

Attachment X.IX. Fish Capture and Fish Health

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Table X.IX-1
External and Internal Health Information of Fish Captured During the Community Survey, 2007

Sub-Basin	Waterbody	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure ^(d)	Length (mm)	Total Body Weight (g)	K	Assessment Type	Body Deformities	Eyes	Gills	Fins
Willow Lake	Pointer Lake	ARGR	AKS07FPRLARGR001	25-Aug-07	PRL-GN1	unknown	juvenile	unknown	fin ray	126	20	1.00	full	none	normal	normal	normal
			AKS07FPRLARGR002			unknown	adult	unknown	fin ray	260	250	1.42	external	none	normal	normal	normal
		CISC	AKS07FPRLCISC001		PRL-GN2	unknown	adult	unknown	scales	304	425	1.51	external	none	normal	normal	normal
		LKTR	AKS07FPRLLKTR001			unknown	adult	unknown	fin ray	712	4,000	1.11	external	none	blind in both eyes	normal	normal
		NNST	AKS07FPRLNNST001	24-Aug-07	PRL-MT1	unknown	unknown	unknown	no structure taken	49	2	1.70	external	none	normal	normal	normal
			AKS07FPRLNNST002		PRL-MT5	unknown	unknown	unknown	no structure taken	56	2	1.14	external	none	normal	normal	normal
			AKS07FPRLNNST003	25-Aug-07	PRL-MT1	unknown	unknown	unknown	no structure taken	63	2	0.80	external	none	normal	normal	normal
			AKS07FPRLNNST004		PRL-MT5	unknown	unknown	unknown	no structure taken	56	2	1.14	external	none	normal	normal	normal
			AKS07FPRLNNST005	26-Aug-07		unknown	unknown	unknown	no structure taken	62	2	0.84	external	none	normal	normal	normal
	Sik Sik Lake		AKS07FSSLNNST001	24-Aug-07	SSL-MT5	unknown	adult	unknown	no structure taken	56	2.3	1.31	external	none	normal	normal	normal
			AKS07FSSLNNST002			unknown	adult	unknown	no structure taken	64	2.1	0.80	external	none	normal	normal	normal
			AKS07FSSLNNST003		SSL-MT6	unknown	adult	unknown	no structure taken	67	1.9	0.63	external	none	normal	normal	normal
	Willow Lake	ARGR	AKS07FWILARGR001	28-Aug-07	WIL-GN2	unknown	adult	unknown	fin ray	240	200	1.45	external	none	normal	normal	normal
Lower Lake	End Grid Lake	ARGR	AKS07FEGLARGR001	28-Aug-07	EGL-MT6	unknown	juvenile	unknown	no structure taken	65	2.8	1.02	external	none	normal	normal	normal
			AKS07FEGLARGR002		EGL-MT4	unknown	juvenile	unknown	no structure taken	66	3.5	1.22	external	none	normal	normal	normal
			AKS07FEGLARGR003		EGL-MT1	unknown	juvenile	unknown	no structure taken	57	2.5	1.35	external	none	normal	normal	normal
	Andrew Lake	BURB	AKS07FANLBURB001	27-Aug-07	ANL-MT1	unknown	juvenile	unknown	no structure taken	70	4	1.17	external	none	normal	normal	normal
	Lower Lake	ARGR	AKS07FLWLARGR001	29-Aug-07	LWL-GN1	unknown	juvenile	unknown	no structure taken	118	14	0.85	external	none	normal	normal	normal
			AKS07FLWLARGR002		LWL-GN3	unknown	juvenile	unknown	no structure taken	116	16	1.03	external	none	normal	normal	normal
Caribou Lake	Cirque Lake	NNST	AKS07FCQLNNST001	1-Sep-07	CQL-MT1	unknown	adult	unknown	no structure taken	50	2	1.60	external	none	normal	normal	normal
			AKS07FCQLNNST002			unknown	adult	unknown	no structure taken	65	4	1.46	external	none	normal	normal	normal
			AKS07FCQLNNST003		CQL-MT2	unknown	adult	unknown	no structure taken	52	2	1.42	external	none	normal	normal	normal
			AKS07FCQLNNST004			unknown	adult	unknown	no structure taken	60	2	0.93	external	none	normal	normal	normal
			AKS07FCQLNNST005			unknown	adult	unknown	no structure taken	55	4	2.40	external	none	normal	normal	normal
			AKS07FCQLNNST006			unknown	adult	unknown	no structure taken	55	2	1.20	external	none	normal	normal	normal
			AKS07FCQLNNST007			unknown	adult	unknown	no structure taken	45	1	1.10	external	none	normal	normal	normal
	Crash Lake	ARGR	AKS07FCRLARGR001	31-Aug-07	CRL-MT2	unknown	juvenile	unknown	no structure taken	70	4	1.17	external	none	normal	normal	normal
			AKS07FCRLARGR002		CRL-MT3	unknown	juvenile	unknown	no structure taken	72	4	1.07	external	none	normal	normal	normal

Table X.IX-1
External and Internal Health Information of Fish Captured During the Community Survey, 2007

Sample ID ^(a)	Opercle	Pseudobrachs	Skin	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasites Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesentariic Fat	Stomach Contents	Capture/Release
AKS07FPRLARGR001	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	<50% of GI tract	empty	first capture, sacrificed
AKS07FPRLARGR002	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FPRLCISC001	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FPRLLKTR001	normal	normal	minor aberrations	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FPRLNNST001	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FPRLNNST002	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FPRLNNST003	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FPRLNNST004	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FPRLNNST005	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FSSLNNST001	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FSSLNNST002	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FSSLNNST003	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FWILARGR001	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FEGLARGR001	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FEGLARGR002	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FEGLARGR003	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FANLBURB001	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FLWLARGR001	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FLWLARGR002	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FCQLNNST001	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FCQLNNST002	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FCQLNNST003	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FCQLNNST004	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FCQLNNST005	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FCQLNNST006	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FCQLNNST007	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FCRLARGR001	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS07FCRLARGR002	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released

^(a) = Sample identification (ID) format was client code (three letters), year (two digits), season code (one letter), waterbody code (three letters), species code (four letters), and fish number (three digits).

^(b) = Date format was day-month-year.

^(c) = Station name included waterbody code, fishing method and effort.

^(d) = Age structures collected were not submitted for ageing.

ARGR = Arctic grayling; BURB = burbot; CISC = cisco; LKTR = lake trout; NNST = Ninespine stickleback; mm = millimetre; g = gram; K = condition factor; Aug = August; Sep = September; < = less than; % = percent; GI = gastro-intestinal; - = not analyzed or collected.

Table X.IX-2
External Health Information of Fish Captured During the Arctic Grayling Spawning Survey, 2008

Sub-Basin	Watercourse	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	K	Health Assessment	Body Deformities	
Willow Lake	Northeast Inflow of Pointer Lake	NNST	AKS08PNEPLSNNST001	17-Jun-08	NEPLS-BP01-P08	unknown	juvenile	unknown	no structure taken	-	27	-	-	external	none	
			AKS08PNEPLSNNST002			unknown	juvenile	unknown	no structure taken	-	37	-	-	external	none	
	Northwest Inflow of Pointer Lake	LKTR	AKS08PNWPLSLKTR001	24-Jun-08	NWPLS-AN01-P08	unknown	unknown	unknown	fin ray	-	645	2810	1.05	external	deformity/congenital	
			AKS08PNWPLSLKTR002			unknown	unknown	unknown	fin ray	-	580	2310	1.18	external	none	
Lower Lake	Mushroom/End Grid Stream		LKTR	AKS08PMSEGLKTR001	23-Jun-08	MSEGS-BP01-P08	unknown	unknown	unknown	fin ray	-	482	1310	1.17	external	none
				AKS08PMSEGLKTR002			unknown	unknown	unknown	fin ray	-	398	730	1.16	external	none
	Shack/Lower Stream	AKS08PSHLWSLKTR001		20-Jun-08	SHLWS-AN01-P08	unknown	unknown	unknown	fin ray	-	690	2930	0.89	external	none	
		AKS08PSHLWSLKTR002				unknown	unknown	unknown	fin ray	-	580	2350	1.20	external	none	
		Lower/Judge Sissons Stream	AKS08PLWJSSLKTR001		LWJSS-AN01-P08	unknown	adult	unknown	fin ray	-	660	2590	0.90	external	none	
			AKS08PLWJSSLKTR002			unknown	adult	unknown	fin ray	-	670	2630	0.87	external	none	
			AKS08PLWJSSLKTR003			unknown	adult	unknown	fin ray	-	585	2050	1.02	external	none	
			AKS08PLWJSSLKTR004			unknown	adult	unknown	fin ray	-	560	2150	1.22	external	none	
	AKS08PLWJSSLKTR005		unknown			adult	unknown	fin ray	-	720	4580	1.23	external	none		
	AKS08PLWJSSLKTR006		unknown			adult	unknown	fin ray	-	690	2810	0.86	external	none		
Caribou Lake	Calf/Judge Sissons Stream	ARGR	AKS08PCFJSSARGR001	24-Jun-08	CFJSS-BP01-P08	unknown	adult	unknown	scales	4	220	170	1.60	external	none	
		LKTR	22-Jun-08	CFJSS-AN01-P08	unknown	unknown	unknown	fin ray	-	560	1980	1.13	external	none		
					unknown	unknown	unknown	fin ray	-	520	1600	1.14	external	none		
					unknown	unknown	unknown	fin ray	-	605	2350	1.06	external	none		
					unknown	unknown	unknown	fin ray	-	565	2240	1.24	external	none		
					unknown	unknown	unknown	fin ray	-	470	1230	1.18	external	none		
					unknown	unknown	unknown	fin ray	-	550	1690	1.02	external	none		

Table X.IX-2
External Health Information of Fish Captured During the Arctic Grayling Spawning Survey, 2008

Sample ID ^(a)	Eyes	Gills	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Capture/Release
AKS08PNEPLSNNST001	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PNEPLSNNST002	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PNWPLSLKTR001	normal	normal	other-clubbed	normal	normal	normal	normal	normal	none	first capture, released
AKS08PNWPLSLKTR002	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PMSEGSLKTR001	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PMSEGSLKTR002	normal	normal	minor erosion	normal	normal	normal	normal	normal	none	first capture, released
AKS08PSHLWSLKTR001	normal	normal	normal	normal	normal	minor aberrations	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08PSHLWSLKTR002	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PLWJSSLKTR001	normal	normal	normal	normal	normal	normal	normal	normal	minor infestation-leech on skin	first capture, released
AKS08PLWJSSLKTR002	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PLWJSSLKTR003	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PLWJSSLKTR004	normal	normal	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08PLWJSSLKTR005	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PLWJSSLKTR006	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PCFJSSARGR001	normal	normal	severe erosion	normal	normal	moderate aberrations	normal	normal	none	first capture, released
AKS08PCFJSSLKTR001	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PCFJSSLKTR002	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PCFJSSLKTR003	normal	normal	normal	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	first capture, released
AKS08PCFJSSLKTR004	normal	normal	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08PCFJSSLKTR005	normal	other-gill racker detached	normal	moderate shortening	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08PCFJSSLKTR006	normal	normal	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released

Notes: Fin ray age structures were deamed inconclusive by the sub-contractor.
^(a) = Sample Identification (ID) format was client code (three letters), year (two digits), season code (one letter), waterbody code (three to five letters), species code (four letters), and fish number (three digits).
^(b) = Date format was day-month-year.
^(c) = Station name included three lettter waterbody code, fishing method and effort code-season code and year.
NNST = Ninespine stickleback; LKTR = lake trout; ARGR = Arctic grayling; mm = millimetre; g = gram; K = condition factor; Jun = June; - = not analyzed or collected.

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	Liver Weight (g)	Whole Gonad Weight (g)	K	LSI	GSI	Health Assessment	Body Deformities	Eyes	Gills
Willow Lake	Pointer Lake	ARGR	AKS08UPRLARGR001	31-Jul-08	PRL-GN02-U08	unknown	juvenile	immature	scales + otoliths	3	200	90	-	-	1.13	-	-	full	none	normal	normal
			AKS08UPRLARGR002			unknown	juvenile	immature	scales + otoliths	3	192	80	-	-	1.13	-	-	full	none	normal	normal
			AKS08UPRLARGR003			unknown	juvenile	immature	scales + otoliths	4	224	160	-	-	1.42	-	-	full	none	normal	normal
			AKS08UPRLARGR004			male	juvenile	maturing	scales + otoliths	4	200	110	-	-	1.38	-	-	full	none	normal	normal
			AKS08UPRLARGR005			male	adult	seasonal development	scales + otoliths	5	274	250	1.83	0.28	1.22	0.73	0.11	full	none	normal	normal
			AKS08UPRLARGR006			female	adult	seasonal development	scales + otoliths	4	292	290	2.92	2.62	1.16	1.01	0.90	full	none	normal	normal
			AKS08UPRLARGR007			male	adult	seasonal development	scales + otoliths	5	318	500	4.24	4.18	1.55	0.85	0.84	full	none	normal	normal
			AKS08UPRLARGR008			male	adult	seasonal development	scales + otoliths	5	294	330	2.56	3.06	1.30	0.78	0.93	full	none	normal	normal
			AKS08UPRLARGR009			female	adult	seasonal development	scales + otoliths	5	260	240	2.34	1.11	1.37	0.98	0.46	full	none	normal	normal
			AKS08UPRLARGR010			unknown	juvenile	immature	scales + otoliths	3	190	100	-	-	1.46	-	-	full	none	normal	normal
			AKS08UPRLARGR011			male	juvenile	maturing	scales + otoliths	3	202	120	-	-	1.46	-	-	full	none	normal	normal
			AKS08UPRLARGR012			unknown	juvenile	immature	scales + otoliths	3	208	110	-	-	1.22	-	-	full	none	normal	normal
			AKS08UPRLARGR013			unknown	juvenile	immature	scales + otoliths	3	204	110	-	-	1.30	-	-	full	none	normal	normal
			AKS08UPRLARGR014			unknown	juvenile	immature	scales + otoliths	3	184	80	-	-	1.28	-	-	full	none	normal	normal
		CISC	AKS08UPRLCISC001		PRL-GN01-U08	unknown	juvenile	immature	scales + otoliths	-	168	70	-	-	1.48	-	-	full	none	normal	normal
			AKS08UPRLCISC002			female	adult	seasonal development	scales + otoliths	-	256	250	3.08	1.57	1.49	1.23	0.63	full	none	normal	normal
			AKS08UPRLCISC003		PRL-GN02-U08	unknown	juvenile	unknown	no structure taken	-	160	-	-	-	-	-	-	external	none	normal	normal
			AKS08UPRLCISC004			unknown	juvenile	unknown	no structure taken	-	140	-	-	-	-	-	-	external	none	normal	normal
			AKS08UPRLCISC005		PRL-GN01-U08	unknown	juvenile	unknown	no structure taken	-	140	-	-	-	-	-	-	external	none	normal	normal
			AKS08UPRLCISC006			unknown	juvenile	immature	scales + otoliths	-	170	60	-	-	1.22	-	-	full	none	normal	normal
			AKS08UPRLCISC007			unknown	juvenile	immature	scales + otoliths	-	166	50	-	-	1.09	-	-	full	none	normal	normal
			AKS08UPRLCISC008			unknown	juvenile	immature	scales + otoliths	-	160	50	-	-	1.22	-	-	full	none	normal	normal
			AKS08UPRLCISC009			unknown	juvenile	immature	scales + otoliths	-	168	60	-	-	1.27	-	-	full	none	normal	normal
			AKS08UPRLCISC010			unknown	juvenile	immature	scales + otoliths	-	158	50	-	-	1.27	-	-	full	none	normal	normal
			AKS08UPRLCISC011			unknown	juvenile	immature	scales + otoliths	-	160	50	-	-	1.22	-	-	full	none	normal	normal
			AKS08UPRLCISC012			unknown	juvenile	immature	scales + otoliths	-	169	40	-	-	0.83	-	-	full	none	normal	normal
			AKS08UPRLCISC013			unknown	juvenile	immature	scales + otoliths	-	160	30	-	-	0.73	-	-	full	none	normal	normal
			AKS08UPRLCISC014			unknown	juvenile	immature	scales + otoliths	-	161	40	-	-	0.96	-	-	full	none	normal	normal
			AKS08UPRLCISC015			unknown	juvenile	immature	scales + otoliths	-	164	40	-	-	0.91	-	-	full	none	normal	normal
			AKS08UPRLCISC016			unknown	juvenile	immature	scales + otoliths	-	162	30	-	-	0.71	-	-	full	none	normal	normal
			AKS08UPRLCISC017			unknown	juvenile	immature	scales + otoliths	-	158	30	-	-	0.76	-	-	full	none	normal	normal
			AKS08UPRLCISC018			unknown	juvenile	immature	scales + otoliths	-	230	100	-	-	0.82	-	-	full	none	normal	normal
			AKS08UPRLCISC019			male	adult	seasonal development	scales + otoliths	-	320	390	6.13	4.61	1.19	1.57	1.18	full	none	normal	normal
			AKS08UPRLCISC020			male	adult	seasonal development	scales + otoliths	-	322	490	6.01	6.54	1.47	1.23	1.33	full	none	normal	normal
			AKS08UPRLCISC021			unknown	juvenile	immature	scales + otoliths	-	150	30	-	-	0.89	-	-	full	none	normal	normal
			AKS08UPRLCISC022			unknown	juvenile	immature	scales + otoliths	-	154	40	-	-	1.10	-	-	full	none	normal	normal
			AKS08UPRLCISC023		PRL-GN02-U08	female	juvenile	immature	scales + otoliths	-	156	60	-	-	1.58	-	-	full	none	normal	normal
			AKS08UPRLCISC024			male	juvenile	maturing	scales + otoliths	-	156	40	-	-	1.05	-	-	full	none	normal	normal
			AKS08UPRLCISC025			unknown	juvenile	immature	scales + otoliths	-	162	50	-	-	1.18	-	-	full	none	normal	normal
			AKS08UPRLCISC026			unknown	juvenile	immature	scales + otoliths	-	156	60	-	-	1.58	-	-	full	none	normal	normal
			AKS08UPRLCISC027			unknown	juvenile	immature	scales + otoliths	-	200	90	-	-	1.13	-	-	full	none	normal	normal
			AKS08UPRLCISC028			unknown	juvenile	immature	scales + otoliths	-	188	80	-	-	1.20	-	-	full	none	normal	normal
			AKS08UPRLCISC029			male	adult	seasonal development	scales + otoliths	-	334	540	-	-	1.45	-	-	full	none	normal	normal
		LKTR	AKS08UPRLLKTR001		PRL-GN01-U08	male	adult	maturing	otoliths + fin ray	14	484	1150	9.5	1.18	1.01	0.83	0.10	full	none	blind in right eye	normal
			AKS08UPRLLKTR002			unknown	juvenile	immature	otoliths + fin ray	12	434	950	-	-	1.16	-	-	full	none	normal	normal
			AKS08UPRLLKTR003			male	juvenile	maturing	otoliths + fin ray	13	420	1030	-	-	1.39	-	-	full	none	normal	normal
			AKS08UPRLLKTR004			female	adult	seasonal development	otoliths + fin ray	35	614	2370	39.89	20.34	1.02	1.68	0.86	full	none	normal	normal

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	Liver Weight (g)	Whole Gonad Weight (g)	K	LSI	GSI	Health Assessment	Body Deformities	Eyes	Gills
Willow Lake	Rock Lake	ARGR	AKS08UROLARGR001	30-Jul-08	ROL-GN01-U08	unknown	juvenile	immature	scales + otoliths	2	168	50	-	-	1.05	-	-	full	none	normal	normal
			AKS08UROLARGR002			unknown	juvenile	immature	scales + otoliths	2	154	40	-	-	1.10	-	-	full	none	normal	normal
			AKS08UROLARGR003			unknown	juvenile	unknown	no structure taken	-	160	-	-	-	-	-	-	external	none	normal	normal
			AKS08UROLARGR004			unknown	juvenile	unknown	no structure taken	-	155	-	-	-	-	-	-	external	none	normal	normal
			AKS08UROLARGR005			unknown	juvenile	immature	no structure taken	-	170	-	-	-	-	-	-	external	none	normal	normal
			AKS08UROLARGR006			unknown	juvenile	immature	scales + otoliths	2	156	50	-	-	1.32	-	-	full	none	normal	normal
			AKS08UROLARGR007			unknown	juvenile	unknown	no structure taken	-	160	-	-	-	-	-	-	external	none	normal	normal
			AKS08UROLARGR008			unknown	juvenile	unknown	no structure taken	-	160	-	-	-	-	-	-	external	none	normal	normal
			AKS08UROLARGR009			unknown	juvenile	unknown	no structure taken	-	150	-	-	-	-	-	-	external	none	normal	normal
			AKS08UROLARGR010			unknown	juvenile	unknown	no structure taken	-	75	-	-	-	-	-	-	external	none	normal	normal
Lower Lake	Mushroom Lake	ARGR	AKS08UMSLARGR001	24-Jul-08	MSL-AN01-U08	male	adult	seasonal development	scales + fin ray	8	334	450	2.96	1.80	1.21	0.66	0.40	full	none	normal	normal
			AKS08UMSLARGR002		MSL-GN03-U08	male	adult	seasonal development	scales + fin ray	9	360	550	4.14	5.51	1.18	0.75	1.00	full	none	normal	normal
			AKS08UMSLARGR003			female	adult	seasonal development	scales + fin ray	7	324	480	4.67	4.37	1.41	0.97	0.91	full	none	normal	normal
			AKS08UMSLARGR004			female	adult	seasonal development	scales + fin ray	8	329	450	2.68	4.59	1.26	0.60	1.02	full	none	normal	normal
			AKS08UMSLARGR005			male	adult	seasonal development	scales + fin ray	9	350	530	4.58	4.48	1.24	0.86	0.85	full	none	normal	normal
		LKTR	AKS08UMSLKTR001	23-Jul-08	MSL-GN01-U08	unknown	adult	unknown	fin ray	-	560	2240	-	-	1.28	-	-	external	none	normal	normal
			AKS08UMSLKTR002			unknown	adult	unknown	fin ray	-	498	1570	-	-	1.27	-	-	external	none	normal	normal
			AKS08UMSLKTR003			female	adult	seasonal development	fin ray	-	758	5450	114.33	414.49	1.25	2.10	7.61	full	none	normal	normal
			AKS08UMSLKTR004			male	adult	seasonal development	fin ray	-	460	1080	9.58	44.54	1.11	0.89	4.12	full	none	normal	normal
			AKS08UMSLKTR005			female	adult	seasonal development	fin ray	-	452	1050	12.22	15.00	1.14	1.16	1.43	full	none	normal	normal
			AKS08UMSLKTR006			female	adult	maturing	fin ray	-	420	810	10.08	14.76	1.09	1.24	1.82	full	none	normal	normal
			AKS08UMSLKTR007			male	adult	seasonal development	fin ray	-	476	1080	6.41	36.62	1.00	0.59	3.39	full	none	normal	normal
			AKS08UMSLKTR008	24-Jul-08	MSL-GN02-U08	unknown	adult	unknown	fin ray	-	570	2430	-	-	1.31	-	-	external	none	normal	normal
			AKS08UMSLKTR009		MSL-GN02-U08	unknown	adult	unknown	fin ray	-	606	2710	-	-	1.22	-	-	external	none	normal	normal
			AKS08UMSLKTR010		MSL-GN03-U08	male	adult	maturing	fin ray	-	404	690	-	-	1.05	-	-	full	none	normal	normal
			AKS08UMSLRNWH001		MSL-GN02-U08	female	adult	maturing	scales	9	322	410	2.55	5.89	1.23	0.62	1.44	full	none	normal	normal
		RNWH	AKS08UMSLRNWH002		MSL-GN03-U08	male	adult	maturing	scales	10	387	620	3.22	11.93	1.07	0.52	1.92	full	none	normal	normal
			AKS08UMSLRNWH003			male	adult	seasonal development	scales	11	343	460	3.71	9.11	1.14	0.81	1.98	full	none	normal	normal
			AKS08UMSLRNWH004			male	adult	seasonal development	scales	11	366	500	3.04	9.47	1.02	0.61	1.89	full	none	normal	normal
			AKS08UMSLRNWH005			male	adult	seasonal development	scales	10	335	400	2.02	9.73	1.06	0.51	2.43	full	none	normal	normal
			AKS08UMSLRNWH006			male	adult	seasonal development	scales	9	320	380	-	-	1.16	-	-	full	none	normal	normal
			AKS08UMSLRNWH007			male	adult	seasonal development	scales	9	330	410	-	-	1.14	-	-	full	none	normal	normal
			AKS08UMSLRNWH008			male	adult	seasonal development	scales	9	318	380	-	-	1.18	-	-	full	none	normal	normal
			AKS08UMSLRNWH009			male	adult	seasonal development	scales	8	298	310	-	-	1.17	-	-	full	none	normal	normal
			AKS08UMSLRNWH010			female	adult	maturing	scales	4	218	100	-	-	0.97	-	-	full	none	normal	normal
			AKS08UMSLRNWH011			male	adult	maturing	scales	4	206	90	-	-	1.03	-	-	full	none	normal	normal
			AKS08UMSLRNWH012			female	adult	maturing	scales	4	226	120	-	-	1.04	-	-	full	none	normal	normal
			AKS08UMSLRNWH013			unknown	juvenile	immature	scales	3	215	90	-	-	0.91	-	-	full	none	normal	normal
			AKS08UMSLRNWH014			male	adult	seasonal development	scales	9	311	400	-	-	1.33	-	-	full	none	normal	normal
			AKS08UMSLRNWH015			female	adult	seasonal development	scales	9	342	440	-	-	1.10	-	-	full	none	normal	normal
			AKS08UMSLRNWH016			female	adult	seasonal development	scales	9	326	390	-	-	1.13	-	-	full	none	normal	normal
			AKS08UMSLRNWH017			female	adult	maturing	scales	8	316	370	-	-	1.17	-	-	full	none	normal	normal
			AKS08UMSLRNWH018			female	adult	seasonal development	scales	10	340	430	-	-	1.09	-	-	full	none	normal	normal

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	Liver Weight (g)	Whole Gonad Weight (g)	K	LSI	GSI	Health Assessment	Body Deformities	Eyes	Gills			
Lower Lake	Mushroom Lake	RNWH	AKS08UMSLRNWH019	24-Jul-08	MSL-GN03-U08	male	adult	seasonal development	scales	10	340	430	-	-	1.09	-	-	full	none	normal	normal			
			AKS08UMSLRNWH020			male	adult	seasonal development	scales	11	362	550	-	-	1.16	-	-	full	none	normal	normal			
			AKS08UMSLRNWH021			male	adult	seasonal development	scales	9	312	380	-	-	1.25	-	-	full	none	cataracts in both eyes	normal			
			AKS08UMSLRNWH022			male	adult	seasonal development	scales	9	314	380	-	-	1.23	-	-	full	none	normal	normal			
			AKS08UMSLRNWH023			male	adult	seasonal development	scales	11	350	550	-	-	1.28	-	-	full	none	normal	normal			
			AKS08UMSLRNWH024			female	adult	seasonal development	scales	11	345	460	-	-	1.12	-	-	full	none	normal	normal			
			AKS08UMSLRNWH025			male	adult	seasonal development	scales	11	340	450	-	-	1.14	-	-	full	none	cataracts in both eyes	normal			
			AKS08UMSLRNWH026			female	adult	seasonal development	scales	9	322	400	-	-	1.20	-	-	full	none	normal	section missing			
			AKS08UMSLRNWH027			female	adult	seasonal development	scales	8	320	360	-	-	1.10	-	-	full	none	normal	normal			
			AKS08UMSLRNWH028			female	adult	seasonal development	scales	9	320	380	-	-	1.16	-	-	full	none	normal	normal			
			AKS08UMSLRNWH029			female	adult	seasonal development	scales	9	308	340	-	-	1.16	-	-	full	none	normal	section missing			
			AKS08UMSLRNWH030			female	adult	seasonal development	scales	7	298	330	-	-	1.25	-	-	full	none	normal	normal			
			AKS08UMSLRNWH031			unknown	juvenile	immature	scales	4	212	120	-	-	1.26	-	-	full	none	normal	normal			
	Cigar Lake	BURB	AKS08UCGLBURB001	22-Jul-08	CGL-MT04-U08	unknown	unknown	unknown	no structure taken	-	100	5	-	-	0.50	-	-	external	none	normal	normal			
		CISC	AKS08UCGLCISC001		CGL-GN01-U08	male	juvenile	maturing	scales	2	140	40	-	-	1.46	-	-	full	none	normal	normal			
		LKTR	AKS08UCGLLKTR001			unknown	adult	unknown	fin ray	-	490	1470	-	-	1.25	-	-	external	none	normal	normal			
			AKS08UCGLLKTR002			female	adult	seasonal development	fin ray	-	556	1730	-	-	1.01	-	-	full	none	normal	normal			
			AKS08UCGLLKTR003			female	adult	seasonal development	fin ray	-	540	1670	-	-	1.06	-	-	full	none	normal	normal			
			AKS08UCGLLKTR004			female	adult	seasonal development	fin ray	-	524	1840	-	-	1.28	-	-	full	none	normal	normal			
			AKS08UCGLLKTR005			female	adult	seasonal development	fin ray	-	540	1430	-	-	0.91	-	-	full	none	normal	normal			
			AKS08UCGLLKTR006			female	adult	maturing	fin ray	-	500	1300	-	-	1.04	-	-	full	none	normal	normal			
			AKS08UCGLLKTR007			female	adult	seasonal development	fin ray	-	490	1440	-	-	1.22	-	-	full	none	normal	normal			
			AKS08UCGLLKTR008			male	adult	seasonal development	fin ray	-	512	1600	-	-	1.19	-	-	full	none	normal	normal			
			AKS08UCGLLKTR009			male	adult	seasonal development	fin ray	-	726	4390	-	-	1.15	-	-	full	none	normal	normal			
			AKS08UCGLLKTR010			unknown	adult	unknown	fin ray	-	810	3000	-	-	0.56	-	-	external	none	normal	normal			
			AKS08UCGLLKTR011			female	adult	seasonal development	fin ray	-	612	2380	-	-	1.04	-	-	full	none	normal	normal			
			AKS08UCGLLKTR012			male	adult	seasonal development	fin ray	-	564	1880	-	-	1.05	-	-	full	none	normal	normal			
			AKS08UCGLLKTR013			male	adult	seasonal development	fin ray	-	510	1560	-	-	1.18	-	-	full	none	normal	normal			
			AKS08UCGLLKTR014			male	adult	maturing	fin ray	-	526	1200	-	-	0.82	-	-	full	none	normal	normal			
			AKS08UCGLLKTR015			female	adult	seasonal development	fin ray	-	580	2090	-	-	1.07	-	-	full	none	normal	normal			
			AKS08UCGLLKTR016			female	adult	seasonal development	fin ray	-	732	3940	-	-	1.00	-	-	full	none	normal	normal			
			AKS08UCGLLKTR017		CGL-GN02-U08	female	adult	seasonal development	fin ray	-	488	1500	-	-	1.29	-	-	full	none	normal	normal			
		AKS08UCGLLKTR018	female			adult	maturing	fin ray	-	426	850	-	-	1.10	-	-	full	none	normal	normal				
		AKS08UCGLLKTR019	female			adult	seasonal development	fin ray	-	502	1730	-	-	1.37	-	-	full	none	cataract in one eye	normal				
		AKS08UCGLLKTR020	male			adult	seasonal development	fin ray	-	476	1200	-	-	1.11	-	-	full	none	normal	normal				
		Knee Lake	ARGR		AKS08UCGLRNWH001	22-Jul-08	KNL-GN01-U08	female	adult	maturing	scales	4	214	90	-	-	0.92	-	-	full	none	normal	normal	
	Lunch Lake			AKS08UKNLARGR001	23-Jul-08			LUL-GN01-U08	male	adult	seasonal development	scales + otoliths	2	183	80	-	-	1.31	-	-	full	none	normal	normal
				AKS08UKNLARGR002					unknown	juvenile	maturing	scales + otoliths	2	179	70	-	-	1.22	-	-	full	none	normal	normal
		AKS08UKNLARGR003	unknown	juvenile		maturing	scales + otoliths		2	162	60	-	-	1.41	-	-	full	none	normal	normal				
	Andrew Lake	RNWH	AKS08ULULARGR001	26-Jul-08	ANL-GN01-U08	unknown	unknown	unknown	scales	2	144	100	-	-	3.35	-	-	external	none	normal	normal			
			AKS08ULULARGR002			unknown	juvenile	maturing	scales + otoliths	2	169	70	-	-	1.45	-	-	full	none	normal	normal			
			AKS08ULULARGR003			unknown	juvenile	maturing	scales + otoliths	1	148	50	-	-	1.54	-	-	full	none	normal	normal			
	Andrew Lake	RNWH	AKS08ULULRNWH001	26-Jul-08	ANL-GN01-U08	female	juvenile	maturing	scales + otoliths	3	210	120	-	-	1.30	-	-	full	none	normal	normal			
			AKS08UANLARGR001			unknown	juvenile	unknown	no structure taken	-	200	-	-	-	-	-	external	none	normal	normal				
			AKS08UANLRNWH001			unknown	juvenile	unknown	no structure taken	-	170	-	-	-	-	-	external	none	normal	normal				
	AKS08UANLRNWH002	unknown	juvenile	immature	scales	2	150	30	-	-	0.89	-	-	full	none	normal	normal							

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External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	Liver Weight (g)	Whole Gonad Weight (g)	K	LSI	GSI	Health Assessment	Body Deformities	Eyes	Gills	
Lower Lake	Shack Lake	ARGR	AKS08USHLARGR001	27-Jul-08	SHL-GN01-U08	unknown	juvenile	unknown	no structure taken	-	169	70	-	-	1.45	-	-	external	none	normal	normal	
			AKS08USHLARGR002		SHL-GN02-U08	unknown	juvenile	unknown	no structure taken	-	84	-	-	-	-	-	-	external	none	normal	normal	
			AKS08USHLARGR003			unknown	juvenile	unknown	no structure taken	-	150	30	-	-	0.89	-	-	external	none	normal	normal	
			AKS08USHLARGR004			unknown	juvenile	unknown	no structure taken	-	196	100	-	-	1.33	-	-	external	none	normal	normal	
			AKS08USHLARGR005		SHL-GN01-U08	unknown	juvenile	immature	scales	2	132	40	-	-	1.74	-	-	full	none	normal	normal	
			AKS08USHLARGR006		SHL-GN02-U08	unknown	juvenile	unknown	no structure taken	-	150	30	-	-	0.89	-	-	external	none	normal	normal	
	Lower Lake		ARGR	AKS08ULWLARGR001	28-Jul-08	LWL-GN01-U08	unknown	juvenile	unknown	no structure taken	-	160	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR002			unknown	juvenile	unknown	no structure taken	-	85	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR003			unknown	juvenile	unknown	no structure taken	-	80	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR004			unknown	juvenile	unknown	no structure taken	-	90	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR005			unknown	juvenile	unknown	no structure taken	-	95	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR006			unknown	juvenile	unknown	no structure taken	-	75	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR007			unknown	juvenile	unknown	scales	2	162	50	-	-	1.18	-	-	full	none	normal	normal
				AKS08ULWLARGR008		LWL-GN02-U08	unknown	juvenile	unknown	no structure taken	-	150	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR009			unknown	juvenile	unknown	no structure taken	-	125	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR010			unknown	juvenile	unknown	no structure taken	-	160	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR011			unknown	juvenile	unknown	no structure taken	-	140	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR012			unknown	juvenile	unknown	no structure taken	-	135	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR013			unknown	juvenile	unknown	no structure taken	-	145	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR014			unknown	juvenile	unknown	no structure taken	-	80	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR015			unknown	juvenile	unknown	scales + otoliths	2	150	60	-	-	1.78	-	-	full	none	normal	normal
				AKS08ULWLARGR016			unknown	juvenile	unknown	scales + otoliths	1	92	7.5	-	-	0.96	-	-	full	none	normal	normal
				AKS08ULWLARGR017	29-Jul-08	LWL-GN03-U08	unknown	juvenile	unknown	no structure taken	-	130	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR018			unknown	juvenile	unknown	no structure taken	-	155	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR019			unknown	juvenile	unknown	no structure taken	-	160	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR020			unknown	juvenile	unknown	no structure taken	-	160	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR021			unknown	juvenile	unknown	no structure taken	-	145	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR022			unknown	juvenile	unknown	no structure taken	-	165	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR023		LWL-GN04-U08	unknown	juvenile	unknown	no structure taken	-	75	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR024			unknown	juvenile	unknown	no structure taken	-	90	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR025			unknown	juvenile	immature	scales + otoliths	2	153	50	-	-	1.40	-	-	full	none	normal	normal
				AKS08ULWLARGR026			unknown	juvenile	unknown	no structure taken	-	160	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR027			unknown	juvenile	unknown	no structure taken	-	200	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR028			unknown	juvenile	unknown	no structure taken	-	150	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR029			unknown	juvenile	unknown	no structure taken	-	145	-	-	-	-	-	-	external	none	normal	normal
				AKS08ULWLARGR030			unknown	juvenile	immature	scales + otoliths	2	148	50	-	-	1.54	-	-	full	none	normal	normal
				AKS08ULWLARGR031			unknown	juvenile	immature	scales + otoliths	3	194	100	-	-	1.37	-	-	full	none	normal	normal
	BURB	AKS08ULWLBURB001	unknown	juvenile	unknown	no structure taken	-	90	-	-	-	-	-	-	external	none	normal	normal				
	NNST	AKS08ULWLNNST001	28-Jul-08	LWL-MT03-U08	unknown	unknown	unknown	no structure taken	-	50	-	-	-	-	-	-	-	external	none	normal	normal	
		AKS08ULWLNNST002			unknown	unknown	unknown	no structure taken	-	50	-	-	-	-	-	-	external	none	normal	normal		
		AKS08ULWLNNST003		LWL-MT04-U08	unknown	unknown	unknown	no structure taken	-	50	-	-	-	-	-	-	external	none	normal	normal		
		AKS08ULWLNNST004			unknown	unknown	unknown	no structure taken	-	60	-	-	-	-	-	-	external	none	normal	normal		
	RNWH	AKS08ULWLRNWH001	29-Jul-08	LWL-GN02-U08	female	adult	seasonal development	scales + otoliths	11	364	600	6.44	5.93	1.24	1.07	0.99	full	none	normal	normal		
		AKS08ULWLRNWH002		LWL-GN04-U08	unknown	juvenile	immature	scales + otoliths	2	152	60	-	-	1.71	-	-	full	none	normal	normal		
		AKS08ULWLRNWH003			unknown	juvenile	immature	scales	2	96	-	-	-	-	-	-	full	none	normal	normal		
Caribou Lake	Ridge Lake	LKTR	AKS08URDLLKTR001	5-Aug-08	RDL-GN01-U08	unknown	juvenile	immature	otoliths + fin ray	7	260	190	-	-	1.08	-	-	full	none	normal	normal	
			AKS08URDLLKTR002			male	juvenile	maturing	otoliths + fin ray	20	400	730	-	-	1.14	-	-	full	none	normal	normal	
			AKS08URDLLKTR003			male	juvenile	maturing	otoliths + fin ray	25	510	1330	-	-	1.00	-	-	full	none	normal	normal	
			AKS08URDLLKTR004			male	juvenile	maturing	otoliths + fin ray	26	444	950	-	-	1.09	-	-	full	none	normal	normal	
			AKS08URDLLKTR005			female	juvenile	maturing	otoliths + fin ray	33	504	1450	-	-	1.13	-	-	full	none	normal	normal	
			AKS08URDLLKTR006		RDL-GN02-U08	unknown	juvenile	immature	otoliths + fin ray	8	250	150	-	-	0.96	-	-	full	none	normal	normal	
			AKS08URDLLKTR007			unknown	juvenile	immature	otoliths + fin ray	10	280	250	-	-	1.14	-	-	full	none	normal	normal	
			AKS08URDLLKTR008			female	adult	seasonal development	otoliths + fin ray	13	390	620	-	-	1.05	-	-	full	none	normal	normal	

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	Liver Weight (g)	Whole Gonad Weight (g)	K	LSI	GSI	Health Assessment	Body Deformities	Eyes	Gills
Caribou Lake	Ridge Lake	LKTR	AKS08URDLLKTR009	5-Aug-08	RDL-GN02-U08	male	adult	seasonal development	otoliths + fin ray	14	382	620	-	-	1.11	-	-	full	none	normal	normal
			AKS08URDLLKTR010			male	adult	seasonal development	otoliths + fin ray	10	374	610	-	-	1.17	-	-	full	none	normal	normal
			AKS08URDLLKTR011			female	adult	seasonal development	otoliths + fin ray	27	409	1270	-	-	1.86	-	-	full	none	normal	normal
	Fox Lake	ARGR	AKS08UFXLARGR001	3-Aug-08	FXL-GN01-U08	female	adult	seasonal development	scales + otoliths	5	334	680	-	-	1.83	-	-	full	none	normal	normal
			AKS08UFXLARGR002			male	juvenile	maturing	scales + otoliths	3	266	280	-	-	1.49	-	-	full	none	normal	normal
			AKS08UFXLARGR003			male	adult	seasonal development	scales + otoliths	5	330	490	-	-	1.36	-	-	full	none	normal	normal
			AKS08UFXLARGR004			male	juvenile	immature	scales + otoliths	3	240	170	-	-	1.23	-	-	full	none	normal	normal
			AKS08UFXLARGR005			male	juvenile	maturing	scales + otoliths	3	252	230	-	-	1.44	-	-	full	none	normal	normal
			AKS08UFXLARGR006			unknown	juvenile	immature	scales + otoliths	2	176	70	-	-	1.28	-	-	full	none	normal	normal
			AKS08UFXLARGR007			unknown	juvenile	immature	scales + otoliths	2	178	60	-	-	1.06	-	-	full	none	normal	normal
			AKS08UFXLARGR008			unknown	juvenile	immature	scales + otoliths	2	180	60	-	-	1.03	-	-	full	none	normal	normal
			AKS08UFXLARGR009			unknown	juvenile	immature	scales + otoliths	2	154	50	-	-	1.37	-	-	full	none	normal	normal
			AKS08UFXLARGR010			unknown	juvenile	immature	scales + otoliths	2	164	70	-	-	1.59	-	-	full	none	normal	normal
			AKS08UFXLARGR011		FXL-GN02-U08	female	juvenile	immature	scales + otoliths	2	175	70	-	-	1.31	-	-	full	none	normal	normal
			AKS08UFXLARGR012			unknown	juvenile	immature	scales + otoliths	2	170	70	-	-	1.42	-	-	full	none	normal	normal
		CISC	AKS08UFXLCISC001			male	juvenile	maturing	scales + otoliths	-	207	140	-	-	1.58	-	-	full	none	normal	normal
	Caribou Lake	ARGR	AKS08UCBLARGR001		CBL-GN02-U08	male	juvenile	immature	scales + otoliths	4	249	220	-	-	1.43	-	-	full	none	normal	normal
			AKS08UCBLARGR002			male	juvenile	immature	scales + otoliths	3	209	130	-	-	1.42	-	-	full	none	normal	normal
			AKS08UCBLARGR003			male	juvenile	immature	scales + otoliths	3	200	100	-	-	1.25	-	-	full	none	normal	normal
			AKS08UCBLARGR004			unknown	juvenile	immature	scales + otoliths	2	154	40	-	-	1.10	-	-	full	none	normal	normal
		BURB	AKS08UCBLBURB001			unknown	juvenile	immature	otoliths (sagittal)	-	219	70	-	-	0.67	-	-	full	none	normal	normal
			AKS08UCBLBURB002			unknown	juvenile	immature	otoliths (sagittal)	-	144	30	-	-	1.00	-	-	full	none	normal	normal
		CISC	AKS08UCBLCISC001			female	juvenile	immature	scales + otoliths	-	202	80	-	-	0.97	-	-	full	none	normal	normal
			AKS08UCBLCISC002			female	juvenile	immature	scales + otoliths	-	200	60	-	-	0.75	-	-	full	none	normal	normal
			AKS08UCBLCISC003		CBL-GN01-U08	male	juvenile	immature	scales + otoliths	-	202	130	-	-	1.58	-	-	full	none	normal	normal
			AKS08UCBLCISC004			male	juvenile	immature	scales + otoliths	-	190	80	-	-	1.17	-	-	full	none	normal	normal
			AKS08UCBLCISC005			unknown	juvenile	immature	scales + otoliths	-	192	90	-	-	1.27	-	-	full	none	normal	normal
			AKS08UCBLCISC006			male	juvenile	immature	scales + otoliths	-	202	130	-	-	1.58	-	-	full	none	normal	normal
			AKS08UCBLCISC007			male	juvenile	immature	scales + otoliths	-	182	90	-	-	1.49	-	-	full	none	normal	normal
			AKS08UCBLCISC008			male	juvenile	immature	scales + otoliths	-	180	90	-	-	1.54	-	-	full	none	normal	normal
			AKS08UCBLCISC009			male	juvenile	immature	scales + otoliths	-	182	90	-	-	1.49	-	-	full	none	normal	normal
			AKS08UCBLCISC010			unknown	juvenile	immature	scales + otoliths	-	150	40	-	-	1.19	-	-	full	none	normal	normal
			AKS08UCBLCISC011			female	juvenile	immature	scales + otoliths	-	194	100	-	-	1.37	-	-	full	none	normal	normal
			AKS08UCBLCISC012			female	juvenile	immature	scales + otoliths	-	198	120	-	-	1.55	-	-	full	none	normal	normal
			AKS08UCBLCISC013			male	juvenile	maturing	scales + otoliths	-	204	140	-	-	1.65	-	-	full	none	normal	normal
			AKS08UCBLCISC014			female	juvenile	immature	scales + otoliths	-	208	120	-	-	1.33	-	-	full	none	normal	normal
			AKS08UCBLCISC015			male	juvenile	immature	scales + otoliths	-	190	80	-	-	1.17	-	-	full	none	normal	normal
			AKS08UCBLCISC016			female	juvenile	immature	scales + otoliths	-	214	130	-	-	1.33	-	-	full	none	normal	normal
			AKS08UCBLCISC017			unknown	juvenile	immature	scales + otoliths	-	200	100	-	-	1.25	-	-	full	none	normal	normal
			AKS08UCBLCISC018			unknown	juvenile	immature	scales + otoliths	-	152	40	-	-	1.14	-	-	full	none	normal	normal
			AKS08UCBLCISC019			unknown	unknown	immature	scales + otoliths	-	152	40	-	-	1.14	-	-	full	none	normal	normal
			AKS08UCBLCISC020		CBL-GN02-U08	female	adult	seasonal development	scales + otoliths	-	342	600	9.03	17.50	1.50	1.50	2.92	full	none	normal	normal
			AKS08UCBLCISC021			male	juvenile	immature	scales + otoliths	-	198	90	-	-	1.16	-	-	full	none	normal	normal
			AKS08UCBLCISC022			male	juvenile	immature	scales + otoliths	-	200	110	-	-	1.38	-	-	full	none	normal	normal
			AKS08UCBLCISC023			unknown	juvenile	immature	scales + otoliths	-	142	40	-	-	1.40	-	-	full	none	normal	normal
			AKS08UCBLCISC024			unknown	juvenile	immature	scales + otoliths	-	154	50	-	-	1.37	-	-	full	none	normal	normal
			AKS08UCBLCISC025			unknown	juvenile	immature	scales + otoliths	-	172	70	-	-	1.38	-	-	full	none	normal	normal
			AKS08UCBLCISC026			unknown	juvenile	immature	scales + otoliths	-	188	100	-	-	1.50	-	-	full	none	normal	normal
			AKS08UCBLCISC027			unknown	juvenile	immature	scales + otoliths	-	188	110	-	-	1.66	-	-	full	none	normal	normal
			AKS08UCBLCISC028			unknown	juvenile	immature	scales + otoliths	-	144	50	-	-	1.67	-	-	full	none	normal	normal
			AKS08UCBLCISC029			unknown	juvenile	immature	scales + otoliths	-	150	50	-	-	1.48	-	-	full	none	normal	normal
			AKS08UCBLCISC030			male	juvenile	immature	scales + otoliths	-	184	80	-	-	1.28	-	-	full	none	normal	normal
			AKS08UCBLCISC031			unknown	juvenile	immature	scales + otoliths	-	186	70	-	-	1.09	-	-	full	none	normal	normal

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	Liver Weight (g)	Whole Gonad Weight (g)	K	LSI	GSI	Health Assessment	Body Deformities	Eyes	Gills
Caribou Lake	Caribou Lake	CISC	AKS08UCBLCISC032	2-Aug-08	CBL-GN02-U08	unknown	juvenile	immature	scales + otoliths	-	148	50	-	-	1.54	-	-	full	none	normal	normal
			AKS08UCBLCISC033			unknown	juvenile	immature	scales + otoliths	-	194	90	-	-	1.23	-	-	full	none	normal	normal
			AKS08UCBLCISC034			unknown	juvenile	immature	scales + otoliths	-	154	50	-	-	1.37	-	-	full	none	normal	normal
			AKS08UCBLCISC035			unknown	juvenile	immature	scales + otoliths	-	206	80	-	-	0.92	-	-	full	none	normal	normal
		LKTR	AKS08UCBLLKTR001			unknown	juvenile	immature	otoliths + fin ray	12	356	560	-	-	1.24	-	-	full	none	normal	normal
		RNWH	AKS08UCBLRNWH001			unknown	juvenile	immature	scales + otoliths	2	178	60	-	-	1.06	-	-	full	none	normal	normal
			AKS08UCBLRNWH002			male	adult	seasonal development	scales + otoliths	17	376	640	5.35	14.71	1.20	0.84	2.30	full	none	normal	normal
			AKS08UCBLRNWH003			female	juvenile	immature	scales + otoliths	3	232	140	-	-	1.12	-	-	full	none	normal	normal
			AKS08UCBLRNWH004			male	juvenile	immature	scales + otoliths	3	256	180	-	-	1.07	-	-	full	none	normal	normal
			AKS08UCBLRNWH005			male	adult	seasonal development	scales + otoliths	3	270	230	1.01	3.59	1.17	0.44	1.56	full	none	normal	normal
	Calf Lake	CISC	AKS08UCFLCISC001	4-Aug-08	CFL-GN01-U08	male	juvenile	immature	scales + otoliths	-	198	100	-	-	1.29	-	-	full	none	normal	normal
			AKS08UCFLCISC002			male	juvenile	maturing	scales + otoliths	-	200	120	-	-	1.50	-	-	full	none	normal	normal
			AKS08UCFLCISC003			unknown	juvenile	unknown	no structure taken	-	90	-	-	-	-	-	-	none	-	-	-
			AKS08UCFLCISC004			unknown	juvenile	unknown	no structure taken	-	85	-	-	-	-	-	-	none	-	-	-
			AKS08UCFLCISC005			unknown	juvenile	unknown	no structure taken	-	90	-	-	-	-	-	-	none	-	-	-
			AKS08UCFLCISC006		CFL-GN02-U08	unknown	juvenile	unknown	no structure taken	-	80	-	-	-	-	-	-	none	-	-	-
			AKS08UCFLCISC007			unknown	juvenile	unknown	no structure taken	-	175	70	-	-	1.31	-	-	none	-	-	-
Judge Sissons Lake	Judge Sissons Lake	ARGR	AKS08UJSLARGR001	30-Jul-08	JSL-AN03-U08	female	adult	seasonal development	scales + otoliths	10	362	670	5.80	6.91	1.41	0.87	1.03	full	none	normal	normal
			AKS08UJSLARGR002			male	adult	seasonal development	scales + otoliths	6	313	380	3.12	1.00	1.24	0.82	0.26	full	none	normal	normal
		BURB	AKS08UJSLBURB001	26-Jul-08	JSL-MT04-U08	unknown	unknown	unknown	no structure taken	-	110	-	-	-	-	-	-	none	-	-	-
		CISC	AKS08UJSLCISC001	31-Jul-08	JSL-GN04-U08	female	juvenile	maturing	scales + otoliths	-	184	-	-	-	-	-	-	full	none	normal	normal
			AKS08UJSLCISC002			female	juvenile	immature	scales + otoliths	-	165	-	-	-	-	-	-	full	none	normal	normal
		LKTR	AKS08UJSLLKTR001	28-Jul-08	JSL-GN01-U08	female	adult	seasonal development	otoliths + fin ray	29	640	2570	-	-	0.98	-	-	full	none	normal	normal
			AKS08UJSLLKTR002			male	adult	seasonal development	fin ray	-	543	1730	-	-	1.08	-	-	full	none	blind in both eyes	normal
			AKS08UJSLLKTR003			unknown	adult	unknown	no structure taken	-	615	1910	-	-	0.82	-	-	none	-	-	-
			AKS08UJSLLKTR004			unknown	adult	unknown	no structure taken	-	604	2210	-	-	1.00	-	-	none	-	-	-
			AKS08UJSLLKTR005			male	adult	seasonal development	otoliths + fin ray	23	673	2830	-	-	0.93	-	-	full	none	blind in both eyes	normal
			AKS08UJSLLKTR006			male	adult	seasonal development	otoliths + fin ray	19	760	1780	-	-	0.41	-	-	full	none	normal	normal
			AKS08UJSLLKTR007			female	adult	pre-spawning	otoliths + fin ray	21	542	1890	-	-	1.19	-	-	full	none	normal	normal
			AKS08UJSLLKTR008		JSL-GN02-U08	unknown	adult	unknown	no structure taken	-	597	2040	-	-	0.96	-	-	none	-	-	-
			AKS08UJSLLKTR009			female	adult	seasonal development	otoliths + fin ray	28	651	2740	-	-	0.99	-	-	full	none	blind in one eye	normal
			AKS08UJSLLKTR010	29-Jul-08	JSL-AN02-U08	unknown	juvenile	unknown	no structure taken	-	174	60	-	-	1.14	-	-	none	-	-	-
			AKS08UJSLLKTR011	30-Jul-08	JSL-AN03-U08	unknown	adult	unknown	fin ray	-	758	4390	-	-	1.01	-	-	none	-	-	-
			AKS08UJSLLKTR012			unknown	adult	unknown	fin ray	-	473	1500	-	-	1.42	-	-	none	-	-	-
			AKS08UJSLLKTR013			unknown	unknown	unknown	fin ray	-	364	640	-	-	1.33	-	-	none	-	-	-
			AKS08UJSLLKTR014			unknown	adult	unknown	fin ray	-	496	1520	-	-	1.25	-	-	none	-	-	-
			AKS08UJSLLKTR015			unknown	adult	unknown	fin ray	-	704	3360	-	-	0.96	-	-	none	-	-	-
			AKS08UJSLLKTR016			unknown	adult	unknown	fin ray	-	617	2750	-	-	1.17	-	-	none	-	-	-
			AKS08UJSLLKTR017	31-Jul-08	JSL-AN05-U08	unknown	adult	unknown	no structure taken	-	437	970	-	-	1.16	-	-	external	none	normal	normal
			AKS08UJSLLKTR018			unknown	adult	unknown	fin ray	-	425	910	-	-	1.19	-	-	external	none	normal	normal
			AKS08UJSLLKTR019		JSL-AN06-U08	unknown	adult	unknown	fin ray	-	429	950	-	-	1.20	-	-	external	none	normal	normal
			AKS08UJSLLKTR020			female	adult	seasonal development	otoliths + fin ray	29	599	2510	24.22	27.57	1.17	0.96	1.10	full	none	normal	normal
			AKS08UJSLLKTR021			male	adult	resting	otoliths + fin ray	24	696	2950	32.26	4.18	0.87	1.09	0.14	full	none	blind in both eyes	normal
			AKS08UJSLLKTR022			male	adult	pre-spawning	otoliths + fin ray	16	574	2230	25.83	70.13	1.18	1.16	3.14	full	none	normal	normal
			AKS08UJSLLKTR023		JSL-GN04-U08	male	juvenile	maturing	scales + fin ray	16	477	1210	9.05	0.77	1.11	0.75	0.06	full	none	blind in both eyes	normal
			AKS08UJSLLKTR024			female	juvenile	maturing	otoliths + fin ray	15	445	930	9.74	4.81	1.06	1.05	0.52	full	none	blind in one eye	normal

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	Liver Weight (g)	Whole Gonad Weight (g)	K	LSI	GSI	Health Assessment	Body Deformities	Eyes	Gills
Judge Sissons Lake	Judge Sissons Lake	LKTR	AKS08UJSLLKTR025	1-Aug-08	JSL-AN07-U08	unknown	juvenile	unknown	fin ray	-	354	480	-	-	1.08	-	-	external	none	normal	normal
			AKS08UJSLLKTR026			unknown	adult	unknown	fin ray	-	701	3550	-	-	1.03	-	-	external	none	normal	normal
			AKS08UJSLLKTR027			unknown	adult	unknown	fin ray	-	577	2660	-	-	1.38	-	-	external	none	normal	normal
			AKS08UJSLLKTR028			unknown	adult	unknown	fin ray	-	621	2860	-	-	1.19	-	-	external	none	normal	normal
			AKS08UJSLLKTR029			unknown	adult	unknown	fin ray	-	752	4180	-	-	0.98	-	-	external	none	normal	normal
			AKS08UJSLLKTR030			male	adult	resting	otoliths + fin ray	21	674	3210	34.94	2.79	1.05	1.09	0.09	full	none	normal	normal
		NNST	AKS08UJSLNNST001	25-Jul-08	JSL-MT04-U08	unknown	unknown	unknown	no structure taken	-	52	-	-	-	-	-	-	none	-	-	-
			AKS08UJSLNNST002	27-Jul-08	JSL-MT05-U08	unknown	unknown	unknown	no structure taken	-	56	-	-	-	-	-	-	none	-	-	-
		RNWH	AKS08UJSLRNWH001	31-Jul-08	JSL-GN04-U08	male	adult	seasonal development	scales + otoliths	15	358	500	2.71	9.38	1.09	0.54	1.88	full	none	normal	normal
			AKS08UJSLRNWH002	1-Aug-08	JSL-GN05-U08	unknown	juvenile	unknown	no structure taken	-	100	8.27	-	-	0.83	-	-	none	-	-	-
			AKS08UJSLRNWH003			unknown	juvenile	unknown	no structure taken	-	95	6.75	-	-	0.79	-	-	none	-	-	-
			AKS08UJSLRNWH004			unknown	juvenile	unknown	no structure taken	-	105	8.93	-	-	0.77	-	-	none	-	-	-
			AKS08UJSLRNWH005			unknown	juvenile	unknown	no structure taken	-	101	7.79	-	-	0.76	-	-	none	-	-	-
			AKS08USMLLKTR001			unknown	unknown	unknown	fin ray	-	396	660	-	-	1.06	-	-	external	none	normal	normal
Siamese Lake	Siamese Lake	LKTR	AKS08USMLLKTR002	5-Aug-08	SML-AN01-U08	unknown	juvenile	unknown	fin ray	-	314	410	-	-	1.32	-	-	external	none	normal	normal
			AKS08USMLLKTR003			female	juvenile	maturing	otoliths + fin ray	8	313	340	1.96	0.61	1.11	0.58	0.18	full	none	normal	normal
			AKS08USMLLKTR004			male	juvenile	immature	otoliths + fin ray	6	229	120	0.54	-	1.00	0.45	-	full	none	normal	normal
					SML-GN02-U08																

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sample ID ^(a)	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesenteric Fat	Stomach Contents	Capture/Release
AKS08UPRLARGR001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UPRLARGR002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UPRLARGR003	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	-	mortality
AKS08UPRLARGR004	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	first capture, sacrificed
AKS08UPRLARGR005	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	first capture, sacrificed
AKS08UPRLARGR006	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	first capture, sacrificed
AKS08UPRLARGR007	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	first capture, sacrificed
AKS08UPRLARGR008	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	none	100%	first capture, sacrificed
AKS08UPRLARGR009	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UPRLARGR010	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UPRLARGR011	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UPRLARGR012	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	none	50%	mortality
AKS08UPRLARGR013	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UPRLARGR014	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	none	100%	first capture, sacrificed
AKS08UPRLCISC001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	none	100%	first capture, sacrificed
AKS08UPRLCISC002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	fatty liver	50% of GI tract	100%	mortality
AKS08UPRLCISC003	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UPRLCISC004	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UPRLCISC005	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UPRLCISC006	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	empty	mortality
AKS08UPRLCISC007	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UPRLCISC008	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08UPRLCISC009	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UPRLCISC010	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UPRLCISC011	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UPRLCISC012	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UPRLCISC013	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	empty	mortality
AKS08UPRLCISC014	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	mortality
AKS08UPRLCISC015	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UPRLCISC016	minor erosion/hemorrhaging	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	empty	mortality
AKS08UPRLCISC017	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	empty	mortality
AKS08UPRLCISC018	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UPRLCISC019	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	mortality
AKS08UPRLCISC020	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UPRLCISC021	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UPRLCISC022	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08UPRLCISC023	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	empty	mortality
AKS08UPRLCISC024	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UPRLCISC025	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	mortality
AKS08UPRLCISC026	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	mortality
AKS08UPRLCISC027	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UPRLCISC028	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	none	empty	mortality
AKS08UPRLCISC029	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UPRLLKTR001	minor erosion	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	none	none	normal	normal	normal	normal	general discoloration	< 50% of GI tract	empty	first capture, sacrificed
AKS08UPRLLKTR002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	first capture, sacrificed
AKS08UPRLLKTR003	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	first capture, sacrificed
AKS08UPRLLKTR004	normal	normal	normal	normal	normal	normal	none	moderate infestation	Nematode	normal	normal	normal	normal	normal	50% of GI tract	50%	first capture, sacrificed

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sample ID ^(a)	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesenteric Fat	Stomach Contents	Capture/Release
AKS08UROLARGR001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UROLARGR002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UROLARGR003	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UROLARGR004	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UROLARGR005	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UROLARGR006	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	> 50%	mortality
AKS08UROLARGR007	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UROLARGR008	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UROLARGR009	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UROLARGR010	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UMLSARGR001	normal	normal	normal	normal	normal	normal	severe infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	first capture, sacrificed
AKS08UMLSARGR002	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	other-pale	50% of GI tract	empty	first capture, sacrificed
AKS08UMLSARGR003	minor erosion	normal	normal	normal	normal	normal	severe infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	-	first capture, sacrificed
AKS08UMLSARGR004	moderate erosion	normal	normal	normal	normal	normal	severe infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	first capture, sacrificed
AKS08UMLSARGR005	moderate erosion	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	first capture, sacrificed
AKS08UMLLKTR001	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UMLLKTR002	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UMLLKTR003	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	first capture, sacrificed
AKS08UMLLKTR004	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	first capture, sacrificed
AKS08UMLLKTR005	normal	normal	normal	normal	normal	normal	minor infestation-leech on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	first capture, sacrificed
AKS08UMLLKTR006	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	first capture, sacrificed
AKS08UMLLKTR007	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	first capture, sacrificed
AKS08UMLLKTR008	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UMLLKTR009	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UMLLKTR010	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	general discoloration	< 50% of GI tract	< 50%	mortality
AKS08UMSLRNWH001	moderate erosion	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	first capture, sacrificed
AKS08UMSLRNWH002	minor erosion	normal	normal	minor aberrations	normal	normal	none	none	none	shrunk	normal	normal	normal	normal	50% of GI tract	empty	first capture, sacrificed
AKS08UMSLRNWH003	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	empty	first capture, sacrificed
AKS08UMSLRNWH004	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	empty	first capture, sacrificed
AKS08UMSLRNWH005	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	first capture, sacrificed
AKS08UMSLRNWH006	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	mortality
AKS08UMSLRNWH007	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	mortality
AKS08UMSLRNWH008	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UMSLRNWH009	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UMSLRNWH010	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	general discoloration	< 50% of GI tract	100%	mortality
AKS08UMSLRNWH011	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	general discoloration	50% of GI tract	100%	mortality
AKS08UMSLRNWH012	normal	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08UMSLRNWH013	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UMSLRNWH014	normal	normal	normal	normal	normal	normal	none	none	none	normal	discoloured	normal	normal	normal	> 50% of GI tract	< 50%	mortality
AKS08UMSLRNWH015	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UMSLRNWH016	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UMSLRNWH017	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UMSLRNWH018	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	mortality

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sample ID ^(a)	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesenteric Fat	Stomach Contents	Capture/Release
AKS08UMSLRNWH019	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UMSLRNWH020	normal	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08UMSLRNWH021	normal	normal	normal	normal	normal	normal	none	none	none	shrunk	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UMSLRNWH022	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UMSLRNWH023	normal	normal	normal	normal	normal	normal	none	none	none	normal	granular	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UMSLRNWH024	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UMSLRNWH025	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	mortality
AKS08UMSLRNWH026	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UMSLRNWH027	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08UMSLRNWH028	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UMSLRNWH029	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UMSLRNWH030	normal	normal	normal	normal	normal	normal	none	none	none	incomplete	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UMSLRNWH031	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UCGLBURB001	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UCGLCISC001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UCGLLKTR001	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UCGLLKTR002	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08UCGLLKTR003	moderate erosion	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08UCGLLKTR004	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UCGLLKTR005	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UCGLLKTR006	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08UCGLLKTR007	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UCGLLKTR008	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	none	empty	mortality
AKS08UCGLLKTR009	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08UCGLLKTR010	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UCGLLKTR011	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08UCGLLKTR012	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08UCGLLKTR013	normal	normal	normal	normal	normal	normal	none	minor infestation	segmented worm	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08UCGLLKTR014	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08UCGLLKTR015	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08UCGLLKTR016	normal	normal	normal	normal	normal	normal	none	none	none	atretic	normal	normal	normal	general discoloration	< 50% of GI tract	100%	mortality
AKS08UCGLLKTR017	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08UCGLLKTR018	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	50% of GI tract	empty	mortality
AKS08UCGLLKTR019	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	general discoloration	> 50% of GI tract	50%	mortality
AKS08UCGLLKTR020	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08UCGLRNWH001	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UKNLARGR001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08UKNLARGR002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	> 50%	mortality
AKS08UKNLARGR003	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	fatty liver	< 50% of GI tract	> 50%	mortality
AKS08ULULARGR001	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULULARGR002	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08ULULARGR003	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08ULULRNWH001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08UANLARGR001	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UANLRNWH001	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UANLRNWH002	minor erosion/hemorrhaging	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sample ID ^(a)	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesenteric Fat	Stomach Contents	Capture/Release
AKS08USHLARGR001	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08USHLARGR002	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08USHLARGR003	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08USHLARGR004	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08USHLARGR005	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08USHLARGR006	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR001	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR002	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR003	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR004	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR005	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR006	minor erosion	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR007	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08ULWLARGR008	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR009	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR010	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR011	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR012	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR013	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR014	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR015	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08ULWLARGR016	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08ULWLARGR017	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR018	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR019	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR020	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR021	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR022	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR023	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR024	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR025	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	> 50%	mortality
AKS08ULWLARGR026	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR027	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR028	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR029	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLARGR030	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08ULWLARGR031	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08ULWLBURB001	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLNNST001	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLNNST002	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLNNST003	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLNNST004	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08ULWLRNWH001	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	none	100%	first capture, sacrificed
AKS08ULWLRNWH002	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08ULWLRNWH003	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	> 50%	mortality
AKS08URDLLKTR001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08URDLLKTR002	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08URDLLKTR003	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08URDLLKTR004	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08URDLLKTR005	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08URDLLKTR006	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08URDLLKTR007	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08URDLLKTR008	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sample ID ^(a)	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesenteric Fat	Stomach Contents	Capture/Release
AKS08URDLLKTR009	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08URDLLKTR010	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08URDLLKTR011	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	mortality
AKS08UFXLARGR001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UFXLARGR002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UFXLARGR003	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	100% of GI tract	100%	mortality
AKS08UFXLARGR004	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UFXLARGR005	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UFXLARGR006	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UFXLARGR007	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UFXLARGR008	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08UFXLARGR009	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UFXLARGR010	normal	normal	normal	normal	normal	normal	none	none	none	hemorrhaged	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UFXLARGR011	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UFXLARGR012	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UFXLCISC001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UCBLARGR001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	first capture, sacrificed
AKS08UCBLARGR002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	first capture, sacrificed
AKS08UCBLARGR003	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	first capture, sacrificed
AKS08UCBLARGR004	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS08UCBLBURB001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	mortality
AKS08UCBLBURB002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UCBLCISC001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UCBLCISC002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	> 50%	mortality
AKS08UCBLCISC003	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UCBLCISC004	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UCBLCISC005	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	> 50%	mortality
AKS08UCBLCISC006	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UCBLCISC007	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08UCBLCISC008	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UCBLCISC009	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	> 50%	mortality
AKS08UCBLCISC010	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	mortality
AKS08UCBLCISC011	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	> 50%	mortality
AKS08UCBLCISC012	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UCBLCISC013	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	> 50%	mortality
AKS08UCBLCISC014	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	mortality
AKS08UCBLCISC015	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UCBLCISC016	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UCBLCISC017	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	mortality
AKS08UCBLCISC018	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UCBLCISC019	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UCBLCISC020	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UCBLCISC021	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UCBLCISC022	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UCBLCISC023	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UCBLCISC024	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UCBLCISC025	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UCBLCISC026	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	mortality
AKS08UCBLCISC027	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	mortality
AKS08UCBLCISC028	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	mortality
AKS08UCBLCISC029	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UCBLCISC030	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UCBLCISC031	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	empty	mortality

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sample ID ^(a)	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesenteric Fat	Stomach Contents	Capture/Release
AKS08UCBLCISC032	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	mortality
AKS08UCBLCISC033	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	100%	mortality
AKS08UCBLCISC034	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UCBLCISC035	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	mortality
AKS08UCBLLKTR001	minor erosion	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	first capture, sacrificed
AKS08UCBLRNWH001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	< 50%	mortality
AKS08UCBLRNWH002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	empty	first capture, sacrificed
AKS08UCBLRNWH003	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	first capture, sacrificed
AKS08UCBLRNWH004	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	100%	first capture, sacrificed
AKS08UCBLRNWH005	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	> 50% of GI tract	50%	first capture, sacrificed
AKS08UCFLCISC001	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	general discoloration	50% of GI tract	100%	mortality
AKS08UCFLCISC002	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	general discoloration	50% of GI tract	100%	mortality
AKS08UCFLCISC003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UCFLCISC004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UCFLCISC005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UCFLCISC006	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UCFLCISC007	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLARGR001	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	first capture, sacrificed
AKS08UJSLARGR002	normal	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	first capture, sacrificed
AKS08UJSLBURB001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLCISC001	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UJSLCISC002	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UJSLLKTR001	minor erosion/hemorrhaging	normal	normal	normal	normal	normal	none	none	none	hemorrhaged	normal	normal	normal	normal	< 50% of GI tract	< 50%	first capture, sacrificed
AKS08UJSLLKTR002	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	fatty liver	< 50% of GI tract	< 50%	first capture, sacrificed
AKS08UJSLLKTR003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR005	moderate erosion	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	empty	first capture, sacrificed
AKS08UJSLLKTR006	minor erosion	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	first capture, sacrificed
AKS08UJSLLKTR007	minor erosion	normal	normal	minor aberrations	normal	normal	none	none	none	normal	normal	normal	normal	fatty liver	< 50% of GI tract	> 50%	first capture, sacrificed
AKS08UJSLLKTR008	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR009	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UJSLLKTR010	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR011	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR012	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR013	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR014	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR015	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR016	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR017	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR018	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR019	normal	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR020	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	fatty liver	< 50% of GI tract	< 50%	mortality
AKS08UJSLLKTR021	moderate erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UJSLLKTR022	minor erosion	normal	normal	other-pale skin	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UJSLLKTR023	minor erosion	normal	normal	other-pale skin	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50%	mortality
AKS08UJSLLKTR024	moderate erosion	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	cyst	normal	enlarged	normal	< 50% of GI tract	empty	mortality

Table X.IX-3
External and Internal Health Information of Fish Captured During the Community and Chemistry Surveys, 2008

Sample ID ^(a)	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesentartic Fat	Stomach Contents	Capture/Release
AKS08UJSLLKTR025	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR026	moderate erosion	normal	normal	normal	normal	normal	minor infestation-copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR027	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR028	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR029	normal	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLLKTR030	normal	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	fatty liver	< 50% of GI tract	< 50%	first capture, sacrificed
AKS08UJSLNNST001	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLNNST002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS08UJSLRNWH001	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	fatty liver	< 50% of GI tract	< 50%	first capture, sacrificed
AKS08UJSLRNWH002	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS08UJSLRNWH003	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS08UJSLRNWH004	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS08UJSLRNWH005	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS08USMLLKTR001	minor erosion	normal	normal	normal	normal	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS08USMLLKTR002	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS08USMLLKTR003	minor erosion	normal	normal	normal	normal	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality
AKS08USMLLKTR004	minor erosion	normal	normal	normal	normal	normal	minor infestation-copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	> 50%	mortality

Notes: Fin ray age structures were deamed inconclusive by the sub-contractor.
^(a) = Sample Identification (ID) format was client code (three letters), year (two digits), season code (one letter), waterbody code (three to five letters), species code (four letters), and fish number (three digits).
^(b) = Date format was day-month-year.
^(c) = Station name included three letters waterbody code, fishing method effort code-season code and year.

NNST = Ninespine stickleback; CISC = cisco; RNWH = round whitefish; BURB = burbot; LKTR = lake trout; ARGR = Arctic grayling; mm = millimetre; g = gram; K = condition factor; LSI = liversomatic index; GSI = gonadsomatic index; GI = gastro-intestinal; < = less than; > = more than; % = percent; - = not analyzed or collected; Jul = July; Aug = August.

Table X.IX-4
External Health Information of Lake Trout Captured During the Lake Trout Spawning Survey, 2008

Sub-Basin	Waterbody	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Length (mm)	Total Body Weight (g)	K	Health Assessment	Body Deformities	Eyes	Gills
Lower Lake	Cigar Lake	AKS08FCGLLKTR001	26-Aug-08	CGL-AN01-F08	unknown	unknown	unknown	fin ray	662	3290	1.13	external	none	normal	normal
		AKS08FCGLLKTR002		unknown	unknown	unknown	fin ray	677	3210	1.03	external	none	normal	normal	
		AKS08FCGLLKTR003		CGL-AN02-F08	unknown	unknown	unknown	fin ray	636	2430	0.94	external	none	normal	normal
		AKS08FCGLLKTR004			unknown	unknown	unknown	fin ray	545	1910	1.18	external	none	normal	normal
		AKS08FCGLLKTR005			male	adult	ripe	fin ray	549	1610	0.97	external	none	normal	normal
	Mushroom Lake	AKS08FMSLLKTR001	4-Sep-08	MSL-AN01-F08	unknown	unknown	unknown	fin ray	710	3620	1.01	external	none	blind in one eye	normal
		AKS08FMSLLKTR002	5-Sep-08	MSL-AN02-F08	male	adult	ripe	fin ray	434	1000	1.22	external	none	normal	normal
Caribou Lake	Ridge Lake	AKS08FRDLLKTR001	6-Sep-08	RDL-AN01-F08	male	adult	ripe	fin ray	630	3190	1.28	external	none	normal	normal
		AKS08FRDLLKTR002			unknown	unknown	unknown	fin ray	390	700	1.18	external	none	normal	normal
		AKS08FRDLLKTR003			unknown	unknown	unknown	fin ray	364	660	1.37	external	none	normal	normal
		AKS08FRDLLKTR004			unknown	unknown	unknown	fin ray	410	930	1.35	external	none	normal	normal
		AKS08FRDLLKTR005			unknown	unknown	unknown	fin ray	422	1070	1.42	external	none	normal	normal
		AKS08FRDLLKTR006			unknown	unknown	unknown	fin ray	435	1230	1.49	external	none	normal	normal
		Judge Sissons Lake			Judge Sissons Lake	AKS08FJSLLKTR001	27-Aug-08	JSL-AN01-F08	unknown	unknown	unknown	fin ray	684	3310	1.03
AKS08FJSLLKTR002	JSL-AN02-F08		unknown	unknown		unknown		fin ray	700	3360	0.98	external	none	normal	normal
AKS08FJSLLKTR003	JSL-AN03-F08		unknown	unknown		unknown		fin ray	616	3350	1.43	external	none	normal	frayed
AKS08FJSLLKTR004			unknown	unknown		unknown		fin ray	630	2830	1.13	external	none	normal	frayed
AKS08FJSLLKTR005			male	adult		ripe		fin ray	566	2100	1.16	external	none	normal	frayed
AKS08FJSLLKTR006	29-Aug-08		JSL-AN04-F08	unknown		unknown	unknown	fin ray	578	2390	1.24	external	none	blind in one eye	normal
Siamese Lake	Siamese Lake	AKS08FSMLLKTR001	31-Aug-08	SML-AN02-F08	male	adult	ripe	fin ray	536	1860	1.21	external	none	normal	normal
		AKS08FSMLLKTR002			unknown	Juvenile	unknown	fin ray	320	348	1.06	external	none	normal	normal
Access Local Study Area	Km 174.8 (Thelon River)	AKS08FTHRLKTR001	9-Sep-08	THR-AN03-F08	unknown	unknown	unknown	fin ray	590	2480	1.21	external	none	normal	normal
	Alternate X28	AKS08FX28LKTR001	9-Sep-08	X28-AN01-F08	unknown	unknown	unknown	fin ray	554	2050	1.21	external	none	normal	normal
		AKS08FX28LKTR002			unknown	unknown	unknown	fin ray	534	2030	1.33	external	none	normal	normal
		AKS08FX28LKTR003			male	adult	ripe	fin ray	542	1960	1.23	external	none	normal	normal
		AKS08FX28LKTR004			unknown	unknown	unknown	fin ray	598	2480	1.16	external	none	normal	normal
		AKS08FX28LKTR005			male	adult	ripe	fin ray	546	2340	1.44	external	deformity on caudal fin	normal	normal
		AKS08FX28LKTR006			unknown	unknown	unknown	fin ray	388	860	1.47	external	none	normal	normal
		AKS08FX28LKTR007		X28-AN02-F08	unknown	unknown	unknown	fin ray	490	1600	1.36	external	none	normal	normal
		AKS08FX28LKTR008			unknown	unknown	unknown	fin ray	556	2290	1.33	external	none	normal	normal
		AKS08FX28LKTR009			unknown	unknown	unknown	fin ray	556	2200	1.28	external	none	normal	normal
	Alternate X33	AKS08FX33LKTR001	10-Sep-08	X33-AN02-F08	unknown	unknown	unknown	fin ray	738	4240	1.05	external	deformity on jaw	normal	normal

Table X.IX-4
External Health Information of Lake Trout Captured During the Lake Trout Spawning Survey, 2008

Sample ID ^(a)	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Capture/Release
AKS08FCGLLKTR001	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FCGLLKTR002	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FCGLLKTR003	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FCGLLKTR004	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FCGLLKTR005	minor erosion	normal	normal	normal	normal	normal	none	first capture, released
AKS08FMSLLKTR001	minor erosion	normal	normal	minor aberrations	normal	minor inflammation	none	first capture, released
AKS08FMSLLKTR002	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FRDLLKTR001	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FRDLLKTR002	minor erosion	normal	normal	normal	normal	normal	none	first capture, released
AKS08FRDLLKTR003	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FRDLLKTR004	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FRDLLKTR005	normal	minor shortening	normal	normal	normal	normal	none	first capture, released
AKS08FRDLLKTR006	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FJSLLKTR001	normal	normal	normal	minor aberrations	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08FJSLLKTR002	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FJSLLKTR003	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FJSLLKTR004	normal	normal	normal	minor aberrations	normal	normal	none	first capture, released
AKS08FJSLLKTR005	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FJSLLKTR006	normal	normal	normal	normal	normal	minor inflammation	minor infestation-copepods on gills	first capture, released
AKS08FSMLLKTR001	minor erosion	other-cut on top	normal	normal	normal	normal	none	first capture, released
AKS08FSMLLKTR002	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08FTHRLKTR001	minor erosion	normal	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08FX28LKTR001	other-left pectoral fin frayed	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	first capture, released
AKS08FX28LKTR002	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08FX28LKTR003	normal	normal	normal	normal	normal	normal	moderate infestation-copepods on gills	first capture, released
AKS08FX28LKTR004	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FX28LKTR005	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08FX28LKTR006	other-missing left pectoral and minor fray on right pectoral fin	normal	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08FX28LKTR007	normal	normal	normal	normal	normal	normal	none	first capture, released
AKS08FX28LKTR008	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08FX28LKTR009	normal	normal	normal	normal	normal	normal	minor infestation-copepods on gills	first capture, released
AKS08FX33LKTR001	normal	normal	normal	scars on body	normal	normal	none	first capture, released

Notes: Fin ray age structures were deemed inconclusive by the sub-contractor.

^(a) = Sample Identification (ID) format was client code (three letters), year (two digits), season code (one letter), waterbody code (three to five letters), species code (four letters), and fish number (three digits).

^(b) = Date format was day-month-year.

^(c) = Station name included three letter waterbody code, fishing effort method and season code and year.

Aug = August; Sep = September; mm = millimetre; g = gram; K = condition factor; - = not analyzed or collected.

Table X.IX-5
External and Internal Health Information of Fish Captured During the Arctic Grayling Spawning Survey, 2009

Sub-Basin	Watercourse	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	Liver Weight (g)	Whole Gonad Weight (g)	K	LSI	GSI	Health Assessment	Body Deformities	Eyes	Gills
Willow Lake	Northeast Inflow of Pointer Lake	NNST	AKS09PNEPLSNNST001	25-Jun-09	NEPLS-BP01-P09	unknown	adult	unknown	no structure taken	-	55	1.1	-	-	0.66	-	-	external	none	normal	normal
	Pointer/Rock Stream	ARGR	AKS09PPRROSARGR001		PRROS-FN01-P09	male	adult	ripe	scales	6	297	280	-	-	1.07	-	-	external	none	normal	normal
		RNWH	AKS09PPRROSRNWH001			unknown	adult	unknown	scales	7	340	382	-	-	0.97	-	-	external	none	normal	normal
	Sik Sik/Rock Stream	NNST	AKS09PSSROSNNST003		SSROS-BP01-P09	female	adult	ripe	no structure taken	-	62	1.6	-	-	0.67	-	-	external	none	normal	normal
			unknown			adult	unknown	no structure taken	-	57	1.3	-	-	0.7	-	-	external	none	normal	normal	
			AKS09PSSROSNNST002			unknown	adult	unknown	no structure taken	-	61	1.5	-	-	0.66	-	-	external	none	normal	normal
			AKS09PSSROSNNST004			unknown	juvenile	unknown	no structure taken	-	42	0.5	-	-	0.67	-	-	external	none	normal	normal
	Rock/Willow Stream	ARGR	AKS09PROWISARGR001		ROWIS-FN01-P09	male	adult	ripe	scales + otoliths	5	352	420	2.8	2.3	0.96	0.67	0.55	full	none	normal	normal
			AKS09PROWISARGR002			unknown	adult	unknown	scales	6	324	470	-	-	1.38	-	-	external	none	normal	normal
			AKS09PROWISARGR003			male	adult	ripe	scales + otoliths	13	408	730	6.5	4.8	1.07	0.89	0.66	full	none	normal	normal
			AKS09PROWISARGR004	male		adult	ripe	scales	6	-	-	-	-	-	-	-	external	none	normal	normal	
			AKS09PROWISARGR005	male		adult	ripe	scales + otoliths	7	336	430	1.6	0.5	1.13	0.37	0.12	full	none	normal	normal	
			AKS09PROWISARGR006	female		adult	ripe	scales + otoliths	8	346	440	3.2	4.7	1.06	0.73	1.07	full	none	normal	normal	
		NNST	AKS09PROWISNNST001	ROWIS-BP03-P09	unknown	adult	unknown	no structure taken	-	50	1.1	-	-	0.88	-	-	external	none	normal	normal	
			AKS09PROWISNNST002		27-Jun-09	ROWIS-BP04-P09	unknown	adult	unknown	no structure taken	-	58	1.7	-	-	0.87	-	-	external	none	normal
		CISC	AKS09PROWISCISC001	24-Jun-09	ROWIS-FN01-P09	unknown	adult	unknown	no structure taken	-	312	460	-	-	1.51	-	-	external	none	normal	normal
			AKS09PROWISRNWH001			unknown	adult	unknown	scales	9	344	600	-	-	1.47	-	-	external	none	normal	normal
	Willow/Judge Sissons Stream	RNWH	AKS09PROWISRNWH002	unknown	adult	unknown	scales	9	368	610	-	-	1.22	-	-	external	none	normal	normal		
			LKTR	AKS09PWIJSSLKTR001	25-Jun-09	WIJSS-AN01-P09	unknown	adult	unknown	no structure taken	-	565	2280	-	-	1.26	-	-	external	none	normal
		AKS09PWIJSSLKTR002		unknown			adult	unknown	no structure taken	-	515	1930	-	-	1.41	-	-	external	none	normal	normal
		AKS09PWIJSSLKTR003		WIJSS-AN02-P09		unknown	adult	unknown	no structure taken	-	595	2370	-	-	1.13	-	-	external	none	normal	normal
		AKS09PWIJSSLKTR004				unknown	adult	unknown	no structure taken	-	642	2630	-	-	0.99	-	-	external	none	normal	normal
		AKS09PWIJSSLKTR005		27-Jun-09	WIJSS-AN04-P09	unknown	adult	unknown	no structure taken	-	580	2250	-	-	1.15	-	-	external	none	normal	normal
		AKS09PWIJSSLKTR006				unknown	adult	unknown	no structure taken	-	580	2220	-	-	1.14	-	-	external	none	normal	normal
		AKS09PWIJSSLKTR007				unknown	adult	unknown	no structure taken	-	600	1830	-	-	0.85	-	-	external	none	normal	normal
		AKS09PWIJSSLKTR008				unknown	adult	unknown	no structure taken	-	620	2350	-	-	0.99	-	-	external	none	normal	normal
		29-Jun-09	WIJSS-AN05-P09	unknown	adult	unknown	scales	-	570	2401	-	-	1.30	-	-	external	none	normal	hemorrhaged and dark red blood/mucus.		
			WIJSS-AN06-P09	unknown	adult	unknown	scales	-	680	3997	-	-	1.27	-	-	external	none	normal	normal		
		SLSC	AKS09PWIJSSSLSC001	25-Jun-09	WIJSS-BP01-P09	unknown	unknown	unknown	no structure taken	-	70	2.3	-	-	0.67	-	-	external	none	normal	normal
			AKS09PWIJSSSLSC002			unknown	unknown	unknown	no structure taken	-	61	2	-	-	0.88	-	-	external	none	normal	normal
AKS09PWIJSSSLSC003			unknown			unknown	unknown	no structure taken	-	72	3.1	-	-	0.83	-	-	external	none	normal	normal	
AKS09PWIJSSSLSC004			unknown			unknown	unknown	no structure taken	-	64	2.7	-	-	1.03	-	-	external	none	normal	normal	
AKS09PWIJSSSLSC005			unknown			unknown	unknown	no structure taken	-	106	10	-	-	0.84	-	-	external	none	normal	normal	
AKS09PWIJSSSLSC006			unknown			unknown	unknown	no structure taken	-	110	13.2	-	-	0.99	-	-	external	none	normal	normal	
NNST		AKS09PWIJSSNNST001	26-Jun-09	WIJSS-BP02-P09	unknown	unknown	unknown	no structure taken	-	41	0.3	-	-	0.44	-	-	external	none	normal	normal	
ARGR		AKS09PWIJSSARGR001	25-Jun-09	WIJSS-BP01-P09	unknown	juvenile	immature	no structure taken	-	68	2.1	-	-	0.67	-	-	external	none	normal	normal	
		AKS09PWIJSSARGR002			unknown	juvenile	immature	no structure taken	-	76	2.4	-	-	0.55	-	-	external	none	normal	normal	
	AKS09PWIJSSARGR003	unknown			juvenile	immature	no structure taken	-	70	2.3	-	-	0.67	-	-	external	none	normal	normal		
	AKS09PWIJSSARGR004	unknown			juvenile	immature	no structure taken	-	74	2.6	-	-	0.64	-	-	external	none	normal	normal		
Lower Lake	Lunch/Andrew Stream	ARGR	AKS09PLUANSARGR001	28-Jun-09	LUANS-FN01-P09	male	adult	ripe	scales + otoliths	10	374	620	4.2	3.8	1.19	0.68	0.61	full	none	normal	normal
	Andrew/Shack Stream		ANSHS-FN01-P09		AKS09PANSHSARGR001	male	adult	ripe	scales	7	326	460	-	-	1.33	-	-	external	none	normal	normal
					AKS09PANSHSARGR002	unknown	adult	unknown	scales	8	340	510	-	-	1.30	-	-	external	none	normal	normal
					AKS09PANSHSARGR003	unknown	adult	unknown	scales	7	342	650	-	-	1.62	-	-	external	none	normal	normal
					AKS09PANSHSARGR004	unknown	adult	unknown	scales	7	330	620	-	-	1.73	-	-	external	none	normal	normal
	29-Jun-09		ANSHS-AN01-P09	AKS09PANSHSARGR005	unknown	adult	unknown	scales	10	400	820	-	-	1.28	-	-	external	none	normal	normal	
				AKS09PANSHSARGR006	unknown	adult	unknown	scales	7	320	510	-	-	1.56	-	-	external	none	normal	normal	
				AKS09PANSHSARGR007	male	adult	ripe	scales	11	360	820	-	-	1.76	-	-	external	none	normal	normal	
			ANSHS-BP01-P09	AKS09PANSHSARGR008	unknown	unknown	unknown	no structure taken	-	160	130	-	-	3.17	-	-	external	none	normal	normal	
				AKS09PANSHSARGR009	unknown	unknown	unknown	no structure taken	-	180	110	-	-	1.89	-	-	external	none	normal	normal	

Table X.IX-5
External and Internal Health Information of Fish Captured During the Arctic Grayling Spawning Survey, 2009

Sample ID ^(a)	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesenteric Fat	Stomach Contents	Capture/Release
AKS09PNEPLSNNST001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PPRROSARGR001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PPRROSRNWH001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PSSROSNNST003	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PSSROSNNST002	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PSSROSNNST004	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PSSROSNNST001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PROWISARGR001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS09PROWISARGR002	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PROWISARGR003	no active erosion	no shortening	normal	normal	no hemorrhage	normal	moderate infestation - copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	50%	mortality
AKS09PROWISARGR004	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09PROWISARGR005	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100% - Arctic grayling eggs in stomach	mortality
AKS09PROWISARGR006	no active erosion	no shortening	normal	normal	no hemorrhage	normal	minor infestation - copepods on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS09PROWISNNST001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PROWISNNST002	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PROWISCISC001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09PROWISRNWH001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PROWISRNWH002	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR002	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR003	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR004	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR005	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR006	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR007	minor erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR008	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR009	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSLKTR010	minor erosion - right pectoral fin frayed	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSSLSC001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSSLSC002	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSSLSC003	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSSLSC004	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSSLSC005	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSSLSC006	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSNNST001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSARGR001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSARGR002	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSARGR003	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PWIJSSARGR004	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PLUANSARGR001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	100%	mortality
AKS09PANSHSARGR001	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PANSHSARGR002	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PANSHSARGR003	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PANSHSARGR004	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PANSHSARGR005	no active erosion	no shortening	normal	normal	no hemorrhage	normal	minor infestation - copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PANSHSARGR006	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PANSHSARGR007	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PANSHSARGR008	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09PANSHSARGR009	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released

Notes: Fin ray age structures were deemed inconclusive by the sub-contractor.

^(a) = Sample Identification (ID) format was client code (three letters), year (two digits), season code (one letter), waterbody code (three to five letters), species code (four letters), and fish number (three digits).

^(b) = Date format was day/month/year.

^(c) = Station name included three letter waterbody code, fishing effort method and season code and year.

NNST = ninespine stickleback; ARGR = Arctic grayling; RNWH = round whitefish; CISC = cisco; LKTR = lake trout; SLSC = slimy sculpin; mm = millimetres; g = grams; K = condition factor; LSI = liversomatic index; GSI = gonadosomatic index; < = less than; GI = gastro-intestinal; Jun = June; % = percent; - = not analyzed or collected.

Table X.IX-6
External and Internal Health Information of Fish Captured During the Summer and Fall Fish Community and Chemistry Surveys, 2009

Sub-Basin	Waterbody and Watercourse	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	K	Health Assessment	Body Deformities	Eyes	Gills	Fins	Opercle	Pseudobranchs	Skin
Willow Lake	Pointer Lake	CISC	AKS09FPRLCISC001	22-Aug-09	PRL-GN02-F09	female	adult	unknown	scales + otoliths	3	193	69.5	0.97	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC002			male	adult	unknown	scales + otoliths	3	187	85.8	1.31	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC003	23-Aug-09	PRL-GN04-F09	female	adult	pre-spawning	scales + otoliths	6	342	527	1.32	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC004			male	adult	seasonal development	scales + otoliths	3	185	72.9	1.15	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC005			female	adult	seasonal development	scales + otoliths	4	245	182	1.24	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC006			female	adult	seasonal development	scales + otoliths	3	203	101	1.21	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC007			male	adult	seasonal development	scales + otoliths	3	208	110	1.22	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC008			female	adult	seasonal development	scales + otoliths	3	200	85	1.06	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC009			male	adult	seasonal development	scales + otoliths	3	193	79.6	1.11	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC010			male	adult	seasonal development	scales + otoliths	3	196	89.2	1.18	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC011			female	adult	seasonal development	scales + otoliths	3	194	78.9	1.08	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC012			PRL-GN03-F09	male	adult	seasonal development	scales + otoliths	3	193	80.6	1.12	external	none	normal	normal	no active erosion	no shortening	normal
			AKS09FPRLCISC013		male		adult	seasonal development	scales + otoliths	3	187	72.4	1.11	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FPRLCISC014		female		adult	seasonal development	scales + otoliths	3	190	102.2	1.49	none	-	-	-	-	-	-	-
			AKS09FPRLCISC015		female		adult	seasonal development	scales + otoliths	3	209	94.3	1.03	none	-	-	-	-	-	-	-
			AKS09FPRLCISC016		female		adult	seasonal development	scales + otoliths	3	205	104.5	1.21	none	-	-	-	-	-	-	-
			AKS09FPRLCISC017		female		adult	seasonal development	scales + otoliths	3	194	82.2	1.13	none	-	-	-	-	-	-	-
			AKS09FPRLCISC018		male		adult	seasonal development	scales + otoliths	3	197	87.2	1.14	none	-	-	-	-	-	-	-
			AKS09FPRLCISC019		male		adult	seasonal development	scales + otoliths	3	192	77.7	1.1	none	-	-	-	-	-	-	-
			AKS09FPRLCISC020		female		adult	seasonal development	scales + otoliths	3	195	84.6	1.14	none	-	-	-	-	-	-	-
			AKS09FPRLCISC021		female		adult	seasonal development	scales + otoliths	3	190	89.6	1.31	none	-	-	-	-	-	-	-
			AKS09FPRLCISC022		female		adult	seasonal development	scales + otoliths	3	187	76.9	1.18	none	-	-	-	-	-	-	-
			AKS09FPRLCISC023		female		adult	seasonal development	scales + otoliths	3	195	80.5	1.09	none	-	-	-	-	-	-	-
			AKS09FPRLCISC024		male		adult	seasonal development	scales + otoliths	3	190	86.4	1.26	none	-	-	-	-	-	-	-
			AKS09FPRLCISC025	male	adult		seasonal development	scales + otoliths	3	186	72.1	1.12	none	-	-	-	-	-	-	-	
			AKS09FPRLCISC026	female	adult		seasonal development	scales + otoliths	3	177	58.2	1.05	none	-	-	-	-	-	-	-	
			AKS09FPRLCISC027	female	adult		seasonal development	scales + otoliths	3	187	66.2	1.01	none	-	-	-	-	-	-	-	
			AKS09FPRLCISC028	female	adult		seasonal development	scales + otoliths	3	193	81.1	1.13	none	-	-	-	-	-	-	-	
			AKS09FPRLCISC029	female	adult		seasonal development	otoliths (sagittal)	3	205	105.6	1.23	none	-	-	-	-	-	-	-	
			AKS09FPRLCISC030	female	adult		seasonal development	otoliths (sagittal)	3	196	82.5	1.1	none	-	-	-	-	-	-	-	
			AKS09FPRLCISC031	male	adult		seasonal development	No Structure Taken	-	192	72.8	1.03	none	-	-	-	-	-	-	-	
			AKS09FPRLCISC032	female	adult	seasonal development	otoliths (sagittal)	3	186	75.6	1.17	none	-	-	-	-	-	-	-		
			AKS09FPRLCISC033	male	adult	seasonal development	otoliths (sagittal)	3	183	63.8	1.04	none	-	-	-	-	-	-	-		
			AKS09FPRLCISC034	PRL-GN04-F09	male	adult	seasonal development	otoliths (sagittal)	6	340	552.1	1.4	external	none	normal	normal	no active erosion	no shortening	normal	normal	
			AKS09FPRLCISC035		female	adult	seasonal development	otoliths (sagittal)	5	275	321	1.54	external	none	normal	normal	no active erosion	no shortening	normal	normal	
Lower Lake	Andrew Lake	ARGR	AKS09FANLARGR001	21-Aug-09	ANL-GN02-F09	unknown	unknown	unknown	scales + otoliths	2	164	95	2.15	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR002		ANL-GN01-F09	female	adult	unknown	scales + otoliths	6	315	500	1.6	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR003			unknown	unknown	unknown	scales + otoliths	3	206	117.2	1.34	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR004			male	adult	unknown	scales + otoliths	1	146	41.1	1.32	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR005			male	adult	unknown	scales + otoliths	1	147	36.6	1.15	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR006			unknown	unknown	unknown	scales + otoliths	1	128	33	1.57	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR007		ANL-GN02-F09	male	adult	unknown	scales + otoliths	2	190	83.1	1.21	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR008			male	adult	unknown	scales + otoliths	2	168	63.5	1.34	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR009			male	adult	unknown	scales + otoliths	1	135	30.8	1.25	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR010			male	adult	unknown	scales + otoliths	2	176	87.5	1.6	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR011			male	adult	unknown	scales + otoliths	2	182	79	1.31	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR012			male	adult	unknown	scales	2	-	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR013			male	adult	unknown	scales + otoliths	1	149	37.9	1.15	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR014			male	adult	unknown	scales + otoliths	2	189	101.5	1.5	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR015			unknown	unknown	unknown	scales	1	-	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR016			male	adult	unknown	scales + otoliths	3	188	73.3	1.1	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR017			male	adult	unknown	scales + otoliths	2	178	76.1	1.35	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR018			male	adult	unknown	scales	1	147	40.5	1.27	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR019			male	adult	unknown	scales + otoliths	2	149	47	1.42	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR020			male	adult	unknown	scales + otoliths	2	157	50.4	1.3	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR021			male	adult	unknown	scales	1	137	34.9	1.36	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR022			male	adult	unknown	scales + otoliths	2	130	35.7	1.62	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FANLARGR023			male	adult	unknown	scales	1	133	25.1	1.07	external	none	normal	normal	no active erosion	no shortening	normal	normal
			BURB		AKS09FANLBURB001	ANL-MT03-F09	unknown	unknown	unknown	no structure taken	-	63	2	0.8	none	-	-	-	-	-	-
			CISC		AKS09FANLCISC001	ANL-GN01-F09	unknown	unknown	unknown	scales + otoliths	4	239	175	1.28	external	none	normal	normal	no active erosion	no shortening	normal

Table X.IX-6
External and Internal Health Information of Fish Captured During the Summer and Fall Fish Community and Chemistry Surveys, 2009

Sub-Basin	Waterbody and Watercourse	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	K	Health Assessment	Body Deformities	Eyes	Gills	Fins	Opercle	Pseudobranchs	Skin
Judge Sissons Lake	Judge Sissons Lake	ARGR	AKS09FJSLARGR001	24-Aug-09	JSL-AN02-F09	female	adult	seasonal development	scales + otoliths	10	380	567	1.03	full	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FJSLARGR002			female	adult	seasonal development	scales + otoliths	7	304	313.6	1.12	full	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FJSLARGR003			female	adult	seasonal development	scales + otoliths	7	331	291.5	0.8	full	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FJSLARGR004			female	adult	seasonal development	scales + otoliths	8	349	473.3	1.11	full	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FJSLARGR005			female	adult	seasonal development	scales + otoliths	8	372	570.4	1.11	full	none	normal	normal	no active erosion	no shortening	normal	normal
		LKTR	AKS09FJSLLKTR001		JSL-AN01-F09	female	adult	resting	otoliths (sagittal)	33	719	4054	1.09	full	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FJSLLKTR002			female	adult	pre-spawning	otoliths (sagittal)	31	685	3345	1.04	full	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FJSLLKTR003			female	adult	pre-spawning	otoliths (sagittal)	39	648	3345	1.23	full	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FJSLLKTR004			female	adult	resting	otoliths (sagittal)	32	634	2230	0.88	full	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FJSLLKTR005			female	adult	resting	otoliths (sagittal)	14	525	1502	1.04	full	none	normal	normal	no active erosion	no shortening	normal	minor aberrations - skin blemish
Aniguq River	Aniguq River	ARGR	AKS09FAQRARGR001	25-Aug-09	AQR1-AN01-F09	unknown	adult	unknown	scales	9	379	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FAQRARGR002			unknown	adult	unknown	scales	10	386	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FAQRARGR003			unknown	adult	unknown	scales	9	382	-	-	external	none	normal	normal	moderate erosion - dorsal fin eroded	no shortening	normal	normal
			AKS09FAQRARGR004			unknown	adult	unknown	scales	7	315	450	1.44	external	none	normal	normal	no active erosion	no shortening	normal	severe aberrations - cut above right abdominal fin
			AKS09FAQRARGR005	26-Aug-09	AQR3-AN1-F09	unknown	adult	unknown	scales	8	368	780	1.57	external	none	normal	frayed	no active erosion	no shortening	normal	normal
			AKS09FAQRARGR006			unknown	adult	unknown	scales	9	354	650	1.47	external	none	normal	normal	minor erosion - left pectoral and dorsal fin erosion	no shortening	normal	minor aberrations - skin abrasion
			AKS09FAQRARGR007			unknown	adult	unknown	scales	9	360	690	1.48	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FAQRARGR008			unknown	adult	unknown	no structure taken	-	390	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FAQRARGR009			unknown	adult	unknown	no structure taken	-	380	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FAQRARGR010			unknown	adult	unknown	scales + otoliths	9	366	640	1.31	external	none	normal	normal	no active erosion	no shortening	normal	normal
			AKS09FAQRARGR011			unknown	adult	unknown	scales	8	369	530	1.05	external	none	normal	normal	minor erosion - tear on dorsal fin	no shortening	normal	normal
		LKTR	AKS09FAQRLKTR001	25-Aug-09	AQR1-AN01-F09	unknown	adult	unknown	no structure taken	-	566	1360	0.75	external	deformity - back sclerosis	normal	normal	minor erosion - dorsal fin frayed	no shortening	normal	normal
			AKS09FAQRLKTR002			unknown	adult	unknown	no structure taken	-	580	2550	1.31	external	none	normal	normal	no active erosion	no shortening	normal	minor aberrations - abrasion on snout
			AKS09FAQRLKTR003			unknown	adult	unknown	no structure taken	-	780	3530	0.74	external	none	normal	marginate and discolored	severe erosion - all fins frayed	no shortening	normal	minor aberrations - scratches
			AKS09FAQRLKTR004	26-Aug-09	AQR3-AN1-F09	unknown	adult	unknown	no structure taken	-	600	2600	1.2	external	none	normal	pale - both gills pale	severe erosion - all fins frayed	no shortening	normal	minor aberrations - abrasion on back
			AKS09FAQRLKTR005			unknown	adult	unknown	no structure taken	-	620	-	-	none	-	-	-	-	-	-	-

Table X.IX-6
External and Internal Health Information of Fish Captured During the Summer and Fall Fish Community and Chemistry Surveys, 2009

Sample ID ^(a)	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesenteric Fat	Stomach Contents	Capture/Release
AKS09FPRLCISC001	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC002	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC003	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, sacrificed
AKS09FPRLCISC004	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, sacrificed
AKS09FPRLCISC005	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, sacrificed
AKS09FPRLCISC006	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, sacrificed
AKS09FPRLCISC007	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, sacrificed
AKS09FPRLCISC008	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC009	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC010	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC011	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC012	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC013	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC014	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC015	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC016	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC017	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC018	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC019	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC020	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC021	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC022	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC023	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC024	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC025	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC026	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC027	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC028	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC029	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC030	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC031	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC032	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC033	-	-	-	-	-	-	-	-	-	-	-	-	mortality
AKS09FPRLCISC034	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, sacrificed
AKS09FPRLCISC035	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, sacrificed
AKS09FANLARGR001	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR002	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR003	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR004	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR005	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR006	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR007	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR008	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR009	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR010	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR011	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR012	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR013	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR014	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR015	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR016	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR017	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR018	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR019	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR020	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR021	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR022	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLARGR023	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality
AKS09FANLBURB001	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FANLCISC001	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	mortality

Table X.IX-6
External and Internal Health Information of Fish Captured During the Summer and Fall Fish Community and Chemistry Surveys, 2009

Sample ID ^(a)	Thymus	Hindgut	External Parasites	Internal Parasites	Internal Parasite Type	Gonads	Kidney	Spleen	Gall Bladder	Liver	Mesenteric Fat	Stomach Contents	Capture/Release
AKS09FJSLARGR001	no hemorrhage	normal	none	none	none	normal	normal	normal	other - not visible	normal	50% of GI tract	> 50% - fish in stomach	first capture, sacrificed
AKS09FJSLARGR002	no hemorrhage	normal	moderate infestation - parasite on gills	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	< 50% - fish in stomach	first capture, sacrificed
AKS09FJSLARGR003	no hemorrhage	normal	minor infestation - parasite on right gil	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50% - dirt in stomach	first capture, sacrificed
AKS09FJSLARGR004	no hemorrhage	normal	minor infestation - parasite on right gil	none	none	normal	normal	normal	normal	normal	50% of GI tract	50%	first capture, sacrificed
AKS09FJSLARGR005	no hemorrhage	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	< 50%	first capture, sacrificed
AKS09FJSLLKTR001	no hemorrhage	normal	none	none	none	normal	normal	normal	normal	normal	50% of GI tract	> 50% - fish in stomach	first capture, sacrificed
AKS09FJSLLKTR002	no hemorrhage	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	0%	first capture, sacrificed
AKS09FJSLLKTR003	no hemorrhage	normal	none	none	none	normal	normal	normal	normal	normal	< 50% of GI tract	0%	first capture, sacrificed
AKS09FJSLLKTR004	no hemorrhage	normal	none	cyst on heart and liver; worm on liver	moderate infestation	normal	normal	normal	normal	normal	< 50% of GI tract	0%	first capture, sacrificed
AKS09FJSLLKTR005	no hemorrhage	normal	none	cyst on heart	moderate infestation	normal	normal	normal	other - not visible	normal	< 50% of GI tract	< 50%	first capture, sacrificed
AKS09FAQRARGR001	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQRARGR002	no hemorrhage	normal	minor infestation - copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQRARGR003	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQRARGR004	no hemorrhage	normal	minor infestation - copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQRARGR005	no hemorrhage	normal	minor infestation - copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQRARGR006	no hemorrhage	normal	minor infestation - copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQRARGR007	no hemorrhage	normal	minor infestation - copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQRARGR008	no hemorrhage	normal	minor infestation - copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQRARGR009	no hemorrhage	normal	minor infestation - copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQRARGR010	no hemorrhage	normal	minor infestation - copepods on right gil	-	-	-	-	-	-	-	-	-	mortality
AKS09FAQRARGR011	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQLKTR001	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQLKTR002	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQLKTR003	no hemorrhage	normal	minor infestation - copepods on gills	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQLKTR004	no hemorrhage	normal	none	-	-	-	-	-	-	-	-	-	first capture, released
AKS09FAQLKTR005	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released

Notes: Fin ray age structures were deemed inconclusive by the sub-contractor.
^(a) = Sample Identification (ID) format was client code (three letters), year (two digits), season code (one letter), waterbody code (three to five letters), species code (four letters), and fish number (three digits).
^(b) = Date format was day/month/year.
^(c) = Station name included three letter waterbody code, fishing effort method and season code and year.
CISC = cisco; ARGR = Arctic grayling; BURB = burbot; LKTR = lake trout; mm = millimetres; g = grams; K = condition factor; < = less than; % = percent; - = not analyzed or collected; Aug = August; GI = gastro-intestinal.

Table X.IX-7
External Health Information of Fish Captured During the Road Crossing Surveys, 2009

New Crossing ID (EBA)	Crossing ID (Golder)	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	K	Health Assessment	Body Deformities	Eyes	Gills	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Capture/Release	
Km 6.7	NC30 Stream	ARGR	AKS09UNC30ARGR001	23-Jul-09	NC30-OBS1-U09	unknown	juvenile	immature	no structure taken	-	35	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released	
			unknown			juvenile	immature	no structure taken	-	33	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
			unknown			juvenile	immature	no structure taken	-	31	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
			unknown			juvenile	immature	no structure taken	-	38	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
			unknown			juvenile	immature	no structure taken	-	35	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
			unknown			juvenile	immature	no structure taken	-	35	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
Km 11.3	NC29 Stream	ARGR	AKS09UNC29ARGR001	23-Jul-09	NC29-BP1-U09	unknown	juvenile	immature	scales	3	177	89.3	1.61	none	-	-	-	-	-	-	-	-	-	-	first capture, released	
		SLSC	unknown			unknown	unknown	no structure taken	-	78	4.9	1.03	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			unknown			unknown	unknown	no structure taken	-	52	2.8	1.99	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			unknown			unknown	unknown	no structure taken	-	42	1.6	2.16	none	-	-	-	-	-	-	-	-	-	-	-	-	-
Km 15.6	NC27 Stream	NNST	AKS09UNC27NNST001	23-Jul-09	NC27-BP1-U09	unknown	unknown	unknown	no structure taken	-	50	0.9	0.72	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released	
			unknown			juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
		ARGR	AKS09UNC26ARGR002	unknown	juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR003	unknown	juvenile	immature	no structure taken	-	33	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR004	unknown	juvenile	immature	no structure taken	-	104	11.6	1.03	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR005	unknown	juvenile	immature	no structure taken	-	28	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR006	unknown	juvenile	immature	no structure taken	-	28	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR007	unknown	juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR008	unknown	juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR009	unknown	juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR010	unknown	juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR011	unknown	juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR012	unknown	juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
			AKS09UNC26ARGR013	unknown	juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	mortality			
			AKS09UNC26ARGR014	unknown	juvenile	immature	no structure taken	-	30	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	mortality			
			NNST	AKS09UNC26NNST001	unknown	adult	unknown	no structure taken	-	72	1.9	0.51	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
				AKS09UNC26NNST002	unknown	unknown	unknown	no structure taken	-	60	1.2	0.56	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
				AKS09UNC26SLSC001	unknown	unknown	unknown	no structure taken	-	94	4.5	0.54	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
				AKS09UNC26SLSC002	unknown	unknown	unknown	no structure taken	-	71	3.8	1.06	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
				AKS09UNC26SLSC003	unknown	unknown	unknown	no structure taken	-	84	5.4	0.91	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
				AKS09UNC26SLSC004	unknown	unknown	unknown	no structure taken	-	55	0.7	0.42	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
				AKS09UNC26SLSC005	unknown	unknown	unknown	no structure taken	-	73	3.7	0.95	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released		
		AKS09UNC26SLSC006		unknown	unknown	unknown	no structure taken	-	55	2.2	1.32	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC007		unknown	unknown	unknown	no structure taken	-	50	1.5	1.2	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC008		unknown	unknown	unknown	no structure taken	-	60	1.2	0.56	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC009		unknown	unknown	unknown	no structure taken	-	34	1	2.54	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC010		unknown	unknown	unknown	no structure taken	-	65	3	1.09	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC011		unknown	unknown	unknown	no structure taken	-	55	1.9	1.14	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC012		unknown	unknown	unknown	no structure taken	-	51	1.5	1.13	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC013		unknown	unknown	unknown	no structure taken	-	68	3.9	1.24	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC014		unknown	unknown	unknown	no structure taken	-	78	3.1	0.65	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC015		unknown	unknown	unknown	no structure taken	-	50	1.2	0.96	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC016		unknown	unknown	unknown	no structure taken	-	50	1.5	1.2	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC017		unknown	unknown	unknown	no structure taken	-	53	1	0.67	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC018		unknown	unknown	unknown	no structure taken	-	50	1.1	0.88	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC019		unknown	unknown	unknown	no structure taken	-	50	1.3	1.04	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC020		unknown	unknown	unknown	no structure taken	-	55	2.1	1.26	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC021		unknown	unknown	unknown	no structure taken	-	80	4.2	0.82	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC022		unknown	unknown	unknown	no structure taken	-	53	1.1	0.74	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC023		unknown	unknown	unknown	no structure taken	-	60	2.9	1.34	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC024		unknown	unknown	unknown	no structure taken	-	71	2	0.56	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC025		unknown	unknown	unknown	no structure taken	-	50	0.7	0.56	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC026		unknown	unknown	unknown	no structure taken	-	51	1.4	1.06	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC027		unknown	unknown	unknown	no structure taken	-	56	2	1.14	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC028		unknown	unknown	unknown	no structure taken	-	90	6.9	0.95	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC029		unknown	unknown	unknown	no structure taken	-	75	4.7	1.11	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC030		unknown	unknown	unknown	no structure taken	-	100	8.5	0.85	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC031		unknown	unknown	unknown	no structure taken	-	70	3.6	1.05	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC032		unknown	unknown	unknown	no structure taken	-	78	4.4	0.93	external	none	normal	normal	no active erosion	minor shortening	normal	normal	no hemorrhage	normal	none	first capture, released			
		AKS09UNC26SLSC033	unknown	unknown	unknown	no structure taken	-	78	4.5	0.95	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released				
		AKS09UNC26SLSC034	unknown	unknown	unknown	no structure taken	-	74	4.2	1.04	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released				
		AKS09UNC26SLSC035	unknown	unknown	unknown	no structure taken	-	52	1.4	1	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released				
		AKS09UNC26SLSC036	unknown	unknown	unknown	no structure taken	-	75	4.8	1.14	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released				
		AKS09UNC26SLSC037	unknown	unknown	unknown	no structure taken	-	53	1.5	1.01	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released				
AKS09UNC26SLSC038	unknown	unknown	unknown	no structure taken	-	56	2.6	1.48	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released						
AKS09UNC26SLSC039	unknown	unknown	unknown	no structure taken	-	66	3.3	1.15	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released						
AKS09UNC26SLSC040	unknown	unknown	unknown	no structure taken	-	57	2	1.08	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released						
AKS09UNC26SLSC041	unknown	unknown	unknown	no structure taken	-	62	2.6	1.09	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released						
AKS09UNC26SLSC042	unknown	unknown	unknown	no structure taken	-	60	2.2	1.02	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released						
AKS09UNC26SLSC043	unknown	unknown	unknown	no structure taken	-	55	1.3	0.78	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released						

Table X.IX-7
External Health Information of Fish Captured During the Road Crossing Surveys, 2009

New Crossing ID (EBA)	Crossing ID (Golder)	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	K	Health Assessment	Body Deformities	Eyes	Gills	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Capture/Release				
alternate W2	W2 Stream	NNST	AKS09UW2NNST001	26-Jul-09	W2-BP1-U09	unknown	juvenile	unknown	no structure taken	-	53	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released				
			AKS09UW2NNST002			unknown	adult	unknown	no structure taken	-	61	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released			
S03	S03 Stream	ARGR	AKS09FS03ARGR001	29-Aug-09	S03-BP1-F09	unknown	unknown	unknown	scales	1	151	33.8	0.98	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	-	first capture, released			
			AKS09FS03ARGR002			unknown	unknown	unknown	no structure taken	-	51	1.1	0.83	none	-	-	-	-	-	-	-	-	-	-	-	first capture, released			
			AKS09FS03ARGR003			unknown	unknown	unknown	no structure taken	-	54	1.2	0.76	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS03ARGR004			unknown	juvenile	unknown	no structure taken	-	64	2.2	0.84	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS03NNST001			unknown	unknown	unknown	no structure taken	-	40	0.2	0.31	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
		NNST	AKS09FS03NNST002			unknown	unknown	unknown	no structure taken	-	36	0.3	0.64	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST003			unknown	unknown	unknown	no structure taken	-	46	0.2	0.21	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST004			unknown	unknown	unknown	no structure taken	-	36	0.1	0.21	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST005			unknown	unknown	unknown	no structure taken	-	46	0.4	0.41	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST006			unknown	unknown	unknown	no structure taken	-	45	0.2	0.22	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST007			unknown	unknown	unknown	no structure taken	-	39	0.2	0.34	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST008			unknown	unknown	unknown	no structure taken	-	64	1.2	0.46	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST009			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST010			unknown	unknown	unknown	no structure taken	-	37	0.1	0.2	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST011			unknown	fry	unknown	no structure taken	-	26	-	-	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST012			unknown	unknown	unknown	no structure taken	-	44	0.3	0.35	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST013			unknown	unknown	unknown	no structure taken	-	43	0.3	0.38	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST014			unknown	unknown	unknown	no structure taken	-	35	0.2	0.47	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST015			unknown	unknown	unknown	no structure taken	-	36	0.2	0.43	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST016			unknown	unknown	unknown	no structure taken	-	33	0.1	0.28	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST017			unknown	unknown	unknown	no structure taken	-	44	0.2	0.23	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST018			unknown	unknown	unknown	no structure taken	-	49	0.5	0.42	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST019			unknown	unknown	unknown	no structure taken	-	54	0.7	0.44	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS03NNST020			unknown	unknown	unknown	no structure taken	-	61	1.4	0.62	none	-	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
		SLSC	AKS09FS03SLSC001			unknown	unknown	unknown	no structure taken	-	83	6	1.05	none	-	-	-	none	-	-	-	-	-	-	-	-	-	first capture, released	
		S05	S05 Stream			BURB	AKS09FS05BURB001			unknown	juvenile	unknown	no structure taken	-	60	1.4	0.65	none	-	-	-	-	-	-	-	-	-	-	first capture, released
NNST	AKS09FS05NNST001			unknown	unknown	unknown	no structure taken			-	62	1.3	0.55	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
	AKS09FS05NNST002			unknown	fry	unknown	no structure taken			-	27	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
	AKS09FS05NNST003			unknown	unknown	unknown	no structure taken			-	41	0.3	0.44	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
	AKS09FS05NNST004			unknown	fry	unknown	no structure taken			-	24	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
	AKS09FS05NNST005			unknown	fry	unknown	no structure taken			-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
	AKS09FS05NNST006			unknown	unknown	unknown	no structure taken			-	43	0.5	0.63	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
	AKS09FS05NNST007			unknown	unknown	unknown	no structure taken			-	34	0.1	0.25	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
	AKS09FS05NNST008			unknown	unknown	unknown	no structure taken			-	69	1.4	0.43	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
	AKS09FS05NNST009			unknown	fry	unknown	no structure taken			-	23	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
S11	S11 Stream			NNST	AKS09FS11NNST001	28-Aug-09	S05-BP1-F09			unknown	unknown	unknown	no structure taken	-	34	0.1	0.25	none	-	-	-	-	-	-	-	-	-	-	first capture, released
		AKS09FS11NNST002	unknown		fry			unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	first capture, released			
		AKS09FS11NNST003	unknown		fry			unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
		AKS09FS11NNST004	unknown		unknown			unknown	no structure taken	-	34	0.2	0.51	none	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
		AKS09FS11NNST005	unknown		fry			unknown	no structure taken	-	23	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST006	unknown		fry			unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST007	unknown		fry			unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST008	unknown		fry			unknown	no structure taken	-	26	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST009	unknown		fry			unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST010	unknown		fry			unknown	no structure taken	-	24	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST011	unknown		fry			unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST012	unknown		fry			unknown	no structure taken	-	17	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST013	unknown		fry			unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST014	unknown		fry			unknown	no structure taken	-	23	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST015	unknown		fry			unknown	no structure taken	-	17	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST016	unknown		fry			unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST017	unknown		fry			unknown	no structure taken	-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST018	unknown		fry			unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST019	unknown		fry			unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST020	unknown		unknown			unknown	no structure taken	-	30	0.1	0.37	none	-	-	-	none	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST021	unknown		fry			unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST022	unknown		fry			unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST023	unknown		fry			unknown	no structure taken	-	23	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST024	unknown		fry			unknown	no structure taken	-	26	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
		AKS09FS11NNST025	unknown		fry			unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
AKS09FS11NNST026	unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released						
AKS09FS11NNST027	unknown	unknown	unknown	no structure taken	-	39	0.3	0.51	none	-	-	-	none	-	-	-	-	-	-	-	-	-	first capture, released						

Table X.IX-7
External Health Information of Fish Captured During the Road Crossing Surveys, 2009

New Crossing ID (EBA)	Crossing ID (Golder)	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	K	Health Assessment	Body Deformities	Eyes	Gills	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Capture/Release						
S11	S11 Stream	NNST	AKS09FS11NNST028	28-Aug-09	S05-BP1-F09	unknown	unknown	unknown	no structure taken	-	33	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released						
			AKS09FS11NNST029			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
			AKS09FS11NNST030			unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released			
			AKS09FS11NNST031			unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST032			unknown	unknown	unknown	no structure taken	-	29	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
			AKS09FS11NNST033			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
			AKS09FS11NNST034			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
			AKS09FS11NNST035			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released	
			AKS09FS11NNST036			unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST037			unknown	fry	unknown	no structure taken	-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST038			unknown	fry	unknown	no structure taken	-	26	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST039			unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST040			unknown	unknown	unknown	no structure taken	-	31	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST041			unknown	unknown	unknown	no structure taken	-	29	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST042			unknown	unknown	unknown	no structure taken	-	29	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST043			unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST044			unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST045			unknown	fry	unknown	no structure taken	-	24	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST046			unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST047			unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST048			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST049			unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST050			unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST051			unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST052			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST053			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST054	unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST055	unknown	fry	unknown	no structure taken	-	27	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST056	unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST057	unknown	unknown	unknown	no structure taken	-	31	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST058	unknown	fry	unknown	no structure taken	-	23	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST059	unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST060	unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST061	unknown	fry	unknown	no structure taken	-	28	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST062	unknown	fry	unknown	no structure taken	-	27	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST063	unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST064	unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST065	unknown	fry	unknown	no structure taken	-	17	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST066	unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST067	unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST068	unknown	unknown	unknown	no structure taken	-	31	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST069	unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST070	unknown	unknown	unknown	no structure taken	-	30	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST071	unknown	unknown	unknown	no structure taken	-	32	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST072	unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST073	unknown	fry	unknown	no structure taken	-	27	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST074	unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST075	unknown	fry	unknown	no structure taken	-	23	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST076	unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
			AKS09FS11NNST077	unknown	fry	unknown	no structure taken	-	17	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released		
AKS09FS11NNST078	unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST079	unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST080	unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST081	unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST082	unknown	fry	unknown	no structure taken	-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST083	unknown	fry	unknown	no structure taken	-	27	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST084	unknown	fry	unknown	no structure taken	-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST085	unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST086	unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST087	unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST088	unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					
AKS09FS11NNST089	unknown	unknown	unknown	no structure taken	-	32	-	-	none	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	first capture, released					

Table X.IX-7
External Health Information of Fish Captured During the Road Crossing Surveys, 2009

New Crossing ID (EBA)	Crossing ID (Golder)	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	K	Health Assessment	Body Deformities	Eyes	Gills	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Capture/Release
S11	S11 Stream	NNST	AKS09FS11NNST090	28-Aug-09	S11-BP1-F09	unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST091			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST092			unknown	fry	unknown	no structure taken	-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST093			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST094			unknown	fry	unknown	no structure taken	-	26	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST095			unknown	unknown	unknown	no structure taken	-	31	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST096			unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST097			unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST098			unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST099			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST100			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST101			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST102			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST103			unknown	fry	unknown	no structure taken	-	23	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST104			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST105			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST106			unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST107			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST108			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST109			unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST110			unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST111			unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST112			unknown	fry	unknown	no structure taken	-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST113			unknown	fry	unknown	no structure taken	-	23	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST114			unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST115			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST116			unknown	fry	unknown	no structure taken	-	29	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST117			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST118			unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST119			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST120			unknown	fry	unknown	no structure taken	-	17	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST121			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST122			unknown	fry	unknown	no structure taken	-	16	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST123			unknown	fry	unknown	no structure taken	-	29	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST124			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST125			unknown	fry	unknown	no structure taken	-	17	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST126			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST127			unknown	fry	unknown	no structure taken	-	27	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST128			unknown	unknown	unknown	no structure taken	-	31	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST129			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST130			unknown	fry	unknown	no structure taken	-	26	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST131			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST132			unknown	fry	unknown	no structure taken	-	18	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST133			unknown	fry	unknown	no structure taken	-	24	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST134			unknown	fry	unknown	no structure taken	-	27	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST135			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST136			unknown	fry	unknown	no structure taken	-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST137			unknown	fry	unknown	no structure taken	-	27	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST138			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST139			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST140			unknown	fry	unknown	no structure taken	-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST141			unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST142			unknown	fry	unknown	no structure taken	-	21	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST143			unknown	fry	unknown	no structure taken	-	26	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST144			unknown	unknown	unknown	no structure taken	-	34	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST145			unknown	fry	unknown	no structure taken	-	27	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST146			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST147			unknown	fry	unknown	no structure taken	-	22	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST148			unknown	fry	unknown	no structure taken	-	25	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST149			unknown	fry	unknown	no structure taken	-	19	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released
			AKS09FS11NNST150			unknown	fry	unknown	no structure taken	-	20	-	-	none	-	-	-	-	-	-	-	-	-	-	first capture, released

Table X.IX-7
External Health Information of Fish Captured During the Road Crossing Surveys, 2009

New Crossing ID (EBA)	Crossing ID (Golder)	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Sex	Life Stage	Maturity	Age Structure	Age (years)	Length (mm)	Total Body Weight (g)	K	Health Assessment	Body Deformities	Eyes	Gills	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Capture/Release
S13	S13 Stream	NNST	AKS09FS13NNST001	28-Aug-09	S13-BP1-F09	unknown	fry	unknown	no structure taken	-	16	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13NNST002			unknown	unknown	unknown	no structure taken	-	63	1.3	0.52	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13NNST003			unknown	fry	unknown	no structure taken	-	27	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13NNST004			unknown	unknown	unknown	no structure taken	-	70	2	0.58	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13NNST005			unknown	fry	unknown	no structure taken	-	25	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13NNST006			unknown	unknown	unknown	no structure taken	-	42	0.4	0.54	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
		SLSC	AKS09FS13SLSC001			unknown	unknown	unknown	no structure taken	-	32	0.3	0.92	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC002			unknown	unknown	unknown	no structure taken	-	86	6.1	0.96	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC003			unknown	unknown	unknown	no structure taken	-	71	3.8	1.06	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC004			unknown	unknown	unknown	no structure taken	-	69	3.2	0.97	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC005			unknown	unknown	unknown	no structure taken	-	79	6.4	1.3	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC006			unknown	unknown	unknown	no structure taken	-	73	4.3	1.11	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC007			unknown	unknown	unknown	no structure taken	-	82	6.3	1.14	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC008			unknown	unknown	unknown	no structure taken	-	52	1.7	1.21	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC009			unknown	unknown	unknown	no structure taken	-	68	3.4	1.08	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC010			unknown	unknown	unknown	no structure taken	-	67	3.3	1.1	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC011			unknown	unknown	unknown	no structure taken	-	75	3.8	0.9	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS13SLSC011			unknown	unknown	unknown	no structure taken	-	67	3.6	1.2	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
S14	S14 Stream	ARGR	AKS09FS14ARGR001		S14-BP1-F09	unknown	juvenile	unknown	no structure taken	-	54	1.1	0.7	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
		NNST	AKS09FS14NNST001			unknown	unknown	unknown	no structure taken	-	61	1.4	0.62	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST002			unknown	unknown	unknown	no structure taken	-	55	0.8	0.48	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST003			unknown	unknown	unknown	no structure taken	-	33	0.3	0.83	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST004			unknown	fry	unknown	no structure taken	-	18	0.1	1.71	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST005			unknown	unknown	unknown	no structure taken	-	41	0.4	0.58	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST006			unknown	unknown	unknown	no structure taken	-	56	1.4	0.8	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST007			unknown	fry	unknown	no structure taken	-	24	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST008			unknown	fry	unknown	no structure taken	-	26	0.1	0.57	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST009			unknown	fry	unknown	no structure taken	-	27	0.1	0.51	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST010			unknown	fry	unknown	no structure taken	-	22	0.1	0.94	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST011			unknown	unknown	unknown	no structure taken	-	37	0.3	0.59	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST012			unknown	fry	unknown	no structure taken	-	22	0.1	0.94	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST013			unknown	unknown	unknown	no structure taken	-	30	0.1	0.37	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST014			unknown	fry	unknown	no structure taken	-	20	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST015			unknown	fry	unknown	no structure taken	-	23	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST016			unknown	fry	unknown	no structure taken	-	24	0.1	0.72	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST017			unknown	fry	unknown	no structure taken	-	23	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST018			unknown	fry	unknown	no structure taken	-	27	0.1	0.51	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST019			unknown	fry	unknown	no structure taken	-	26	0.1	0.57	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST020			unknown	unknown	unknown	no structure taken	-	32	0.2	0.61	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST021			unknown	fry	unknown	no structure taken	-	20	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST022			unknown	unknown	unknown	no structure taken	-	34	0.2	0.51	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST023			unknown	fry	unknown	no structure taken	-	20	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST024			unknown	fry	unknown	no structure taken	-	22	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST025			unknown	unknown	unknown	no structure taken	-	29	0.2	0.82	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST026			unknown	fry	unknown	no structure taken	-	21	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST027			unknown	fry	unknown	no structure taken	-	20	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST028			unknown	fry	unknown	no structure taken	-	22	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST029			unknown	fry	unknown	no structure taken	-	26	0.1	0.57	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST030			unknown	fry	unknown	no structure taken	-	21	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST031			unknown	fry	unknown	no structure taken	-	19	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST032			unknown	fry	unknown	no structure taken	-	19	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST033			unknown	fry	unknown	no structure taken	-	24	0.1	0.72	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST034			unknown	fry	unknown	no structure taken	-	19	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST035			unknown	fry	unknown	no structure taken	-	19	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST036			unknown	fry	unknown	no structure taken	-	21	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST037			unknown	fry	unknown	no structure taken	-	21	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS09FS14NNST038			unknown	fry	unknown	no structure taken	-	20	-	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released

Notes: Fin ray age structures were deemed inconclusive by the sub-contractor.

^(a) = Sample identification format was client code (three letters), year (two digits), season code (one letter), waterbody code (three to five letters), species code (four letters), and fish number (three digits).

^(b) = Date format was day/month/year.

^(c) = Station name included waterbody code-fishing effort code-season code and year.

ARGR = Arctic grayling; BURB = burbot; LKTR = lake trout; LNSC = longnose sucker; NNST = ninespine stickleback; SLSC = slimy sculpin; RNWH = round whitefish; mm = millimetres; g = grams; K = condition factor; - = not analyzed or collected; Aug = August; Jul = July.

Table X.IX-8
External Health Information of Fish Captured During the Spring Fish Community Survey, 2010

Sub-Basin	Watercourse	Species	Sample ID ^(a)	Date ^(b)	Station ^(c)	Electrofishing Pass	Sex	Life Stage	Maturity	Age Structure	Total Length (mm)	Total Body Weight (g)	Health Assessment	Body Deformities	Eyes	Gills	Fins	Opercle	Pseudobranchs	Skin	Thymus	Hindgut	External Parasites	Capture/Release
Willow Lake	Northwest Inflow of Pointer Lake	SLSC	AKS10PNWPLSSLSC001	2-Jul-10	NWPLS-BP01-P10	1	unknown	unknown	unknown	no structure taken	62	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS10PNWPLSSLSC002				unknown	unknown	unknown	no structure taken	41	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS10PNWPLSSLSC003				unknown	unknown	unknown	no structure taken	74	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS10PNWPLSSLSC004			2	unknown	unknown	unknown	no structure taken	51	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS10PNWPLSSLSC005				unknown	unknown	unknown	no structure taken	56	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS10PNWPLSSLSC006				unknown	unknown	unknown	no structure taken	40	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS10PNWPLSSLSC007			3	unknown	unknown	unknown	no structure taken	54	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released
			AKS10PNWPLSSLSC008				unknown	unknown	unknown	no structure taken	54	-	external	none	normal	normal	no active erosion	no shortening	normal	normal	no hemorrhage	normal	none	first capture, released

Notes: Fin ray age structures were deemed inconclusive by the sub-contractor.
^(a) = Sample identification (ID) format was client code (three letters), year (two digits), season code (one letter), waterbody code (five letters), species code (four letters), and fish number (three digits).
^(b) = Date format was day/month/year.
^(c) = Station name included waterbody code-fishing effort code-season code and year.
SLSC = slimy sculpin; mm = millimetres; g = grams; - = not analyzed or collected.

Table X.IX-9
Statistics for Fish Health Parameters Measured in Fish Captured During the Fish Community Survey, 2007

Sub-Basin	Waterbody	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Arctic Grayling										
Willow Lake	Pointer Lake	length	mm	2	193	193	94.75	67	126	260
		total body weight	g	2	135	135	162.63	115	20	250
		condition factor	-	2	1.21	1.21	0.30	0.21	1.00	1.42
	Willow Lake	length	mm	1	240	-	-	-	-	-
		total body weight	g	1	200	-	-	-	-	-
		condition factor	-	1	1.45	-	-	-	-	-
Lower Lake	Eng Grid Lake	length	mm	3	62.67	65	4.93	2.85	57	66
		total body weight	g	3	3	3	0.51	0.30	3	4
		condition factor	-	3	1.20	1.22	0.17	0.10	1.02	1.35
	Lower Lake	length	mm	2	117	117	-	-	116	118
		total body weight	g	2	15	15	-	-	14	16
		condition factor	-	2	0.94	0.94	-	-	0.85	1.03
Caribou Lake	Crash Lake	length	mm	2	71	71	-	-	70	72
		total body weight	g	2	4	4	-	-	4	4
		condition factor	-	2	1.12	1.12	-	-	1.07	1.17
Burbot										
Lower Lake	Andrew Lake	length	mm	1	70	-	-	-	-	-
		total body weight	g	1	4	-	-	-	-	-
		condition factor	-	1	1.17	-	-	-	-	-
Cisco										
Willow Lake	Pointer Lake	length	mm	1	304	-	-	-	-	-
		total body weight	g	1	425	-	-	-	-	-
		condition factor	-	1	1.51	-	-	-	-	-
Lake Trout										
Willow Lake	Pointer Lake	length	mm	1	712	-	-	-	-	-
		total body weight	g	1	4000	-	-	-	-	-
		condition factor	-	1	1.11	-	-	-	-	-
Ninespine Stickleback										
Willow Lake	Pointer Lake	length	mm	5	57.20	56	5.63	2.52	49	63
		total body weight	g	5	2	2	0.00	0.00	2	2
		condition factor	-	5	1.12	1.14	0.36	0.16	0.80	1.70
	Sik Sik Lake	length	mm	3	62.33	64	5.69	3.28	56	67
		total body weight	g	3	2	2	0.20	0.12	2	2
		condition factor	-	3	0.91	0.80	0.35	0.20	0.63	1.31
Caribou Lake	Cirque Lake	length	mm	7	54.57	55	6.55	2.48	45	65
		total body weight	g	7	2	2	1.13	0.43	1	4
		condition factor	-	7	1.44	1.42	0.48	0.18	0.93	2.40

n = number of fish sampled for each parameter; SD = standard deviation; SE = standard error; min = minimum; max = maximum; mm = millimetre; g = gram; - = not applicable.

Table X.IX-10
Statistics for Fish Health Parameters Measured in Fish Captured During the Arctic Grayling Spawning Survey, 2008

Sub-Basin	Watercourse	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Arctic Grayling										
Caribou Lake	Calf/Judge Sissons Stream	age	years	1	4	-	-	-	-	-
		length	mm	1	220	-	-	-	-	-
		total body weight	g	1	170	-	-	-	-	-
		condition factor	-	1	1.60	-	-	-	-	-
Lake Trout										
Willow Lake	Northwest Inflow of Pointer Stream	length	mm	2	613	613	-	-	580	645
		total body weight	g	2	2,560	2,560	-	-	2,310	2,810
		condition factor	-	2	1.12	1.12	-	-	1.05	1.18
Lower Lake	Mushroom/End Grid Stream	length	mm	2	440	440	-	-	398	482
		total body weight	g	2	1,020	1,020	-	-	730	1,310
		condition factor	-	2	1.17	1.17	-	-	1.16	1.17
	Shack/Lower Stream	length	mm	2	635	635	-	-	580	690
		total body weight	g	2	2,640	2,640	-	-	2,350	2,930
		condition factor	-	2	1.05	1.05	-	-	0.89	1.20
	Lower/Judge Sissons Stream	length	mm	6	648	665	62	25	560	720
		total body weight	g	6	2,802	2,610	919	375	2,050	4,580
		condition factor	-	6	1.02	0.96	0.17	0.07	0.86	1.23
Caribou Lake	Calf/Judge Sissons Stream	length	mm	6	545	555	46	19	470	605
		total body weight	g	6	1,848	1,835	422	172	1,230	2,350
		condition factor	-	6	1.13	1.14	0.08	0.03	1.02	1.24
Ninespine Stickleback										
Willow Lake	Northeast Inflow of Pointer Lake Stream	length	mm	2	32	32	-	-	27	37

n = number of fish sampled for each parameter; SD = standard deviation; SE = standard error; min = minimum; max = maximum; mm = millimetre; g = gram; - = not applicable.

Table X.IX-11

Statistics for Fish Health Parameters Measured in Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Arctic Grayling										
Willow Lake	Pointer Lake	age	years	14	3.79	3.5	0.89	0.24	3	5
		length	mm	14	231.57	206	45.93	12.28	184	318
		total body weight	g	14	183.57	115	123.58	33.03	80	500
		condition factor	-	14	1.31	1.30	0.13	0.04	1.13	1.55
		liver weight	g	5	2.78	2.56	0.91	0.41	1.83	4.24
		LSI	%	5	0.87	0.85	0.12	0.05	0.73	1.01
		gonad weight	g	5	2.25	2.62	1.56	0.70	0.28	4.18
		GSI	%	5	0.65	0.84	0.36	0.16	0.11	0.93
	Rock Lake	age	years	2	2	2	-	-	2	2
		length	mm	10	150.80	158	27.32	8.64	75	170
		total body weight	g	3	46.67	50	5.77	3.33	40	50
Lower Lake	Mushroom Lake	condition factor	-	3	1.16	1.10	0.14	0.08	1.05	1.32
		age	years	5	8.20	8	0.84	0.37	7	9
		length	mm	5	339.40	334	15.09	6.75	324	360
		total body weight	g	5	492.00	480	46.04	20.59	450	550
		condition factor	-	5	1.26	1.24	0.09	0.04	1.18	1.41
		liver weight	g	5	3.81	4.14	0.93	0.41	2.68	4.67
		LSI	%	5	0.77	0.75	0.15	0.07	0.60	0.97
		gonad weight	g	5	4.15	4.48	1.39	0.62	1.80	5.51
		GSI	%	5	0.84	0.91	0.25	0.11	0.40	1.02
	Knee Lake	age	years	3	2.00	2	0.00	0.00	2	2
		length	mm	3	174.67	179	11.15	6.44	162	183
		total body weight	g	3	70.00	70	10.00	5.77	60	80
	Lunch Lake	condition factor	-	3	1.31	1.31	0.10	0.05	1.22	1.41
		length	mm	3	153.67	148	13.43	7.75	144	169
		total body weight	g	3	73.33	70	25.17	14.53	50	100
	Andrew Lake	condition factor	-	3	2.11	1.54	1.07	0.62	1.45	3.35
		length	mm	1	200.00	-	-	-	-	-
		age	years	1	2.00	-	-	-	-	-
	Shack Lake	length	mm	6	146.83	150	37.67	15.38	84	196
		total body weight	g	5	54.00	40	30.50	13.64	30	100
		condition factor	-	5	1.26	1.33	0.37	0.17	0.89	1.74
	Lower Lake	age	years	6	2.00	2	0.63	0.26	1	3
		length	mm	31	134.00	145	35.45	6.37	75	200
		total body weight	g	6	52.92	50	29.51	12.05	8	100
		condition factor	-	6	1.37	1.39	0.28	0.12	0.96	1.78
Caribou Lake	Fox Lake	age	years	12	2.75	2	1.14	0.33	2	5
		length	mm	12	218.25	179	64.61	18.65	154	334
		total body weight	g	12	191.67	70	202.52	58.46	50	680
		condition factor	-	12	1.37	1.37	0.22	0.06	1.03	1.83
	Caribou Lake	age	years	4	3.00	3	0.82	0.41	2	4
		length	mm	4	203.00	205	39.00	19.50	154	249
		total body weight	g	4	122.50	115	75.00	37.50	40	220
		condition factor	-	4	1.30	1.34	0.16	0.08	1.10	1.43
Judge Sissons Lake	Judge Sissons Lake	age	years	2	8	8	-	-	6	10
		length	mm	2	337.50	338	-	-	313	362
		total body weight	g	2	525.00	525	-	-	380	670
		condition factor	-	2	1.33	1.33	-	-	1.24	1.41
		liver weight	g	2	4.46	4.46	-	-	3.12	5.80
		LSI	%	2	0.85	0.85	-	-	0.82	0.87
		gonad weight	g	2	3.96	3.96	-	-	1.00	6.91
		GSI	%	2	0.65	0.65	-	-	0.26	1.03

Table X.IX-11
Statistics for Fish Health Parameters Measured in Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Burbot										
Lower Lake	Cigar Lake	length	mm	1	100	-			-	-
		total body weight	g	1	5	-			-	-
		condition factor	-	1	0.50	-			-	-
Caribou Lake	Caribou Lake	length	mm	1	90	-			-	-
		length	mm	2	181.5	181.5			144	219
		total body weight	g	2	50	50			30	70
		condition factor	-	2	0.84	0.84			0.67	1.00
Judge Sissons Lake	Judge Sissons Lake	length	mm	1	110	-			-	-
Cisco										
Willow Lake	Pointer Lake	length	mm	29	184	162	54	10	140	334
		total body weight	g	26	108	50	143	28	30	540
		condition factor	-	26	1.15	1.185	0.26	0.05	0.71	1.58
		liver weight	g	3	5.07	6.01	1.73	1.00	3.08	6.13
		LSI	%	3	1.34	1.23	0.20	0.11	1.23	1.57
		gonad weight	g	3	4.24	4.61	2.51	1.45	1.57	6.54
		GSI	%	3	1.05	1.18	0.37	0.21	0.63	1.33
Lower Lake	Cigar Lake	length	mm	1	140	-	-	-	-	-
		total body weight	g	1	40	-	-	-	-	-
		condition factor	-	1	1.46	-	-	-	-	-
Caribou Lake	Caribou Lake	length	mm	35	187	190	35	6	142	342
		total body weight	g	35	98	90	92	16	40	600
		condition factor	-	35	1.34	1.37	0.22	0.04	0.75	1.67
		liver weight	g	1	9.03	-	-	-	-	-
		LSI	%	1	1.5	-	-	-	-	-
		gonad weight	g	1	17.5	-	-	-	-	-
		GSI	%	1	2.92	-	-	-	-	-
	Fox Lake	length	mm	1	207	-	-	-	-	-
		total body weight	g	1	140	-	-	-	-	-
		condition factor	-	1	1.58	-	-	-	-	-
	Calf Lake	length	mm	7	131	90	57	21	80	200
		total body weight	g	3	97	100	25	15	70	120
		condition factor	-	3	1.37	1.31	0.12	0.07	1.29	1.5
Judge Sissons Lake	Judge Sissons Lake	length	mm	2	174.5	174.5	-	-	165	184
Lake Trout										
Willow Lake	Pointer Lake	age	years	4	18.50	13.5	11.03	5.52	12	35
		length	mm	4	488.00	459	88.38	44.19	420	614
		total body weight	g	4	1375.00	1090	668.41	334.20	950	2370
		condition factor	-	4	1.15	1.09	0.18	0.09	1.01	1.39
		liver weight	g	2	24.70	24.70	-	-	9.50	39.89
		LSI	%	2	1.26	1.26	-	-	0.83	1.68
		gonad weight	g	2	10.76	10.76	-	-	1.18	20.34
		GSI	%	2	0.48	0.48	-	-	0.10	0.86
Lower Lake	Mushroom Lake	length	mm	10	520.40	487	106.58	33.70	404	758
		total body weight	g	10	1911.00	1325	1433.03	453.17	690	5450
		condition factor	-	10	1.17	1.18	0.11	0.03	1.00	1.31
		liver weight	g	5	30.52	10.08	46.90	20.97	6.41	114.33
		LSI	%	5	1.20	1.16	0.57	0.25	0.59	2.10
		gonad weight	g	5	105.08	36.62	173.46	77.58	14.76	414.49
		GSI	%	5	3.67	3.39	2.46	1.10	1.43	7.61
	Cigar Lake	length	mm	20	555.20	525	96.61	21.60	426	810
		total body weight	g	20	1910.00	1635	899.60	201.16	850	4390
		condition factor	-	20	1.09	1.09	0.18	0.04	0.56	1.37

Table X.IX-11

Statistics for Fish Health Parameters Measured in Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max	
Caribou Lake	Ridge Lake	age	years	11	17.55	14.00	9.00	2.71	7.00	33.00	
		length	mm	11	382.09	390	88.88	26.80	250	510	
		total body weight	g	11	742.73	620	459.74	138.62	150	1450	
		condition factor	-	11	1.16	1.11	0.24	0.07	0.96	1.86	
	Caribou Lake	age	years	1	12	-	-	-	-	-	
		length	mm	1	356.00	-	-	-	-	-	
		total body weight	g	1	560.00	-	-	-	-	-	
		condition factor	-	1	1.24	-	-	-	-	-	
Judge Sissons Lake	Judge Sissons Lake	age	years	11	21.91	21	5.20	1.57	15	29	
		length	mm	30	565.73	598	136.80	24.98	174	760	
		total body weight	g	30	2117.33	2125	1082.68	197.67	60	4390	
		condition factor	-	30	1.08	1.08	0.19	0.03	0.41	1.42	
		liver weight	g	6	22.67	25.025	11.02	4.50	9.05	34.94	
		LSI	%	6	1.02	1.07	0.15	0.06	0.75	1.16	
		gonad weight	g	6	18.38	4.50	27.21	11.11	0.77	70.13	
		GSI	%	6	0.84	0.33	1.19	0.49	0.06	3.14	
Siamese Lake	Siamese Lake	age	years	2	7.00	7	1.41	1.00	6	8	
		length	mm	4	313.00	314	68.18	34.09	229	396	
		total body weight	g	4	382.50	375	222.47	111.23	120	660	
		condition factor	-	4	1.12	1.09	0.14	0.07	1.00	1.32	
		liver weight	g	2	1.25	1.25	1.00	0.71	0.54	1.96	
		LSI	%	2	0.52	0.52	0.09	0.06	0.45	0.58	
		gonad weight	g	1	0.61	0.61	-	-	0.61	0.61	
		GSI	%	1	0.18	0.18	-	-	0.18	0.18	
Ninespine Stickleback											
Lower Lake	Lower Lake	length	mm	4	52.5	50	5	2.50	50	60	
Judge Sissons Lake	Judge Sissons Lake	length	mm	2	54	54	-	-	52	56	
Round Whitefish											
Lower Lake	Mushroom Lake	age	years	31	8.52	9.00	2.34	0.42	3.00	11.00	
		length	mm	31	312	320	47	8	206	387	
		total body weight	g	31	369	390	135	24	90	620	
		condition factor	-	31	1.14	1.14	0.09	0.02	0.91	1.33	
		liver weight	g	5	2.91	3.04	0.65	0.29	2.02	3.71	
		LSI	%	5	0.61	0.61	0.12	0.05	0.51	0.81	
		gonad weight	g	5	9.23	9.47	2.17	0.97	5.89	11.93	
		GSI	%	5	1.93	1.92	0.35	0.16	1.44	2.43	
	Cigar Lake	age	years	1	4	-	-	-	-	-	
		length	mm	1	214	-	-	-	-	-	
		total body weight	g	1	90	-	-	-	-	-	
		condition factor	-	1	0.92	-	-	-	-	-	
	Lunch Lake	age	years	1	3	-	-	-	-	-	
		length	mm	1	210	-	-	-	-	-	
		total body weight	g	1	120	-	-	-	-	-	
		condition factor	-	1	1.3	-	-	-	-	-	
	Andrew Lake	age	years	1	2	-	-	-	-	-	
		length	mm	2	160	160	-	-	150	170	
		total body weight	g	1	30	-	-	-	-	-	
		condition factor	-	1	0.89	-	-	-	-	-	
	Lower Lake	Lower Lake	age	years	3	5.00	2.00	5.20	3.00	2.00	11.00
			length	mm	3	204	152	141	82	96	364
			total body weight	g	2	330	330	-	-	60	600
			condition factor	-	2	1.48	1.48	-	-	1.24	1.71
			liver weight	g	1	6.44	-	-	-	-	-
			LSI	%	1	1.07	-	-	-	-	-
			gonad weight	g	1	5.93	-	-	-	-	-
			GSI	%	1	0.99	-	-	-	-	-

Table X.IX-11
Statistics for Fish Health Parameters Measured in Fish Captured During the Community and Chemistry Surveys, 2008

Sub-Basin	Waterbody	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Caribou Lake	Caribou Lake	age	years	5	5.60	3.00	6.39	2.86	2.00	17.00
		length	mm	5	262	256	73	32	178	376
		total body weight	g	5	250	180	227	101	60	640
		condition factor	-	5	1.12	1.12	0.06	0.03	1.06	1.20
		liver weight	g	2	3.18	3.18	-	-	1.01	5.35
		LSI	%	2	0.64	0.64	-	-	0.44	0.84
		gonad weight	g	2	9.15	9.15	-	-	3.59	14.71
		GSI	%	2	1.93	1.93	-	-	1.56	2.3
Judge Sissons Lake	Judge Sissons Lake	age	years	1	15	-	-	-	-	-
		length	mm	5	152	101	115	52	95	358
		total body weight	g	5	106	8.27	220	98	6.75	500
		condition factor	-	5	0.848	0.79	0.14	0.06	0.76	1.09
		liver weight	g	1	2.71	-	-	-	-	-
		LSI	%	1	0.54	-	-	-	-	-
		gonad weight	g	1	9.38	-	-	-	-	-
		GSI	%	1	1.88	-	-	-	-	-

n = number of fish sampled for each parameter; SD = standard deviation; SE = standard error; min = minimum; max = maximum;
mm = millimetre; g = gram; - = not applicable; % = percent; LSI = liversomatic index; GSI = gonadosomatic index.

Table X.IX-12
Statistics for Fish Health Parameters Measured in Lake Trout Captured During the Lake Trout Spawning Survey, 2008

Sub-Basin	Waterbody	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Lower Lake	Mushroom Lake	length	mm	2	572	572	-	-	434	710
		total body weight	g	2	2,310	2,310	-	-	1,000	3,620
		condition factor	-	2	1.12	1.12	-	-	1.01	1.22
	Cigar Lake	length	mm	5	614	636	63	28	545	677
		total body weight	g	5	2,490	2,430	754	337	1,610	3,290
		condition factor	-	5	1.05	1.03	0.10	0.05	0.94	1.18
Caribou Lake	Ridge Lake	length	mm	6	442	416	96	39	364	630
		total body weight	g	6	1,297	1,000	953	389	660	3,190
		condition factor	-	6	1.35	1.36	0.11	0.04	1.18	1.49
Judge Sissons Lake	Judge Sissons Lake	length	mm	6	629	623	54	22	566	700
		total body weight	g	6	2,890	3,070	545	223	2,100	3,360
		condition factor	-	6	1.16	1.14	0.16	0.07	0.98	1.43
Siamese Lake	Siamese Lake	length	mm	2	428	428	-	-	320	536
		total body weight	g	2	1,104	1,104	-	-	348	1,860
		condition factor	-	2	1.14	1.14	-	-	1.06	1.21

n = number of fish sampled for each parameter; SD = standard deviation; SE = standard error; min = minimum; max = maximum;

mm = millimetre; g = gram; - = not applicable.

Table X.IX-13
Statistics for Fish Health Parameters Measured in Lake Trout Captured During the Road Crossing Survey, 2008

Sub-Basin	Watercourse	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Access Local Study Area	Km 174.8 (Thelon River)	length	mm	1	590	-	-	-	-	-
		total body weight	g	1	2480	-	-	-	-	-
		condition factor	-	1	1.21	-	-	-	-	-
	Alternate X28	length	mm	9	529	546	60	20	388	598
		total body weight	g	9	1979	2050	491	164	860	2480
		condition factor	-	9	1.31	1.33	0.10	0.03	1.16	1.47
	Alternate X33	length	mm	1	738	-	-	-	-	-
		total body weight	g	1	4240	-	-	-	-	-
		condition factor	-	1	1.05	-	-	-	-	-

n = number of fish sampled for each parameter; SD = standard deviation; SE = standard error; min = minimum; max = maximum;

mm = millimetre; g = gram; - = not applicable.

Table X.IX-14
Statistics for Fish Health Parameters Measured in Fish Captured During the Arctic Grayling Spawning Survey, 2009

Subbasin	Watercourse	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Arctic Grayling										
Willow Lake	Pointer/Rock Stream	age	years	1	6	-	-	-	-	-
		length	mm	1	297	-	-	-	-	-
		total body weight	g	1	280	-	-	-	-	-
		condition factor	-	1	1.07	-	-	-	-	-
	Rock/Willow Stream	age	years	6	7.5	6.5	2.9	1.2	5	13
		length	mm	5	353	346	32.4	14.5	324	408
		total body weight	g	5	498	440	131	58.6	420	730
		condition factor	-	5	1.12	1.07	0.158	0.0705	0.960	1.38
		liver weight	g	4	3.5	3.0	2.1	1.0	1.6	6.5
		LSI	%	4	0.67	0.70	0.22	0.11	0.37	0.89
		gonad weight	g	4	3	4	2	1	0.5	4.8
		GSI	%	4	0.6	0.6	0.4	0.2	0.1	1.1
	Willow/Judge Sissons Stream	length	mm	4	72	72	3.7	1.8	68	76
		total body weight	g	4	2.4	2.4	0.21	0.10	2.1	2.6
		condition factor	-	4	0.63	0.66	0.057	0.028	0.55	0.67
Lower Lake	Lunch/Andrew Stream	age	years	1	10	-	-	-	-	-
		length	mm	1	374	-	-	-	-	-
		total body weight	g	1	620	-	-	-	-	-
		condition factor	-	1	1.19	-	-	-	-	-
		liver weight	g	1	4.2	-	-	-	-	-
		LSI	%	1	0.68	-	-	-	-	-
		gonad weight	g	1	3.8	-	-	-	-	-
		GSI	%	1	0.61	-	-	-	-	-
	Andrew/Shack Stream	age	years	7	8.1	7.0	1.7	0.63	7	11
		length	mm	9	306	330	81.1	27.0	160	400
		total body weight	g	9	514	510	258	85.8	110	820
		condition factor	-	9	1.74	1.62	0.580	0.193	1.28	3.17
Cisco										
Willow Lake	Pointer/Rock Stream	length	mm	1	312	-	-	-	-	-
		total body weight	g	1	460	-	-	-	-	-
		condition factor	-	1	1.51	-	-	-	-	-

Table X.IX-14
Statistics for Fish Health Parameters Measured in Fish Captured During the Arctic Grayling Spawning Survey, 2009

Subbasin	Watercourse	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Lake Trout										
Willow Lake	Willow/Judge Sissons Stream	length	mm	10	595	588	45.3	14.3	515	680
		total body weight	g	10	2426	2315	597.7	189.0	1830	3997
		condition factor	-	10	1.15	1.15	0.169	0.0536	0.85	1.41
Ninespine Stickleback										
Willow Lake	Northeast Inflow of Pointer Lake	length	mm	1	55	-	-	-	-	-
		total body weight	g	1	1.1	-	-	-	-	-
		condition factor	-	1	0.66	-	-	-	-	-
	Sik Sik/Rock Stream	length	mm	4	55.5	59	9.26	4.63	42	62
		total body weight	g	4	1	1	0.5	0.2	0.5	1.6
		condition factor	-	4	0.68	0.67	0.017	0.0087	0.66	0.70
	Rock/Willow Stream	length	mm	2	54	54	-	-	50	58
		total body weight	g	2	1.4	1.4	-	-	1.1	1.7
		condition factor	-	2	0.88	0.88	-	-	0.87	0.88
	Willow/Judge Sissons Stream	length	mm	1	41	-	-	-	-	-
		total body weight	g	1	0.3	-	-	-	-	-
		condition factor	-	1	0.4	-	-	-	-	-
Round Whitefish										
Willow Lake	Pointer/Rock Stream	age	years	1	7	-	-	-	-	-
		length	mm	1	340	-	-	-	-	-
		total body weight	g	1	382	-	-	-	-	-
		condition factor	-	1	0.97	-	-	-	-	-
	Rock/Willow Stream	age	years	2	9	9	-	-	9	9
		length	mm	2	356	356	-	-	344	368
		total body weight	g	2	605	605	-	-	600	610
		condition factor	-	2	1.35	1.35	-	-	1.22	1.47
Slimy Sculpin										
Willow Lake	Willow/Judge Sissons Stream	length	mm	6	81	71	22	8.9	61	110
		total body weight	g	6	5.6	2.9	4.8	2.0	2.0	13.2
		condition factor	-	6	0.87	0.86	0.13	0.052	0.67	1.03

n = number of fish sampled for each parameter; SD = standard deviation; SE = standard error; min = minimum; max = maximum;

mm = millimetre; g = gram; - = not applicable; % = percent.; LSI = liversomatic index; GSI = gonadsomatic index.

Table X.IX-15
Statistics for Fish Health Parameters Measured in Fish Captured During the Fish Community Survey, 2009

Sub-Basin	Waterbody and Watercourse	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Arctic Grayling										
Lower Lake	Andrew Lake	age	years	23	2	2	1	0.2	1	6
		length	mm	21	167	157	40.8	8.90	128	315
		total body weight	g	21	80.4	50.4	100	21.8	25.1	500
		condition factor	-	21	1.38	1.34	0.241	0.0525	1.07	2.15
Judge Sissons Lake	Judge Sissons Lake	age	years	5	8.0	8.0	1.2	0.55	7	10
		length	mm	5	347	349	30.9	13.8	304	380
		total body weight	g	5	443	473	134	60.1	292	570
		condition factor	-	5	1.0	1.1	0.14	0.061	0.80	1.12
Aniguq River	Aniguq River	age	years	9	8.7	9.0	0.87	0.29	7	10
		length	mm	11	368	369	20.8	6.28	315	390
		total body weight	g	6	623	645	117	47.9	450	780
		condition factor	-	6	1.39	1.46	0.185	0.0756	1.05	1.57
Burbot										
Lower Lake	Andrew Lake	length	mm	1	63	-	-	-	-	-
		total body weight	g	1	2	-	-	-	-	-
		condition factor	-	1	0.80	-	-	-	-	-
Cisco										
Willow Lake	Pointer Lake	age	years	34	3	3	0.8	0.1	3	6
		length	mm	35	205	193	38.2	6.45	177	342
		total body weight	g	35	119	83	114	19	58	552
		condition factor	-	35	1.2	1.1	0.13	0.022	0.97	1.54
Lower Lake	Andrew Lake	age	years	1	4	-	-	-	-	-
		length	mm	1	239	-	-	-	-	-
		total body weight	g	1	175	-	-	-	-	-
		condition factor	-	1	1.28	-	-	-	-	-
Lake Trout										
Judge Sissons Lake	Judge Sissons Lake	age	years	5	30	32	9.4	4.2	14	39
		length	mm	5	642	648	73.4	32.8	525	719
		total body weight	g	5	2895	3345	1016	454.5	1502	4054
		condition factor	-	5	1.06	1.04	0.125	0.0561	0.880	1.23
Aniguq River	Aniguq River	length	mm	5	629	600	86.7	38.8	566	780
		total body weight	g	4	2510	2575	889.3	444.7	1360	3530
		condition factor	-	4	1.00	0.975	0.298	0.149	0.740	1.31

n = number of fish sampled for each parameter; SD = standard deviation; SE = standard error; min = minimum; max = maximum;

mm = millimetre; g = gram; - = not applicable.

Table X.IX-16
Statistics for Fish Health Parameters Measured in Fish Captured During the Road Crossing Surveys, 2009

New Crossing ID (EBA)	Crossing ID (Golder)	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Arctic Grayling										
Km 6.7	NC30	length	mm	7	34	35	2.1	0.81	31	38
Km 11.3	NC29	age	years	1	3	-	-	-	-	-
		length	mm	1	177	-	-	-	-	-
		total body weight	g	1	89.3	-	-	-	-	-
		condition factor	-	1	1.61	-	-	-	-	-
Km 17.2	NC26	length	mm	14	35.2	30.0	19.8	5.30	28	104
		total body weight	g	1	11.6	-	-	-	-	-
		condition factor	-	1	1.03	-	-	-	-	-
Km 109.8	NC22.5	length	mm	2	25	25	-	-	25	25
Km 127.5	NC16	length	mm	6	50.3	27.0	57.2	23.3	27	167
		total body weight	g	1	56.3	-	-	-	-	-
		condition factor	-	1	1.21	-	-	-	-	-
Km 129.2	NC15	length	mm	1	166	-	-	-	-	-
		total body weight	g	1	165	-	-	-	-	-
		condition factor	-	1	3.61	-	-	-	-	-
Km 145.3	NC13	length	mm	16	134	130	50.1	12.5	30	211
		total body weight	g	9	49	16	55	18	7.2	130
		condition factor	-	9	1.4	1.3	0.26	0.087	1.0	1.96
Km 157.7	NC09	length	mm	1	81	-	-	-	-	-
Km 174.8	Thelon River (NC01)	length	mm	4	138	74.0	135	67.3	63	339
		total body weight	g	4	125	4.3	243	122	1.3	490
		condition factor	-	4	1.0	1.0	0.31	0.16	0.52	1.26
S03	S03	age	years	1	1	-	-	-	-	-
		length	mm	4	80.0	59.0	47.7	23.8	51	151
		total body weight	g	4	9.6	1.7	16	8.1	1.1	33.8
		condition factor	-	4	0.85	0.84	0.092	0.046	0.76	0.98
S14	S14	length	mm	1	54	-	-	-	-	-
		total body weight	g	1	1.1	-	-	-	-	-
		condition factor	-	1	0.70	-	-	-	-	-
Burbot										
Km 129.2	NC15	length	mm	1	95	-	-	-	-	-
		total body weight	g	1	7.2	-	-	-	-	-
		condition factor	-	1	0.84	-	-	-	-	-
S05	S05	length	mm	1	60	-	-	-	-	-
		total body weight	g	1	1.4	-	-	-	-	-
		condition factor	-	1	0.65	-	-	-	-	-
Lake Trout										
Km 174.8	Thelon River (NC01)	length	mm	1	750	-	-	-	-	-
		total body weight	g	1	3000	-	-	-	-	-
		condition factor	-	1	0.71	-	-	-	-	-

Table X.IX-16
Statistics for Fish Health Parameters Measured in Fish Captured During the Road Crossing Surveys, 2009

New Crossing ID (EBA)	Crossing ID (Golder)	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Longnose Sucker										
Km 157.7	NC09	length	mm	4	42	42	3.1	1.6	38	45
Ninespine Stickleback										
Km 15.6	NC27	length	mm	1	50	-	-	-	-	-
		total body weight	g	1	0.9	-	-	-	-	-
		condition factor	-	1	0.7	-	-	-	-	-
Km 17.2	NC26	length	mm	2	66	66	-	-	60	72
		total body weight	g	2	1.6	1.6	-	-	1.2	1.9
		condition factor	-	2	0.54	0.54	-	-	0.51	0.56
Km 109.8	NC22.5	length	mm	1	45	-	-	-	-	-
		total body weight	g	1	0.4	-	-	-	-	-
		condition factor	-	1	0.4	-	-	-	-	-
Km 127.5	NC16	length	mm	12	47	49	12	1.7	30	70
		total body weight	g	9	1	1	0.5	0.5	0.5	2.4
		condition factor	-	9	1	0.9	0.5	0.5	0.3	2.0
Km 145.3	NC13	length	mm	5	47	45	4.7	0.68	43	54
		total body weight	g	5	1	0.9	0.7	0.7	0.8	2.5
		condition factor	-	5	1	1	0.3	0.3	0.8	1.6
Km 147.1	NC12	length	mm	46	48	48	6.1	0.87	38	71
		total body weight	g	46	1	0.9	0.6	0.6	0.2	4
		condition factor	-	46	0.9	0.9	0.4	0.4	0.2	2.2
Km 157.3	NC10	length	mm	5	36	37	3.1	0.52	32	39
Km 157.7	NC09	length	mm	13	42	42	3.1	0.48	35	47
alternate W2	W2	length	mm	2	57	57	-	-	53	61
S03	S03	length	mm	20	42	42	10	1.6	21	64
		total body weight	g	18	0.4	0.2	0.4	0.6	0.1	1.4
		condition factor	-	18	0.4	0.4	0.1	0.2	0.2	0.64
S05	S05	length	mm	9	39	34	17	2.7	23	69
		total body weight	g	5	0.7	0.5	0.6	0.7	0.1	1
		condition factor	-	5	0.5	0.4	0.1	0.2	0.3	0.6
S11	S11	length	mm	150	23	21	4.4	0.92	16	39
		total body weight	g	4	0.2	0.2	0.1	0.2	0.1	0.3
		condition factor	-	4	0.4	0.4	0.1	0.2	0.3	0.5
S13	S13	length	mm	7	39	32	20	3.2	16	70
		total body weight	g	4	1	0.9	0.8	0.8	0.3	2
		condition factor	-	4	0.6	0.6	0.2	0.2	0.5	0.92
S14	S14	length	mm	38	27	23	11	2.0	18	61
		total body weight	g	20	0.3	0.1	0.4	0.7	0.1	1.4
		condition factor	-	20	0.7	0.6	0.3	0.3	0.4	1.7

Table X.IX-16
Statistics for Fish Health Parameters Measured in Fish Captured During the Road Crossing Surveys, 2009

New Crossing ID (EBA)	Crossing ID (Golder)	Parameter	Unit	n	Mean	Median	SD	SE	Min	Max
Round Whitefish										
Km 145.3	NC13	length	mm	4	178	179	3.16	1.58	174	181
		total body weight	g	3	55.1	55.3	1.27	0.731	53.7	56.2
		condition factor	-	3	1.00	0.970	0.0643	0.0371	0.950	1.07
Slimy Sculpin										
Km 11.3	NC29	length	mm	3	57	52	19	11	42	78
		total body weight	g	3	3.1	2.8	1.7	0.96	1.6	4.9
		condition factor	-	3	1.7	2.0	0.61	0.35	1.0	2.2
Km 17.2	NC26	length	mm	43	63.3	60.0	14.0	2.13	34	100
		total body weight	g	43	3	2	2	0.3	0.7	8.5
		condition factor	-	43	1	1	0.3	0.05	0.4	2.5
Km 109.8	NC22.5	length	mm	4	69	69	13	6.6	53	85
		total body weight	g	4	3.5	3.0	2.3	1.1	1.2	6.6
		condition factor	-	4	0.94	0.94	0.17	0.083	0.79	1.1
Km 127.5	NC16	length	mm	5	69	68	17	7.7	50	91
		total body weight	g	4	4.2	3.3	3.2	1.6	1.4	8.6
		condition factor	-	4	1.3	1.2	0.16	0.078	1.1	1.4
Km 145.3	NC13	length	mm	19	55	53	11	2.6	34	76
		total body weight	g	19	3	3	2	0.4	0.5	7.3
		condition factor	-	19	2	2	0.5	0.1	0.9	3.1
Km 147.1	NC12	length	mm	1	55	-	-	-	-	-
		total body weight	g	1	5.8	-	-	-	-	-
		condition factor	-	1	3.5	-	-	-	-	-
S03	S03	length	mm	1	83	-	-	-	-	-
		total body weight	g	1	6.0	-	-	-	-	-
		condition factor	-	1	1.1	-	-	-	-	-
S13	S13	length	mm	11	72	71	9.1	2.7	52	86
		total body weight	g	11	4.2	3.8	1.5	0.45	1.7	6.4
		condition factor	-	11	1.1	1.1	0.12	0.036	0.90	1.3

n = number of fish sampled for each parameter; ID = identification; SD = standard deviation; SE = standard error; min = minimum; max = maximum; mm = millimetre; g = gram; Km = kilometre; - = not applicable.

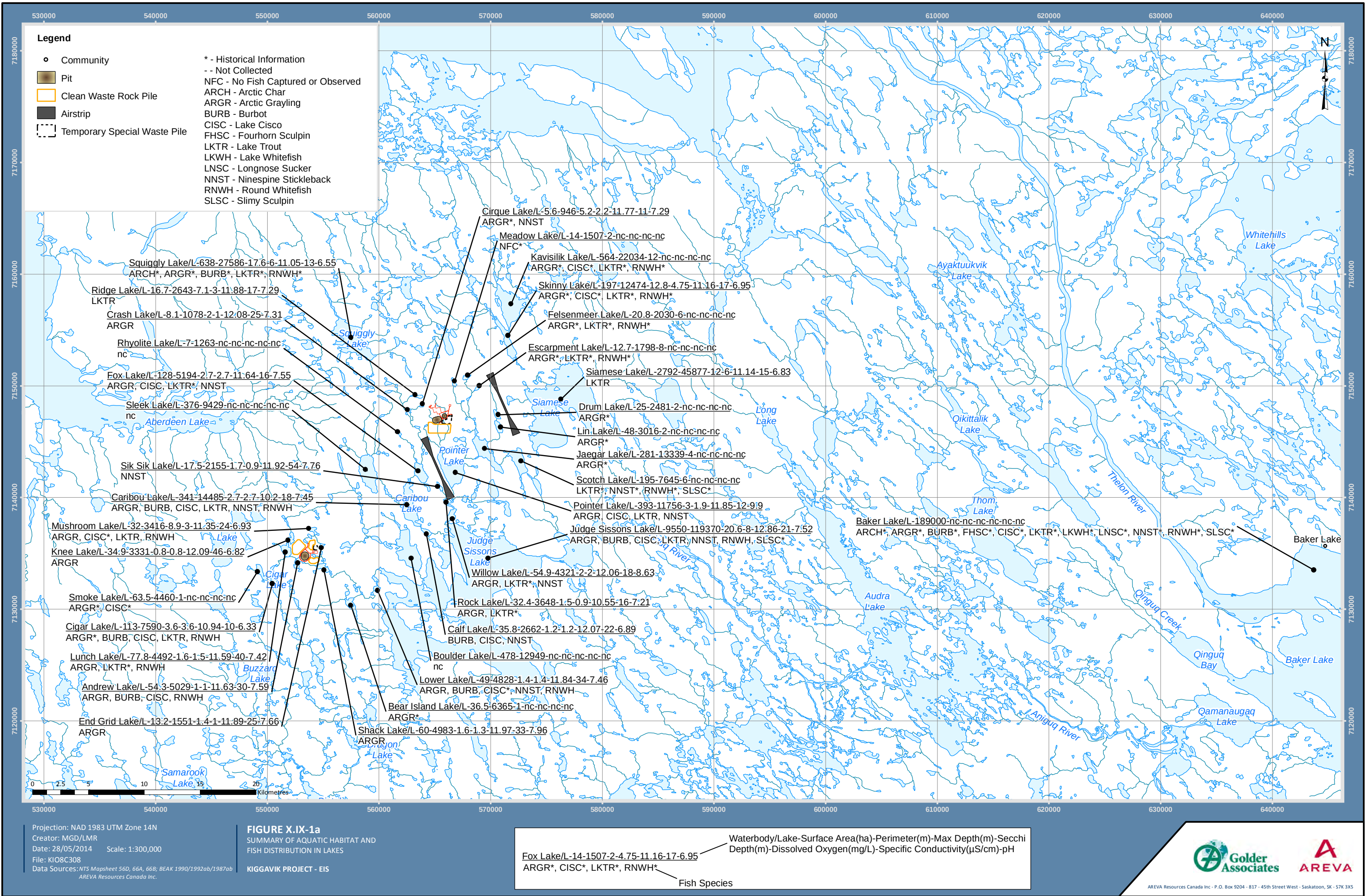
Table X.IX-17
Summary of Length, Weight and Age Data for Fish Captured in Baker Lake, 2009

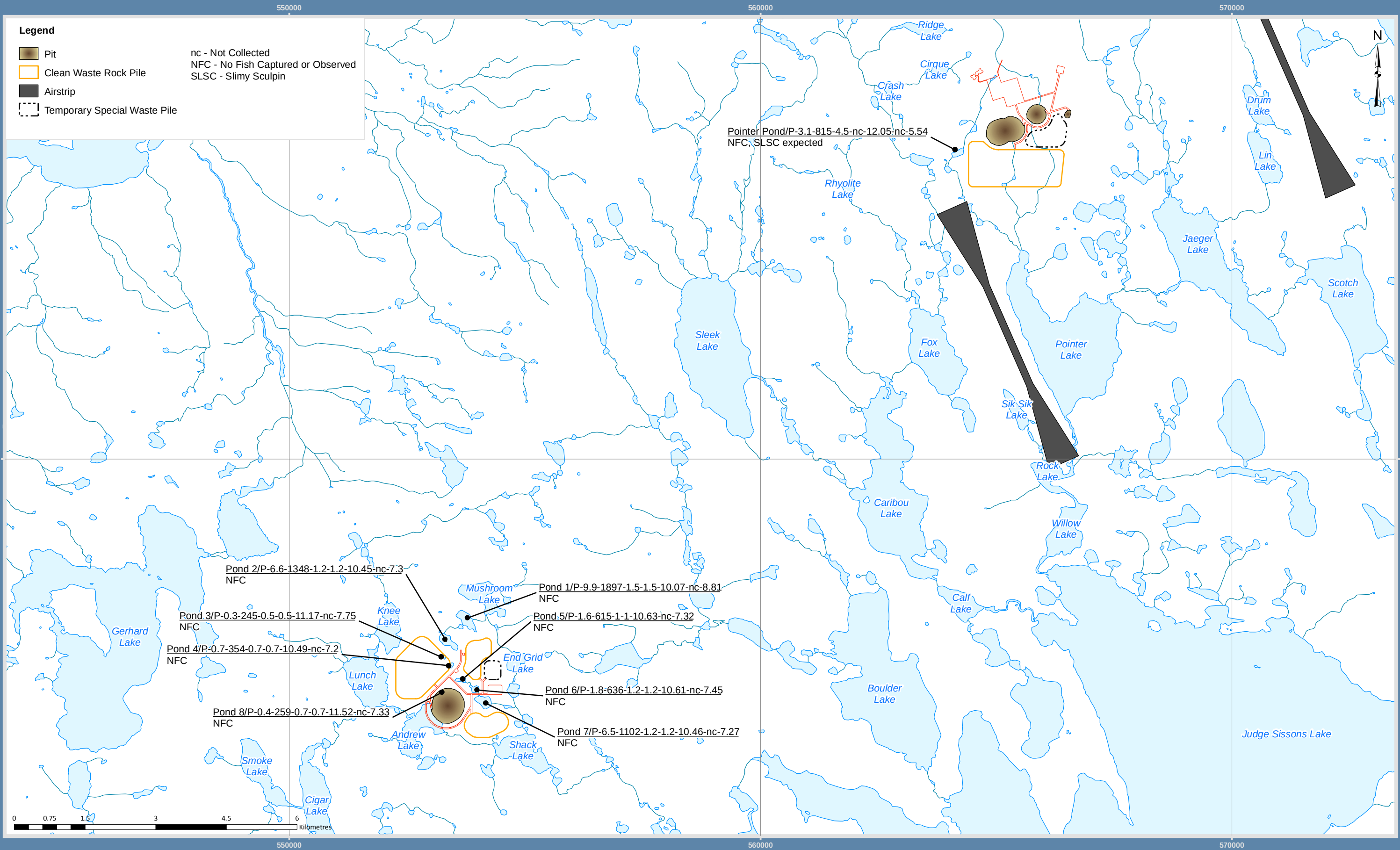
Number	Date	Species	Length (mm)	Weight (g)	Sex	Age
1	25-Aug-09	lake trout	470	950	not available	9
2	25-Aug-09	lake trout	425	750	male	12
3	25-Aug-09	lake trout	375	500	female	7
4	25-Aug-09	lake trout	505	1500	male	16
5	25-Aug-09	lake trout	520	1450	male	15
6	25-Aug-09	lake trout	380	550	female	9
7	25-Aug-09	lake trout	390	500	female	9
8	25-Aug-09	lake trout	405	675	female	9
9	25-Aug-09	lake trout	447	975	male	14
10	25-Aug-09	lake trout	405	625	female	11
11	25-Aug-09	lake trout	365	525	male	10
12	25-Aug-09	lake trout	400	675	female	14
13	26-Aug-09	lake trout	685	2250	female	17
14	26-Aug-09	lake trout	470	1150	female	11
15	26-Aug-09	lake trout	450	925	female	12
16	26-Aug-09	lake trout	420	750	female	11
17	26-Aug-09	lake trout	440	800	female	12
18	26-Aug-09	lake trout	460	1000	female	13
19	26-Aug-09	lake trout	365	500	male	11
20	26-Aug-09	lake trout	405	700	male	10
21	26-Aug-09	lake trout	370	500	male	10
22	26-Aug-09	lake trout	405	675	male	11
23	26-Aug-09	lake trout	395	625	female	10
24	26-Aug-09	lake trout	340	NA	male	10
25	26-Aug-09	Arctic char	445	875	female	8
26	26-Aug-09	Arctic char	490	1050	female	7
27	26-Aug-09	Arctic char	470	1200	female	8
28	26-Aug-09	cisco	290	not available	not available	10
29	26-Aug-09	cisco	295	not available	not available	10
30	26-Aug-09	cisco	255	not available	not available	6
31	26-Aug-09	cisco	275	not available	not available	8
32	26-Aug-09	cisco	223	not available	not available	5
33	26-Aug-09	lake whitefish	359	not available	not available	8
34	26-Aug-09	lake whitefish	195	not available	not available	3
35	26-Aug-09	lake whitefish	180	not available	not available	3
36	26-Aug-09	lake whitefish	182	not available	not available	3
37	26-Aug-09	lake whitefish	168	not available	not available	2
38	26-Aug-09	lake whitefish	140	not available	not available	1
39	26-Aug-09	lake whitefish	134	not available	not available	1
40	26-Aug-09	lake whitefish	126	not available	not available	1
41	26-Aug-09	lake whitefish	131	not available	not available	1
42	26-Aug-09	lake whitefish	129	not available	not available	1
43	26-Aug-09	lake whitefish	130	not available	not available	1
44	26-Aug-09	lake whitefish	124	not available	not available	1
45	26-Aug-09	lake whitefish	120	not available	not available	1
46	26-Aug-09	lake whitefish	128	not available	not available	1
47	26-Aug-09	lake whitefish	124	not available	not available	1
48	26-Aug-09	lake whitefish	129	not available	not available	0
49	26-Aug-09	lake whitefish	115	not available	not available	0
50	26-Aug-09	lake whitefish	130	not available	not available	1
51	26-Aug-09	lake whitefish	135	not available	not available	1
52	26-Aug-09	lake whitefish	122	not available	not available	1
53	26-Aug-09	lake whitefish	124	not available	not available	1
54	26-Aug-09	lake whitefish	119	not available	not available	1
55	26-Aug-09	lake whitefish	124	not available	not available	1
56	27-Aug-09	Arctic grayling	315	400	not available	not available

mm = millimetres, g = grams; Aug = August.

List of Figures

Figure X.IX-1a	Summary of Aquatic Habitat and Fish Distribution in Lakes
Figure X.IX-1b	Summary of Aquatic Habitat and Fish Distribution in Lakes
Figure X.IX-2	Summary of Aquatic Habitat and Fish Distribution in Streams
Figure X.IX-3a	Summary of Aquatic Habitat and Fish Distribution at Proposed Road Crossings
Figure X.IX-3b	Summary of Aquatic Habitat and Fish Distribution at Proposed Road Crossings





Projection: NAD 1983 UTM Zone 14N
Creator: MGD/LMR
Date: 28/05/2014 Scale: 1:75,000
File: KIO8C312
Data Sources: NTS Mapsheet 66A 05; BEAK 1990/1992ab/1987ab
AREVA Resources Canada Inc.

FIGURE X.IX -1b
SUMMARY OF AQUATIC HABITAT AND
FISH DISTRIBUTION IN LAKES
KIGGAVIK PROJECT - EIS

Fox Lake/L-14-1507-2-4.75-11.16-17-6.95
ARGR*, CISC*, LKTR*, RNWH*
Waterbody/Lake-Surface Area(ha)-Perimeter(m)-Max Depth(m)-Secchi
Depth(m)-Dissolved Oxygen(mg/L)-Specific Conductivity(µS/cm)-pH
Fish Species

