULLED	5	WEST	0	Tubercles
3548	ARCS	405					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3539	ARCS	416					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3558	ARCS	427	872				GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3561	ARCS	432	1020				GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3538	ARCS	441					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3557	ARCS	445					GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3553	ARCS	462					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3815	ARCS	62					FN	9/1/2002	17		EB	0	
3810	ARCS	65					FN	9/1/2002	17		EB	0	
3778	ARCS	66					FN	9/1/2002	17		EB	0	
3790	ARCS	66					FN	9/1/2002	17		EB	0	
3793	ARCS	66					FN	9/1/2002	17		EB	0	
3806	ARCS	66					FN	9/1/2002	17		EB	0	
3808	ARCS	66					FN	9/1/2002	17		EB	0	
3809	ARCS	66					FN	9/1/2002	17		EB	0	
3811	ARCS	66					FN	9/1/2002	17		EB	0	
3801	ARCS	67					FN	9/1/2002	17		EB	0	
3774	ARCS	68					FN	9/1/2002	17		EB	0	
3799	ARCS	70					FN	9/1/2002	17		EB	0	
3813	ARCS	70					FN	9/1/2002	17		EB	0	
3805	ARCS	72					FN	9/1/2002	17		EB	0	
3807	ARCS	74					FN	9/1/2002	17		EB	0	
3812	ARCS	74					FN	9/1/2002	17		EB	0	
3772	ARCS	75					FN	9/1/2002	17		EB	0	
3782	ARCS	75					FN	9/1/2002	17		EB	0	
3802	ARCS	75					FN	9/1/2002	17		EB	0	
3781	ARCS	77					FN	9/1/2002	17		EB	0	
3803	ARCS	77					FN	9/1/2002	17		EB	0	
3797	ARCS	80					FN	9/1/2002	17		EB	0	
3804	ARCS	80					FN	9/1/2002	17		EB	0	
3814	ARCS	80					FN	9/1/2002	17		EB	0	
3851	ARCS	81					FN	9/1/2002	17		WB	0	
3685	ARCS	158					FN	9/1/2002	16		WB	0	
3766	ARCS	162					FN	9/1/2002	17		EB	0	
3765	ARCS	165					FN	9/1/2002	17		EB	0	
3771	ARCS	170					FN	9/1/2002	17		EB	0	
3842	ARCS	172					FN	9/1/2002	17		WB	0	
3742	ARCS	300	226				GN	9/1/2002	PULLED	7	EAST	0	EAST OF FYKE NET
3739	ARCS	380	566	14			GN	9/1/2002	PULLED	7	EAST	1	ST=0
3741	ARCS	382	668	4			GN	9/1/2002	PULLED	7	EAST	1	ST=0 Tubercles
4025	ARCS	49					FN	9/2/2002	18		EB	0	
4035	ARCS	54					FN	9/2/2002	18		EB	0	
4011	ARCS	57					FN	9/2/2002	18		EB	0	
4020	ARCS	57					FN	9/2/2002	18		EB	0	
4018	ARCS	58					FN	9/2/2002	18		EB	0	
4008	ARCS	59					FN	9/2/2002	18		EB	0	
4040	ARCS	59					FN	9/2/2002	18		EB	0	
4013	ARCS	60					FN	9/2/2002	18		EB	0	
4032	ARCS	60					FN	9/2/2002	18		EB	0	
4038	ARCS	60					FN	9/2/2002	18		EB	0	
4042	ARCS	60					FN	9/2/2002	18		EB	0	
4019	ARCS	61					FN	9/2/2002	18		EB	0	
4022	ARCS	61					FN	9/2/2002	18		EB	0	
4024	ARCS	61					FN	9/2/2002	18		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
4029	ARCS	61					FN	9/2/2002	18		EB	0	
4033	ARCS	61					FN	9/2/2002	18		EB	0	
4034	ARCS	61					FN	9/2/2002	18		EB	0	
4030	ARCS	62					FN	9/2/2002	18		EB	0	
4031	ARCS	62					FN	9/2/2002	18		EB	0	
4041	ARCS	62					FN	9/2/2002	18		EB	0	
4017	ARCS	63					FN	9/2/2002	18		EB	0	
4023	ARCS	63					FN	9/2/2002	18		EB	0	
4012	ARCS	64					FN	9/2/2002	18		EB	0	
4015	ARCS	65					FN	9/2/2002	18		EB	0	
4016	ARCS	66					FN	9/2/2002	18		EB	0	
4021	ARCS	66					FN	9/2/2002	18		EB	0	
4036	ARCS	66					FN	9/2/2002	18		EB	0	
4026	ARCS	67					FN	9/2/2002	18		EB	0	
4037	ARCS	67					FN	9/2/2002	18		EB	0	
4009	ARCS	68					FN	9/2/2002	18		EB	0	
4027	ARCS	68					FN	9/2/2002	18		EB	0	
4007	ARCS	70					FN	9/2/2002	18		EB	0	
4028	ARCS	70					FN	9/2/2002	18		EB	0	
4039	ARCS	70					FN	9/2/2002	18		EB	0	
4010	ARCS	72					FN	9/2/2002	18		EB	0	
4014	ARCS	80					FN	9/2/2002	18		EB	0	
3903	ARCS	191					FN	9/2/2002	18		WB	0	
4053	ARCS	206	94				GN	9/2/2002	PULLED	8	NORTH	0	NORTH OF FYKE NET
4046	ARCS	305	280				GN	9/2/2002	PULLED	8	NORTH	0	NORTH OF FYKE NET
4043	ARCS	379	532			995	GN	9/2/2002	PULLED	8	NORTH	0	NORTH OF FYKE NET
4050	ARCS	395	738	15			GN	9/2/2002	PULLED	8	NORTH	1	ST=0
4066	ARCS	202					FN	9/3/2002	19		WB	0	
122	ARFL	164	45				FN	7/18/2002	1		WB	0	
90	ARFL	200	112				FN	7/18/2002	1		EB	0	
99	ARFL	200	120				FN	7/18/2002	1		WB	0	
37	ARFL	222	114				FN	7/18/2002	1		EB	0	
25	ARFL	230	205				FN	7/18/2002	1		EB	0	
81	ARFL	245	208				FN	7/18/2002	1		EB	0	
35	ARFL	247	144				FN	7/18/2002	1		EB	0	
30	ARFL	250	235				FN	7/18/2002	1		EB	0	
39	ARFL	250	256				FN	7/18/2002	1		EB	0	
95	ARFL	254	245				FN	7/18/2002	1		WB	0	
26	ARFL	260	250				FN	7/18/2002	1		EB	0	
87	ARFL	272	304				FN	7/18/2002	1		EB	0	
12	ARFL	287	345				FN	7/18/2002	1		EB	0	
29	ARFL	290	345				FN	7/18/2002	1		EB	0	
10	ARFL	296	320				FN	7/18/2002	1		EB	0	
32	ARFL	306	392				FN	7/18/2002	1		EB	0	
31	ARFL	310	492				FN	7/18/2002	1		EB	0	
17	ARFL	335	530				FN	7/18/2002	1		EB	0	
482	ARFL	155					FN	7/19/2002	3		EB	0	
526	ARFL	155					FN	7/19/2002	3		WB	0	
441	ARFL	160	65				FN	7/19/2002	2		WB	0	
480	ARFL	165					FN	7/19/2002	3		EB	0	
519	ARFL	165					FN	7/19/2002	3		WB	0	
525	ARFL	165					FN	7/19/2002	3		WB	0	
292	ARFL	170	85				FN	7/19/2002	2		EB	1	
378	ARFL	175					FN	7/19/2002	2		WB	0	
318	ARFL	205	205				FN	7/19/2002	2		EB	1	
212	ARFL	220	140				FN	7/19/2002	2		EB	0	
296	ARFL	222	165				FN	7/19/2002	2		EB	1	
281	ARFL	230	185				FN	7/19/2002	2		EB	1	
523	ARFL	230					FN	7/19/2002	3		WB	0	
234	ARFL	235	190				FN	7/19/2002	2		EB	0	
229	ARFL	240	195				FN	7/19/2002	2		EB	0	
300	ARFL	240	255				FN	7/19/2002	2		EB	1	
282	ARFL	245	290				FN	7/19/2002	2		EB	1	
235	ARFL	250	155				FN	7/19/2002	2		EB	0	
226	ARFL	260	245				FN	7/19/2002	2		EB	0	
202	ARFL	265	300				FN	7/19/2002	2		EB	0	
276	ARFL	265	255				FN	7/19/2002	2		EB	1	
522	ARFL	265					FN	7/19/2002	3		WB	0	
215	ARFL	270	275				FN	7/19/2002	2		EB	0	
377	ARFL	273					FN	7/19/2002	2		WB	0	
275	ARFL	275	295				FN	7/19/2002	2		EB	0	
283	ARFL	275	260				FN	7/19/2002	2		EB	1	
443	ARFL	279					FN	7/19/2002	2		WB	0	
216	ARFL	280	295				FN	7/19/2002	2		EB	0	
191	ARFL	290	340				FN	7/19/2002	2		EB	0	
285	ARFL	305	385				FN	7/19/2002	2		EB	1	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
180	ARFL	310	415				FN	7/19/2002	2		EB	0	
188	ARFL	310	375				FN	7/19/2002	2		EB	0	
203	ARFL	310	270				FN	7/19/2002	2		EB	0	
274	ARFL	315	480				FN	7/19/2002	2		EB	1	
627	ARFL	158	95				FN	7/21/2002	4		EB	0	
624	ARFL	160	120				FN	7/21/2002	4		EB	0	
625	ARFL	160	125				FN	7/21/2002	4		EB	0	
727	ARFL	160					FN	7/21/2002	4		WB	0	
853	ARFL	160	55				FN	7/21/2002	5		WB	0	
623	ARFL	165	110				FN	7/21/2002	4		EB	0	
852	ARFL	166	60				FN	7/21/2002	5		WB	0	
622	ARFL	170	110				FN	7/21/2002	4		EB	0	
615	ARFL	174	155				FN	7/21/2002	4		EB	0	
611	ARFL	180	140				FN	7/21/2002	4		EB	0	
621	ARFL	215	195				FN	7/21/2002	4		EB	0	
820	ARFL	257	195				FN	7/21/2002	5		EB	0	
612	ARFL	260	205				FN	7/21/2002	4		EB	0	
626	ARFL	260	335				FN	7/21/2002	4		EB	0	
628	ARFL	260	305				FN	7/21/2002	4		EB	0	
603	ARFL	265	210				FN	7/21/2002	4		EB	0	
609	ARFL	270	225				FN	7/21/2002	4		EB	0	
819	ARFL	300	380				FN	7/21/2002	5		EB	0	
851	ARFL	310	375				FN	7/21/2002	5		WB	0	
620	ARFL	325	530				FN	7/21/2002	4		EB	0	
619	ARFL	335	540				FN	7/21/2002	4		EB	0	
914	ARFL	153	75				FN	7/22/2002	6		EB	0	
916	ARFL	160	55				FN	7/22/2002	6		EB	0	
913	ARFL	161	75				FN	7/22/2002	6		EB	0	
910	ARFL	162	90				FN	7/22/2002	6		EB	0	
911	ARFL	162	80				FN	7/22/2002	6		EB	0	
1139	ARFL	162	55				FN	7/22/2002	6		WB	0	
936	ARFL	164	90				FN	7/22/2002	6		EB	0	
1138	ARFL	165	35				FN	7/22/2002	6		WB	0	
1142	ARFL	165	60				FN	7/22/2002	6		WB	0	
1144	ARFL	165	70				FN	7/22/2002	6		WB	0	
1137	ARFL	167	60				FN	7/22/2002	6		WB	0	
1265	ARFL	167					FN	7/22/2002	7		WB	1	
1267	ARFL	168					FN	7/22/2002	7		WB	0	
1142	ARFL	170	75				FN	7/22/2002	6		WB	0	
1216	ARFL	170	75				FN	7/22/2002	7		EB	0	
1217	ARFL	171	75				FN	7/22/2002	7		EB	0	
935	ARFL	174	85				FN	7/22/2002	6		EB	0	
934	ARFL	178	95				FN	7/22/2002	6		EB	0	
903	ARFL	180	55				FN	7/22/2002	6		EB	0	
1266	ARFL	180					FN	7/22/2002	7		WB	0	
1264	ARFL	192					FN	7/22/2002	7		WB	0	
1263	ARFL	220					FN	7/22/2002	7		WB	0	
925	ARFL	240	185				FN	7/22/2002	6		EB	0	
904	ARFL	244	205				FN	7/22/2002	6		EB	0	
915	ARFL	250	195				FN	7/22/2002	6		EB	0	
917	ARFL	251	220				FN	7/22/2002	6		EB	0	
930	ARFL	258	235				FN	7/22/2002	6		EB	0	
907	ARFL	260	225				FN	7/22/2002	6		EB	0	
1225	ARFL	260	205				FN	7/22/2002	7		EB	0	
902	ARFL	262	225				FN	7/22/2002	6		EB	0	
896	ARFL	270	185				FN	7/22/2002	6		EB	0	
924	ARFL	273	297				FN	7/22/2002	6		EB	0	
1141	ARFL	275	295				FN	7/22/2002	6		WB	0	
1262	ARFL	275					FN	7/22/2002	7		WB	0	
899	ARFL	278	265				FN	7/22/2002	6		EB	0	
906	ARFL	295	345				FN	7/22/2002	6		EB	0	
923	ARFL	300	420				FN	7/22/2002	6		EB	0	
1261	ARFL	302					FN	7/22/2002	7		WB	0	
905	ARFL	320	445				FN	7/22/2002	6		EB	0	
922	ARFL	336	545				FN	7/22/2002	6		EB	0	
1335	ARFL	247	206				GN	7/24/2002	RUN #1	3	WEST	0	WEST OF FYKE NET
1418	ARFL	259					FN	7/24/2002	8		WB	0	
1357	ARFL	267					FN	7/24/2002	8		EB	0	
1419	ARFL	289					FN	7/24/2002	8		WB	0	
1358	ARFL	315	390				FN	7/24/2002	8		EB	0	
1618	ARFL	155					FN	7/25/2002	9		EB	0	
1755	ARFL	155					FN	7/25/2002	9		WB	0	
1770	ARFL	155					FN	7/25/2002	9		WB	0	
1879	ARFL	160					FN	7/25/2002	10		WB	0	
1773	ARFL	162					FN	7/25/2002	9		WB	0	
1631	ARFL	163					FN	7/25/2002	9		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1877	ARFL	163					FN	7/25/2002	10		WB	0	
1765	ARFL	165					FN	7/25/2002	9		WB	0	
1768	ARFL	165					FN	7/25/2002	9		WB	0	
1875	ARFL	165					FN	7/25/2002	10		WB	0	
1769	ARFL	166					FN	7/25/2002	9		WB	0	
1536	ARFL	168					FN	7/25/2002	9		EB	0	
1547	ARFL	168					FN	7/25/2002	9		EB	0	
1619	ARFL	168					FN	7/25/2002	9		EB	0	
1761	ARFL	168					FN	7/25/2002	9		WB	0	
1772	ARFL	168					FN	7/25/2002	9		WB	0	
1844	ARFL	168					FN	7/25/2002	10		EB	0	
1854	ARFL	168					FN	7/25/2002	10		WB	0	
1609	ARFL	170					FN	7/25/2002	9		EB	0	
1521	ARFL	171					FN	7/25/2002	9		EB	0	
1608	ARFL	172					FN	7/25/2002	9		EB	0	
1613	ARFL	172					FN	7/25/2002	9		EB	0	
1759	ARFL	172					FN	7/25/2002	9		WB	0	
1760	ARFL	172					FN	7/25/2002	9		WB	0	
1872	ARFL	174					FN	7/25/2002	10		WB	0	
1620	ARFL	175					FN	7/25/2002	9		EB	0	
1529	ARFL	177					FN	7/25/2002	9		EB	0	
1541	ARFL	178					FN	7/25/2002	9		EB	0	
1777	ARFL	178					GN	7/25/2002	RUN #1	4	WEST	0	WEST OF CAMPGOUND
1756	ARFL	192					FN	7/25/2002	9		WB	0	
1878	ARFL	200					FN	7/25/2002	10		WB	0	
1533	ARFL	207					FN	7/25/2002	9		EB	0	
1848	ARFL	210					FN	7/25/2002	10		EB	0	
1630	ARFL	215					FN	7/25/2002	9		EB	0	
1535	ARFL	217					FN	7/25/2002	9		EB	0	
1757	ARFL	223					FN	7/25/2002	9		WB	0	
1617	ARFL	226					FN	7/25/2002	9		EB	0	
1540	ARFL	227					FN	7/25/2002	9		EB	0	
1523	ARFL	242					FN	7/25/2002	9		EB	0	
1846	ARFL	244					FN	7/25/2002	10		EB	0	
1524	ARFL	247					FN	7/25/2002	9		EB	0	
1766	ARFL	247					FN	7/25/2002	9		WB	0	
1850	ARFL	252					FN	7/25/2002	10		EB	0	
1843	ARFL	255					FN	7/25/2002	10		EB	0	
1839	ARFL	257					FN	7/25/2002	10		EB	0	
1847	ARFL	258					FN	7/25/2002	10		EB	0	
1546	ARFL	262					FN	7/25/2002	9		EB	0	
1615	ARFL	262					FN	7/25/2002	9		EB	0	
1767	ARFL	262					FN	7/25/2002	9		WB	0	
1838	ARFL	262					FN	7/25/2002	10		EB	0	
1845	ARFL	267					FN	7/25/2002	10		EB	0	
1851	ARFL	268					FN	7/25/2002	10		EB	0	
1544	ARFL	272					FN	7/25/2002	9		EB	0	
1545	ARFL	273					FN	7/25/2002	9		EB	0	
1840	ARFL	273					FN	7/25/2002	10		EB	0	
1842	ARFL	308					FN	7/25/2002	10		EB	0	
1849	ARFL	308					FN	7/25/2002	10		EB	0	
1531	ARFL	320					FN	7/25/2002	9		EB	0	
1874	ARFL	342					FN	7/25/2002	10		WB	0	
1996	ARFL	145					FN	7/26/2002	11		EB	0	
1995	ARFL	180					FN	7/26/2002	11		EB	0	
1986	ARFL	202					FN	7/26/2002	11		EB	0	
3112	ARFL	165					FN	8/29/2002	12		WB	0	
3389	ARFL	142					FN	8/30/2002	14		WB	0	
3391	ARFL	168					FN	8/30/2002	14		WB	0	
3342	ARFL	172	60				FN	8/30/2002	14		EB	0	
3341	ARFL	175	74				FN	8/30/2002	14		EB	0	
3339	ARFL	178	96				FN	8/30/2002	14		EB	0	
3279	ARFL	182	82				FN	8/30/2002	13		WB	0	
3370	ARFL	187					FN	8/30/2002	14		WB	0	
3275	ARFL	197	94				FN	8/30/2002	13		WB	0	
3273	ARFL	215	148				FN	8/30/2002	13		WB	0	
3274	ARFL	246	196				FN	8/30/2002	13		WB	0	
3337	ARFL	270	328				FN	8/30/2002	14		EB	0	
3209	ARFL	287	350				FN	8/30/2002	13		EB	0	
3132	ARFL	326	490				FN	8/30/2002	13		EB	0	
3533	ARFL	172					FN	8/31/2002	15		WB	0	
3420	ARFL	213	128				FN	8/31/2002	15		EB	0	
3532	ARFL	216					FN	8/31/2002	15		WB	0	
3418	ARFL	272	128				FN	8/31/2002	15		EB	0	
3417	ARFL	274	306				FN	8/31/2002	15		EB	0	
3777	ARFL	70					FN	9/1/2002	17		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3689	ARFL	245					FN	9/1/2002	16		WB	0	
3784	ARFL	246					FN	9/1/2002	17		EB	0	
3688	ARFL	320					FN	9/1/2002	16		WB	0	
3946	ARFL	178					FN	9/2/2002	18		EB	0	
3890	ARFL	179					FN	9/2/2002	18		WB	0	
3888	ARFL	192					FN	9/2/2002	18		WB	0	
3979	ARFL	199					FN	9/2/2002	18		EB	0	
3987	ARFL	229					FN	9/2/2002	18		EB	0	
3914	ARFL	234					FN	9/2/2002	18		EB	0	
3966	ARFL	243					FN	9/2/2002	18		EB	0	
3947	ARFL	262					FN	9/2/2002	18		EB	0	
3988	ARFL	262					FN	9/2/2002	18		EB	0	
3990	ARFL	262					FN	9/2/2002	18		EB	0	
3964	ARFL	272					FN	9/2/2002	18		EB	0	
3977	ARFL	272					FN	9/2/2002	18		EB	0	
3982	ARFL	275					FN	9/2/2002	18		EB	0	
3989	ARFL	298					FN	9/2/2002	18		EB	0	
3978	ARFL	303					FN	9/2/2002	18		EB	0	
3965	ARFL	316					FN	9/2/2002	18		EB	0	
3984	ARFL	324					FN	9/2/2002	18		EB	0	
3992	ARFL	325					FN	9/2/2002	18		EB	0	
4118	ARFL	162	66				FN	9/3/2002	19		EB	0	
4123	ARFL	162	58				FN	9/3/2002	19		EB	0	
4129	ARFL	175	76				FN	9/3/2002	19		EB	0	
4126	ARFL	176	70				FN	9/3/2002	19		EB	0	
4130	ARFL	180	96				FN	9/3/2002	19		EB	0	
4076	ARFL	185	166				FN	9/3/2002	19		WB	0	
4075	ARFL	189	164				FN	9/3/2002	19		WB	0	
4122	ARFL	189	90				FN	9/3/2002	19		EB	0	
4131	ARFL	230	150				FN	9/3/2002	19		EB	0	
4124	ARFL	235	166				FN	9/3/2002	19		EB	0	
4070	ARFL	252	186				FN	9/3/2002	19		WB	0	
4144	ARFL	262	212				FN	9/3/2002	19		EB	0	
4117	ARFL	273	308				FN	9/3/2002	19		EB	0	
4069	ARFL	303	450				FN	9/3/2002	19		WB	0	
4125	ARFL	310	426				FN	9/3/2002	19		EB	0	
4142	ARFL	318	760				FN	9/3/2002	19		EB	0	
987	ARGR	211	110	12			FN	7/22/2002	6		EB	1	ST=0
1399	ARGR	154					FN	7/24/2002	8		WB	0	
1390	ARGR	155	36				FN	7/24/2002	8		WB	0	
1388	ARGR	172	62				FN	7/24/2002	8		WB	0	
1880	ARGR	84					FN	7/25/2002	10		WB	0	
3116	ARGR	154					FN	8/29/2002	12		WB	0	
131	BRWH	112	25				FN	7/18/2002	1		WB	0	
134	BRWH	112	20				FN	7/18/2002	1		WB	0	
136	BRWH	114	25				FN	7/18/2002	1		WB	0	
124	BRWH	122	15				FN	7/18/2002	1		WB	1	
130	BRWH	124	25				FN	7/18/2002	1		WB	0	
128	BRWH	125	20				FN	7/18/2002	1		WB	0	
107	BRWH	178	80				FN	7/18/2002	1		WB	0	
135	BRWH	185	15				FN	7/18/2002	1		WB	0	
105	BRWH	192	90				FN	7/18/2002	1		WB	0	
49	BRWH	193	56				FN	7/18/2002	1		EB	0	
118	BRWH	194	80				FN	7/18/2002	1		WB	0	
121	BRWH	205	90				FN	7/18/2002	1		WB	1	
109	BRWH	212	130				FN	7/18/2002	1		WB	0	
46	BRWH	224	124				FN	7/18/2002	1		EB	1	
4	BRWH	270	235				FN	7/18/2002	1		EB	0	
111	BRWH	295	310				FN	7/18/2002	1		WB	0	
496	BRWH	55					FN	7/19/2002	3		WB	0	
515	BRWH	145					FN	7/19/2002	3		WB	0	
313	BRWH	243	170				FN	7/19/2002	2		EB	1	
486	BRWH	320					FN	7/19/2002	3		WB	0	
511	BRWH	330					FN	7/19/2002	3		WB	0	
484	BRWH	343	448				FN	7/19/2002	3		WB	0	
317	BRWH	435	1015				FN	7/19/2002	2		EB	1	
483	BRWH	446	1004				FN	7/19/2002	3		WB	0	
485	BRWH	585	2100		B	670	FN	7/19/2002	3		WB	0	
552	BRWH	158	55				GN	7/20/2002	PULLED	1	EAST	0	EAST OF FYKE NET
539	BRWH	305	330				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
555	BRWH	363	475				GN	7/20/2002	PULLED	1	EAST	0	EAST OF FYKE NET
640	BRWH	112	90				FN	7/21/2002	4		EB	1	
639	BRWH	120	95				FN	7/21/2002	4		EB	1	
801	BRWH	130	25				FN	7/21/2002	5		EB	0	
787	BRWH	132	45				FN	7/21/2002	5		EB	0	
830	BRWH	132	30				FN	7/21/2002	5		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
792	BRWH	155	45				FN	7/21/2002	5		EB	0	
809	BRWH	159	80				FN	7/21/2002	5		EB	0	
572	BRWH	160	45				FN	7/21/2002	4		EB	0	
582	BRWH	160	55				FN	7/21/2002	4		EB	0	
673	BRWH	160	45				FN	7/21/2002	4		WB	0	
811	BRWH	165	70				FN	7/21/2002	5		EB	0	
674	BRWH	170	55				FN	7/21/2002	4		WB	0	
805	BRWH	170	60				FN	7/21/2002	5		EB	0	
651	BRWH	178	65				FN	7/21/2002	4		EB	0	
579	BRWH	180	70				FN	7/21/2002	4		EB	0	
810	BRWH	184	105				FN	7/21/2002	5		EB	0	
571	BRWH	185	65				FN	7/21/2002	4		EB	0	
808	BRWH	185	95				FN	7/21/2002	5		EB	0	
665	BRWH	187	70				FN	7/21/2002	4		WB	0	
578	BRWH	190	80				FN	7/21/2002	4		EB	0	
768	BRWH	190	80				FN	7/21/2002	4		WB	0	
784	BRWH	190	55				FN	7/21/2002	5		EB	0	
775	BRWH	195	105				FN	7/21/2002	5		EB	0	
574	BRWH	198	75				FN	7/21/2002	4		EB	0	
581	BRWH	210	110				FN	7/21/2002	4		EB	0	
670	BRWH	215	110				FN	7/21/2002	4		WB	0	
832	BRWH	223	115				FN	7/21/2002	5		EB	0	
807	BRWH	225	135				FN	7/21/2002	5		EB	0	
664	BRWH	230	125				FN	7/21/2002	4		WB	0	
797	BRWH	230	145				FN	7/21/2002	5		EB	0	
629	BRWH	235	210				FN	7/21/2002	4		EB	0	
630	BRWH	235	195				FN	7/21/2002	4		EB	0	
568	BRWH	240	155				FN	7/21/2002	4		EB	0	
667	BRWH	250	185				FN	7/21/2002	4		WB	0	
826	BRWH	278	185				FN	7/21/2002	5		EB	0	
793	BRWH	298	280		B	662	FN	7/21/2002	5		EB	0	
631	BRWH	323	435				FN	7/21/2002	4		EB	0	
632	BRWH	350	570				FN	7/21/2002	4		EB	0	
774	BRWH	350	440		B	663	FN	7/21/2002	5		EB	0	
823	BRWH	380	585		B	660	FN	7/21/2002	5		EB	0	
824	BRWH	380	550		B	659	FN	7/21/2002	5		EB	0	
562	BRWH	402	735				FN	7/21/2002	4		EB	0	
773	BRWH	422	635		B	664	FN	7/21/2002	5		EB	0	
560	BRWH	530	1980		B	657	FN	7/21/2002	4		EB	0	
1167	BRWH	55					FN	7/22/2002	6		WB	1	
1173	BRWH	55					FN	7/22/2002	6		WB	1	
1145	BRWH	56					FN	7/22/2002	6		WB	1	
1170	BRWH	56					FN	7/22/2002	6		WB	1	
1171	BRWH	56					FN	7/22/2002	6		WB	1	
1174	BRWH	56					FN	7/22/2002	6		WB	1	
1175	BRWH	57					FN	7/22/2002	6		WB	1	
1172	BRWH	59					FN	7/22/2002	6		WB	1	
1257	BRWH	60					FN	7/22/2002	7		WB	0	
1258	BRWH	110					FN	7/22/2002	7		WB	0	
1260	BRWH	110					FN	7/22/2002	7		WB	0	
1032	BRWH	111	15				FN	7/22/2002	6		EB	1	
1018	BRWH	112	15				FN	7/22/2002	6		EB	1	
1024	BRWH	112	15				FN	7/22/2002	6		EB	1	
1195	BRWH	115	70				FN	7/22/2002	7		EB	0	
1019	BRWH	116	15				FN	7/22/2002	6		EB	1	
1092	BRWH	116					FN	7/22/2002	6		WB	0	
1017	BRWH	118	25				FN	7/22/2002	6		EB	1	
1015	BRWH	120	15				FN	7/22/2002	6		EB	1	
1022	BRWH	120	15				FN	7/22/2002	6		EB	1	
1035	BRWH	120	15				FN	7/22/2002	6		EB	1	
1093	BRWH	120					FN	7/22/2002	6		WB	0	
1188	BRWH	120	55				FN	7/22/2002	7		EB	0	
1023	BRWH	122	20				FN	7/22/2002	6		EB	1	
1014	BRWH	123	15				FN	7/22/2002	6		EB	1	
1016	BRWH	124	20				FN	7/22/2002	6		EB	1	
1098	BRWH	125					FN	7/22/2002	6		WB	0	
1197	BRWH	125	40				FN	7/22/2002	7		EB	1	
1245	BRWH	125					FN	7/22/2002	7		WB	0	
997	BRWH	126	15				FN	7/22/2002	6		EB	1	
1253	BRWH	129					FN	7/22/2002	7		WB	0	
999	BRWH	130	15				FN	7/22/2002	6		EB	1	
1020	BRWH	130	20				FN	7/22/2002	6		EB	1	
1021	BRWH	130	20				FN	7/22/2002	6		EB	1	
1187	BRWH	130	35				FN	7/22/2002	7		EB	0	
1189	BRWH	130	25				FN	7/22/2002	7		EB	0	
1251	BRWH	130					FN	7/22/2002	7		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1008	BRWH	131	25				FN	7/22/2002	6		EB	1	
1091	BRWH	132					FN	7/22/2002	6		WB	0	
1101	BRWH	132					FN	7/22/2002	6		WB	0	
1161	BRWH	132					FN	7/22/2002	6		WB	1	
1006	BRWH	135	15				FN	7/22/2002	6		EB	1	
1210	BRWH	135	55				FN	7/22/2002	7		EB	0	
1248	BRWH	135					FN	7/22/2002	7		WB	0	
961	BRWH	136	15				FN	7/22/2002	6		EB	1	
1009	BRWH	137	25				FN	7/22/2002	6		EB	1	
1207	BRWH	137	65				FN	7/22/2002	7		EB	0	
1087	BRWH	140					FN	7/22/2002	6		WB	0	
1246	BRWH	140					FN	7/22/2002	7		WB	0	
1096	BRWH	144					FN	7/22/2002	6		WB	0	
1199	BRWH	145	55				FN	7/22/2002	7		EB	0	
1247	BRWH	145					FN	7/22/2002	7		WB	0	
994	BRWH	150	20				FN	7/22/2002	6		EB	1	
1090	BRWH	150					FN	7/22/2002	6		WB	0	
860	BRWH	157					FN	7/22/2002	6		EB	0	
968	BRWH	157	20				FN	7/22/2002	6		EB	1	
1203	BRWH	158	35				FN	7/22/2002	7		EB	0	
969	BRWH	162	25				FN	7/22/2002	6		EB	1	
867	BRWH	163	45				FN	7/22/2002	6		EB	0	
983	BRWH	166	45				FN	7/22/2002	6		EB	1	
960	BRWH	174	35				FN	7/22/2002	6		EB	1	
1178	BRWH	176					FN	7/22/2002	7		EB	0	
1160	BRWH	180	85				FN	7/22/2002	6		WB	1	
1192	BRWH	180	110				FN	7/22/2002	7		EB	0	
865	BRWH	183	65				FN	7/22/2002	6		EB	0	
1134	BRWH	185	60				FN	7/22/2002	6		WB	0	
880	BRWH	187	65				FN	7/22/2002	6		EB	0	
1230	BRWH	190	115				FN	7/22/2002	7		EB	0	
998	BRWH	191	75				FN	7/22/2002	6		EB	1	
974	BRWH	195	60				FN	7/22/2002	6		EB	1	
977	BRWH	195	55				FN	7/22/2002	6		EB	1	
981	BRWH	195	55				FN	7/22/2002	6		EB	1	
985	BRWH	195	65				FN	7/22/2002	6		EB	1	
1135	BRWH	195	35				FN	7/22/2002	6		WB	0	
1202	BRWH	196	95				FN	7/22/2002	7		EB	0	
884	BRWH	198	95				FN	7/22/2002	6		EB	0	
885	BRWH	199	105				FN	7/22/2002	6		EB	0	
881	BRWH	200	95				FN	7/22/2002	6		EB	0	
988	BRWH	200	80				FN	7/22/2002	6		EB	1	
869	BRWH	201	80				FN	7/22/2002	6		EB	0	
986	BRWH	204					FN	7/22/2002	6		EB	1	
967	BRWH	205	75				FN	7/22/2002	6		EB	1	
975	BRWH	207	85				FN	7/22/2002	6		EB	1	
882	BRWH	210	100				FN	7/22/2002	6		EB	0	
984	BRWH	210	75				FN	7/22/2002	6		EB	1	
886	BRWH	211	100				FN	7/22/2002	6		EB	0	
870	BRWH	215	95				FN	7/22/2002	6		EB	0	
1126	BRWH	215	80				FN	7/22/2002	6		WB	0	
979	BRWH	217	85				FN	7/22/2002	6		EB	1	
944	BRWH	220	105	99			FN	7/22/2002	6		EB	1	ST=0
887	BRWH	223	145				FN	7/22/2002	6		EB	0	
947	BRWH	225	105				FN	7/22/2002	6		EB	1	
1204	BRWH	225	105				FN	7/22/2002	7		EB	0	
1191	BRWH	227	125				FN	7/22/2002	7		EB	0	
952	BRWH	228	110				FN	7/22/2002	6		EB	1	
943	BRWH	229		99			FN	7/22/2002	6		EB	1	ST=0
883	BRWH	239	155				FN	7/22/2002	6		EB	0	
940	BRWH	240	120	99			FN	7/22/2002	6		EB	1	ST=0
972	BRWH	240	140				FN	7/22/2002	6		EB	1	
971	BRWH	245	125				FN	7/22/2002	6		EB	1	
1103	BRWH	249	115				FN	7/22/2002	6		WB	0	
1104	BRWH	285	275				FN	7/22/2002	6		WB	0	
978	BRWH	293	65				FN	7/22/2002	6		EB	1	
1112	BRWH	295	255				FN	7/22/2002	6		WB	0	
877	BRWH	298	345				FN	7/22/2002	6		EB	1	
1125	BRWH	300	290				FN	7/22/2002	6		WB	0	
966	BRWH	302	255	2			FN	7/22/2002	6		EB	1	ST=5 (MOSQUITOES)
948	BRWH	334	425	2			FN	7/22/2002	6		EB	1	ST=10 (CAPELIN EGGS)
1114	BRWH	340	470				FN	7/22/2002	6		WB	0	
1106	BRWH	350	520				FN	7/22/2002	6		WB	0	
1115	BRWH	360	485		B	679	FN	7/22/2002	6		WB	0	
876	BRWH	367	550				FN	7/22/2002	6		EB	1	
879	BRWH	375	610				FN	7/22/2002	6		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1231	BRWH	375	620		B	682	FN	7/22/2002	7		EB	0	
1113	BRWH	385	545				FN	7/22/2002	6		WB	0	
1108	BRWH	420	690		B	678	FN	7/22/2002	6		WB	0	
1116	BRWH	440	855		B	680	FN	7/22/2002	6		WB	0	
1229	BRWH	440	1040		B	681	FN	7/22/2002	7		EB	0	
875	BRWH	467	1365				FN	7/22/2002	6		EB	1	
1107	BRWH	480	1020				FN	7/22/2002	6		WB	0	
858	BRWH	494	1360		B	677	FN	7/22/2002	6		EB	0	
1236	BRWH	530	1465		B	683	FN	7/22/2002	7		WB	0	
1297	BRWH	44					BS	7/23/2002	H3	3	EAST	1	
1311	BRWH	55					BS	7/23/2002	H3	4	WEST	0	WEST OF FYKE NET
1286	BRWH	57	8				BS	7/23/2002	H3	2	EAST	0	EAST OF SEWAGE OUTFLOW
1284	BRWH	105	14				BS	7/23/2002	H1	2	EAST	1	
1288	BRWH	411	652		B	686	GN	7/23/2002	RUN #2	3	EAST	0	WEST OF FYKE NET
1313	BRWH	464	1010				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1396	BRWH	120					FN	7/24/2002	8		WB	0	
1412	BRWH	122					FN	7/24/2002	8		WB	0	
1401	BRWH	130					FN	7/24/2002	8		WB	0	
1379	BRWH	135	24				FN	7/24/2002	8		WB	0	
1409	BRWH	135					FN	7/24/2002	8		WB	0	
1400	BRWH	140					FN	7/24/2002	8		WB	0	
1402	BRWH	140					FN	7/24/2002	8		WB	0	
1404	BRWH	140					FN	7/24/2002	8		WB	0	
1382	BRWH	150	30				FN	7/24/2002	8		WB	0	
1383	BRWH	150	26				FN	7/24/2002	8		WB	0	
1408	BRWH	158					FN	7/24/2002	8		WB	0	
1395	BRWH	160					FN	7/24/2002	8		WB	0	
1397	BRWH	160					FN	7/24/2002	8		WB	0	
1376	BRWH	185	72				FN	7/24/2002	8		WB	0	
1413	BRWH	200					FN	7/24/2002	8		WB	0	
1416	BRWH	210					FN	7/24/2002	8		WB	0	
1384	BRWH	221	104				FN	7/24/2002	8		WB	0	
1341	BRWH	224	160				GN	7/24/2002	PULLED	3	WEST	0	WEST OF FYKE NET
1389	BRWH	230	132				FN	7/24/2002	8		WB	0	
1393	BRWH	230	174				FN	7/24/2002	8		WB	0	
1403	BRWH	235					FN	7/24/2002	8		WB	0	
1392	BRWH	250	172				FN	7/24/2002	8		WB	0	
1387	BRWH	265	192				FN	7/24/2002	8		WB	0	
1345	BRWH	421	800		B	690	FN	7/24/2002	8		EB	0	
1373	BRWH	510	1402		B	691	FN	7/24/2002	8		EB	0	
1344	BRWH	583	1648				FN	7/24/2002	8		EB	0	SKINNY
1563	BRWH	17					FN	7/25/2002	9		EB	0	
1901	BRWH	51					FN	7/25/2002	10		WB	0	
1890	BRWH	55					FN	7/25/2002	10		WB	0	
1899	BRWH	55					FN	7/25/2002	10		WB	0	
1897	BRWH	56					FN	7/25/2002	10		WB	0	
1898	BRWH	57					FN	7/25/2002	10		WB	0	
1904	BRWH	60					FN	7/25/2002	10		WB	0	
1857	BRWH	62					FN	7/25/2002	10		WB	0	
1884	BRWH	62					FN	7/25/2002	10		WB	0	
1891	BRWH	62					FN	7/25/2002	10		WB	0	
1893	BRWH	62					FN	7/25/2002	10		WB	0	
1895	BRWH	62					FN	7/25/2002	10		WB	0	
1900	BRWH	62					FN	7/25/2002	10		WB	0	
1881	BRWH	63					FN	7/25/2002	10		WB	0	
1888	BRWH	63					FN	7/25/2002	10		WB	0	
1889	BRWH	63					FN	7/25/2002	10		WB	0	
1892	BRWH	63					FN	7/25/2002	10		WB	0	
1903	BRWH	63					FN	7/25/2002	10		WB	0	
1907	BRWH	63					FN	7/25/2002	10		WB	0	
1855	BRWH	64					FN	7/25/2002	10		WB	0	
1882	BRWH	64					FN	7/25/2002	10		WB	0	
1894	BRWH	64					FN	7/25/2002	10		WB	0	
1896	BRWH	64					FN	7/25/2002	10		WB	0	
1902	BRWH	64					FN	7/25/2002	10		WB	0	
1885	BRWH	65					FN	7/25/2002	10		WB	0	
1886	BRWH	65					FN	7/25/2002	10		WB	0	
1887	BRWH	65					FN	7/25/2002	10		WB	0	
1905	BRWH	65					FN	7/25/2002	10		WB	0	
1906	BRWH	65					FN	7/25/2002	10		WB	0	
1860	BRWH	67					FN	7/25/2002	10		WB	0	
1564	BRWH	100					FN	7/25/2002	9		EB	0	
1807	BRWH	120					FN	7/25/2002	10		EB	0	
1548	BRWH	121					FN	7/25/2002	9		EB	0	
1627	BRWH	125					FN	7/25/2002	9		EB	0	
1794	BRWH	125					FN	7/25/2002	10		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1803	BRWH	125					FN	7/25/2002	10		EB	0	
1562	BRWH	130					FN	7/25/2002	9		EB	0	
1832	BRWH	135					FN	7/25/2002	10		EB	0	
1791	BRWH	136	30				FN	7/25/2002	10		EB	0	
1554	BRWH	140					FN	7/25/2002	9		EB	0	
1797	BRWH	143					FN	7/25/2002	10		EB	0	
1804	BRWH	150					FN	7/25/2002	10		EB	0	
1810	BRWH	157					FN	7/25/2002	10		EB	0	
1513	BRWH	159					FN	7/25/2002	9		EB	0	
1704	BRWH	163					FN	7/25/2002	9		WB	0	
1559	BRWH	170					FN	7/25/2002	9		EB	0	
1515	BRWH	174					FN	7/25/2002	9		EB	0	
1806	BRWH	176					FN	7/25/2002	10		EB	0	
1706	BRWH	180					FN	7/25/2002	9		WB	0	
1805	BRWH	180					FN	7/25/2002	10		EB	0	
1864	BRWH	182					FN	7/25/2002	10		WB	0	
1702	BRWH	186					FN	7/25/2002	9		WB	0	
1809	BRWH	187					FN	7/25/2002	10		EB	0	
1552	BRWH	189					FN	7/25/2002	9		EB	0	
1553	BRWH	192					FN	7/25/2002	9		EB	0	
1781	BRWH	192	84				GN	7/25/2002	PULLED	4	WEST	0	WEST OF CAMPGOUND
1801	BRWH	193					FN	7/25/2002	10		EB	0	
1549	BRWH	195					FN	7/25/2002	9		EB	0	
1567	BRWH	195					FN	7/25/2002	9		EB	0	
1783	BRWH	196	106				GN	7/25/2002	PULLED	4	WEST	0	WEST OF CAMPGOUND
1792	BRWH	196	80				FN	7/25/2002	10		EB	0	
1551	BRWH	200					FN	7/25/2002	9		EB	0	
1703	BRWH	202					FN	7/25/2002	9		WB	0	
1865	BRWH	204					FN	7/25/2002	10		WB	0	
1802	BRWH	205					FN	7/25/2002	10		EB	0	
1866	BRWH	206					FN	7/25/2002	10		WB	0	
1699	BRWH	213					FN	7/25/2002	9		WB	0	
1701	BRWH	216					FN	7/25/2002	9		WB	0	
1516	BRWH	221					FN	7/25/2002	9		EB	0	
1561	BRWH	221					FN	7/25/2002	9		EB	0	
1560	BRWH	222					FN	7/25/2002	9		EB	0	
1550	BRWH	224					FN	7/25/2002	9		EB	0	
1705	BRWH	230					FN	7/25/2002	9		WB	0	
1862	BRWH	308					FN	7/25/2002	10		WB	0	
1780	BRWH	325	368		B	698	GN	7/25/2002	PULLED	4	WEST	0	WEST OF CAMPGOUND
1811	BRWH	332			B	753	FN	7/25/2002	10		EB	0	
1555	BRWH	365					FN	7/25/2002	9		EB	0	
1437	BRWH	563	1756				FN	7/25/2002	9		EB	0	
2954	BRWH						FN	7/25/2002	10		WB	0	RND
2955	BRWH						FN	7/25/2002	10		WB	0	RND
2956	BRWH						FN	7/25/2002	10		WB	0	RND
2957	BRWH						FN	7/25/2002	10		WB	0	RND
2958	BRWH						FN	7/25/2002	10		WB	0	RND
2959	BRWH						FN	7/25/2002	10		WB	0	RND
2960	BRWH						FN	7/25/2002	10		WB	0	RND
2961	BRWH						FN	7/25/2002	10		WB	0	RND
2962	BRWH						FN	7/25/2002	10		WB	0	RND
2963	BRWH						FN	7/25/2002	10		WB	0	RND
2964	BRWH						FN	7/25/2002	10		WB	0	RND
2965	BRWH						FN	7/25/2002	10		WB	0	RND
2966	BRWH						FN	7/25/2002	10		WB	0	RND
2967	BRWH						FN	7/25/2002	10		WB	0	RND
2968	BRWH						FN	7/25/2002	10		WB	0	RND
2969	BRWH						FN	7/25/2002	10		WB	0	RND
2970	BRWH						FN	7/25/2002	10		WB	0	RND
2971	BRWH						FN	7/25/2002	10		WB	0	RND
2972	BRWH						FN	7/25/2002	10		WB	0	RND
2973	BRWH						FN	7/25/2002	10		WB	0	RND
2974	BRWH						FN	7/25/2002	10		WB	0	RND
2975	BRWH						FN	7/25/2002	10		WB	0	RND
2976	BRWH						FN	7/25/2002	10		WB	0	RND
2977	BRWH						FN	7/25/2002	10		WB	0	RND
2978	BRWH						FN	7/25/2002	10		WB	0	RND
2979	BRWH						FN	7/25/2002	10		WB	0	RND
2980	BRWH						FN	7/25/2002	10		WB	0	RND
2981	BRWH						FN	7/25/2002	10		WB	0	RND
2982	BRWH						FN	7/25/2002	10		WB	0	RND
2983	BRWH						FN	7/25/2002	10		WB	0	RND
2984	BRWH						FN	7/25/2002	10		WB	0	RND
2985	BRWH						FN	7/25/2002	10		WB	0	RND
2986	BRWH						FN	7/25/2002	10		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2987	BRWH						FN	7/25/2002	10		WB	0	RND
2988	BRWH						FN	7/25/2002	10		WB	0	RND
2989	BRWH						FN	7/25/2002	10		WB	0	RND
2990	BRWH						FN	7/25/2002	10		WB	0	RND
2991	BRWH						FN	7/25/2002	10		WB	0	RND
2992	BRWH						FN	7/25/2002	10		WB	0	RND
2993	BRWH						FN	7/25/2002	10		WB	0	RND
2994	BRWH						FN	7/25/2002	10		WB	0	RND
2995	BRWH						FN	7/25/2002	10		WB	0	RND
2996	BRWH						FN	7/25/2002	10		WB	0	RND
2997	BRWH						FN	7/25/2002	10		WB	0	RND
2998	BRWH						FN	7/25/2002	10		WB	0	RND
2999	BRWH						FN	7/25/2002	10		WB	0	RND
3000	BRWH						FN	7/25/2002	10		WB	0	RND
3001	BRWH						FN	7/25/2002	10		WB	0	RND
3002	BRWH						FN	7/25/2002	10		WB	0	RND
3003	BRWH						FN	7/25/2002	10		WB	0	RND
3004	BRWH						FN	7/25/2002	10		WB	0	RND
3005	BRWH						FN	7/25/2002	10		WB	0	RND
3006	BRWH						FN	7/25/2002	10		WB	0	RND
3007	BRWH						FN	7/25/2002	10		WB	0	RND
3008	BRWH						FN	7/25/2002	10		WB	0	RND
3009	BRWH						FN	7/25/2002	10		WB	0	RND
3010	BRWH						FN	7/25/2002	10		WB	0	RND
3011	BRWH						FN	7/25/2002	10		WB	0	RND
3012	BRWH						FN	7/25/2002	10		WB	0	RND
3013	BRWH						FN	7/25/2002	10		WB	0	RND
3014	BRWH						FN	7/25/2002	10		WB	0	RND
3015	BRWH						FN	7/25/2002	10		WB	0	RND
3016	BRWH						FN	7/25/2002	10		WB	0	RND
3017	BRWH						FN	7/25/2002	10		WB	0	RND
3018	BRWH						FN	7/25/2002	10		WB	0	RND
3019	BRWH						FN	7/25/2002	10		WB	0	RND
3020	BRWH						FN	7/25/2002	10		WB	0	RND
3021	BRWH						FN	7/25/2002	10		WB	0	RND
3022	BRWH						FN	7/25/2002	10		WB	0	RND
3023	BRWH						FN	7/25/2002	10		WB	0	RND
3024	BRWH						FN	7/25/2002	10		WB	0	RND
3025	BRWH						FN	7/25/2002	10		WB	0	RND
3026	BRWH						FN	7/25/2002	10		WB	0	RND
3027	BRWH						FN	7/25/2002	10		WB	0	RND
3028	BRWH						FN	7/25/2002	10		WB	0	RND
3029	BRWH						FN	7/25/2002	10		WB	0	RND
3030	BRWH						FN	7/25/2002	10		WB	0	RND
3031	BRWH						FN	7/25/2002	10		WB	0	RND
3032	BRWH						FN	7/25/2002	10		WB	0	RND
3033	BRWH						FN	7/25/2002	10		WB	0	RND
3034	BRWH						FN	7/25/2002	10		WB	0	RND
3035	BRWH						FN	7/25/2002	10		WB	0	RND
3036	BRWH						FN	7/25/2002	10		WB	0	RND
3037	BRWH						FN	7/25/2002	10		WB	0	RND
3038	BRWH						FN	7/25/2002	10		WB	0	RND
3039	BRWH						FN	7/25/2002	10		WB	0	RND
3040	BRWH						FN	7/25/2002	10		WB	0	RND
3041	BRWH						FN	7/25/2002	10		WB	0	RND
3042	BRWH						FN	7/25/2002	10		WB	0	RND
3043	BRWH						FN	7/25/2002	10		WB	0	RND
3044	BRWH						FN	7/25/2002	10		WB	0	RND
3045	BRWH						FN	7/25/2002	10		WB	0	RND
3046	BRWH						FN	7/25/2002	10		WB	0	RND
3047	BRWH						FN	7/25/2002	10		WB	0	RND
3048	BRWH						FN	7/25/2002	10		WB	0	RND
3049	BRWH						FN	7/25/2002	10		WB	0	RND
3050	BRWH						FN	7/25/2002	10		WB	0	RND
3051	BRWH						FN	7/25/2002	10		WB	0	RND
3052	BRWH						FN	7/25/2002	10		WB	0	RND
3053	BRWH						FN	7/25/2002	10		WB	0	RND
3054	BRWH						FN	7/25/2002	10		WB	0	RND
3055	BRWH						FN	7/25/2002	10		WB	0	RND
3056	BRWH						FN	7/25/2002	10		WB	0	RND
3057	BRWH						FN	7/25/2002	10		WB	0	RND
3058	BRWH						FN	7/25/2002	10		WB	0	RND
3059	BRWH						FN	7/25/2002	10		WB	0	RND
3060	BRWH						FN	7/25/2002	10		WB	0	RND
3061	BRWH						FN	7/25/2002	10		WB	0	RND
3062	BRWH						FN	7/25/2002	10		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3063	BRWH						FN	7/25/2002	10		WB	0	RND
3064	BRWH						FN	7/25/2002	10		WB	0	RND
3065	BRWH						FN	7/25/2002	10		WB	0	RND
3066	BRWH						FN	7/25/2002	10		WB	0	RND
3067	BRWH						FN	7/25/2002	10		WB	0	RND
3068	BRWH						FN	7/25/2002	10		WB	0	RND
3069	BRWH						FN	7/25/2002	10		WB	0	RND
3070	BRWH						FN	7/25/2002	10		WB	0	RND
3071	BRWH						FN	7/25/2002	10		WB	0	RND
3072	BRWH						FN	7/25/2002	10		WB	0	RND
3073	BRWH						FN	7/25/2002	10		WB	0	RND
3074	BRWH						FN	7/25/2002	10		WB	0	RND
3075	BRWH						FN	7/25/2002	10		WB	0	RND
3076	BRWH						FN	7/25/2002	10		WB	0	RND
3077	BRWH						FN	7/25/2002	10		WB	0	RND
1948	BRWH	120					FN	7/26/2002	11		EB	0	
1945	BRWH	135					FN	7/26/2002	11		EB	0	
1940	BRWH	142					FN	7/26/2002	11		EB	0	
1956	BRWH	161					FN	7/26/2002	11		EB	0	
1946	BRWH	182					FN	7/26/2002	11		EB	0	
1941	BRWH	183					FN	7/26/2002	11		EB	0	
1931	BRWH	187					FN	7/26/2002	11		EB	0	
1939	BRWH	200					FN	7/26/2002	11		EB	0	
1936	BRWH	208					FN	7/26/2002	11		EB	0	
1933	BRWH	216					FN	7/26/2002	11		EB	0	
2049	BRWH	300					FN	7/26/2002	11		WB	0	
2051	BRWH	456					FN	7/26/2002	11		WB	0	
3093	BRWH	143					FN	8/29/2002	12		EB	0	
3095	BRWH	159					FN	8/29/2002	12		EB	0	
3098	BRWH	170					FN	8/29/2002	12		EB	0	
3083	BRWH	275					FN	8/29/2002	12		EB	0	
3105	BRWH	292					FN	8/29/2002	12		WB	0	
3107	BRWH	296					FN	8/29/2002	12		WB	0	
3106	BRWH	357					FN	8/29/2002	12		WB	0	
3103	BRWH	495	1100			769	FN	8/29/2002	12		WB	0	
3373	BRWH	60					FN	8/30/2002	14		WB	0	
3375	BRWH	60					FN	8/30/2002	14		WB	0	
3386	BRWH	60					FN	8/30/2002	14		WB	0	
3376	BRWH	62					FN	8/30/2002	14		WB	0	
3379	BRWH	62					FN	8/30/2002	14		WB	0	
3380	BRWH	64					FN	8/30/2002	14		WB	0	
3256	BRWH	65					FN	8/30/2002	13		WB	0	
3258	BRWH	65					FN	8/30/2002	13		WB	0	
3382	BRWH	65					FN	8/30/2002	14		WB	0	
3385	BRWH	65					FN	8/30/2002	14		WB	0	
3383	BRWH	66					FN	8/30/2002	14		WB	0	
3387	BRWH	66					FN	8/30/2002	14		WB	0	
3393	BRWH	67					FN	8/30/2002	14		WB	0	
3271	BRWH	69					FN	8/30/2002	13		WB	0	
3264	BRWH	70					FN	8/30/2002	13		WB	0	
3377	BRWH	70					FN	8/30/2002	14		WB	0	
3244	BRWH	72					FN	8/30/2002	13		WB	0	
3249	BRWH	72					FN	8/30/2002	13		WB	0	
3251	BRWH	72					FN	8/30/2002	13		WB	0	
3294	BRWH	72					BS	8/30/2002	H2	6	WEST	0	WEST OF SEWAGE OUTFLOW
3381	BRWH	72					FN	8/30/2002	14		WB	0	
3384	BRWH	72					FN	8/30/2002	14		WB	0	
3390	BRWH	72					FN	8/30/2002	14		WB	0	
3255	BRWH	73					FN	8/30/2002	13		WB	0	
3182	BRWH	75					FN	8/30/2002	13		WB	0	
3378	BRWH	75					FN	8/30/2002	14		WB	0	
3388	BRWH	75					FN	8/30/2002	14		WB	0	
3374	BRWH	80					FN	8/30/2002	14		WB	0	
3392	BRWH	82					FN	8/30/2002	14		WB	0	
3356	BRWH	116	10				FN	8/30/2002	14		EB	0	
3252	BRWH	122	24				FN	8/30/2002	13		WB	0	
3257	BRWH	147	36				FN	8/30/2002	13		WB	0	
3371	BRWH	149					FN	8/30/2002	14		WB	0	
3268	BRWH	157	52				FN	8/30/2002	13		WB	0	
3330	BRWH	198	102				FN	8/30/2002	14		EB	0	
3353	BRWH	198	116				FN	8/30/2002	14		EB	0	
3369	BRWH	203					FN	8/30/2002	14		WB	0	
3315	BRWH	209	86				FN	8/30/2002	14		EB	0	
3367	BRWH	210					FN	8/30/2002	14		WB	0	
3365	BRWH	212					FN	8/30/2002	14		WB	0	
3306	BRWH	227	126				FN	8/30/2002	14		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3302	BRWH	233	114				FN	8/30/2002	14		EB	0	
3359	BRWH	236	286				FN	8/30/2002	14		EB	0	
3260	BRWH	251	188				FN	8/30/2002	13		WB	0	
3176	BRWH	252	256				FN	8/30/2002	13		WB	0	
3324	BRWH	257	196				FN	8/30/2002	14		EB	0	
3364	BRWH	268					FN	8/30/2002	14		WB	0	
3178	BRWH	274	224				FN	8/30/2002	13		WB	0	
3246	BRWH	304					FN	8/30/2002	13		WB	0	
3354	BRWH	305					FN	8/30/2002	14		EB	0	
3289	BRWH	306	378			971	FN	8/30/2002	13		WB	0	
3325	BRWH	310	328				FN	8/30/2002	14		EB	0	
3253	BRWH	313	324				FN	8/30/2002	13		WB	0	
3285	BRWH	317	476				FN	8/30/2002	13		WB	0	
3161	BRWH	326	374				FN	8/30/2002	13		EB	0	
3259	BRWH	335	408				FN	8/30/2002	13		WB	0	
3288	BRWH	380	570			970	FN	8/30/2002	13		WB	0	
3361	BRWH	413	772			531	FN	8/30/2002	14		EB	0	
4152	BRWH						FN	8/30/2002	13		WB	0	RND
4153	BRWH						FN	8/30/2002	13		WB	0	RND
4154	BRWH						FN	8/30/2002	13		WB	0	RND
4155	BRWH						FN	8/30/2002	13		WB	0	RND
4156	BRWH						FN	8/30/2002	13		WB	0	RND
4157	BRWH						FN	8/30/2002	13		WB	0	RND
4158	BRWH						FN	8/30/2002	13		WB	0	RND
4159	BRWH						FN	8/30/2002	13		WB	0	RND
4160	BRWH						FN	8/30/2002	13		WB	0	RND
4161	BRWH						FN	8/30/2002	13		WB	0	RND
4162	BRWH						FN	8/30/2002	13		WB	0	RND
4163	BRWH						FN	8/30/2002	13		WB	0	RND
4164	BRWH						FN	8/30/2002	13		WB	0	RND
4165	BRWH						FN	8/30/2002	13		WB	0	RND
4166	BRWH						FN	8/30/2002	13		WB	0	RND
4167	BRWH						FN	8/30/2002	13		WB	0	RND
4168	BRWH						FN	8/30/2002	13		WB	0	RND
4169	BRWH						FN	8/30/2002	13		WB	0	RND
4170	BRWH						FN	8/30/2002	13		WB	0	RND
4171	BRWH						FN	8/30/2002	13		WB	0	RND
4172	BRWH						FN	8/30/2002	13		WB	0	RND
4173	BRWH						FN	8/30/2002	13		WB	0	RND
4174	BRWH						FN	8/30/2002	13		WB	0	RND
4175	BRWH						FN	8/30/2002	13		WB	0	RND
4176	BRWH						FN	8/30/2002	13		WB	0	RND
4177	BRWH						FN	8/30/2002	13		WB	0	RND
4178	BRWH						FN	8/30/2002	13		WB	0	RND
4179	BRWH						FN	8/30/2002	13		WB	0	RND
4180	BRWH						FN	8/30/2002	13		WB	0	RND
4181	BRWH						FN	8/30/2002	13		WB	0	RND
4182	BRWH						FN	8/30/2002	13		WB	0	RND
4183	BRWH						FN	8/30/2002	13		WB	0	RND
4184	BRWH						FN	8/30/2002	13		WB	0	RND
4185	BRWH						FN	8/30/2002	13		WB	0	RND
4186	BRWH						FN	8/30/2002	13		WB	0	RND
4187	BRWH						FN	8/30/2002	13		WB	0	RND
4188	BRWH						FN	8/30/2002	13		WB	0	RND
4189	BRWH						FN	8/30/2002	13		WB	0	RND
4190	BRWH						FN	8/30/2002	13		WB	0	RND
4191	BRWH						FN	8/30/2002	13		WB	0	RND
4192	BRWH						FN	8/30/2002	13		WB	0	RND
4193	BRWH						FN	8/30/2002	13		WB	0	RND
4194	BRWH						FN	8/30/2002	13		WB	0	RND
4195	BRWH						FN	8/30/2002	13		WB	0	RND
4196	BRWH						FN	8/30/2002	13		WB	0	RND
4197	BRWH						FN	8/30/2002	13		WB	0	RND
4198	BRWH						FN	8/30/2002	13		WB	0	RND
4199	BRWH						FN	8/30/2002	13		WB	0	RND
4200	BRWH						FN	8/30/2002	13		WB	0	RND
4201	BRWH						FN	8/30/2002	13		WB	0	RND
4202	BRWH						FN	8/30/2002	13		WB	0	RND
4203	BRWH						FN	8/30/2002	13		WB	0	RND
4204	BRWH						FN	8/30/2002	13		WB	0	RND
4205	BRWH						FN	8/30/2002	13		WB	0	RND
4206	BRWH						FN	8/30/2002	13		WB	0	RND
4207	BRWH						FN	8/30/2002	13		WB	0	RND
4208	BRWH						FN	8/30/2002	13		WB	0	RND
4209	BRWH						FN	8/30/2002	13		WB	0	RND
4210	BRWH						FN	8/30/2002	13		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
4211	BRWH						FN	8/30/2002	13		WB	0	RND
4212	BRWH						FN	8/30/2002	13		WB	0	RND
4213	BRWH						FN	8/30/2002	13		WB	0	RND
4214	BRWH						FN	8/30/2002	13		WB	0	RND
4215	BRWH						FN	8/30/2002	13		WB	0	RND
4216	BRWH						FN	8/30/2002	13		WB	0	RND
4217	BRWH						FN	8/30/2002	13		WB	0	RND
4218	BRWH						FN	8/30/2002	13		WB	0	RND
4219	BRWH						FN	8/30/2002	13		WB	0	RND
4220	BRWH						FN	8/30/2002	13		WB	0	RND
4221	BRWH						FN	8/30/2002	13		WB	0	RND
4222	BRWH						FN	8/30/2002	13		WB	0	RND
4223	BRWH						FN	8/30/2002	13		WB	0	RND
3496	BRWH	125					FN	8/31/2002	15		WB	0	
3499	BRWH	140					FN	8/31/2002	15		WB	0	
3498	BRWH	196					FN	8/31/2002	15		WB	0	
3497	BRWH	225					FN	8/31/2002	15		WB	0	
3564	BRWH	275	216				GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3490	BRWH	310	212				FN	8/31/2002	15		WB	0	
3556	BRWH	325					GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3445	BRWH	344	452				FN	8/31/2002	15		EB	0	
3560	BRWH	352	538				GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3796	BRWH	62					FN	9/1/2002	17		EB	0	
3712	BRWH	64					FN	9/1/2002	16		WB	0	
3731	BRWH	64					FN	9/1/2002	16		WB	0	
3682	BRWH	65					FN	9/1/2002	16		WB	0	
3703	BRWH	65					FN	9/1/2002	16		WB	0	
3726	BRWH	65					FN	9/1/2002	16		WB	0	
3787	BRWH	65					FN	9/1/2002	17		EB	0	
3822	BRWH	65					FN	9/1/2002	17		WB	0	
3704	BRWH	66					FN	9/1/2002	16		WB	0	
3728	BRWH	66					FN	9/1/2002	16		WB	0	
3819	BRWH	66					FN	9/1/2002	17		WB	0	
3718	BRWH	67					FN	9/1/2002	16		WB	0	
3834	BRWH	67					FN	9/1/2002	17		WB	0	
3715	BRWH	68					FN	9/1/2002	16		WB	0	
3729	BRWH	68					FN	9/1/2002	16		WB	0	
3675	BRWH	69					FN	9/1/2002	16		WB	0	
3699	BRWH	70					FN	9/1/2002	16		WB	0	
3700	BRWH	70					FN	9/1/2002	16		WB	0	
3708	BRWH	70					FN	9/1/2002	16		WB	0	
3711	BRWH	70					FN	9/1/2002	16		WB	0	
3722	BRWH	70					FN	9/1/2002	16		WB	0	
3788	BRWH	70					FN	9/1/2002	17		EB	0	
3794	BRWH	70					FN	9/1/2002	17		EB	0	
3795	BRWH	70					FN	9/1/2002	17		EB	0	
3823	BRWH	70					FN	9/1/2002	17		WB	0	
3828	BRWH	70					FN	9/1/2002	17		WB	0	
3832	BRWH	70					FN	9/1/2002	17		WB	0	
3841	BRWH	70					FN	9/1/2002	17		WB	0	
3706	BRWH	71					FN	9/1/2002	16		WB	0	
3707	BRWH	72					FN	9/1/2002	16		WB	0	
3730	BRWH	72					FN	9/1/2002	16		WB	0	
3831	BRWH	72					FN	9/1/2002	17		WB	0	
3836	BRWH	72					FN	9/1/2002	17		WB	0	
3705	BRWH	73					FN	9/1/2002	16		WB	0	
3714	BRWH	73					FN	9/1/2002	16		WB	0	
3720	BRWH	73					FN	9/1/2002	16		WB	0	
3723	BRWH	73					FN	9/1/2002	16		WB	0	
3697	BRWH	74					FN	9/1/2002	16		WB	0	
3713	BRWH	74					FN	9/1/2002	16		WB	0	
3724	BRWH	74					FN	9/1/2002	16		WB	0	
3786	BRWH	75					FN	9/1/2002	17		EB	0	
3833	BRWH	75					FN	9/1/2002	17		WB	0	
3839	BRWH	75					FN	9/1/2002	17		WB	0	
3698	BRWH	76					FN	9/1/2002	16		WB	0	
3789	BRWH	77					FN	9/1/2002	17		EB	0	
3719	BRWH	78					FN	9/1/2002	16		WB	0	
3696	BRWH	79					FN	9/1/2002	16		WB	0	
3686	BRWH	80					FN	9/1/2002	16		WB	0	
3701	BRWH	80					FN	9/1/2002	16		WB	0	
3709	BRWH	80					FN	9/1/2002	16		WB	0	
3717	BRWH	80					FN	9/1/2002	16		WB	0	
3800	BRWH	80					FN	9/1/2002	17		EB	0	
3710	BRWH	81					FN	9/1/2002	16		WB	0	
3725	BRWH	81					FN	9/1/2002	16		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3702	BRWH	82					FN	9/1/2002	16		WB	0	
3732	BRWH	82					FN	9/1/2002	16		WB	0	
3721	BRWH	83					FN	9/1/2002	16		WB	0	
3792	BRWH	85					FN	9/1/2002	17		EB	0	
3827	BRWH	110					FN	9/1/2002	17		WB	0	
3776	BRWH	126					FN	9/1/2002	17		EB	0	
3783	BRWH	132					FN	9/1/2002	17		EB	0	
3844	BRWH	132					FN	9/1/2002	17		WB	0	
3667	BRWH	140					FN	9/1/2002	16		WB	0	
3798	BRWH	140					FN	9/1/2002	17		EB	0	
3668	BRWH	141					FN	9/1/2002	16		WB	0	
3678	BRWH	143					FN	9/1/2002	16		WB	0	
3770	BRWH	143					FN	9/1/2002	17		EB	0	
3615	BRWH	184					FN	9/1/2002	16		EB	0	
3816	BRWH	209					FN	9/1/2002	17		WB	0	
3755	BRWH	247	142				FN	9/1/2002	17		EB	0	
3751	BRWH	290	202				FN	9/1/2002	17		EB	0	
3749	BRWH	320	386			550	FN	9/1/2002	17		EB	0	
3750	BRWH	336	402			1000	FN	9/1/2002	17		EB	0	
3637	BRWH	357		4			FN	9/1/2002	16		WB	1	ST=0
4000	BRWH	60					FN	9/2/2002	18		EB	0	
4003	BRWH	61					FN	9/2/2002	18		EB	0	
4006	BRWH	61					FN	9/2/2002	18		EB	0	
4001	BRWH	63					FN	9/2/2002	18		EB	0	
3994	BRWH	64					FN	9/2/2002	18		EB	0	
4004	BRWH	64					FN	9/2/2002	18		EB	0	
3999	BRWH	66					FN	9/2/2002	18		EB	0	
3995	BRWH	68					FN	9/2/2002	18		EB	0	
4002	BRWH	68					FN	9/2/2002	18		EB	0	
3997	BRWH	69					FN	9/2/2002	18		EB	0	
3886	BRWH	70					FN	9/2/2002	18		WB	0	
4005	BRWH	77					FN	9/2/2002	18		EB	0	
3996	BRWH	78					FN	9/2/2002	18		EB	0	
3998	BRWH	78					FN	9/2/2002	18		EB	0	
3943	BRWH	126					FN	9/2/2002	18		EB	0	
3961	BRWH	127					FN	9/2/2002	18		EB	0	
3927	BRWH	130					FN	9/2/2002	18		EB	0	
3928	BRWH	130					FN	9/2/2002	18		EB	0	
3909	BRWH	134					FN	9/2/2002	18		WB	0	
3976	BRWH	135					FN	9/2/2002	18		EB	0	
3925	BRWH	138					FN	9/2/2002	18		EB	0	
3974	BRWH	140					FN	9/2/2002	18		EB	0	
3884	BRWH	144					FN	9/2/2002	18		WB	0	
3908	BRWH	145					FN	9/2/2002	18		WB	0	
3926	BRWH	148					FN	9/2/2002	18		EB	0	
3958	BRWH	148					FN	9/2/2002	18		EB	0	
3930	BRWH	151					FN	9/2/2002	18		EB	0	
3912	BRWH	152					FN	9/2/2002	18		EB	0	
3910	BRWH	153					FN	9/2/2002	18		WB	0	
3913	BRWH	154					FN	9/2/2002	18		EB	0	
3956	BRWH	155					FN	9/2/2002	18		EB	0	
3967	BRWH	155					FN	9/2/2002	18		EB	0	
3923	BRWH	158					FN	9/2/2002	18		EB	0	
3924	BRWH	162					FN	9/2/2002	18		EB	0	
3980	BRWH	166					FN	9/2/2002	18		EB	0	
3907	BRWH	168					FN	9/2/2002	18		WB	0	
3942	BRWH	183					FN	9/2/2002	18		EB	0	
3922	BRWH	184					FN	9/2/2002	18		EB	0	
3957	BRWH	185					FN	9/2/2002	18		EB	0	
3951	BRWH	187					FN	9/2/2002	18		EB	0	
3921	BRWH	193					FN	9/2/2002	18		EB	0	
3904	BRWH	198					FN	9/2/2002	18		WB	0	
3963	BRWH	198					FN	9/2/2002	18		EB	0	
3955	BRWH	203					FN	9/2/2002	18		EB	0	
3938	BRWH	205					FN	9/2/2002	18		EB	0	
3940	BRWH	209					FN	9/2/2002	18		EB	0	
3936	BRWH	212					FN	9/2/2002	18		EB	0	
3937	BRWH	213					FN	9/2/2002	18		EB	0	
3950	BRWH	213					FN	9/2/2002	18		EB	0	
3968	BRWH	235					FN	9/2/2002	18		EB	0	
3952	BRWH	252					FN	9/2/2002	18		EB	0	
4048	BRWH	260	194				GN	9/2/2002	PULLED	8	NORTH	0	NORTH OF FYKE NET
3934	BRWH	270					FN	9/2/2002	18		EB	0	
3885	BRWH	307					FN	9/2/2002	18		WB	0	
3901	BRWH	314					FN	9/2/2002	18		WB	0	
3861	BRWH	320					FN	9/2/2002	18		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
4141	BRWH	194	178				FN	9/3/2002	19		EB	0	
4102	BRWH	262	206				FN	9/3/2002	19		EB	0	
4135	BRWH	356	526			780	FN	9/3/2002	19		EB	0	
4096	BRWH	395	510			982	FN	9/3/2002	19		EB	0	
4134	BRWH	420	724			779	FN	9/3/2002	19		EB	0	
2053	BURB	180					FN	7/26/2002	11		WB	0	
3887	BURB	120					FN	9/2/2002	18		WB	1	
856	CPLN	147	30				FN	7/21/2002	5		WB	1	
3891	GRCD	763	5600			996	FN	9/2/2002	18		WB	0	
4072	LHDB	150	20				FN	9/3/2002	19		WB	0	
4127	LHDB	191	60				FN	9/3/2002	19		EB	0	
4128	LHDB	285	234				FN	9/3/2002	19		EB	0	
116	LKWH	160	35				FN	7/18/2002	1		WB	1	
47	LKWH	173	44				FN	7/18/2002	1		EB	0	
51	LKWH	190	28				FN	7/18/2002	1		EB	0	
104	LKWH	192	70				FN	7/18/2002	1		WB	0	
42	LKWH	208	88				FN	7/18/2002	1		EB	0	
112	LKWH	216	130				FN	7/18/2002	1		WB	0	
45	LKWH	223	104				FN	7/18/2002	1		EB	1	
101	LKWH	285	290				FN	7/18/2002	1		WB	0	
5	LKWH	322	380				FN	7/18/2002	1		EB	0	
162	LKWH	205	70				FN	7/19/2002	2		EB	1	
315	LKWH	208	100				FN	7/19/2002	2		EB	1	
449	LKWH	215					FN	7/19/2002	3		EB	0	
314	LKWH	219	120				FN	7/19/2002	2		EB	1	
316	LKWH	234	185				FN	7/19/2002	2		EB	1	
466	LKWH	270					FN	7/19/2002	3		EB	0	
157	LKWH	304	345				FN	7/19/2002	2		EB	1	
214	LKWH	305	308				FN	7/19/2002	2		EB	1	
452	LKWH	414	1068				FN	7/19/2002	3		EB	0	
671	LKWH	115	40				FN	7/21/2002	4		WB	0	
645	LKWH	120	20				FN	7/21/2002	4		EB	1	
647	LKWH	120	20				FN	7/21/2002	4		EB	1	
828	LKWH	146	55				FN	7/21/2002	5		EB	0	
646	LKWH	147	35				FN	7/21/2002	4		EB	1	
644	LKWH	149	30				FN	7/21/2002	4		EB	1	
569	LKWH	178	50				FN	7/21/2002	4		EB	0	
781	LKWH	200	105				FN	7/21/2002	5		EB	0	
777	LKWH	205	85				FN	7/21/2002	5		EB	0	
786	LKWH	205	80				FN	7/21/2002	5		EB	0	
789	LKWH	211	80				FN	7/21/2002	5		EB	0	
794	LKWH	215	105				FN	7/21/2002	5		EB	0	
576	LKWH	217	120				FN	7/21/2002	4		EB	0	
745	LKWH	240	155				FN	7/21/2002	4		WB	0	
795	LKWH	255	155				FN	7/21/2002	5		EB	0	
822	LKWH	270	245				FN	7/21/2002	5		EB	0	
563	LKWH	289	305				FN	7/21/2002	4		EB	0	
827	LKWH	296	280				FN	7/21/2002	5		EB	0	
564	LKWH	375	610				FN	7/21/2002	4		EB	0	
772	LKWH	410	805		B	665	FN	7/21/2002	5		EB	0	
1146	LKWH	57					FN	7/22/2002	6		WB	1	
1169	LKWH	60					FN	7/22/2002	6		WB	1	
1147	LKWH	62					FN	7/22/2002	6		WB	1	
1151	LKWH	64					FN	7/22/2002	6		WB	1	
1149	LKWH	92					FN	7/22/2002	6		WB	1	
1150	LKWH	99					FN	7/22/2002	6		WB	1	
1148	LKWH	110					FN	7/22/2002	6		WB	1	
1186	LKWH	115	25				FN	7/22/2002	7		EB	0	
1152	LKWH	116					FN	7/22/2002	6		WB	1	
1034	LKWH	120	15				FN	7/22/2002	6		EB	1	
1164	LKWH	120					FN	7/22/2002	6		WB	1	
1028	LKWH	121	20				FN	7/22/2002	6		EB	1	
1163	LKWH	121					FN	7/22/2002	6		WB	1	
1026	LKWH	123	20				FN	7/22/2002	6		EB	1	
1088	LKWH	125					FN	7/22/2002	6		WB	0	
1242	LKWH	125	20				FN	7/22/2002	7		WB	0	
1031	LKWH	127	25				FN	7/22/2002	6		EB	1	
1030	LKWH	130	25				FN	7/22/2002	6		EB	1	
1007	LKWH	133	10				FN	7/22/2002	6		EB	1	
1157	LKWH	134	25				FN	7/22/2002	6		WB	1	
1094	LKWH	135					FN	7/22/2002	6		WB	0	
982	LKWH	142	20				FN	7/22/2002	6		EB	1	
1089	LKWH	158					FN	7/22/2002	6		WB	0	
1095	LKWH	160					FN	7/22/2002	6		WB	0	
1153	LKWH	162					FN	7/22/2002	6		WB	1	
1212	LKWH	195	80				FN	7/22/2002	7		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1249	LKWH	212	110				FN	7/22/2002	7		WB	0	
941	LKWH	216	70	99			FN	7/22/2002	6		EB	1	ST=0
938	LKWH	227	110	99			FN	7/22/2002	6		EB	1	ST=0
950	LKWH	260	165				FN	7/22/2002	6		EB	1	ST=O
942	LKWH	262	130	99			FN	7/22/2002	6		EB	1	ST=0
939	LKWH	269	205	99			FN	7/22/2002	6		EB	1	ST=0
1237	LKWH	310	365		B	684	FN	7/22/2002	7		WB	0	
1109	LKWH	326	305				FN	7/22/2002	6		WB	0	
1111	LKWH	360	590				FN	7/22/2002	6		WB	0	
873	LKWH	382	590				FN	7/22/2002	6		EB	0	
1105	LKWH	405	715				FN	7/22/2002	6		WB	0	
1110	LKWH	410	875				FN	7/22/2002	6		WB	0	
874	LKWH	456	1165				FN	7/22/2002	6		EB	0	
1279	LKWH	154	44				BS	7/23/2002	H1	2	EAST	0	EAST OF SEWAGE OUTFLOW
1291	LKWH	155	36				BS	7/23/2002	H1	3	EAST	0	EAST OF FYKE NET
1312	LKWH	430	1178				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1420	LKWH	55					FN	7/24/2002	8		WB	0	
1424	LKWH	55					FN	7/24/2002	8		WB	0	
1430	LKWH	56					FN	7/24/2002	8		WB	0	
1427	LKWH	58					FN	7/24/2002	8		WB	1	
1421	LKWH	60					FN	7/24/2002	8		WB	0	
1425	LKWH	60					FN	7/24/2002	8		WB	0	
1428	LKWH	60					FN	7/24/2002	8		WB	1	
1432	LKWH	60					FN	7/24/2002	8		WB	0	
1433	LKWH	60					FN	7/24/2002	8		WB	0	
1423	LKWH	62					FN	7/24/2002	8		WB	0	
1429	LKWH	62					FN	7/24/2002	8		WB	0	
1426	LKWH	65					FN	7/24/2002	8		WB	0	
1431	LKWH	65					FN	7/24/2002	8		WB	0	
1422	LKWH	69					FN	7/24/2002	8		WB	0	
1411	LKWH	100					FN	7/24/2002	8		WB	0	
1410	LKWH	112					FN	7/24/2002	8		WB	0	
1405	LKWH	125					FN	7/24/2002	8		WB	0	
1377	LKWH	130	20				FN	7/24/2002	8		WB	0	
1407	LKWH	158					FN	7/24/2002	8		WB	0	
1352	LKWH	160	22				FN	7/24/2002	8		EB	1	
2219	LKWH						FN	7/24/2002	8		WB	0	RND
2220	LKWH						FN	7/24/2002	8		WB	0	RND
2221	LKWH						FN	7/24/2002	8		WB	0	RND
2222	LKWH						FN	7/24/2002	8		WB	0	RND
2223	LKWH						FN	7/24/2002	8		WB	0	RND
2224	LKWH						FN	7/24/2002	8		WB	0	RND
2225	LKWH						FN	7/24/2002	8		WB	0	RND
2226	LKWH						FN	7/24/2002	8		WB	0	RND
2227	LKWH						FN	7/24/2002	8		WB	0	RND
2228	LKWH						FN	7/24/2002	8		WB	0	RND
2229	LKWH						FN	7/24/2002	8		WB	0	RND
2230	LKWH						FN	7/24/2002	8		WB	0	RND
2231	LKWH						FN	7/24/2002	8		WB	0	RND
2232	LKWH						FN	7/24/2002	8		WB	0	RND
2233	LKWH						FN	7/24/2002	8		WB	0	RND
2234	LKWH						FN	7/24/2002	8		WB	0	RND
2235	LKWH						FN	7/24/2002	8		WB	0	RND
2236	LKWH						FN	7/24/2002	8		WB	0	RND
2237	LKWH						FN	7/24/2002	8		WB	0	RND
2238	LKWH						FN	7/24/2002	8		WB	0	RND
2239	LKWH						FN	7/24/2002	8		WB	0	RND
2240	LKWH						FN	7/24/2002	8		WB	0	RND
2241	LKWH						FN	7/24/2002	8		WB	0	RND
2242	LKWH						FN	7/24/2002	8		WB	0	RND
2243	LKWH						FN	7/24/2002	8		WB	0	RND
2244	LKWH						FN	7/24/2002	8		WB	0	RND
2245	LKWH						FN	7/24/2002	8		WB	0	RND
2246	LKWH						FN	7/24/2002	8		WB	0	RND
2247	LKWH						FN	7/24/2002	8		WB	0	RND
2248	LKWH						FN	7/24/2002	8		WB	0	RND
2249	LKWH						FN	7/24/2002	8		WB	0	RND
2250	LKWH						FN	7/24/2002	8		WB	0	RND
2251	LKWH						FN	7/24/2002	8		WB	0	RND
2252	LKWH						FN	7/24/2002	8		WB	0	RND
2253	LKWH						FN	7/24/2002	8		WB	0	RND
2254	LKWH						FN	7/24/2002	8		WB	0	RND
2255	LKWH						FN	7/24/2002	8		WB	0	RND
2256	LKWH						FN	7/24/2002	8		WB	0	RND
2257	LKWH						FN	7/24/2002	8		WB	0	RND
2258	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2259	LKWH						FN	7/24/2002	8		WB	0	RND
2260	LKWH						FN	7/24/2002	8		WB	0	RND
2261	LKWH						FN	7/24/2002	8		WB	0	RND
2262	LKWH						FN	7/24/2002	8		WB	0	RND
2263	LKWH						FN	7/24/2002	8		WB	0	RND
2264	LKWH						FN	7/24/2002	8		WB	0	RND
2265	LKWH						FN	7/24/2002	8		WB	0	RND
2266	LKWH						FN	7/24/2002	8		WB	0	RND
2267	LKWH						FN	7/24/2002	8		WB	0	RND
2268	LKWH						FN	7/24/2002	8		WB	0	RND
2269	LKWH						FN	7/24/2002	8		WB	0	RND
2270	LKWH						FN	7/24/2002	8		WB	0	RND
2271	LKWH						FN	7/24/2002	8		WB	0	RND
2272	LKWH						FN	7/24/2002	8		WB	0	RND
2273	LKWH						FN	7/24/2002	8		WB	0	RND
2274	LKWH						FN	7/24/2002	8		WB	0	RND
2275	LKWH						FN	7/24/2002	8		WB	0	RND
2276	LKWH						FN	7/24/2002	8		WB	0	RND
2277	LKWH						FN	7/24/2002	8		WB	0	RND
2278	LKWH						FN	7/24/2002	8		WB	0	RND
2279	LKWH						FN	7/24/2002	8		WB	0	RND
2280	LKWH						FN	7/24/2002	8		WB	0	RND
2281	LKWH						FN	7/24/2002	8		WB	0	RND
2282	LKWH						FN	7/24/2002	8		WB	0	RND
2283	LKWH						FN	7/24/2002	8		WB	0	RND
2284	LKWH						FN	7/24/2002	8		WB	0	RND
2285	LKWH						FN	7/24/2002	8		WB	0	RND
2286	LKWH						FN	7/24/2002	8		WB	0	RND
2287	LKWH						FN	7/24/2002	8		WB	0	RND
2288	LKWH						FN	7/24/2002	8		WB	0	RND
2289	LKWH						FN	7/24/2002	8		WB	0	RND
2290	LKWH						FN	7/24/2002	8		WB	0	RND
2291	LKWH						FN	7/24/2002	8		WB	0	RND
2292	LKWH						FN	7/24/2002	8		WB	0	RND
2293	LKWH						FN	7/24/2002	8		WB	0	RND
2294	LKWH						FN	7/24/2002	8		WB	0	RND
2295	LKWH						FN	7/24/2002	8		WB	0	RND
2296	LKWH						FN	7/24/2002	8		WB	0	RND
2297	LKWH						FN	7/24/2002	8		WB	0	RND
2298	LKWH						FN	7/24/2002	8		WB	0	RND
2299	LKWH						FN	7/24/2002	8		WB	0	RND
2300	LKWH						FN	7/24/2002	8		WB	0	RND
2301	LKWH						FN	7/24/2002	8		WB	0	RND
2302	LKWH						FN	7/24/2002	8		WB	0	RND
2303	LKWH						FN	7/24/2002	8		WB	0	RND
2304	LKWH						FN	7/24/2002	8		WB	0	RND
2305	LKWH						FN	7/24/2002	8		WB	0	RND
2306	LKWH						FN	7/24/2002	8		WB	0	RND
2307	LKWH						FN	7/24/2002	8		WB	0	RND
2308	LKWH						FN	7/24/2002	8		WB	0	RND
2309	LKWH						FN	7/24/2002	8		WB	0	RND
2310	LKWH						FN	7/24/2002	8		WB	0	RND
2311	LKWH						FN	7/24/2002	8		WB	0	RND
2312	LKWH						FN	7/24/2002	8		WB	0	RND
2313	LKWH						FN	7/24/2002	8		WB	0	RND
2314	LKWH						FN	7/24/2002	8		WB	0	RND
2315	LKWH						FN	7/24/2002	8		WB	0	RND
2316	LKWH						FN	7/24/2002	8		WB	0	RND
2317	LKWH						FN	7/24/2002	8		WB	0	RND
2318	LKWH						FN	7/24/2002	8		WB	0	RND
2319	LKWH						FN	7/24/2002	8		WB	0	RND
2320	LKWH						FN	7/24/2002	8		WB	0	RND
2321	LKWH						FN	7/24/2002	8		WB	0	RND
2322	LKWH						FN	7/24/2002	8		WB	0	RND
2323	LKWH						FN	7/24/2002	8		WB	0	RND
2324	LKWH						FN	7/24/2002	8		WB	0	RND
2325	LKWH						FN	7/24/2002	8		WB	0	RND
2326	LKWH						FN	7/24/2002	8		WB	0	RND
2327	LKWH						FN	7/24/2002	8		WB	0	RND
2328	LKWH						FN	7/24/2002	8		WB	0	RND
2329	LKWH						FN	7/24/2002	8		WB	0	RND
2330	LKWH						FN	7/24/2002	8		WB	0	RND
2331	LKWH						FN	7/24/2002	8		WB	0	RND
2332	LKWH						FN	7/24/2002	8		WB	0	RND
2333	LKWH						FN	7/24/2002	8		WB	0	RND
2334	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2335	LKWH						FN	7/24/2002	8		WB	0	RND
2336	LKWH						FN	7/24/2002	8		WB	0	RND
2337	LKWH						FN	7/24/2002	8		WB	0	RND
2338	LKWH						FN	7/24/2002	8		WB	0	RND
2339	LKWH						FN	7/24/2002	8		WB	0	RND
2340	LKWH						FN	7/24/2002	8		WB	0	RND
2341	LKWH						FN	7/24/2002	8		WB	0	RND
2342	LKWH						FN	7/24/2002	8		WB	0	RND
2343	LKWH						FN	7/24/2002	8		WB	0	RND
2344	LKWH						FN	7/24/2002	8		WB	0	RND
2345	LKWH						FN	7/24/2002	8		WB	0	RND
2346	LKWH						FN	7/24/2002	8		WB	0	RND
2347	LKWH						FN	7/24/2002	8		WB	0	RND
2348	LKWH						FN	7/24/2002	8		WB	0	RND
2349	LKWH						FN	7/24/2002	8		WB	0	RND
2350	LKWH						FN	7/24/2002	8		WB	0	RND
2351	LKWH						FN	7/24/2002	8		WB	0	RND
2352	LKWH						FN	7/24/2002	8		WB	0	RND
2353	LKWH						FN	7/24/2002	8		WB	0	RND
2354	LKWH						FN	7/24/2002	8		WB	0	RND
2355	LKWH						FN	7/24/2002	8		WB	0	RND
2356	LKWH						FN	7/24/2002	8		WB	0	RND
2357	LKWH						FN	7/24/2002	8		WB	0	RND
2358	LKWH						FN	7/24/2002	8		WB	0	RND
2359	LKWH						FN	7/24/2002	8		WB	0	RND
2360	LKWH						FN	7/24/2002	8		WB	0	RND
2361	LKWH						FN	7/24/2002	8		WB	0	RND
2362	LKWH						FN	7/24/2002	8		WB	0	RND
2363	LKWH						FN	7/24/2002	8		WB	0	RND
2364	LKWH						FN	7/24/2002	8		WB	0	RND
2365	LKWH						FN	7/24/2002	8		WB	0	RND
2366	LKWH						FN	7/24/2002	8		WB	0	RND
2367	LKWH						FN	7/24/2002	8		WB	0	RND
2368	LKWH						FN	7/24/2002	8		WB	0	RND
2369	LKWH						FN	7/24/2002	8		WB	0	RND
2370	LKWH						FN	7/24/2002	8		WB	0	RND
2371	LKWH						FN	7/24/2002	8		WB	0	RND
2372	LKWH						FN	7/24/2002	8		WB	0	RND
2373	LKWH						FN	7/24/2002	8		WB	0	RND
2374	LKWH						FN	7/24/2002	8		WB	0	RND
2375	LKWH						FN	7/24/2002	8		WB	0	RND
2376	LKWH						FN	7/24/2002	8		WB	0	RND
2377	LKWH						FN	7/24/2002	8		WB	0	RND
2378	LKWH						FN	7/24/2002	8		WB	0	RND
2379	LKWH						FN	7/24/2002	8		WB	0	RND
2380	LKWH						FN	7/24/2002	8		WB	0	RND
2381	LKWH						FN	7/24/2002	8		WB	0	RND
2382	LKWH						FN	7/24/2002	8		WB	0	RND
2383	LKWH						FN	7/24/2002	8		WB	0	RND
2384	LKWH						FN	7/24/2002	8		WB	0	RND
2385	LKWH						FN	7/24/2002	8		WB	0	RND
2386	LKWH						FN	7/24/2002	8		WB	0	RND
2387	LKWH						FN	7/24/2002	8		WB	0	RND
2388	LKWH						FN	7/24/2002	8		WB	0	RND
2389	LKWH						FN	7/24/2002	8		WB	0	RND
2390	LKWH						FN	7/24/2002	8		WB	0	RND
2391	LKWH						FN	7/24/2002	8		WB	0	RND
2392	LKWH						FN	7/24/2002	8		WB	0	RND
2393	LKWH						FN	7/24/2002	8		WB	0	RND
2394	LKWH						FN	7/24/2002	8		WB	0	RND
2395	LKWH						FN	7/24/2002	8		WB	0	RND
2396	LKWH						FN	7/24/2002	8		WB	0	RND
2397	LKWH						FN	7/24/2002	8		WB	0	RND
2398	LKWH						FN	7/24/2002	8		WB	0	RND
2399	LKWH						FN	7/24/2002	8		WB	0	RND
2400	LKWH						FN	7/24/2002	8		WB	0	RND
2401	LKWH						FN	7/24/2002	8		WB	0	RND
2402	LKWH						FN	7/24/2002	8		WB	0	RND
2403	LKWH						FN	7/24/2002	8		WB	0	RND
2404	LKWH						FN	7/24/2002	8		WB	0	RND
2405	LKWH						FN	7/24/2002	8		WB	0	RND
2406	LKWH						FN	7/24/2002	8		WB	0	RND
2407	LKWH						FN	7/24/2002	8		WB	0	RND
2408	LKWH						FN	7/24/2002	8		WB	0	RND
2409	LKWH						FN	7/24/2002	8		WB	0	RND
2410	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2411	LKWH						FN	7/24/2002	8		WB	0	RND
2412	LKWH						FN	7/24/2002	8		WB	0	RND
2413	LKWH						FN	7/24/2002	8		WB	0	RND
2414	LKWH						FN	7/24/2002	8		WB	0	RND
2415	LKWH						FN	7/24/2002	8		WB	0	RND
2416	LKWH						FN	7/24/2002	8		WB	0	RND
2417	LKWH						FN	7/24/2002	8		WB	0	RND
2418	LKWH						FN	7/24/2002	8		WB	0	RND
2419	LKWH						FN	7/24/2002	8		WB	0	RND
2420	LKWH						FN	7/24/2002	8		WB	0	RND
2421	LKWH						FN	7/24/2002	8		WB	0	RND
2422	LKWH						FN	7/24/2002	8		WB	0	RND
2423	LKWH						FN	7/24/2002	8		WB	0	RND
2424	LKWH						FN	7/24/2002	8		WB	0	RND
2425	LKWH						FN	7/24/2002	8		WB	0	RND
2426	LKWH						FN	7/24/2002	8		WB	0	RND
2427	LKWH						FN	7/24/2002	8		WB	0	RND
2428	LKWH						FN	7/24/2002	8		WB	0	RND
2429	LKWH						FN	7/24/2002	8		WB	0	RND
2430	LKWH						FN	7/24/2002	8		WB	0	RND
2431	LKWH						FN	7/24/2002	8		WB	0	RND
2432	LKWH						FN	7/24/2002	8		WB	0	RND
2433	LKWH						FN	7/24/2002	8		WB	0	RND
2434	LKWH						FN	7/24/2002	8		WB	0	RND
2435	LKWH						FN	7/24/2002	8		WB	0	RND
2436	LKWH						FN	7/24/2002	8		WB	0	RND
2437	LKWH						FN	7/24/2002	8		WB	0	RND
2438	LKWH						FN	7/24/2002	8		WB	0	RND
2439	LKWH						FN	7/24/2002	8		WB	0	RND
2440	LKWH						FN	7/24/2002	8		WB	0	RND
2441	LKWH						FN	7/24/2002	8		WB	0	RND
2442	LKWH						FN	7/24/2002	8		WB	0	RND
2443	LKWH						FN	7/24/2002	8		WB	0	RND
2444	LKWH						FN	7/24/2002	8		WB	0	RND
2445	LKWH						FN	7/24/2002	8		WB	0	RND
2446	LKWH						FN	7/24/2002	8		WB	0	RND
2447	LKWH						FN	7/24/2002	8		WB	0	RND
2448	LKWH						FN	7/24/2002	8		WB	0	RND
2449	LKWH						FN	7/24/2002	8		WB	0	RND
2450	LKWH						FN	7/24/2002	8		WB	0	RND
2451	LKWH						FN	7/24/2002	8		WB	0	RND
2452	LKWH						FN	7/24/2002	8		WB	0	RND
2453	LKWH						FN	7/24/2002	8		WB	0	RND
2454	LKWH						FN	7/24/2002	8		WB	0	RND
2455	LKWH						FN	7/24/2002	8		WB	0	RND
2456	LKWH						FN	7/24/2002	8		WB	0	RND
2457	LKWH						FN	7/24/2002	8		WB	0	RND
2458	LKWH						FN	7/24/2002	8		WB	0	RND
2459	LKWH						FN	7/24/2002	8		WB	0	RND
2460	LKWH						FN	7/24/2002	8		WB	0	RND
2461	LKWH						FN	7/24/2002	8		WB	0	RND
2462	LKWH						FN	7/24/2002	8		WB	0	RND
2463	LKWH						FN	7/24/2002	8		WB	0	RND
2464	LKWH						FN	7/24/2002	8		WB	0	RND
2465	LKWH						FN	7/24/2002	8		WB	0	RND
2466	LKWH						FN	7/24/2002	8		WB	0	RND
2467	LKWH						FN	7/24/2002	8		WB	0	RND
2468	LKWH						FN	7/24/2002	8		WB	0	RND
2469	LKWH						FN	7/24/2002	8		WB	0	RND
2470	LKWH						FN	7/24/2002	8		WB	0	RND
2471	LKWH						FN	7/24/2002	8		WB	0	RND
2472	LKWH						FN	7/24/2002	8		WB	0	RND
2473	LKWH						FN	7/24/2002	8		WB	0	RND
2474	LKWH						FN	7/24/2002	8		WB	0	RND
2475	LKWH						FN	7/24/2002	8		WB	0	RND
2476	LKWH						FN	7/24/2002	8		WB	0	RND
2477	LKWH						FN	7/24/2002	8		WB	0	RND
2478	LKWH						FN	7/24/2002	8		WB	0	RND
2479	LKWH						FN	7/24/2002	8		WB	0	RND
2480	LKWH						FN	7/24/2002	8		WB	0	RND
2481	LKWH						FN	7/24/2002	8		WB	0	RND
2482	LKWH						FN	7/24/2002	8		WB	0	RND
2483	LKWH						FN	7/24/2002	8		WB	0	RND
2484	LKWH						FN	7/24/2002	8		WB	0	RND
2485	LKWH						FN	7/24/2002	8		WB	0	RND
2486	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2487	LKWH						FN	7/24/2002	8		WB	0	RND
2488	LKWH						FN	7/24/2002	8		WB	0	RND
2489	LKWH						FN	7/24/2002	8		WB	0	RND
2490	LKWH						FN	7/24/2002	8		WB	0	RND
2491	LKWH						FN	7/24/2002	8		WB	0	RND
2492	LKWH						FN	7/24/2002	8		WB	0	RND
2493	LKWH						FN	7/24/2002	8		WB	0	RND
2494	LKWH						FN	7/24/2002	8		WB	0	RND
2495	LKWH						FN	7/24/2002	8		WB	0	RND
2496	LKWH						FN	7/24/2002	8		WB	0	RND
2497	LKWH						FN	7/24/2002	8		WB	0	RND
2498	LKWH						FN	7/24/2002	8		WB	0	RND
2499	LKWH						FN	7/24/2002	8		WB	0	RND
2500	LKWH						FN	7/24/2002	8		WB	0	RND
2501	LKWH						FN	7/24/2002	8		WB	0	RND
2502	LKWH						FN	7/24/2002	8		WB	0	RND
2503	LKWH						FN	7/24/2002	8		WB	0	RND
2504	LKWH						FN	7/24/2002	8		WB	0	RND
2505	LKWH						FN	7/24/2002	8		WB	0	RND
2506	LKWH						FN	7/24/2002	8		WB	0	RND
2507	LKWH						FN	7/24/2002	8		WB	0	RND
2508	LKWH						FN	7/24/2002	8		WB	0	RND
2509	LKWH						FN	7/24/2002	8		WB	0	RND
2510	LKWH						FN	7/24/2002	8		WB	0	RND
2511	LKWH						FN	7/24/2002	8		WB	0	RND
2512	LKWH						FN	7/24/2002	8		WB	0	RND
2513	LKWH						FN	7/24/2002	8		WB	0	RND
2514	LKWH						FN	7/24/2002	8		WB	0	RND
2515	LKWH						FN	7/24/2002	8		WB	0	RND
2516	LKWH						FN	7/24/2002	8		WB	0	RND
2517	LKWH						FN	7/24/2002	8		WB	0	RND
2518	LKWH						FN	7/24/2002	8		WB	0	RND
2519	LKWH						FN	7/24/2002	8		WB	0	RND
2520	LKWH						FN	7/24/2002	8		WB	0	RND
2521	LKWH						FN	7/24/2002	8		WB	0	RND
2522	LKWH						FN	7/24/2002	8		WB	0	RND
2523	LKWH						FN	7/24/2002	8		WB	0	RND
2524	LKWH						FN	7/24/2002	8		WB	0	RND
2525	LKWH						FN	7/24/2002	8		WB	0	RND
2526	LKWH						FN	7/24/2002	8		WB	0	RND
2527	LKWH						FN	7/24/2002	8		WB	0	RND
2528	LKWH						FN	7/24/2002	8		WB	0	RND
2529	LKWH						FN	7/24/2002	8		WB	0	RND
2530	LKWH						FN	7/24/2002	8		WB	0	RND
2531	LKWH						FN	7/24/2002	8		WB	0	RND
2532	LKWH						FN	7/24/2002	8		WB	0	RND
2533	LKWH						FN	7/24/2002	8		WB	0	RND
2534	LKWH						FN	7/24/2002	8		WB	0	RND
2535	LKWH						FN	7/24/2002	8		WB	0	RND
2536	LKWH						FN	7/24/2002	8		WB	0	RND
2537	LKWH						FN	7/24/2002	8		WB	0	RND
2538	LKWH						FN	7/24/2002	8		WB	0	RND
2539	LKWH						FN	7/24/2002	8		WB	0	RND
2540	LKWH						FN	7/24/2002	8		WB	0	RND
2541	LKWH						FN	7/24/2002	8		WB	0	RND
2542	LKWH						FN	7/24/2002	8		WB	0	RND
2543	LKWH						FN	7/24/2002	8		WB	0	RND
2544	LKWH						FN	7/24/2002	8		WB	0	RND
2545	LKWH						FN	7/24/2002	8		WB	0	RND
2546	LKWH						FN	7/24/2002	8		WB	0	RND
2547	LKWH						FN	7/24/2002	8		WB	0	RND
2548	LKWH						FN	7/24/2002	8		WB	0	RND
2549	LKWH						FN	7/24/2002	8		WB	0	RND
2550	LKWH						FN	7/24/2002	8		WB	0	RND
2551	LKWH						FN	7/24/2002	8		WB	0	RND
2552	LKWH						FN	7/24/2002	8		WB	0	RND
2553	LKWH						FN	7/24/2002	8		WB	0	RND
2554	LKWH						FN	7/24/2002	8		WB	0	RND
2555	LKWH						FN	7/24/2002	8		WB	0	RND
2556	LKWH						FN	7/24/2002	8		WB	0	RND
2557	LKWH						FN	7/24/2002	8		WB	0	RND
2558	LKWH						FN	7/24/2002	8		WB	0	RND
2559	LKWH						FN	7/24/2002	8		WB	0	RND
2560	LKWH						FN	7/24/2002	8		WB	0	RND
2561	LKWH						FN	7/24/2002	8		WB	0	RND
2562	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2563	LKWH						FN	7/24/2002	8		WB	0	RND
2564	LKWH						FN	7/24/2002	8		WB	0	RND
2565	LKWH						FN	7/24/2002	8		WB	0	RND
2566	LKWH						FN	7/24/2002	8		WB	0	RND
2567	LKWH						FN	7/24/2002	8		WB	0	RND
2568	LKWH						FN	7/24/2002	8		WB	0	RND
2569	LKWH						FN	7/24/2002	8		WB	0	RND
2570	LKWH						FN	7/24/2002	8		WB	0	RND
2571	LKWH						FN	7/24/2002	8		WB	0	RND
2572	LKWH						FN	7/24/2002	8		WB	0	RND
2573	LKWH						FN	7/24/2002	8		WB	0	RND
2574	LKWH						FN	7/24/2002	8		WB	0	RND
2575	LKWH						FN	7/24/2002	8		WB	0	RND
2576	LKWH						FN	7/24/2002	8		WB	0	RND
2577	LKWH						FN	7/24/2002	8		WB	0	RND
2578	LKWH						FN	7/24/2002	8		WB	0	RND
2579	LKWH						FN	7/24/2002	8		WB	0	RND
2580	LKWH						FN	7/24/2002	8		WB	0	RND
2581	LKWH						FN	7/24/2002	8		WB	0	RND
2582	LKWH						FN	7/24/2002	8		WB	0	RND
2583	LKWH						FN	7/24/2002	8		WB	0	RND
2584	LKWH						FN	7/24/2002	8		WB	0	RND
2585	LKWH						FN	7/24/2002	8		WB	0	RND
2586	LKWH						FN	7/24/2002	8		WB	0	RND
2587	LKWH						FN	7/24/2002	8		WB	0	RND
2588	LKWH						FN	7/24/2002	8		WB	0	RND
2589	LKWH						FN	7/24/2002	8		WB	0	RND
2590	LKWH						FN	7/24/2002	8		WB	0	RND
2591	LKWH						FN	7/24/2002	8		WB	0	RND
2592	LKWH						FN	7/24/2002	8		WB	0	RND
2593	LKWH						FN	7/24/2002	8		WB	0	RND
2594	LKWH						FN	7/24/2002	8		WB	0	RND
2595	LKWH						FN	7/24/2002	8		WB	0	RND
2596	LKWH						FN	7/24/2002	8		WB	0	RND
2597	LKWH						FN	7/24/2002	8		WB	0	RND
2598	LKWH						FN	7/24/2002	8		WB	0	RND
2599	LKWH						FN	7/24/2002	8		WB	0	RND
2600	LKWH						FN	7/24/2002	8		WB	0	RND
2601	LKWH						FN	7/24/2002	8		WB	0	RND
2602	LKWH						FN	7/24/2002	8		WB	0	RND
2603	LKWH						FN	7/24/2002	8		WB	0	RND
2604	LKWH						FN	7/24/2002	8		WB	0	RND
2605	LKWH						FN	7/24/2002	8		WB	0	RND
2606	LKWH						FN	7/24/2002	8		WB	0	RND
2607	LKWH						FN	7/24/2002	8		WB	0	RND
2608	LKWH						FN	7/24/2002	8		WB	0	RND
2609	LKWH						FN	7/24/2002	8		WB	0	RND
2610	LKWH						FN	7/24/2002	8		WB	0	RND
2611	LKWH						FN	7/24/2002	8		WB	0	RND
2612	LKWH						FN	7/24/2002	8		WB	0	RND
2613	LKWH						FN	7/24/2002	8		WB	0	RND
2614	LKWH						FN	7/24/2002	8		WB	0	RND
2615	LKWH						FN	7/24/2002	8		WB	0	RND
2616	LKWH						FN	7/24/2002	8		WB	0	RND
2617	LKWH						FN	7/24/2002	8		WB	0	RND
2618	LKWH						FN	7/24/2002	8		WB	0	RND
2619	LKWH						FN	7/24/2002	8		WB	0	RND
2620	LKWH						FN	7/24/2002	8		WB	0	RND
2621	LKWH						FN	7/24/2002	8		WB	0	RND
2622	LKWH						FN	7/24/2002	8		WB	0	RND
2623	LKWH						FN	7/24/2002	8		WB	0	RND
2624	LKWH						FN	7/24/2002	8		WB	0	RND
2625	LKWH						FN	7/24/2002	8		WB	0	RND
2626	LKWH						FN	7/24/2002	8		WB	0	RND
2627	LKWH						FN	7/24/2002	8		WB	0	RND
2628	LKWH						FN	7/24/2002	8		WB	0	RND
2629	LKWH						FN	7/24/2002	8		WB	0	RND
2630	LKWH						FN	7/24/2002	8		WB	0	RND
2631	LKWH						FN	7/24/2002	8		WB	0	RND
2632	LKWH						FN	7/24/2002	8		WB	0	RND
2633	LKWH						FN	7/24/2002	8		WB	0	RND
2634	LKWH						FN	7/24/2002	8		WB	0	RND
2635	LKWH						FN	7/24/2002	8		WB	0	RND
2636	LKWH						FN	7/24/2002	8		WB	0	RND
2637	LKWH						FN	7/24/2002	8		WB	0	RND
2638	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2639	LKWH						FN	7/24/2002	8		WB	0	RND
2640	LKWH						FN	7/24/2002	8		WB	0	RND
2641	LKWH						FN	7/24/2002	8		WB	0	RND
2642	LKWH						FN	7/24/2002	8		WB	0	RND
2643	LKWH						FN	7/24/2002	8		WB	0	RND
2644	LKWH						FN	7/24/2002	8		WB	0	RND
2645	LKWH						FN	7/24/2002	8		WB	0	RND
2646	LKWH						FN	7/24/2002	8		WB	0	RND
2647	LKWH						FN	7/24/2002	8		WB	0	RND
2648	LKWH						FN	7/24/2002	8		WB	0	RND
2649	LKWH						FN	7/24/2002	8		WB	0	RND
2650	LKWH						FN	7/24/2002	8		WB	0	RND
2651	LKWH						FN	7/24/2002	8		WB	0	RND
2652	LKWH						FN	7/24/2002	8		WB	0	RND
2653	LKWH						FN	7/24/2002	8		WB	0	RND
2654	LKWH						FN	7/24/2002	8		WB	0	RND
2655	LKWH						FN	7/24/2002	8		WB	0	RND
2656	LKWH						FN	7/24/2002	8		WB	0	RND
2657	LKWH						FN	7/24/2002	8		WB	0	RND
2658	LKWH						FN	7/24/2002	8		WB	0	RND
2659	LKWH						FN	7/24/2002	8		WB	0	RND
2660	LKWH						FN	7/24/2002	8		WB	0	RND
2661	LKWH						FN	7/24/2002	8		WB	0	RND
2662	LKWH						FN	7/24/2002	8		WB	0	RND
2663	LKWH						FN	7/24/2002	8		WB	0	RND
2664	LKWH						FN	7/24/2002	8		WB	0	RND
2665	LKWH						FN	7/24/2002	8		WB	0	RND
2666	LKWH						FN	7/24/2002	8		WB	0	RND
2667	LKWH						FN	7/24/2002	8		WB	0	RND
2668	LKWH						FN	7/24/2002	8		WB	0	RND
2669	LKWH						FN	7/24/2002	8		WB	0	RND
2670	LKWH						FN	7/24/2002	8		WB	0	RND
2671	LKWH						FN	7/24/2002	8		WB	0	RND
2672	LKWH						FN	7/24/2002	8		WB	0	RND
2673	LKWH						FN	7/24/2002	8		WB	0	RND
2674	LKWH						FN	7/24/2002	8		WB	0	RND
2675	LKWH						FN	7/24/2002	8		WB	0	RND
2676	LKWH						FN	7/24/2002	8		WB	0	RND
2677	LKWH						FN	7/24/2002	8		WB	0	RND
2678	LKWH						FN	7/24/2002	8		WB	0	RND
2679	LKWH						FN	7/24/2002	8		WB	0	RND
2680	LKWH						FN	7/24/2002	8		WB	0	RND
2681	LKWH						FN	7/24/2002	8		WB	0	RND
2682	LKWH						FN	7/24/2002	8		WB	0	RND
2683	LKWH						FN	7/24/2002	8		WB	0	RND
2684	LKWH						FN	7/24/2002	8		WB	0	RND
2685	LKWH						FN	7/24/2002	8		WB	0	RND
2686	LKWH						FN	7/24/2002	8		WB	0	RND
2687	LKWH						FN	7/24/2002	8		WB	0	RND
2688	LKWH						FN	7/24/2002	8		WB	0	RND
2689	LKWH						FN	7/24/2002	8		WB	0	RND
2690	LKWH						FN	7/24/2002	8		WB	0	RND
2691	LKWH						FN	7/24/2002	8		WB	0	RND
2692	LKWH						FN	7/24/2002	8		WB	0	RND
2693	LKWH						FN	7/24/2002	8		WB	0	RND
2694	LKWH						FN	7/24/2002	8		WB	0	RND
2695	LKWH						FN	7/24/2002	8		WB	0	RND
2696	LKWH						FN	7/24/2002	8		WB	0	RND
2697	LKWH						FN	7/24/2002	8		WB	0	RND
2698	LKWH						FN	7/24/2002	8		WB	0	RND
2699	LKWH						FN	7/24/2002	8		WB	0	RND
2700	LKWH						FN	7/24/2002	8		WB	0	RND
2701	LKWH						FN	7/24/2002	8		WB	0	RND
2702	LKWH						FN	7/24/2002	8		WB	0	RND
2703	LKWH						FN	7/24/2002	8		WB	0	RND
2704	LKWH						FN	7/24/2002	8		WB	0	RND
2705	LKWH						FN	7/24/2002	8		WB	0	RND
2706	LKWH						FN	7/24/2002	8		WB	0	RND
2707	LKWH						FN	7/24/2002	8		WB	0	RND
2708	LKWH						FN	7/24/2002	8		WB	0	RND
2709	LKWH						FN	7/24/2002	8		WB	0	RND
2710	LKWH						FN	7/24/2002	8		WB	0	RND
2711	LKWH						FN	7/24/2002	8		WB	0	RND
2712	LKWH						FN	7/24/2002	8		WB	0	RND
2713	LKWH						FN	7/24/2002	8		WB	0	RND
2714	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2715	LKWH						FN	7/24/2002	8		WB	0	RND
2716	LKWH						FN	7/24/2002	8		WB	0	RND
2717	LKWH						FN	7/24/2002	8		WB	0	RND
2718	LKWH						FN	7/24/2002	8		WB	0	RND
2719	LKWH						FN	7/24/2002	8		WB	0	RND
2720	LKWH						FN	7/24/2002	8		WB	0	RND
2721	LKWH						FN	7/24/2002	8		WB	0	RND
2722	LKWH						FN	7/24/2002	8		WB	0	RND
2723	LKWH						FN	7/24/2002	8		WB	0	RND
2724	LKWH						FN	7/24/2002	8		WB	0	RND
2725	LKWH						FN	7/24/2002	8		WB	0	RND
2726	LKWH						FN	7/24/2002	8		WB	0	RND
2727	LKWH						FN	7/24/2002	8		WB	0	RND
2728	LKWH						FN	7/24/2002	8		WB	0	RND
2729	LKWH						FN	7/24/2002	8		WB	0	RND
2730	LKWH						FN	7/24/2002	8		WB	0	RND
2731	LKWH						FN	7/24/2002	8		WB	0	RND
2732	LKWH						FN	7/24/2002	8		WB	0	RND
2733	LKWH						FN	7/24/2002	8		WB	0	RND
2734	LKWH						FN	7/24/2002	8		WB	0	RND
2735	LKWH						FN	7/24/2002	8		WB	0	RND
2736	LKWH						FN	7/24/2002	8		WB	0	RND
2737	LKWH						FN	7/24/2002	8		WB	0	RND
2738	LKWH						FN	7/24/2002	8		WB	0	RND
2739	LKWH						FN	7/24/2002	8		WB	0	RND
2740	LKWH						FN	7/24/2002	8		WB	0	RND
2741	LKWH						FN	7/24/2002	8		WB	0	RND
2742	LKWH						FN	7/24/2002	8		WB	0	RND
2743	LKWH						FN	7/24/2002	8		WB	0	RND
2744	LKWH						FN	7/24/2002	8		WB	0	RND
2745	LKWH						FN	7/24/2002	8		WB	0	RND
2746	LKWH						FN	7/24/2002	8		WB	0	RND
2747	LKWH						FN	7/24/2002	8		WB	0	RND
2748	LKWH						FN	7/24/2002	8		WB	0	RND
2749	LKWH						FN	7/24/2002	8		WB	0	RND
2750	LKWH						FN	7/24/2002	8		WB	0	RND
2751	LKWH						FN	7/24/2002	8		WB	0	RND
2752	LKWH						FN	7/24/2002	8		WB	0	RND
2753	LKWH						FN	7/24/2002	8		WB	0	RND
2754	LKWH						FN	7/24/2002	8		WB	0	RND
2755	LKWH						FN	7/24/2002	8		WB	0	RND
2756	LKWH						FN	7/24/2002	8		WB	0	RND
2757	LKWH						FN	7/24/2002	8		WB	0	RND
2758	LKWH						FN	7/24/2002	8		WB	0	RND
2759	LKWH						FN	7/24/2002	8		WB	0	RND
2760	LKWH						FN	7/24/2002	8		WB	0	RND
2761	LKWH						FN	7/24/2002	8		WB	0	RND
2762	LKWH						FN	7/24/2002	8		WB	0	RND
2763	LKWH						FN	7/24/2002	8		WB	0	RND
2764	LKWH						FN	7/24/2002	8		WB	0	RND
2765	LKWH						FN	7/24/2002	8		WB	0	RND
2766	LKWH						FN	7/24/2002	8		WB	0	RND
2767	LKWH						FN	7/24/2002	8		WB	0	RND
2768	LKWH						FN	7/24/2002	8		WB	0	RND
2769	LKWH						FN	7/24/2002	8		WB	0	RND
2770	LKWH						FN	7/24/2002	8		WB	0	RND
2771	LKWH						FN	7/24/2002	8		WB	0	RND
2772	LKWH						FN	7/24/2002	8		WB	0	RND
2773	LKWH						FN	7/24/2002	8		WB	0	RND
2774	LKWH						FN	7/24/2002	8		WB	0	RND
2775	LKWH						FN	7/24/2002	8		WB	0	RND
2776	LKWH						FN	7/24/2002	8		WB	0	RND
2777	LKWH						FN	7/24/2002	8		WB	0	RND
2778	LKWH						FN	7/24/2002	8		WB	0	RND
2779	LKWH						FN	7/24/2002	8		WB	0	RND
2780	LKWH						FN	7/24/2002	8		WB	0	RND
2781	LKWH						FN	7/24/2002	8		WB	0	RND
2782	LKWH						FN	7/24/2002	8		WB	0	RND
2783	LKWH						FN	7/24/2002	8		WB	0	RND
2784	LKWH						FN	7/24/2002	8		WB	0	RND
2785	LKWH						FN	7/24/2002	8		WB	0	RND
2786	LKWH						FN	7/24/2002	8		WB	0	RND
2787	LKWH						FN	7/24/2002	8		WB	0	RND
2788	LKWH						FN	7/24/2002	8		WB	0	RND
2789	LKWH						FN	7/24/2002	8		WB	0	RND
2790	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2791	LKWH						FN	7/24/2002	8		WB	0	RND
2792	LKWH						FN	7/24/2002	8		WB	0	RND
2793	LKWH						FN	7/24/2002	8		WB	0	RND
2794	LKWH						FN	7/24/2002	8		WB	0	RND
2795	LKWH						FN	7/24/2002	8		WB	0	RND
2796	LKWH						FN	7/24/2002	8		WB	0	RND
2797	LKWH						FN	7/24/2002	8		WB	0	RND
2798	LKWH						FN	7/24/2002	8		WB	0	RND
2799	LKWH						FN	7/24/2002	8		WB	0	RND
2800	LKWH						FN	7/24/2002	8		WB	0	RND
2801	LKWH						FN	7/24/2002	8		WB	0	RND
2802	LKWH						FN	7/24/2002	8		WB	0	RND
2803	LKWH						FN	7/24/2002	8		WB	0	RND
2804	LKWH						FN	7/24/2002	8		WB	0	RND
2805	LKWH						FN	7/24/2002	8		WB	0	RND
2806	LKWH						FN	7/24/2002	8		WB	0	RND
2807	LKWH						FN	7/24/2002	8		WB	0	RND
2808	LKWH						FN	7/24/2002	8		WB	0	RND
2809	LKWH						FN	7/24/2002	8		WB	0	RND
2810	LKWH						FN	7/24/2002	8		WB	0	RND
2811	LKWH						FN	7/24/2002	8		WB	0	RND
2812	LKWH						FN	7/24/2002	8		WB	0	RND
2813	LKWH						FN	7/24/2002	8		WB	0	RND
2814	LKWH						FN	7/24/2002	8		WB	0	RND
2815	LKWH						FN	7/24/2002	8		WB	0	RND
2816	LKWH						FN	7/24/2002	8		WB	0	RND
2817	LKWH						FN	7/24/2002	8		WB	0	RND
2818	LKWH						FN	7/24/2002	8		WB	0	RND
2819	LKWH						FN	7/24/2002	8		WB	0	RND
2820	LKWH						FN	7/24/2002	8		WB	0	RND
2821	LKWH						FN	7/24/2002	8		WB	0	RND
2822	LKWH						FN	7/24/2002	8		WB	0	RND
2823	LKWH						FN	7/24/2002	8		WB	0	RND
2824	LKWH						FN	7/24/2002	8		WB	0	RND
2825	LKWH						FN	7/24/2002	8		WB	0	RND
2826	LKWH						FN	7/24/2002	8		WB	0	RND
2827	LKWH						FN	7/24/2002	8		WB	0	RND
2828	LKWH						FN	7/24/2002	8		WB	0	RND
2829	LKWH						FN	7/24/2002	8		WB	0	RND
2830	LKWH						FN	7/24/2002	8		WB	0	RND
2831	LKWH						FN	7/24/2002	8		WB	0	RND
2832	LKWH						FN	7/24/2002	8		WB	0	RND
2833	LKWH						FN	7/24/2002	8		WB	0	RND
2834	LKWH						FN	7/24/2002	8		WB	0	RND
2835	LKWH						FN	7/24/2002	8		WB	0	RND
2836	LKWH						FN	7/24/2002	8		WB	0	RND
2837	LKWH						FN	7/24/2002	8		WB	0	RND
2838	LKWH						FN	7/24/2002	8		WB	0	RND
2839	LKWH						FN	7/24/2002	8		WB	0	RND
2840	LKWH						FN	7/24/2002	8		WB	0	RND
2841	LKWH						FN	7/24/2002	8		WB	0	RND
2842	LKWH						FN	7/24/2002	8		WB	0	RND
2843	LKWH						FN	7/24/2002	8		WB	0	RND
2844	LKWH						FN	7/24/2002	8		WB	0	RND
2845	LKWH						FN	7/24/2002	8		WB	0	RND
2846	LKWH						FN	7/24/2002	8		WB	0	RND
2847	LKWH						FN	7/24/2002	8		WB	0	RND
2848	LKWH						FN	7/24/2002	8		WB	0	RND
2849	LKWH						FN	7/24/2002	8		WB	0	RND
2850	LKWH						FN	7/24/2002	8		WB	0	RND
2851	LKWH						FN	7/24/2002	8		WB	0	RND
2852	LKWH						FN	7/24/2002	8		WB	0	RND
2853	LKWH						FN	7/24/2002	8		WB	0	RND
2854	LKWH						FN	7/24/2002	8		WB	0	RND
2855	LKWH						FN	7/24/2002	8		WB	0	RND
2856	LKWH						FN	7/24/2002	8		WB	0	RND
2857	LKWH						FN	7/24/2002	8		WB	0	RND
2858	LKWH						FN	7/24/2002	8		WB	0	RND
2859	LKWH						FN	7/24/2002	8		WB	0	RND
2860	LKWH						FN	7/24/2002	8		WB	0	RND
2861	LKWH						FN	7/24/2002	8		WB	0	RND
2862	LKWH						FN	7/24/2002	8		WB	0	RND
2863	LKWH						FN	7/24/2002	8		WB	0	RND
2864	LKWH						FN	7/24/2002	8		WB	0	RND
2865	LKWH						FN	7/24/2002	8		WB	0	RND
2866	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2867	LKWH						FN	7/24/2002	8		WB	0	RND
2868	LKWH						FN	7/24/2002	8		WB	0	RND
2869	LKWH						FN	7/24/2002	8		WB	0	RND
2870	LKWH						FN	7/24/2002	8		WB	0	RND
2871	LKWH						FN	7/24/2002	8		WB	0	RND
2872	LKWH						FN	7/24/2002	8		WB	0	RND
2873	LKWH						FN	7/24/2002	8		WB	0	RND
2874	LKWH						FN	7/24/2002	8		WB	0	RND
2875	LKWH						FN	7/24/2002	8		WB	0	RND
2876	LKWH						FN	7/24/2002	8		WB	0	RND
2877	LKWH						FN	7/24/2002	8		WB	0	RND
2878	LKWH						FN	7/24/2002	8		WB	0	RND
2879	LKWH						FN	7/24/2002	8		WB	0	RND
2880	LKWH						FN	7/24/2002	8		WB	0	RND
2881	LKWH						FN	7/24/2002	8		WB	0	RND
2882	LKWH						FN	7/24/2002	8		WB	0	RND
2883	LKWH						FN	7/24/2002	8		WB	0	RND
2884	LKWH						FN	7/24/2002	8		WB	0	RND
2885	LKWH						FN	7/24/2002	8		WB	0	RND
2886	LKWH						FN	7/24/2002	8		WB	0	RND
2887	LKWH						FN	7/24/2002	8		WB	0	RND
2888	LKWH						FN	7/24/2002	8		WB	0	RND
2889	LKWH						FN	7/24/2002	8		WB	0	RND
2890	LKWH						FN	7/24/2002	8		WB	0	RND
2891	LKWH						FN	7/24/2002	8		WB	0	RND
2892	LKWH						FN	7/24/2002	8		WB	0	RND
2893	LKWH						FN	7/24/2002	8		WB	0	RND
2894	LKWH						FN	7/24/2002	8		WB	0	RND
2895	LKWH						FN	7/24/2002	8		WB	0	RND
2896	LKWH						FN	7/24/2002	8		WB	0	RND
2897	LKWH						FN	7/24/2002	8		WB	0	RND
2898	LKWH						FN	7/24/2002	8		WB	0	RND
2899	LKWH						FN	7/24/2002	8		WB	0	RND
2900	LKWH						FN	7/24/2002	8		WB	0	RND
2901	LKWH						FN	7/24/2002	8		WB	0	RND
2902	LKWH						FN	7/24/2002	8		WB	0	RND
2903	LKWH						FN	7/24/2002	8		WB	0	RND
2904	LKWH						FN	7/24/2002	8		WB	0	RND
2905	LKWH						FN	7/24/2002	8		WB	0	RND
2906	LKWH						FN	7/24/2002	8		WB	0	RND
2907	LKWH						FN	7/24/2002	8		WB	0	RND
2908	LKWH						FN	7/24/2002	8		WB	0	RND
2909	LKWH						FN	7/24/2002	8		WB	0	RND
2910	LKWH						FN	7/24/2002	8		WB	0	RND
2911	LKWH						FN	7/24/2002	8		WB	0	RND
2912	LKWH						FN	7/24/2002	8		WB	0	RND
2913	LKWH						FN	7/24/2002	8		WB	0	RND
2914	LKWH						FN	7/24/2002	8		WB	0	RND
2915	LKWH						FN	7/24/2002	8		WB	0	RND
2916	LKWH						FN	7/24/2002	8		WB	0	RND
2917	LKWH						FN	7/24/2002	8		WB	0	RND
2918	LKWH						FN	7/24/2002	8		WB	0	RND
2919	LKWH						FN	7/24/2002	8		WB	0	RND
2920	LKWH						FN	7/24/2002	8		WB	0	RND
2921	LKWH						FN	7/24/2002	8		WB	0	RND
2922	LKWH						FN	7/24/2002	8		WB	0	RND
2923	LKWH						FN	7/24/2002	8		WB	0	RND
2924	LKWH						FN	7/24/2002	8		WB	0	RND
2925	LKWH						FN	7/24/2002	8		WB	0	RND
2926	LKWH						FN	7/24/2002	8		WB	0	RND
2927	LKWH						FN	7/24/2002	8		WB	0	RND
2928	LKWH						FN	7/24/2002	8		WB	0	RND
2929	LKWH						FN	7/24/2002	8		WB	0	RND
2930	LKWH						FN	7/24/2002	8		WB	0	RND
2931	LKWH						FN	7/24/2002	8		WB	0	RND
2932	LKWH						FN	7/24/2002	8		WB	0	RND
2933	LKWH						FN	7/24/2002	8		WB	0	RND
2934	LKWH						FN	7/24/2002	8		WB	0	RND
2935	LKWH						FN	7/24/2002	8		WB	0	RND
2936	LKWH						FN	7/24/2002	8		WB	0	RND
2937	LKWH						FN	7/24/2002	8		WB	0	RND
2938	LKWH						FN	7/24/2002	8		WB	0	RND
2939	LKWH						FN	7/24/2002	8		WB	0	RND
2940	LKWH						FN	7/24/2002	8		WB	0	RND
2941	LKWH						FN	7/24/2002	8		WB	0	RND
2942	LKWH						FN	7/24/2002	8		WB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2943	LKWH						FN	7/24/2002	8		WB	0	RND
2944	LKWH						FN	7/24/2002	8		WB	0	RND
2945	LKWH						FN	7/24/2002	8		WB	0	RND
2946	LKWH						FN	7/24/2002	8		WB	0	RND
2947	LKWH						FN	7/24/2002	8		WB	0	RND
2948	LKWH						FN	7/24/2002	8		WB	0	RND
2949	LKWH						FN	7/24/2002	8		WB	0	RND
2950	LKWH						FN	7/24/2002	8		WB	0	RND
2951	LKWH						FN	7/24/2002	8		WB	0	RND
2952	LKWH						FN	7/24/2002	8		WB	0	RND
2953	LKWH						FN	7/24/2002	8		WB	0	RND
1790	LKWH	125	54				FN	7/25/2002	10		EB	0	
1557	LKWH	178					FN	7/25/2002	9		EB	0	
1700	LKWH	196					FN	7/25/2002	9		WB	0	
1514	LKWH	202					FN	7/25/2002	9		EB	0	
1782	LKWH	214	132				GN	7/25/2002	PULLED	4	WEST	0	WEST OF CAMPGOUND
1512	LKWH	220					FN	7/25/2002	9		EB	0	
1558	LKWH	228					FN	7/25/2002	9		EB	0	
1799	LKWH	230					FN	7/25/2002	10		EB	0	
1795	LKWH	254					FN	7/25/2002	10		EB	0	
1556	LKWH	265					FN	7/25/2002	9		EB	0	
1793	LKWH	265	230				FN	7/25/2002	10		EB	0	
1861	LKWH	292					FN	7/25/2002	10		WB	0	
1873	LKWH	304					FN	7/25/2002	10		WB	0	
1633	LKWH	350					FN	7/25/2002	9		WB	0	
1942	LKWH	127					FN	7/26/2002	11		EB	0	
1923	LKWH	218					FN	7/26/2002	11		EB	0	
1927	LKWH	225					FN	7/26/2002	11		EB	0	
1926	LKWH	230					FN	7/26/2002	11		EB	0	
1930	LKWH	238					FN	7/26/2002	11		EB	0	
1932	LKWH	238					FN	7/26/2002	11		EB	0	
1924	LKWH	242					FN	7/26/2002	11		EB	0	
1934	LKWH	308					FN	7/26/2002	11		EB	0	
3089	LKWH	264					FN	8/29/2002	12		EB	0	
3082	LKWH	385					FN	8/29/2002	12		EB	0	
3298	LKWH	75					BS	8/30/2002	H1	9	WEST	0	WEST OF FYKE NET
3297	LKWH	76					BS	8/30/2002	H1	9	WEST	0	WEST OF FYKE NET
3181	LKWH	130	30				FN	8/30/2002	13		WB	0	
3250	LKWH	152	48				FN	8/30/2002	13		WB	0	
3368	LKWH	154					FN	8/30/2002	14		WB	0	
3307	LKWH	168	134				FN	8/30/2002	14		EB	0	
3311	LKWH	172	56				FN	8/30/2002	14		EB	0	
3309	LKWH	175	130				FN	8/30/2002	14		EB	0	
3303	LKWH	176	86				FN	8/30/2002	14		EB	0	
3163	LKWH	218	106				FN	8/30/2002	13		EB	0	
3282	LKWH	223	114				FN	8/30/2002	13		WB	0	
3172	LKWH	227	150				FN	8/30/2002	13		WB	0	
3162	LKWH	230	148				FN	8/30/2002	13		EB	1	
3174	LKWH	240	136				FN	8/30/2002	13		WB	0	
3164	LKWH	242	170				FN	8/30/2002	13		EB	0	
3357	LKWH	252	158				FN	8/30/2002	14		EB	0	
3299	LKWH	262	206				FN	8/30/2002	14		EB	0	
3358	LKWH	278	214				FN	8/30/2002	14		EB	0	
3173	LKWH	282	250				FN	8/30/2002	13		WB	0	
3343	LKWH	286	306				FN	8/30/2002	14		EB	0	
3300	LKWH	307	264				FN	8/30/2002	14		EB	0	
3360	LKWH	315	368			530	FN	8/30/2002	14		EB	0	
3281	LKWH	320	238			775	FN	8/30/2002	13		WB	0	
3348	LKWH	320	418			527	FN	8/30/2002	14		EB	0	
3345	LKWH	324	370			974	FN	8/30/2002	14		EB	0	
3159	LKWH	326	212				FN	8/30/2002	13		EB	0	
3347	LKWH	326	334			526	FN	8/30/2002	14		EB	0	
3346	LKWH	358	624			975	FN	8/30/2002	14		EB	0	
3284	LKWH	384	672			969	FN	8/30/2002	13		WB	0	
3507	LKWH	140					FN	8/31/2002	15		WB	0	
3502	LKWH	150					FN	8/31/2002	15		WB	0	
3513	LKWH	152					FN	8/31/2002	15		WB	0	
3494	LKWH	162					FN	8/31/2002	15		WB	0	
3495	LKWH	180					FN	8/31/2002	15		WB	0	
3509	LKWH	187					FN	8/31/2002	15		WB	0	
3506	LKWH	190					FN	8/31/2002	15		WB	0	
3551	LKWH	197					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3467	LKWH	212	146				FN	8/31/2002	15		EB	0	
3492	LKWH	220					FN	8/31/2002	15		WB	0	
3400	LKWH	231	142				FN	8/31/2002	15		EB	0	
3446	LKWH	270	192				FN	8/31/2002	15		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3566	LKWH	272	166				GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3549	LKWH	280		1			GN	8/31/2002	PULLED	5	WEST	1	WEST OF FYKE NET
3565	LKWH	316	158				GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3562	LKWH	327	520				GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3462	LKWH	343	426				FN	8/31/2002	15		EB	0	
3563	LKWH	346	506	11			GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
3488	LKWH	350				535	FN	8/31/2002	15		WB	0	
3826	LKWH	60					FN	9/1/2002	17		WB	0	
3830	LKWH	62					FN	9/1/2002	17		WB	0	
3843	LKWH	62					FN	9/1/2002	17		WB	0	
3824	LKWH	65					FN	9/1/2002	17		WB	0	
3835	LKWH	65					FN	9/1/2002	17		WB	0	
3840	LKWH	66					FN	9/1/2002	17		WB	0	
3849	LKWH	66					FN	9/1/2002	17		WB	0	
3716	LKWH	70					FN	9/1/2002	16		WB	0	
3821	LKWH	70					FN	9/1/2002	17		WB	0	
3825	LKWH	70					FN	9/1/2002	17		WB	0	
3845	LKWH	70					FN	9/1/2002	17		WB	0	
3829	LKWH	72					FN	9/1/2002	17		WB	0	
3850	LKWH	72					FN	9/1/2002	17		WB	0	
3846	LKWH	75					FN	9/1/2002	17		WB	0	
3820	LKWH	80					FN	9/1/2002	17		WB	0	
3837	LKWH	80					FN	9/1/2002	17		WB	0	
3779	LKWH	88					FN	9/1/2002	17		EB	0	
3695	LKWH	97					FN	9/1/2002	16		WB	0	
3769	LKWH	97					FN	9/1/2002	17		EB	0	
3768	LKWH	102					FN	9/1/2002	17		EB	0	
3780	LKWH	102					FN	9/1/2002	17		EB	0	
3673	LKWH	105					FN	9/1/2002	16		WB	0	
3773	LKWH	105					FN	9/1/2002	17		EB	0	
3785	LKWH	105					FN	9/1/2002	17		EB	0	
3727	LKWH	114					FN	9/1/2002	16		WB	0	
3848	LKWH	115					FN	9/1/2002	17		WB	0	
3775	LKWH	122					FN	9/1/2002	17		EB	0	
3818	LKWH	122					FN	9/1/2002	17		WB	0	
3674	LKWH	124					FN	9/1/2002	16		WB	0	
3666	LKWH	135					FN	9/1/2002	16		WB	0	
3683	LKWH	144					FN	9/1/2002	16		WB	0	
3659	LKWH	152					FN	9/1/2002	16		WB	0	
3658	LKWH	155					FN	9/1/2002	16		WB	0	
3655	LKWH	156					FN	9/1/2002	16		WB	0	
3657	LKWH	156					FN	9/1/2002	16		WB	0	
3669	LKWH	156					FN	9/1/2002	16		WB	0	
3681	LKWH	165					FN	9/1/2002	16		WB	0	
3663	LKWH	166					FN	9/1/2002	16		WB	0	
3665	LKWH	168					FN	9/1/2002	16		WB	0	
3613	LKWH	170					FN	9/1/2002	16		EB	0	
3791	LKWH	173					FN	9/1/2002	17		EB	0	
3767	LKWH	175					FN	9/1/2002	17		EB	0	
3651	LKWH	185					FN	9/1/2002	16		WB	0	
3608	LKWH	188					FN	9/1/2002	16		EB	0	
3764	LKWH	190	60				FN	9/1/2002	17		EB	0	
3661	LKWH	192					FN	9/1/2002	16		WB	0	
3752	LKWH	203	82				FN	9/1/2002	17		EB	0	
3753	LKWH	212	94				FN	9/1/2002	17		EB	0	
3756	LKWH	220	192				FN	9/1/2002	17		EB	0	
3653	LKWH	225					FN	9/1/2002	16		WB	0	
3639	LKWH	230					FN	9/1/2002	16		WB	0	
3614	LKWH	232					FN	9/1/2002	16		EB	1	ST=0
3641	LKWH	235					FN	9/1/2002	16		WB	0	
3646	LKWH	237					FN	9/1/2002	16		WB	0	
3650	LKWH	245		11			FN	9/1/2002	16		WB	1	ST=0
3817	LKWH	252					FN	9/1/2002	17		WB	0	
3577	LKWH	255					FN	9/1/2002	16		EB	0	
3609	LKWH	257					FN	9/1/2002	16		EB	1	ST=0
3606	LKWH	272					FN	9/1/2002	16		EB	0	
3754	LKWH	273	282				FN	9/1/2002	17		EB	0	
3607	LKWH	280					FN	9/1/2002	16		EB	0	
3634	LKWH	310		1			FN	9/1/2002	16		WB	0	
3636	LKWH	320					FN	9/1/2002	16		WB	0	
3737	LKWH	340	362	16			GN	9/1/2002	PULLED	7	EAST	1	ST=0
3744	LKWH	345	520			545	FN	9/1/2002	17		EB	0	
3748	LKWH	382	626			549	FN	9/1/2002	17		EB	0	
3746	LKWH	390	662			547	FN	9/1/2002	17		EB	0	
3747	LKWH	395	738			548	FN	9/1/2002	17		EB	0	
3745	LKWH	413	928			546	FN	9/1/2002	17		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3736	LKWH	430	946	4			GN	9/1/2002	PULLED	7	EAST	1	ST=0 Snails
3941	LKWH	174					FN	9/2/2002	18		EB	0	
3905	LKWH	176					FN	9/2/2002	18		WB	0	
3906	LKWH	180					FN	9/2/2002	18		WB	0	
4047	LKWH	222	120				GN	9/2/2002	PULLED	8	NORTH	0	NORTH OF FYKE NET
3902	LKWH	230					FN	9/2/2002	18		WB	0	
3939	LKWH	239					FN	9/2/2002	18		EB	0	
3949	LKWH	257					FN	9/2/2002	18		EB	0	
4044	LKWH	323	438			994	GN	9/2/2002	PULLED	8	NORTH	0	NORTH OF FYKE NET
3857	LKWH	333					FN	9/2/2002	18		WB	0	
4133	LKWH	302				778	FN	9/3/2002	19		EB	0	
4132	LKWH	370	534			777	FN	9/3/2002	19		EB	0	
4060	LKWH	375	142				FN	9/3/2002	19		WB	0	
460	LNSC	290					FN	7/19/2002	3		EB	0	
165	LNSC	292	260				FN	7/19/2002	2		EB	0	
380	LNSC	300	340				FN	7/19/2002	2		WB	0	
166	LNSC	310	360				FN	7/19/2002	2		EB	0	
164	LNSC	315	345				FN	7/19/2002	2		EB	0	
459	LNSC	324					FN	7/19/2002	3		EB	0	
158	LNSC	334	325				FN	7/19/2002	2		EB	0	
159	LNSC	335	435				FN	7/19/2002	2		EB	0	
167	LNSC	357	645				FN	7/19/2002	2		EB	0	
456	LNSC	360					FN	7/19/2002	3		EB	0	
406	LNSC	365	535				FN	7/19/2002	2		WB	0	
461	LNSC	365					FN	7/19/2002	3		EB	0	
160	LNSC	370	655				FN	7/19/2002	2		EB	0	
462	LNSC	370					FN	7/19/2002	3		EB	0	
554	LNSC	346	525				GN	7/20/2002	PULLED	1	EAST	0	EAST OF FYKE NET
764	LNSC	290	315				FN	7/21/2002	4		WB	0	
747	LNSC	292	290				FN	7/21/2002	4		WB	0	
661	LNSC	315	390				FN	7/21/2002	4		WB	0	
825	LNSC	334	435				FN	7/21/2002	5		EB	0	
678	LNSC	335	460				FN	7/21/2002	4		WB	0	
765	LNSC	356	535				FN	7/21/2002	4		WB	0	
742	LNSC	360	695				FN	7/21/2002	4		WB	0	
1136	LNSC	250	185				FN	7/22/2002	6		WB	0	
1118	LNSC	305	330				FN	7/22/2002	6		WB	0	
1124	LNSC	323	410				FN	7/22/2002	6		WB	0	
1120	LNSC	340	555				FN	7/22/2002	6		WB	0	
889	LNSC	350	415				FN	7/22/2002	6		EB	0	
888	LNSC	359	635				FN	7/22/2002	6		EB	0	
1122	LNSC	368	650				FN	7/22/2002	6		WB	0	
1119	LNSC	369	620				FN	7/22/2002	6		WB	0	
1123	LNSC	372	675				FN	7/22/2002	6		WB	0	
1121	LNSC	375	675				FN	7/22/2002	6		WB	0	
926	LNSC	378	665				FN	7/22/2002	6		EB	0	
1375	LNSC	180	76				FN	7/24/2002	8		WB	0	
1362	LNSC	205	248				FN	7/24/2002	8		EB	0	
1372	LNSC	215					FN	7/24/2002	8		EB	0	
1415	LNSC	220					FN	7/24/2002	8		WB	0	
1359	LNSC	242					FN	7/24/2002	8		EB	0	
1371	LNSC	260	300				FN	7/24/2002	8		EB	0	
1414	LNSC	300					FN	7/24/2002	8		WB	0	
1364	LNSC	302	525				FN	7/24/2002	8		EB	0	
1361	LNSC	310	358				FN	7/24/2002	8		EB	0	
1367	LNSC	310	522				FN	7/24/2002	8		EB	0	
1360	LNSC	315	396				FN	7/24/2002	8		EB	0	
1363	LNSC	320	522				FN	7/24/2002	8		EB	0	
1368	LNSC	320	486				FN	7/24/2002	8		EB	0	
1370	LNSC	328	300				FN	7/24/2002	8		EB	0	
1366	LNSC	345	702				FN	7/24/2002	8		EB	0	
1365	LNSC	360	628				FN	7/24/2002	8		EB	0	
2054	LNSC						FN	7/24/2002	8		EB	0	RND
2055	LNSC						FN	7/24/2002	8		EB	0	RND
2056	LNSC						FN	7/24/2002	8		EB	0	RND
2057	LNSC						FN	7/24/2002	8		EB	0	RND
2058	LNSC						FN	7/24/2002	8		EB	0	RND
2059	LNSC						FN	7/24/2002	8		EB	0	RND
2060	LNSC						FN	7/24/2002	8		EB	0	RND
2061	LNSC						FN	7/24/2002	8		EB	0	RND
2062	LNSC						FN	7/24/2002	8		EB	0	RND
2063	LNSC						FN	7/24/2002	8		EB	0	RND
2064	LNSC						FN	7/24/2002	8		EB	0	RND
2065	LNSC						FN	7/24/2002	8		EB	0	RND
2066	LNSC						FN	7/24/2002	8		EB	0	RND
2067	LNSC						FN	7/24/2002	8		EB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2068	LNSC						FN	7/24/2002	8		EB	0	RND
2069	LNSC						FN	7/24/2002	8		EB	0	RND
2070	LNSC						FN	7/24/2002	8		EB	0	RND
2071	LNSC						FN	7/24/2002	8		EB	0	RND
2072	LNSC						FN	7/24/2002	8		EB	0	RND
2073	LNSC						FN	7/24/2002	8		EB	0	RND
2074	LNSC						FN	7/24/2002	8		EB	0	RND
2075	LNSC						FN	7/24/2002	8		EB	0	RND
2076	LNSC						FN	7/24/2002	8		EB	0	RND
2077	LNSC						FN	7/24/2002	8		EB	0	RND
2078	LNSC						FN	7/24/2002	8		EB	0	RND
2079	LNSC						FN	7/24/2002	8		EB	0	RND
2080	LNSC						FN	7/24/2002	8		EB	0	RND
2081	LNSC						FN	7/24/2002	8		EB	0	RND
2082	LNSC						FN	7/24/2002	8		EB	0	RND
2083	LNSC						FN	7/24/2002	8		EB	0	RND
2084	LNSC						FN	7/24/2002	8		EB	0	RND
2085	LNSC						FN	7/24/2002	8		EB	0	RND
2086	LNSC						FN	7/24/2002	8		EB	0	RND
2087	LNSC						FN	7/24/2002	8		EB	0	RND
2088	LNSC						FN	7/24/2002	8		EB	0	RND
2089	LNSC						FN	7/24/2002	8		EB	0	RND
2090	LNSC						FN	7/24/2002	8		EB	0	RND
2091	LNSC						FN	7/24/2002	8		EB	0	RND
2092	LNSC						FN	7/24/2002	8		EB	0	RND
2093	LNSC						FN	7/24/2002	8		EB	0	RND
2094	LNSC						FN	7/24/2002	8		EB	0	RND
2095	LNSC						FN	7/24/2002	8		EB	0	RND
2096	LNSC						FN	7/24/2002	8		EB	0	RND
2097	LNSC						FN	7/24/2002	8		EB	0	RND
2098	LNSC						FN	7/24/2002	8		EB	0	RND
2099	LNSC						FN	7/24/2002	8		EB	0	RND
2100	LNSC						FN	7/24/2002	8		EB	0	RND
2101	LNSC						FN	7/24/2002	8		EB	0	RND
2102	LNSC						FN	7/24/2002	8		EB	0	RND
2103	LNSC						FN	7/24/2002	8		EB	0	RND
2104	LNSC						FN	7/24/2002	8		EB	0	RND
2105	LNSC						FN	7/24/2002	8		EB	0	RND
2106	LNSC						FN	7/24/2002	8		EB	0	RND
2107	LNSC						FN	7/24/2002	8		EB	0	RND
2108	LNSC						FN	7/24/2002	8		EB	0	RND
2109	LNSC						FN	7/24/2002	8		EB	0	RND
2110	LNSC						FN	7/24/2002	8		EB	0	RND
2111	LNSC						FN	7/24/2002	8		EB	0	RND
2112	LNSC						FN	7/24/2002	8		EB	0	RND
2113	LNSC						FN	7/24/2002	8		EB	0	RND
2114	LNSC						FN	7/24/2002	8		EB	0	RND
2115	LNSC						FN	7/24/2002	8		EB	0	RND
2116	LNSC						FN	7/24/2002	8		EB	0	RND
2117	LNSC						FN	7/24/2002	8		EB	0	RND
2118	LNSC						FN	7/24/2002	8		EB	0	RND
2119	LNSC						FN	7/24/2002	8		EB	0	RND
2120	LNSC						FN	7/24/2002	8		EB	0	RND
2121	LNSC						FN	7/24/2002	8		EB	0	RND
2122	LNSC						FN	7/24/2002	8		EB	0	RND
2123	LNSC						FN	7/24/2002	8		EB	0	RND
2124	LNSC						FN	7/24/2002	8		EB	0	RND
2125	LNSC						FN	7/24/2002	8		EB	0	RND
2126	LNSC						FN	7/24/2002	8		EB	0	RND
2127	LNSC						FN	7/24/2002	8		EB	0	RND
2128	LNSC						FN	7/24/2002	8		EB	0	RND
2129	LNSC						FN	7/24/2002	8		EB	0	RND
2130	LNSC						FN	7/24/2002	8		EB	0	RND
2131	LNSC						FN	7/24/2002	8		EB	0	RND
2132	LNSC						FN	7/24/2002	8		EB	0	RND
2133	LNSC						FN	7/24/2002	8		EB	0	RND
2134	LNSC						FN	7/24/2002	8		EB	0	RND
2135	LNSC						FN	7/24/2002	8		EB	0	RND
2136	LNSC						FN	7/24/2002	8		EB	0	RND
2137	LNSC						FN	7/24/2002	8		EB	0	RND
2138	LNSC						FN	7/24/2002	8		EB	0	RND
2139	LNSC						FN	7/24/2002	8		EB	0	RND
2140	LNSC						FN	7/24/2002	8		EB	0	RND
2141	LNSC						FN	7/24/2002	8		EB	0	RND
2142	LNSC						FN	7/24/2002	8		EB	0	RND
2143	LNSC						FN	7/24/2002	8		EB	0	RND

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
2144	LNSC						FN	7/24/2002	8		EB	0	RND
2145	LNSC						FN	7/24/2002	8		EB	0	RND
2146	LNSC						FN	7/24/2002	8		EB	0	RND
2147	LNSC						FN	7/24/2002	8		EB	0	RND
2148	LNSC						FN	7/24/2002	8		EB	0	RND
2149	LNSC						FN	7/24/2002	8		EB	0	RND
2150	LNSC						FN	7/24/2002	8		EB	0	RND
2151	LNSC						FN	7/24/2002	8		EB	0	RND
2152	LNSC						FN	7/24/2002	8		EB	0	RND
2153	LNSC						FN	7/24/2002	8		EB	0	RND
2154	LNSC						FN	7/24/2002	8		EB	0	RND
2155	LNSC						FN	7/24/2002	8		EB	0	RND
2156	LNSC						FN	7/24/2002	8		EB	0	RND
2157	LNSC						FN	7/24/2002	8		EB	0	RND
2158	LNSC						FN	7/24/2002	8		EB	0	RND
2159	LNSC						FN	7/24/2002	8		EB	0	RND
2160	LNSC						FN	7/24/2002	8		EB	0	RND
2161	LNSC						FN	7/24/2002	8		EB	0	RND
2162	LNSC						FN	7/24/2002	8		EB	0	RND
2163	LNSC						FN	7/24/2002	8		EB	0	RND
2164	LNSC						FN	7/24/2002	8		EB	0	RND
2165	LNSC						FN	7/24/2002	8		EB	0	RND
2166	LNSC						FN	7/24/2002	8		EB	0	RND
2167	LNSC						FN	7/24/2002	8		EB	0	RND
2168	LNSC						FN	7/24/2002	8		EB	0	RND
2169	LNSC						FN	7/24/2002	8		EB	0	RND
2170	LNSC						FN	7/24/2002	8		EB	0	RND
2171	LNSC						FN	7/24/2002	8		EB	0	RND
2172	LNSC						FN	7/24/2002	8		EB	0	RND
2173	LNSC						FN	7/24/2002	8		EB	0	RND
2174	LNSC						FN	7/24/2002	8		EB	0	RND
2175	LNSC						FN	7/24/2002	8		EB	0	RND
2176	LNSC						FN	7/24/2002	8		EB	0	RND
2177	LNSC						FN	7/24/2002	8		EB	0	RND
2178	LNSC						FN	7/24/2002	8		EB	0	RND
2179	LNSC						FN	7/24/2002	8		EB	0	RND
2180	LNSC						FN	7/24/2002	8		EB	0	RND
2181	LNSC						FN	7/24/2002	8		EB	0	RND
2182	LNSC						FN	7/24/2002	8		EB	0	RND
2183	LNSC						FN	7/24/2002	8		EB	0	RND
2184	LNSC						FN	7/24/2002	8		EB	0	RND
2185	LNSC						FN	7/24/2002	8		EB	0	RND
2186	LNSC						FN	7/24/2002	8		EB	0	RND
2187	LNSC						FN	7/24/2002	8		EB	0	RND
2188	LNSC						FN	7/24/2002	8		EB	0	RND
2189	LNSC						FN	7/24/2002	8		EB	0	RND
2190	LNSC						FN	7/24/2002	8		EB	0	RND
2191	LNSC						FN	7/24/2002	8		EB	0	RND
2192	LNSC						FN	7/24/2002	8		EB	0	RND
2193	LNSC						FN	7/24/2002	8		EB	0	RND
2194	LNSC						FN	7/24/2002	8		EB	0	RND
2195	LNSC						FN	7/24/2002	8		EB	0	RND
2196	LNSC						FN	7/24/2002	8		EB	0	RND
2197	LNSC						FN	7/24/2002	8		EB	0	RND
2198	LNSC						FN	7/24/2002	8		EB	0	RND
2199	LNSC						FN	7/24/2002	8		EB	0	RND
2200	LNSC						FN	7/24/2002	8		EB	0	RND
2201	LNSC						FN	7/24/2002	8		EB	0	RND
2202	LNSC						FN	7/24/2002	8		EB	0	RND
2203	LNSC						FN	7/24/2002	8		EB	0	RND
2204	LNSC						FN	7/24/2002	8		EB	0	RND
2205	LNSC						FN	7/24/2002	8		EB	0	RND
2206	LNSC						FN	7/24/2002	8		EB	0	RND
2207	LNSC						FN	7/24/2002	8		EB	0	RND
2208	LNSC						FN	7/24/2002	8		EB	0	RND
2209	LNSC						FN	7/24/2002	8		EB	0	RND
2210	LNSC						FN	7/24/2002	8		EB	0	RND
2211	LNSC						FN	7/24/2002	8		EB	0	RND
2212	LNSC						FN	7/24/2002	8		EB	0	RND
2213	LNSC						FN	7/24/2002	8		EB	0	RND
2214	LNSC						FN	7/24/2002	8		EB	0	RND
2215	LNSC						FN	7/24/2002	8		EB	0	RND
2216	LNSC						FN	7/24/2002	8		EB	0	RND
2217	LNSC						FN	7/24/2002	8		EB	0	RND
2218	LNSC						FN	7/24/2002	8		EB	0	RND
1626	LNSC	172					FN	7/25/2002	9		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1624	LNSC	182					FN	7/25/2002	9		EB	0	
1745	LNSC	200					FN	7/25/2002	9		WB	0	
1721	LNSC	240					FN	7/25/2002	9		WB	0	
1717	LNSC	248					FN	7/25/2002	9		WB	0	
1568	LNSC	258					FN	7/25/2002	9		EB	0	
1833	LNSC	262					FN	7/25/2002	10		EB	0	
1718	LNSC	268					FN	7/25/2002	9		WB	0	
1719	LNSC	272					FN	7/25/2002	9		WB	0	
1710	LNSC	275					FN	7/25/2002	9		WB	0	
1748	LNSC	276					FN	7/25/2002	9		WB	0	
1829	LNSC	276					FN	7/25/2002	10		EB	0	
1730	LNSC	282					FN	7/25/2002	9		WB	0	
1749	LNSC	282					FN	7/25/2002	9		WB	0	
1741	LNSC	285					FN	7/25/2002	9		WB	0	
1822	LNSC	286					FN	7/25/2002	10		EB	0	
1629	LNSC	287					FN	7/25/2002	9		EB	0	
1714	LNSC	287					FN	7/25/2002	9		WB	0	
1754	LNSC	287					FN	7/25/2002	9		WB	0	
1831	LNSC	287					FN	7/25/2002	10		EB	0	
1711	LNSC	290					FN	7/25/2002	9		WB	0	
1712	LNSC	292					FN	7/25/2002	9		WB	0	
1835	LNSC	294					FN	7/25/2002	10		EB	0	
1728	LNSC	295					FN	7/25/2002	9		WB	0	
1737	LNSC	295					FN	7/25/2002	9		WB	0	
1747	LNSC	295					FN	7/25/2002	9		WB	0	
1713	LNSC	296					FN	7/25/2002	9		WB	0	
1834	LNSC	297					FN	7/25/2002	10		EB	0	
1837	LNSC	297					FN	7/25/2002	10		EB	0	
1722	LNSC	298					FN	7/25/2002	9		WB	0	
1746	LNSC	298					FN	7/25/2002	9		WB	0	
1751	LNSC	298					FN	7/25/2002	9		WB	0	
1743	LNSC	299					FN	7/25/2002	9		WB	0	
1752	LNSC	299					FN	7/25/2002	9		WB	0	
1573	LNSC	302					FN	7/25/2002	9		EB	0	
1725	LNSC	304					FN	7/25/2002	9		WB	0	
1735	LNSC	304					FN	7/25/2002	9		WB	0	
1825	LNSC	304					FN	7/25/2002	10		EB	0	
1740	LNSC	307					FN	7/25/2002	9		WB	0	
1727	LNSC	308					FN	7/25/2002	9		WB	0	
1744	LNSC	308					FN	7/25/2002	9		WB	0	
1820	LNSC	308					FN	7/25/2002	10		EB	0	
1716	LNSC	310					FN	7/25/2002	9		WB	0	
1814	LNSC	310					FN	7/25/2002	10		EB	0	
1869	LNSC	310					FN	7/25/2002	10		WB	0	
1739	LNSC	312					FN	7/25/2002	9		WB	0	
1742	LNSC	312					FN	7/25/2002	9		WB	0	
1731	LNSC	313					FN	7/25/2002	9		WB	0	
1570	LNSC	314					FN	7/25/2002	9		EB	0	
1726	LNSC	314					FN	7/25/2002	9		WB	0	
1738	LNSC	314					FN	7/25/2002	9		WB	0	
1817	LNSC	314					FN	7/25/2002	10		EB	0	
1734	LNSC	315					FN	7/25/2002	9		WB	0	
1828	LNSC	315					FN	7/25/2002	10		EB	0	
1571	LNSC	316					FN	7/25/2002	9		EB	0	
1827	LNSC	316					FN	7/25/2002	10		EB	0	
1836	LNSC	321					FN	7/25/2002	10		EB	0	
1625	LNSC	322					FN	7/25/2002	9		EB	0	
1572	LNSC	324					FN	7/25/2002	9		EB	0	
1720	LNSC	325					FN	7/25/2002	9		WB	0	
1724	LNSC	325					FN	7/25/2002	9		WB	0	
1816	LNSC	325					FN	7/25/2002	10		EB	0	
1750	LNSC	326					FN	7/25/2002	9		WB	0	
1736	LNSC	327					FN	7/25/2002	9		WB	0	
1753	LNSC	327					FN	7/25/2002	9		WB	0	
1723	LNSC	332					FN	7/25/2002	9		WB	0	
1830	LNSC	335					FN	7/25/2002	10		EB	0	
1628	LNSC	338					FN	7/25/2002	9		EB	0	
1813	LNSC	340					FN	7/25/2002	10		EB	0	
1733	LNSC	342					FN	7/25/2002	9		WB	0	
1821	LNSC	346					FN	7/25/2002	10		EB	0	
1818	LNSC	352					FN	7/25/2002	10		EB	0	
1826	LNSC	352					FN	7/25/2002	10		EB	0	
1715	LNSC	357					FN	7/25/2002	9		WB	0	
1819	LNSC	357					FN	7/25/2002	10		EB	0	
1729	LNSC	358					FN	7/25/2002	9		WB	0	
1709	LNSC	368					FN	7/25/2002	9		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1569	LNSC	378					FN	7/25/2002	9		EB	0	
1815	LNSC	380					FN	7/25/2002	10		EB	0	
1732	LNSC	390					FN	7/25/2002	9		WB	0	
1812	LNSC	400					FN	7/25/2002	10		EB	0	
1957	LNSC	145					FN	7/26/2002	11		EB	0	
1969	LNSC	184					FN	7/26/2002	11		EB	0	
1964	LNSC	208					FN	7/26/2002	11		EB	0	
1965	LNSC	215					FN	7/26/2002	11		EB	0	
2020	LNSC	237					FN	7/26/2002	11		WB	0	
1961	LNSC	238					FN	7/26/2002	11		EB	0	
2019	LNSC	254					FN	7/26/2002	11		WB	0	
1971	LNSC	262					FN	7/26/2002	11		EB	0	
1959	LNSC	263					FN	7/26/2002	11		EB	0	
1970	LNSC	263					FN	7/26/2002	11		EB	0	
2032	LNSC	263					FN	7/26/2002	11		WB	0	
2022	LNSC	280					FN	7/26/2002	11		WB	0	
1960	LNSC	282					FN	7/26/2002	11		EB	0	
1963	LNSC	284					FN	7/26/2002	11		EB	0	
2050	LNSC	289					FN	7/26/2002	11		WB	0	
1962	LNSC	292					FN	7/26/2002	11		EB	0	
2029	LNSC	294					FN	7/26/2002	11		WB	0	
1967	LNSC	295					FN	7/26/2002	11		EB	0	
2023	LNSC	295					FN	7/26/2002	11		WB	0	
2030	LNSC	295					FN	7/26/2002	11		WB	0	
2033	LNSC	295					FN	7/26/2002	11		WB	0	
2031	LNSC	302					FN	7/26/2002	11		WB	0	
2045	LNSC	305					FN	7/26/2002	11		WB	0	
2048	LNSC	305					FN	7/26/2002	11		WB	0	
2017	LNSC	306					FN	7/26/2002	11		WB	0	
2013	LNSC	307					FN	7/26/2002	11		WB	0	
2046	LNSC	308					FN	7/26/2002	11		WB	0	
2014	LNSC	311					FN	7/26/2002	11		WB	0	
1966	LNSC	312					FN	7/26/2002	11		EB	0	
2021	LNSC	312					FN	7/26/2002	11		WB	0	
2042	LNSC	316					FN	7/26/2002	11		WB	0	
2018	LNSC	317					FN	7/26/2002	11		WB	0	
2026	LNSC	320					FN	7/26/2002	11		WB	0	
1998	LNSC	323					FN	7/26/2002	11		EB	0	
2025	LNSC	325					FN	7/26/2002	11		WB	0	
2011	LNSC	334					FN	7/26/2002	11		WB	0	
2043	LNSC	345					FN	7/26/2002	11		WB	0	
2047	LNSC	352					FN	7/26/2002	11		WB	0	
1958	LNSC	353					FN	7/26/2002	11		EB	0	
2041	LNSC	354					FN	7/26/2002	11		WB	0	
2039	LNSC	359					FN	7/26/2002	11		WB	0	
1968	LNSC	362					FN	7/26/2002	11		EB	0	
2024	LNSC	365					FN	7/26/2002	11		WB	0	
2015	LNSC	372					FN	7/26/2002	11		WB	0	
2040	LNSC	378					FN	7/26/2002	11		WB	0	
2044	LNSC	380					FN	7/26/2002	11		WB	0	
3197	LNSC	330	372				FN	8/30/2002	13		EB	0	
3286	LNSC	337	452				FN	8/30/2002	13		WB	0	
3203	LNSC	340	482				FN	8/30/2002	13		EB	0	
3266	LNSC	378	662				FN	8/30/2002	13		WB	0	
955	LSCS	205					FN	7/22/2002	6		EB	1	
956	LSCS	210					FN	7/22/2002	6		EB	1	
954	LSCS	296					FN	7/22/2002	6		EB	1	
3489	LSCS	310	304				FN	8/31/2002	15		WB	0	
487	NRPK	555	1300		B	669	FN	7/19/2002	3		WB	0	
782	PCHR	174	45				FN	7/21/2002	5		EB	0	
1333	PCHR	186	48				GN	7/24/2002	RUN #1	3	WEST	0	WEST OF FYKE NET
1332	PCHR	202	66				GN	7/24/2002	RUN #1	3	WEST	0	WEST OF FYKE NET
1337	PCHR	224	144				GN	7/24/2002	RUN #3	3	WEST	0	WEST OF FYKE NET
1338	PCHR	308	240				GN	7/24/2002	RUN #3	3	WEST	0	WEST OF FYKE NET
1775	PCHR	190					GN	7/25/2002	RUN #1	4	WEST	0	WEST OF CAMPGOUND
3552	PCHR	128					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3544	PCHR	205					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3554	PCHR	207					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3567	PCHR	372	518				GN	8/31/2002	PULLED	6	WEST	0	WEST OF FYKE NET
4051	PCHR	315	360				GN	9/2/2002	PULLED	8	NORTH	0	NORTH OF FYKE NET
4052	PCHR	380	570	14			GN	9/2/2002	PULLED	8	NORTH	1	ST=20 Shrimp/ Brown flesh
4049	PCHR	395	612				GN	9/2/2002	PULLED	8	NORTH	0	NORTH OF FYKE NET
102	RNSM	105	20				FN	7/18/2002	1		WB	0	
133	RNSM	154	35				FN	7/18/2002	1		WB	0	
56	RNSM	182	64				FN	7/18/2002	1		EB	0	
113	RNSM	182	45				FN	7/18/2002	1		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
60	RNSM	183	60				FN	7/18/2002	1		EB	0	
516	RNSM	135					FN	7/19/2002	3		WB	0	
440	RNSM	315					FN	7/19/2002	2		WB	1	
831	RNSM	162	35				FN	7/21/2002	5		EB	0	
654	RNSM	172	65				FN	7/21/2002	4		EB	1	
638	RNSM	180	105				FN	7/21/2002	4		EB	1	
656	RNSM	180	65				FN	7/21/2002	4		EB	1	
679	RNSM	180	35				FN	7/21/2002	4		WB	0	
854	RNSM	228	85				FN	7/21/2002	5		WB	0	
1176	RNSM	70					FN	7/22/2002	6		WB	1	
1256	RNSM	90					FN	7/22/2002	7		WB	0	
1033	RNSM	116	25				FN	7/22/2002	6		EB	1	
1025	RNSM	130	30				FN	7/22/2002	6		EB	1	
1029	RNSM	131	20				FN	7/22/2002	6		EB	1	
1005	RNSM	155	15				FN	7/22/2002	6		EB	1	
1003	RNSM	165	20				FN	7/22/2002	6		EB	1	
1208	RNSM	190	75				FN	7/22/2002	7		EB	0	
1271	RNSM	62					BS	7/23/2002	1	1	WEST	0	WEST OF SEWAGE OUTFLOW
1386	RNSM	201	60				FN	7/24/2002	8		WB	0	
1883	RNSM	83					FN	7/25/2002	10		WB	0	
1909	RNSM	85					FN	7/25/2002	10		WB	0	
1566	RNSM	180					FN	7/25/2002	9		EB	0	
1574	RNSM	187					FN	7/25/2002	9		EB	0	
1798	RNSM	212					FN	7/25/2002	10		EB	0	
1621	RNSM	214					FN	7/25/2002	9		EB	0	
1565	RNSM	245					FN	7/25/2002	9		EB	0	
2010	RNSM	125					FN	7/26/2002	11		WB	0	
1955	RNSM	166					FN	7/26/2002	11		EB	0	
1949	RNSM	170					FN	7/26/2002	11		EB	0	
1954	RNSM	175					FN	7/26/2002	11		EB	0	
1950	RNSM	190					FN	7/26/2002	11		EB	0	
1951	RNSM	193					FN	7/26/2002	11		EB	0	
3115	RNSM	230					FN	8/29/2002	12		WB	0	
3183	RNSM	183	48				FN	8/30/2002	13		WB	0	
3270	RNSM	221	92				FN	8/30/2002	13		WB	0	
3263	RNSM	224	104				FN	8/30/2002	13		WB	0	
3177	RNSM	230	102				FN	8/30/2002	13		WB	0	
3193	RNSM	233	270				FN	8/30/2002	13		EB	0	
3269	RNSM	240	116				FN	8/30/2002	13		WB	0	
3195	RNSM	263	110				FN	8/30/2002	13		EB	0	
3210	RNSM	292	172				FN	8/30/2002	13		EB	0	
3188	RNSM	325	272				FN	8/30/2002	13		EB	0	
3262	RNSM	325	234				FN	8/30/2002	13		WB	0	
3413	RNSM	152	46				FN	8/31/2002	15		EB	0	
3524	RNSM	177					FN	8/31/2002	15		WB	0	
3461	RNSM	247	92				FN	8/31/2002	15		EB	0	
3508	RNSM	257					FN	8/31/2002	15		WB	0	
3427	RNSM	274	152				FN	8/31/2002	15		EB	0	
3505	RNSM	279					FN	8/31/2002	15		WB	0	
3426	RNSM	282	200				FN	8/31/2002	15		EB	0	
3516	RNSM	283					FN	8/31/2002	15		WB	0	
3493	RNSM	290	188				FN	8/31/2002	15		WB	0	
3518	RNSM	302					FN	8/31/2002	15		WB	0	
3409	RNSM	305	238				FN	8/31/2002	15		EB	0	
3520	RNSM	327					FN	8/31/2002	15		WB	0	
3517	RNSM	337					FN	8/31/2002	15		WB	0	
3536	RNSM	337					FN	8/31/2002	15		WB	0	
3522	RNSM	355					FN	8/31/2002	15		WB	0	
3670	RNSM	145					FN	9/1/2002	16		WB	0	
3838	RNSM	145					FN	9/1/2002	17		WB	0	
3662	RNSM	149					FN	9/1/2002	16		WB	0	
3684	RNSM	154					FN	9/1/2002	16		WB	0	
3642	RNSM	240					FN	9/1/2002	16		WB	0	
3680	RNSM	245					FN	9/1/2002	16		WB	0	
3660	RNSM	254					FN	9/1/2002	16		WB	0	
3693	RNSM	290		14			FN	9/1/2002	16		WB	1	ST=20 Fish Remains
3672	RNSM	295					FN	9/1/2002	16		WB	0	
3687	RNSM	310					FN	9/1/2002	16		WB	0	
3635	RNSM	322					FN	9/1/2002	16		WB	0	
3644	RNSM	328					FN	9/1/2002	16		WB	0	
3645	RNSM	329		14			FN	9/1/2002	16		WB	1	ST=0 Fish Remains
3611	RNSM	341					FN	9/1/2002	16		EB	0	
3638	RNSM	346		14			FN	9/1/2002	16		WB	1	ST=15 Fish Remains
3973	RNSM	223					FN	9/2/2002	18		EB	0	
3935	RNSM	265					FN	9/2/2002	18		EB	0	
4106	RNSM	339	340			977	FN	9/3/2002	19		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
50	RNWH	107	8				FN	7/18/2002	1		EB	0	
44	RNWH	115	14				FN	7/18/2002	1		EB	1	
108	RNWH	117	25				FN	7/18/2002	1		WB	0	
125	RNWH	127	20				FN	7/18/2002	1		WB	1	
3	RNWH	128	15				FN	7/18/2002	1		EB	0	
127	RNWH	145	25				FN	7/18/2002	1		WB	0	
67	RNWH	147	24				FN	7/18/2002	1		EB	0	
129	RNWH	150	25				FN	7/18/2002	1		WB	0	
61	RNWH	160	30				FN	7/18/2002	1		EB	1	
59	RNWH	162	24				FN	7/18/2002	1		EB	0	
126	RNWH	164	45				FN	7/18/2002	1		WB	1	
119	RNWH	172	55				FN	7/18/2002	1		WB	0	
58	RNWH	175	32				FN	7/18/2002	1		EB	0	
117	RNWH	177	85				FN	7/18/2002	1		WB	1	
55	RNWH	183	52				FN	7/18/2002	1		EB	0	
120	RNWH	186	55				FN	7/18/2002	1		WB	0	
114	RNWH	195	75				FN	7/18/2002	1		WB	1	
115	RNWH	215	75				FN	7/18/2002	1		WB	1	
106	RNWH	225	90				FN	7/18/2002	1		WB	0	
6	RNWH	265	135				FN	7/18/2002	1		EB	0	
463	RNWH	140					FN	7/19/2002	3		EB	0	
471	RNWH	164					FN	7/19/2002	3		EB	0	
375	RNWH	195	65				FN	7/19/2002	2		WB	0	
458	RNWH	270					FN	7/19/2002	3		EB	0	
455	RNWH	340					FN	7/19/2002	3		EB	0	
540	RNWH	215	90				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
541	RNWH	220	105				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
658	RNWH	120	20				FN	7/21/2002	4		EB	1	
649	RNWH	143	35				FN	7/21/2002	4		EB	1	
642	RNWH	145	35				FN	7/21/2002	4		EB	1	
641	RNWH	150	35				FN	7/21/2002	4		EB	1	
790	RNWH	150	35				FN	7/21/2002	5		EB	0	
799	RNWH	150	30				FN	7/21/2002	5		EB	0	
635	RNWH	160	105				FN	7/21/2002	4		EB	1	
791	RNWH	160	50				FN	7/21/2002	5		EB	0	
580	RNWH	165	45				FN	7/21/2002	4		EB	0	
829	RNWH	165	45				FN	7/21/2002	5		EB	0	
659	RNWH	170	45				FN	7/21/2002	4		EB	1	
798	RNWH	173	45				FN	7/21/2002	5		EB	0	
838	RNWH	173	65				FN	7/21/2002	5		WB	0	
657	RNWH	174	60				FN	7/21/2002	4		EB	1	
806	RNWH	174	55				FN	7/21/2002	5		EB	0	
812	RNWH	174	85				FN	7/21/2002	5		EB	0	
588	RNWH	175	70				FN	7/21/2002	4		EB	1	
634	RNWH	175	170				FN	7/21/2002	4		EB	1	
834	RNWH	175	55				FN	7/21/2002	5		EB	0	
450	RNWH	180	70				FN	7/21/2002	5		WB	0	
585	RNWH	180	55				FN	7/21/2002	4		EB	1	
655	RNWH	180	70				FN	7/21/2002	4		EB	1	
803	RNWH	180	55				FN	7/21/2002	5		EB	0	
653	RNWH	185	60				FN	7/21/2002	4		EB	1	
814	RNWH	190	65				FN	7/21/2002	5		EB	0	
778	RNWH	192	85				FN	7/21/2002	5		EB	0	
800	RNWH	192	65				FN	7/21/2002	5		EB	0	
586	RNWH	195	55				FN	7/21/2002	4		EB	1	
652	RNWH	195	80				FN	7/21/2002	4		EB	1	
637	RNWH	197	140				FN	7/21/2002	4		EB	1	
813	RNWH	197	80				FN	7/21/2002	5		EB	0	
589	RNWH	200	45				FN	7/21/2002	4		EB	1	
804	RNWH	200	70				FN	7/21/2002	5		EB	0	
802	RNWH	204	85				FN	7/21/2002	5		EB	0	
567	RNWH	210	75				FN	7/21/2002	4		EB	0	
584	RNWH	210	95				FN	7/21/2002	4		EB	1	
660	RNWH	210	85				FN	7/21/2002	4		EB	1	
566	RNWH	215	95				FN	7/21/2002	4		EB	0	
833	RNWH	220	90				FN	7/21/2002	5		EB	0	
677	RNWH	222	80				FN	7/21/2002	4		WB	0	
796	RNWH	225	105				FN	7/21/2002	5		EB	0	
583	RNWH	230	110				FN	7/21/2002	4		EB	1	
815	RNWH	232	105				FN	7/21/2002	5		EB	0	
841	RNWH	235	115				FN	7/21/2002	5		WB	0	
666	RNWH	240	120				FN	7/21/2002	4		WB	0	
788	RNWH	250	135				FN	7/21/2002	5		EB	0	
633	RNWH	280	255				FN	7/21/2002	4		EB	1	
1027	RNWH	120	20				FN	7/22/2002	6		EB	1	
1211	RNWH	130	45				FN	7/22/2002	7		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1196	RNWH	132	45				FN	7/22/2002	7		EB	1	
1010	RNWH	146	25				FN	7/22/2002	6		EB	1	
1013	RNWH	149	30				FN	7/22/2002	6		EB	1	
1243	RNWH	157					FN	7/22/2002	7		WB	0	
1100	RNWH	162					FN	7/22/2002	6		WB	0	
980	RNWH	163	45				FN	7/22/2002	6		EB	1	
990	RNWH	170	25				FN	7/22/2002	6		EB	1	
1156	RNWH	170					FN	7/22/2002	6		WB	1	
996	RNWH	171	25				FN	7/22/2002	6		EB	1	
995	RNWH	173	30				FN	7/22/2002	6		EB	1	
989	RNWH	174	30				FN	7/22/2002	6		EB	1	
992	RNWH	174	35				FN	7/22/2002	6		EB	1	
1182	RNWH	175	60				FN	7/22/2002	7		EB	0	
1194	RNWH	175	45				FN	7/22/2002	7		EB	0	
1215	RNWH	175	75				FN	7/22/2002	7		EB	0	
1244	RNWH	175					FN	7/22/2002	7		WB	0	
965	RNWH	176	45				FN	7/22/2002	6		EB	1	
1190	RNWH	176	55				FN	7/22/2002	7		EB	0	
1184	RNWH	179	65				FN	7/22/2002	7		EB	0	
962	RNWH	180	25				FN	7/22/2002	6		EB	1	
1255	RNWH	180					FN	7/22/2002	7		WB	0	
1250	RNWH	184	105				FN	7/22/2002	7		WB	0	
1209	RNWH	185	80				FN	7/22/2002	7		EB	0	
868	RNWH	186	60				FN	7/22/2002	6		EB	0	
991	RNWH	186	35				FN	7/22/2002	6		EB	1	
1205	RNWH	187	25				FN	7/22/2002	7		EB	0	
958	RNWH	190	40				FN	7/22/2002	6		EB	1	
1159	RNWH	190	80				FN	7/22/2002	6		WB	1	
1155	RNWH	205	105				FN	7/22/2002	6		WB	1	
1133	RNWH	207	70				FN	7/22/2002	6		WB	0	
993	RNWH	212	80				FN	7/22/2002	6		EB	1	
1097	RNWH	212					FN	7/22/2002	6		WB	0	
866	RNWH	215	80				FN	7/22/2002	6		EB	0	
1180	RNWH	215	85				FN	7/22/2002	7		EB	0	
1158	RNWH	219	95				FN	7/22/2002	6		WB	1	
951	RNWH	228	105				FN	7/22/2002	6		EB	1	
1206	RNWH	236	105				FN	7/22/2002	7		EB	0	
1132	RNWH	267	115				FN	7/22/2002	6		WB	0	
970	RNWH	270	155	12			FN	7/22/2002	6		EB	1	ST=0
1179	RNWH	273	145				FN	7/22/2002	7		EB	0	
973	RNWH	275	180	12			FN	7/22/2002	6		EB	1	ST=0
1117	RNWH	299	180				FN	7/22/2002	6		WB	0	
949	RNWH	335	230	2			FN	7/22/2002	6		EB	1	
1326	RNWH	125	5				BS	7/24/2002	H1	5	WEST	0	ROCK SHORE
1385	RNWH	150					FN	7/24/2002	8		WB	0	
1378	RNWH	170	22				FN	7/24/2002	8		WB	0	
1325	RNWH	173	40				BS	7/24/2002	H1	5	WEST	0	ROCK SHORE
1381	RNWH	175	38				FN	7/24/2002	8		WB	0	
1353	RNWH	180					FN	7/24/2002	8		EB	1	
1324	RNWH	187	38				BS	7/24/2002	H1	5	WEST	0	ROCK SHORE
1349	RNWH	203					FN	7/24/2002	8		EB	1	
1394	RNWH	217					FN	7/24/2002	8		WB	0	
1380	RNWH	245	102				FN	7/24/2002	8		WB	0	SKINNY
1398	RNWH	260					FN	7/24/2002	8		WB	0	
1868	RNWH	242					FN	7/25/2002	10		WB	0	
1708	RNWH	252					FN	7/25/2002	9		WB	0	
1943	RNWH	102					FN	7/26/2002	11		EB	0	
1973	RNWH	165					FN	7/26/2002	11		EB	0	
1952	RNWH	171					FN	7/26/2002	11		EB	0	
1944	RNWH	173					FN	7/26/2002	11		EB	0	
1972	RNWH	202					FN	7/26/2002	11		EB	0	
2016	RNWH	240					FN	7/26/2002	11		WB	0	
2037	RNWH	285					FN	7/26/2002	11		WB	0	
1937	RNWH						FN	7/26/2002	11		EB	0	
3108	RNWH	202					FN	8/29/2002	12		WB	0	
3267	RNWH	182	46				FN	8/30/2002	13		WB	0	
3247	RNWH	185	66				FN	8/30/2002	13		WB	0	
3366	RNWH	187					FN	8/30/2002	14		WB	0	
3265	RNWH	283	212				FN	8/30/2002	13		WB	0	
3180	RNWH	295	238				FN	8/30/2002	13		WB	0	
3349	RNWH	307	360			528	FN	8/30/2002	14		EB	0	
3542	RNWH	215					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3500	RNWH	252					FN	8/31/2002	15		WB	0	
3671	RNWH	100					FN	9/1/2002	16		WB	0	
3763	RNWH	167	28				FN	9/1/2002	17		EB	0	
3656	RNWH	189					FN	9/1/2002	16		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3759	RNWH	199	54				FN	9/1/2002	17		EB	0	
3962	RNWH	218					FN	9/2/2002	18		EB	0	
3981	RNWH	228					FN	9/2/2002	18		EB	0	
3948	RNWH	230					FN	9/2/2002	18		EB	0	
3872	RNWH	263					FN	9/2/2002	18		WB	0	
4067	RNWH	230	82				FN	9/3/2002	19		WB	0	
103	SFCD	140	30				FN	7/18/2002	1		WB	0	
63	SFCD	142	34				FN	7/18/2002	1		EB	0	
137	SFCD	158	35				FN	7/18/2002	1		WB	0	
93	SFCD	337	265				FN	7/18/2002	1		WB	0	
94	SFCD	344	365				FN	7/18/2002	1		WB	0	
312	SFCD	205	115				FN	7/19/2002	2		EB	1	
327	SFCD	210	310				FN	7/19/2002	2		WB	0	
372	SFCD	233					FN	7/19/2002	2		WB	0	
311	SFCD	235	110				FN	7/19/2002	2		EB	1	
356	SFCD	235					FN	7/19/2002	2		WB	0	
454	SFCD	235					FN	7/19/2002	3		EB	1	
359	SFCD	240					FN	7/19/2002	2		WB	0	
451	SFCD	240					FN	7/19/2002	3		EB	0	
326	SFCD	245	245				FN	7/19/2002	2		WB	0	
374	SFCD	245					FN	7/19/2002	2		WB	0	
319	SFCD	250	250				FN	7/19/2002	2		WB	0	
336	SFCD	250	130				FN	7/19/2002	2		WB	0	
505	SFCD	250					FN	7/19/2002	3		WB	0	
509	SFCD	250					FN	7/19/2002	3		WB	0	
489	SFCD	256					FN	7/19/2002	3		WB	0	
330	SFCD	260	260				FN	7/19/2002	2		WB	0	
362	SFCD	260					FN	7/19/2002	2		WB	0	
464	SFCD	260					FN	7/19/2002	3		EB	0	
494	SFCD	262					FN	7/19/2002	3		WB	0	
499	SFCD	262					FN	7/19/2002	3		WB	0	
370	SFCD	265					FN	7/19/2002	2		WB	0	
396	SFCD	265					FN	7/19/2002	2		WB	0	
402	SFCD	265					FN	7/19/2002	2		WB	0	
332	SFCD	270	135				FN	7/19/2002	2		WB	0	
349	SFCD	270					FN	7/19/2002	2		WB	0	
504	SFCD	270					FN	7/19/2002	3		WB	0	
168	SFCD	275	125				FN	7/19/2002	2		EB	1	
358	SFCD	275					FN	7/19/2002	2		WB	0	
373	SFCD	275					FN	7/19/2002	2		WB	0	
384	SFCD	278					FN	7/19/2002	2		WB	0	
322	SFCD	280	280				FN	7/19/2002	2		WB	0	
337	SFCD	280	135				FN	7/19/2002	2		WB	0	
493	SFCD	280					FN	7/19/2002	3		WB	0	
498	SFCD	280					FN	7/19/2002	3		WB	0	
507	SFCD	280					FN	7/19/2002	3		WB	0	
465	SFCD	286					FN	7/19/2002	3		EB	0	
371	SFCD	290					FN	7/19/2002	2		WB	0	
383	SFCD	290					FN	7/19/2002	2		WB	0	
506	SFCD	290					FN	7/19/2002	3		WB	0	
310	SFCD	293	210				FN	7/19/2002	2		EB	1	
320	SFCD	295	295				FN	7/19/2002	2		WB	0	
338	SFCD	295	190				FN	7/19/2002	2		WB	0	
414	SFCD	295					FN	7/19/2002	2		WB	0	
430	SFCD	295					FN	7/19/2002	2		WB	0	
432	SFCD	295					FN	7/19/2002	2		WB	0	
439	SFCD	295					FN	7/19/2002	2		WB	0	
343	SFCD	300	180				FN	7/19/2002	2		WB	0	
382	SFCD	300					FN	7/19/2002	2		WB	0	
394	SFCD	300					FN	7/19/2002	2		WB	0	
429	SFCD	300					FN	7/19/2002	2		WB	1	
508	SFCD	300					FN	7/19/2002	3		WB	0	
412	SFCD	302					FN	7/19/2002	2		WB	0	
307	SFCD	305	260				FN	7/19/2002	2		EB	1	
328	SFCD	305	305				FN	7/19/2002	2		WB	0	
331	SFCD	305	225				FN	7/19/2002	2		WB	0	
387	SFCD	305					FN	7/19/2002	2		WB	0	
413	SFCD	308					FN	7/19/2002	2		WB	0	
305	SFCD	310					FN	7/19/2002	2		EB	1	
321	SFCD	310	310				FN	7/19/2002	2		WB	0	
347	SFCD	310					FN	7/19/2002	2		WB	0	
348	SFCD	310					FN	7/19/2002	2		WB	0	
350	SFCD	310					FN	7/19/2002	2		WB	0	
353	SFCD	310					FN	7/19/2002	2		WB	0	
363	SFCD	310					FN	7/19/2002	2		WB	0	
367	SFCD	310					FN	7/19/2002	2		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kuguktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
369	SFCD	310					FN	7/19/2002	2		WB	0	
389	SFCD	310					FN	7/19/2002	2		WB	0	
409	SFCD	310					FN	7/19/2002	2		WB	0	
410	SFCD	310					FN	7/19/2002	2		WB	0	
433	SFCD	310					FN	7/19/2002	2		WB	0	
491	SFCD	310					FN	7/19/2002	3		WB	0	
502	SFCD	310					FN	7/19/2002	3		WB	0	
152	SFCD	312	200				FN	7/19/2002	2		EB	1	
155	SFCD	312	190				FN	7/19/2002	2		EB	0	
411	SFCD	315					FN	7/19/2002	2		WB	0	
431	SFCD	315					FN	7/19/2002	2		WB	0	
453	SFCD	315					FN	7/19/2002	3		EB	0	
302	SFCD	320	225				FN	7/19/2002	2		EB	1	
323	SFCD	320	320				FN	7/19/2002	2		WB	0	
324	SFCD	320	320				FN	7/19/2002	2		WB	0	
335	SFCD	320	260				FN	7/19/2002	2		WB	0	
352	SFCD	320					FN	7/19/2002	2		WB	0	
357	SFCD	320					FN	7/19/2002	2		WB	0	
364	SFCD	320					FN	7/19/2002	2		WB	0	
366	SFCD	320					FN	7/19/2002	2		WB	0	
390	SFCD	320					FN	7/19/2002	2		WB	0	
391	SFCD	320					FN	7/19/2002	2		WB	0	
415	SFCD	320					FN	7/19/2002	2		WB	0	
434	SFCD	320					FN	7/19/2002	2		WB	0	
467	SFCD	320					FN	7/19/2002	3		EB	0	
405	SFCD	322					FN	7/19/2002	2		WB	0	
422	SFCD	322					FN	7/19/2002	2		WB	0	
309	SFCD	325	295				FN	7/19/2002	2		EB	1	
344	SFCD	325	222				FN	7/19/2002	2		WB	0	
436	SFCD	325					FN	7/19/2002	2		WB	0	
510	SFCD	325					FN	7/19/2002	3		WB	0	
147	SFCD	328	195				FN	7/19/2002	2		EB	1	
149	SFCD	330	310				FN	7/19/2002	2		EB	1	
169	SFCD	330	270				FN	7/19/2002	2		EB	1	
368	SFCD	330					FN	7/19/2002	2		WB	0	
425	SFCD	330					FN	7/19/2002	2		WB	0	
450	SFCD	330					FN	7/19/2002	3		EB	0	
503	SFCD	330					FN	7/19/2002	3		WB	0	
142	SFCD	332	318				FN	7/19/2002	2		EB	1	
333	SFCD	332	245				FN	7/19/2002	2		WB	0	
398	SFCD	332					FN	7/19/2002	2		WB	0	
303	SFCD	333	340				FN	7/19/2002	2		EB	1	
339	SFCD	335	275				FN	7/19/2002	2		WB	0	
365	SFCD	335					FN	7/19/2002	2		WB	0	
500	SFCD	335					FN	7/19/2002	3		WB	0	
423	SFCD	336					FN	7/19/2002	2		WB	0	
163	SFCD	340	280				FN	7/19/2002	2		EB	1	
325	SFCD	340	340				FN	7/19/2002	2		WB	0	
393	SFCD	340					FN	7/19/2002	2		WB	0	
399	SFCD	340					FN	7/19/2002	2		WB	0	
401	SFCD	340					FN	7/19/2002	2		WB	0	
403	SFCD	340					FN	7/19/2002	2		WB	0	
426	SFCD	340					FN	7/19/2002	2		WB	0	
435	SFCD	340					FN	7/19/2002	2		WB	0	
501	SFCD	340					FN	7/19/2002	3		WB	0	
301	SFCD	342	380				FN	7/19/2002	2		EB	1	
144	SFCD	345	370				FN	7/19/2002	2		EB	0	
354	SFCD	345					FN	7/19/2002	2		WB	0	
360	SFCD	345					FN	7/19/2002	2		WB	0	
361	SFCD	345					FN	7/19/2002	2		WB	0	
457	SFCD	345					FN	7/19/2002	3		EB	0	
145	SFCD	350	375				FN	7/19/2002	2		EB	0	
148	SFCD	350	395				FN	7/19/2002	2		EB	1	
385	SFCD	350					FN	7/19/2002	2		WB	0	
404	SFCD	350					FN	7/19/2002	2		WB	0	
146	SFCD	351	335				FN	7/19/2002	2		EB	0	
140	SFCD	352	340				FN	7/19/2002	2		EB	0	
341	SFCD	355	325				FN	7/19/2002	2		WB	0	
342	SFCD	355	245				FN	7/19/2002	2		WB	0	
346	SFCD	360	325				FN	7/19/2002	2		WB	0	
392	SFCD	360					FN	7/19/2002	2		WB	0	
407	SFCD	360					FN	7/19/2002	2		WB	0	
424	SFCD	360					FN	7/19/2002	2		WB	0	
492	SFCD	362					FN	7/19/2002	3		WB	0	
306	SFCD	365	395				FN	7/19/2002	2		EB	1	
355	SFCD	365					FN	7/19/2002	2		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
397	SFCD	365					FN	7/19/2002	2		WB	0	
437	SFCD	370					FN	7/19/2002	2		WB	0	
329	SFCD	375	375				FN	7/19/2002	2		WB	0	
386	SFCD	375					FN	7/19/2002	2		WB	0	
388	SFCD	375					FN	7/19/2002	2		WB	0	
419	SFCD	375					FN	7/19/2002	2		WB	0	
418	SFCD	380					FN	7/19/2002	2		WB	0	
497	SFCD	380					FN	7/19/2002	3		WB	0	
427	SFCD	382					FN	7/19/2002	2		WB	0	
153	SFCD	385	485				FN	7/19/2002	2		EB	1	
351	SFCD	385					FN	7/19/2002	2		WB	0	
395	SFCD	385					FN	7/19/2002	2		WB	0	
490	SFCD	390					FN	7/19/2002	3		WB	0	
141	SFCD	394	500				FN	7/19/2002	2		EB	1	
143	SFCD	395	505				FN	7/19/2002	2		EB	1	
156	SFCD	395	355				FN	7/19/2002	2		EB	1	
308	SFCD	395	535				FN	7/19/2002	2		EB	1	
340	SFCD	395	355				FN	7/19/2002	2		WB	0	
438	SFCD	398					FN	7/19/2002	2		WB	0	
345	SFCD	400	335				FN	7/19/2002	2		WB	0	
400	SFCD	400					FN	7/19/2002	2		WB	0	
421	SFCD	400					FN	7/19/2002	2		WB	0	
420	SFCD	420					FN	7/19/2002	2		WB	0	
428	SFCD	430					FN	7/19/2002	2		WB	0	
334	SFCD	435	480				FN	7/19/2002	2		WB	0	
488	SFCD	435					FN	7/19/2002	3		WB	0	
408	SFCD	447					FN	7/19/2002	2		WB	0	
381	SFCD	465					FN	7/19/2002	2		WB	0	
417	SFCD	470					FN	7/19/2002	2		WB	0	
416	SFCD	480					FN	7/19/2002	2		WB	1	
154	SFCD	482					FN	7/19/2002	2		EB	1	
553	SFCD	185	65				GN	7/20/2002	PULLED	1	EAST	0	EAST OF FYKE NET
542	SFCD	310	255				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
546	SFCD	320	280				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
550	SFCD	329	290				GN	7/20/2002	PULLED	1	EAST	0	EAST OF FYKE NET
544	SFCD	335	310				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
549	SFCD	345	350				GN	7/20/2002	PULLED	1	EAST	0	EAST OF FYKE NET
543	SFCD	355	380				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
545	SFCD	355	330				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
534	SFCD	364	405				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
533	SFCD	365	395				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
535	SFCD	375	505				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
532	SFCD	385	445				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
536	SFCD	405	445				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
531	SFCD	415	645				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
529	SFCD	451	820				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
530	SFCD	460	720				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
551	SFCD						GN	7/20/2002	PULLED	1	EAST	0	EAST OF FYKE NET
724	SFCD	115					FN	7/21/2002	4		WB	0	
692	SFCD	123					FN	7/21/2002	4		WB	0	
693	SFCD	128					FN	7/21/2002	4		WB	0	
689	SFCD	130	20				FN	7/21/2002	4		WB	0	
698	SFCD	130					FN	7/21/2002	4		WB	0	
719	SFCD	130					FN	7/21/2002	4		WB	0	
726	SFCD	130					FN	7/21/2002	4		WB	0	
746	SFCD	130					FN	7/21/2002	4		WB	0	
846	SFCD	134	20				FN	7/21/2002	5		WB	0	
668	SFCD	135	20				FN	7/21/2002	4		WB	0	
704	SFCD	135					FN	7/21/2002	4		WB	0	
715	SFCD	135					FN	7/21/2002	4		WB	0	
723	SFCD	135					FN	7/21/2002	4		WB	0	
749	SFCD	135					FN	7/21/2002	4		WB	0	
845	SFCD	135	25				FN	7/21/2002	5		WB	0	
847	SFCD	136	35				FN	7/21/2002	5		WB	0	
669	SFCD	140	20				FN	7/21/2002	4		WB	0	
681	SFCD	140	20				FN	7/21/2002	4		WB	0	
686	SFCD	140	25				FN	7/21/2002	4		WB	0	
688	SFCD	140	25				FN	7/21/2002	4		WB	0	
690	SFCD	140	20				FN	7/21/2002	4		WB	0	
695	SFCD	140					FN	7/21/2002	4		WB	0	
696	SFCD	140					FN	7/21/2002	4		WB	0	
706	SFCD	140					FN	7/21/2002	4		WB	0	
716	SFCD	140					FN	7/21/2002	4		WB	0	
717	SFCD	140					FN	7/21/2002	4		WB	0	
720	SFCD	140					FN	7/21/2002	4		WB	0	
722	SFCD	140					FN	7/21/2002	4		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
767	SFCD	140					FN	7/21/2002	4		WB	1	
748	SFCD	142					FN	7/21/2002	4		WB	0	
837	SFCD	142					FN	7/21/2002	5		WB	0	
708	SFCD	143					FN	7/21/2002	4		WB	0	
839	SFCD	143	30				FN	7/21/2002	5		WB	0	
712	SFCD	144					FN	7/21/2002	4		WB	0	
849	SFCD	144	45				FN	7/21/2002	5		WB	0	
687	SFCD	145	25				FN	7/21/2002	4		WB	0	
699	SFCD	145					FN	7/21/2002	4		WB	0	
703	SFCD	145					FN	7/21/2002	4		WB	0	
718	SFCD	145					FN	7/21/2002	4		WB	0	
721	SFCD	145					FN	7/21/2002	4		WB	0	
766	SFCD	145					FN	7/21/2002	4		WB	0	
750	SFCD	147					FN	7/21/2002	4		WB	0	
709	SFCD	148					FN	7/21/2002	4		WB	0	
711	SFCD	148					FN	7/21/2002	4		WB	0	
725	SFCD	148					FN	7/21/2002	4		WB	0	
705	SFCD	149					FN	7/21/2002	4		WB	0	
707	SFCD	149					FN	7/21/2002	4		WB	0	
675	SFCD	150	20				FN	7/21/2002	4		WB	0	
680	SFCD	150	20				FN	7/21/2002	4		WB	0	
682	SFCD	150	15				FN	7/21/2002	4		WB	0	
685	SFCD	150	25				FN	7/21/2002	4		WB	0	
694	SFCD	150					FN	7/21/2002	4		WB	0	
710	SFCD	150					FN	7/21/2002	4		WB	0	
713	SFCD	150					FN	7/21/2002	4		WB	0	
842	SFCD	150	35				FN	7/21/2002	5		WB	0	
844	SFCD	150	35				FN	7/21/2002	5		WB	0	
840	SFCD	152	25				FN	7/21/2002	5		WB	0	
769	SFCD	153					FN	7/21/2002	4		WB	1	
835	SFCD	153	30				FN	7/21/2002	5		EB	0	
714	SFCD	155					FN	7/21/2002	4		WB	0	
848	SFCD	155	30				FN	7/21/2002	5		WB	0	
676	SFCD	156	20				FN	7/21/2002	4		WB	0	
751	SFCD	156					FN	7/21/2002	4		WB	1	
843	SFCD	158	30				FN	7/21/2002	5		WB	0	
672	SFCD	160	25				FN	7/21/2002	4		WB	0	
691	SFCD	160					FN	7/21/2002	4		WB	0	
697	SFCD	160					FN	7/21/2002	4		WB	0	
701	SFCD	160					FN	7/21/2002	4		WB	0	
702	SFCD	160					FN	7/21/2002	4		WB	0	
770	SFCD	160					FN	7/21/2002	4		WB	1	
700	SFCD	165					FN	7/21/2002	4		WB	0	
836	SFCD	170	45				FN	7/21/2002	5		EB	0	
743	SFCD	229	105				FN	7/21/2002	4		WB	0	
561	SFCD	275	140				FN	7/21/2002	4		EB	0	
596	SFCD	305	155				FN	7/21/2002	4		EB	0	
597	SFCD	305	185				FN	7/21/2002	4		EB	0	
735	SFCD	310	215				FN	7/21/2002	4		WB	0	
734	SFCD	312	265				FN	7/21/2002	4		WB	0	
753	SFCD	319	230				FN	7/21/2002	4		WB	0	
591	SFCD	320	255				FN	7/21/2002	4		EB	0	
762	SFCD	320	215				FN	7/21/2002	4		WB	0	SKINNY
758	SFCD	323	230				FN	7/21/2002	4		WB	0	
565	SFCD	325	285				FN	7/21/2002	4		EB	0	
593	SFCD	325	325				FN	7/21/2002	4		EB	0	
763	SFCD	328	225				FN	7/21/2002	4		WB	0	SKINNY
592	SFCD	330	320				FN	7/21/2002	4		EB	0	
598	SFCD	330	265				FN	7/21/2002	4		EB	0	
729	SFCD	330	305				FN	7/21/2002	4		WB	0	
733	SFCD	330	315				FN	7/21/2002	4		WB	0	
741	SFCD	332	210				FN	7/21/2002	4		WB	0	
744	SFCD	333	280				FN	7/21/2002	4		WB	0	
737	SFCD	338	285				FN	7/21/2002	4		WB	0	
732	SFCD	340	335				FN	7/21/2002	4		WB	0	
756	SFCD	342	330				FN	7/21/2002	4		WB	0	
740	SFCD	343	310				FN	7/21/2002	4		WB	0	
759	SFCD	344	295				FN	7/21/2002	4		WB	0	
739	SFCD	347	410				FN	7/21/2002	4		WB	0	
738	SFCD	348	350				FN	7/21/2002	4		WB	0	
731	SFCD	350	315				FN	7/21/2002	4		WB	0	
754	SFCD	350	280				FN	7/21/2002	4		WB	0	
760	SFCD	355	370				FN	7/21/2002	4		WB	0	
755	SFCD	360	365				FN	7/21/2002	4		WB	0	
595	SFCD	365	345				FN	7/21/2002	4		EB	0	
736	SFCD	372	380				FN	7/21/2002	4		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
757	SFCD	380	650				FN	7/21/2002	4		WB	0	
728	SFCD	390	490				FN	7/21/2002	4		WB	0	
590	SFCD	400	465				FN	7/21/2002	4		EB	0	
761	SFCD	420	535				FN	7/21/2002	4		WB	0	
730	SFCD	435	710				FN	7/21/2002	4		WB	0	
752	SFCD	478	795				FN	7/21/2002	4		WB	1	
1043	SFCD	95					FN	7/22/2002	6		WB	0	
1080	SFCD	110					FN	7/22/2002	6		WB	0	
1165	SFCD	116					FN	7/22/2002	6		WB	1	
1039	SFCD	125					FN	7/22/2002	6		WB	0	
1042	SFCD	132					FN	7/22/2002	6		WB	0	
1038	SFCD	133	20				FN	7/22/2002	6		EB	1	
1085	SFCD	135					FN	7/22/2002	6		WB	0	
1254	SFCD	135					FN	7/22/2002	7		WB	0	
1240	SFCD	139	25				FN	7/22/2002	7		WB	0	
1000	SFCD	140	10				FN	7/22/2002	6		EB	1	
1037	SFCD	140	35				FN	7/22/2002	6		EB	1	
1086	SFCD	140					FN	7/22/2002	6		WB	0	
1185	SFCD	140	35				FN	7/22/2002	7		EB	0	
1239	SFCD	140	25				FN	7/22/2002	7		WB	0	
1241	SFCD	140	25				FN	7/22/2002	7		WB	0	
1252	SFCD	141					FN	7/22/2002	7		WB	0	
1131	SFCD	142					FN	7/22/2002	6		WB	0	
1154	SFCD	142					FN	7/22/2002	6		WB	1	
1238	SFCD	142	20				FN	7/22/2002	7		WB	0	
859	SFCD	143					FN	7/22/2002	6		EB	0	
1036	SFCD	145	45				FN	7/22/2002	6		EB	1	
1040	SFCD	145					FN	7/22/2002	6		WB	0	
1077	SFCD	145					FN	7/22/2002	6		WB	0	
1099	SFCD	145					FN	7/22/2002	6		WB	0	
1128	SFCD	145					FN	7/22/2002	6		WB	0	
1079	SFCD	149					FN	7/22/2002	6		WB	0	
1070	SFCD	150					FN	7/22/2002	6		WB	0	
1081	SFCD	150					FN	7/22/2002	6		WB	0	
1183	SFCD	150					FN	7/22/2002	7		EB	0	
1201	SFCD	151	25				FN	7/22/2002	7		EB	1	
1073	SFCD	152					FN	7/22/2002	6		WB	0	
1193	SFCD	152	35				FN	7/22/2002	7		EB	0	
1001	SFCD	153	15				FN	7/22/2002	6		EB	1	
1068	SFCD	153					FN	7/22/2002	6		WB	0	
1082	SFCD	153					FN	7/22/2002	6		WB	0	
1127	SFCD	153					FN	7/22/2002	6		WB	0	
1198	SFCD	153	30				FN	7/22/2002	7		EB	0	
1069	SFCD	155					FN	7/22/2002	6		WB	0	
1075	SFCD	155					FN	7/22/2002	6		WB	0	
1078	SFCD	155					FN	7/22/2002	6		WB	0	
861	SFCD	156					FN	7/22/2002	6		EB	0	
1072	SFCD	156					FN	7/22/2002	6		WB	0	
1084	SFCD	156					FN	7/22/2002	6		WB	0	
1071	SFCD	157					FN	7/22/2002	6		WB	0	
1076	SFCD	160					FN	7/22/2002	6		WB	0	
1162	SFCD	160					FN	7/22/2002	6		WB	1	
1041	SFCD	162					FN	7/22/2002	6		WB	0	
1074	SFCD	162					FN	7/22/2002	6		WB	0	
1130	SFCD	165					FN	7/22/2002	6		WB	0	
1129	SFCD	167					FN	7/22/2002	6		WB	0	
1200	SFCD	170	45				FN	7/22/2002	7		EB	0	
1083	SFCD	179					FN	7/22/2002	6		WB	0	
1067	SFCD	215					FN	7/22/2002	6		WB	0	
1044	SFCD	249					FN	7/22/2002	6		WB	0	
1045	SFCD	285					FN	7/22/2002	6		WB	0	
1053	SFCD	295					FN	7/22/2002	6		WB	0	
1058	SFCD	299					FN	7/22/2002	6		WB	0	
1066	SFCD	300					FN	7/22/2002	6		WB	0	
1059	SFCD	305					FN	7/22/2002	6		WB	0	
1065	SFCD	323					FN	7/22/2002	6		WB	0	
1050	SFCD	326					FN	7/22/2002	6		WB	0	
1055	SFCD	340					FN	7/22/2002	6		WB	0	
1061	SFCD	340					FN	7/22/2002	6		WB	0	
1047	SFCD	350					FN	7/22/2002	6		WB	0	
1052	SFCD	360					FN	7/22/2002	6		WB	0	
1056	SFCD	360					FN	7/22/2002	6		WB	0	
1063	SFCD	368					FN	7/22/2002	6		WB	0	
1060	SFCD	369					FN	7/22/2002	6		WB	0	
1064	SFCD	372					FN	7/22/2002	6		WB	0	
1062	SFCD	375					FN	7/22/2002	6		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1054	SFCD	385					FN	7/22/2002	6		WB	0	
1046	SFCD	405					FN	7/22/2002	6		WB	0	
1051	SFCD	410					FN	7/22/2002	6		WB	0	
1049	SFCD	420					FN	7/22/2002	6		WB	0	
1057	SFCD	440					FN	7/22/2002	6		WB	0	
1048	SFCD	480					FN	7/22/2002	6		WB	0	
1273	SFCD	333	308				GN	7/23/2002	RUN #1	2	WEST	0	WEST OF SEWAGE OUTFLOW
1274	SFCD	374	458				GN	7/23/2002	RUN #1	2	WEST	0	WEST OF SEWAGE OUTFLOW
1391	SFCD	140					FN	7/24/2002	8		WB	0	
1491	SFCD	135					FN	7/25/2002	9		EB	0	
1504	SFCD	135					FN	7/25/2002	9		EB	0	
1796	SFCD	135					FN	7/25/2002	10		EB	0	
1509	SFCD	142					FN	7/25/2002	9		EB	0	
1698	SFCD	143					FN	7/25/2002	9		WB	0	
1511	SFCD	145					FN	7/25/2002	9		EB	0	
1508	SFCD	146					FN	7/25/2002	9		EB	0	
1506	SFCD	150					FN	7/25/2002	9		EB	0	
1591	SFCD	150					FN	7/25/2002	9		EB	0	
1863	SFCD	150					FN	7/25/2002	10		WB	0	
1476	SFCD	152					FN	7/25/2002	9		EB	0	
1505	SFCD	152					FN	7/25/2002	9		EB	0	
1507	SFCD	152					FN	7/25/2002	9		EB	0	
1707	SFCD	152					FN	7/25/2002	9		WB	0	
1483	SFCD	155					FN	7/25/2002	9		EB	0	
1517	SFCD	155					FN	7/25/2002	9		EB	0	
1623	SFCD	155					FN	7/25/2002	9		EB	0	
1696	SFCD	158					FN	7/25/2002	9		WB	0	
1479	SFCD	160					FN	7/25/2002	9		EB	0	
1482	SFCD	162					FN	7/25/2002	9		EB	0	
1478	SFCD	164					FN	7/25/2002	9		EB	0	
1500	SFCD	164					FN	7/25/2002	9		EB	0	
1477	SFCD	167					FN	7/25/2002	9		EB	0	
1475	SFCD	168					FN	7/25/2002	9		EB	0	
1489	SFCD	172					FN	7/25/2002	9		EB	0	
1622	SFCD	175					FN	7/25/2002	9		EB	0	
1480	SFCD	183					FN	7/25/2002	9		EB	0	
1497	SFCD	186					FN	7/25/2002	9		EB	0	
1473	SFCD	187					FN	7/25/2002	9		EB	0	
1503	SFCD	190					FN	7/25/2002	9		EB	0	
1502	SFCD	192					FN	7/25/2002	9		EB	0	
1472	SFCD	195					FN	7/25/2002	9		EB	0	
1486	SFCD	195					FN	7/25/2002	9		EB	0	
1498	SFCD	195					FN	7/25/2002	9		EB	0	
1501	SFCD	200					FN	7/25/2002	9		EB	0	
1654	SFCD	202					FN	7/25/2002	9		WB	0	
1606	SFCD	204					FN	7/25/2002	9		EB	0	
1643	SFCD	204					FN	7/25/2002	9		WB	0	
1695	SFCD	206					FN	7/25/2002	9		WB	0	
1443	SFCD	207					FN	7/25/2002	9		EB	0	
1607	SFCD	208					FN	7/25/2002	9		EB	0	
1468	SFCD	210					FN	7/25/2002	9		EB	0	
1469	SFCD	210					FN	7/25/2002	9		EB	0	
1474	SFCD	210					FN	7/25/2002	9		EB	0	
1655	SFCD	210					FN	7/25/2002	9		WB	0	
1490	SFCD	212					FN	7/25/2002	9		EB	0	
1493	SFCD	212					FN	7/25/2002	9		EB	0	
1496	SFCD	212					FN	7/25/2002	9		EB	0	
1823	SFCD	212					FN	7/25/2002	10		EB	0	
1488	SFCD	213					FN	7/25/2002	9		EB	0	
1697	SFCD	213					FN	7/25/2002	9		WB	0	
1452	SFCD	214					FN	7/25/2002	9		EB	0	
1510	SFCD	214					FN	7/25/2002	9		EB	0	
1676	SFCD	215					FN	7/25/2002	9		WB	0	
1684	SFCD	215					FN	7/25/2002	9		WB	0	
1646	SFCD	216					FN	7/25/2002	9		WB	0	
1499	SFCD	217					FN	7/25/2002	9		EB	0	
1456	SFCD	218					FN	7/25/2002	9		EB	0	
1461	SFCD	220					FN	7/25/2002	9		EB	0	
1597	SFCD	221					FN	7/25/2002	9		EB	0	
1494	SFCD	223					FN	7/25/2002	9		EB	0	
1465	SFCD	225					FN	7/25/2002	9		EB	0	
1467	SFCD	226					FN	7/25/2002	9		EB	0	
1644	SFCD	227					FN	7/25/2002	9		WB	0	
1466	SFCD	230					FN	7/25/2002	9		EB	0	
1585	SFCD	230					FN	7/25/2002	9		EB	0	
1451	SFCD	232					FN	7/25/2002	9		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1495	SFCD	234					FN	7/25/2002	9		EB	0	
1641	SFCD	234					FN	7/25/2002	9		WB	0	
1454	SFCD	235					FN	7/25/2002	9		EB	0	
1460	SFCD	235					FN	7/25/2002	9		EB	0	
1463	SFCD	235					FN	7/25/2002	9		EB	0	
1448	SFCD	236					FN	7/25/2002	9		EB	0	
1598	SFCD	237					FN	7/25/2002	9		EB	0	
1470	SFCD	240					FN	7/25/2002	9		EB	0	
1632	SFCD	240					FN	7/25/2002	9		EB	0	
1658	SFCD	240					FN	7/25/2002	9		WB	0	
1867	SFCD	240					FN	7/25/2002	10		WB	0	
1601	SFCD	242					FN	7/25/2002	9		EB	0	
1604	SFCD	242					FN	7/25/2002	9		EB	0	
1605	SFCD	243					FN	7/25/2002	9		EB	0	
1590	SFCD	244					FN	7/25/2002	9		EB	0	
1656	SFCD	245					FN	7/25/2002	9		WB	0	
1688	SFCD	245					FN	7/25/2002	9		WB	0	
1455	SFCD	247					FN	7/25/2002	9		EB	0	
1578	SFCD	248					FN	7/25/2002	9		EB	0	
1603	SFCD	248					FN	7/25/2002	9		EB	0	
1639	SFCD	250					FN	7/25/2002	9		WB	0	
1457	SFCD	252					FN	7/25/2002	9		EB	0	
1471	SFCD	252					FN	7/25/2002	9		EB	0	
1673	SFCD	252					FN	7/25/2002	9		WB	0	
1692	SFCD	252					FN	7/25/2002	9		WB	0	
1694	SFCD	252					FN	7/25/2002	9		WB	0	
1674	SFCD	253					FN	7/25/2002	9		WB	0	
1459	SFCD	255					FN	7/25/2002	9		EB	0	
1450	SFCD	257					FN	7/25/2002	9		EB	0	
1602	SFCD	257					FN	7/25/2002	9		EB	0	
1579	SFCD	262					FN	7/25/2002	9		EB	0	
1687	SFCD	262					FN	7/25/2002	9		WB	0	
1462	SFCD	265					FN	7/25/2002	9		EB	0	
1442	SFCD	268					FN	7/25/2002	9		EB	0	
1453	SFCD	268					FN	7/25/2002	9		EB	0	
1458	SFCD	268					FN	7/25/2002	9		EB	0	
1649	SFCD	268					FN	7/25/2002	9		WB	0	
1648	SFCD	272					FN	7/25/2002	9		WB	0	
1824	SFCD	272					FN	7/25/2002	10		EB	0	
1599	SFCD	275					FN	7/25/2002	9		EB	0	
1653	SFCD	275					FN	7/25/2002	9		WB	0	
1664	SFCD	280					FN	7/25/2002	9		WB	0	
1464	SFCD	282					FN	7/25/2002	9		EB	0	
1445	SFCD	292					FN	7/25/2002	9		EB	0	
1853	SFCD	293					FN	7/25/2002	10		WB	0	
1447	SFCD	294					FN	7/25/2002	9		EB	0	
1596	SFCD	294					FN	7/25/2002	9		EB	0	
1600	SFCD	295					FN	7/25/2002	9		EB	0	
1444	SFCD	298					FN	7/25/2002	9		EB	0	
1484	SFCD	300					FN	7/25/2002	9		EB	0	
1638	SFCD	302					FN	7/25/2002	9		WB	0	
1449	SFCD	304					FN	7/25/2002	9		EB	0	
1647	SFCD	307					FN	7/25/2002	9		WB	0	
1440	SFCD	310					FN	7/25/2002	9		EB	0	
1446	SFCD	310					FN	7/25/2002	9		EB	0	
1681	SFCD	310					FN	7/25/2002	9		WB	0	
1665	SFCD	312					FN	7/25/2002	9		WB	0	
1858	SFCD	312					FN	7/25/2002	10		WB	0	
1586	SFCD	314					FN	7/25/2002	9		EB	0	
1671	SFCD	314					FN	7/25/2002	9		WB	0	
1685	SFCD	317					FN	7/25/2002	9		WB	0	
1686	SFCD	318					FN	7/25/2002	9		WB	0	
1693	SFCD	318					FN	7/25/2002	9		WB	0	
1481	SFCD	320					FN	7/25/2002	9		EB	0	
1635	SFCD	320					FN	7/25/2002	9		WB	0	
1438	SFCD	321					FN	7/25/2002	9		EB	0	
1690	SFCD	321					FN	7/25/2002	9		WB	0	
1439	SFCD	323					FN	7/25/2002	9		EB	0	
1683	SFCD	323					FN	7/25/2002	9		WB	0	
1678	SFCD	324					FN	7/25/2002	9		WB	0	
1587	SFCD	330					FN	7/25/2002	9		EB	0	
1592	SFCD	330					FN	7/25/2002	9		EB	0	
1589	SFCD	332					FN	7/25/2002	9		EB	0	
1595	SFCD	332					FN	7/25/2002	9		EB	0	
1691	SFCD	332					FN	7/25/2002	9		WB	0	
1682	SFCD	335					FN	7/25/2002	9		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1679	SFCD	336					FN	7/25/2002	9		WB	0	
1666	SFCD	337					FN	7/25/2002	9		WB	0	
1441	SFCD	340					FN	7/25/2002	9		EB	0	
1485	SFCD	340					FN	7/25/2002	9		EB	0	
1640	SFCD	342					FN	7/25/2002	9		WB	0	
1645	SFCD	342					FN	7/25/2002	9		WB	0	
1580	SFCD	344					FN	7/25/2002	9		EB	0	
1680	SFCD	345					FN	7/25/2002	9		WB	0	
1657	SFCD	346					FN	7/25/2002	9		WB	0	
1672	SFCD	350					FN	7/25/2002	9		WB	0	
1636	SFCD	352					FN	7/25/2002	9		WB	0	
1675	SFCD	352					FN	7/25/2002	9		WB	0	
1160	SFCD	353					FN	7/25/2002	9		WB	0	
1663	SFCD	355					FN	7/25/2002	9		WB	0	
1637	SFCD	357					FN	7/25/2002	9		WB	0	
1588	SFCD	358					FN	7/25/2002	9		EB	0	
1492	SFCD	360					FN	7/25/2002	9		EB	0	
1583	SFCD	362					FN	7/25/2002	9		EB	0	
1667	SFCD	362					FN	7/25/2002	9		WB	0	
1661	SFCD	365					FN	7/25/2002	9		WB	0	
1642	SFCD	367					FN	7/25/2002	9		WB	0	
1677	SFCD	367					FN	7/25/2002	9		WB	0	
1651	SFCD	370					FN	7/25/2002	9		WB	0	
1668	SFCD	370					FN	7/25/2002	9		WB	0	
1659	SFCD	372					FN	7/25/2002	9		WB	0	
1662	SFCD	372					FN	7/25/2002	9		WB	0	
1594	SFCD	375					FN	7/25/2002	9		EB	0	
1859	SFCD	375					FN	7/25/2002	10		WB	0	
1650	SFCD	380					FN	7/25/2002	9		WB	0	
1487	SFCD	382					FN	7/25/2002	9		EB	0	
1582	SFCD	387					FN	7/25/2002	9		EB	0	
1581	SFCD	389					FN	7/25/2002	9		EB	0	
1634	SFCD	392					FN	7/25/2002	9		WB	0	
1584	SFCD	394					FN	7/25/2002	9		EB	0	
1689	SFCD	395					FN	7/25/2002	9		WB	0	
1593	SFCD	412					FN	7/25/2002	9		EB	0	
1670	SFCD	434					FN	7/25/2002	9		WB	0	
1652	SFCD	472					FN	7/25/2002	9		WB	0	
1669	SFCD	492					FN	7/25/2002	9		WB	0	
1947	SFCD	121					FN	7/26/2002	11		EB	0	
2027	SFCD	149					FN	7/26/2002	11		WB	0	
1953	SFCD	150					FN	7/26/2002	11		EB	0	
2009	SFCD	155					FN	7/26/2002	11		WB	0	
2034	SFCD	167					FN	7/26/2002	11		WB	0	
2006	SFCD	205					FN	7/26/2002	11		WB	0	
2012	SFCD	219					FN	7/26/2002	11		WB	0	
2007	SFCD	220					FN	7/26/2002	11		WB	0	
2003	SFCD	246					FN	7/26/2002	11		WB	0	
2004	SFCD	252					FN	7/26/2002	11		WB	0	
1999	SFCD	261					FN	7/26/2002	11		EB	0	
2005	SFCD	265					FN	7/26/2002	11		WB	0	
1925	SFCD	274					FN	7/26/2002	11		EB	0	
2002	SFCD	294					FN	7/26/2002	11		WB	0	
2008	SFCD	307					FN	7/26/2002	11		WB	0	
1929	SFCD	308					FN	7/26/2002	11		EB	0	
1921	SFCD	332					FN	7/26/2002	11		EB	0	
2038	SFCD	338					FN	7/26/2002	11		WB	0	
1922	SFCD	339					FN	7/26/2002	11		EB	0	
1920	SFCD	345					FN	7/26/2002	11		EB	0	
2001	SFCD	352					FN	7/26/2002	11		WB	0	
1928	SFCD	372					FN	7/26/2002	11		EB	0	
3113	SFCD	154					FN	8/29/2002	12		WB	0	
3119	SFCD	157					FN	8/29/2002	12		WB	0	
3121	SFCD	159					FN	8/29/2002	12		WB	0	
3123	SFCD	159					FN	8/29/2002	12		WB	0	
3122	SFCD	162					FN	8/29/2002	12		WB	0	
3120	SFCD	173					FN	8/29/2002	12		WB	0	
3117	SFCD	197					FN	8/29/2002	12		WB	0	
3100	SFCD	205					FN	8/29/2002	12		EB	0	
3101	SFCD	235					FN	8/29/2002	12		EB	0	
3092	SFCD	257					FN	8/29/2002	12		EB	0	
3087	SFCD	272					FN	8/29/2002	12		EB	0	
3086	SFCD	284					FN	8/29/2002	12		EB	0	
3090	SFCD	299					FN	8/29/2002	12		EB	0	
3111	SFCD	332					FN	8/29/2002	12		WB	0	
3109	SFCD	334					FN	8/29/2002	12		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3085	SFCD	345					FN	8/29/2002	12		EB	0	
3091	SFCD	382					FN	8/29/2002	12		EB	0	
3084	SFCD	423					FN	8/29/2002	12		EB	0	
3179	SFCD	150	30				FN	8/30/2002	13		WB	0	
3328	SFCD	168	34				FN	8/30/2002	14		EB	0	
3333	SFCD	168	14				FN	8/30/2002	14		EB	0	
3261	SFCD	170	46				FN	8/30/2002	13		WB	0	
3278	SFCD	175	44				FN	8/30/2002	13		WB	0	
3254	SFCD	177	50				FN	8/30/2002	13		WB	0	
3187	SFCD	212	42				FN	8/30/2002	13		EB	0	
3223	SFCD	236					FN	8/30/2002	13		EB	0	
3196	SFCD	238	80				FN	8/30/2002	13		EB	0	
3167	SFCD	257	147				FN	8/30/2002	13		WB	0	
3243	SFCD	260	146				FN	8/30/2002	13		EB	0	
3240	SFCD	261	134				FN	8/30/2002	13		EB	0	
3191	SFCD	268	120				FN	8/30/2002	13		EB	0	
3194	SFCD	268	118				FN	8/30/2002	13		EB	0	
3168	SFCD	272	134				FN	8/30/2002	13		WB	0	
3186	SFCD	293	172				FN	8/30/2002	13		EB	0	
3185	SFCD	298	238				FN	8/30/2002	13		EB	0	
3192	SFCD	300	168				FN	8/30/2002	13		EB	0	
3237	SFCD	301	236				FN	8/30/2002	13		EB	0	
3169	SFCD	302	206				FN	8/30/2002	13		WB	0	
3238	SFCD	302	194				FN	8/30/2002	13		EB	0	
3190	SFCD	305	222				FN	8/30/2002	13		EB	0	
3245	SFCD	305	242				FN	8/30/2002	13		WB	0	
3142	SFCD	310	150				FN	8/30/2002	13		EB	0	
3234	SFCD	312	198				FN	8/30/2002	13		EB	0	
3155	SFCD	315	218				FN	8/30/2002	13		EB	0	
3170	SFCD	315	234				FN	8/30/2002	13		WB	0	
3218	SFCD	319					FN	8/30/2002	13		EB	0	
3171	SFCD	320	274				FN	8/30/2002	13		WB	0	
3124	SFCD	323	164				FN	8/30/2002	13		EB	0	
3236	SFCD	323	260				FN	8/30/2002	13		EB	0	
3184	SFCD	324	224				FN	8/30/2002	13		EB	0	
3166	SFCD	325	290				FN	8/30/2002	13		WB	0	
3231	SFCD	328	268				FN	8/30/2002	13		EB	0	
3150	SFCD	333	314				FN	8/30/2002	13		EB	0	
3156	SFCD	337	306				FN	8/30/2002	13		EB	0	
3242	SFCD	337	310				FN	8/30/2002	13		EB	0	
3154	SFCD	340	254				FN	8/30/2002	13		EB	0	
3235	SFCD	346	244				FN	8/30/2002	13		EB	0	
3287	SFCD	348	344				FN	8/30/2002	13		WB	0	
3153	SFCD	354	246				FN	8/30/2002	13		EB	0	
3228	SFCD	354	354				FN	8/30/2002	13		EB	0	
3152	SFCD	355	356				FN	8/30/2002	13		EB	0	
3229	SFCD	355	286				FN	8/30/2002	13		EB	0	
3151	SFCD	356	298				FN	8/30/2002	13		EB	0	
3126	SFCD	358	310				FN	8/30/2002	13		EB	0	
3148	SFCD	360	308				FN	8/30/2002	13		EB	0	
3219	SFCD	360					FN	8/30/2002	13		EB	0	
3128	SFCD	362	268				FN	8/30/2002	13		EB	0	
3222	SFCD	362					FN	8/30/2002	13		EB	0	
3147	SFCD	364	380				FN	8/30/2002	13		EB	0	
3211	SFCD	365	326				FN	8/30/2002	13		EB	0	
3136	SFCD	372	316				FN	8/30/2002	13		EB	0	
3141	SFCD	372	204				FN	8/30/2002	13		EB	0	
3189	SFCD	374	376				FN	8/30/2002	13		EB	0	
3233	SFCD	377	418				FN	8/30/2002	13		EB	0	
3212	SFCD	378	436				FN	8/30/2002	13		EB	0	
3149	SFCD	381	192				FN	8/30/2002	13		EB	0	
3137	SFCD	382	394				FN	8/30/2002	13		EB	0	
3143	SFCD	382	370				FN	8/30/2002	13		EB	0	
3145	SFCD	382	406				FN	8/30/2002	13		EB	0	
3280	SFCD	382	346				FN	8/30/2002	13		WB	0	
3146	SFCD	385	386				FN	8/30/2002	13		EB	0	
3239	SFCD	385	446				FN	8/30/2002	13		EB	0	
3226	SFCD	386	432				FN	8/30/2002	13		EB	0	
3140	SFCD	389	450				FN	8/30/2002	13		EB	0	
3127	SFCD	390	486				FN	8/30/2002	13		EB	0	
3138	SFCD	390	384				FN	8/30/2002	13		EB	0	
3241	SFCD	390	400				FN	8/30/2002	13		EB	0	
3283	SFCD	390	472				FN	8/30/2002	13		WB	0	
3144	SFCD	392	446				FN	8/30/2002	13		EB	0	
3224	SFCD	393	490				FN	8/30/2002	13		EB	0	
3125	SFCD	395	494				FN	8/30/2002	13		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3220	SFCD	395	430				FN	8/30/2002	13		EB	0	
3227	SFCD	415	464				FN	8/30/2002	13		EB	0	
3213	SFCD	437	572				FN	8/30/2002	13		EB	0	
3232	SFCD	439	660				FN	8/30/2002	13		EB	0	
3230	SFCD	442	568				FN	8/30/2002	13		EB	0	
3139	SFCD	443	484				FN	8/30/2002	13		EB	0	
3225	SFCD	467	626				FN	8/30/2002	13		EB	0	
3221	SFCD	468	468				FN	8/30/2002	13		EB	0	
3531	SFCD	145					FN	8/31/2002	15		WB	0	
3527	SFCD	152					FN	8/31/2002	15		WB	0	
3530	SFCD	162					FN	8/31/2002	15		WB	0	
3521	SFCD	165					FN	8/31/2002	15		WB	0	
3401	SFCD	170	34				FN	8/31/2002	15		EB	0	
3523	SFCD	172					FN	8/31/2002	15		WB	0	
3529	SFCD	172					FN	8/31/2002	15		WB	0	
3525	SFCD	190					FN	8/31/2002	15		WB	0	
3526	SFCD	217					FN	8/31/2002	15		WB	0	
3501	SFCD	262					FN	8/31/2002	15		WB	0	
3512	SFCD	265					FN	8/31/2002	15		WB	0	
3545	SFCD	266					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3431	SFCD	272	120				FN	8/31/2002	15		EB	0	
3515	SFCD	272					FN	8/31/2002	15		WB	0	
3511	SFCD	275					FN	8/31/2002	15		WB	0	
3398	SFCD	277					FN	8/31/2002	15		EB	0	
3510	SFCD	280					FN	8/31/2002	15		WB	0	
3448	SFCD	291	298				FN	8/31/2002	15		EB	0	
3429	SFCD	300	244				FN	8/31/2002	15		EB	0	
3478	SFCD	300	122				FN	8/31/2002	15		EB	0	
3479	SFCD	300	108				FN	8/31/2002	15		EB	0	
3477	SFCD	302	108				FN	8/31/2002	15		EB	0	
3465	SFCD	308	538				FN	8/31/2002	15		EB	0	
3395	SFCD	321					FN	8/31/2002	15		EB	0	
3471	SFCD	321	242				FN	8/31/2002	15		EB	0	
3436	SFCD	322	262				FN	8/31/2002	15		EB	0	
3452	SFCD	322	222				FN	8/31/2002	15		EB	0	
3470	SFCD	322	254				FN	8/31/2002	15		EB	0	
3451	SFCD	330	276				FN	8/31/2002	15		EB	0	
3519	SFCD	332					FN	8/31/2002	15		WB	0	
3449	SFCD	342	280				FN	8/31/2002	15		EB	0	
3433	SFCD	345	234				FN	8/31/2002	15		EB	0	
3514	SFCD	345					FN	8/31/2002	15		WB	0	
3434	SFCD	348	282				FN	8/31/2002	15		EB	0	
3450	SFCD	352					FN	8/31/2002	15		EB	0	
3469	SFCD	357	356				FN	8/31/2002	15		EB	0	
3464	SFCD	360	298				FN	8/31/2002	15		EB	0	
3504	SFCD	360					FN	8/31/2002	15		WB	0	
3474	SFCD	361	406				FN	8/31/2002	15		EB	0	
3475	SFCD	362	426				FN	8/31/2002	15		EB	0	
3463	SFCD	367	430				FN	8/31/2002	15		EB	0	
3543	SFCD	370					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3425	SFCD	372	400				FN	8/31/2002	15		EB	0	
3466	SFCD	380	248				FN	8/31/2002	15		EB	0	
3435	SFCD	382					FN	8/31/2002	15		EB	0	
3472	SFCD	384	420				FN	8/31/2002	15		EB	0	
3468	SFCD	389	518				FN	8/31/2002	15		EB	0	
3473	SFCD	394	492				FN	8/31/2002	15		EB	0	
3535	SFCD	397					FN	8/31/2002	15		WB	0	
3397	SFCD	406					FN	8/31/2002	15		EB	0	
3404	SFCD	412	502				FN	8/31/2002	15		EB	0	
3396	SFCD	415					FN	8/31/2002	15		EB	0	
3491	SFCD	415	404				FN	8/31/2002	15		WB	0	
3439	SFCD	420	470				FN	8/31/2002	15		EB	0	
3399	SFCD	421	598				FN	8/31/2002	15		EB	0	
3503	SFCD	422					FN	8/31/2002	15		WB	0	
3676	SFCD	168					FN	9/1/2002	16		WB	0	
3610	SFCD	233					FN	9/1/2002	16		EB	0	
3601	SFCD	258					FN	9/1/2002	16		EB	0	
3594	SFCD	300					FN	9/1/2002	16		EB	0	
3586	SFCD	303					FN	9/1/2002	16		EB	1	ST=0
3585	SFCD	305					FN	9/1/2002	16		EB	0	
3592	SFCD	305					FN	9/1/2002	16		EB	0	
3605	SFCD	305					FN	9/1/2002	16		EB	0	
3575	SFCD	310					FN	9/1/2002	16		EB	0	
3597	SFCD	310					FN	9/1/2002	16		EB	0	
3600	SFCD	315					FN	9/1/2002	16		EB	0	
3648	SFCD	315					FN	9/1/2002	16		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3664	SFCD	315					FN	9/1/2002	16		WB	0	
3602	SFCD	316					FN	9/1/2002	16		EB	0	
3679	SFCD	320					FN	9/1/2002	16		WB	0	
3573	SFCD	325					FN	9/1/2002	16		EB	0	
3603	SFCD	330					FN	9/1/2002	16		EB	0	
3654	SFCD	332					FN	9/1/2002	16		WB	0	
3616	SFCD	334					FN	9/1/2002	16		EB	0	
3574	SFCD	335					FN	9/1/2002	16		EB	0	
3589	SFCD	335					FN	9/1/2002	16		EB	0	
3640	SFCD	335					FN	9/1/2002	16		WB	0	
3677	SFCD	335					FN	9/1/2002	16		WB	0	
3590	SFCD	336					FN	9/1/2002	16		EB	0	
3578	SFCD	347					FN	9/1/2002	16		EB	0	
3612	SFCD	352					FN	9/1/2002	16		EB	0	
3649	SFCD	352					FN	9/1/2002	16		WB	0	
3587	SFCD	354					FN	9/1/2002	16		EB	0	
3576	SFCD	355					FN	9/1/2002	16		EB	0	
3584	SFCD	355					FN	9/1/2002	16		EB	0	
3596	SFCD	357					FN	9/1/2002	16		EB	0	
3604	SFCD	357					FN	9/1/2002	16		EB	0	
3598	SFCD	366					FN	9/1/2002	16		EB	0	
3599	SFCD	368					FN	9/1/2002	16		EB	0	
3583	SFCD	370					FN	9/1/2002	16		EB	0	
3643	SFCD	372					FN	9/1/2002	16		WB	0	
3593	SFCD	374					FN	9/1/2002	16		EB	0	
3652	SFCD	376					FN	9/1/2002	16		WB	0	
3591	SFCD	382					FN	9/1/2002	16		EB	0	
3588	SFCD	385					FN	9/1/2002	16		EB	0	
3595	SFCD	388					FN	9/1/2002	16		EB	0	
3581	SFCD	398					FN	9/1/2002	16		EB	0	
3647	SFCD	410					FN	9/1/2002	16		WB	0	
3579	SFCD	415					FN	9/1/2002	16		EB	0	
3580	SFCD	450					FN	9/1/2002	16		EB	0	
3582	SFCD	465					FN	9/1/2002	16		EB	0	
3633	SFCD	472					FN	9/1/2002	16		WB	1	ST=20 Fish Remains
3572	SFCD	487					FN	9/1/2002	16		EB	1	ST=0
3971	SFCD	150					FN	9/2/2002	18		EB	0	
3860	SFCD	152					FN	9/2/2002	18		WB	0	
3929	SFCD	153					FN	9/2/2002	18		EB	0	
3931	SFCD	162					FN	9/2/2002	18		EB	0	
3911	SFCD	163					FN	9/2/2002	18		WB	0	
3900	SFCD	164					FN	9/2/2002	18		WB	0	
3975	SFCD	174					FN	9/2/2002	18		EB	0	
3883	SFCD	176					FN	9/2/2002	18		WB	0	
3993	SFCD	178					FN	9/2/2002	18		EB	0	
3972	SFCD	190					FN	9/2/2002	18		EB	0	
3959	SFCD	198					FN	9/2/2002	18		EB	0	
3875	SFCD	222					FN	9/2/2002	18		WB	0	
3856	SFCD	230					FN	9/2/2002	18		WB	0	
3960	SFCD	234					FN	9/2/2002	18		EB	0	
3894	SFCD	235					FN	9/2/2002	18		WB	0	
3919	SFCD	240					FN	9/2/2002	18		EB	0	
3873	SFCD	250					FN	9/2/2002	18		WB	0	
3882	SFCD	253					FN	9/2/2002	18		WB	0	
3917	SFCD	255					FN	9/2/2002	18		EB	0	
3895	SFCD	261					FN	9/2/2002	18		WB	0	
3877	SFCD	263					FN	9/2/2002	18		WB	0	
3871	SFCD	267					FN	9/2/2002	18		WB	0	
3970	SFCD	271					FN	9/2/2002	18		EB	0	
3878	SFCD	281					FN	9/2/2002	18		WB	0	
3862	SFCD	283					FN	9/2/2002	18		WB	0	
3918	SFCD	286					FN	9/2/2002	18		EB	0	
3969	SFCD	295					FN	9/2/2002	18		EB	0	
3944	SFCD	306					FN	9/2/2002	18		EB	0	
3953	SFCD	312					FN	9/2/2002	18		EB	0	
3881	SFCD	314					FN	9/2/2002	18		WB	0	
3854	SFCD	316					FN	9/2/2002	18		WB	0	
3866	SFCD	316					FN	9/2/2002	18		WB	0	
3896	SFCD	316					FN	9/2/2002	18		WB	0	
3865	SFCD	317					FN	9/2/2002	18		WB	0	
3920	SFCD	318					FN	9/2/2002	18		EB	0	
3933	SFCD	322					FN	9/2/2002	18		EB	0	
3892	SFCD	334					FN	9/2/2002	18		WB	0	
3855	SFCD	337					FN	9/2/2002	18		WB	0	
3874	SFCD	339					FN	9/2/2002	18		WB	0	
3897	SFCD	339					FN	9/2/2002	18		WB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3899	SFCD	341					FN	9/2/2002	18		WB	0	
3954	SFCD	344					FN	9/2/2002	18		EB	0	
4045	SFCD	346	430				GN	9/2/2002	PULLED	8	NORTH	0	NORTH OF FYKE NET
3867	SFCD	352					FN	9/2/2002	18		WB	0	
3893	SFCD	353					FN	9/2/2002	18		WB	0	
3870	SFCD	364		5			FN	9/2/2002	18		WB	1	ST=20 Fish Remains
3898	SFCD	364					FN	9/2/2002	18		WB	0	
3864	SFCD	367					FN	9/2/2002	18		WB	0	
3869	SFCD	367		15			FN	9/2/2002	18		WB	1	ST=0
3868	SFCD	370					FN	9/2/2002	18		WB	0	
3932	SFCD	372					FN	9/2/2002	18		EB	0	
3853	SFCD	380					FN	9/2/2002	18		WB	0	
3876	SFCD	382					FN	9/2/2002	18		WB	0	
3916	SFCD	389		5			FN	9/2/2002	18		EB	1	ST=20 Fish Remains
3879	SFCD	390					FN	9/2/2002	18		WB	0	
3915	SFCD	392					FN	9/2/2002	18		EB	0	
3863	SFCD	401					FN	9/2/2002	18		WB	0	
3858	SFCD	436					FN	9/2/2002	18		WB	0	
3859	SFCD	482					FN	9/2/2002	18		WB	0	
4148	SFCD	154	30				FN	9/3/2002	19		EB	0	
4114	SFCD	223					FN	9/3/2002	19		EB	0	
4092	SFCD	242	282				FN	9/3/2002	19		EB	0	
4074	SFCD	262	186				FN	9/3/2002	19		WB	0	
4077	SFCD	272	180				FN	9/3/2002	19		WB	0	
4113	SFCD	276	138				FN	9/3/2002	19		EB	0	
4065	SFCD	282	140				FN	9/3/2002	19		WB	0	
4087	SFCD	282	172				FN	9/3/2002	19		EB	0	
4063	SFCD	300	238				FN	9/3/2002	19		WB	0	
4116	SFCD	300					FN	9/3/2002	19		EB	0	
4104	SFCD	319	272				FN	9/3/2002	19		EB	0	
4101	SFCD	320	250				FN	9/3/2002	19		EB	0	
4105	SFCD	320	288				FN	9/3/2002	19		EB	0	
4064	SFCD	321	268				FN	9/3/2002	19		WB	0	
4115	SFCD	326					FN	9/3/2002	19		EB	0	
4091	SFCD	327	260				FN	9/3/2002	19		EB	0	
4094	SFCD	332	268				FN	9/3/2002	19		EB	0	
4081	SFCD	334	262				FN	9/3/2002	19		EB	0	
4140	SFCD	335	382				FN	9/3/2002	19		EB	0	
4062	SFCD	336	202			992	FN	9/3/2002	19		WB	0	
4107	SFCD	337	308				FN	9/3/2002	19		EB	0	
4079	SFCD	346					FN	9/3/2002	19		EB	0	
4082	SFCD	346	600				FN	9/3/2002	19		EB	0	
4089	SFCD	352	314				FN	9/3/2002	19		EB	0	
4100	SFCD	356	330				FN	9/3/2002	19		EB	0	
4090	SFCD	359	326			985	FN	9/3/2002	19		EB	0	
4055	SFCD	360	326				FN	9/3/2002	19		WB	0	
4058	SFCD	360	270				FN	9/3/2002	19		WB	0	
4097	SFCD	360	310			981	FN	9/3/2002	19		EB	0	
4109	SFCD	360	432				FN	9/3/2002	19		EB	0	
4137	SFCD	360	366			782	FN	9/3/2002	19		EB	0	
4059	SFCD	361	310				FN	9/3/2002	19		WB	0	
4061	SFCD	362	388			993	FN	9/3/2002	19		WB	0	
4056	SFCD	364	328				FN	9/3/2002	19		WB	0	
4083	SFCD	368	352			990	FN	9/3/2002	19		EB	0	
4108	SFCD	368	394			976	FN	9/3/2002	19		EB	0	
4098	SFCD	370	424			980	FN	9/3/2002	19		EB	0	
4103	SFCD	372	222			978	FN	9/3/2002	19		EB	0	
4099	SFCD	375	350			979	FN	9/3/2002	19		EB	0	
4093	SFCD	380	370			984	FN	9/3/2002	19		EB	0	
4085	SFCD	381	436			988	FN	9/3/2002	19		EB	0	
4095	SFCD	382	354			983	FN	9/3/2002	19		EB	0	
4138	SFCD	383	310			783	FN	9/3/2002	19		EB	0	
4136	SFCD	388	514			781	FN	9/3/2002	19		EB	0	
4139	SFCD	389	430			784	FN	9/3/2002	19		EB	0	
4110	SFCD	390	424			776	FN	9/3/2002	19		EB	0	
4054	SFCD	397	476				FN	9/3/2002	19		WB	0	
4084	SFCD	398	438			989	FN	9/3/2002	19		EB	0	
4080	SFCD	400	696			991	FN	9/3/2002	19		EB	0	
4057	SFCD	409	498				FN	9/3/2002	19		WB	0	
4086	SFCD	430	638			987	FN	9/3/2002	19		EB	0	
4088	SFCD	452	646				FN	9/3/2002	19		EB	0	
65	STFL	148	22				FN	7/18/2002	1		EB	0	
66	STFL	150	42				FN	7/18/2002	1		EB	0	
123	STFL	150	45				FN	7/18/2002	1		WB	0	
40	STFL	160	68				FN	7/18/2002	1		EB	0	
41	STFL	165	50				FN	7/18/2002	1		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
33	STFL	168	62				FN	7/18/2002	1		EB	0	
89	STFL	180	76				FN	7/18/2002	1		EB	0	
38	STFL	193	102				FN	7/18/2002	1		EB	0	
91	STFL	195	96				FN	7/18/2002	1		EB	0	
88	STFL	206	108				FN	7/18/2002	1		EB	0	
80	STFL	212	84				FN	7/18/2002	1		EB	0	
15	STFL	224	165				FN	7/18/2002	1		EB	0	
83	STFL	250	184				FN	7/18/2002	1		EB	0	
22	STFL	255	205				FN	7/18/2002	1		EB	0	
84	STFL	260	264				FN	7/18/2002	1		EB	0	
28	STFL	265	215				FN	7/18/2002	1		EB	0	
36	STFL	265	242				FN	7/18/2002	1		EB	0	
100	STFL	270	245				FN	7/18/2002	1		WB	0	
18	STFL	273	250				FN	7/18/2002	1		EB	0	
76	STFL	280	222				FN	7/18/2002	1		EB	0	
85	STFL	280	302				FN	7/18/2002	1		EB	0	
98	STFL	281	270				FN	7/18/2002	1		WB	0	
69	STFL	283	256				FN	7/18/2002	1		EB	0	
86	STFL	283	208				FN	7/18/2002	1		EB	0	
16	STFL	285	270				FN	7/18/2002	1		EB	0	
23	STFL	285	260				FN	7/18/2002	1		EB	0	
34	STFL	285	264				FN	7/18/2002	1		EB	0	
20	STFL	287	280				FN	7/18/2002	1		EB	0	
77	STFL	293	340				FN	7/18/2002	1		EB	0	
68	STFL	295	216				FN	7/18/2002	1		EB	0	
71	STFL	296	270				FN	7/18/2002	1		EB	0	
19	STFL	298	280				FN	7/18/2002	1		EB	0	
70	STFL	299	324				FN	7/18/2002	1		EB	0	
13	STFL	306	330				FN	7/18/2002	1		EB	0	
24	STFL	307	360				FN	7/18/2002	1		EB	0	
82	STFL	308	350				FN	7/18/2002	1		EB	0	
96	STFL	308	420				FN	7/18/2002	1		WB	0	
21	STFL	314	390				FN	7/18/2002	1		EB	0	
8	STFL	318	450				FN	7/18/2002	1		EB	0	
78	STFL	320	298				FN	7/18/2002	1		EB	0	
27	STFL	328	495				FN	7/18/2002	1		EB	0	
75	STFL	332	448				FN	7/18/2002	1		EB	0	
11	STFL	334	385				FN	7/18/2002	1		EB	0	
9	STFL	337	440				FN	7/18/2002	1		EB	0	
79	STFL	337	430				FN	7/18/2002	1		EB	0	
7	STFL	357	435				FN	7/18/2002	1		EB	0	
73	STFL	367	658				FN	7/18/2002	1		EB	0	
72	STFL	368	530				FN	7/18/2002	1		EB	0	
14	STFL	384	615				FN	7/18/2002	1		EB	0	
97	STFL	385	980				FN	7/18/2002	1		WB	0	
74	STFL	428	1122				FN	7/18/2002	1		EB	0	
213	STFL	145	55				FN	7/19/2002	2		EB	0	
299	STFL	151	65				FN	7/19/2002	2		EB	1	
293	STFL	152	65				FN	7/19/2002	2		EB	1	
479	STFL	155					FN	7/19/2002	3		EB	0	
524	STFL	160					FN	7/19/2002	3		WB	0	
481	STFL	185					FN	7/19/2002	3		EB	0	
290	STFL	190	115				FN	7/19/2002	2		EB	1	
297	STFL	190	115				FN	7/19/2002	2		EB	1	
298	STFL	195	115				FN	7/19/2002	2		EB	1	
478	STFL	195					FN	7/19/2002	3		EB	0	
273	STFL	200	120				FN	7/19/2002	2		EB	1	
294	STFL	200	110				FN	7/19/2002	2		EB	1	
257	STFL	205	295				FN	7/19/2002	2		EB	1	
270	STFL	205	105				FN	7/19/2002	2		EB	1	
244	STFL	210	375				FN	7/19/2002	2		EB	1	
269	STFL	220	160				FN	7/19/2002	2		EB	1	
278	STFL	220	140				FN	7/19/2002	2		EB	1	
280	STFL	220	140				FN	7/19/2002	2		EB	1	
284	STFL	222	175				FN	7/19/2002	2		EB	1	
236	STFL	230	210				FN	7/19/2002	2		EB	0	
289	STFL	230	145				FN	7/19/2002	2		EB	1	
476	STFL	235					FN	7/19/2002	3		EB	0	
186	STFL	240	180				FN	7/19/2002	2		EB	0	
475	STFL	240					FN	7/19/2002	3		EB	0	
518	STFL	240					FN	7/19/2002	3		WB	0	
230	STFL	249	180				FN	7/19/2002	2		EB	0	
196	STFL	250	200				FN	7/19/2002	2		EB	0	
295	STFL	250	270				FN	7/19/2002	2		EB	1	
286	STFL	255	195				FN	7/19/2002	2		EB	1	
185	STFL	260	200				FN	7/19/2002	2		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
238	STFL	260	260				FN	7/19/2002	2		EB	0	
240	STFL	260	260				FN	7/19/2002	2		EB	0	
247	STFL	260	235				FN	7/19/2002	2		EB	1	
272	STFL	260	230				FN	7/19/2002	2		EB	1	
211	STFL	262	255				FN	7/19/2002	2		EB	0	
174	STFL	265	195				FN	7/19/2002	2		EB	0	
199	STFL	265	210				FN	7/19/2002	2		EB	0	
225	STFL	270	195				FN	7/19/2002	2		EB	0	
379	STFL	270					FN	7/19/2002	2		WB	0	
187	STFL	275	260				FN	7/19/2002	2		EB	0	
189	STFL	280	335				FN	7/19/2002	2		EB	0	
263	STFL	280	265				FN	7/19/2002	2		EB	1	
181	STFL	285	200				FN	7/19/2002	2		EB	0	
209	STFL	285	265				FN	7/19/2002	2		EB	0	
228	STFL	285	325				FN	7/19/2002	2		EB	0	
268	STFL	285	270				FN	7/19/2002	2		EB	1	
239	STFL	290	290				FN	7/19/2002	2		EB	0	
277	STFL	290	335				FN	7/19/2002	2		EB	1	
291	STFL	290	330				FN	7/19/2002	2		EB	1	
470	STFL	290					FN	7/19/2002	3		EB	0	
219	STFL	292	260				FN	7/19/2002	2		EB	0	
190	STFL	293	305				FN	7/19/2002	2		EB	0	
175	STFL	295	275				FN	7/19/2002	2		EB	0	
176	STFL	295	310				FN	7/19/2002	2		EB	0	
256	STFL	295	215				FN	7/19/2002	2		EB	1	
288	STFL	295	350				FN	7/19/2002	2		EB	1	
477	STFL	298					FN	7/19/2002	3		EB	0	
193	STFL	300	315				FN	7/19/2002	2		EB	0	
208	STFL	300	285				FN	7/19/2002	2		EB	0	
217	STFL	300	270				FN	7/19/2002	2		EB	0	
223	STFL	300	265				FN	7/19/2002	2		EB	0	
242	STFL	300	205				FN	7/19/2002	2		EB	1	
249	STFL	300	295				FN	7/19/2002	2		EB	1	
253	STFL	300	210				FN	7/19/2002	2		EB	1	
182	STFL	305	355				FN	7/19/2002	2		EB	0	
241	STFL	305	310				FN	7/19/2002	2		EB	0	
243	STFL	305	390				FN	7/19/2002	2		EB	1	
251	STFL	305	335				FN	7/19/2002	2		EB	1	
473	STFL	305					FN	7/19/2002	3		EB	0	
197	STFL	310	365				FN	7/19/2002	2		EB	0	
198	STFL	310	360				FN	7/19/2002	2		EB	0	
204	STFL	310	305				FN	7/19/2002	2		EB	0	
206	STFL	310	280				FN	7/19/2002	2		EB	0	
210	STFL	310	305				FN	7/19/2002	2		EB	0	
258	STFL	310	220				FN	7/19/2002	2		EB	1	
287	STFL	310	345				FN	7/19/2002	2		EB	1	
520	STFL	311					FN	7/19/2002	3		WB	0	
201	STFL	312	295				FN	7/19/2002	2		EB	0	
222	STFL	315	395				FN	7/19/2002	2		EB	0	
233	STFL	315	325				FN	7/19/2002	2		EB	0	
172	STFL	320	410				FN	7/19/2002	2		EB	0	
194	STFL	320	440				FN	7/19/2002	2		EB	0	
200	STFL	322	375				FN	7/19/2002	2		EB	0	
221	STFL	322	315				FN	7/19/2002	2		EB	0	
469	STFL	325					FN	7/19/2002	3		EB	0	
173	STFL	330	370				FN	7/19/2002	2		EB	0	
184	STFL	330	470				FN	7/19/2002	2		EB	0	
207	STFL	330	450				FN	7/19/2002	2		EB	0	
224	STFL	330	400				FN	7/19/2002	2		EB	0	
245	STFL	330	270				FN	7/19/2002	2		EB	1	
262	STFL	330	405				FN	7/19/2002	2		EB	1	
267	STFL	330	465				FN	7/19/2002	2		EB	1	
271	STFL	330	475				FN	7/19/2002	2		EB	1	
279	STFL	330	415				FN	7/19/2002	2		EB	1	
474	STFL	330					FN	7/19/2002	3		EB	0	
264	STFL	333	390				FN	7/19/2002	2		EB	1	
171	STFL	335	480				FN	7/19/2002	2		EB	0	
227	STFL	335	505				FN	7/19/2002	2		EB	0	
232	STFL	335	345				FN	7/19/2002	2		EB	0	
260	STFL	335	280				FN	7/19/2002	2		EB	1	
521	STFL	335					FN	7/19/2002	3		WB	0	
195	STFL	340	375				FN	7/19/2002	2		EB	0	
246	STFL	340	315				FN	7/19/2002	2		EB	1	
261	STFL	340	370				FN	7/19/2002	2		EB	1	
266	STFL	340	420				FN	7/19/2002	2		EB	1	
177	STFL	345	685				FN	7/19/2002	2		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
178	STFL	345	465				FN	7/19/2002	2		EB	0	
220	STFL	345	420				FN	7/19/2002	2		EB	0	
237	STFL	345	420				FN	7/19/2002	2		EB	0	
248	STFL	345	475				FN	7/19/2002	2		EB	1	
472	STFL	347					FN	7/19/2002	3		EB	0	
170	STFL	350	605				FN	7/19/2002	2		EB	0	
231	STFL	350	465				FN	7/19/2002	2		EB	0	
254	STFL	350	465				FN	7/19/2002	2		EB	1	
442	STFL	350					FN	7/19/2002	2		WB	0	
468	STFL	356					FN	7/19/2002	3		EB	0	
205	STFL	357	280				FN	7/19/2002	2		EB	0	
255	STFL	360	400				FN	7/19/2002	2		EB	1	
258	STFL	360	490				FN	7/19/2002	2		EB	1	
252	STFL	365	570				FN	7/19/2002	2		EB	1	
265	STFL	365	405				FN	7/19/2002	2		EB	1	
250	STFL	375	495				FN	7/19/2002	2		EB	1	
376	STFL	380	725				FN	7/19/2002	2		WB	0	
218	STFL	400	915				FN	7/19/2002	2		EB	0	
179	STFL	425	1055				FN	7/19/2002	2		EB	0	
183	STFL	445	1260				FN	7/19/2002	2		EB	0	
192	STFL	446	1280				FN	7/19/2002	2		EB	0	
556	STFL	255	290				GN	7/20/2002	PULLED	1	EAST	0	EAST OF FYKE NET
538	STFL	310	345				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
537	STFL	365	710				GN	7/20/2002	RUN #1	1	EAST	0	EAST OF FYKE NET
855	STFL	136	40				FN	7/21/2002	5		WB	0	
614	STFL	165	70				FN	7/21/2002	4		EB	0	
601	STFL	210	105				FN	7/21/2002	4		EB	0	
602	STFL	228	280				FN	7/21/2002	4		EB	0	
604	STFL	242	210				FN	7/21/2002	4		EB	0	
683	STFL	255	250				FN	7/21/2002	4		WB	0	
610	STFL	262	195				FN	7/21/2002	4		EB	0	
605	STFL	265	255				FN	7/21/2002	4		EB	0	
817	STFL	280	210				FN	7/21/2002	5		EB	0	
818	STFL	285	290				FN	7/21/2002	5		EB	0	
617	STFL	297	405				FN	7/21/2002	4		EB	0	
607	STFL	300	320				FN	7/21/2002	4		EB	0	
636	STFL	300	425				FN	7/21/2002	4		EB	0	
608	STFL	305	304				FN	7/21/2002	4		EB	0	
616	STFL	310	385				FN	7/21/2002	4		EB	0	
618	STFL	310	435				FN	7/21/2002	4		EB	0	
600	STFL	324	395				FN	7/21/2002	4		EB	0	
613	STFL	324	370				FN	7/21/2002	4		EB	0	
606	STFL	330	470				FN	7/21/2002	4		EB	0	
599	STFL	334	410				FN	7/21/2002	4		EB	0	
816	STFL	342	625				FN	7/21/2002	5		EB	0	
684	STFL	345	635				FN	7/21/2002	4		WB	0	
912	STFL	126	45				FN	7/22/2002	6		EB	0	
909	STFL	140	65				FN	7/22/2002	6		EB	0	
1226	STFL	150	85				FN	7/22/2002	7		EB	0	
1140	STFL	160	45				FN	7/22/2002	6		WB	0	
1227	STFL	160	85				FN	7/22/2002	7		EB	1	
1235	STFL	166	95				FN	7/22/2002	7		EB	0	
933	STFL	172	75				FN	7/22/2002	6		EB	0	
890	STFL	184	30				FN	7/22/2002	6		EB	0	
893	STFL	210	70				FN	7/22/2002	6		EB	0	
1268	STFL	210					FN	7/22/2002	7		WB	0	
1234	STFL	217	135				FN	7/22/2002	7		EB	0	
932	STFL	224	145				FN	7/22/2002	6		EB	0	
891	STFL	227	85				FN	7/22/2002	6		EB	0	
931	STFL	231	180				FN	7/22/2002	6		EB	0	
898	STFL	236	125				FN	7/22/2002	6		EB	0	
929	STFL	240	195				FN	7/22/2002	6		EB	0	
908	STFL	252	235				FN	7/22/2002	6		EB	0	
1223	STFL	276	285				FN	7/22/2002	7		EB	0	
1232	STFL	279	250				FN	7/22/2002	7		EB	1	
1224	STFL	293	250				FN	7/22/2002	7		EB	0	
1219	STFL	294	315				FN	7/22/2002	7		EB	0	
894	STFL	300	240				FN	7/22/2002	6		EB	0	
1218	STFL	308	420				FN	7/22/2002	7		EB	0	
1222	STFL	308	390				FN	7/22/2002	7		EB	0	
892	STFL	310	285				FN	7/22/2002	6		EB	0	
921	STFL	310	310				FN	7/22/2002	6		EB	0	
1221	STFL	310	430				FN	7/22/2002	7		EB	0	
895	STFL	320	325				FN	7/22/2002	6		EB	0	
897	STFL	326	135				FN	7/22/2002	6		EB	0	
1220	STFL	335	445				FN	7/22/2002	7		EB	0	
900	STFL	340	405				FN	7/22/2002	6		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
918	STFL	343	390				FN	7/22/2002	6		EB	0	
920	STFL	343	625				FN	7/22/2002	6		EB	0	
928	STFL	352	515				FN	7/22/2002	6		EB	0	
901	STFL	360	465				FN	7/22/2002	6		EB	0	
919	STFL	370	680				FN	7/22/2002	6		EB	0	
1233	STFL	373	695				FN	7/22/2002	7		EB	0	
927	STFL	478	1290				FN	7/22/2002	6		EB	0	
1270	STFL	32					BS	7/23/2002	1	1	WEST	0	WEST OF SEWAGE OUTFLOW
1269	STFL	80					BS	7/23/2002	1	1	WEST	0	WEST OF SEWAGE OUTFLOW
1298	STFL	85					BS	7/23/2002	H3	3	EAST	0	EAST OF FYKE NET
1320	STFL	185	50				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1318	STFL	210	136				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1277	STFL	255					GN	7/23/2002	RUN #1	2	WEST	0	WEST OF SEWAGE OUTFLOW
1321	STFL	255	246				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1317	STFL	285	298				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1276	STFL	286	282				GN	7/23/2002	RUN #1	2	WEST	0	WEST OF SEWAGE OUTFLOW
1319	STFL	290	248				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1316	STFL	308	310				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1275	STFL	310	416				GN	7/23/2002	RUN #1	2	WEST	0	WEST OF SEWAGE OUTFLOW
1315	STFL	320	412				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1290	STFL	331	528				GN	7/23/2002	RUN #2	3	EAST	0	WEST OF FYKE NET
1314	STFL	375	686				GN	7/23/2002	PULLED	2	WEST	0	WEST OF SEWAGE OUTFLOW
1289	STFL	410	774				GN	7/23/2002	RUN #2	3	EAST	0	WEST OF FYKE NET
1417	STFL	162					FN	7/24/2002	8		WB	0	
1354	STFL	176					FN	7/24/2002	8		EB	0	
1355	STFL	183					FN	7/24/2002	8		EB	0	
1334	STFL	260	202				GN	7/24/2002	RUN #1	3	WEST	0	WEST OF FYKE NET
1336	STFL	303	342				GN	7/24/2002	RUN #2	3	WEST	0	WEST OF FYKE NET
1356	STFL	400	694				FN	7/24/2002	8		EB	0	
1876	STFL	146					FN	7/25/2002	10		WB	0	
1762	STFL	157					FN	7/25/2002	9		WB	0	
1841	STFL	160					FN	7/25/2002	10		EB	0	
1771	STFL	162					FN	7/25/2002	9		WB	0	
1522	STFL	172					FN	7/25/2002	9		EB	0	
1870	STFL	176					FN	7/25/2002	10		WB	0	
1763	STFL	178					FN	7/25/2002	9		WB	0	
1542	STFL	192					FN	7/25/2002	9		EB	0	
1758	STFL	192					FN	7/25/2002	9		WB	0	
1612	STFL	194					FN	7/25/2002	9		EB	0	
1871	STFL	195					FN	7/25/2002	10		WB	0	
1528	STFL	196					FN	7/25/2002	9		EB	0	
1518	STFL	205					FN	7/25/2002	9		EB	0	
1611	STFL	206					FN	7/25/2002	9		EB	0	
1543	STFL	208					FN	7/25/2002	9		EB	0	
1784	STFL	212	88				GN	7/25/2002	PULLED	4	WEST	0	WEST OF CAMPGOUND
1764	STFL	215					FN	7/25/2002	9		WB	0	
1527	STFL	232					FN	7/25/2002	9		EB	0	
1616	STFL	232					FN	7/25/2002	9		EB	0	
1614	STFL	233					FN	7/25/2002	9		EB	0	
1537	STFL	242					FN	7/25/2002	9		EB	0	
1536	STFL	246					FN	7/25/2002	9		EB	0	
1610	STFL	254					FN	7/25/2002	9		EB	0	
1576	STFL	272					FN	7/25/2002	9		EB	0	
1776	STFL	280					GN	7/25/2002	RUN #1	4	WEST	0	WEST OF CAMPGOUND
1534	STFL	297					FN	7/25/2002	9		EB	0	
1539	STFL	298					FN	7/25/2002	9		EB	0	
1532	STFL	302					FN	7/25/2002	9		EB	0	
1575	STFL	302					FN	7/25/2002	9		EB	0	
1526	STFL	310					FN	7/25/2002	9		EB	0	
1519	STFL	312					FN	7/25/2002	9		EB	0	
1525	STFL	312					FN	7/25/2002	9		EB	0	
1520	STFL	321					FN	7/25/2002	9		EB	0	
1577	STFL	321					FN	7/25/2002	9		EB	0	
1530	STFL	332					FN	7/25/2002	9		EB	0	
1997	STFL	146					FN	7/26/2002	11		EB	0	
2036	STFL	157					FN	7/26/2002	11		WB	0	
1990	STFL	198					FN	7/26/2002	11		EB	0	
1982	STFL	200					FN	7/26/2002	11		EB	0	
1989	STFL	207					FN	7/26/2002	11		EB	0	
2035	STFL	210					FN	7/26/2002	11		WB	0	
1993	STFL	212					FN	7/26/2002	11		EB	0	
1991	STFL	224					FN	7/26/2002	11		EB	0	
1975	STFL	225					FN	7/26/2002	11		EB	0	
1981	STFL	227					FN	7/26/2002	11		EB	0	
1988	STFL	233					FN	7/26/2002	11		EB	0	
1977	STFL	242					FN	7/26/2002	11		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
1976	STFL	246					FN	7/26/2002	11		EB	0	
1980	STFL	268					FN	7/26/2002	11		EB	0	
1992	STFL	270					FN	7/26/2002	11		EB	0	
1979	STFL	296					FN	7/26/2002	11		EB	0	
1983	STFL	304					FN	7/26/2002	11		EB	0	
1978	STFL	307					FN	7/26/2002	11		EB	0	
1985	STFL	309					FN	7/26/2002	11		EB	0	
1994	STFL	314					FN	7/26/2002	11		EB	0	
1984	STFL	323					FN	7/26/2002	11		EB	0	
1974	STFL	332					FN	7/26/2002	11		EB	0	
1987	STFL	334					FN	7/26/2002	11		EB	0	
3094	STFL	213					FN	8/29/2002	12		EB	0	
3099	STFL	237					FN	8/29/2002	12		EB	0	
3118	STFL	243					FN	8/29/2002	12		WB	0	
3096	STFL	258					FN	8/29/2002	12		EB	0	
3097	STFL	327					FN	8/29/2002	12		EB	0	
3088	STFL	397					FN	8/29/2002	12		EB	0	
3296	STFL	142					BS	8/30/2002	H2	9	WEST	0	WEST OF FYKE NET
3277	STFL	157	46				FN	8/30/2002	13		WB	0	
3201	STFL	240	208				FN	8/30/2002	13		EB	0	
3206	STFL	240	164				FN	8/30/2002	13		EB	0	
3340	STFL	242	214				FN	8/30/2002	14		EB	0	
3204	STFL	247	200				FN	8/30/2002	13		EB	0	
3207	STFL	250	172				FN	8/30/2002	13		EB	0	
3276	STFL	262	230				FN	8/30/2002	13		WB	0	
3135	STFL	280	248				FN	8/30/2002	13		EB	0	
3198	STFL	286	316				FN	8/30/2002	13		EB	0	
3158	STFL	305	450				FN	8/30/2002	13		EB	0	
3157	STFL	308	382				FN	8/30/2002	13		EB	0	
3199	STFL	320	442				FN	8/30/2002	13		EB	0	
3200	STFL	320	358				FN	8/30/2002	13		EB	0	
3205	STFL	320	338				FN	8/30/2002	13		EB	0	
3131	STFL	330	442				FN	8/30/2002	13		EB	0	
3272	STFL	332	196				FN	8/30/2002	13		WB	0	
3133	STFL	337	488				FN	8/30/2002	13		EB	0	
3130	STFL	340	606				FN	8/30/2002	13		EB	0	
3336	STFL	340	464				FN	8/30/2002	14		EB	0	
3338	STFL	345	634				FN	8/30/2002	14		EB	0	
3208	STFL	352	622				FN	8/30/2002	13		EB	0	
3134	STFL	357	178				FN	8/30/2002	13		EB	0	
3202	STFL	368	900				FN	8/30/2002	13		EB	0	
3129	STFL	400	1020				FN	8/30/2002	13		EB	0	
3534	STFL	193					FN	8/31/2002	15		WB	0	
3432	STFL	212	246				FN	8/31/2002	15		EB	0	
3528	STFL	212					FN	8/31/2002	15		WB	0	
3416	STFL	230	144				FN	8/31/2002	15		EB	0	
3423	STFL	244	152				FN	8/31/2002	15		EB	0	
3410	STFL	252	192				FN	8/31/2002	15		EB	0	
3457	STFL	259	252				FN	8/31/2002	15		EB	0	
3402	STFL	267	347				FN	8/31/2002	15		EB	0	
3486	STFL	272	252				FN	8/31/2002	15		EB	0	
3430	STFL	284	186				FN	8/31/2002	15		EB	0	
3482	STFL	284	272				FN	8/31/2002	15		EB	0	
3460	STFL	291	228				FN	8/31/2002	15		EB	0	
3442	STFL	296	238				FN	8/31/2002	15		EB	0	
3459	STFL	300	424				FN	8/31/2002	15		EB	0	
3483	STFL	301	166				FN	8/31/2002	15		EB	0	
3408	STFL	311	392				FN	8/31/2002	15		EB	0	
3414	STFL	311	260				FN	8/31/2002	15		EB	0	
3422	STFL	312	270				FN	8/31/2002	15		EB	0	
3485	STFL	315	396				FN	8/31/2002	15		EB	0	
3555	STFL	317					GN	8/31/2002	PULLED	5	WEST	0	WEST OF FYKE NET
3411	STFL	325	464				FN	8/31/2002	15		EB	0	
3484	STFL	332	284				FN	8/31/2002	15		EB	0	
3403	STFL	334	448				FN	8/31/2002	15		EB	0	
3480	STFL	342	534				FN	8/31/2002	15		EB	0	
3415	STFL	350	602				FN	8/31/2002	15		EB	0	
3458	STFL	350	458				FN	8/31/2002	15		EB	0	
3406	STFL	351	504				FN	8/31/2002	15		EB	0	
3481	STFL	353	704				FN	8/31/2002	15		EB	0	
3421	STFL	355	143				FN	8/31/2002	15		EB	0	

Table E-1 Raw data for fish captured in the Coronation Gulf near Kugluktuk, Nunvavut, 2002.

Sample	Species	Fork Length	Weight	Sex	Floy Tag Col.	Floy Tag No.	Capture Meth.	Date	Trap Ck. #	Site	Location	Capture Code	Comments
3476	STFL	355	704				FN	8/31/2002	15		EB	0	
3455	STFL	357	114				FN	8/31/2002	15		EB	0	
3412	STFL	359	304				FN	8/31/2002	15		EB	0	
3453	STFL	364	428				FN	8/31/2002	15		EB	0	
3407	STFL	368	774				FN	8/31/2002	15		EB	0	
3428	STFL	402	1118				FN	8/31/2002	15		EB	0	
3456	STFL	412	846				FN	8/31/2002	15		EB	0	
3454	STFL	464	1738				FN	8/31/2002	15		EB	0	
3628	STFL	165					FN	9/1/2002	16		EB	0	
3694	STFL	170					FN	9/1/2002	16		WB	0	
3620	STFL	173					FN	9/1/2002	16		EB	0	
3691	STFL	207					FN	9/1/2002	16		WB	0	
3692	STFL	207					FN	9/1/2002	16		WB	0	
3624	STFL	210					FN	9/1/2002	16		EB	0	
3847	STFL	211					FN	9/1/2002	17		WB	0	
3623	STFL	232					FN	9/1/2002	16		EB	0	
3621	STFL	240					FN	9/1/2002	16		EB	0	
3629	STFL	261					FN	9/1/2002	16		EB	0	
3690	STFL	265					FN	9/1/2002	16		WB	0	
3626	STFL	297					FN	9/1/2002	16		EB	0	
3622	STFL	312					FN	9/1/2002	16		EB	0	
3617	STFL	315					FN	9/1/2002	16		EB	0	
3625	STFL	316					FN	9/1/2002	16		EB	0	
3619	STFL	342					FN	9/1/2002	16		EB	0	
3618	STFL	356					FN	9/1/2002	16		EB	0	
3627	STFL	360					FN	9/1/2002	16		EB	0	
3985	STFL	210					FN	9/2/2002	18		EB	0	
3889	STFL	238					FN	9/2/2002	18		WB	0	
3986	STFL	255					FN	9/2/2002	18		EB	0	
3945	STFL	262					FN	9/2/2002	18		EB	0	
3991	STFL	316					FN	9/2/2002	18		EB	0	
3880	STFL	317					FN	9/2/2002	18		WB	0	
3983	STFL	324					FN	9/2/2002	18		EB	0	
4071	STFL	203	158				FN	9/3/2002	19		WB	0	
4073	STFL	206	82				FN	9/3/2002	19		WB	0	
4147	STFL	234	158				FN	9/3/2002	19		EB	0	
4112	STFL	242	192				FN	9/3/2002	19		EB	0	
4146	STFL	254	198				FN	9/3/2002	19		EB	0	
4119	STFL	272	192				FN	9/3/2002	19		EB	0	
4068	STFL	275	256				FN	9/3/2002	19		WB	0	
4121	STFL	275	316				FN	9/3/2002	19		EB	0	
4120	STFL	280	232				FN	9/3/2002	19		EB	0	
4111	STFL	322	478				FN	9/3/2002	19		EB	0	
4143	STFL	335	420				FN	9/3/2002	19		EB	0	
4145	STFL	356	514				FN	9/3/2002	19		EB	0	

Species: For a list of species codes see Table 7.1

Explanation of Codes:

Sex:

1 = male; immature, never spawned before and will not spawn during the coming season
2 = male; maturity questionable due to small gonad size
3 = male; developing, never spawned before but will spawn during the coming season
4 = male; definite gonad development, has spawned before
5 = male; definite gonad development, has spawned before but will not spawn during the coming season
7 = male; gravid, fully developed
8 = male; ripe, milt is extruded by slight pressure on the belly
9 = male; spent, spawning completed but residual milt still present
10 = male; determined by external characteristics
11 = female; immature, never spawned before and will not spawn during the coming season
12 = female; maturity questionable due to small gonad size
13 = female; developing, never spawned before but will spawn during the coming season
14 = female; definite gonad development, has spawned before
15 = female; definite gonad development, has spawned before but will not spawn during the coming season
16 = female; definite gonad development, cannot be determined if it is 13, 14 or 15
17 = female; gravid, fully developed
18 = female; ripe, roe are extruded by slight pressure on the belly
19 = female; spent, spawning completed, resorbtion of residual eggs not yet completed
20 = female; determined by external characteristics

EB = eastbound
WB = westbound

Capture codes: 0 = first capture, released
1 = first capture, sacrificed or capture mortality

Capture method:

FN = fyke net
GN = gill net
BS = beach seine
RND = released no data