2008

AQUATIC LIFE SAMPLING AND TESTING PROGRAM FOR THE ANVIL RANGE MINE SITE, ROSE AND VANGORDA CREEK WATERSHEDS, FARO, YUKON

TO MEET THE REQUIREMENTS OF WATER LICENSE QZ03-059

Conducted: During August, 2008

Prepared for Delloite and Touche Inc.

December, 2008

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1.0 Introduction

The following report details the results of the fifth consecutive year of field investigations conducted under the *Aquatic Life Sampling and Testing Program* for the Anvil Range Mine Site at Faro, Yukon, as required under water license QZ03-059. Field investigations for this project were conducted during August, 2008 under the authority of License No. 08-12, Department of Fisheries and Oceans, Canada.

The primary goal of these investigations has been to annually sample watersheds potentially affected by the Faro and Vangorda Plateau mine sites. Specific sites within the Rose and Vangorda Creek watersheds have been investigated since 2004 to track the presence, relative abundance and condition of fish. From each sampling site, flesh samples from slimy sculpin (*Cottus cognatus*) and Arctic grayling (*Thymallus arcticus*) have been taken and analyzed to determine the level of metals in fish tissue.

This investigation also continued the collection of quality data on fish habitats and fish utilization for use in long term monitoring. The sampling methodology used in 2008 was consistent with that used in previous investigations to allow comparison between annual data sets.

2.0 Study Area

Investigations were conducted within the Rose and Vangorda Creek watersheds in potentially affected waters as well as on control (unaffected) sites on Anvil and Blind Creeks. Sample sites for the 2008 investigation were all previously established sites with exception of Site V8 which was expanded to include a reach of Vangorda Creek 300 meters downstream of the original sample location and a secondary site on Blind Creek to allow for the collection of slimy sculpin samples for metal analysis. The following sites were sampled during the investigation:

Sample sites associated with Rose Creek (Figure 1):

R1 South Fork of Rose Creek immediately upstream of the confluence of North and South Fork of Rose Creek;

R2 The mixing zone downstream of the intersection of Rose Creek and the tailings pond discharge channel;

R4 Rose Creek just upstream of the confluence with Anvil Creek; and

R6A Anvil Creek upstream of the confluence with Rose Creek (control site), this site has been referred to as site R8 in previous reports.

Sampling sites associated with Vangorda Creek (Figure 2):

V8 Lower Vangorda Creek below the town of Faro access road; and an additional reach 300 meters downstream of the main site, and

B1 Blind Creek near the lower bridge (control site), and new in 2008, an additional site upstream of the original site, at the second bridge.

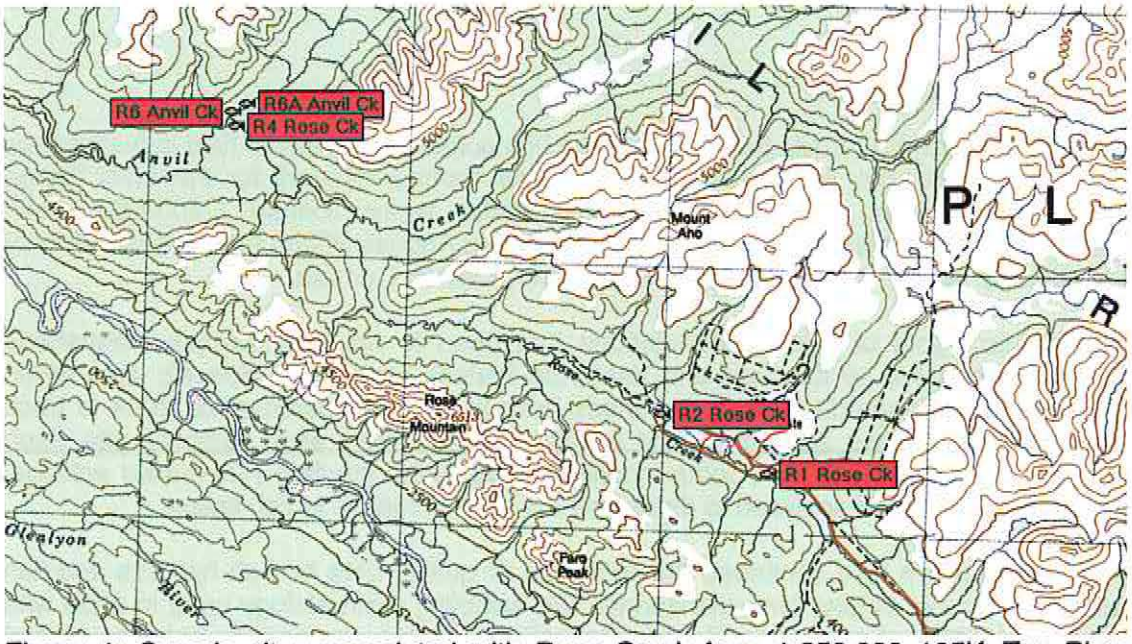

Figure 1: Sample sites associated with Rose Creek from 1:250,000 105K *Tay River* topographic map.

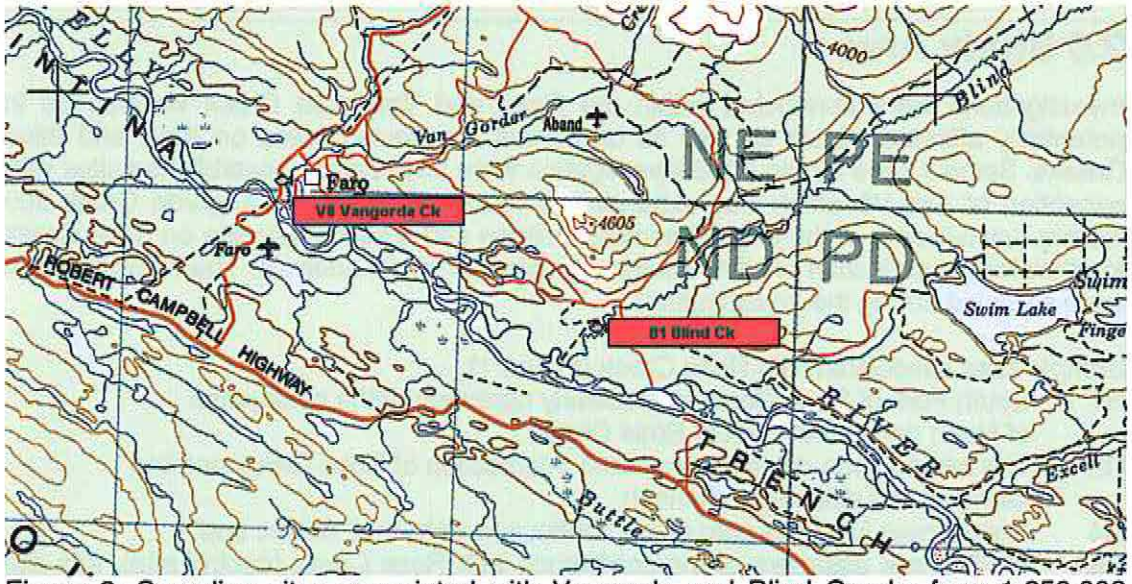

Figure 2: Sampling sites associated with Vangorda and Blind Creeks from 1:250,000 105K, Tay River topographic map.

3.0 Methods

Field investigations were conducted between August 15 and 20, 2008 when water levels were stable and fish distribution was at its seasonal peak. This timing corresponds with previous investigations which were also conducted during mid August.

Each site sampled corresponded to the locations sampled during previous years. The only sites altered from past investigations were Vangorda and Blind Creeks. On Vangorda the secondary sample site 300 meters downstream of the existing sample reach that was further extended from 2007 to include the final run before the Pelly River,

for the collection of slimy sculpin and Arctic grayling for metal analysis of fish flesh. On Blind Creek a second site upstream of the first bridge at a second bridge was sampled extensively with minnow traps to enhance sculpin collections for metal samples. The two sample sites near the confluence of Rose and Anvil Creeks were accessed with a helicopter; all other sample sites were accessed by road.

The general description of fish habitat compiled in past years was re-evaluated at each site, including; flow parameters consisting of velocities (floating object method), depth, wetted and channel width, substrates, channel configuration, bank stability, water temperature, riparian vegetation and an assessment of available fish cover. Photographs representative of each site were taken.

The principle fish collection technique used was electro-fishing. Secondary techniques included minnow trapping, angling, and beach seining. Crew members wore polarized glasses at all times to enhance fish viewing abilities and all visual observations of fish were recorded.

Electro-fishing was conducted with a Smith-Route POW type 12A battery powered, back pack electro-fisher. The electro-fisher operator was accompanied by a crew member with a dip net. Each site was investigated using a single pass technique with sampling effort similar to that of previous years. Each site was sampled by moving in an upstream direction and sweeping from side to side through each reach; all shoreline areas were fished and attempts at covering all mid-stream habitats were made. Electro-fishing results have been calculated as the number of fish recorded per 100 seconds of shock time to allow comparison between sites and different years.

Minnow trapping was conducted with "Gee type" minnow traps (¼" mesh). Traps were baited with salmon roe (Yukon River origin) suspended in the trap in a perforated plastic bag, and were set in a variety of habitat types at each site. Traps were set for an overnight period and the results have been expressed as number of fish captured per site per 24 hour period. Minnow trapping at sites R4 and R6a was not conducted during 2008 due to helicopter access constraints.

Beach seining was only conducted to collect metal analysis specimens from Vangorda and Blind Creeks. Catch per unit effort from seining was not calculated as the effectiveness of seine pulls varied due to such factors as shoreline configuration, bottom substrates, water depth and velocity. Area seined and seine catches were recorded in a field note book.

Angling was conducted with light spin casting gear and a variety of small lures and dry flies. Effort was recorded as minutes fished and all fish captured or observed were recorded. Effort was extended until a sample of five Arctic grayling for metal analysis was collected.

All fish captured, other than those taken for metal samples were handled delicately to allow for live release after sampling. Anaesthetics were not used. All fish captured or observed were identified as to species and general life stage (fry, juvenile, sub-adult, adult), a sub-sample was measured for fork length (±1 mm) and then released unharmed as near as possible to the location from which they were sampled. All fish captured or observed were recorded into a field book and the information was later entered into an excel data base.

3.1 Metal Sample Collection and Analysis

Fish samples for metal content analysis were collected during the course of general field assessments. A maximum of 5 Arctic grayling and 5 slimy sculpins samples were collected from each site for analysis of metals in tissue. Extra seine and minnow trap effort was conducted at Blind Creek to procure slimy sculpin samples and additional electro-fishing effort was conducted on Vangorda Creek to collect slimy sculpins.

Arctic Grayling with a fork length >200 mm and slimy sculpins 80 mm or longer were selected for tissue sampling when possible. At sites where less than 5 sculpins over 80 mm in length were caught, a composite sample of 2 or more individual sculpins was utilized.

Specimens collected for metal sample analysis were placed into labeled zip loc baggies immediately after capture. The collected specimens were sampled later in a controlled environment. For sacrificed Arctic grayling, internal and external observations of fish health, sex and maturity, diet, fork length and round weight was recorded. From each grayling a tissue sample weighing approximately 50 grams was taken from the caudal area and placed in separate labeled bags and then frozen. Stomach contents were analyzed at the time of sampling. Sample data and stomach content analysis from Arctic grayling was entered to an excel data base format at the completion of the field season.

For slimy sculpins sacrificed, the total length and round weight for each specimen was recorded, including the individuals from composite samples. Each sculpin sample was bagged and labeled separately; each composite sample was bagged and labeled as a single sample, the samples were then frozen.

The frozen tissue samples were submitted to Bodycote Labs (formerly Norwest Labs) for metals analysis. Metal analysis included microwave acid digest for ICP metals and metals semi trace in tissue. The metal results were expressed as ug/gram. The lab technique used to analyze the 2008 samples was the same as for the previous three years. The sample technique used in 2004 was updated in 2005 and has remained consistent since.

4.0 2007 Results

The sample sites showed little physical variation from conditions observed in previous years and fish habitats remained stable at most sample locations. The exception was Vangorda Creek; site V8 where an active bedrock slump may have affected the water quality. In general, water levels during 2008 were slightly above the average recorded however still less than in 2005, when the highest flows were observed. An updated general description of fish habitats and a representative photo for each site has been presented in Appendix 1.

Fish distribution and habitat utilization varied slightly between each site; most sites had consistent speciation with previous years. The most notable change was during the 2008 investigations juvenile chinook salmon (jcs) were much less common at Blind Creek and Vangorda Creek than in previous years, a single jcs was captured at R4 and jcs were absent from all other sites. This was expected as the number of adult chinook in the Yukon system was low during 2007. The number and size of slimy sculpin at site R1 continues to decrease, likely a function of the displaced sculpin in the system after the dewatering of the freshwater reservoir basin in 2004.

Arctic grayling adults were present at all sites. At site R2 grayling were again dispersed, though less difficult to catch than in 2006. At site R6A grayling were abundant and easier to catch than in 2006. Slimy sculpin were uncommon and difficult to capture at Blind Creek, were uncommon at site V8, and common and easily captured at the other sites.

A summary of electro-fishing results for all species for 2008 has been presented in Table 1. A summary of minnow trapping results has been presented in Table 2 with a complete listing of all minnow trapping results for 2008 presented in Appendix 4. Angling data have been presented in Table 3.

A complete set of 5 Arctic grayling were taken for metal analysis from each site. Lengths ranged from 213 to 375 mm. A complete listing of sample information for specimens collected has been presented in Appendix 3.

Stomach content analysis from all Arctic grayling sampled in 2008 indicates that Trichoptera (Caddis fly) continues to be the primary food source for Arctic grayling at all sites at this time of year, including Blind Creek for the first time where salmon roe was the most common diet item in years past. Terrestrial insects, including ants, spiders, beetles, unidentified insects and flies, together accounted for significant component of the diet. Salmon eggs were observed in Grayling stomachs from Blind Creek and at R1. This marks the second time salmon eggs have been recorded at R1, the first being in 2005 and indicates that either adult salmon spawn nearby or the grayling travel a significant distance in short periods of time. Other food items included snails, caterpillars, rose hips, bastard toad flax seeds and larvae. As in 2006 and 2007, bees and wasps were noticeably absent from the 2008 diet.

Sample information for Arctic grayling stomach content analysis has been presented in Appendix 3 in conjunction with all other sample information for the fish sacrificed for metal sample analysis.

Slimy sculpin taken for metals analysis ranged in length from 55 to 102 mm. The weights of the sculpin samples ranged from 1.8 to 13.2 grams. A total of 13 whole fish samples and 17 composite samples were taken. Unlike previous years composite samples came from R1, R4 and R6a as well as Vangorda and Blind Creeks. Data for slimy sculpin samples has been presented in Appendix 3.

No unusual spikes or anomalies in metal concentrations in fish flesh were noted in 2007 data other than a slight increase in zinc at site V8. A complete discussion of metal concentrations in fish tissue has been presented in the discussion of multi year results (page 12).

4.1 Site Summary: R1 Rose Creek

4.1.a Fish Habitat and Utilization

Site R1 consists of a narrow, boulder strewn riffle/rapid with limited habitats. The habitats are small for large fish and the current flows fast for small fish. Cover consists of occasional cut banks and eddies behind boulders. Because of the limited Arctic grayling habitat a reach that extends for a distance of 800 meters upstream of the sample site is used for capturing grayling.

Electro-fishing at R1 consisted of 836 seconds of effort and was conducted through the 100 meter sample reach. Fish recorded by electro-fishing consisted of 21 slimy sculpin adults and 2 slimy sculpin fry (Table 1).

Minnow trapping at site R1 consisted of 9 traps set for an average soak time of 19.2 hours each. No fish were caught (Table 2).

Angling effort at site R1 for 310 minutes produced a catch of 8 Arctic grayling (Table 3). Grayling were dispersed in the study area as habitat for larger grayling remains limited.

4.1.b Metal Samples

Samples taken for metal analysis included; 5 Arctic grayling (3 immature females and 2 mature males), 3 single adult slimy sculpin and 2 composites of 2 sculpin.

The Arctic grayling samples ranged in length from 291 to 341 mm, and in weight from 254 to 419 gms. The samples were of a similar size those taken from this site in previous years. Stomachs were 80% full and the contents consisted of 62.5% caddis fly, 30% unidentified terrestrial insects, and 2.5% ants.

The sculpin samples were considerably smaller than in previous years and consisted of 3 whole fish samples and 2 composites of 2 individuals .The sculpins ranged in length from 61 to 93 mm and in weight from 2.6 to 9.9 gms.

4.2 Site Summary: R2 Rose Creek

4.2.a Fish Habitat and Utilization

This site provides a wide variety of stable habitats, including riffles, rapids, glide areas and deep corner and side pools.

Electro-fishing at R2 consisted of 827 seconds of effort and was conducted through the 100 meter sample reach. Fish recorded by electro-fishing consisted of 35 slimy sculpin adults' 1 burbot juvenile, 2 juvenile and one fry Arctic grayling (Table 1). This site has annually shown a consistent decline in the number of sculpin fry recorded since 2004. This year marks the first year that zero sculpin fry were recorded.

Minnow trapping at site R2 consisted of 9 traps set for an average soak time of 29.6 hours each. The total catch from the minnow trapping consisted of 1 adult slimy sculpin, 1 juvenile Arctic grayling and 1 burbot (Table 2). The minnow traps set at R2 were all set downstream of the confluence of the tailings pond channel with Rose Creek.

Angling for 190 minutes downstream of the tailings pond channel captured 7 Arctic grayling (Table 3). There were few grayling observed along the reach and they were well dispersed.

4.2.b Metal Samples

Samples taken for metal analysis consisted of 5 single slimy sculpin adults and 5 adult Arctic grayling.

The Arctic grayling samples ranged in length from 306 to 364 mm, and in weight from 330 to 480 gms. The samples consisted of 2 mature females, 1 immature female and 2 mature male. The stomachs were 95% full and the contents consisted of 73.7 caddis fly, 21.1 terrestrial insects, 4.2 % ants and 1% red worm.

The five individual sculpin samples ranged in length from 91 to 102 mm and in weight from 8.1 to 13.2 gms.

4.3 Site Summary: R4 Rose Creek

4.3.a Fish Habitat and Utilization

Electro-fishing was conducted through all areas of the 110 meter reach and 950 seconds of effort recorded a total of 35 slimy sculpin adults, and 1 juvenile chinook salmon (Tables 1).

Minnow trapping was not conducted at R4 during the 2008 field investigation due to the lack of available helicopters.

Angling for 90 minutes captured 17 adult Arctic grayling (Table 3), 12 juveniles and sub adults were released.

4.3.b Metal Samples

A complete sample of 5 Arctic grayling adults were taken from R4. The grayling ranged in length from 285 to 337 mm, in weight from 233 to 417 gms and consisted of 2 mature females, 1 immature female, 1 mature male and 1 immature male. The Arctic grayling stomachs were 55% full and contents consisted of 74.5% caddis fly, 21.8% terrestrial insects, and 3.6% benthic.

The slimy sculpin samples consisted of 3 whole fish samples and 2 composite. The sculpin samples ranged in length from 65 to 89 mm and in weight from 3.2 to 7.2 gms.

4.4 Site Summary: R6a Anvil Creek

4.4.a Fish Habitat and Utilization

Flows in Anvil Creek during 2008 were slightly lower than in the past 2 years. The site has a good variety of habitats including a fast moving thalwag and a deep corner pool. Fishing effort was limited in the main channel and was focused on the shore areas and the pool.

Electro-fishing was conducted along the shoreline areas of both banks and in the shallow side flow on the right bank and covered similar areas to the 2006 and 2007 investigations. A total of 1,050 seconds of effort recorded 55 adult slimy sculpin (Table 1). This catch was almost identical to that of 2007 with the exception of a burbot caught in 2007 and none in 2008.

Minnow trapping was not conducted at R6a during the 2008 field investigation due to the lack of available helicopters.

A total of 90 minutes of angling effort captured 14 adult Arctic grayling, five were taken for metal samples and 7 sub adults were released (Table 3).

4.4.b Metal Samples

Arctic grayling samples taken for metal analysis at site R6a consisted of 3 mature females and 2 mature males, and ranged in length from 285 to 351 mm, and weight from 245 to 509 gms. Stomachs were 90% full and contents consisted of 87% caddis fly, 7.8% terrestrial insects, and 5.5 % benthic.

Slimy sculpin samples consisted of 2 individual and 3 composite samples ranging in length from 86 to 108 mm and in weight from 7.0 to 11.6 grams.

4.5 Site Summary: V8 Vangorda Creek

4.5.a Fish Habitat and Utilization

The study reach of Vangorda Creek varies from year to year in the amount of turbidity caused by sloughing side banks; During 2008 the water was clearer than during any of the other study years, however a rock face at the upstream end of the reach had collapsed. This rock is highly mineralized and may have affected water quality in the area. A slight increase in pH was detected between the water upstream of the slide and downstream of the slide. A reach 180 meters downstream of the study reach was used for the collection of slimy sculpin and Arctic grayling for metal analysis.

Electro-fishing was conducted for a total of 731 seconds through the entire 120 meter reach (Table 1). Fish recorded included 2 slimy sculpin adults, 5 juvenile chinook, 2 sub-adult Arctic grayling and 1 sub adult burbot and 2 adult round whitefish. Additional electro fishing for 280 seconds covering 140 meters downstream of the bridge was extended to capture slimy sculpin for metal samples.

Minnow trapping at site V8 consisted of 9 traps set for an average soak time of 20.4 hours each. The total catch from the minnow trapping consisted of 5 jcs, representing a continued significant decrease in abundance (Table 2).

Angling on Vangorda Creek was successful in the lower reach of the creek were the velocity decreases and pools become larger and deeper. A total of 80 minutes of angling effort captured 6 grayling (Table 3).

4.5.b Metal Samples

Arctic grayling samples taken at site V8 consisted of 2 mature females and 3 mature males. They ranged in length from 286 to 322 mm and in weight from 219 to 324 gms. Stomachs were 60% full and contents consisted of 63% caddis fly 23% unidentified terrestrial insects, 5% ants and 8% beetles.

Slimy sculpin samples consisted of 5 composite samples. The sculpin samples ranged in length from 57 to 69 mm, and in weight from 2.0 to 4.0 gms. This sculpin sample represents the most complete sample obtained during the 5 years of study and was a result of extending the sampling area.

4.6 Site Summary: B1

4.6.a Fish Habitat and Utilization

The Blind Creek sample reach is a much large Creek than the other sites and has a good variety of slow to fast moving habitats.

Electro-fishing was not and has not been conducted on Blind Creek at the request of the Department of Fisheries and Oceans due to the presence of spawning adult chinook salmon. A chinook salmon enumeration weir located 50 meters downstream of the bridge was removed shortly before the time of sampling. Adult salmon were observed below the bridge and active redds were within the study area. This year only 248 adult salmon were counted at the weir, the lowest number recorded.

Arctic grayling were in groups throughout the study area, with most aggregated in deep pools near the active redds. Slimy sculpin were uncommon even near salmon redds.

Extra minnow traps for the capture of slimy sculpin for metal samples were set as in previous years although an extra set was set 2 kms upstream at the site of a second bridge to determine if a more suitable location was available, the extra traps did not catch any sculpins. A total of 18 minnow traps were set in the sample reach for an average soak time of 16 hours each (Table 2). The catch consisted of 2 slimy sculpin, 160 jcs (0+) and 11 jcs (1+). This catch of jcs is half of last years.

Seining effort was exerted on Blind Creek to procure a suitable sample of slimy sculpin for metal analysis. Seining effort was conducted downstream of the bridge. A total of 5 seine pulls were made, the catch consisted of 21 small adult and 3 fry, slimy sculpins, 184 jcs, 11 jcs 1+, 4 juvenile round whitefish, 15 sub adult and 9 juvenile Arctic grayling.

Angling effort at Blind Creek, both upstream and downstream of the bridge for 160 minutes captured 9 Arctic grayling adults (Table 3). Grayling were not as abundant as in previous years and it was thought they may have been concentrated further upstream were more salmon redds are located.

4.6.b Metal Samples

A complete set of 5 Arctic grayling samples were taken for metals analysis, they ranged in length from 272 to 342mm, and in weight from 204 to 396 gms. The sample consisted of 3 mature females and 2 mature males. Stomachs were 65% full and the contents consisted of 51% caddis fly, 23% salmon eggs, 15% slimy sculpin and 3% terrestrial insects.

Five composite sculpin samples were taken and the individual fish ranged in length from 55 to 71 mm and in weight from 1.8 to 4.2 gms.

Concentrations of metals in fish flesh from Blind Creek remained lower for most metals than in fish from the other sites investigated, although similar to site R8, and were lower than in previous years (Tables 5 and 6).

Table 1: Summary of electro-fishing results for all sites sampled during August of 2008,.

Sample Site	Date Sampled	Sample Effort (seconds)	Sample Effort (area)	Arctic Grayling	Slimy Sculpin	Burbot	Juvenile chinook salmon	Round W.fish
R1	Aug. 17	836	100 m	0	21 ad 2 fry	0	0	0
R2	Aug. 17	827	100 m.	2 juv. 1 fry	35 ad	1	0	0
R4	Aug. 19	950	110 m.	0	35 ad	0	1	0
R8	Aug. 19	1,050	120 m.	0	55 ad	0	0	0
V8	Aug. 18	731	120 m.	2 s ad	0	1 s ad	5 juv	2 s ad

Summary of abbreviations: ad= adult, juv.= juvenile, sub. ad.= sub adult Round W. fish= round whitefish

Table 2: Summary of minnow trapping results for all sites sampled during Faro Aquatics program, August 2008. The number presented equals the total number of fish captured in all traps at each site.

Sample Site	No. of traps	Average soak time (hrs)	Arctic Grayling	Slimy Sculpin	Burbot	Juvenile chinook salmon	Juv. Ch. Salmon +1
R1	9	18.50	0	0	0	0	0
R2	9	15.50	0	0	0	0	0
R4	9	23.43	1	12	0	0	0
R6a	9	21.46	0	2	0	0	0
V8	13	17.42	0	0	0	285	0
B1	14	21.29	0	1	0	222	38

Table 3: Summary of angling results for all sites sampled during Faro Aquatics program, August 2008

Sample Site	Angling Effort (minutes)	Catch (Number of Arctic Grayling)
R1	90	9
R2	110	5
R4	40	12
R6a	40	12
B1	60	12

5.0 Discussion of Multi-Year Results

5.1 Metal Concentration in Fish Tissue

Concentrations of metal in the tissue of Arctic grayling have been plotted for copper, lead, manganese and zinc; and for slimy sculpin for cadmium, copper, manganese and zinc for all years between 2004 and 2008 (See figures 10 through 17). Broken graph lines for grayling indicate missing data from R2 for 2005 and for sculpin missing data from V8 for 2006.

In Arctic grayling, zinc, manganese and cadmium concentrations peaked in 2005 at all sites (including control sites), and declined toward a minimum (again at all sites) in 2007. In 2008 copper cadmium and magnesium remained at a consistent level with 2007, zinc levels at all sites showed a slight increase. At site R4, levels of manganese and cadmium in particular spiked strongly in 2005, before falling back to the low levels recorded at other sites for 2006, 2007 and 2007.

In slimy sculpin, any trends that can be discerned are more specific to a given metal than is the case in grayling. With regard to copper, concentrations in fish taken both from control and mine-affected sites rose slightly during 2004-2005 and fell in 2006, before rising more slightly again in 2007 and continuing to rise in 2008.

The only significant spikes in slimy sculpin are lead in 2005 (all sites, but especially R2) and manganese in 2007 at R2 and R4. Lead levels have remained steady since 2006; however manganese at R2 dropped during 2008 but increased at R2 and R4. Given the

spatial relationship between these two sites and discharge waters from the tailings reservoir, metal levels from these two sites should be the subject of particular attention in future years, especially as this pattern was not mirrored in control sites.

Zinc levels in sculpin remained steady at most sites but did show an increase at V8 during 2008. This may be a function of the active bedrock bank slump at the upstream end of the sample reach.

5.2 Fish Utilization

Comparisons of fish utilization recorded over the past four years has been graphed and presented as table 4 and figures 3 through 9. Dramatic variations such as those noted for jcs likely reflect an accurate shift in numbers of the species in the area for each year. Low returns of adult salmon in 2007 produced small recruitment for the 2008 season; a similar decline is anticipated for 2009. Small variations in occurrence of other species may be a function of sampling conditions and food distribution.

A single juvenile chinook salmon (jcs) was captured a R4 during 2008; jcs were not recorded in the Rose/ Anvil drainage during 2007. Jcs were captured however at B1 and V8, as in previous years though numbers since 2004 have shown a continued and marked decline to 2006. This pattern of chinook utilization corresponds with escapement numbers for adult chinook salmon from the year proceeding each year of capture. Low numbers of jcs in Vangorda Creek are likely due to a combination of factors; the low numbers of salmon in the area and a potential avoidance of the creek as it has had a deposit of mineralized rock slide into the creek a short distance from the Yukon River and at the top of the sample reach.

Both Arctic grayling and burbot were more common in 2004 at site R1 than in any other year, the numbers of both species have steadily declined over the subsequent four years. Large numbers of burbot and grayling were removed from the freshwater reservoir basin at the time of dewatering and it is not unlikely that remnant populations remained in the creek after dewatering and have slowly reduced in number since. A similar reduction in slimy sculpin has also been noted although the decline has not been so much in number as in size of the fish. The size of sculpins in R1 has continually decreased since 2006.

Slimy sculpin numbers from site R4 have dropped to levels noted prior to 2007 where they had increased during the previous 4 years and have remained relatively stable at each of the other sites.

Table 4: Summary of multi-year electro-fishing results for investigations conducted during August of, 2004, 2005, 2006, 2007 and 2008. Catches have been expressed as the number of fish recorded per 100 seconds shocking time.

SITE	YEAR	grayling sub ad. & adult	grayling juvenile	sculpin adult	sculpin fry	Burbot	C.salmon juvenile	R.whitefish
R1	2004	0.36	1.80	3.47	0	0.24	0.36	0.12
	2005	0	1.53	4.83	0	0.24	0	0
	2006	0	0	1.75	0	0	0	0
	2007	0	0.34	3.09	0.11	0	0	0
	2008	0	0	2.51	0.23	0	0	0
R2	2004	0.27	0	15.65	1.10	0.27	0	0
	2005	1.81	0.11	8.60	0.79	0.79	0.23	0
	2006	0	0	4.22	0.55	0.08	0	0
	2007	0	0.18	5.12	0.18	0	0	0
	2008	0.24	0.12	4.23	0	0.12	0	0
R4	2004	0.11	0	2.86	0	0	0	0
	2005	0.57	0	4.31	0.58	0	0	0
	2006	0	0.10	8.37	5.10	0	0	0
	2007	0.11	0.68	11.12	0	0.11	0	0
	2008	0	0	3.68	0	0	0.11	0
R8	2004	0.11	0	2.86	0.11	0	0	0
	2005	0	0	4.21	0.10	0	0	0
	2006	0	0	6.29	1.28	0.26	0	0
	2007	0	0	5.02	0	0.18	0	0
	2008	0	0	5.24	0	0	0	0
V8	2004	1.08	0.59	0.69	0	0	16.60	0
	2005	0.30	0	0.49	0	0	18.62	0
	2006	1.02	0	0.26	0	0.13	4.99	0
	2007	2.58	2.57	0.22	0	0.11	15.45	0.11
	2008	0.27	0	0	0	0.14	0.68	0.27

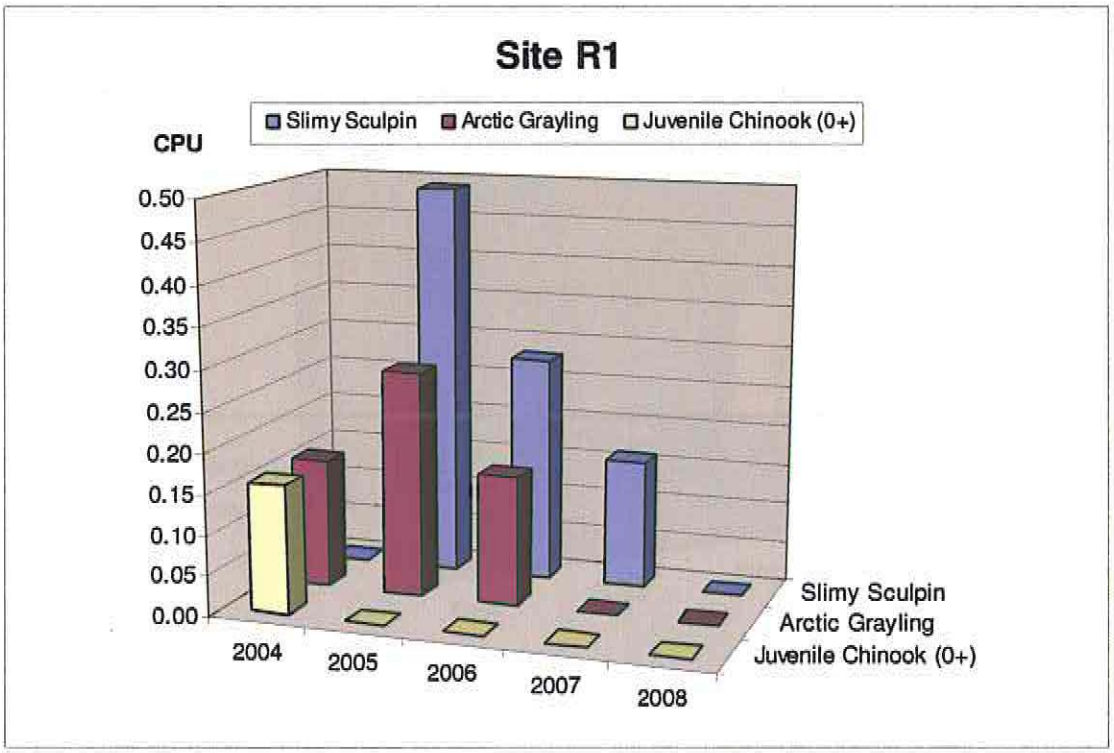

Figure 3: Comparison of minnow trap catches for site R1, Faro Aquatics sampling program for all years of sampling.

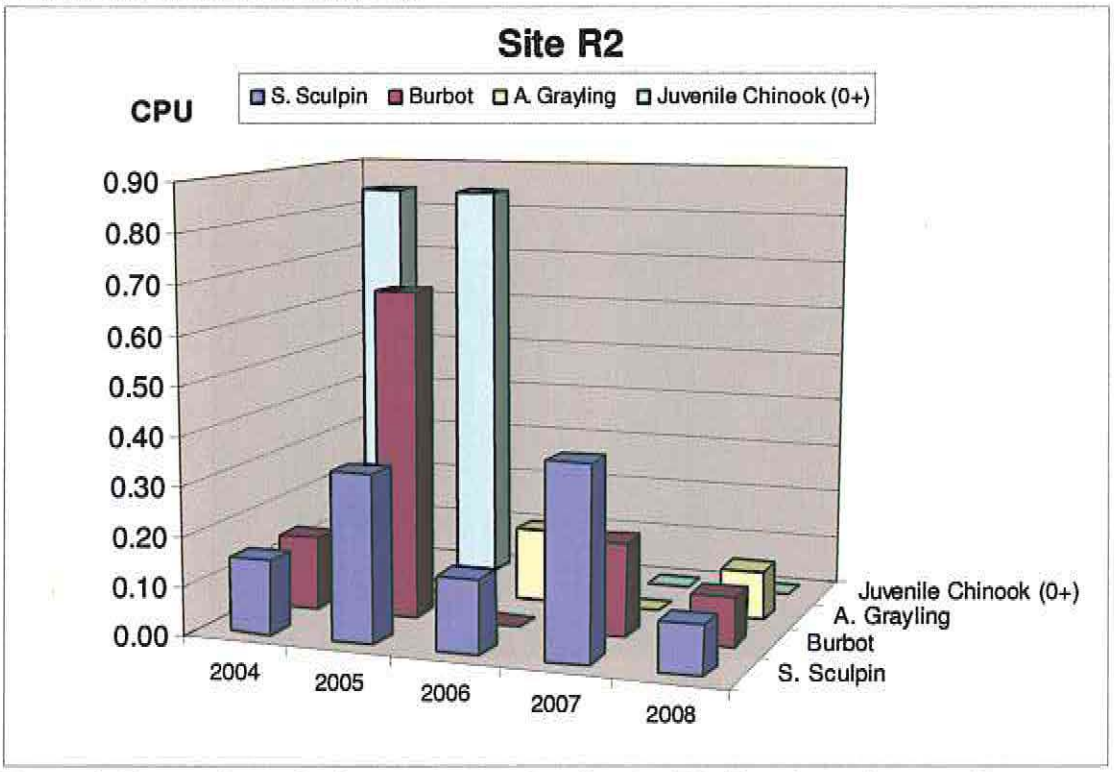

Figure 4: Comparison of minnow trap catches for site R2, Faro Aquatics sampling program for all years of sampling.

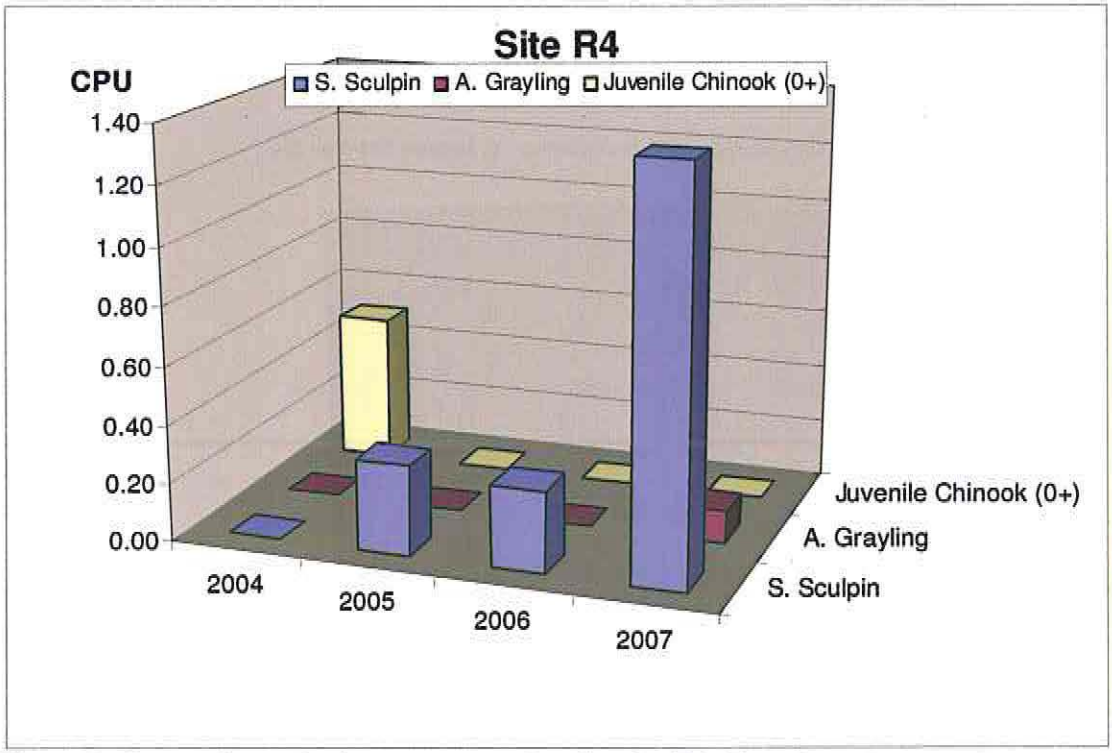

Figure 5: Comparison of minnow trap catches for site R4, Faro Aquatics sampling program for all years of sampling. No minnow trapping was conducted during 2008.

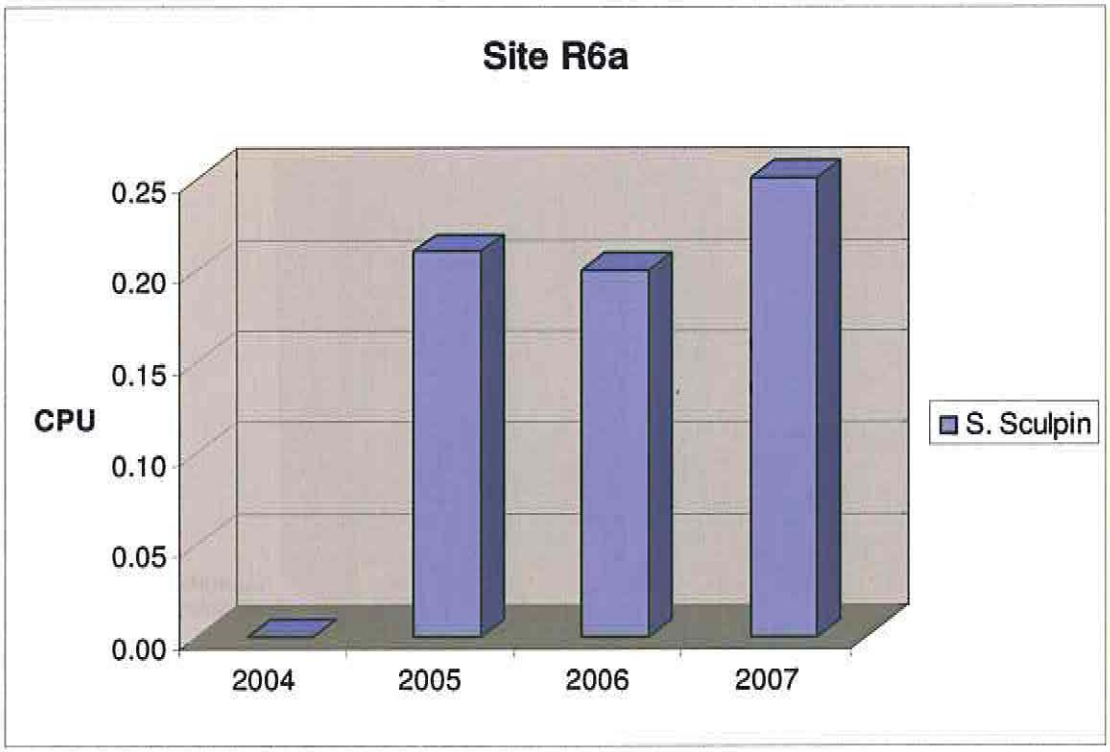

Figure 6: Comparison of minnow trap catches for site R6a, Faro Aquatics sampling program for all years of sampling. No minnow trapping was conducted during 2008.

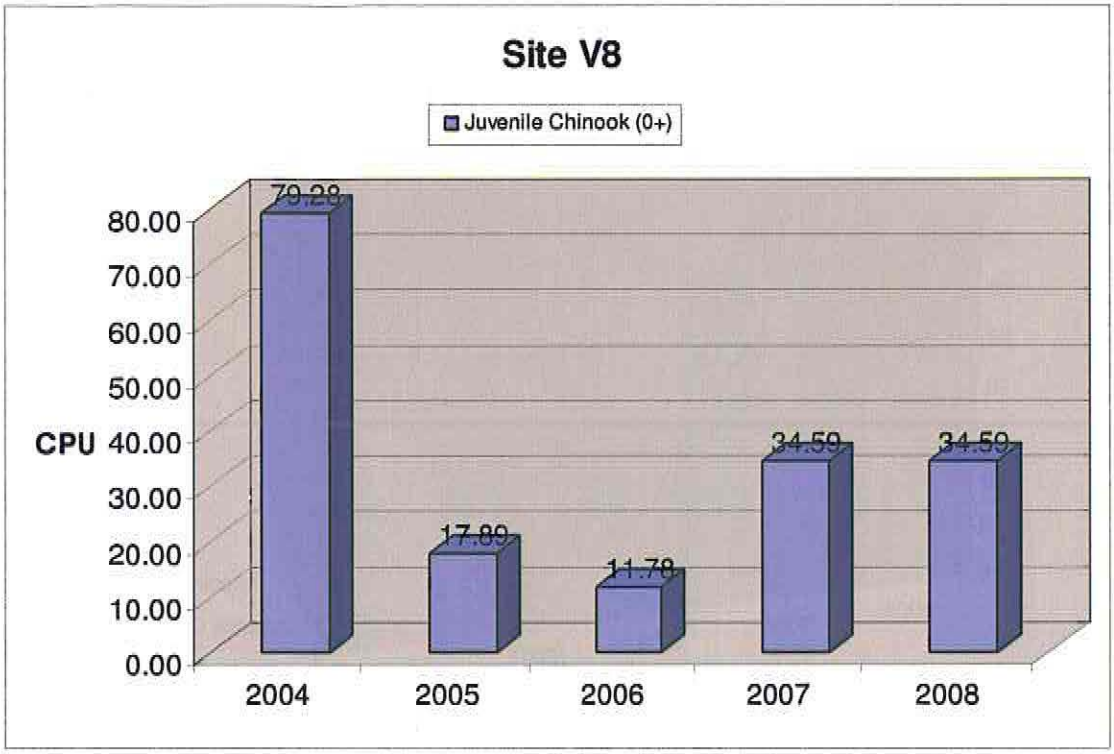

Figure 7: Comparison of minnow trap catches for site V8, Faro Aquatics sampling program for all years of sampling.

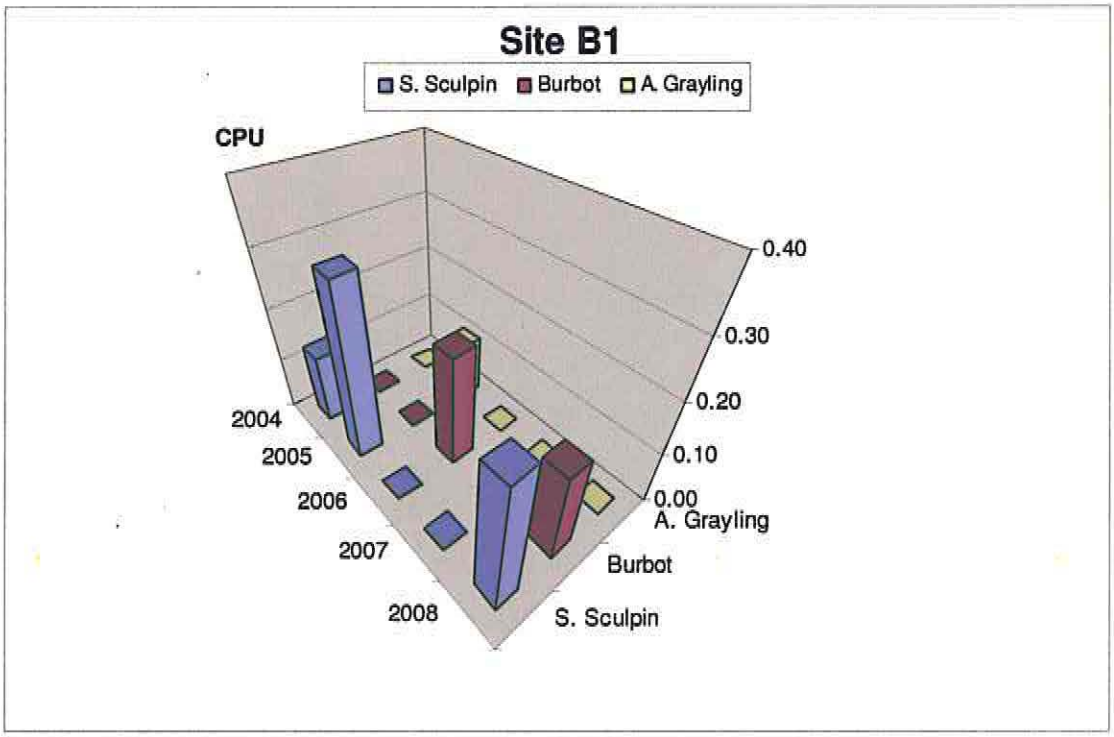

Figure 8: Comparison of minnow trap catches of slimy sculpin, burbot and Arctic grayling for site B1, Faro Aquatics sampling program for all years of sampling.

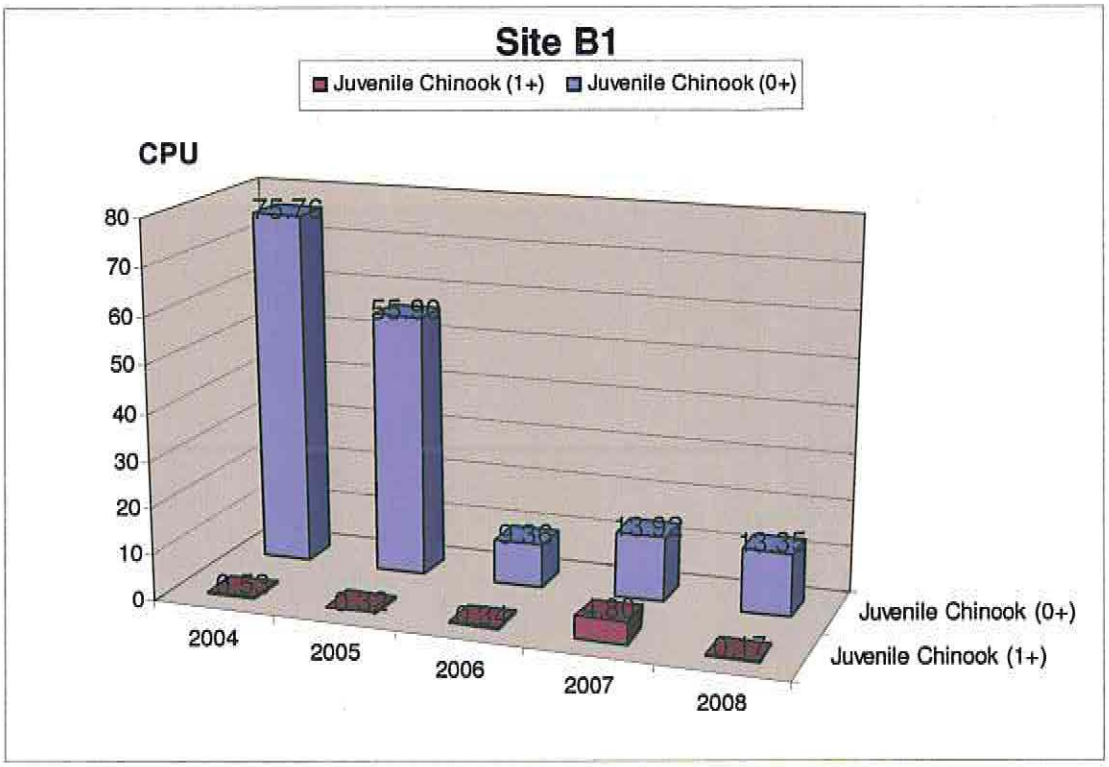

Figure 9: Comparison of chinook salmon minnow trap catches for site B1, Faro Aquatics sampling program for all years of sampling.

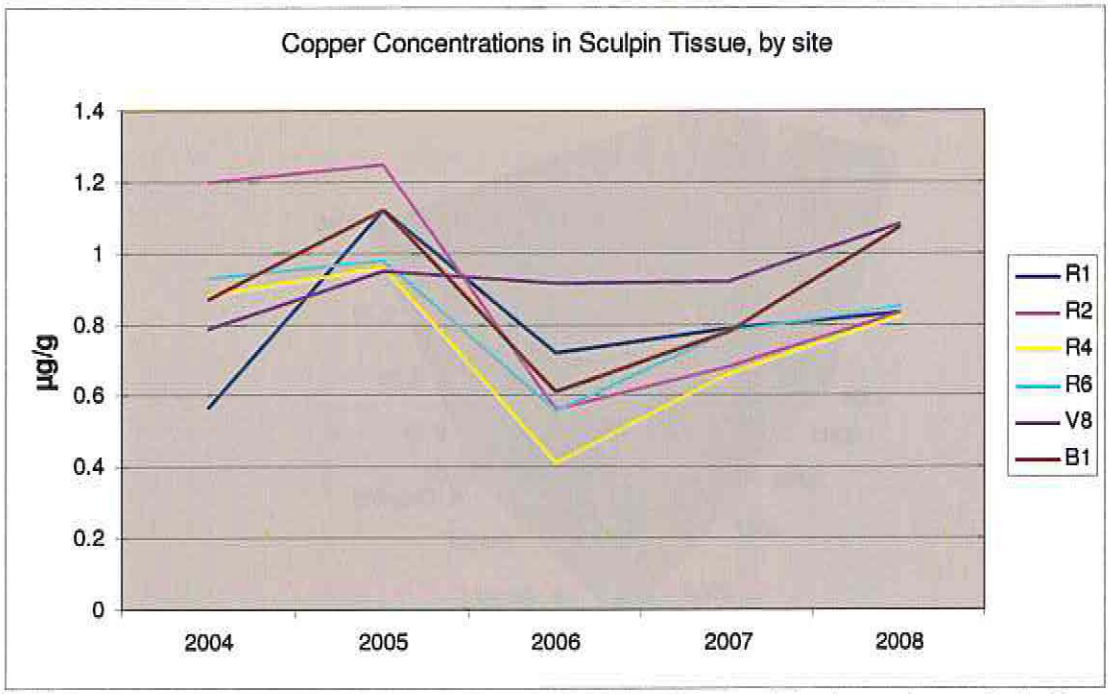

Figure 10: Comparison of copper concentrations in slimy sculpin tissue from all six Faro Aquatics sample stations for 2004 through 2008.

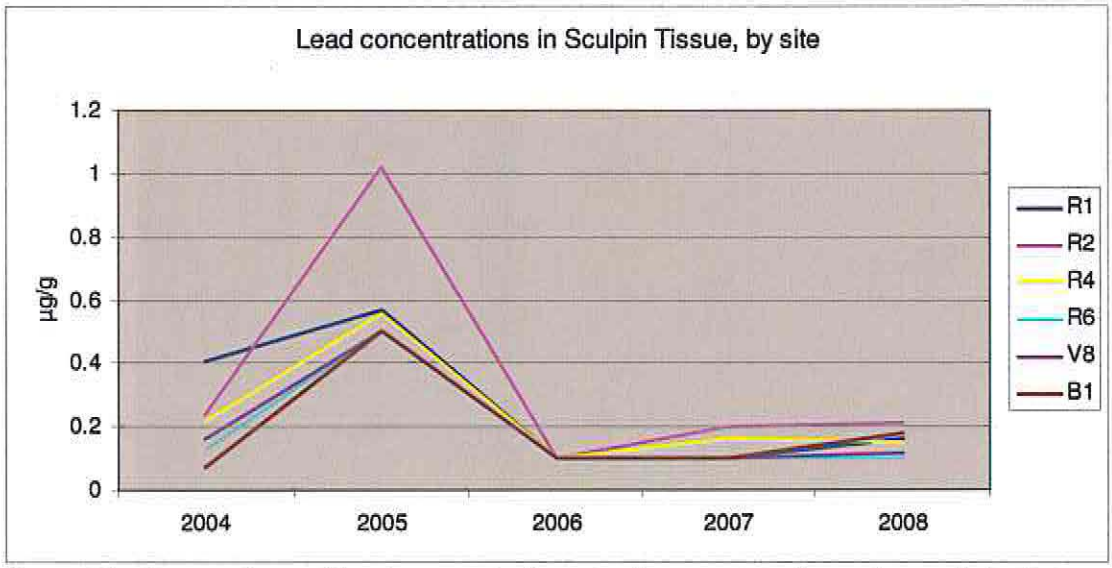

Figure 11: Comparison of lead concentrations in slimy sculpin tissue from all six Faro Aquatics sample stations for 2004 through 2008.

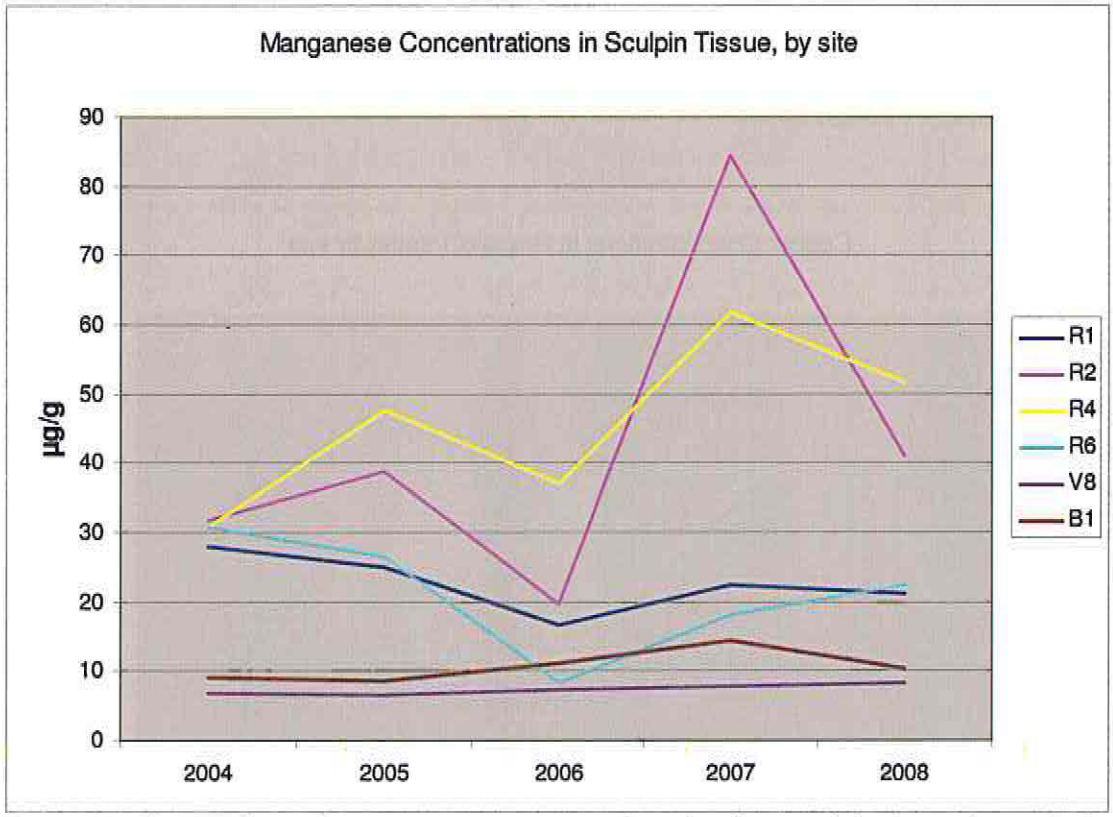

Figure 12: Comparison of manganese concentrations in slimy sculpin tissue from all six Faro Aquatics sample stations for 2004 through 2008.

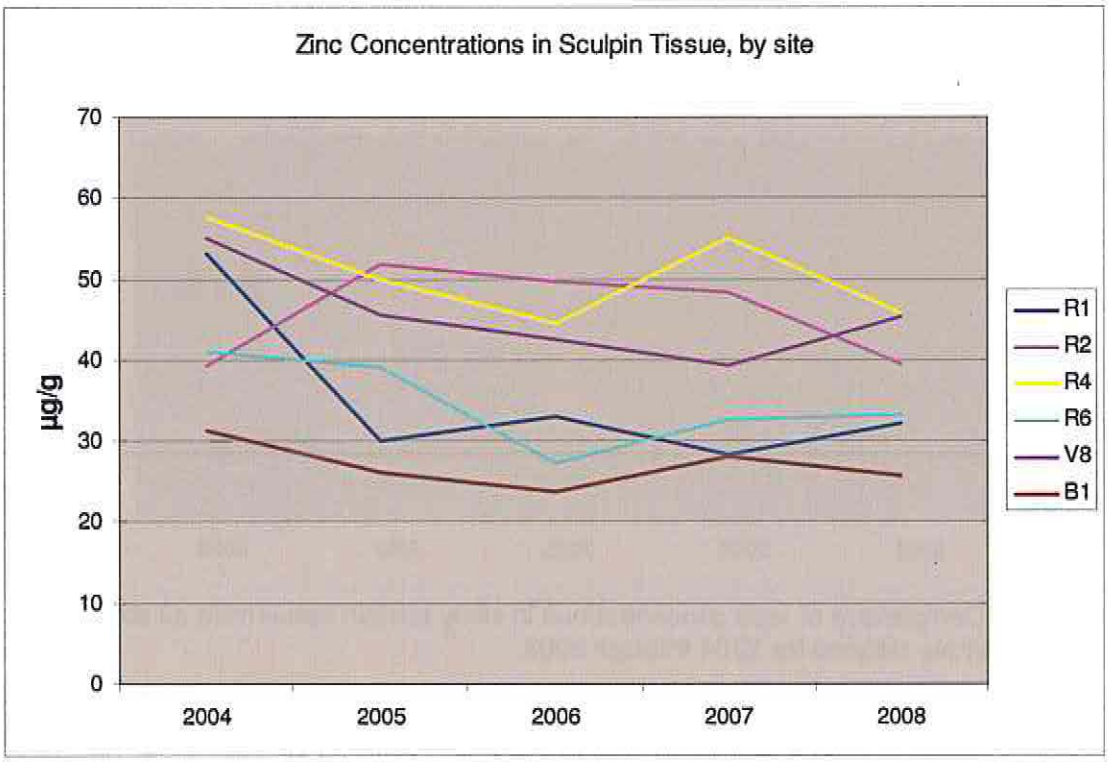

Figure 13: Comparison of zinc in slimy sculpin tissue from all six Faro Aquatics sample stations for 2004 through 2008.

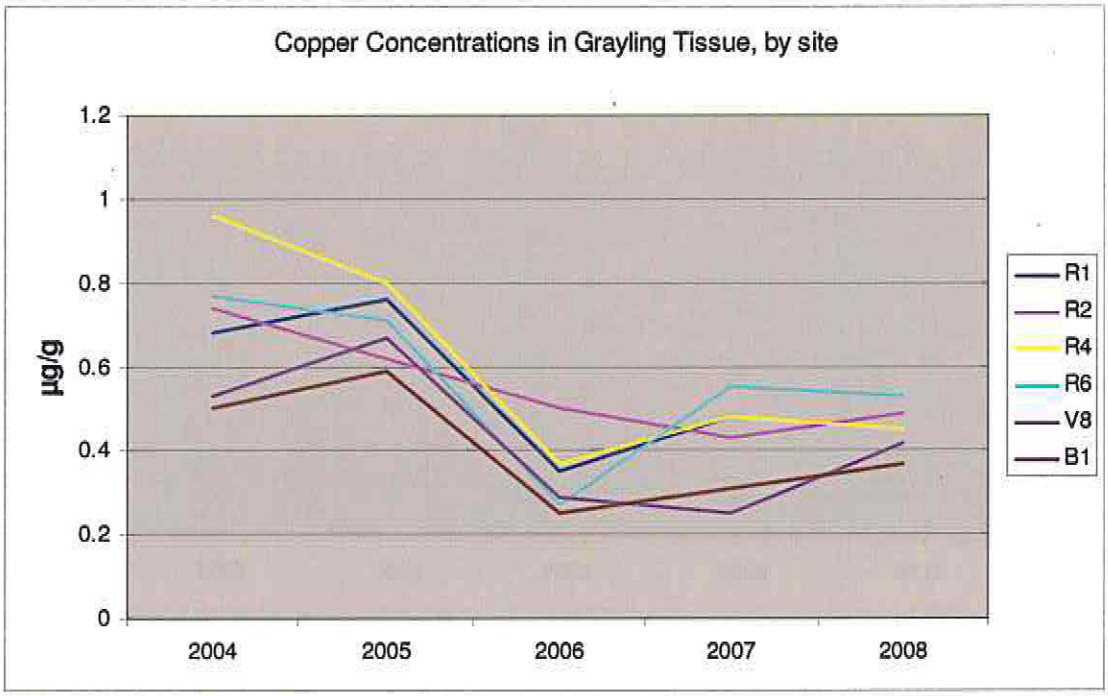

Figure 14: Comparison of copper concentrations in Arctic grayling tissue from all six Faro Aquatics sample stations for 2004 through 2008.

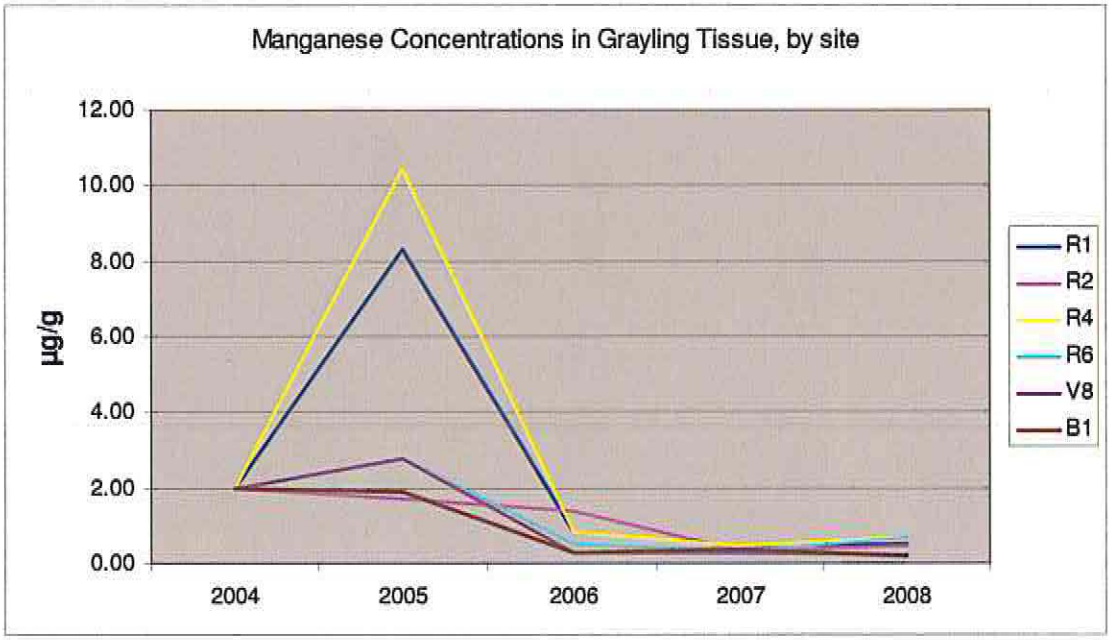

Figure 15: Comparison of manganese concentrations in Arctic grayling tissue from all six Faro Aquatics sample stations for 2004 through 2008.

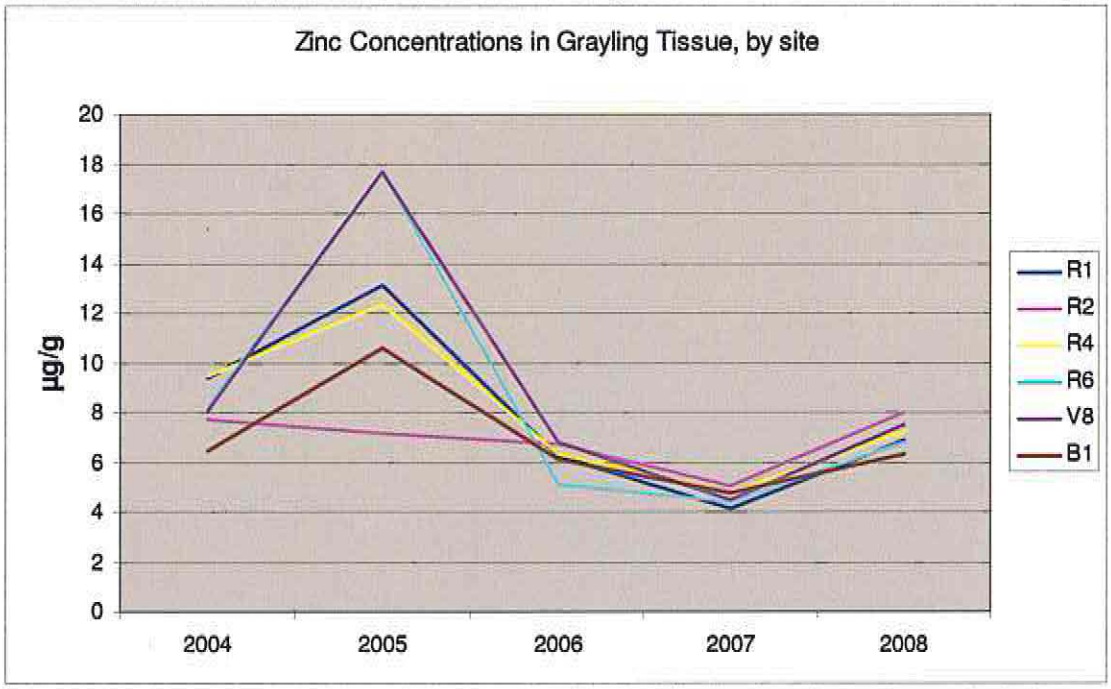

Figure 16: Comparison of zinc concentrations in Arctic grayling tissue from all six Faro Aquatics sample stations for 2004 through 2008.

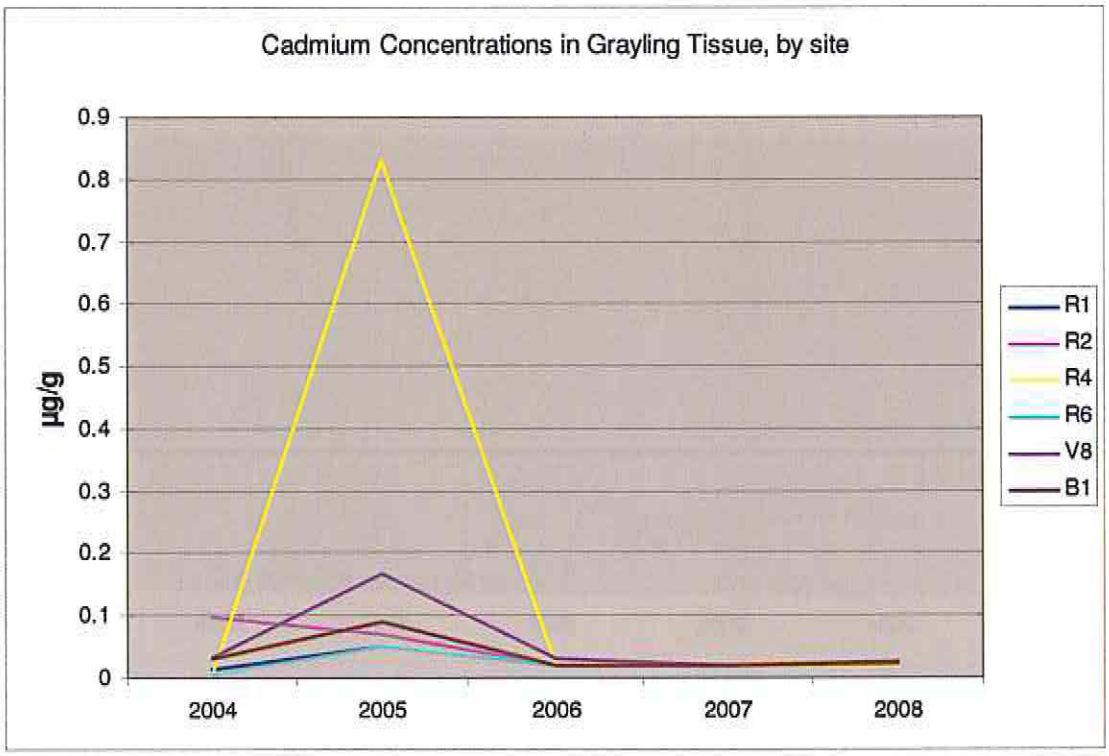

Figure 17: Comparison of cadmium metal concentrations in Arctic grayling tissue from all six Faro Aquatics sample stations for 2004 through 2008.

APPENDIX 1
GENERAL SITE DESCRIPTIONS

SITE: R1 Rose Creek

UTM: Down stream end 05 83 739 E, 69 12 390 N
Site Location: reach starts 10 meters upstream of the confluence of the north and south forks of Rose Creek and extends upstream for 110 meters.
Date Sampled: August 17 and 18, 2004, August 13 and 14, 2005
August 16 and 17, 2006, August 14 and 15, 2007
August 16 and 17, 2008

CHANNEL CHARACTERISTICS:

Surveyed Length:	3000 m
Average Channel Width:	4 meters
Average Wetted Width:	4 meters
Average Depth:	0.4 meters
Average Velocity	1.5 meters per second
% Pool, Riffle, Run / Glide:	65% riffles through boulders, 25% run and 10% small boulder and side pools
Cover	Dominant cover is boulder pools and perched boulders
Overhead vegetation	10% overhanging
Riparian Vegetation	Willow, dwarf birch, cinquefoil, with spruce adjacent

BED MATERIAL:

70% boulder, 20% cobble, 5% gravel, 5% sand with occasional bedrock outcrop in lower part of reach

BANK CHARACTERISTICS: Well defined channel with bedrock confining the channel on the left bank, the right bank has an open flood plain above an abrupt bank rise of 0.4 meters.

CHANNEL MORPHOLOGY CHARACTERISTICS: Uniform channel with a mostly flat bottom, some contour is provided by small pools near submerged bedrock along the left bank and boulders causing small cascades. A small island exists at the top of the reach. Flows within the South Fork of Rose Creek at site R1 in 2008 were similar to those of 2006. A long riffling run that extends approximately 800 meters upstream of the sample station was used as a collection area for angling Arctic grayling; this reach has similar morphology to the sample area although with more small pools and less velocity.

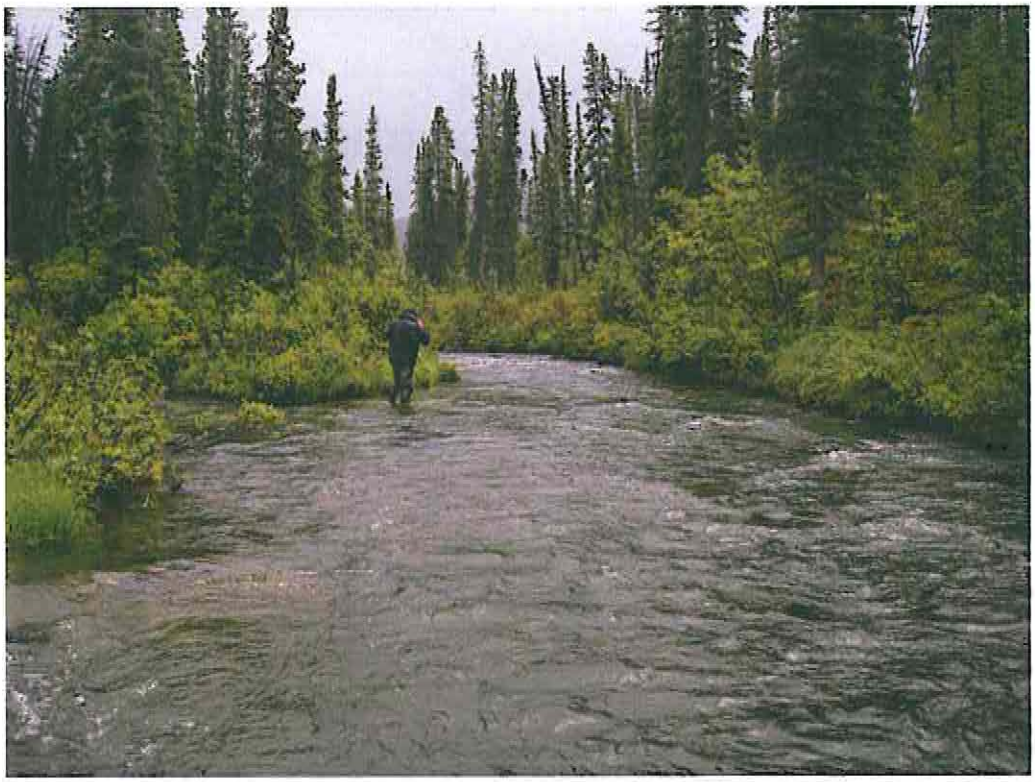

Photo 1: Rose Creek looking upstream at Site R1 from the bottom of the sample reach, 2008. The North Fork of Rose Creek enters on the left of the photo.

Photo 2: Ariel view of site R1 (on right) and the confluence with North Fork Rose Creek, 2007. The sample reach extends from the confluence to just below the first bend of the creek in the centre of the photo.

SITE: R2 Rose Creek

UTM: down stream end 05 79 401 E, 69 14 972 N
Site Location: reach starts at the confluence of the tailing pond discharge channel with Rose Creek and extends downstream for 110 meters through the mix water zone.
Date Sampled: August 18 and 19, 2004 August 15 and 16, 2005
August 15 and 16, 2006 August 14 and 15, 2007
August 16 and 17, 2008

CHANNEL CHARACTERISTICS:

Surveyed Length:	110 meters
Average Channel Width:	14 meters
Average Wetted Width:	12 meters
Average Depth:	0.7 meters
Average Velocity	0.8 meters per second
% Pool, Riffle, Run / Glide:	30% pool, 30% riffle, 40% glide
Cover	Large woody debri, undercut banks and deep pools
Overhead vegetation	No overhead vegetation
Riparian Vegetation	Willow, dwarf birch and dead spruce

BED MATERIAL:

30% cobble, 50% gravel, 20% sand with sand and gravel increasing in deeper pools and exposed point bars mostly sand and gravel.

BANK CHARACTERISTICS: Sand and gravel point bars opposite of mud cut banks that rise 1.5 to 2.5 meters to an open flood plain.

CHANNEL MORPHOLOGY CHARACTERISTICS: Meandering channel with corner pools, small riffles and point bars adjacent to cut banks. Water levels in 2008 were similar to, 2006 and approximately 0.3 meters lower than the highest flows experienced in 2005.

Photo 3: The tailings pond discharge channel entering Rose Creek at the upstream end of the sample reach site R2 during August, 2008.

Photo 4: Site R2, Rose Creek. The downstream end of the diversion channel flows in to the photo from the right upstream of the out flow of treated water and the sample site. August 2007.

SITE: R4 Rose Creek

UTM: down stream end 05 67 827 E, 69 21 736 N
Site Location: reach starts 80 meters upstream of the confluence of Rose Creek and Anvil Creek and extends upstream for 110 meters.
Date Sampled: August 12, 2004 August 17 and 18, 2005
August 16 and 17, 2006, August 17 and 18, 2007
August 19, 2008

CHANNEL CHARACTERISTICS:

Surveyed Length:	130 meters
Average Channel Width:	20 meters
Average Wetted Width:	14.5 meters
Average Depth:	0.5 meters
Average Velocity	> 1.0 meters per second
% Pool, Riffle, Run / Glide:	60% riffle, 15% boulder pool and 25% run
Cover	Boulder pools and overhead vegetation
Overhead vegetation	20% coverage
Riparian Vegetation	Alder and willow with spruce behind

BED MATERIAL:

5% large boulder, 20% boulder, 30% cobble, 40% gravel, 5% sand.

BANK CHARACTERISTICS: Open flood plain with gentle rise adjacent to well defined stepped banks that rise to a maximum of 2 meters to an open flood plain.

CHANNEL MORPHOLOGY CHARACTERISTICS: Mostly flat channel with one side typically deeper than the opposite side. Some exposed large boulders and a large side pool exists near the bottom of the reach. Water levels in 2008 were slightly higher than those of 2007 and similar to those of 2006.

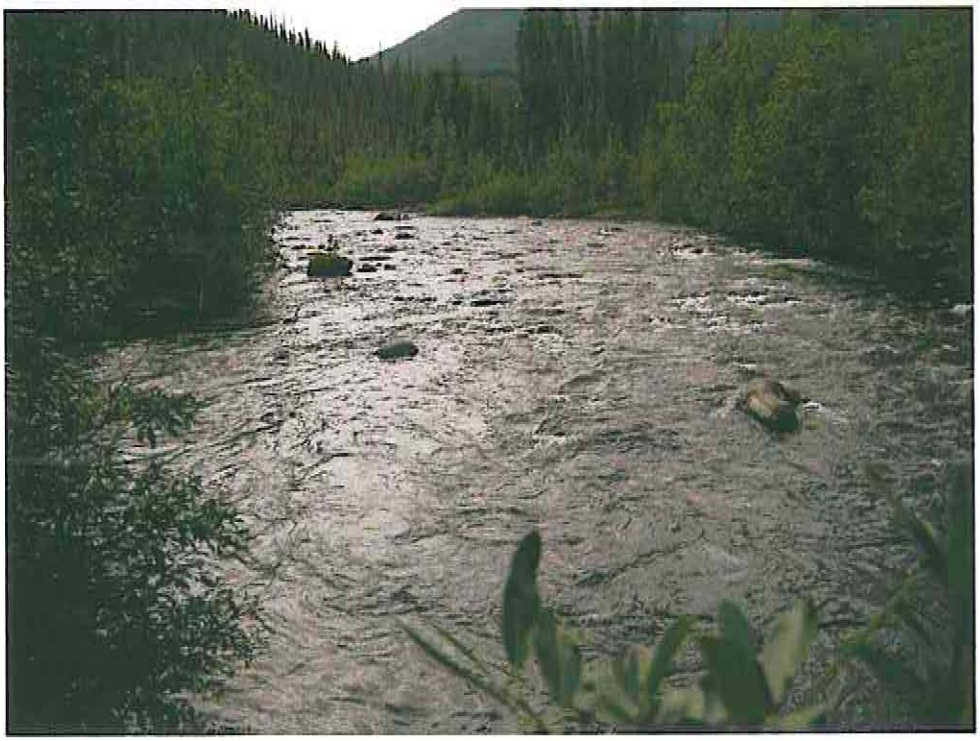

Photo 5: Rose Creek at site R4 during August of 2008. Water levels are slightly higher than in 2007 and similar to those of 2006.

SITE: R6 Anvil Creek

UTM: down stream end 05 67 917 E, 69 21 804 N
Site Location: reach starts 100 meters upstream of the confluence of Anvil Creek with Rose Creek and extends upstream a further 100 meters.
Date Sampled: August 12, 2004
August 17 and 18, 2005

Anvil Creek just upstream of the confluence with Rose Creek (control site). This reach is located at and begins 150 meters upstream of the confluence and then extends upstream for 100 meters. This site has not been sampled for fish since 2005 due to impracticalities with flow conditions. Site R6A, 500 meters upstream on Anvil Creek was established in 2006 as an alternate site for fish and benthic collections.

CHANNEL CHARACTERISTICS:

Surveyed Length:	100 meters
Average Channel Width:	15 meters
Average Wetted Width:	14 meters
Average Depth:	0.4 meters
Average Velocity	1.5 meters per second
% Pool, Riffle, Run / Glide:	15% rapid, 45% riffle, 20% run, 20% boulder pool
Cover	Turbulence, perched boulders and cobbles, and limited undercut and cut banks.
Overhead vegetation	< 5% cover
Riparian Vegetation	Willow with a sedge fringe and spruce adjacent

BED MATERIAL:

5% large boulder, 50% small boulder, 30% cobble, 15% sand

BANK CHARACTERISTICS: Well defined and stable banks rise to even 2 meter height on 50% slope.

CHANNEL MORPHOLOGY CHARACTERISTICS: Channel mostly flat but the mid channel areas are elevated with deep flows occurring towards the banks. Water levels in Anvil Creek were 0.5 meters deeper during 2005 investigations than those of 2004 and 0.2 meters higher again in 2006. This site has not been sampled since 2005.

Photo 6: Looking upstream to the top of the sample reach at site R6, from the edge of the confluence with Rose Creek, 2005.

SITE: R6A Anvil Creek

UTM: down stream end 05 68 768 E, 69 21 412 N
Site Location: reach starts 1.35 km by creek channel (800 meters direct) upstream of the confluence of Anvil Creek with Rose Creek and extends upstream a further 100 meters.
Date Sampled: August 16 and 17, 2006 August 17 and 18, 2007
August 19, 2008

Anvil Creek upstream of the confluence with Rose Creek (control site).

CHANNEL CHARACTERISTICS:

Surveyed Length:	130 meters
Average Channel Width:	14 meters
Average Wetted Width:	9 meters
Average Depth:	0.7 meters
Average Velocity	>1 meter per second
% Pool, Riffle, Run / Glide:	10% rapid, 15% riffle, 20% run, 40% race, 15% pool
Cover	Large boulders, pools and LOD and undercut bank.
Crown Closure	< 5% cover
Riparian Vegetation	Alder, spruce, willow mix with grasses, sedge and cinquefoil

BED MATERIAL:

80% small boulder, 15% cobble, 5% gravel, with sand deposits at downstream point bar.

BANK CHARACTERISTICS: Consistent well defined and stable banks rise abruptly 0.7 to 1.0 meter height.

CHANNEL MORPHOLOGY CHARACTERISTICS: The channel is partially entrenched by a small hill on the upper right bank, becomes confined and deep centered before spreading to over 50 meters wide at a small side channel in the lower portion of the reach on the right bank. The reach ends with a shoot rapid entering a deep corner pool with undercut banks.

Photo 7: Reach R6a sample site, flowing right to left. August, 2008. The corner pool in the lower end of the reach is the location used to capture Arctic grayling samples.

SITE: B1 Blind Creek

UTM: down stream end 05 36 680 E, 68 96 005 N
Site Location: reach starts immediately upstream of the bridge and extends upstream for 100 meters; reaches below the bridge have been used for fish sample collections.
Date Sampled: August 14 and 15, 2004 August 19 and 20, 2005
August 18 and 19, 2006 August 17 and 18, 2007
August 19 and 20, 2008

CHANNEL CHARACTERISTICS:

Surveyed Length:	350 meters
Average Channel Width:	15.5 meters
Average Wetted Width:	14 meters
Average Depth:	0.7 meters
Average Velocity	0.4 meters per second
% Pool, Riffle, Run / Glide:	100% glide
Cover	Fine organic debris, cut banks (up to 40%), small woody debris against shore and a beaver lodge
Overhead vegetation	10% cover
Riparian Vegetation	Alder, willow with some spruce, with high bush cranberry, raspberry and cinquefoil adjacent

BED MATERIAL:

Sand silt and organic debris overlaying 60% cobble, 40% gravel.

BANK CHARACTERISTICS: Shallow point bars occur opposite of cut and eroding banks near gentle corners. Cut banks rise between 1 and 2 meters to an open flood plain.

CHANNEL MORPHOLOGY CHARACTERISTICS: Uniform channel with a deep side opposite of a side of deposition. Flows in Blind Creek were slightly higher in 2006 than during 2005 sampling which were very similar to those encountered during 2004.

Photo 8: Collecting minnow traps in Blind Creek near the weir site during August of 2008.

SITE: V8 Vangorda Creek

UTM: down stream end 05 84 790 E, 69 00 606 N
Site Location: reach starts immediately upstream of a small foot bridge that crosses the creek at the site of the town of Faro sewage discharge pipe crossing and extends upstream for 100 meters
Date Sampled: August 14 and 15, 2004 August 17 and 18, 2005
August 17 and 18, 2006 August 15, 16, 17 and 23, 2007
August 17 and 18, 2008

CHANNEL CHARACTERISTICS:

Surveyed Length:	100 meters
Average Channel Width:	6.0 meters
Average Wetted Width:	3.3 meters
Average Depth:	0.5 meters
Average Velocity	1.5 meters per second
% Pool, Riffle, Run / Glide:	80% riffle (almost rapid), 20% eddy and side pools
Cover	Over head vegetation, large and small woody debri, flood washed shrubby vegetation and boulder pools
Overhead vegetation	20% cover
Riparian Vegetation	Alder and willow with occasional spruce and poplar

BED MATERIAL: Exposed substrate consists of 50% boulder, 20% cobble, 15% gravel, 15% sand with occasional bedrock outcrop in upper part of reach. Most substrates loosely consolidated and highly silted. Creek channel was heavily modified by a high water event this season.

BANK CHARACTERISTICS: Well defined channel with newly eroded, but stable, banks that rise gently to a maximum of 2 meters. A small area of bedrock confines the channel on the left bank at the upstream end of the reach.

CHANNEL MORPHOLOGY CHARACTERISTICS: Very little meandering in an entrenched valley, unconsolidated materials from 2004 have been washed out and boulders protrude in most of the channel.

Photo 9: Rock slide at the upstream end of Vangorda Creek site V8 sample site during 2008. The materials that slid are surrounded by mineralized materials visible on the left side of the photo.

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Report Transmission Cover Page

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Approval Status:	Approved
	PO Box 10140	Name:		Invoice Frequency:	by Lot
	Whitehorse, YT, Canada	Location:		COD Status:	
	Y1A 7A1	LSD:		Control Number:	L009766
Attn:	Paul Sparling	P.O.:		Date Received:	Sep 17, 2008
Sampled By:		Acct code:		Date Reported:	Sep 29, 2008
Company:				Report Number:	1150502

Contact	Company	Address
Paul Sparling	White Mountain Environmental Consulting	PO Box 10140 Whitehorse, YT Y1A 7A1 Phone: (867) 399-7019 Fax: Email: psparling@gmail.com

	Copies	Delivery	Format
M	1	Post	
	1	Email - Single Report	PDF

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Notes To Clients:

Reports associated with this Lot

Id/Format/Report Date	Id/Format/Report Date	Id/Format/Report Date

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Sample Custody

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

Sample Disposal Date: October 29, 2008

All samples will be stored until this date unless other instructions are received. Please indicate other requirements below and return this form to the address or fax number on the bottom of this page.

☐ Extend Sample Storage Until _____ (MM/DD/YY)

The following charges apply to extended sample storage:

Storage for 1 to 5 samples per month	$ 10.00
Storage for 6 to 20 samples per month	$ 15.00
Storage for 21 to 50 samples per month	$ 30.00
Storage for 51 to 200 samples per month	$ 60.00
Storage for more than 200 samples per month	$ 110.00

☐ Return Sample, collect, to the address below via:

- ☐ Greyhound
- ☐ Loomis
- ☐ Purolator
- ☐ Other (specify) _____

Name _____

Company _____

Address _____

_____

Phone _____

Fax _____

Signature _____

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

			Reference Number	642807-1	642807-2	642807-3	
			Sample Date	Aug 16, 2008	Aug 16, 2008	Aug 16, 2008	
			Sample Location				
			Sample Description	Site-R1 AG1 / Rose Creek	Site-R1 AG2 / Rose Creek	Site-R1 AG3 / Rose Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		2	1	2	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		0.040	0.028	0.042	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.008	<0.008	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Calcium	Total (wet weight)	ug/g		372	199	429	2
Chromium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g		<0.02	0.05	0.04	0.05
Copper	Total (wet weight)	ug/g		0.47	0.48	0.52	0.05
Iron	Total (wet weight)	ug/g		4.9	5.6	4.2	1
Lead	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g		0.29	0.25	0.27	0.1
Magnesium	Total (wet weight)	ug/g		258	263	253	1
Manganese	Total (wet weight)	ug/g		0.49	0.37	0.37	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		0.05	<0.05	<0.05	0.1
Phosphorus	Total (wet weight)	ug/g		2470	2360	2510	0.5
Potassium	Total (wet weight)	ug/g		4510	4480	4590	5
Selenium	Total (wet weight)	ug/g		1.3	0.81	1.1	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.08	<0.08	0.2
Sodium	Total (wet weight)	ug/g		643	607	669	1
Strontium	Total (wet weight)	ug/g		0.322	0.22	0.372	0.02
Titanium	Total (wet weight)	ug/g		0.02	0.03	<0.02	0.05
Vanadium	Total (wet weight)	ug/g		<0.07	<0.08	0.09	0.1
Zinc	Total (wet weight)	ug/g		5.41	7.20	6.69	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.70	0.68	0.60	0.3

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Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**642807**
Control Number:	L009766
Date Received:	Sep 17, 2008
Date Reported:	Sep 29, 2008
Report Number:	1150502

			Reference Number	642807-4	642807-5	642807-6	
			Sample Date	Aug 16, 2008	Aug 16, 2008	Aug 16, 2008	
			Sample Location				
			Sample Description	Site-R1 AG4 / Rose Creek	Site-R1 AG5 / Rose Creek	Site-R2 AG1 / Rose Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		0.8	2	2.9	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		0.02	0.090	0.090	0.03
Beryllium	Total (wet weight)	ug/g		<0.008	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.25	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	0.03	<0.02	0.05
Calcium	Total (wet weight)	ug/g		215	400	817	2
Chromium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g		0.04	0.04	0.03	0.05
Copper	Total (wet weight)	ug/g		0.42	0.36	0.43	0.05
Iron	Total (wet weight)	ug/g		3.8	8.5	4.7	1
Lead	Total (wet weight)	ug/g		<0.1	0.1	0.2	0.3
Lithium	Total (wet weight)	ug/g		0.2	0.29	0.33	0.1
Magnesium	Total (wet weight)	ug/g		244	223	272	1
Manganese	Total (wet weight)	ug/g		0.29	1.1	1.0	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		0.06	0.2	<0.05	0.1
Phosphorus	Total (wet weight)	ug/g		2280	2200	2600	0.5
Potassium	Total (wet weight)	ug/g		4460	4320	4310	5
Selenium	Total (wet weight)	ug/g		0.91	1.0	1.0	0.3
Silver	Total (wet weight)	ug/g		<0.08	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g		586	726	623	1
Strontium	Total (wet weight)	ug/g		0.18	0.352	0.750	0.02
Titanium	Total (wet weight)	ug/g		0.03	<0.02	<0.02	0.05
Vanadium	Total (wet weight)	ug/g		0.08	<0.07	<0.07	0.1
Zinc	Total (wet weight)	ug/g		7.61	7.58	9.67	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.60	0.57	0.62	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

			Reference Number	642807-7	642807-8	642807-9	
			Sample Date	Aug 16, 2008	Aug 16, 2008	Aug 16, 2008	
			Sample Location				
			Sample Description	Site-R2 AG2 / Rose Creek Tissue	Site-R2 AG3 / Rose Creek Tissue	Site-R2 AG4 / Rose Creek Tissue	
			Matrix				
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		1	1	0.6	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		0.2	<0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		0.01	0.028	0.032	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.008	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Calcium	Total (wet weight)	ug/g		211	166	174	2
Chromium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g		0.06	0.06	0.09	0.05
Copper	Total (wet weight)	ug/g		0.60	0.54	0.47	0.05
Iron	Total (wet weight)	ug/g		5.3	7.6	4.9	1
Lead	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g		0.2	0.2	0.2	0.1
Magnesium	Total (wet weight)	ug/g		252	246	262	1
Manganese	Total (wet weight)	ug/g		0.2	0.29	0.28	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		<0.05	<0.05	<0.05	0.1
Phosphorus	Total (wet weight)	ug/g		2280	2280	2340	0.5
Potassium	Total (wet weight)	ug/g		4510	4500	4560	5
Selenium	Total (wet weight)	ug/g		1.0	1.3	1.2	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.08	<0.07	0.2
Sodium	Total (wet weight)	ug/g		628	658	607	1
Strontium	Total (wet weight)	ug/g		0.16	0.14	0.13	0.02
Titanium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Vanadium	Total (wet weight)	ug/g		0.08	<0.08	<0.07	0.1
Zinc	Total (wet weight)	ug/g		7.84	7.69	7.38	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.67	0.62	0.61	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

		Reference Number	642807-10	642807-11	642807-12	
		Sample Date	Aug 16, 2008	Aug 19, 2008	Aug 19, 2008	
		Sample Location				
		Sample Description	Site-R2 AG5 / Rose Creek	Site-R4 AG1 / Rose Creek	Site-R4 AG2 / Rose Creek	
		Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total						
Aluminum	Total (wet weight)	ug/g	2	1	1	1
Antimony	Total (wet weight)	ug/g	<0.2	<0.2	0.25	0.5
Arsenic	Total (wet weight)	ug/g	0.2	0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g	0.042	0.052	0.030	0.03
Beryllium	Total (wet weight)	ug/g	<0.008	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g	0.39	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Calcium	Total (wet weight)	ug/g	372	224	246	2
Chromium	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g	0.04	0.03	0.03	0.05
Copper	Total (wet weight)	ug/g	0.42	0.41	0.43	0.05
Iron	Total (wet weight)	ug/g	3.8	5.8	4.8	1
Lead	Total (wet weight)	ug/g	<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g	0.2	0.2	0.2	0.1
Magnesium	Total (wet weight)	ug/g	264	246	248	1
Manganese	Total (wet weight)	ug/g	0.58	0.73	0.59	0.3
Molybdenum	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g	<0.05	0.07	<0.05	0.1
Phosphorus	Total (wet weight)	ug/g	2380	2320	2250	0.5
Potassium	Total (wet weight)	ug/g	4400	4420	4460	5
Selenium	Total (wet weight)	ug/g	1.2	1.2	0.92	0.3
Silver	Total (wet weight)	ug/g	<0.08	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g	590	622	604	1
Strontium	Total (wet weight)	ug/g	0.322	0.18	0.16	0.02
Titanium	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Vanadium	Total (wet weight)	ug/g	0.09	<0.07	<0.07	0.1
Zinc	Total (wet weight)	ug/g	7.38	6.50	6.81	0.1
Zirconium	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g	0.66	0.66	0.64	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

			Reference Number	642807-13	642807-14	642807-15	
			Sample Date	Aug 19, 2008	Aug 19, 2008	Aug 19, 2008	
			Sample Location				
			Sample Description	Site-R4 AG3 / Rose Creek	Site-R4 AG4 / Rose Creek	Site-R4 AG5 / Rose Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		2	2	0.9	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	<0.1	0.1	0.2
Barium	Total (wet weight)	ug/g		0.058	0.050	0.025	0.03
Beryllium	Total (wet weight)	ug/g		<0.008	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Calcium	Total (wet weight)	ug/g		427	533	201	2
Chromium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g		0.04	0.06	0.06	0.05
Copper	Total (wet weight)	ug/g		0.38	0.38	0.65	0.05
Iron	Total (wet weight)	ug/g		5.9	4.2	5.8	1
Lead	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g		0.2	0.2	0.2	0.1
Magnesium	Total (wet weight)	ug/g		241	245	238	1
Manganese	Total (wet weight)	ug/g		0.95	0.73	0.38	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		<0.05	<0.05	0.05	0.1
Phosphorus	Total (wet weight)	ug/g		2350	2360	2260	0.5
Potassium	Total (wet weight)	ug/g		4400	4380	4520	5
Selenium	Total (wet weight)	ug/g		0.95	0.98	1.4	0.3
Silver	Total (wet weight)	ug/g		<0.08	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g		646	664	664	1
Strontium	Total (wet weight)	ug/g		0.355	0.389	0.13	0.02
Titanium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Vanadium	Total (wet weight)	ug/g		<0.08	0.08	0.07	0.1
Zinc	Total (wet weight)	ug/g		8.94	6.44	7.59	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.64	0.54	0.71	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

			Reference Number	642807-16	642807-17	642807-18	
			Sample Date	Aug 19, 2008	Aug 19, 2008	Aug 19, 2008	
			Sample Location				
			Sample Description	Site-R8 AG1 / Anvil Creek	Site-R8 AG2 / Anvil Creek	Site-R8 AG3 / Anvil Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		1	1	0.6	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		0.1	<0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		0.037	0.027	<0.01	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.25	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	0.04	0.05
Calcium	Total (wet weight)	ug/g		314	263	166	2
Chromium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g		0.03	0.04	0.04	0.05
Copper	Total (wet weight)	ug/g		0.59	0.56	0.51	0.05
Iron	Total (wet weight)	ug/g		5.3	5.5	4.5	1
Lead	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g		0.2	0.2	0.2	0.1
Magnesium	Total (wet weight)	ug/g		251	247	252	1
Manganese	Total (wet weight)	ug/g		0.46	0.2	0.1	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		<0.05	<0.05	0.05	0.1
Phosphorus	Total (wet weight)	ug/g		2410	2250	2290	0.5
Potassium	Total (wet weight)	ug/g		4370	4120	4380	5
Selenium	Total (wet weight)	ug/g		1.0	1.4	1.4	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g		657	621	599	1
Strontium	Total (wet weight)	ug/g		0.22	0.19	0.10	0.02
Titanium	Total (wet weight)	ug/g		<0.02	<0.02	0.02	0.05
Vanadium	Total (wet weight)	ug/g		<0.07	<0.07	<0.07	0.1
Zinc	Total (wet weight)	ug/g		6.64	6.24	6.60	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.66	0.67	0.65	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

			Reference Number	642807-19	642807-20	642807-21	
			Sample Date	Aug 19, 2008	Aug 19, 2008	Aug 19, 2008	
			Sample Location				
			Sample Description	Site-R8 AG4 / Anvil Creek	Site-R8 AG5 / Anvil Creek	Site-V8 AG1 / Vangorda Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		1	2	0.9	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		0.047	0.058	0.030	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.008	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		0.27	<0.25	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	0.04	0.05
Calcium	Total (wet weight)	ug/g		287	487	194	2
Chromium	Total (wet weight)	ug/g		<0.02	<0.02	0.027	0.04
Cobalt	Total (wet weight)	ug/g		<0.02	0.04	0.03	0.05
Copper	Total (wet weight)	ug/g		0.45	0.52	0.46	0.05
Iron	Total (wet weight)	ug/g		5.6	5.3	4.7	1
Lead	Total (wet weight)	ug/g		<0.1	<0.1	0.2	0.3
Lithium	Total (wet weight)	ug/g		0.2	0.2	0.2	0.1
Magnesium	Total (wet weight)	ug/g		231	258	236	1
Manganese	Total (wet weight)	ug/g		0.25	0.2	<0.1	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		<0.05	<0.05	<0.05	0.1
Phosphorus	Total (wet weight)	ug/g		2270	2500	2150	0.5
Potassium	Total (wet weight)	ug/g		4440	4350	4400	5
Selenium	Total (wet weight)	ug/g		1.3	1.2	1.7	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.08	<0.07	0.2
Sodium	Total (wet weight)	ug/g		666	617	708	1
Strontium	Total (wet weight)	ug/g		0.22	0.408	0.14	0.02
Titanium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Vanadium	Total (wet weight)	ug/g		<0.07	<0.08	0.1	0.1
Zinc	Total (wet weight)	ug/g		7.77	6.68	6.79	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.59	0.66	0.62	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**642807**
Control Number:	L009766
Date Received:	Sep 17, 2008
Date Reported:	Sep 29, 2008
Report Number:	1150502

			Reference Number	642807-22	642807-23	642807-24	
			Sample Date	Aug 19, 2008	Aug 19, 2008	Aug 19, 2008	
			Sample Location				
			Sample Description	Site-V8 AG2 / Vangorda Creek	Site-V8 AG3 / Vangorda Creek	Site-V8 AG4 / Vangorda Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		1	2	0.9	1
Antimony	Total (wet weight)	ug/g		0.30	0.35	0.29	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		0.02	0.080	0.02	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.008	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.25	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	0.04	<0.02	0.05
Calcium	Total (wet weight)	ug/g		248	672	202	2
Chromium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g		0.04	<0.02	<0.02	0.05
Copper	Total (wet weight)	ug/g		0.39	0.36	0.46	0.05
Iron	Total (wet weight)	ug/g		4.1	5.4	4.9	1
Lead	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g		0.2	0.2	0.2	0.1
Magnesium	Total (wet weight)	ug/g		259	253	231	1
Manganese	Total (wet weight)	ug/g		0.1	0.30	0.1	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		0.07	<0.05	0.06	0.1
Phosphorus	Total (wet weight)	ug/g		2260	2440	2140	0.5
Potassium	Total (wet weight)	ug/g		4540	4420	4300	5
Selenium	Total (wet weight)	ug/g		1.6	1.6	1.0	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.08	<0.07	0.2
Sodium	Total (wet weight)	ug/g		608	716	669	1
Strontium	Total (wet weight)	ug/g		0.19	0.566	0.17	0.02
Titanium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Vanadium	Total (wet weight)	ug/g		0.08	<0.08	<0.07	0.1
Zinc	Total (wet weight)	ug/g		8.32	7.19	7.22	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.63	0.78	0.64	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

			Reference Number	642807-25	642807-26	642807-27	
			Sample Date	Aug 19, 2008	Aug 20, 2008	Aug 20, 2008	
			Sample Location				
			Sample Description	Site-V8 AG5 / Vangorda Creek	Site-B1 AG1 / Blind Creek	Site-B1 AG2 / Blind Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		1	2	0.7	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	0.26	<0.1	0.2
Barium	Total (wet weight)	ug/g		0.02	0.095	0.01	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.008	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	0.04	0.05
Calcium	Total (wet weight)	ug/g		202	491	156	2
Chromium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g		0.05	<0.02	0.03	0.05
Copper	Total (wet weight)	ug/g		0.44	0.37	0.47	0.05
Iron	Total (wet weight)	ug/g		5.3	8.0	4.3	1
Lead	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g		0.2	0.2	0.2	0.1
Magnesium	Total (wet weight)	ug/g		226	217	246	1
Manganese	Total (wet weight)	ug/g		<0.1	0.28	<0.1	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		<0.05	<0.05	<0.05	0.1
Phosphorus	Total (wet weight)	ug/g		2010	2210	2200	0.5
Potassium	Total (wet weight)	ug/g		4340	4110	4540	5
Selenium	Total (wet weight)	ug/g		1.6	0.84	1.5	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.08	<0.07	0.2
Sodium	Total (wet weight)	ug/g		640	818	650	1
Strontium	Total (wet weight)	ug/g		0.14	0.415	0.12	0.02
Titanium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Vanadium	Total (wet weight)	ug/g		<0.07	<0.08	<0.07	0.1
Zinc	Total (wet weight)	ug/g		8.05	8.11	6.83	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.71	0.48	0.51	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID: **642807**
Control Number: L009766
Date Received: Sep 17, 2008
Date Reported: Sep 29, 2008
Report Number: 1150502

			Reference Number	642807-28	642807-29	642807-30	
			Sample Date	Aug 20, 2008	Aug 20, 2008	Aug 20, 2008	
			Sample Location				
			Sample Description	Site-B1 AG3 / Blind Creek	Site-B1 AG4 / Blind Creek	Site-B1 AG5 / Blind Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		1	1	0.5	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	<0.1	0.1	0.2
Barium	Total (wet weight)	ug/g		0.028	0.030	<0.01	0.03
Beryllium	Total (wet weight)	ug/g		<0.008	<0.008	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	0.04	0.05
Calcium	Total (wet weight)	ug/g		285	208	138	2
Chromium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g		0.03	0.03	0.02	0.05
Copper	Total (wet weight)	ug/g		0.33	0.36	0.32	0.05
Iron	Total (wet weight)	ug/g		3.8	5.7	4.9	1
Lead	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g		0.2	0.2	0.2	0.1
Magnesium	Total (wet weight)	ug/g		264	252	256	1
Manganese	Total (wet weight)	ug/g		0.2	0.2	0.1	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		<0.05	<0.05	<0.05	0.1
Phosphorus	Total (wet weight)	ug/g		2250	2310	2280	0.5
Potassium	Total (wet weight)	ug/g		4390	4620	4440	5
Selenium	Total (wet weight)	ug/g		1.4	1.2	1.0	0.3
Silver	Total (wet weight)	ug/g		<0.08	<0.08	<0.07	0.2
Sodium	Total (wet weight)	ug/g		638	650	671	1
Strontium	Total (wet weight)	ug/g		0.23	0.16	0.097	0.02
Titanium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Vanadium	Total (wet weight)	ug/g		<0.08	<0.08	0.1	0.1
Zinc	Total (wet weight)	ug/g		7.35	4.80	4.66	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.61	0.56	0.53	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**642807**
Control Number:	L009766
Date Received:	Sep 17, 2008
Date Reported:	Sep 29, 2008
Report Number:	1150502

			Reference Number	642807-31	642807-32	642807-33	
			Sample Date	Aug 20, 2008	Aug 20, 2008	Aug 20, 2008	
			Sample Location				
			Sample Description	Site-R1 SS1 / Rose Creek	Site-R1 SS2 / Rose Creek	Site-R1 SS3 / Rose Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		18	21	29.2	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		2.22	2.79	3.19	0.03
Beryllium	Total (wet weight)	ug/g		<0.008	<0.008	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Calcium	Total (wet weight)	ug/g		9850	9790	9600	2
Chromium	Total (wet weight)	ug/g		0.02	0.035	0.042	0.04
Cobalt	Total (wet weight)	ug/g		0.06	0.05	0.06	0.05
Copper	Total (wet weight)	ug/g		0.86	0.83	0.81	0.05
Iron	Total (wet weight)	ug/g		37.6	38.7	60.8	1
Lead	Total (wet weight)	ug/g		0.2	0.1	0.1	0.3
Lithium	Total (wet weight)	ug/g		1.8	1.8	1.8	0.1
Magnesium	Total (wet weight)	ug/g		316	310	301	1
Manganese	Total (wet weight)	ug/g		18.3	24.3	18.3	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		0.32	0.2	0.30	0.1
Phosphorus	Total (wet weight)	ug/g		6520	6560	6000	0.5
Potassium	Total (wet weight)	ug/g		2820	2940	2860	5
Selenium	Total (wet weight)	ug/g		0.94	0.93	0.84	0.3
Silver	Total (wet weight)	ug/g		<0.08	<0.08	<0.07	0.2
Sodium	Total (wet weight)	ug/g		1040	1030	1040	1
Strontium	Total (wet weight)	ug/g		14.4	13.9	13.7	0.02
Titanium	Total (wet weight)	ug/g		0.31	0.41	0.76	0.05
Vanadium	Total (wet weight)	ug/g		0.2	0.1	0.07	0.1
Zinc	Total (wet weight)	ug/g		29.1	25.6	30.8	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.63	0.58	0.58	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**642807**
Control Number:	L009766
Date Received:	Sep 17, 2008
Date Reported:	Sep 29, 2008
Report Number:	1150502

			Reference Number	642807-34	642807-35	642807-36	
			Sample Date	Aug 20, 2008	Aug 20, 2008	Aug 18, 2008	
			Sample Location				
			Sample Description	Site-R1 SS4 / Rose Creek	Site-R1 SS5 / Rose Creek	Site-R2 SS1 / Rose Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		17	16	19	1
Antimony	Total (wet weight)	ug/g		<0.2	0.27	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		0.2	<0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		3.81	2.64	2.26	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Calcium	Total (wet weight)	ug/g		12300	9910	11800	2
Chromium	Total (wet weight)	ug/g		<0.02	0.030	0.032	0.04
Cobalt	Total (wet weight)	ug/g		0.03	0.03	0.1	0.05
Copper	Total (wet weight)	ug/g		0.82	0.82	0.68	0.05
Iron	Total (wet weight)	ug/g		37.9	31.8	57.9	1
Lead	Total (wet weight)	ug/g		0.2	0.2	0.2	0.3
Lithium	Total (wet weight)	ug/g		2.2	1.8	2.1	0.1
Magnesium	Total (wet weight)	ug/g		329	336	330	1
Manganese	Total (wet weight)	ug/g		27.5	17.9	62.4	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		0.2	0.52	0.39	0.1
Phosphorus	Total (wet weight)	ug/g		7500	6620	7460	0.5
Potassium	Total (wet weight)	ug/g		2730	2970	2930	5
Selenium	Total (wet weight)	ug/g		0.83	0.88	1.4	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g		1030	986	1120	1
Strontium	Total (wet weight)	ug/g		18.2	14.3	11.1	0.02
Titanium	Total (wet weight)	ug/g		0.39	0.40	0.40	0.05
Vanadium	Total (wet weight)	ug/g		<0.07	<0.07	0.2	0.1
Zinc	Total (wet weight)	ug/g		40.0	35.2	40.6	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.56	0.63	0.63	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**642807**
Control Number:	L009766
Date Received:	Sep 17, 2008
Date Reported:	Sep 29, 2008
Report Number:	1150502

			Reference Number	642807-37	642807-38	642807-39	
			Sample Date	Aug 18, 2008	Aug 18, 2008	Aug 18, 2008	
			Sample Location				
			Sample Description	Site-R2 SS2 / Rose Creek	Site-R2 SS3 / Rose Creek	Site-R2 SS4 / Rose Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		34.4	262	12	1
Antimony	Total (wet weight)	ug/g		0.29	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		0.2	0.2	<0.1	0.2
Barium	Total (wet weight)	ug/g		2.10	3.32	1.62	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	0.008	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.25	0.5
Cadmium	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Calcium	Total (wet weight)	ug/g		13400	9280	9890	2
Chromium	Total (wet weight)	ug/g		0.072	0.812	<0.02	0.04
Cobalt	Total (wet weight)	ug/g		0.05	0.30	0.04	0.05
Copper	Total (wet weight)	ug/g		0.78	1.3	0.89	0.05
Iron	Total (wet weight)	ug/g		66.8	444	34.6	1
Lead	Total (wet weight)	ug/g		<0.1	0.59	<0.1	0.3
Lithium	Total (wet weight)	ug/g		2.5	2.1	1.8	0.1
Magnesium	Total (wet weight)	ug/g		366	433	313	1
Manganese	Total (wet weight)	ug/g		41.2	45.2	34.0	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		0.43	1.3	0.63	0.1
Phosphorus	Total (wet weight)	ug/g		7960	5890	6370	0.5
Potassium	Total (wet weight)	ug/g		2920	2910	2750	5
Selenium	Total (wet weight)	ug/g		0.73	0.74	0.94	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.08	<0.07	0.2
Sodium	Total (wet weight)	ug/g		1160	1030	1120	1
Strontium	Total (wet weight)	ug/g		11.7	7.75	9.31	0.02
Titanium	Total (wet weight)	ug/g		0.92	7.98	0.2	0.05
Vanadium	Total (wet weight)	ug/g		0.38	0.85	0.2	0.1
Zinc	Total (wet weight)	ug/g		41.2	31.0	48.2	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	0.1	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.56	0.62	0.56	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

		Reference Number	642807-40	642807-41	642807-42	
		Sample Date	Aug 18, 2008	Aug 19, 2008	Aug 19, 2008	
		Sample Location				
		Sample Description	Site-R2 SS5 / Rose Creek	Site-R4 SS1 / Rose Creek	Site-R4 SS2 / Rose Creek	
		Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total						
Aluminum	Total (wet weight)	ug/g	8.4	11	11	1
Antimony	Total (wet weight)	ug/g	0.28	0.27	0.27	0.5
Arsenic	Total (wet weight)	ug/g	<0.1	0.2	<0.1	0.2
Barium	Total (wet weight)	ug/g	1.57	3.96	3.91	0.03
Beryllium	Total (wet weight)	ug/g	<0.007	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g	<0.25	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g	<0.02	0.04	<0.02	0.05
Calcium	Total (wet weight)	ug/g	12500	16800	17800	2
Chromium	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g	0.03	0.06	0.06	0.05
Copper	Total (wet weight)	ug/g	0.51	0.85	0.74	0.05
Iron	Total (wet weight)	ug/g	12	29.2	23	1
Lead	Total (wet weight)	ug/g	0.1	<0.1	0.2	0.3
Lithium	Total (wet weight)	ug/g	2.3	2.70	2.83	0.1
Magnesium	Total (wet weight)	ug/g	333	383	387	1
Manganese	Total (wet weight)	ug/g	22.3	30.1	63.4	0.3
Molybdenum	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g	0.2	0.31	0.42	0.1
Phosphorus	Total (wet weight)	ug/g	7700	8830	8890	0.5
Potassium	Total (wet weight)	ug/g	2690	2850	2880	5
Selenium	Total (wet weight)	ug/g	0.96	1.1	0.72	0.3
Silver	Total (wet weight)	ug/g	<0.07	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g	1120	1190	1150	1
Strontium	Total (wet weight)	ug/g	12.6	12.3	17.4	0.02
Titanium	Total (wet weight)	ug/g	0.06	0.2	0.2	0.05
Vanadium	Total (wet weight)	ug/g	0.2	0.2	0.1	0.1
Zinc	Total (wet weight)	ug/g	36.3	47.4	50.5	0.1
Zirconium	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g	0.54	0.46	0.63	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

		Reference Number	642807-43	642807-44	642807-45	
		Sample Date	Aug 19, 2008	Aug 19, 2008	Aug 19, 2008	
		Sample Location				
		Sample Description	Site-R4 SS3 / Rose Creek	Site-R4 SS4 / Rose Creek	Site-R4 SS5 / Rose Creek	
		Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total						
Aluminum	Total (wet weight)	ug/g	10	15	15	1
Antimony	Total (wet weight)	ug/g	0.30	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g	0.1	<0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g	2.53	4.54	3.12	0.03
Beryllium	Total (wet weight)	ug/g	<0.008	<0.008	<0.007	0.01
Bismuth	Total (wet weight)	ug/g	<0.2	<0.25	<0.2	0.5
Cadmium	Total (wet weight)	ug/g	<0.02	0.04	<0.02	0.05
Calcium	Total (wet weight)	ug/g	9620	14000	12600	2
Chromium	Total (wet weight)	ug/g	0.02	0.02	<0.02	0.04
Cobalt	Total (wet weight)	ug/g	<0.02	0.07	0.08	0.05
Copper	Total (wet weight)	ug/g	0.98	0.84	0.70	0.05
Iron	Total (wet weight)	ug/g	16	31.3	25.7	1
Lead	Total (wet weight)	ug/g	<0.1	0.2	0.2	0.3
Lithium	Total (wet weight)	ug/g	1.8	2.62	2.3	0.1
Magnesium	Total (wet weight)	ug/g	292	355	353	1
Manganese	Total (wet weight)	ug/g	28.0	66.2	71.0	0.3
Molybdenum	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g	0.33	0.42	0.2	0.1
Phosphorus	Total (wet weight)	ug/g	6210	8110	7870	0.5
Potassium	Total (wet weight)	ug/g	2590	2820	2800	5
Selenium	Total (wet weight)	ug/g	1.1	0.82	0.78	0.3
Silver	Total (wet weight)	ug/g	<0.08	<0.08	<0.07	0.2
Sodium	Total (wet weight)	ug/g	1050	1160	1040	1
Strontium	Total (wet weight)	ug/g	8.93	14.6	12.4	0.02
Titanium	Total (wet weight)	ug/g	0.2	0.30	0.34	0.05
Vanadium	Total (wet weight)	ug/g	0.08	0.1	0.1	0.1
Zinc	Total (wet weight)	ug/g	35.7	56.2	39.4	0.1
Zirconium	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g	0.56	0.61	0.60	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID: **642807**
Control Number: L009766
Date Received: Sep 17, 2008
Date Reported: Sep 29, 2008
Report Number: 1150502

		Reference Number	642807-46	642807-47	642807-48	
		Sample Date	Aug 19, 2008	Aug 19, 2008	Aug 19, 2008	
		Sample Location				
		Sample Description	Site-R8 SS1 / Anvil Creek	Site-R8 SS2 / Anvil Creek	Site-R8 SS3 / Anvil Creek	
		Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**	**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total						
Aluminum	Total (wet weight)	ug/g	34.5	11	17	1
Antimony	Total (wet weight)	ug/g	0.29	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g	<0.1	0.1	0.1	0.2
Barium	Total (wet weight)	ug/g	3.36	4.24	3.37	0.03
Beryllium	Total (wet weight)	ug/g	<0.007	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g	<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g	<0.02	0.04	0.06	0.05
Calcium	Total (wet weight)	ug/g	12700	18200	12500	2
Chromium	Total (wet weight)	ug/g	0.11	<0.02	0.030	0.04
Cobalt	Total (wet weight)	ug/g	0.05	0.05	0.03	0.05
Copper	Total (wet weight)	ug/g	0.84	0.80	1.0	0.05
Iron	Total (wet weight)	ug/g	47.5	22	36.9	1
Lead	Total (wet weight)	ug/g	<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g	2.4	3.09	2.3	0.1
Magnesium	Total (wet weight)	ug/g	367	390	362	1
Manganese	Total (wet weight)	ug/g	23.2	32.0	13.4	0.3
Molybdenum	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g	0.33	0.28	0.25	0.1
Phosphorus	Total (wet weight)	ug/g	7820	9620	7950	0.5
Potassium	Total (wet weight)	ug/g	2650	2730	2800	5
Selenium	Total (wet weight)	ug/g	1.0	1.0	1.2	0.3
Silver	Total (wet weight)	ug/g	<0.07	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g	1080	1220	1020	1
Strontium	Total (wet weight)	ug/g	10.8	12.5	10.7	0.02
Titanium	Total (wet weight)	ug/g	1.1	0.2	0.61	0.05
Vanadium	Total (wet weight)	ug/g	0.2	0.2	0.2	0.1
Zinc	Total (wet weight)	ug/g	34.6	38.8	28.6	0.1
Zirconium	Total (wet weight)	ug/g	<0.02	<0.02	<0.02	0.05
Thallium	Total (wet weight)	ug/g	0.49	0.44	0.60	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**642807**
Control Number:	L009766
Date Received:	Sep 17, 2008
Date Reported:	Sep 29, 2008
Report Number:	1150502

			Reference Number	642807-49	642807-50	642807-51	
			Sample Date	Aug 19, 2008	Aug 19, 2008	Aug 19, 2008	
			Sample Location				
			Sample Description	Site-R8 SS4 / Anvil Creek	Site-R8 SS5 / Anvil Creek	Site-V8 SS1 / Vangorda Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		28.4	16	64.2	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	0.1	0.1	0.2
Barium	Total (wet weight)	ug/g		3.29	2.76	3.33	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.007	<0.008	0.01
Bismuth	Total (wet weight)	ug/g		<0.25	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		0.03	0.04	0.1	0.05
Calcium	Total (wet weight)	ug/g		12400	11300	13800	2
Chromium	Total (wet weight)	ug/g		0.052	0.027	0.17	0.04
Cobalt	Total (wet weight)	ug/g		0.06	0.03	0.08	0.05
Copper	Total (wet weight)	ug/g		0.77	0.86	1.0	0.05
Iron	Total (wet weight)	ug/g		54.3	26.7	102	1
Lead	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.3
Lithium	Total (wet weight)	ug/g		2.2	2.0	2.59	0.1
Magnesium	Total (wet weight)	ug/g		353	348	410	1
Manganese	Total (wet weight)	ug/g		27.6	16.2	8.34	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		0.43	0.31	0.60	0.1
Phosphorus	Total (wet weight)	ug/g		7450	7280	8220	0.5
Potassium	Total (wet weight)	ug/g		2820	2860	2920	5
Selenium	Total (wet weight)	ug/g		1.2	1.2	1.7	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.07	<0.08	0.2
Sodium	Total (wet weight)	ug/g		1120	1090	1220	1
Strontium	Total (wet weight)	ug/g		10.2	9.04	15.5	0.02
Titanium	Total (wet weight)	ug/g		0.51	0.33	1.7	0.05
Vanadium	Total (wet weight)	ug/g		0.30	0.1	0.30	0.1
Zinc	Total (wet weight)	ug/g		35.6	28.3	37.9	0.1
Zirconium	Total (wet weight)	ug/g		0.03	<0.02	0.04	0.05
Thallium	Total (wet weight)	ug/g		0.50	0.59	0.59	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**642807**
Control Number:	L009766
Date Received:	Sep 17, 2008
Date Reported:	Sep 29, 2008
Report Number:	1150502

			Reference Number	642807-52	642807-53	642807-54	
			Sample Date	Aug 19, 2008	Aug 19, 2008	Aug 19, 2008	
			Sample Location				
			Sample Description	Site-V8 SS2 / Vangorda Creek	Site-V8 SS3 / Vangorda Creek	Site-V8 SS4 / Vangorda Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		54.7	85.6	41.3	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	0.36	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		3.72	3.10	2.83	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		0.35	0.1	0.1	0.05
Calcium	Total (wet weight)	ug/g		13600	12300	11600	2
Chromium	Total (wet weight)	ug/g		0.18	0.332	0.096	0.04
Cobalt	Total (wet weight)	ug/g		0.08	0.09	0.06	0.05
Copper	Total (wet weight)	ug/g		1.1	1.2	1.3	0.05
Iron	Total (wet weight)	ug/g		90.2	118	62.5	1
Lead	Total (wet weight)	ug/g		0.2	<0.1	0.1	0.3
Lithium	Total (wet weight)	ug/g		2.57	2.3	2.1	0.1
Magnesium	Total (wet weight)	ug/g		476	404	360	1
Manganese	Total (wet weight)	ug/g		9.62	9.16	6.62	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		3.58	5.16	1.4	0.1
Phosphorus	Total (wet weight)	ug/g		7840	7520	7280	0.5
Potassium	Total (wet weight)	ug/g		2770	2840	2950	5
Selenium	Total (wet weight)	ug/g		1.5	1.4	1.5	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g		1220	1110	1110	1
Strontium	Total (wet weight)	ug/g		14.9	14.2	13.0	0.02
Titanium	Total (wet weight)	ug/g		1.3	3.63	1.0	0.05
Vanadium	Total (wet weight)	ug/g		0.29	0.36	0.27	0.1
Zinc	Total (wet weight)	ug/g		56.2	39.8	39.4	0.1
Zirconium	Total (wet weight)	ug/g		0.06	0.05	<0.02	0.05
Thallium	Total (wet weight)	ug/g		0.56	0.50	0.55	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID:	**642807**
Control Number:	L009766
Date Received:	Sep 17, 2008
Date Reported:	Sep 29, 2008
Report Number:	1150502

			Reference Number	642807-55	642807-56	642807-57	
			Sample Date	Aug 19, 2008	Aug 20, 2008	Aug 20, 2008	
			Sample Location				
			Sample Description	Site-V8 SS5 / Vangorda Creek	Site-B1 SS1 / Blind Creek	Site-B1 SS2 / Blind Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		38.3	27.6	36.9	1
Antimony	Total (wet weight)	ug/g		0.30	<0.2	<0.2	0.5
Arsenic	Total (wet weight)	ug/g		<0.1	<0.1	<0.1	0.2
Barium	Total (wet weight)	ug/g		3.35	5.54	3.78	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.25	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		0.2	0.1	0.2	0.05
Calcium	Total (wet weight)	ug/g		14400	12500	10500	2
Chromium	Total (wet weight)	ug/g		0.11	0.22	0.084	0.04
Cobalt	Total (wet weight)	ug/g		0.05	0.05	0.07	0.05
Copper	Total (wet weight)	ug/g		0.80	0.77	0.82	0.05
Iron	Total (wet weight)	ug/g		65.0	40.2	65.7	1
Lead	Total (wet weight)	ug/g		0.2	0.2	0.2	0.3
Lithium	Total (wet weight)	ug/g		2.63	2.3	2.0	0.1
Magnesium	Total (wet weight)	ug/g		389	355	345	1
Manganese	Total (wet weight)	ug/g		7.75	8.73	9.02	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		0.57	0.2	0.27	0.1
Phosphorus	Total (wet weight)	ug/g		8330	7360	6690	0.5
Potassium	Total (wet weight)	ug/g		2790	2600	2910	5
Selenium	Total (wet weight)	ug/g		1.6	1.2	1.5	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g		1210	1130	1190	1
Strontium	Total (wet weight)	ug/g		15.8	16.7	13.1	0.02
Titanium	Total (wet weight)	ug/g		1.1	0.73	1.1	0.05
Vanadium	Total (wet weight)	ug/g		0.2	0.2	0.2	0.1
Zinc	Total (wet weight)	ug/g		53.5	24.2	26.6	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	<0.02	0.03	0.05
Thallium	Total (wet weight)	ug/g		0.50	0.49	0.56	0.3

Bodycote TESTING GROUP

Analytical Report

Bill To:	White Mountain Environmental	Project:	
Report To:	White Mountain Environmental	ID:	Faro Aquatics
	PO Box 10140	Name:	
	Whitehorse, YT, Canada	Location:	
	Y1A 7A1	LSD:	
Attn:	Paul Sparling	P.O.:	
Sampled By:		Acct code:	
Company:			

Lot ID: **642807**
Control Number: L009766
Date Received: Sep 17, 2008
Date Reported: Sep 29, 2008
Report Number: 1150502

			Reference Number	642807-58	642807-59	642807-60	
			Sample Date	Aug 20, 2008	Aug 20, 2008	Aug 20, 2008	
			Sample Location				
			Sample Description	Site-B1 SS3 / Blind Creek	Site-B1 SS4 / Blind Creek	Site-B1 SS5 / Blind Creek	
			Matrix	Tissue	Tissue	Tissue	
Analyte		**Units**		**Results**	**Results**	**Results**	Nominal Detection Limit
Metals Total							
Aluminum	Total (wet weight)	ug/g		21	33.2	41.8	1
Antimony	Total (wet weight)	ug/g		<0.2	<0.2	0.26	0.5
Arsenic	Total (wet weight)	ug/g		0.2	0.2	<0.1	0.2
Barium	Total (wet weight)	ug/g		5.70	7.14	4.82	0.03
Beryllium	Total (wet weight)	ug/g		<0.007	<0.007	<0.007	0.01
Bismuth	Total (wet weight)	ug/g		<0.2	<0.2	<0.2	0.5
Cadmium	Total (wet weight)	ug/g		0.05	0.07	0.06	0.05
Calcium	Total (wet weight)	ug/g		13500	12600	10300	2
Chromium	Total (wet weight)	ug/g		0.035	0.047	0.087	0.04
Cobalt	Total (wet weight)	ug/g		0.05	0.04	0.05	0.05
Copper	Total (wet weight)	ug/g		1.9	1.0	0.86	0.05
Iron	Total (wet weight)	ug/g		36.6	57.5	65.4	1
Lead	Total (wet weight)	ug/g		<0.1	0.2	0.2	0.3
Lithium	Total (wet weight)	ug/g		2.50	2.3	1.9	0.1
Magnesium	Total (wet weight)	ug/g		354	383	374	1
Manganese	Total (wet weight)	ug/g		10.5	14.2	9.30	0.3
Molybdenum	Total (wet weight)	ug/g		<0.02	<0.02	<0.02	0.05
Nickel	Total (wet weight)	ug/g		3.47	1.1	0.59	0.1
Phosphorus	Total (wet weight)	ug/g		7980	7570	6390	0.5
Potassium	Total (wet weight)	ug/g		2840	2890	3470	5
Selenium	Total (wet weight)	ug/g		1.2	1.4	1.3	0.3
Silver	Total (wet weight)	ug/g		<0.07	<0.07	<0.07	0.2
Sodium	Total (wet weight)	ug/g		1190	1120	987	1
Strontium	Total (wet weight)	ug/g		18.2	17.5	13.9	0.02
Titanium	Total (wet weight)	ug/g		0.46	1.0	1.5	0.05
Vanadium	Total (wet weight)	ug/g		0.1	0.2	0.2	0.1
Zinc	Total (wet weight)	ug/g		29.5	26.4	21.7	0.1
Zirconium	Total (wet weight)	ug/g		<0.02	0.03	0.04	0.05
Thallium	Total (wet weight)	ug/g		0.48	0.43	0.41	0.3

Approved by: Andrew Garrard

Andrew Garrard, BSc
Operations Manager

Bodycote TESTING GROUP

Methodology and Notes

Bill To:	White Mountain Environmental	Project:		Lot ID:	**642807**
Report To:	White Mountain Environmental	ID:	Faro Aquatics	Control Number:	L009766
	PO Box 10140	Name:		Date Received:	Sep 17, 2008
	Whitehorse, YT, Canada	Location:		Date Reported:	Sep 29, 2008
	Y1A 7A1	LSD:		Report Number:	1150502
Attn:	Paul Sparling	P.O.:			
Sampled By:		Acct code:			
Company:					

Method of Analysis

Method Name	Reference		Method	Date Analysis Started	Location
Metals (Total) wet weight	US EPA	*	Metals & Trace Elements by ICP-AES, 6010B	25-Sep-08	BTG Surrey

** Bodycote method(s) based on reference method*

References

US EPA US Environmental Protection Agency Test Methods

Comments:

Please direct any inquiries regarding this report to our Client Services group.
Results relate only to samples as submitted.

Faro Aquatics 2008 Metal Sample Data sheet

	Fork Lgth	Rnd Wt	Sex/Mat	Stomach	contents
Site R-1 Rose Creek		Slimy Sculpin			
range 61 to 93 mm, 2.6 to 9.9 gms					
ss#1	93	9.9			
ss#2	82	5.6			
ss#3	81	5.6			
ss#4	75,61	5.0, 2.6			
ss#5	69, 66	3.6, 3.0			
Site R-1 Rose Creek		Arctic Grayling			
range=291 to341 mm, 254 to 419 gms					
ag#1	341	419	M7	F=20	12 terr ins, 8 cad
ag#2	312	332	M7	F=20	15 cad, 4 ter ins, 1 stone fly
ag#3	291	254	F1	F=20	15 cad, 3 salmon eggs, 1 ant, tr ter ins
ag#4	294	267	F1	F=10	8 cad, 2 ter ins
ag#5	316	273	F1	F=10	4 cad, 5 ter ins, 1 ant
				total 80	
cad = 62.5%, ter ins= 30%. Salm eggs=3.8%, ants=2.5%					
Site R-2 Rose Creek		Slimy Sculpin			
range 91 to102 mm, 8.1 to 13.2 gms					
ss#1	101	13.2			
ss#2	102	10.3			
ss#3	93	8.6			
ss#4	91	8.1			
ss#5	96	9.8			
Site R-2 Rose Creek Arctic grayling					
range 306 to 364 mm, 330 to 480 gms					
ag#1	335	480	F2	F=20	16 cad, 2 ter ins, 1 ant, 1 red worm
ag#2	306	330	M7	F=15	15 cad
ag#3	364	438	M7	F=20	19 cad, 1 ant
ag#4	325	333	F2	F=20	10 cad, 2 ant, 8 ter ins, tr red worm
ag#5	328	359	F1	F=20	10 cad, 10 ter ins, tr ant
				total 95	
cad=73.7%, terestrial insects=21.1%, ants= 4.2%, red worm= 1.1%					
Site R-4 Rose Creek Slimy Sculpin					
range 65 to 89 mm, 3.2 to 7.2 gms					
ss#1	89	7.1			
ss#2	88	7.2			
ss#3	75,65	5.3, 3.2			
ss#4	85	6.5			
ss#5	76,75	5.5, 4.5			
Site R-4 Rose Creek Arctic grayling					
range 285 to 337 mm, 233 to 417 gms					
ag#1	337	417	M7	F=10	6 cad, 3 ter ins, 1 benthic
ag#2	297	292	F2	F=10	8 cad, 2 ter ins, tr benthic
ag#3	312	297	F2	F=10	9 cad, 1 ter ins

ag#4	308	280	M6	F=15	10 cad, 5 ter ins
ag#5	285	233	F1	F=10	8 cad, 1 ter in, 1 benthic
				total 55	

caddis fly=74.5%, ter ins= 21.8%, benthic= 3.6%

Site R6a Anvil Creek Slimy Sculpin

range 86 to 108 mm, 7.0 to 11.6 gms

ss#1	95	9.3
ss#2	91	8.3
ss#3	76,65	5.1,2.6
ss#4	83, 65	5.7, 2.8
ss#5	72,71	4.4, 4.0

Site R-6a Anvil Creek Arctic grayling

range 285 to 351 mm, 245 to 509 gms

ag#1	347	484	F2	F=20	15 cad, 4 ter ins, 1 benthic
ag#2	318	367	F2	F=15	15 cad
ag#3	285	245	F2	F=20	18 cad, 2 benthic
ag#4	318	337	M7	F=20	15 cad, 3 ter ins, 2 benthic
ag#5	351	509	M7	F=15	15 cad
				total 90	

caddis fly=86.7%, ter ins= 7.8%, Benthic=5.5%

Site V-8 Vangorda Creek Slimy Sculpin

range 57 to 69 mm, 2.0 to 4.0 gms

ss#1	69,62	3.2,2.7
ss#2	61,62	4.0, 2.5
ss#3	63,59	2.8, 2.5
ss#4	66,60	3.4,2.1
ss#5	57,68,60	2.0,2.1,2.0

Site V-8 Vangorda Creek Arctic grayling

range 286 to 322 mm, 219 to 324 gms

ag#1	318	324	M7	F=10	10 cad
ag#2	295	258	F2	F=5	2 cad, 2 ants, 1 terr ins
ag#3	321	296	F2	F=15	9 cad, 5 stone fly, 1 btl
ag#4	322	312	M7	F=15	7 cad, 4 spr btl, 3 gr catpil, 1 ant
ag#5	286	219	M7	F=15	10 cad, 5 ter ins
				Total 60	

caddis fly =63.3%, terr. Insects= 23.3%, ants=5%, btls 8.3%

Site B-1 Blind Creek Slimy Sculpin

range 55 to 71mm, 1.8 to 4.2 gms

ss#1	71,61	4.2,2.4
ss#2	68,59	3.6, 2.0
ss#3	72,57	4.0,1.8
ss#4	68,63	3.4,2.6
ss#5	66,57,55	3.2,1.8,1.8

Site B-1 Blind Creek Arctic grayling

range 272 to 342 mm, 204 to 396 gms

ag#1	320	299	F2	F=10	9 cad, 1 ter ins

ag#2	318	323	M7	F=15	10 ss, 4 cad, 1 ter ins
ag#3	323	358	F2	F=5	5 cad
ag#4	314	330	M7	F=15	15 cad
ag#5	328	398	F2	F=20	15 salm egg, 5 gravel
				total 65	

salmon eggs=23.1%, caddis fly=50.8%, slimy sculpin=15.4%, ter ins= 3.1%, gravel 7.7%

2008: Faro Aquatic Effects Minnow Trapping Catch Records

	date set	date lift	time set	time lift	soak time	Catch s. sculpin	A.grayling	burbot	jcs	JCS +1	CPU s. sculpin	A.grayling	burbot	jcs	JCS +1
Location: R4 Rose Creek confluence with Anvil Creek															
Trap # 1	no traps set at R4 in 2008														
Trap # 2															
Trap # 3															
Trap # 4															
Trap # 5															
Trap # 6															
Trap # 7															
Trap # 8															
Trap # 9															
										Average	#DIV/0!	#DIV/0!			

	date set	date lift	time set	time lift	soak time	Catch s. sculpin	A.grayling	burbot	jcs	JCS +1	CPU s. sculpin	A.grayling	burbot	jcs	JCS +1
Location: R8a Anvil Creek															
Trap # 1	no traps set at R8 during 2008														
Trap # 2															
Trap # 3															
Trap # 4															
Trap # 5															
Trap # 6															
Trap # 7															
Trap # 8															
Trap # 9															
										Average	#DIV/0!				

	date set	date lift	time set	time lift	soak time	s. sculpin	A.grayling	burbot	jcs	JCS +1	CPU s. sculpin	A.grayling	burbot	jcs	JCS +1
Location: V8 Vangorda Creek															
Trap #1	17/08	18/08	19:45	16:10	20.35	0			3					3.54	
Trap #2	17/08	18/08	19:45	16:10	20.35	0			0					0.00	
Trap #3	17/08	18/08	19:45	16:15	20.5	0			0					0.00	
Trap #4	17/08	18/08	19:50	16:15	20.35	0			0					0.00	
Trap #5	17/08	18/08	19:55	16:25	20.5	0			0					0.00	
Trap #6	17/08	18/08	19:55	16:25	20.5	0			2					1.17	
Trap #7	17/08	18/08	20:00	16:25	20.35	0			0					0.00	
Trap #8	17/08	18/08	20:00	16:30	20.5	0			0					0.00	
Trap #9	17/08	18/08	20:10	16:40	20.5	0			0					0.00	
									0.555556	Average				0.52	

	date set	date lift	time set	time lift	soak time	s. sculpin	A.grayling	burbot	jcs	JCS +1	CPU s. sculpin	A.grayling	burbot	jcs	JCS +1
Location: V8 Vangorda Creek: Additional traps set for slimy sculpin d/stream of bridge															
Trap #1	17/08	18/08	20:30	17:25	21:36				1					1.15	
Trap #2	17/08	18/08	20:30	17:20	21:36				12					13.78	
Trap #3	17/08	18/08	20:35	17:25	21:36				4					4.59	
Trap #4	17/08	18/08	20:40	17:20	21:36				4					4.59	
Trap #5	17/08	18/08	20:45	17:15	21:36				7					8.05	
Trap #6	17/08	18/08	20:50	17:05	21:36				17					19.55	
Trap #7	17/08	18/08	21:00	17:00	21:36				5					5.75	
									7.142857	Average				8.21	
									50						

	date set	date lift	time set	time lift	soak time	s. sculpin	A.grayling	burbot	jcs	JCS +1	CPU s. sculpin	A.grayling	burbot	jcs	JCS +1
Location: R1															
Trap # 1	16/08	17/08	14:55	10:00	19.10	0	0				0.00	0.00			
Trap # 2	16/08	17/08	14:55	10:05	19.20	0	0				0.00	0.00			
Trap # 3	16/08	17/08	15:00	10:05	19.10	0	0				0.00	0.00			
Trap # 4	16/08	17/08	15:05	10:15	19.20	0	0				0.00	0.00			
Trap # 5	16/08	17/08	15:10	10:20	19.20	0	0				0.00	0.00			
Trap # 6	16/08	17/08	15:15	10:30	19.25	0	0				0.00	0.00			
Trap # 7	16/08	17/08	15:20	10:40	19.50	0	0				0.00	0.00			
Trap # 8	16/08	17/08	15:20	10:40	19.35	0	0				0.00	0.00			
Trap # 9	16/08	17/08	15:25	10:45	19.35	0	0				0.00	0.00			
										Average	0.00	0.00	0.00	0.00	0.00

	date set	date lift	time set	time lift	soak time	s. sculpin	A.grayling	burbot	jcs	JCS +1	CPU s. sculpin	A.grayling	burbot	jcs	JCS +1
Location: R2															
Trap #1	16/08	17/08	11:00	17:00	30.00	0	0	0			0.00	0.00	0.00		
Trap #2	16/08	17/08	11:05	17:00	29.90	0	0	0			0.00	0.00	0.00		
Trap #3	16/08	17/08	11:15	17:05	29.80	0	0	1			0.00	0.00	0.81		
Trap #4	16/08	17/08	11:20	17:05	29.75	1	0	0			0.81	0.00	0.00		
Trap #5	16/08	17/08	11:25	16:45	29.65	0	1	0			0.00	0.81	0.00		
Trap #6	16/08	17/08	11:30	16:45	29.25	0	0	0			0.00	0.00	0.00		
Trap #7	16/08	17/08	11:35	16:50	29.45	0	0	0			0.00	0.00	0.00		
Trap #8	16/08	17/08	11:40	16:55	29.45	0	0	0			0.00	0.00	0.00		
Trap #9	16/08	17/08	11:50	16:55	29.10	0	0	0		Average	0.10	0.10	0.10		

	date set	date lift	time set	time lift	soak time	s. sculpin	A.grayling	burbot	jcs	JCS +1	CPU s. sculpin	CPU A.grayling	CPU burbot	CPU jcs	CPU JCS +1
Location: Blind Creek															
Trap #1	19/08	20/08	19:30	11:20	15.8	0		0	3	0	0.00		0.00	4.56	0.00
Trap #2	19/08	20/08	19:30	11:20	15.8	1		0	3	0	1.52		0.00	4.56	0.00
Trap #3	19/08	20/08	19:30	lost		0		0	0	0	0.00		0.00	0.00	0.00
Trap #4	19/08	20/08	19:30	11:20	15.8	0		0	4	0	0.00		0.00	6.08	0.00
Trap #5	19/08	20/08	19:30	11:20	15.8	0		0	0	0	0.00		0.00	0.00	0.00
Trap #6	19/08	20/08	19:30	11:20	15.8	0		0	7	0	0.00		0.00	10.63	0.00
Trap #7	19/08	20/08	19:35	11:35	16	0		0	6	0	0.00		0.00	9.00	0.00
Trap #8	19/08	20/08	19:40	11:40	16	0		0	25	0	0.00		0.00	37.50	0.00
Trap #9	19/08	20/08	19:45	11:45	16	0		0	7	0	0.00		0.00	10.50	0.00
Trap #10	19/08	20/08	19:50	11:50	16	0		0	9	0	0.00		0.00	13.50	0.00
Trap #11	19/08	20/08	19:55	11:55	16	0		1	11	1	0.00		1.50	16.50	1.50
Trap #12	19/08	20/08	19:55	12:10	16.25	1		0	19	0	1.50		0.00	28.50	0.00
Trap #13	19/08	20/08	19:55	12:10	16.25	1		0	21	0	1.50		0.00	31.50	0.00
Trap #14	19/08	20/08	20:00	12:15	16.25	0		0	17	0	0.00		0.00	25.50	0.00
Trap #15	19/08	20/08	20:05	12:20	16.25	0		1	0	0	0.00		1.50	0.00	0.00
Trap #16	19/08	20/08	20:05	12:20	16.25	0		0	13	0	0.00		0.00	19.50	0.00
Trap #17	19/08	20/08	20:05	11:50	15.75	0		0	7	0	0.00		0.00	10.50	0.00
Trap #18	19/08	20/08	20:05	11:50	15.75	0		0	8	1	0.00		0.00	12.00	1.50
						0.166667		0.111111	8.888889	Average	0.25		0.17	13.35	0.17
									160						

	date set	date lift	time set	time lift	soak time	s. sculpin	A.grayling	burbot	jcs	JCS +1	CPU s. sculpin	CPU A.grayling	CPU burbot	CPU jcs	CPU JCS +1
Location: Blind Creek 2															
Trap #1	19/08	20/08	20:15	12:45	16.50				14					20.30	
Trap #2	19/08	20/08	20:15	12:45	16.50				13					18.90	
Trap #3	19/08	20/08	20:20	12:45	16.40			1	10	2			1.45	14.50	2.90
Trap #4	19/08	20/08	20:20	12:40	16.35				2					2.90	
Trap #5	19/08	20/08	20:15	12:30	16.25			1	25				1.45	36.25	
Trap #6	19/08	20/08	20:15	12:30	16.25				4					5.80	
Trap #7	19/08	20/08	20:20	12:20	16				1					1.45	
Trap #8	19/08	20/08	20:25	12:25	16				26	9				37.70	12.96
Trap #9	19/08	20/08	20:30	12:30	16				8					11.60	
										Average					
									103						