

January 31, 2011

Project No. 10-1328-0024

Tara Kramers, Project Specialist
INAC, Giant Mine Remediation Project Team
2nd Floor, 5103 - 48th Street
Waldron Building
Yellowknife, NT.
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FINAL UPDATE ON BAKER CREEK AQUATIC STUDIES - FISH AND FISH HABITAT PROJECT

Dear Ms. Kramer

The purpose of this letter is to update you on the status of the Baker Creek Aquatic Studies - Fish and Fish Habitat Project under Call-up 11 under Standing Offer 05-6002-5. This update includes a description of the status of the work, a listing of the final deliverables and a budget summary.

Status of the Work

We began work on the Fish and Fish Habitat project in Baker Creek in May 2010. The summary and status of work completed is listed in Table 1 according to the objectives of the work stated in May 10, 2010 proposal and Call-up 11. Of the ten objectives, eight are complete and two are in the final stages. The work that is still outstanding to complete the approved scope of work includes final fish habitat maps of Baker Creek and final edits of the summary report on fish use of Baker Creek.

Final Deliverables

1. Notice on Reach 4 Inspection – provided August 6, 2010
2. Bathymetry Map of Reach 6 – draft provided in December 2010, final provided January 31, 2011
3. Interim Summary of fish use by reach - provided September 2010
4. Final summary of seasonal fish use of Baker Creek – provided January 31, 2011
5. Final fish habitat maps – draft provided, final version pending INAC comments

Budget summary

We have spent 100% of the approved budget (\$76,505). A final invoice will be sent to you in mid-February 2011.

We thank you for the opportunity to work on this project. Please contact us if you have any further question or comments on the attached brief memorandum or maps.



Table 1: Status of work for Baker Creek Aquatic Studies - Fish and Fish Habitat Project

	Objective	Summary	Status
1	Document seasonal fish use in Baker Creek from Reach 0 to Reach 6 and in stream locations above Reach 6 (if appropriate locations with flow can be found).	Surveys complete. Fish were found in all reaches of the creek. Fish were found in Reach 6 in winter. See the attached brief technical memorandum.	√
2	Confirm that all life stages of Arctic grayling are present in Reach 4 as determined in past years (spawning adult, eggs, larvae and young-of-year, and confirm the outmigration of young-of-year (YOY); establish that the early spring melt in 2010 did not prevent fish from accessing and spawning and rearing habitat in Reach 4.	Arctic grayling had access to Reach 4. Spawning adults, eggs, larvae and young-of-year were observed in spring and summer. YOY out-migration from Reach 4 was complete in mid-June.	√
3	Inspect Reach 4 to determine status of existing riffle habitat and document that no further riffle habitat was lost as occurred in spring 2009.	Completed on May 19 and June 15. Inspection report submitted to INAC on August 6, 2010. Due to the late start of the contract, this could not be completed for June 15, 2010 as originally planned.	√
4 (original)	Document the relative abundance, species composition, and size characteristics of the adult fish out-migration from Baker Creek in late spring 2010 using a fish trap. The results obtained will provide a more thorough understanding of fish utilization during the spring, which is expected to be the most critical use period in Baker Creek.	Could not be undertaken. Spring 2010 was earlier than usual and warmer than usual. Consequently, fish spawned and out-migrated from the creek earlier than in previous year. Given this early outmigration and a delay in obtaining the contract to conduct this work, a fish trap was not setup by Golder Associates and DFO.	X
4 (revised)	Fish habitat maps of Reach 0 to 6 of Baker Creek	Revised objective to replace original objective 4. Draft maps complete in November 2010. Awaiting final INAC comments.	Pending
5	Determine the bathymetry of Reach 5 and Reach 6 in late spring.	Completed June 23, 2010. Final Bathymetry map attached. Electronic bathymetry data for INAC is on the attached CD.	√
6	Determine the open-water temperature of Baker Creek in Reach 0, Reach 4, and Reach 6 and the under-ice temperature of Reach 6 (if depth permits).	Three temperature loggers were placed in Baker Creek on May 4, 2010. Data was downloaded from two of the loggers on June 24, 2010 and the loggers were reinstalled in the creek. One logger could not be accessed due to water depth in June. All loggers were downloaded in fall. Temperature loggers could not be reinstalled due to low water levels. Final data is provided in the attached report summary on fish use of Baker Creek, Appendix A.	√
7	Obtain aerial photographs of fish habitat in Reach 0 to Martin Lake in spring and fall.	Spring aerial survey was completed on June 2, 2010. Fall survey completed in September 2010. Aerial photographs provided to DFO and INAC in September 2010.	√

	Objective	Summary	Status
8	Prepare a summary report on the fish presence by reach in Baker Creek	Golder agreed to provide a summary of fish distribution/abundance by Reach in May and June 2010 and a final summary of fish by reach by January 28, 2011. Due to the late start of the contract, a summary was not provided on June 30. A summary of May and June and July fish use by reach was provided on August 31, 2010 and a final summary report on January 31, 2011.	✓
9	Update the report based on comments from the Departmental representative and produce a final report.	Golder agreed to a final summary of fish by reach by January 28, 2011 including all photographs taken. Photographs were provided in September 2010.	Pending
10	Outreach and educational or traditional knowledge support activities at Baker Creek	While not expressly stated in the contract, the proposal included provisions to assist with outreach activities as requested by INAC and DFO. To date, we have prepared and completed presentation on Baker Creek with DFO at St. Patrick's High School, Grade 11 classroom, June 2010 as well as presented at the Yellowknives Dene Youth Monitoring Workshop in August 2010. Data from Baker Creek monitoring was presented at the DFO Science Workshop in November 2010.	✓

Sincerely,



Hilary Machtans
Fisheries Biologist

SM/HM/kl



Serge Metikosh
Principal, Senior Fisheries Biologist

Attachments: (1) Brief summary report of fish use of Baker Creek, 2010
(2) Bathymetry Map of Reach 6, and (3) Bathymetry CAD files (CD).

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DATE January 31, 2011**PROJECT No.** 10-1328-0024**TO** Tara Kramers
Indian and Northern Affairs Canada**CC** Morag McPherson, Fisheries and Oceans Canada**FROM** Hilary Machtans, Paul Vecsei and Serge Metikosh **EMAIL** Tara.Kramers@inac-ainc.gc.ca**SUMMARY OF SEASONAL FISH USE OF BAKER CREEK, 2010**
(SOA: 05-6002-5,CALLUP11)

Surveys of the fish use in Reach 0 to Reach 6 in Baker Creek were completed by Golder Associates Ltd. in spring, summer, fall and early winter 2010. Additional surveys upstream of Reach 6 were also conducted. The purpose of the surveys was to document the seasonal use of Baker Creek by fish. This brief memorandum provides a summary of the results by reach and by species of fish (Table 1). Detailed information on fish captures and observations are provided as appendix tables. Figure 1 shows the reaches fished.

Methods*Field surveys in Reach 0 to 6*

Three methods were used to document the presence of fish in Reach 0 to Reach 6 of Baker Creek: snorkelling, shore-based observations, and capture of fish by fishing gear (seine nets, gill nets and electrofishing). Snorkeling was done from May to late June when treated effluent was not present in the creek. For the enumeration of fish, the swimmer entered the water at the uppermost portion of the reach and passively drifted downstream. All adult-sized fish were counted, while numbers of young-of-year, juvenile large-bodied fish, and small-bodied fish were estimated.

Shore-based visual observations were made in each reach in spring to document the presence of fish. To accomplish this, two observers walked upstream in tandem, both positioned on the same side of the channel (other side could not be walked due to rock face), and recorded the number of fish observed.

A seine net (15 m long x 2 m wide; 10-mm mesh; 1 m collection bag of 5-mm mesh) was used to capture large-bodied fish in various reaches in summer and fall. A smaller seine net (10 m long x 1.5 m wide; 3-mm mesh; with no collection bag) was used on several occasions to collect young-of-year, juveniles, and adults of the small-bodied fish species in spring and summer. Methods of setting and deploying nets were standardized over the repetitive sampling events. The sampled area (7 m X 20 m = 140 m²) included almost the entire area (7m x 20 m) of swift and most of the slack water habitat in pool/slow run habitat of the reach sampled. A gill net was used to sample the 'pond' habitat of Reach 6. The gill net was 30 m wide x 2m tall with multimesh panels of the following sizes: 38.10 mm 63.50 mm 88.90 mm 114.30 mm.



Captured fish were placed in a tub filled with fresh water, and were processed immediately. The fork length (mm) was recorded; however, when large sample sizes of non-target fish were encountered (e.g., larval Longnose Suckers), only a subset of the catch was measured. Most fish were released unharmed. Of the incidental mortalities, otoliths were removed and were archived. If a floy tag was found on a fish, the tag number was recorded. Of the total capture, a subset were retained and frozen for future chemical analyses for contaminant levels (see Appendix A, Table A5).

Additional information on the stream conditions in Baker Creek was gathered from May to October. This included water temperatures (°C), which were measured with a thermometer. A temperature data logger that measured water temperature on an hourly basis (i.e. 24 readings per day) was installed in Reach 0, Reach 4 and Reach 6. Due to the low water level, temperature loggers were not installed in Baker Creek to establish early winter (November and December) temperatures.

Data analysis

Catch-per-unit-effort (CPUE) was calculated for each gear type used (see Appendix A, Table A1). The sampled area for individual seine net hauls (labelled 'active seine haul' in Appendix A) was approximately equal and as such the CPUE was reported as number of fish captured per haul. During outmigration of fish, a seine net was set in a fixed location for 200 seconds at a time; this was referred to as a 'block seine' for ease of reference. CPUE for fixed block net stations was calculated as the number of fish captured per second.

Temperature data was pooled between Reach 0, 4 and 6 and mean temperature per week was calculated. Temperature data from the Yellowknife River was plotted against the Baker Creek data to provide a local context for the temperature data.

"Upper Baker Creek" – additional surveys

Two additional sections of Baker Creek were sampled in June and July 2010. One area was immediately above the waterfalls at the head of Reach 6 and the second area was upstream towards Pocket Lake. These areas are within the mine lease but upstream of the area receiving treated mine effluent. The area immediately above the waterfalls on Reach 6 was sampled on three occasions only (Appendix A, Table A1) and the area near Pocket Lake was sampled once (July 14, 2010) with INAC (Indian and Northern Affairs Canada) and DFO (Fisheries and Oceans Canada).

Results

Reach 0 to 6

Reaches 0 to 6 of Baker Creek were sampled from May to December, 2010. Results of the fishing effort, catches and observations are found in Appendix A, Tables A1 through A7. Twelve species of fish were captured in Baker Creek (Table A3); an additional one species (Burbot) was observed but not captured (Table A7). No Walleye, Lake Chub or Trout Perch were captured or observed in Reach 0 to 6 despite being captured in Baker Creek in recent years. Sixteen fish were captured in Reach 6 in December, confirming overwintering habitat in this reach of Baker Creek.

Stream temperatures in Baker Creek are presented in Appendix A, Plot A1. Stream temperatures varied from approximately 4 °C to 23 °C from May to October, 2010 (based on data pooled from Reach 0, 4, and 6). Summer and fall temperatures were similar to the mouth of the Yellowknife River.

'Upper Baker' Creek

Three species of fish were found immediately above Reach 6, above the waterfalls: Ninespine Stickleback, Burbot and Northern Pike. One species of fish (Burbot) was captured upstream of the falls closer to Pocket Lake.

Summary

On the basis of these surveys, it is thought that Baker Creek provides habitat for fish in spring, summer fall and winter for numerous small and large-bodied species of fish. Species richness in Reach 0 and 1 in spring is high (over 10 species of fish). Species richness in other reaches of the creek (Reach 3 to 6) is lower, approximately 3. Species richness and abundance are highest in Reach 0. Results suggest slimy sculpin and possibly one other species, northern pike, are year-round residents of Baker Creek.

Attachments (on CD)

Appendix A

Table A1. Total Catch Per Unit Effort of Fish Captured in Reach 0 to Reach 6, Baker Creek, 2010

Table A2. Length and Weight of Fish Captured in Baker Creek, 2010

Table A3. Total Fish Captured by Species, Baker Creek, 2010

Table A4. Total Fish Captured in Each Reach of Lower Baker Creek by Date Sampled, 2010

Table A5. List of Fish Collected and Archived from Baker Creek, 2010

Table A6. Summary of Snorkel Observations in Baker Creek, Spring and Early Summer 2010

Table A7. Summary of Shoreline Observations of Lower Baker Creek, 2010

Table A8. Supporting water quality measurements of Lower Baker Creek, 2010.

Plot A1: Baker Creek temperature from May to October 2010

Figure 1: Index Map for Reaches 1 to 6, Baker Creek

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Table 1: Qualitative summary of fish species presence in reaches of Baker Creek, 2010

Fish Species	Reach 0			Reach 1				Reach 2				Reach 3 ^a		
	May	June	July	May	June	July	September	May	June	July	September	May	June	July
Northern Pike	C (adult)	C (adult and young)	C (adult and young)	C (adult)	C (adult and young)	P (young); R (adult)							R (adult)	
Longnose Sucker	C (adult)	C (adult)		C (adult)	C (adult and young)			C (adult)	P (adult)			C (adult)		
White Sucker	C (adult)	P (adult)		C (adult)	C (adult)									
Walleye	(none in 2010)													
Cisco														
Lake Whitefish	C (adult)	P (adult)		P (adult)	P (adult)									
Arctic Grayling	P (adult)			P (adult)	R (adult) C(young)			P (adult)	P (adult and young)			P (adult)	P (adult and young)	
Emerald Shiner		A (adult and young)	A (adult and young)											
Spottail Shiner		A (adult and young)	A (adult and young)											
Ninespine Stickleback		P (adult)	P (adult)		R (adult)									
Slimy Sculpin			P (adult)				R (adult)				R (adult)			
Burbot		R (young) (observed outside Reach 0)												
Yellow Perch														
Trout Perch		(observed outside Reach 0)												

Fish Species	Reach 4			Reach 5				Reach 6					Above Reach 6 to Pocket Lake ^b		
	May	June	July	May	June	July	September	May	June	July	October	December	May	June	July
Northern Pike	R (adult)	R (adult)				C (young)	C (adult)	R (young)	R (young)	R (young)	R (adult)			R (young)	R (young)
Longnose Sucker	C (adult)	C (adult)		C (adult)				R (adult)							
White Sucker															
Walleye															
Cisco												R (adult)			
Lake Whitefish												C (adult and young)			
Arctic Grayling	P (adult)	P (adult); A(young)		P (adult)	P (adult and young)			R (adult)	P (young)						
Emerald Shiner															
Spottail Shiner															
Ninespine Stickleback				R (adult)				R (adult)						R (adult)	R (adult)
Slimy Sculpin							R (adult)								
Burbot															R (young)
Yellow Perch															
Trout Perch															

Note: P = present, A= abundant, C = common, R = rare, based on qualitative summary of fish captures and observations. a: Reach 3 based only on shoreline observations and snorkelling b: Above the waterfall of Reach 6 and towards Pocket Lake was sampled only briefly so conclusions as to fish presence/absence cannot be made.

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A1 Total Catch Per Unit Effort of Fish Captured in Reach 0 to Reach 6, Baker Creek, 2010							
Effort#	Date	Capture method	Reach fished	Total Set time (s) or Area (m ²) or Haul	Number of Fish Captured	CPUE	Unit
1	May 21/2010	Active seiningI	1	1	0	0.00	per haul
2	May 21/2010	Active seiningII	1	1	0	0.00	per haul
3	May 21/2010	Active seiningIII	1	1	9	9.00	per haul
4	June 07/2010	Block seine	1	200	119	0.60	per second
5	June 07/2010	Block seine II	1	200	39	0.20	per second
6	June 09/2010	Block seineI	6 (above falls)	200	0	0.00	per second
7	June 09/2010	Block seineII	6 (above falls)	200	2	0.01	per second
8	June 09/2010	Block seine III	6 (above falls)	200	1	0.01	per second
9	June 09/2010	Block seine IV	6 (above falls)	200	2	0.01	per second
10	June 09/2010	Block seine V	5	200	1	0.01	per second
11	June 09/2010	Block seine VI	5	200	2	0.01	per second
12	June 09/2010	Block seine VII	5	200	2	0.01	per second
13	June 09/2010	Block seine VIII	5	200	2	0.01	per second
14	June 09/2010	Block seine IX	5	200	1	0.01	per second
15	June 14/2010	Active seining I	5	1	3	3.00	per haul
16	June 14/2010	Active seining II	5	1	7	7.00	per haul
17	June 14/2010	Active seining III	5	1	9	9.00	per haul
18	June 14/2010	Block seine	4	200	2	0.01	per second
19	June 14/2010	Block seine	6 (above falls)	200	0	0.00	per second
20	June 14/2010	Block seine	6 (above falls)	200	0	0.00	per second
21	June 14/2010	Block seine	6 (above falls)	200	0	0.00	per second
22	June 14/2010	Block seine	6 (above falls)	200	0	0.00	per second
23	June 14/2010	Dip Net	5		1	n/a	n/a
24	June 18/2010	Block seine I	1	200	3	0.02	per second
25	June 18/2010	Block seine II	1	200	3	0.02	per second
26	June 18/2010	Block seine III	1	200	3	0.02	per second
27	June 18/2010	Block seine IV	1	200	5	0.03	per second
28	June 18/2010	Block seine V	1	200	8	0.04	per second
29	June 18/2010	Block seineVI	1	200	7	0.04	per second
30	June 18/2010	Block seineVII	1	200	5	0.03	per second
31	June 24/2010	Electrofishing	0	463	14	0.03	per second
32	June 25/2010	Active seining I	0	1	6	6	per haul
33	June 25/2010	Active seining II	0	1	34	34	per haul
34	June 25/2010	Active seining III	0	1	26	26	per haul
35	June 25/2010	Active seining IV	0	1	6	6	per haul
36	June 28/2010	Electrofishing	6	not recorded, field error	1	not recorded, field error	per second
37	June 30/2010	Block seine I	2	200	419	2.10	per second
38	June 30/2010	Block seine II	2	200	14	0.07	per second
39	June 30/2010	Block seine III	2	200	124	0.62	per second
40	June 30/2010	Block seine IV	2	200	6	0.03	per second
41	July 02/2010	Active seining	0	1	103	103	per haul
42	July 02/2010	Block seine I	6 (above falls)	200	2	0.01	per second
43	July 02/2010	Block seine II	6 (above falls)	200	1	0.01	per second
44	July 08/2010	Active seining I	0	24	550	23	per m2
45	July 08/2010	Active seining II	0	1	335	335	per haul
46	July 15/2010	Electrofishing	"Upper Baker", Near Pocket Lake	445	1	0.002	per second
47	July 28/2010	Electrofishing	6	191	3	0.02	per second
48	September 1/2010	Gill net	6	25	0	0.00	per hour
49	September 2/2010	Gill net	6	30	0	0.00	per hour
50	September 22/2010	Electrofishing	1	247	0	0.00	per second
51	September 22/2010	Electrofishing	2	187	0	0.00	per second
52	September 22/2010	Electrofishing	3	168	0	0.00	per second
53	September 22/2010	Electrofishing	4	82	0	0.00	per second
54	September 27/2010	Electrofishing	5	2144	5	0.00	per second
55	September 30/2010	Electrofishing	6 (below falls)	170	0	0.00	per hour
56	September 30/2010	Gill net	6	24	2	0.08	per hour
57	December 17/2010	Gill net	6	24	16	0.67	per hour

CPUE = catch-per-unit-effort; n/a = not applicable; m² = meters squared

Note: Catches in Reach 6 were below the main waterfalls with the exception of the block seine nets, which were set above the waterfalls and are noted as 'above falls'

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A2. Length and Weight of Fish Captured in Baker Creek, 2010

Number	Date	Water Temperature	Species	Length (mm)	Weight (g)	Life stage	Sex	Capture method	Reach	Comment
1	May 21/2010	8.8	LNSC	432	1.1	Adult	male	Active seining III	1	-
2	May 21/2010	8.8	LNSC	468	not measured	Adult	male	Active seining III	1	-
3	May 21/2010	8.8	LNSC	418	1.0	Adult	female	Active seining III	1	-
4	May 21/2010	8.8	LNSC	481	1.7	Adult	male	Active seining III	1	-
5	May 21/2010	8.8	LNSC	394	1.0	Adult	male	Active seining III	1	-
6	May 21/2010	8.8	LNSC	471	1.5	Adult	male	Active seining III	1	-
7	May 21/2010	8.8	LNSC	500	1.7	Adult	male	Active seining III	1	-
8	May 21/2010	8.8	LNSC	422	1.3	Adult	male	Active seining III	1	-
9	May 21/2010	8.8	LNSC	460	1.4	Adult	male	Active seining III	1	-
10	June 07/2010	not measured	NSST	52	not measured	YOY	Unknown	Block seine	1	-
11	June 07/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine	1	-
12	June 07/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine	1	-
13	June 07/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine	1	-
14	June 07/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine	1	-
15	June 07/2010	16.6	ARGR	22.5	not measured	YOY	Unknown	Block seine	1	-
16	June 07/2010	not measured	NSST	50	not measured	YOY	Unknown	Block seine	1	-
17	June 07/2010	16.6	ARGR	19	not measured	YOY	Unknown	Block seine	1	-
18	June 07/2010	16.6	ARGR	24	not measured	YOY	Unknown	Block seine	1	-
19	June 07/2010	16.6	ARGR	19	not measured	YOY	Unknown	Block seine	1	-
20	June 07/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine	1	-
21	June 07/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine	1	-
22	June 07/2010	16.6	ARGR	24.5	not measured	YOY	Unknown	Block seine	1	-
23	June 07/2010	not measured	NSST	50	not measured	YOY	Unknown	Block seine	1	-
24	June 07/2010	16.6	ARGR	24	not measured	YOY	Unknown	Block seine	1	-
25	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
26	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
27	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
28	June 07/2010	16.6	Sucker sp.	12	not measured	YOY	Unknown	Block seine	1	-
29	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
30	June 07/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine	1	-
31	June 07/2010	16.6	NRPK	12	not measured	YOY	Unknown	Block seine	1	-
32	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
33	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
34	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
35	June 07/2010	16.6	NRPK	12	not measured	YOY	Unknown	Block seine	1	-
36	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
37	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
38	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
39	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
40	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
41	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
42	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
43	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
44	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
45	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
46	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
47	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
48	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
49	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
50	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
51	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
52	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
53	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
54	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
55	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
56	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
57	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
58	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
59	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
60	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
61	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
62	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
63	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
64	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
65	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
66	June 07/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine	1	-
67	June 07/2010	16.6	ARGR	20	not measured	YOY	Unknown	Block seine	1	-
68	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
69	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
70	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
71	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
72	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
73	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
74	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
75	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
76	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
77	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
78	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Number	Date	Water Temperature	Species	Length (mm)	Weight (g)	Life stage	Sex	Capture method	Reach	Comment
79	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
80	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
81	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
82	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
83	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
84	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
85	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
86	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
87	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
88	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
89	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
90	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
91	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
92	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
93	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
94	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
95	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine	1	-
96	June 07/2010	16.6	NRPK	13	not measured	YOY	Unknown	Block seine	1	-
97	June 07/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine	1	-
98	June 07/2010	16.6	ARGR	25	not measured	YOY	Unknown	Block seine	1	-
99	June 07/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine	1	-
100	June 07/2010	16.6	ARGR	23.5	not measured	YOY	Unknown	Block seine	1	-
101	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
102	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
103	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
104	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
105	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
106	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
107	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
108	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
109	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
110	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
111	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
112	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
113	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
114	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
115	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
116	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
117	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
118	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
119	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
120	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
121	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
122	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
123	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
124	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
125	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
126	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
127	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
128	June 07/2010	16.6	ARGR	n/a	not measured	YOY	Unknown	Block seine II	1	-
129	June 07/2010	16.6	NRPK	128	not measured	YOY	Unknown	Block seine III	1	-
130	June 07/2010	16.6	ARGR	23	not measured	YOY	Unknown	Block seine III	1	-
131	June 07/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine III	1	-
132	June 07/2010	16.6	ARGR	15.5	not measured	YOY	Unknown	Block seine III	1	-
133	June 07/2010	16.6	ARGR	23	not measured	YOY	Unknown	Block seine III	1	-
134	June 07/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine III	1	-
135	June 07/2010	16.6	ARGR	25	not measured	YOY	Unknown	Block seine III	1	-
136	June 07/2010	16.6	ARGR	26	not measured	YOY	Unknown	Block seine III	1	-
137	June 07/2010	16.6	ARGR	25	not measured	YOY	Unknown	Block seine III	1	-
138	June 07/2010	16.6	ARGR	23	not measured	YOY	Unknown	Block seine III	1	-
139	June 07/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine III	1	-
140	June 07/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine III	1	-
141	June 07/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine III	1	-
142	June 07/2010	16.6	ARGR	25	not measured	YOY	Unknown	Block seine III	1	-
143	June 07/2010	16.6	ARGR	23.5	not measured	YOY	Unknown	Block seine III	1	-
144	June 07/2010	16.6	ARGR	26.5	not measured	YOY	Unknown	Block seine III	1	-
145	June 07/2010	16.6	ARGR	25	not measured	YOY	Unknown	Block seine III	1	-
146	June 07/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine III	1	-
147	June 07/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine III	1	-
148	June 07/2010	16.6	ARGR	25	not measured	YOY	Unknown	Block seine III	1	-
149	June 07/2010	16.6	ARGR	25	not measured	YOY	Unknown	Block seine III	1	-
150	June 07/2010	16.6	ARGR	25	not measured	YOY	Unknown	Block seine III	1	-
151	June 07/2010	16.6	ARGR	24	not measured	YOY	Unknown	Block seine III	1	-
152	June 07/2010	16.6	ARGR	23.5	not measured	YOY	Unknown	Block seine III	1	-
153	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
154	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
155	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
156	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
157	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
158	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-

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Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Number	Date	Water Temperature	Species	Length (mm)	Weight (g)	Life stage	Sex	Capture method	Reach	Comment
159	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
160	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
161	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
162	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
163	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
164	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
165	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
166	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
167	June 07/2010	16.6	Sucker sp.	13	not measured	YOY	Unknown	Block seine III	1	-
168	June 09/2010	not measured	NSST	53	not measured	Adult	Unknown	Block seine II	6	above falls
169	June 09/2010	not measured	NSST	49	not measured	Adult	Unknown	Block seine II	6	above falls
170	June 09/2010	not measured	NSST	48.5	not measured	Adult	Unknown	Block seine III	6	above falls
171	June 09/2010	not measured	NSST	53	not measured	Adult	Unknown	Block seine IV	6	above falls
172	June 09/2010	16.6	NRPK	132	not measured	Juvenile	Unknown	Block seine IV	6	above falls
173	June 09/2010	16.6	ARGR	21	not measured	YOY	Unknown	Block seine V	5	-
174	June 09/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine VI	5	-
175	June 09/2010	16.6	ARGR	27.5	not measured	YOY	Unknown	Block seine VI	5	-
176	June 09/2010	16.6	ARGR	22	not measured	YOY	Unknown	Block seine VII	5	-
177	June 09/2010	16.6	ARGR	24	not measured	YOY	Unknown	Block seine VII	5	-
178	June 09/2010	16.6	ARGR	22.5	not measured	YOY	Unknown	Block seine VIII	5	-
179	June 09/2010	16.6	ARGR	23	not measured	YOY	Unknown	Block seine VIII	5	-
180	June 09/2010	16.6	ARGR	23	not measured	YOY	Unknown	Block seine IX	5	-
181	June 14/2010	18.2	ARGR	31.75	0.262	YOY	Unknown	Net scoop	5	Archived
182	June 14/2010	18.2	ARGR	27.46	0.153	YOY	Unknown	Active seining I	5	Archived
183	June 14/2010	18.2	ARGR	33.12	0.301	YOY	Unknown	Active seining I	5	Archived
184	June 14/2010	18.2	ARGR	28.15	0.172	YOY	Unknown	Active seining I	5	Archived
185	June 14/2010	18.2	ARGR	30.65	0.221	YOY	Unknown	Active seining II	5	Archived
186	June 14/2010	18.2	ARGR	28.48	0.193	YOY	Unknown	Active seining II	5	Archived
187	June 14/2010	18.2	ARGR	26.65	0.161	YOY	Unknown	Active seining II	5	Archived
188	June 14/2010	18.2	ARGR	32.13	0.245	YOY	Unknown	Active seining II	5	Archived
189	June 14/2010	18.2	ARGR	22.97	0.099	YOY	Unknown	Active seining II	5	Archived
190	June 14/2010	18.2	ARGR	29.68	0.186	YOY	Unknown	Active seining II	5	Archived
191	June 14/2010	18.2	ARGR	27.38	0.153	YOY	Unknown	Active seining II	5	Archived
192	June 14/2010	18.2	NRPK	28.29	0.162	YOY	Unknown	Active seining III	5	Archived
193	June 14/2010	18.2	NRPK	23.93	0.103	YOY	Unknown	Active seining III	5	Archived
194	June 14/2010	18.2	NRPK	24.4	0.085	YOY	Unknown	Active seining III	5	Archived
195	June 14/2010	18.2	NRPK	26.04	0.106	YOY	Unknown	Active seining III	5	Archived
196	June 14/2010	18.2	NRPK	23.86	0.081	YOY	Unknown	Active seining III	5	Archived
197	June 14/2010	18.2	NRPK	n/a	not measured	YOY	Unknown	Active seining III	5	-
198	June 14/2010	18.2	NRPK	n/a	not measured	YOY	Unknown	Active seining III	5	-
199	June 14/2010	18.2	NRPK	n/a	not measured	YOY	Unknown	Active seining III	5	-
200	June 14/2010	18.2	NRPK	n/a	not measured	YOY	Unknown	Active seining III	5	-
201	June 14/2010	18.2	NRPK	n/a	not measured	YOY	Unknown	Block seine	4	-
202	June 14/2010	not measured	NSST	52	not measured	Adult	Unknown	Block seine	4	-
203	June 18/2010	not measured	ARGR	40	not measured	YOY	Unknown	Block seine I	1	-
204	June 18/2010	not measured	ARGR	35	not measured	YOY	Unknown	Block seine I	1	-
205	June 18/2010	not measured	NRPK	21	not measured	YOY	Unknown	Block seine I	1	-
206	June 18/2010	not measured	ARGR	31	not measured	YOY	Unknown	Block seine II	1	-
207	June 18/2010	not measured	NRPK	32	not measured	YOY	Unknown	Block seine II	1	-
208	June 18/2010	not measured	NRPK	28.5	not measured	YOY	Unknown	Block seine II	1	-
209	June 18/2010	not measured	ARGR	34	not measured	YOY	Unknown	Block seine III	1	-
210	June 18/2010	not measured	NSST	51	not measured	Adult	Unknown	Block seine III	1	-
211	June 18/2010	not measured	NRPK	22	not measured	YOY	Unknown	Block seine III	1	-
212	June 18/2010	not measured	NSST	48	not measured	Adult	Unknown	Block seine IV	1	-
213	June 18/2010	not measured	ARGR	38	not measured	YOY	Unknown	Block seine IV	1	-
214	June 18/2010	not measured	ARGR	26	not measured	YOY	Unknown	Block seine IV	1	-
215	June 18/2010	not measured	ARGR	29	not measured	YOY	Unknown	Block seine IV	1	-
216	June 18/2010	not measured	NSST	34	not measured	Juvenile	Unknown	Block seine IV	1	-
217	June 18/2010	not measured	ARGR	39	not measured	YOY	Unknown	Block seine V	1	-
218	June 18/2010	not measured	ARGR	41	not measured	YOY	Unknown	Block seine V	1	-
219	June 18/2010	not measured	ARGR	21	not measured	YOY	Unknown	Block seine V	1	-
220	June 18/2010	not measured	ARGR	42	not measured	YOY	Unknown	Block seine V	1	-
221	June 18/2010	not measured	ARGR	30	not measured	YOY	Unknown	Block seine V	1	-
222	June 18/2010	not measured	NRPK	150	not measured	Juvenile	Unknown	Block seine V	1	-
223	June 18/2010	not measured	ARGR	41	not measured	YOY	Unknown	Block seine V	1	-
224	June 18/2010	not measured	ARGR	28	not measured	YOY	Unknown	Block seine V	1	-
225	June 18/2010	not measured	ARGR	37	not measured	YOY	Unknown	Block seineVI	1	-
226	June 18/2010	not measured	ARGR	28	not measured	YOY	Unknown	Block seineVI	1	-
227	June 18/2010	not measured	ARGR	28	not measured	YOY	Unknown	Block seineVI	1	-
228	June 18/2010	not measured	NSST	43	not measured	Adult	Unknown	Block seineVI	1	-
229	June 18/2010	not measured	ARGR	38	not measured	YOY	Unknown	Block seineVI	1	-
230	June 18/2010	not measured	ARGR	26	not measured	YOY	Unknown	Block seineVI	1	-
231	June 18/2010	not measured	ARGR	35	not measured	YOY	Unknown	Block seineVI	1	-
232	June 18/2010	not measured	NRPK	34	not measured	YOY	Unknown	Block seineVII	1	-
233	June 18/2010	not measured	NRPK	21	not measured	YOY	Unknown	Block seineVII	1	-
234	June 18/2010	not measured	ARGR	23	not measured	YOY	Unknown	Block seineVII	1	-
235	June 18/2010	not measured	ARGR	33	not measured	YOY	Unknown	Block seineVII	1	-
236	June 18/2010	not measured	ARGR	26	not measured	YOY	Unknown	Block seineVII	1	-
237	June 24/2010	not measured	SLSC	60	2.534	Adult	female	Electrofishing	0	Archived
238	June 24/2010	not measured	SLSC	66	2.765	Adult	female	Electrofishing	0	Archived

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Number	Date	Water Temperature	Species	Length (mm)	Weight (g)	Life stage	Sex	Capture method	Reach	Comment
239	June 24/2010	not measured	SLSC	62	2.064	Adult	female	Electrofishing	0	Archived
240	June 24/2010	not measured	SLSC	53	1.354	Adult	male	Electrofishing	0	Archived
241	June 24/2010	not measured	SLSC	52.5	1.414	Adult	male	Electrofishing	0	Archived
242	June 24/2010	not measured	SLSC	52	1.271	Adult	female	Electrofishing	0	Archived
243	June 24/2010	not measured	SLSC	64.5	3.248	Adult	Unknown	Electrofishing	0	Archived
244	June 24/2010	not measured	SLSC	52	1.286	Adult	Unknown	Electrofishing	0	Archived
245	June 24/2010	not measured	SLSC	70	3.659	Adult	Unknown	Electrofishing	0	Archived
246	June 24/2010	not measured	SLSC	43	1.018	U	Unknown	Electrofishing	0	Archived
247	June 24/2010	not measured	SLSC	51.5	1.351	Adult	Unknown	Electrofishing	0	Archived
248	June 24/2010	not measured	SLSC	49	1.070	Adult	Unknown	Electrofishing	0	Archived
249	June 24/2010	not measured	SLSC	48	0.972	Adult	Unknown	Electrofishing	0	Archived
250	June 24/2010	not measured	SLSC	49	1.050	Adult	Unknown	Electrofishing	0	Archived
251	June 25/2010	not measured	Coreg sp.	43	0.540	YOY	Unknown	Active seining IV	0	Archived for identification
252	June 25/2010	not measured	Coreg sp.	35	0.293	YOY	Unknown	Active seining IV	0	Archived for identification
253	June 25/2010	not measured	Coreg sp.	36.5	0.351	YOY	Unknown	Active seining IV	0	Archived for identification
254	June 25/2010	not measured	Coreg sp.	30	0.219	YOY	Unknown	Active seining IV	0	Archived for identification
255	June 25/2010	not measured	Coreg sp.	31	0.208	YOY	Unknown	Active seining IV	0	Archived for identification
256	June 25/2010	not measured	Coreg sp.	32.5	0.308	YOY	Unknown	Active seining IV	0	Archived for identification
257	June 25/2010	not measured	EMSH		not measured	UNK	Unknown	Active seining II	0	-
258	June 25/2010	not measured	NRPK	44	0.547	YOY	Unknown	Active seining I	0	Archived
259	June 25/2010	not measured	NRPK	38.5	0.315	YOY	Unknown	Active seining I	0	Archived
260	June 25/2010	not measured	NRPK	34.5	0.253	YOY	Unknown	Active seining I	0	Archived
261	June 25/2010	not measured	NRPK	41	0.459	YOY	Unknown	Active seining I	0	Archived
262	June 25/2010	not measured	NRPK	35.5	0.332	YOY	Unknown	Active seining I	0	Archived
263	June 25/2010	not measured	NRPK	170	not measured	Juvenile	Unknown	Active seining I	0	released
264	June 25/2010	not measured	NRPK	32.5	0.224	YOY	Unknown	Active seining II	0	Archived
265	June 25/2010	not measured	NRPK	34	0.231	YOY	Unknown	Active seining II	0	Archived
266	June 25/2010	not measured	NRPK	32	0.186	YOY	Unknown	Active seining II	0	Archived
267	June 25/2010	not measured	NRPK		not measured		Unknown	Active seining III	0	-
268	June 25/2010	not measured	NRPK		not measured		Unknown	Active seining III	0	-
269	June 25/2010	not measured	NRPK		not measured		Unknown	Active seining III	0	-
270	June 25/2010	not measured	NRPK		not measured		Unknown	Active seining III	0	-
271	June 25/2010	not measured	NRPK		not measured		Unknown	Active seining III	0	-
272	June 25/2010	not measured	NRPK		not measured		Unknown	Active seining III	0	-
273	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
274	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
275	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
276	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
277	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
278	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
279	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
280	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
281	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
282	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
283	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
284	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
285	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
286	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
287	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
288	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
289	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
290	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
291	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
292	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
293	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
294	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
295	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
296	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
297	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
298	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
299	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
300	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
301	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
302	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
303	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
304	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
305	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
306	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
307	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
308	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
309	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
310	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
311	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
312	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Number	Date	Water Temperature	Species	Length (mm)	Weight (g)	Life stage	Sex	Capture method	Reach	Comment
313	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
314	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
315	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
316	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
317	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
318	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
319	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
320	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
321	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
322	June 25/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining III	0	-
323	June 28/2010	not measured	NRPK	210	not measured	Juvenile	Unknown	Electrofishing	6	Captured below falls
324	June 30/2010	not measured	NSST	48	not measured	Adult	Unknown	Block seine I	1	
325	June 30/2010	not measured	Sucker sp.	21	not measured	YOY	Unknown	Block seine I	1	-
326	June 30/2010	not measured	Sucker sp.	28	not measured	YOY	Unknown	Block seine I	1	-
327	June 30/2010	not measured	Sucker sp.	27	not measured	YOY	Unknown	Block seine I	1	-
328	June 30/2010	not measured	Sucker sp.	21	not measured	YOY	Unknown	Block seine I	1	-
329	June 30/2010	not measured	Sucker sp.	25	not measured	YOY	Unknown	Block seine I	1	-
330	June 30/2010	not measured	Sucker sp.	22	not measured	YOY	Unknown	Block seine I	1	-
331	June 30/2010	not measured	Sucker sp.	22	not measured	YOY	Unknown	Block seine I	1	-
332	June 30/2010	not measured	Sucker sp.	26	not measured	YOY	Unknown	Block seine I	1	-
333	June 30/2010	not measured	Sucker sp.	20	not measured	YOY	Unknown	Block seine I	1	-
334	June 30/2010	not measured	Sucker sp.	21.5	not measured	YOY	Unknown	Block seine I	1	-
335	June 30/2010	not measured	Sucker sp.	22	not measured	YOY	Unknown	Block seine I	1	-
336	June 30/2010	not measured	Sucker sp.	25	not measured	YOY	Unknown	Block seine I	1	-
337	June 30/2010	not measured	Sucker sp.	25.5	not measured	YOY	Unknown	Block seine I	1	-
338	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
339	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
340	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
341	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
342	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
343	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
344	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
345	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
346	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
347	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
348	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
349	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
350	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
351	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
352	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
353	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
354	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
355	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
356	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
357	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
358	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
359	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
360	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
361	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
362	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
363	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
364	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
365	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
366	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
367	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
368	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
369	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
370	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
371	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
372	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
373	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
374	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
375	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
376	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
377	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
378	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
379	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
380	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
381	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
382	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
383	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
384	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
385	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
386	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
387	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
388	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
389	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
390	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-
391	June 30/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Block seine I	1	-

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

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Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Number	Date	Water Temperature	Species	Length (mm)	Weight (g)	Life stage	Sex	Capture method	Reach	Comment
872	June 30/2010	not measured	Sucker sp.	20	not measured	YOY	Unknown	Block seine III	1	-
873	June 30/2010	not measured	Sucker sp.	19	not measured	YOY	Unknown	Block seine III	1	-
874	June 30/2010	not measured	Sucker sp.	22	not measured	YOY	Unknown	Block seine III	1	-
875	June 30/2010	not measured	Sucker sp.	20	not measured	YOY	Unknown	Block seine III	1	-
876	June 30/2010	not measured	Sucker sp.	21	not measured	YOY	Unknown	Block seine III	1	-
877	June 30/2010	not measured	Sucker sp.	19	not measured	YOY	Unknown	Block seine III	1	-
878	June 30/2010	not measured	Sucker sp.	19	not measured	YOY	Unknown	Block seine III	1	-
879	June 30/2010	not measured	Sucker sp.	20	not measured	YOY	Unknown	Block seine III	1	-
880	June 30/2010	not measured	Sucker sp.	22	not measured	YOY	Unknown	Block seine III	1	-
881	June 30/2010	not measured	NRPK	50	not measured	YOY	Unknown	Block seine IV	1	-
882	June 30/2010	not measured	NRPK	39	not measured	YOY	Unknown	Block seine IV	1	-
883	June 30/2010	not measured	Sucker sp.	20	not measured	YOY	Unknown	Block seine IV	1	-
884	June 30/2010	not measured	Sucker sp.	20.5	not measured	YOY	Unknown	Block seine IV	1	-
885	June 30/2010	not measured	Sucker sp.	21	not measured	YOY	Unknown	Block seine IV	1	-
886	June 30/2010	not measured	NRPK	51	not measured	YOY	Unknown	Block seine IV	1	-
887	July 02/2010	not measured	NRPK	163	not measured	Juvenile	Unknown	Block seine III	6	Upper Baker, above falls
888	July 02/2010	not measured	NSST	23	not measured	Juvenile	Unknown	Block seine III	6	Upper Baker, above falls
889	July 02/2010	not measured	NSST	20	not measured	Juvenile	Unknown	Block seine IV	6	Upper Baker, above falls
890	July 02/2010	not measured	SLSC	71	not measured	Adult	Unknown	Active seining	0	-
891	July 02/2010	not measured	SLSC	52	not measured	Adult	Unknown	Active seining	0	-
892	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
893	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
894	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
895	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
896	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
897	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
898	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
899	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
900	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
901	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
902	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
903	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
904	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
905	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
906	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
907	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
908	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
909	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
910	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
911	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
912	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
913	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
914	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
915	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
916	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
917	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
918	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
919	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
920	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
921	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
922	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
923	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
924	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
925	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
926	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
927	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
928	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
929	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
930	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
931	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
932	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
933	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
934	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
935	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
936	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
937	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
938	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
939	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
940	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
941	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
942	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
943	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
944	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
945	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
946	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
947	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-
948	July 02/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining	0	-

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

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Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

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Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

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Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

[illegible]

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Number	Date	Water Temperature	Species	Length (mm)	Weight (g)	Life stage	Sex	Capture method	Reach	Comment
1829	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1830	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1831	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1832	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1833	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1834	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1835	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1836	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1837	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1838	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1839	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1840	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1841	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1842	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1843	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1844	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1845	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1846	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1847	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1848	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1849	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1850	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1851	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1852	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1853	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1854	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1855	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1856	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1857	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1858	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1859	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1860	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1861	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1862	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1863	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1864	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1865	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1866	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1867	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1868	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1869	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1870	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1871	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1872	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1873	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1874	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1875	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1876	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1877	July 08/2010	not measured	Sucker sp.	released	not measured	YOY	Unknown	Active seining II	0	-
1878	July 15/2010	not measured	BURB	24	88	YOY	Unknown	Electrofishing		UTM Coordinates:063518 9/6934100
1879	July 28/2010	23.2	NRPK	170	not measured	Juvenile	Unknown	Electrofishing	6	Below falls
1880	July 28/2010	23.2	NRPK	450	not measured	Adult	Unknown	Electrofishing	6	-
1881	July 28/2010	23.2	NRPK	90	not measured	Juvenile	Unknown	Electrofishing	6	-
1882	Sept. 27/2010	not measured	NRPK	104	7.5	Juvenile	Unknown	Electrofishing	5	Archived
1883	Sept. 27/2010	not measured	NRPK	231	83.2	Juvenile	Unknown	Electrofishing	5	Archived
1884	Sept. 27/2010	not measured	NRPK	222	73.8	Juvenile	Unknown	Electrofishing	5	Archived
1885	Sept. 27/2010	not measured	NRPK	193	46.9	Juvenile	Unknown	Electrofishing	5	Archived
1886	Sept. 27/2010	not measured	NRPK	106	6.9	Juvenile	Unknown	Electrofishing	5	Archived
1887	Sept. 30/2010	not measured	NRPK	388	393.6	Juvenile	Unknown	Gill net	6	Archived
1888	Sept. 30/2010	not measured	NRPK	323	204.4	Juvenile	Unknown	Gill net	6	Archived
1889	Dec. 17/2010	not measured	CISC	296	400	Unknown	Unknown	Gill net	6	Archived
1890	Dec. 17/2010	not measured	Hybrid CxW	430	1300.0	Unknown	Unknown	Gill net	6	Archived
1891	Dec. 17/2010	not measured	LKWH	221	126.0	Unknown	Unknown	Gill net	6	Archived
1892	Dec. 17/2010	not measured	LKWH	218	132.0	Unknown	Unknown	Gill net	6	Archived
1893	Dec. 17/2010	not measured	LKWH	336	700.0	Unknown	Unknown	Gill net	6	Archived
1894	Dec. 17/2010	not measured	LKWH	215	118.0	Unknown	Unknown	Gill net	6	Archived
1895	Dec. 17/2010	not measured	LKWH	216	123.0	Unknown	Unknown	Gill net	6	Archived
1896	Dec. 17/2010	not measured	LKWH	464	1650.0	Unknown	Unknown	Gill net	6	Archived
1897	Dec. 17/2010	not measured	LKWH	357	850.0	Unknown	Unknown	Gill net	6	Archived
1898	Dec. 17/2010	not measured	LKWH	428	1200.0	Unknown	Unknown	Gill net	6	Archived
1899	Dec. 17/2010	not measured	LKWH	393	1000.0	Unknown	Unknown	Gill net	6	Archived
1900	Dec. 17/2010	not measured	LKWH	353	700.0	Unknown	Unknown	Gill net	6	Archived
1901	Dec. 17/2010	not measured	LKWH	394	1000.0	Unknown	Unknown	Gill net	6	Archived
1902	Dec. 17/2010	not measured	LKWH	328	600.0	Unknown	Unknown	Gill net	6	Archived
1903	Dec. 17/2010	not measured	LKWH	432	1250.0	Unknown	Unknown	Gill net	6	Archived
1904	Dec. 17/2010	not measured	LKWH	332	600.0	Unknown	Unknown	Gill net	6	Archived
										-

g=grams;mm=millimeters; YOY= young-of-the-year

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Number	Date	Water Temperature	Species	Length (mm)	Weight (g)	Life stage	Sex	Capture method	Reach	Comment
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Species codes:
ARGR = arctic grayling EMSH = emerald shiner SPSH = spottail shiner
SLSC = slimy sculpin LKWH = lake whitefish CISC = cisco
NNST – ninespine stickleback NRPK = northern pike LNSC = Longnose sucker
Sucker spp = unknown sucker specie
Note: Fish archived and frozen for future metals anlaysis are noted as 'archived'; fish archived for future taxonomic indentification are marked as such.

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A3

Total Fish Captured by Species, Baker Creek, 2010

Species	Number Captured
Arctic Grayling	112
Cisco	1
Coregonid (species unknown)	24
Emerald Shiner	11
Hybrid Lake Whitefish -Cisco	1
Lake Whitefish	14
Longnose Sucker	9
Northern Pike	54
Ninespine Stickleback	52
Slimy Sculpin	16
Spottail Shiner	18
Sucker (species unknown)	1591
Burbot ¹	1
Total Captured	1904
Species Richness (on the basis of captures)	13

¹ One Burbot found dead in Reach 0 and 1 Burbot captured above Reach 6, near Pocket Lake

Note: Includes fish captured in Reach 0 to 6 and upstream of Reach 6 waterfalls and near Pocket Lake

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A4

**Total Fish Captured in Each Reach of Lower Baker Creek by
Date Sampled, 2010**

Date	Reach	Total Captured
21-May-10	1	9
07-Jun-10	1	158
09-Jun-10	5	8
09-Jun-10	6 (above waterfalls)	5
14-Jun-10	4	2
14-Jun-10	5	20
18-Jun-10	1	34
24-Jun-10	0	14
25-Jun-10	0	72
28-Jun-10	6	1
30-Jun-10	1	563
02-Jul-10	0	103
02-Jul-10	6 (above waterfalls)	3
08-Jul-10	0	885
15-Jul-10	"Upper Baker" above Reach 6	1
28-Jul-10	6	3
27-Sep-10	5	5
30-Sep-10	6	2
17-Dec-10	6	16
	<i>total</i>	1904

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A5

List of Fish Collected and Archived for Metals Analysis from Baker Creek, 2010 ^B

Fish Number*	Date	Location	Species	Fork length (mm)	Weight (g)	Archive status	Life Stage	Maturity Code	Sex	Carcass Wt (g)
192	June 14/2010	Baker Creek Reach 5	Northern pike	28.29	0.162	frozen whole in individual vial	YOY	UN	UN	-
193	June 14/2010	Baker Creek Reach 5	Northern pike	23.93	0.103	frozen whole in individual vial	YOY	UN	UN	-
194	June 14/2010	Baker Creek Reach 5	Northern pike	24.4	0.085	frozen whole in individual vial	YOY	UN	UN	-
195	June 14/2010	Baker Creek Reach 5	Northern pike	26.04	0.106	frozen whole in individual vial	YOY	UN	UN	-
196	June 14/2010	Baker Creek Reach 5	Northern pike	23.86	0.081	frozen whole in individual vial	YOY	UN	UN	-
258	June 25/2010	Baker Creek Reach 0	Northern pike	44	0.547	frozen whole in individual vial	YOY	UN	UN	-
259	June 25/2010	Baker Creek Reach 0	Northern pike	38.5	0.315	frozen whole in individual vial	YOY	UN	UN	-
260	June 25/2010	Baker Creek Reach 0	Northern pike	34.5	0.253	frozen whole in individual vial	YOY	UN	UN	-
261	June 25/2010	Baker Creek Reach 0	Northern pike	41	0.459	frozen whole in individual vial	YOY	UN	UN	-
262	June 25/2010	Baker Creek Reach 0	Northern pike	35.5	0.332	frozen whole in individual vial	YOY	UN	UN	-
264	June 25/2010	Baker Creek Reach 0	Northern pike	32.5	0.224	frozen whole in individual vial	YOY	UN	UN	-
265	June 25/2010	Baker Creek Reach 0	Northern pike	34	0.231	frozen whole in individual vial	YOY	UN	UN	-
266	June 25/2010	Baker Creek Reach 0	Northern pike	32	0.186	frozen whole in individual vial	YOY	UN	UN	-
1882	Sept. 27/2010	Baker Creek Reach 5	Northern pike	104	7.5	removed otolith, frozen whole in individual vial	J	UN	UN	-
1883	Sept. 27/2010	Baker Creek Reach 5	Northern pike	231	83.2	removed otolith, frozen whole in individual vial	J	UN	UN	-
1884	Sept. 27/2010	Baker Creek Reach 5	Northern pike	222	73.8	removed otolith, frozen whole in individual vial	J	UN	UN	-

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A5

List of Fish Collected and Archived for Metals Analysis from Baker Creek, 2010^B

Fish Number*	Date	Location	Species	Fork length (mm)	Weight (g)	Archive status	Life Stage	Maturity Code	Sex	Carcass Wt (g)
1885	Sept. 27/2010	Baker Creek Reach 5	Northern pike	193	46.9	removed otolith, frozen whole in individual vial	J	UN	UN	-
1886	Sept. 27/2010	Baker Creek Reach 5	Northern pike	106	6.9	removed otolith, frozen whole in individual vial	J	UN	UN	-
1887	Sept. 30/2010	Baker Pond Reach 6	Northern pike	388	393.6	removed otolith, frozen whole in individual vial	J	UN	UN	-
1888	Sept. 30/2010	Baker Pond Reach 6	Northern pike	323	204.4	removed otolith, frozen whole in individual vial	J	UN	UN	-
182	June 24/2010	Baker Creek Reach 0	Slimy sculpin	60	2.534	removed otolith, frozen whole in individual vial	A	UN	F	-
183	June 24/2010	Baker Creek Reach 0	Slimy sculpin	66	2.765	removed otolith, frozen whole in individual vial	A	UN	F	2.456
184	June 24/2010	Baker Creek Reach 0	Slimy sculpin	62	2.064	removed otolith, frozen whole in individual vial	A	UN	F	1.66
185	June 24/2010	Baker Creek Reach 0	Slimy sculpin	53	1.354	removed otolith, frozen whole in individual vial	A	UN	M	1.156
186	June 24/2010	Baker Creek Reach 0	Slimy sculpin	52.5	1.4139 ^A	removed otolith, frozen whole in individual vial	A	UN	M	1.218
187	June 24/2010	Baker Creek Reach 0	Slimy sculpin	52	1.2711	removed otolith, frozen whole in individual vial	A	UN	F	1.047
188	June 24/2010	Baker Creek Reach 0	Slimy sculpin	64.5	3.248	removed otolith, frozen whole in individual vial	A	UN	UN	-
189	June 24/2010	Baker Creek Reach 0	Slimy sculpin	52	1.2863	removed otolith, frozen whole in individual vial	A	UN	UN	-

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010 Table A5

List of Fish Collected and Archived for Metals Analysis from Baker Creek, 2010 ^B

Fish Number*	Date	Location	Species	Fork length (mm)	Weight (g)	Archive status	Life Stage	Maturity Code	Sex	Carcass Wt (g)
190	June 24/2010	Baker Creek Reach 0	Slimy sculpin	70	3.6588	removed otolith, frozen whole in individual vial	A	UN	UN	-
191	June 24/2010	Baker Creek Reach 0	Slimy sculpin	43	1.0175	removed otolith, frozen whole in individual vial	A	UN	UN	-
192	June 24/2010	Baker Creek Reach 0	Slimy sculpin	51.5	1.3506	removed otolith, frozen whole in individual vial	A	UN	UN	-
193	June 24/2010	Baker Creek Reach 0	Slimy sculpin	49	1.0697	removed otolith, frozen whole in individual vial	A	UN	UN	-
194	June 24/2010	Baker Creek Reach 0	Slimy sculpin	48	0.9717	removed otolith, frozen whole in individual vial	A	UN	UN	-
195	June 24/2010	Baker Creek Reach 0	Slimy sculpin	49	1.0499	removed otolith, frozen whole in individual vial	A	UN	UN	-
181	June 14/2010	Baker Creek Reach 5	Arctic Grayling	31.75	0.262	frozen individually in vial	Y	YOY	UN	-
182	June 14/2010	Baker Creek Reach 5	Arctic Grayling	27.46	0.153	frozen individually in vial	Y	YOY	UN	-
183	June 14/2010	Baker Creek Reach 5	Arctic Grayling	33.12	0.301	frozen individually in vial	Y	YOY	UN	-
184	June 14/2010	Baker Creek Reach 5	Arctic Grayling	28.15	0.172	frozen individually in vial	Y	YOY	UN	-
185	June 14/2010	Baker Creek Reach 5	Arctic Grayling	30.65	0.221	frozen individually in vial	Y	YOY	UN	-
186	June 14/2010	Baker Creek Reach 5	Arctic Grayling	28.48	0.193	frozen individually in vial	Y	YOY	UN	-
187	June 14/2010	Baker Creek Reach 5	Arctic Grayling	26.65	0.161	frozen individually in vial	Y	YOY	UN	-
188	June 14/2010	Baker Creek Reach 5	Arctic Grayling	32.13	0.245	frozen individually in vial	Y	YOY	UN	-
189	June 14/2010	Baker Creek Reach 5	Arctic Grayling	22.97	0.099	frozen individually in vial	Y	YOY	UN	-

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A5

List of Fish Collected and Archived for Metals Analysis from Baker Creek, 2010 ^B

Fish Number*	Date	Location	Species	Fork length (mm)	Weight (g)	Archive status	Life Stage	Maturity Code	Sex	Carcass Wt (g)
190	June 14/2010	Baker Creek Reach 5	Arctic Grayling	29.68	0.186	frozen individually in vial	Y	YOY	UN	-
191	June 14/2010	Baker Creek Reach 5	Arctic Grayling	27.38	0.153	frozen individually in vial	Y	YOY	UN	-
1889	Dec. 17/2010	Baker Creek Reach 6	Cisco	296	400	frozen whole	UN	UN	UN	-
1890	Dec. 17/2010	Baker Creek Reach 6	Hybrid whitefish and cisco	430	1300.0	frozen whole	UN	UN	UN	-
1891	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	221	126.0	frozen whole	UN	UN	UN	-
1892	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	218	132.0	frozen whole	UN	UN	UN	-
1893	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	336	700.0	frozen whole	UN	UN	UN	-
1894	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	215	118.0	frozen whole	UN	UN	UN	-
1895	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	216	123.0	frozen whole	UN	UN	UN	-
1896	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	464	1650.0	frozen whole	A	UN	UN	-
1897	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	357	850.0	frozen whole	A	UN	UN	-
1898	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	428	1200.0	frozen whole	A	UN	UN	-
1899	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	393	1000.0	frozen whole	A	UN	UN	-
1900	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	353	700.0	frozen whole	A	UN	UN	-
1901	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	394	1000.0	frozen whole	A	UN	UN	-
1902	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	328	600.0	frozen whole	A	UN	UN	-
1903	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	432	1250.0	frozen whole	A	UN	UN	-
1904	Dec. 17/2010	Baker Creek Reach 6	Lake Whitefish	332	600.0	frozen whole	A	UN	UN	-

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010 Table A5

List of Fish Collected and Archived for Metals Analysis from Baker Creek, 2010 ^B

Fish Number*	Date	Location	Species	Fork length (mm)	Weight (g)	Archive status	Life Stage	Maturity Code	Sex	Carcass Wt (g)
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^A: Fish with weight weighed to four decimal places were weighed on a high precision laboratory scale.

^B: Excludes slimy sculpin frozen and archived during Giant Mine Environmental Effects Monitoring Program on Baker Creek and the Yellowknife River.
Excludes coregonid spp archived for indentionation.

mm= millimeter; g= gram; A= adult;J= juvenile;UN= unknown;YOY=Young-of-the-year

* Corresponds to fish number in Table A2

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A6

Summary of Snorkel Observations in Baker Creek, Spring and Early Summer 2010

Date	Reach	Species observed	number obs	comment
June 2/2010	2	ARGR	1	-
June 2/2010	2	LNSC	2	-
June 2/2010	1	ARGR	3	-
June 2/2010	1	WHSC	4	-
June 2/2010	1	LKWH	1	-
June 2/2010	1	LNSC	50	-
June 2/2010	1	NRPK	7	-
June 2/2010	0	WHSC	5	-
June 2/2010	0	LNSC	30	-
June 2/2010	0	NRPK	3	-
June 2/2010	0	SPSH	~100	-
June 2/2010	0	EMSH	~100	-
June 2/2010	0	NNST	~12	-
June 2/2010	0	Sucker sp.	~6	juvenile Age 1+. Also found dead juvenile burbot.
June 3/2010	6	NRPK	7	-
June 3/2010	6	ARGR	~36	YOY
June 3/2010	5	ARGR	>100	YOY
June 3/2010	4	ARGR	thousands	YOY
June 3/2010	3	ARGR	<50	YOY
June 3/2010	3	NRPK	1	-
June 3/2010	2	none	0	-
June 3/2010	1	NSSB	<20	-
June 3/2010	1	NRPK	1	-
June 3/2010	0	Shiner sp.	~20	-
June 10/2010	5	ARGR	hundreds	YOY
June 10/2010	4	ARGR	hundreds +	YOY
June 10/2010	3	NRPK	1	-
June 10/2010		ARGR	dozens	YOY
June 10/2010	2	none	0	-
June 10/2010	1	NRPK	1	-
June 10/2010	1	NSSB	less than 12	-
June 10/2010	0	Minnows	~20	unidentified cyprinids
June 18/2010	0	NRPK	3	-
June 18/2010	0	ARGR	~12	YOY

Note: Snorkelling discontinued by late June prior to discharge of treated effluent into Baker Creek.

Species codes:

ARGR = arctic grayling

EMSH = emerald shiner

SLSC = slimy sculpin

LKWH = lake whitefish

CISC = cisco

NRPK = northern pike

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A6

Summary of Snorkel Observations in Baker Creek, Spring and Early Summer 2010

Date	Reach	Species observed	number obs	comment
May 19/2010	0	LNSC	14	-
May 19/2010	0	WHSC	4	-
May 19/2010	0	LKWH	6	-
May 19/2010	5	ARGR	2	-
May 19/2010	0	ARGR	2	-
May 19/2010	4	ARGR	17	-
May 19/2010	4	NRPK	1	-
May 19/2010	4	LNSC	2	-
May 19/2010	3	ARGR	11	-
May 19/2010	3	LNSC	3	-
May 19/2010	2	ARGR	8	-
May 19/2010	2	LNSC	25	-
May 19/2010	1	ARGR	6	-
May 19/2010	1	LNSC	48	-
May 19/2010	1	WHSC	4	-
May 19/2010	1	NRPK	7	-
May 19/2010	0	ARGR	2	-
May 19/2010	0	LNSC	14	-
May 19/2010	0	WHSC	4	-
May 19/2010	0	NRPK	6	-
May 19/2010	0	LKWF	6	-
May 25/2010	6	NRPK	1	In stream section below falls
May 25/2010	6	ARGR	2	In stream section below falls
May 25/2010	6	LNSC	1	In stream section below falls
May 25/2010	6	NRPK	2	in pond section of Reach 6
May 25/2010	5	ARGR	8	-
May 26/2010	1	ARGR	10	-
May 26/2010	1	LNSC	55	-
May 26/2010	1	WHSC	10	-
May 26/2010	1	NRPK	4	-
May 26/2010	0	LKWF	8	-
May 26/2010	0	WHSC	2	-
June 1/2010	4	ARGR	13	Many YOY recently emerged and holding along shore
June 2/2010	5	ARGR	5	-
June 2/2010	4	ARGR	8	Many YOY recently emerged and holding in pool and all the way to downstream end of Reach 4
June 2/2010	4	LNSC	1	And 3 Age 1+ sucker species also seen
June 2/2010	4	NRPK	2	-
June 2/2010	3	ARGR	5	-

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A6

Summary of Snorkel Observations in Baker Creek, Spring and Early Summer 2010

Date	Reach	Species observed	number obs	comment
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Sucker spp = unknown sucker species

NNST – ninespine stickleback

LNSC = Longnose sucker WHSC = white sucker

SPSH = spottail shiner

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A7

Summary of Shoreline Observations of Lower Baker Creek, 2010.

Date	Reach	Species observed	Number observed	Comment
May 13/2010	5	ARGR	3	Exhibit Pre-spawn behaviour
May 13/2010	4	ARGR	14	Exhibit Pre-spawn behaviour
June 2/2010	0	BURB	1	Found dead
June 4/2010	1+0	several	>100	YOY suckers begin emergence, some YOY ARGR seen below Reach 1 culvert. Adult ARGR absent except in Reach 1. LKWH seen feeding in upper reach 0
June 5/2010	1+0	several	>100	YOY suckers begin emergence, some YOY ARGR seen below reach 1 culvert.
June 8/2010	0	NRPK	8	-
June 15/2010	3	ARGR	~20	YOY
June 16/2010	5	none	0	-
June 16/2010	4	ARGR	~50	YOY
June 24/2010	0	Suckers sp.	thousands	YOY; estimated value
July 5/2010	4	NRPK	1	-
July 5/2010	3	none	0	-
July 5/2010	2	none	0	-
July 5/2010	1	none	0	-
July 5/2010	0	NRPK	4	YOY
July 5/2010	0	NRPK	1	-
July 28/2010	5	NRPK	3	-
July 28/2010	6	Suckers sp.	5	-
Sept. 22/2010	1	SLSC	1	-
Sept. 22/2010	2	SLSC	1	-
Sept. 22/2010	4	SLSC	1	-
Sept. 22/2010	5	NRPK	15	-
Oct. 5/2010	6	NRPK	1	-

Note: Species codes as follows

ARGR = arctic grayling

NRPK = northern pike

Sucker spp = unknown sucker species

BURB = Burbot

LKWH = Lake whitefish

Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Table A8

Supporting water quality measurements of Lower Baker Creek, 2010.

Date	Reach	YSI reading
May 4/ 2010	4	4.25 °C
		83 uS/cm
		13.53 DO mg/l
		7.9 pH
May 4/ 2010	2	3.94 °C
		83 uS/cm
		13.58 DO mg/l
		7.34 pH
May 4/ 2010	1	3.85 °C
		85 uS/cm
		13.53 DO mg/l
		7.31 pH
May 4/ 2010	0	3.93 °C
		85 uS/cm
		13.42 DO mg/l
		7.26 pH
June 1/2010	5	18.6 °C
		1710 uS/cm
		7.92 DO mg/l
		7.21 pH
July 22/2010	4	21.11 °C
		1786 uS/cm
		7.74 DO mg/l
		7.40 pH
July 22/2010	5	22.61 °C
		1725 uS/cm
		8.68 DO mg/l
		7.47 pH
July 28/2010	5	23.20 °C
		2179 uS/cm
		7.82 DO mg/l
		5.89 pH
July 28/2010	6	23.58 °C
		133 uS/cm
		7.87 DO mg/l
		7.02 pH
July 28/ 2010	1	23.31 °C
		2048 uS/cm
		9.52 DO mg/l
		7.33 pH

Notes: DO = dissolved oxygen, mg/L = milligrams per litre, µS/cm = micro Siemens per centimetre, °C = degrees Celsius

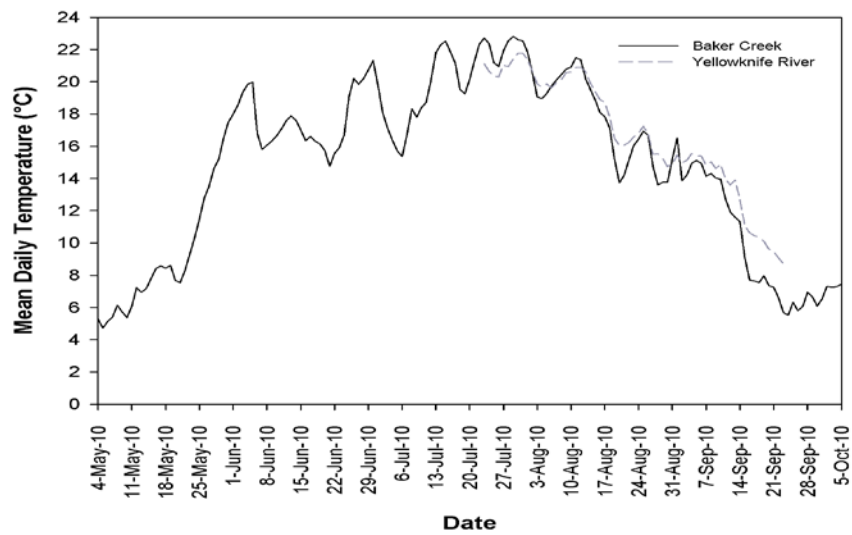
Shaded cells are values that are under review and are not final; likely due to field equipment error due to interference from sulphate with pr

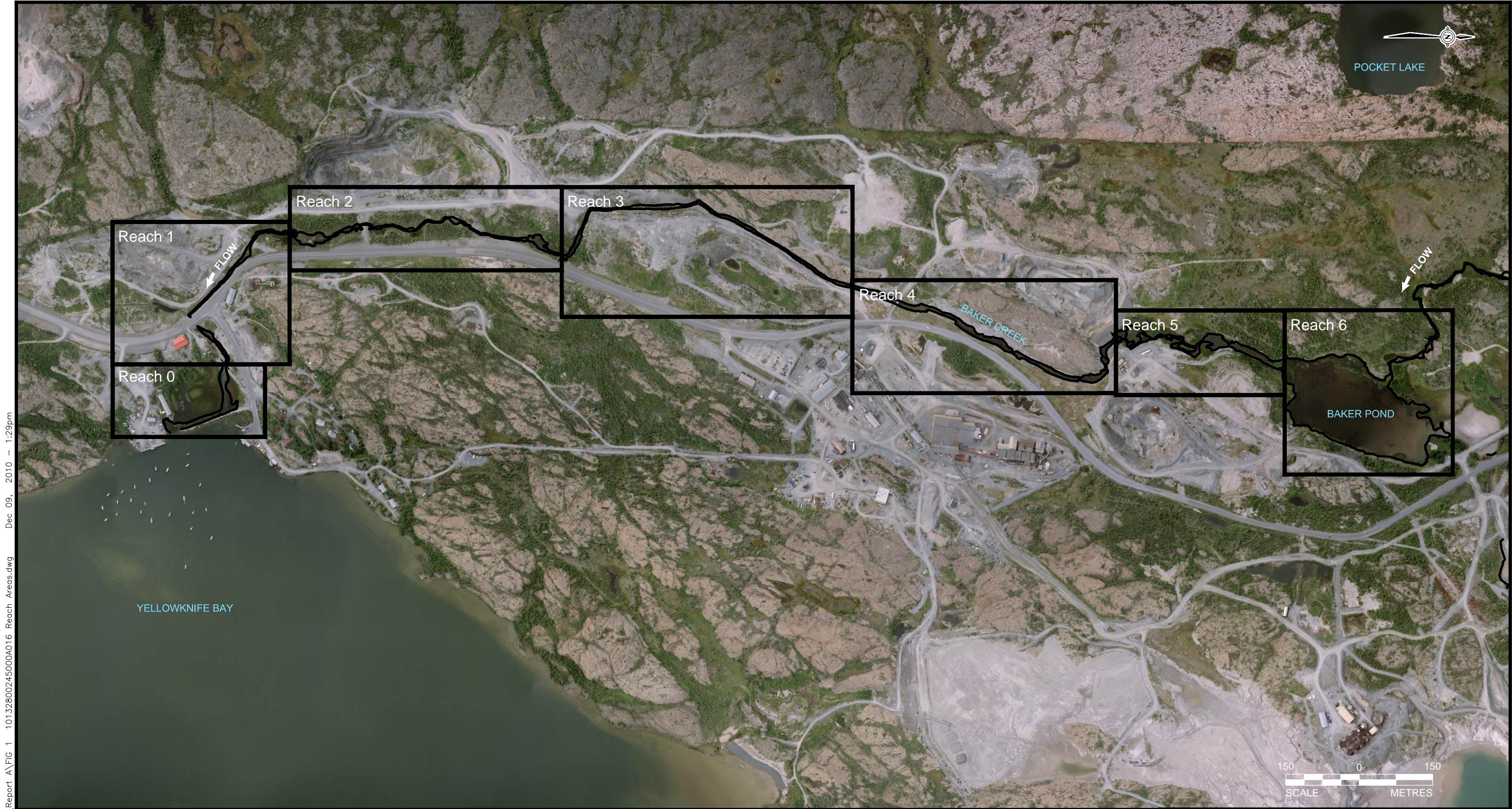
Appendix A

Raw Data from Baker Creek Seasonal Fish Use Project, 2010

Plot A1

Mean Daily Temperatures in Baker Creek and the Yellowknife River,
May 4 to October 5, 2010






L:\2010\1328\10-1328-0024\5000\Report A\FIG 1 10132800245000A016 Reach Areas.dwg Dec 09, 2010 — 1:29pm

DRAFT

NOTES
1. MINE PLAN INFORMATION PROVIDED BY AECOM, GIANT MINE REMEDIATION PROJECT COORDINATES (GMRP)
2. ORTHOPHOTO - MR. SID FILE, PROVENANCE UNKNOWN, GMRP COORDINATES, FILE DATE NOV. 24, 2009

PROJECT		INAC BAKER CREEK REMEDATION PROJECT			
TITLE		INDEX MAP FOR REACHES 1 - 6			
	PROJECT	10.1328.0024.5000		FILE No. 10132800245000A016	
	DESIGN	HM	29/10/10	SCALE	AS SHOWN
	CADD	DLM	09/12/10	REV.	0
	CHECK			FIGURE: 1	
	REVIEW				