

Peace Project Water Use Plan

Fish Index

Implementation Year 6

Reference: GMSMON #2

Peace River Fish Index Project – 2013 Studies

Study Period: August 26, 2013– September 26, 2013

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PEACE RIVER FISH INDEX PROJECT

- 2013 STUDIES -

Prepared for

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EXECUTIVE SUMMARY

In 2001, BC Hydro initiated the Large River Fish Community Indexing Program to help define the effects of dam and reservoir operations on fish populations in flow regulated watersheds and to ensure operations are both environmentally and economically sustainable. The goal of the annual program was to establish cost-effective monitoring protocols to provide reliable indices of fish population characteristics. In 2008, the Large River Fish Community Indexing Program for the Peace River subsequently referred to as the Peace River Fish Index Project (GMSMON-2), was implemented under the Peace Water Use Plan (WUP). The 2013 monitoring program represents year 6 of the 10 year GMSMON-2 monitoring program. The goal of the Fish Index Project shifted from evaluating monitoring protocols to monitoring target fish populations to assist in the evaluation of the effectiveness of Peace River management plans and associated physical works projects implemented under the WUP.

The 2013 Peace River Fish Index Project study area encompassed a 92 km portion of the Peace River from just downstream of the Peace Canyon Dam to downstream of the Moberly River confluence. Repeated sampling (six sessions) in three sections (1, 3, and 5) occurred from 24 August to 26 September, 2013 using a boat electrofisher in nearshore habitats. Field sampling conditions (i.e., discharge, water clarity, and water temperature) were generally similar to conditions during previous studies. All were within the range recorded since 2001 and did not adversely affect sampling effectiveness.

General fish community characteristics in 2013 were similar to results of previous investigations. In total, 10,954 fish representing 14 species were recorded. Mountain Whitefish was numerically dominant. The other two target species, Arctic Grayling and Bull Trout, were not abundant.

Arctic Grayling

Arctic Grayling numbers were very low in 2013 and this species has become scarce in all sections. The limited biological data did not show a large shift in population structure that could explain reduced abundance, but there were some indicators of reduced health and low indices of recruitment. The decline in Arctic Grayling abundance may reflect natural variation in Arctic Grayling recruitment from Peace River tributaries, a change in Peace River conditions, or a combination of these and other unknown factors.

Bull Trout

Length and age distributions of Bull Trout were similar among sections in 2013. Fish from Age 2 to 5 dominated all samples – young fish were absent ($\leq$ Age 1) and fish older than Age 7 (adults) were not well represented. Bull Trout population structure and health was similar among sections in 2013 and were generally stable across years. Fish grew quickly and exhibited good health. During all sample years, age distributions were dominated by subadults, while adult fish were poorly represented. The absence of adult fish from index sections was likely caused by use of tributaries for spawning during the study period. As such, the results do not reflect the entire age structure of the Peace River Bull Trout population.

Bull Trout catch rates have been low in all sections during all sample years and there have been no large spatial differences in abundance. Age 3 Bull Trout were recruited into each section during all years of the study, but the recruitment index has generally been < 1.5 fish/km. Since 2009, there has been an annual increase in the recruitment index; however, there has not been a corresponding increase in Bull Trout catch rate or population size.

Mountain Whitefish

Changes to Mountain Whitefish population structure were recorded in 2013. Prior to 2011, there were consistent spatial differences in length and age distributions. Mountain Whitefish population structure in Section 1 was dominated by a preponderance of Age 3 to Age 6 fish, while younger and older fish were much less numerous. Section 3 and Section 5 contained a broader range of age classes resulting in multimodal length distributions. After 2011, population structures of Mountain Whitefish in Sections 3 and 5 became more similar to that of Section 1. This trend towards similar population structure continued in 2013 -- all sections exhibited truncated age and length distributions.

In 2013 length-at-age and body condition-at-age results indicated lower population health in Section 3 and Section 5 compared to Section 1. In particular, older fish exhibited reduced body condition. When compared to long term averages, length-at-age and body condition-at-age results indicated reduced Mountain Whitefish population health in all three sections. The majority were significantly lower than the long term average based on the 95% confidence intervals.

In 2013, there were no large spatial differences in Mountain Mountain Whitefish catch rates. This was inconsistent with findings by most other years when Mountain Whitefish catch rates were much higher in Section 1 compared to Section 3 and Section 5. Annual data indicated that Mountain Whitefish catch rate recorded in each of the three sections approached or was the lowest on record.

Annual recruitment of Age 1 Mountain Whitefish in Section 3 and Section 5 increased slightly in 2013 compared to the very low values recorded in 2012. There was zero recruitment of Age 1 Mountain Whitefish in Section 1.

Population Estimates

Overall, the program was highly successful (in terms of the number of marks applied and recaptured) for Mountain Whitefish, but less so for Bull Trout. Arctic Grayling were not recaptured; therefore, an estimate was not generated for this target species population. Bull Trout population estimates were 237 fish (CV = 23.6%) in Section 3 and 170 fish (CV = 51.4%) in Section 5. Estimates were generally consistent with values recorded by previous studies.

Bayes sequential model estimates for Mountain Whitefish were 13,693 (CV = 8.6%) in Section 1, 9,817 (CV = 4.4%) in Section 3, and 7,731 (CV = 6.0%) in Section 5. The section estimates in 2013 were much lower than estimates recorded in 2010 and 2011, but were consistent with the historical estimates deemed to be valid including the estimates for 2012.

Catchability

The estimated catchability coefficients were not consistent across sections in 2013 – coefficients in Sections 3 and 5 were similar to 2012, but were considered anomalously high compared to other years. Because the 2013 estimates were deemed valid in Sections 3 and 5, we believe that the biological characteristics of sampled Mountain Whitefish were likely unique for 2013 (and 2012). The reduced prevalence of larger-sized fish and/or reduced fish health may have caused higher catchability.

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Bill Gazey of W.J. Gazey Research was responsible for the population estimate component of the study and co-authored the report.

Triton Environmental Consultants Ltd. assisted the field program by providing the services of David Winarski.

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1.0 INTRODUCTION

1.1 BACKGROUND

In 2001, BC Hydro initiated the Large River Fish Community Indexing Program to help define the effects of dam and reservoir operations on fish populations in flow regulated watersheds and to ensure operations are both environmentally and economically sustainable. The program occurred annually from 2001 to 2007. During that period the goal of the program was to establish cost-effective monitoring protocols to provide reliable indices of fish population characteristics.

In 2008, the Large River Fish Community Indexing Program for the Peace River, subsequently referred to as the Peace River Fish Index Project (GMSMON-2), was implemented under the Peace Water Use Plan (WUP). The WUP Committee expressed concern about the status of fish habitat and fish productivity in the Peace River system. To address this concern, management plans are being implemented that include the Peace River (PCR) Side Channel Plan, the PCR Ramping Plan, and the PCR Flood Pulse Plan. Further information on the WUP and the management plans is available at the BC Hydro website http://www.bchydro.com/planning_regulatory/water_use_planning/northern_interior.html#Peace_River. The results of the Fish Index Project will assist in the evaluation of the effectiveness of Peace River management plans, designed to improve fish habitat and productivity, by monitoring target fish populations.

Mainstream Aquatics Ltd. (Mainstream) and its study team completed the Peace River fish index projects from 2001 to 2012. Mainstream was contracted by BC Hydro to complete the 2013 program. The 2013 study represents year 6 of the 10 year GMSMON-2 monitoring program. Similar to previous investigations the study team consisted of two primary members. Mainstream Aquatics Ltd. was the overall managing consultant and was responsible for the field program, the biological characteristics component, and relative abundance component of the study. W.J. Gazey Research was responsible for the population estimate component and related topics.

1.2 OBJECTIVES

The 2013 program objectives were as follows:

1. To extend time series data on the abundance, distribution, and biological characteristics of nearshore target fish populations in the Peace River in index sections using a standardized boat electrofishing sampling program.
2. To build upon previous investigations to further refine the sampling strategy, sampling methodology and analytical procedures required to establish a long term monitoring program for fish populations in the Peace River.
3. To update the existing electronic storage and retrieval system for fish population and habitat monitoring data for the Peace River.
4. To identify gaps in data and our understanding of fish populations, procedures for sampling them, and to provide recommendations for future monitoring and fisheries investigations.
5. Present the information in a technical report.

1.3 TARGET SPECIES

As with previous studies, three target species were investigated in 2013:

- Mountain Whitefish (*Prosopium williamsoni*)
- Arctic Grayling (*Thymallus arcticus*)
- Bull Trout (*Salvelinus confluentus*)

1.4 STUDY AREA

The study area was similar to previous programs (Figure 1.1). The study area included a 90 km portion of the Peace River from just downstream of the PCN Dam (Km 145) to downstream of the Moberly River confluence (Km 53). Sampling occurred in three standard sections: Section 1, Section 3, and Section 5 (Table 1.1; Appendix A).

Table 1.1 Standard sections of the 2013 Peace River Fish Index Project.

Area	Section	Location ^a	Section Length (km)	Sampled Length (m) ^b	Percent of Section Sampled ^c
Hudson's Hope	1	Km 137.0 to 145.2	8.2	12,574	56.5
Downstream of Halfway River	3	Km 89.8 to 99.2	9.4	19,948	67.1
Downstream of Moberly River	5	Km 53.4 to 64.8	11.4	14,183	51.8

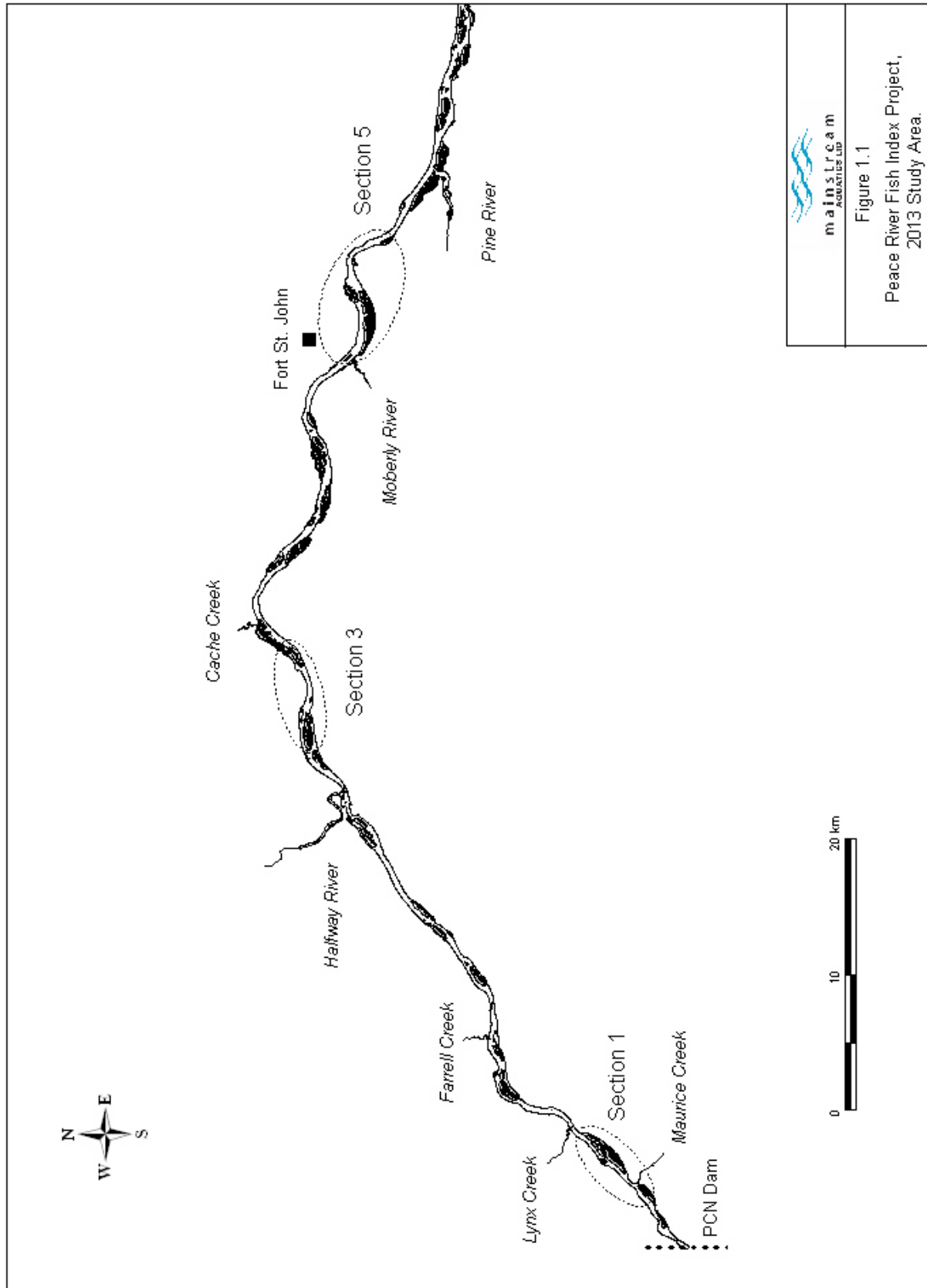
^a Based on distance upstream from the British Columbia/Alberta boundary (Km 0).

^b Length of nearshore habitat sampled in each section.

^c Percent of total nearshore habitat sampled in each section.

1.5 SAMPLE PERIOD

Sampling occurred during a 33 day window between 24 August and 26 September 2013.



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2.0 METHODS

2.1 FIELD PROGRAM

2.1.1 Approach

The 2013 field program repeated the approach used in past years of the index program to quantify fish numbers (relative abundance and population estimates) and biological characteristics of target fish populations in the Peace River. A fundamental requirement of the field program was to generate reliable population estimates for each of the target fish species. The field program was designed to address this requirement.

Sites

As for previous fish index studies, sites selected in 2002 based on habitat characteristics, accessibility, and presence of target fish species were sampled in 2013. The nearshore areas (i.e., river margins, generally 0.5 – 2.0 m depth) of fifteen discrete sites were sampled in each of standard Sections 1, 3, and 5 using a boat electrofisher (Table 2.1; Appendix Table A2). Standard sites ranged in length from 445 m to 1,840 m.

Table 2.1 Number and length of sites sampled in standard sections, 2013 Peace River Fish Index Project.

Section	Number of Sites	Length (m)		
		Average	Minimum	Maximum
1	15 ^a	838	445	1,092
3	15 ^b	1,330	855	1,840
5	15 ^b	946	582	1,171

^a Includes 9 SFC sites and 6 SFN sites; see Table 2.2 for definitions.

^b Includes 8 SFC sites and 7 SFN sites; see Table 2.2 for definitions.

Each standard site represented one of two distinct habitat categories (Table 2.2): nearshore habitat with physical cover (SFC) or nearshore habitat without physical cover (SFN). These habitat categories were selected for sampling during initial studies because they represented the two dominant habitat categories in the study area and could be effectively sampled using boat electrofisher (P&E and Gazey 2003). The SFC and SFN habitat categories were defined based on three physical characteristics: bank slope/depth, water velocity, and the presence of physical instream cover. The number and type of sites in standard sections were distributed as follows:

Section 1 - 9 SFC sites and 6 SFN sites
 Section 3 - 8 SFC sites and 7 SFN sites
 Section 5 - 8 SFC sites and 7 SFN sites

In 2012, Site 106 (SFN habitat) was no longer available for sampling; therefore, it was replaced with Site 119 (SFC habitat). The new site was selected based on its close proximity to Site 106. Site 119 was sampled in 2013.

Table 2.2 Site habitat categories and characteristics, 2013 Peace River Fish Index Project.

Habitat Category	Bank Habitat ^a	Instream Habitat	Water Velocity ^b	Bank Configuration ^b	Physical Cover	Dominant Substrate
SFN	A3	Run	Moderate to High	Gradual Slope/ Shallow Water	Absent	Rock
SFC	A1/A2	Run	Moderate to High	Gradual Slope/ Shallow Water	Present	Rock

^a Habitat types defined in RL&L (2001).

^b Based on subjective measure by experienced habitat biologist.

Effort

All activities occurred during daylight hours to ensure crew safety and to maximize the number of sites sampled and the number of fish processed. All sites in each section were sampled six times. The first four sessions were used to collect biological data from all fish species encountered and to mark and recapture target fish species. Sessions 5 and 6 focused on obtaining recapture data for the three target species, therefore, Mountain Whitefish were not marked or processed for biological data to maximize time spent sampling. In general, two days were required to sample each section during each of the first four sessions. During the last two sessions, each section was sampled completely in one day. In general there was a four-day rest period between sample events during Sessions 1 to 4 and a two-day rest period between Sessions 5 and 6. The distribution of sampling effort is summarized in Table 2.3. Unless otherwise indicated, ‘effort’ refers to time spent electrofishing throughout the report.

Table 2.3 Distribution of sampling effort (hours of electrofishing) in standard sections, 2013 Peace River Fish Index Project.

Section	Session and Effort (h)						Total
	1	2	3	4	5	6	
1	1.8	1.8	1.7	1.9	1.9	1.9	10.9
3	2.9	2.9	2.8	3.0	3.0	3.0	17.5
5	2.0	1.9	2.1	2.2	2.2	2.1	12.5
Total	6.8	6.6	6.6	7.1	7.0	7.0	40.9

2.1.2 Fish Capture Methods

A boat electrofisher was used to capture fish in nearshore habitats along the channel margin. Larger-sized fish were targeted (> 250 mm fork length) in water depths ranging from 0.5 to 2.0 m. Sampling was restricted to areas ≤ 2.0 m deep because boat electrofishing effectiveness on the Peace River is severely reduced beyond this depth.

A 5 m boat electrofisher propelled by a 175 Hp sport-jet inboard motor was used to sample fish. The craft was equipped with a fixed-boom anode system and Smith-Root Type VIA electrofisher system. Electrofisher settings were generally maintained at an amperage output of 3.0 to 4.5 A, pulsed DC current, and a frequency of 60 Hz. These settings were sufficient to immobilize all three target species and minimize injury rates of susceptible species such as Mountain Whitefish. The electrofisher settings were similar to those employed during previous studies.

The sampling procedure involved drifting downstream at motor idle along the channel margin, while outputting a continuous current of electricity. In general, boat position was maintained at a water depth of 1.25 m to 1.50 m by monitoring the depth with a sounder. The only instance when this sampling protocol changed occurred when backwater areas greater than two boat lengths were encountered. In these situations, the boat was turned into the backwater at its downstream end and the channel margin in the backwater area was sampled in an upstream direction.

Two netters positioned on a platform at the bow of the boat captured immobilized fish while the boat operator maintained the position of the craft along the channel margin. To provide a representative sample of the fish community netters were instructed not to bias their catch towards a particular species or fish size. Netters were equipped with nets having a diameter of 45 cm, a depth of 40 cm, and a mesh size of 5 cm. To facilitate capture of smaller fish, the bottom surface (40 cm^2) of each net had a mesh size of 1.5 cm. This mesh size allowed capture of fish to a minimum size of approximately 150 mm.

Netters were instructed to retrieve a random sample of immobilized fish of any species and size (> 150 mm) that were accessible from their netting position on the platform. To minimize the potential for electrofisher induced injury, no more than one fish was netted at a time and immobilized fish were removed from the water as quickly as possible and immediately placed into an onboard holding live well.

The only exception to the above sampling protocol occurred when a rare species or life stage was encountered. In this situation, the boat was turned towards the fish and netters made every effort to

capture the individual. This protocol was used to increase the probability that a rare species or life stage encountered in the field was recorded in the catch data. This protocol may cause an over estimate of the catch of a rare species or life stage, but the bias is constant because this sampling protocol is used consistently.

Upon completion of an electrofishing section, captured fish were enumerated, processed, and released. To avoid recapture of previously collected fish, processed fish were released near the middle of the sample site.

2.1.3 Observed Fish

A standardized approach to enumerate observed fish was used during the standard sampling program. Each netter was instructed to count un-netted fish ≥ 250 mm total length that were present in a defined observation zone at the bow of the boat electrofisher. Observations were restricted to three species: Arctic Grayling, Bull Trout, and Rainbow Trout. Observations of unique or rare species were also recorded. At the end of a sample site, each netter recorded the number of observed fish on a data record sheet. To minimize observer bias, netters were not coached and they were instructed not to compare results.

2.1.4 Processing Fish

All captured fish were held in a 230 L holding tank equipped with a water circulating system, which provided a water exchange rate of 19 L/min. During Sessions 1 through 4, data recorded for each fish included species, fork length (to the nearest 1 mm), weight (to the nearest 2 g), and presence of a tag, tag scar, or fin clip. An appropriate nonlethal ageing structure (Mackay *et al.* 1990) was collected from all unmarked individuals of the three target species. The first two rays of the right pectoral fin were collected from Bull Trout, while several scales situated immediately below the back third of the dorsal fin and above the lateral line were collected from Arctic Grayling and Mountain Whitefish. Sagittal otoliths were collected opportunistically from Mountain Whitefish that did not recover during sampling. Ageing structures were placed in labeled envelopes and air-dried before storage. All field data were entered electronically using a TDS Ranger handheld computer into a Microsoft® Excel spreadsheet. Quality assurance procedures included continuous monitoring of crew processing by other crew members, checks of fish measurements, and use of standardized data entry forms.

As part of the population estimate component of the study in the standard sections, individuals of target fish species ≥ 250 mm fork length in good condition were marked using Passive Integrated Transponder tags, or “PIT tags”. Tags were of the ISO type (134.2 kHz full-duplex), which have a 15 digit numeric

code. Tags, tag applicators, and tag readers were supplied by AVID Canada. After tag insertion, a Power Tracker VIII tag reader was used to record the numeric code. PIT tags used in 2005 were of the FECAVA type (125 kHz full duplex), which have a 10 digit alpha-numeric code. The Power Tracker VIII could read both PIT tag types. Prior to 2005, fish were marked with a uniquely numbered T-bar Floy tag (FD-94).

This fish processing procedure was modified during recapture Sessions 5 and 6 to shorten processing time. All captured fish were examined for the presence of a tag. For all marked Mountain Whitefish, tag numbers were recorded and fish were measured for fork length prior to release. Mountain Whitefish without tags were assigned a length category, enumerated, and released. Length categories were ≥ 250 mm fork length (taggable) and < 250 mm fork length (not taggable). All Arctic Grayling and Bull Trout were processed, tagged, and released.

2.1.5 Measured Parameters

In addition to fish capture and biological characteristics, other parameters measured during the standard program included the following:

- Date and time
- Effort (seconds/meters)
- Sample method settings
- Surface water conductivity (microsiemens) was measured using Hanna HI98311 EC/TDS meter ($\pm 2\%$ full scale).
- Surface water temperature was measured using Hanna HI98311 EC/TDS meter ($\pm 0.1^\circ\text{C}$)
- Water clarity (cm); using a secchi plate mounted on a pole (plate was 2.5 cm wide x 21 cm long partitioned into three equal sections of black, white, and black)
- Relative observer skill (high [1]; moderate [2]; low [3]; nil [4]).

The information was either processed and analyzed, or stored for future reference (Appendix B).

2.2 OFFICE PROGRAM

2.2.1 Age Data

Ages were obtained from all Arctic Grayling and Bull Trout collected during the program (unmarked and previously marked fish captured for the first time in 2013). For previously marked Bull Trout the absence of an ageing structure (pectoral fin ray) required use of age data obtained during previous studies.

The large number of Mountain Whitefish scales required use of a random subsample of ageing structures. A random number generator was used to select ageing structures from approximately 8% of

nonfloy-tagged Mountain Whitefish captured for the first time in 2013 (previously PIT-tagged and unmarked fish) in each section using the random number generator function in SPSS© software. Floy-tagged fish were not included due to strong, negative tag effects on growth (Mainstream and Gazey 2007). PIT-tagged fish were included due to the high percentage of marked fish present in the sample and the absence of a measurable tag effect (Mainstream and Gazey 2007).

Scale and fin ray structure preparation and ageing procedures followed those described in Mackay *et al.* (1990). Scales were immersed in water and cleaned if dirty, and then placed on a microscope slide for viewing using a dissecting microscope. Mounting procedures for Bull Trout fin rays followed Koch and Quist (2007). Fin rays were fixed in epoxy, sectioned with a jeweler's saw, and mounted on a slide for viewing under a dissecting microscope.

Three experienced individuals independently aged each structure for Mountain Whitefish, Arctic Grayling, and Bull Trout.

2.2.2 Standard Analytical Approach

Parameters used as monitoring tools included biological characteristics, catch rate (relative abundance), and population estimates. Methods are described below. Unless otherwise stated, statistical analyses followed procedures described in Sokal and Rohlf (1995).

General statistical protocols were as follows:

1. Statistical significance was accepted at $P \leq 0.05$.
2. Univariate statistical analyses were restricted to samples $n \geq 5$.
3. Data were transformed where appropriate to meet assumptions for parametric statistical analyses.
4. Nonparametric tests were used where assumptions for parametric statistical analyses could not be resolved.

2.2.3 Biological Characteristics

Biological characteristics examined included length and age distribution, body condition-at-age, length-at-age, growth rate, and mortality. When possible, data from individual sections were analyzed and presented separately due to spatial differences in biological characteristics (P&E and Gazey 2003; Mainstream and Gazey 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013). The only exception was analyses of Bull Trout data. For this species all sections were combined for annual comparisons. This approach was adopted because fish of this target species population are migratory and use the entire study area (Burrows *et al.* 2000) and the combined data reduced the issue of small sample

size. All age-related analyses were restricted to age data from Mountain Whitefish and Arctic Grayling that were not Floy-tagged during previous studies. These fish were excluded from all analyses due to the potential for negative tag effects (Mainstream and Gazey 2009).

Body Condition

Fulton's Condition Index (K), which is an index of the relationship between weight and length of fish, was used as a measure of fish health. To minimize potential problems associated with correlations between fish length and body condition (Cone 1989), samples were stratified by age for comparisons. Fulton's Condition Index formula was as follows:

$$\text{Condition } (K) = (Wt/L^3) \times 100,000$$

Where Wt represents weight (g) and L represents fork length (mm).

Length-at-Age and Growth Rate

Length-at-age relationships were described using the average length of each age-class with the von Bertalanffy growth equation (Busacker *et al.* 1990) as follows:

$$L_t = L_\infty [1 - e^{-K(t-t_0)}]$$

Where t represents the age of the fish in years from the starting time t_0 , maximum length equals L_∞ , K represents the growth coefficient, and e is the base of the natural logarithm. Growth curves were generated using Sigmaplot® 8.0.

Convergence was not possible using the von Bertalanffy growth equation for some samples. For these cases, a best-fit regression model was applied. A linear regression best described the age-length relationship of these samples as follows:

$$Y = a + bX$$

Where Y = fork length (mm), a = fork length intercept, b = slope, and X = age (years).

Mean length-at-age, growth rate, and the anabolic constant estimate were test variables used for comparisons of growth. The anabolic constant estimate is the product of the von Bertalanffy growth parameter (K) and the asymptotic length parameter L_∞ (Gallucci and Quinn 1979). Standard error of the anabolic constant estimate (ω) was calculated as follows:

$$SE\omega = \sqrt{(a^2 + c^2) \times (b^2 + d^2) + (2 \times e \times a \times b \times c \times d)}$$

Where SE_{ω} is the standard error of the anabolic constant, a is K , b is the standard error of K , c is L_{∞} , d is the standard error of L_{∞} , and e is the correlation coefficient between K and L_{∞} .

Annual comparisons of length-at-age were undertaken by examining the difference (mm), or change, between the mean length-at-age in the current year and the overall mean length-at-age. This approach was used to accommodate large differences in fish length between age classes. The overall mean length-at-age represented the mean length-at-age of the total sample for that species and age group collected in the standard section. For Bull Trout the estimate was generated using combined data from all sections. Confidence intervals around the difference estimate were generated following procedures described in Sokal and Rohlf (1995).

Mortality

A “catch curve” of annual mortality of sample populations was developed following Ricker (1975). To reduce the effects of random variations in recruitment, data for individual years were combined for all target species. To address small sample size, data for individual years and sections were combined for Bull Trout. The catch curve mortality approach requires the assumption that the population is in a state of equilibrium (Ricker 1975). This assumption was not tested; therefore, the catch curve results represent “crude” estimates of mortality.

An estimate of instantaneous total mortality (Z) was first calculated using least squares regression (age versus natural log number) based on the number of fish in fully vulnerable age classes (descending portion of the age distribution) and converted to survival ($S = e^{-Z}$). Annual mortality was presented based on $1-S$. Confidence intervals (95%) around the annual mortality estimate were calculated using the standard error of $Z * (t_{0.05}, n-2)$, where n equaled the number of age classes used to generate Z , and then converting the interval value using the same procedure as for Z .

2.2.4 Catch Rate

Catch rate was used to provide an index of fish abundance. Catch rate was calculated by dividing the number of fish enumerated by the distance sampled and represented as number of fish per kilometre. For Mountain Whitefish, the number of fish enumerated equaled the number of fish captured. For Arctic Grayling and Bull Trout, the number of fish enumerated equaled the number of fish captured plus the number of fish observed. The rationale for use of this approach is presented in Mainstream and Gazey (2004). For abundant species such as Mountain Whitefish, large observer bias and sampling error negates the benefit of including observed fish in the catch. For less abundant species, such as Arctic

Grayling and Bull Trout, observer bias and sampling error is reduced allowing use of the observed data without compromising sampling accuracy or precision.

The approach used for statistical analyses of catch rate data was dependent on the questions asked and the characteristics of the data. Based on findings by P&E (2002), P&E and Gazey (2003) catch rates were stratified by habitat type and section to reduce sample variation, and to address spatial differences in fish abundance. Catch rates for each habitat type were combined for annual comparisons. Section catch rates were calculated by adding individual habitat type estimates.

The standard deviation of the combined estimate was calculated as follows:

$$SD_{cp} = \sqrt{\left((a^2) - \left(\left(\left((b^2 + c^2) * d\right) + \left((e^2 + f^2) * g\right)\right) / (d + g)\right)\right)}$$

Where SD_{cp} is the standard error of the combined estimate, a is absolute value of the combined estimate, b is the estimate of CPUE A, c is the standard error of CPUE A, d is the sample size of CPUE A, e is the estimate of CPUE B, f is the standard error of CPUE B, g is the sample size of CPUE B.

The standard error was calculated as the standard deviation of the combined estimate divided by the square root of the combined sample size.

2.2.5 Index of Recruitment

An index of recruitment was developed for young fish of each target species. Age 0 fish were not effectively sampled by boat electrofisher. The next youngest age class that was regularly encountered in the sample was assumed to represent recruitment. The recruitment age classes used for the analyses were Age 1 for Arctic Grayling and Mountain Whitefish and Age 3 for Bull Trout.

The recruitment index (No. of fish/km) was calculated by dividing the total number of young fish recorded in a section by the total sampled length. Totals were used because low numbers of young fish precluded use of the standard approach (i.e., catch per unit effort by site within each section).

All Age 1 Arctic Grayling and Age 3 Bull Trout collected during the program were aged, and therefore, were available for analysis. A random subsample of Mountain Whitefish was aged. The length data collected from the entire sample was converted to age data using the age-length key procedure described in Isely and Grabowski (2007). The age-length key was constructed using the length frequency

probability for each age class of the aged sample from each section, which was then applied to the entire sample from that section.

2.2.6 Population Estimates

A mark-recapture program was conducted on Mountain Whitefish, Arctic Grayling, and Bull Trout over the period 24 August to 26 September, 2013 (duration of 33 days). Three sections were sampled (Figure 1.1) by six sequential sessions (Table 2.4).

Table 2.4 Sampling dates by section and session and the study days used for the 2013 Peace River Fish Index Project.

Session	Section		
	One	Three	Five
Actual Sampling Dates			
1	24, 25 Aug	26, 27 Aug	28, 29 Aug
2	30, 31 Aug	1, 2 Sep	3, 4 Sep
3	5, 6 Sep	11, 12 Sep	13, 14 Sep
4	15, 16 Sep	17, 18 Sep	19, 20 Sep
5	21 Sep	22 Sep	23 Sep
6	24 Sep	25 Sep	26 Sep
Mid or Study Day			
1	1.0	3.0	5.0
2	7.0	9.0	11.0
3	13.0	19.0	21.0
4	23.0	25.0	27.0
5	28.5	29.5	30.5
6	31.5	32.5	33.5

In the text that follows frequent reference is made to the terms “capture probability” and “catchability”. Capture probability is defined as the probability of detecting (encountering) an individual fish given that it is alive during a sampling event (Otis *et al.* 1978). For application to the population estimation models discussed here, the sampling event is a sampling day or session (1-2 days, see Table 2.4), dependent on the estimation model used. Catchability is defined as the fraction of the population which is caught by a defined unit of fishing effort (Ricker 1975). Note that under these classical definitions the two terms, as used in this report, are not synonymous. For example, if the number of fish sampled is directly related to sampling effort then sampling sessions with different effort levels on the same population may exhibit the same catchability but will have different capture probabilities.

During the first four sessions marks were intensively applied, but during the final two sessions emphasis was placed on searching for the presence of a mark on fish encountered. Marks were not applied to Mountain Whitefish in the final two sessions (Sessions 5 and 6). Overall, the program was highly successful (in terms of the number of marks applied and recaptured) for Mountain Whitefish but much

less so for Arctic Grayling and Bull Trout. Therefore, the methodologies described (diagnostics, population estimation, catchability, and sampling power analyses) were comprehensively applied to Mountain Whitefish. For Arctic Grayling and Bull Trout, only the closed population estimation methodology without empirical diagnostics for model selection could be applied because of sparse data.

2.2.6.1 Factors that Impact Population Estimates

The tagging program has some characteristics that must be considered with reference to the population estimation methodology and limitations of the subsequent estimates. First, the capture of fish may be heterogeneous (i.e., some fish are more likely to be caught than others) because of spatial distribution or the reaction of the fish to electrofishing. Second, marks were applied only to fish greater than 250 mm; thus, any estimates are only applicable to that portion of the population. Third, fish can grow over the life of the study such that fish recruit into the portion of the population greater than 250 mm when the study commenced. However, given the short duration of the study, appreciable growth was not expected. Fourth, marked fish can move to sections where capture probability may be different because of possible differences in sample size (sampling effort), catchability, number of available marks for recapture or the population size. Fifth, capture probability in a section can vary over time because of differences in catchability generated by physical-biological interactions (e.g., samples during the day in the upper 2 m).

In order to investigate these characteristics, we first examined the capture behaviour of the marked Mountain Whitefish. Floy tags were applied from 2002 to 2004 and PIT tags were applied from 2004 through 2013. For marks applied prior to 2013, the fish had to be caught again in 2013 and the tag recorded to qualify as a mark release. The proportion of marks recaptured in 2013 by tag type (Floy and PIT) and initial year of release were compared (G-test, Sokal and Rohlf, 1969), as well as the time-at-large for the release types. We also compared the frequency of multiple recaptures following Seber (1982). Length histograms of the fish marked and recaptured were examined to reveal selectivity patterns generated by the presence of a mark. These patterns were further evaluated by combining the measured fish into 25 mm length intervals and conducting tests of independence (G-test) for each section. Growth over the period of the present study was examined by regressing the time at large (days) of a recaptured fish on the increment in growth (difference in length measured at release and recapture).

The movement of fish between sections in 2013 and at-large for over a year (marked in 2002 to 2012 and recaptured in 2013) was assessed through weighting the recaptures by sampling intensity. Within each section are 15 sampling sites, each with a unique river kilometer (kilometers from the mouth) which allowed for the distance traveled up or downstream to be calculated for recaptured fish.

2.2.6.2 Empirical Model Selection

The large number of Mountain Whitefish recaptures allowed for quantitative model selection using POPAN-5 (UFIT module) software for mark-recapture data (Arnason *et al.* 1998). For the purpose of survival estimates, the time of sampling was assumed to be the mid-point of the actual sampling dates (Table 2.4). Each section was modeled independently with recaptured fish in other sections treated as removals. For Sections 1 and 3, the model selection was for a closed population (no change in population size over the period of the study). For Section 5, the UFIT module detected apparent mortality and recommended open population estimation procedures.

Apparent survival (represents fish that survive and have not left the study area) of Mountain Whitefish over the study period was estimated with the Cormack-Jolly-Seber (CJS) model using MARK software (White 2006). Because only recaptures are tracked, recruitment cannot be estimated; however, unlike other open population models (e.g., Jolly-Seber), the CJS model allows for time varying capture probability. The CJS model was applied to releases made in each section (1, 3, and 5) and subsequent recapture, regardless of location, in all six sessions. To increase the chance of detecting apparent survival < 1.0 , daily survival was assumed to be constant over the study with the time intervals between sessions (Table 2.4) incorporated into the analysis.

The large number of recaptures of Mountain Whitefish also allowed an empirical evaluation of homogeneous, heterogeneous and time-varying capture probabilities by employing MARK (closed population capture-recapture models) software (White 2006) to calculate delta Akaike's information criteria (ΔAIC), adjusted to account for the number of parameters, and the associated model likelihood for each of the sections. The model notation follows that of Otis *et al.* (1978), i.e.,

- M_0 - no variation in capture probability among individuals or across sampling sessions,
- M_t - each individual has the same capture probability on any given session, but capture probability can vary from one session to the next,
- M_b - behavioural response in capture probability (initial capture and subsequent recapture probabilities are not the same), and
- M_h - heterogeneous capture probability among individuals.

The MARK program requires the encounter history for every fish be known. A violation occurs when captured fish are returned to the river unmarked as occurred in sampling Sessions 5 and 6. The MARK program also assumes that the sampling intensity of sampling sessions are identical in order for the comparison of ΔAIC 's to be valid. Therefore, only the first four sampling sessions were used for this exercise and the fish that were returned to the river unmarked in these sessions were treated as dead in order to approximate the assumptions MARK requires.

A maximum likelihood estimation procedure using all the data was employed to examine the change in catchability over the sampling interval. Moreover, the computation of ΔAIC for the constant capture probability model using MARK may be misinterpreted because variation in sample size results in associated variation in the capture probability; however, the underlying catchability of marks may be consistent throughout the season. If the catchability is constant then the probability that an encountered fish is marked at sequence t (p_t) depends only on the proportion of the population that is marked, i.e.,

$$(1) \quad p_t = \frac{M_t}{M_t + U_t} = \frac{M_t}{N},$$

where M_t is the cumulative marks applied that are available for recapture at time t , U_t is the number of unmarked fish in the population at time t and N is the population size that is to be estimated. Note that if catchability varies over time but equally for marked and unmarked fish for each sequence t then p_t does not change and still reflects the proportion of the population that is marked. This is the formulation that is used in the Bayes Sequential model presented below. If the catchability of marked and unmarked fish varies over the sampling interval then the probability that an encountered fish is marked can be characterized as:

$$(2) \quad p_t = \frac{M_t}{N \exp(b_t)} \text{ with the constraint that } \sum_t b_t = 0,$$

and where b_t is the logarithmic population deviation and will provide a better fit to the data. In the remainder of this document all reference to “time varying catchability” is as characterized by Equation (2). It is important to note that Equation (2) is also consistent with a change in population size (population change and time varying catchability are confounded). The log-likelihoods (L) were computed for these models with an assumed binomial sampling distribution, i.e.,

$$(3) \quad L \propto \sum_t [R_t \log_e(p_t) + (C_t - R_t) \log_e(1 - p_t)],$$

where R_t is the number of recovered tags in the sample of C_t fish taken at time t . Parameter estimates, standard deviations and AIC values were calculated through the maximization of Equation (3) using AD Model Builder (ADMB 2009) to implement the model. For these estimates, each sampling day after the first session was used as a sequence (8 days in each river section).

2.2.6.3 Bayes Sequential Model for a Closed Population

A Bayesian mark-recapture model for closed populations (Gazey and Staley 1986, and Gazey 1994) was applied to the mark-recapture data. The Bayesian model was adapted to accommodate adjustments for movement between river sections, allow for stratified capture probabilities and cope with sparse recaptures characteristic of Arctic Grayling and Bull Trout. The major assumptions are:

1. The population size in the study area does not change over the period of the experiment. If mortality occurs then it can be specified independent of the mark-recapture information. Fish can move within the study area (to different sections); however, the movement is fully determined by the history of recaptured marks.
2. All fish in a stratum (day and section), whether marked or unmarked, have the same probability of being caught.
3. Fish do not lose their marks over the period of the study.
4. All marks are reported when the fish are recaptured. If marks are not detected then the rate can be specified independent of mark-recapture information.

The following data needs to be extracted from the mark-recapture database in order to generate population estimates for the Bayes model:

- m_{ti} – the number of marks applied in 2012, or marked in a previous year and recaptured in 2012 during day t in section i ,
- c_{ti} – the number of fish examined for marks during day t in section i ,
- r_{ti} – the number of recaptures in the sample c_{ti} , and
- d_{ti} – the number of fish removed or killed in the recaptures r_{ti} .

A fish had to be greater than or equal to 250 mm to be a member of m_{ti} . A fish was counted as examined (a member of c_{ti}) only if the fish was landed and examined for the presence of a mark and was greater than or equal to 250 mm in length. A fish was counted as a recapture (r_{ti}) only if it was a member of the sample (c_{ti}), was a member of marks applied (m_{ti}) and was recaptured in a session later than the release session. A fish was counted as removed (d_{ti}) if it was not returned to the river or the fish was deemed to be unlikely to survive.

The number of marks available for recapture, adjusted for movement, was determined by first estimating the proportion of marks released in section i moving to section j (p_{ij}). Note by definition:

$$\sum_j p_{ij} = 1.$$

Assuming that the movement of marked fish is determined by the recapture history corrected for the sampling intensity then:

$$(4) \quad \hat{p}_{ij} = \frac{\sum_t \frac{w_{ij}}{c_{tj}}}{\sum_j \sum_t \frac{w_{ij}}{c_{tj}}}$$

where w_{ij} is the total number of recaptures that were released in section i and captured in section j over the entire study. The maximum number of releases available for recapture during day t in section j (m_{tj}^*) is then:

$$(5) \quad m_{tj}^* = \sum_i \hat{p}_{ij} m_{ti}.$$

The usual closed population model assumptions (e.g., Gazey and Staley 1986) may be invalidated by natural mortality, unaccounted fishing mortality, the emigration of fish from the study area and non-detection of a mark when the fish was sampled. Thus, the number of marks available for recapture at the start of day t in section i (M_{ti}) consists of the releases in each of the sections corrected for removals (mortality and emigration) summed over time, i.e.,

$$(6) \quad M_{ti} = \sum_{v=1}^{t-h} (m_{vi}^* - d_{vi}) \exp \left\{ \frac{v+h-t}{365} Q \right\}$$

where Q is the instantaneous annual rate of removal and h is the number of lags or mixing days (nominally set to three days). The number of fish examined during day t in the i 'th region (C_{ti}) does not require correction, i.e.,

$$(7) \quad C_{ti} = c_{ti}$$

The recaptures in the sample, C_{ti} , however, need to be corrected for the proportion of undetected marks (u), i.e.,

$$(8) \quad R_{ti} = (1+u)r_{ti}$$

The corrected marks available, sample and recaptures (Equations 6, 7, and 8) are the input information required by the Gazey and Staley (1986) to form the population estimates.

The estimation of population size was accomplished with a Microsoft Excel[®] spreadsheet model that consists of macros coded in Visual Basic. The procedure requires the execution of two passes (macros update and estimate). First (execute macro update), the mark-recapture data are assembled by sections under the selection criteria of minimum time-at-large (days) and minimum length (mm) specified by the user. For the second pass (execute macro estimate), the user must specify the sections to be included in the estimate, annual instantaneous mortality rate, the proportion of undetected marks and the confidence interval percentage desired for the output. The model then assembles the adjusted mark-recapture data (Equations 6, 7, and 8) and follows Gazey and Staley (1986) using the replacement model to compute the population estimates. Output includes the posterior distributions, the Bayesian mean, standard deviation, median, mode, symmetric confidence interval and the highest probability density (HPD) interval.

Population estimates were generated for the three sections using marks applied at a start-date of 24 August 2013, a minimum length of 250 mm, annual instantaneous removal rate (represents natural mortality, unobserved removals and emigration) estimated using the CJS model (see Table 2.5), and an undetected mark rate of 0%. Annual instantaneous mortality rates of 0.2, 0.4, and 0.6 and undetected mark rates of 1, 3, and 5% were tried in order to reveal the sensitivity of the population estimates to these inputs. The total population estimate for the study area was obtained by summing the section estimates. For Mountain Whitefish, the confidence interval for the total study area estimate was calculated invoking a normal distribution under the central limit theorem with a variance equal to the sum of the variances for the sections. Recaptures were not available for Arctic Grayling; thus, population estimates were not produced. For Bull Trout, population estimates were only available for river Sections 3 and 5.

Table 2.5 Daily and project survival and instantaneous mortality estimates based on recaptures using the Cormack-Jolly-Seber model, 2013 Peace River Fish Index Project.

Section	Daily Survival	SD	95% Confidence		Instantaneous Daily Mortality	Project Survival
			Low	High		
1	0.9944	0.0088	0.8885	0.9997	0.0056	0.8316
3	0.9981	0.0042	0.8764	1.0000	0.0019	0.9380
5	0.9854	0.0059	0.9681	0.9933	0.0148	0.6146

2.2.7 Catchability

One of the key quantities of interest is catchability. If catchability is constant across years and river sections then indices of abundance such as catch rate (No. fish per unit effort, CPUE) are comparable. Handling time to process a fish (e.g., netter dipping, dumping the fish in the hold) can cause systematic bias in the relationship between CPUE and abundance (Hilborn and Walters 1992). Catchability coefficients (the parameter relating an abundance index to the actual abundance, Ricker 1975) were calculated under the assumptions of a closed population and that abundance indices are proportional to the population size. If these assumptions are true then the coefficients should remain constant over study-years and river sections; which is a test of this potential systematic bias.

An estimate for the catchability coefficient for the i 'th section was calculated following Ricker (1975) as:

$$(9) \quad \hat{q}_i = \frac{\sum_t C_{ti}}{E_i \cdot N_i}$$

where C_{ti} is from Equation (7), E_i is electrofishing effort (measured as hours of electrofishing or distance traveled) and N_i is the Bayes closed population estimate (i.e., no change over the study period) for section i , calculated following Section 2.2.6.3 above. Given the number of fish sampled and effort data, the variance of catchability coefficient is:

$$(10) \quad Var(\hat{q}_i) = \left(\frac{\sum_t C_{ti}}{E_i} \right)^2 Var\left(\frac{1}{N_i} \right)$$

where the reciprocal of estimated abundance is distributed normally and can be estimated using the following expression (Ricker 1975, p 97):

$$(11) \quad Var\left(\frac{1}{N_i} \right) = \frac{\sum_t R_{ti}}{\left(\sum_t M_{ti} C_{ti} \right)^2}.$$

The catchability coefficient was also examined using the catch rate weighted for habitat as described in Section 2.2.4 above. This was undertaken to illustrate the application of catch rate as a monitoring tool. The weighted estimate of catch rate was plotted against the population estimate for that section and the relationship quantified using simple linear regression. The slope of the relationship, which represented the

catchability coefficient, was then compared to the catchability coefficient estimate generated using the recapture and effort data (see Equation 9).

2.2.8 Effort Needed to Detect Change

In order to explore the precision that may be obtained under alternative sampling intensities, a simple power analysis was conducted on Mountain Whitefish sampled from Section 1 where a consistent program has been performed each year over the 2002 to 2013 period. We assumed that the estimate of the Bayesian mean ($\bar{N}$) was the actual population size and adjusted the data for an altered sampling factor for any sequence as follows:

$$(12) \quad M'_t = \left[1 - \left(1 - \frac{M_t}{\bar{N}} \right)^f \right] \cdot \bar{N}$$

$$(13) \quad C'_t = \left[1 - \left(1 - \frac{C_t}{\bar{N}} \right)^f \right] \cdot \bar{N}$$

$$(14) \quad R'_t = R_t \cdot \frac{M'_t}{M_t} \cdot \frac{C'_t}{C_t}$$

where f is the sampling factor (e.g., $f = 2$ represents a doubling of the sampling effort), M_t is the number of marks applied at the start of the t^{th} sampling sequence, C_t is the total number of fish examined for marks and R_t is the number of recaptured marks. The prime notation represents the data generated for a specified sampling factor. Since the number of fish sampled is small in relation to the population size, a sampling factor of 2 nearly doubles the marks applied and quadruples the recoveries.

For the purposes of this analysis we defined precision to be half of the 80% highest probability density (HPD) expressed as a percentage of the mean. If the posterior distribution was perfectly symmetrical, then our precision definition would equate to the plus/minus 80% confidence interval.

2.2.9 Data Management System and Update Database

Microsoft® Access 2000 was used to enter, check, and store the raw fish and habitat data collected during 2013. This information was used to update the Peace River Fish Index Project database.

3.0 RESULTS

This section provides a summary of the general characteristics of the fish community and a comparison to previous results, where appropriate. For simplicity the information has been grouped into seven component sections: sampling conditions, fish community characteristics, biological characteristics, catch rate, recruitment, population estimates, and catchability. Appendices B to E present all raw data.

3.1 SAMPLING CONDITIONS

Sampling conditions during the field program were examined to ascertain if one or more parameters affected sampling effectiveness. Summaries for selected parameters are presented in this section, and when appropriate, comparisons are made to historical data. Raw data for all measured parameters are presented in Appendix B.

3.1.1 Discharge

Mean daily discharge of the Peace River was 1,121 m³/s during the 2013 field program (Figure 3.1). Daily discharge ranged from 657 m³/s to 1,369 m³/s. Hourly discharge fluctuated widely during each 24 h period on most sampled days. For the majority of the 2013 field program, daily discharge was higher than the historical average daily discharge (2001 to 2012).

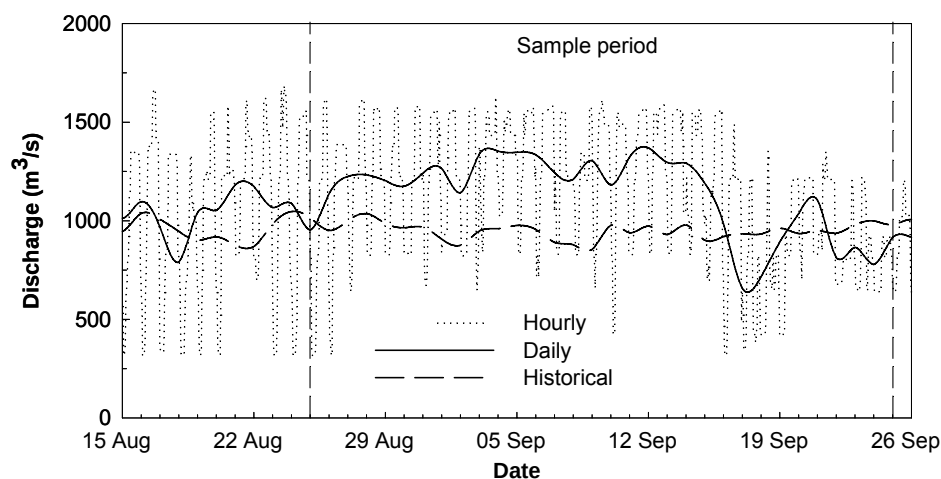


Figure 3.1 Peace River daily and hourly discharge at PCN Dam with comparison to historical average daily discharge recorded from 2001 to 2012, 2013 Peace River Fish Index Project.

There were no large changes in Peace River discharge caused by inputs from the Halfway River and other tributaries. During the field program Halfway River discharge was $< 55 \text{ m}^3/\text{s}$ (Water Survey of Canada Station 07FA006) and Moberly River discharge was $< 5 \text{ m}^3/\text{s}$ (Water Survey of Canada Station 07FB008).

3.1.2 Water Clarity

Water clarity of the Peace River was high during the field program (Table 3.1, Figure 3.2). Average daily values were $> 100 \text{ cm}$. Average water clarity during field program was highest in Section 1 ($> 200 \text{ cm}$) and lowest in Section 3 (164.5 cm). Work by P&E (2002) indicated that water clarity of 50 cm was the threshold at which there was a negative effect on catchability. As such, the overall effectiveness of the fish collection program in 2013 was not affected by low water clarity.

Table 3.1 Water clarity (cm) during the 2013 Peace River Fish Index Project.

Section	Mean ($\pm$ SE)	Range
1	210.0	–
3	164.5 ± 6.87	0 – 210
5	187.3 ± 3.97	30 – 210

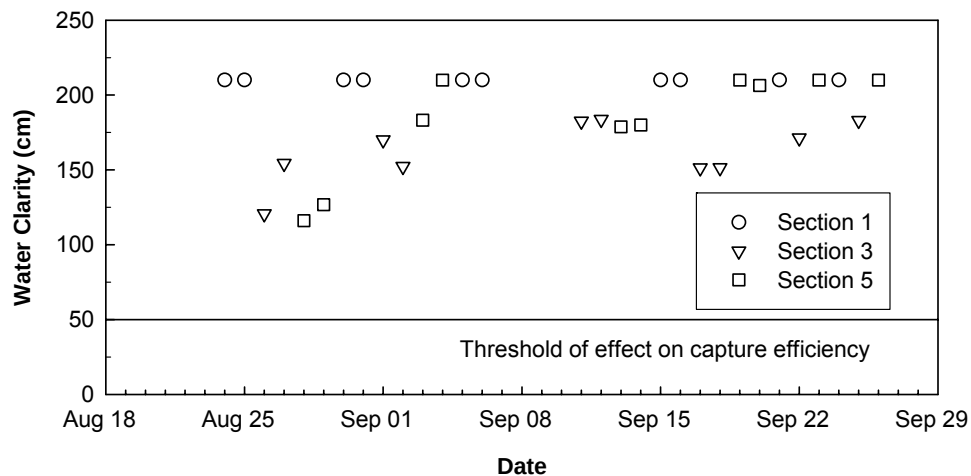


Figure 3.2 Mean daily water clarity in Sections 1, 3, and 5, 2013 Peace River Fish Index Project.

3.1.3 Water Temperature

Water temperatures during the field program ranged from 10.1°C to 14.6°C during the field program (Table 3.2, Figure 3.3). Mean daily water temperature did not differ substantively over the duration of the field program or between sections. Temperatures were well above the 7°C threshold, which is the temperature below which Mountain Whitefish initiate spawning (Northcote and Ennis 1994).

Table 3.2 Water temperature (°C) during the 2013 Peace River Fish Index Project.

Section	Mean ($\pm$ SE)	Range
1	12.4 $\pm$ 0.08	10.8 – 14.0
3	12.5 $\pm$ 0.12	10.2 – 14.6
5	11.2 $\pm$ 0.06	10.1 – 13.0

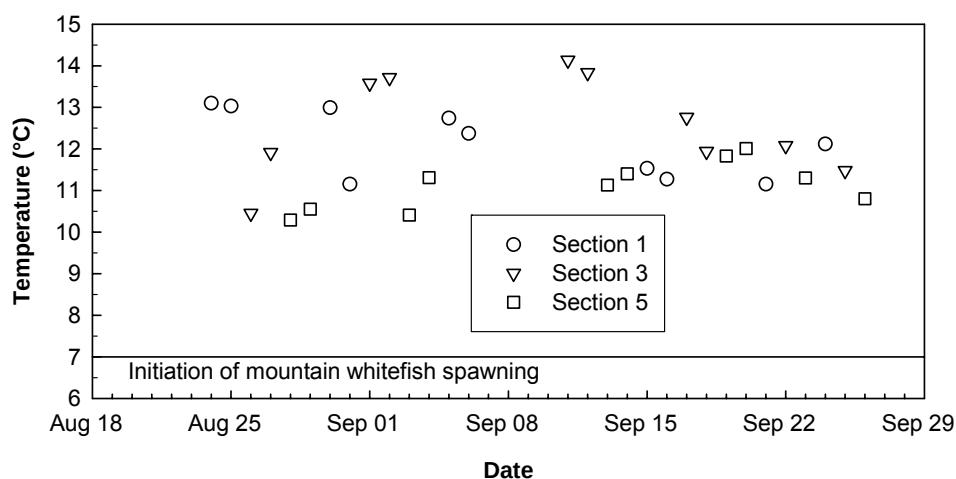


Figure 3.3 Mean daily water temperatures in Sections 1, 3, and 5, 2013 Peace River Fish Index Project.

3.2 GENERAL CHARACTERISTICS OF THE FISH COMMUNITY

In total, 10,954 fish representing 14 species were recorded in 2013 (Table 3.3). The species assemblage included 9 sportfish, 3 suckers, and 2 cyprinids. Mountain Whitefish were very numerous and dominated the sample (9,415 fish; 85.9%). The two other target species were not abundant. In total, 36 Arctic Grayling (0.3%) and 256 Bull Trout (2.3%) were recorded. After Mountain Whitefish, Longnose Sucker was the most prominent species (842 fish; 7.7%). The results for the three target species were generally similar to findings of previous studies, but Arctic Grayling numbers were the lowest on record since the beginning of structured sampling in 2002. Differences between the present study and previous investigations included the presence of Lake Trout and Peamouth, as well as higher numbers of Walleye.

Table 3.3 Number and percent composition of fish species, 2013 Peace River Fish Index Project.

Family	Common Name	Scientific Name	Number	Percent
Salmonidae	Arctic Grayling	<i>Thymallus arcticus</i>	36	0.3
	Bull Trout	<i>Salvelinus confluentus</i>	256	2.3
	Kokanee	<i>Oncorhynchus nerka</i>	27	0.3
	Lake Trout	<i>Salvelinus namaycush</i>	7	0.1
	Mountain Whitefish	<i>Prosopium williamsoni</i>	9,415	85.9
	Rainbow Trout	<i>Oncorhynchus mykiss</i>	95	0.9
Gadidae	Burbot	<i>Lota lota</i>	3	< 0.1
Esocidae	Northern Pike	<i>Esox lucius</i>	6	0.1
Percidae	Walleye	<i>Sander vitreus</i>	60	0.6
Catostomidae	Largescale Sucker	<i>Catostomus macrocheilus</i>	132	1.2
	Longnose Sucker	<i>Catostomus catostomus</i>	842	7.7
	White Sucker	<i>Catostomus commersonii</i>	37	0.3
Cyprinidae	Northern Pikeminnow	<i>Ptychocheilus oregonensis</i>	37	0.3
	Peamouth	<i>Mylocheilus caurinus</i>	1	< 0.1
Total			10,954	100

The majority of species (12 of 14) were recorded in all three sections (Table 3.4). Exceptions included less abundant species (i.e., Burbot, Northern Pike, Walleye, and Peamouth) that occurred in only one or two sections. These findings were similar to those of previous studies.

Table 3.4 Spatial distribution of fish species, 2013 Peace River Fish Index Project.

Family	Name	Section		
		1	3	5
Salmonidae	Arctic Grayling	•	•	•
	Bull Trout	•	•	•
	Kokanee	•	•	•
	Lake Trout	•	•	•
	Mountain Whitefish	•	•	•
	Rainbow Trout	•	•	•
Gadidae	Burbot		•	•
Esocidae	Northern Pike		•	•
Percidae	Walleye		•	•
Catostomidae	Largescale Sucker	•	•	•
	Longnose Sucker	•	•	•
	White Sucker	•	•	•
Cyprinidae	Northern Pikeminnow	•	•	•
	Peamouth	•		

3.3 ARCTIC GRAYLING

3.3.1 Biological Characteristics

Few Arctic Grayling were recorded in 2014. In total, 27 Arctic Grayling were sampled for biological characteristics. Fork lengths of sampled populations ranged from 172 mm to 389 mm and represented fish Age 1 to Age 6. Numbers of aged Arctic Grayling were as follows – 2 from Section 1, 13 from Section 3, and 12 from Section 5. Comparisons were restricted to Section 3 and Section 5 due to insufficient data from Section 1.

Spatial Comparisons

Arctic Grayling sampled from Sections 3 and 5 exhibited different age and length distributions (Figure 3.4). The small sample in Section 3 was dominated by Age 1 fish (54% of sample). The sample in Section 5 was dominated by Age 3 fish (42% of sample). No Age 0 fish were recorded during the study.

Arctic Grayling growth based on von Bertalanffy growth curves are presented in Figure 3.4 and length-at-age are presented in Table 3.5.

Table 3.5 Mean length-at-age of sampled Arctic Grayling, 2013 Peace River Fish Index Project.

Age	Section 1		Section 3		Section 5	
	<i>n</i>	Mean Fork Length ($\pm$ SE)	<i>n</i>	Mean Fork Length ($\pm$ SE)	<i>n</i>	Mean Fork Length ($\pm$ SE)
0						
1			7	192.9 $\pm$ 8.1	3	181.0 $\pm$ 3.2
2			2	240.0 $\pm$ 30.0		
3			2	327.0 $\pm$ 19.0	5	296.0 $\pm$ 8.3
4	1	364.0	2	345.0 $\pm$ 15.0	3	332.7 $\pm$ 30.8
5					1	307.0
6	1	360.0				

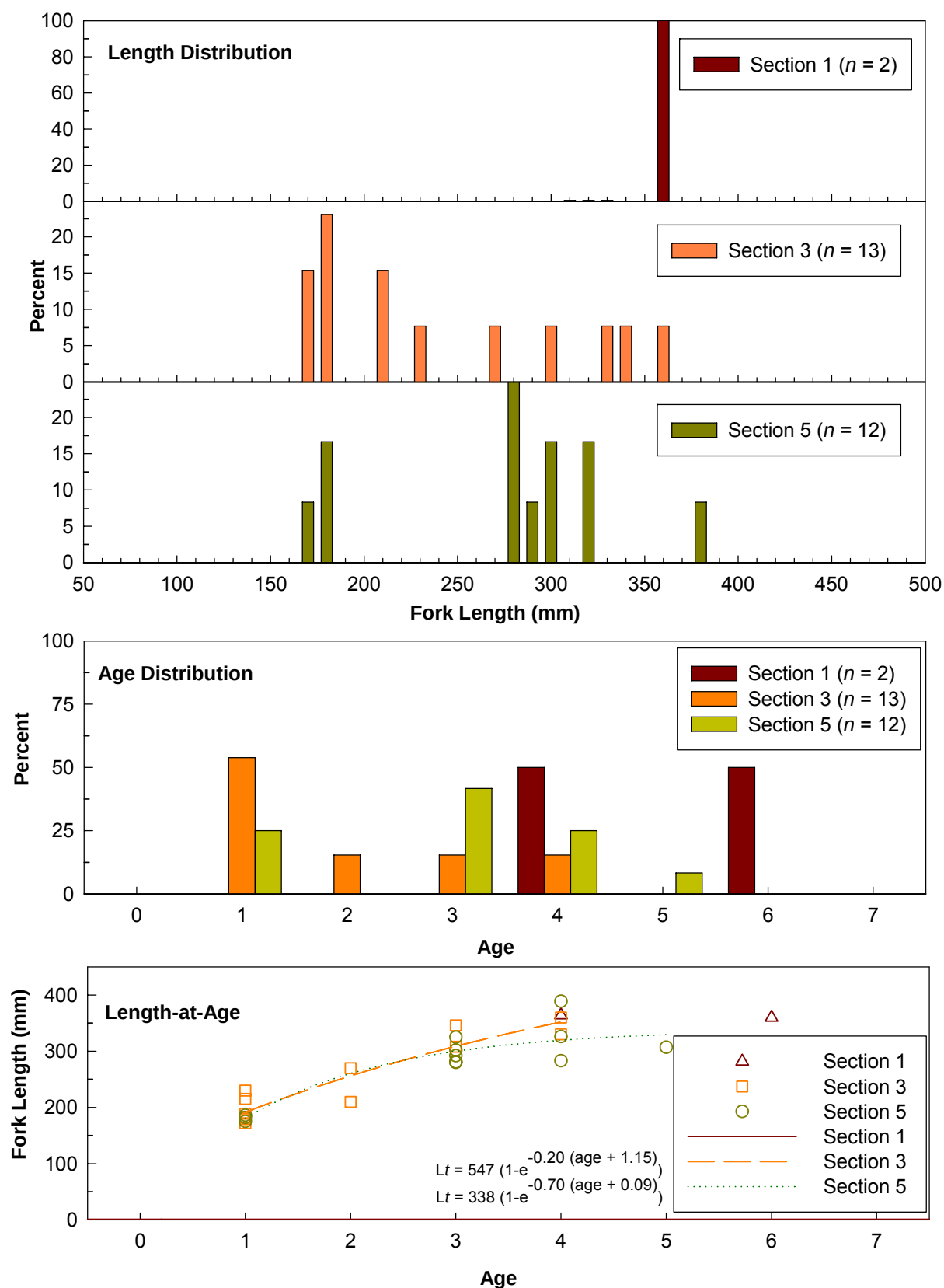


Figure 3.4 Length and age distributions and length-at-age relationships of sampled Arctic Grayling, 2013 Peace River Fish Index Project.

Body condition-at-age of Arctic Grayling is presented in Table 3.6.

Table 3.6 Mean body condition (*K*) of sampled Arctic Grayling, 2013 Peace River Fish Index Project.

Age	Section 1		Section 3		Section 5	
	<i>n</i>	Mean Body Condition ($\pm$ SE)	<i>n</i>	Mean Body Condition ($\pm$ SE)	<i>n</i>	Mean Body Condition ($\pm$ SE)
0						
1			7	1.26 ± 0.02	3	1.27 ± 0.07
2			2	1.38 ± 0.07		
3			2	1.34 ± 0.06	5	1.19 ± 0.01
4	1	1.36	2	1.35 ± 0.08	3	1.13 ± 0.05
5					1	1.17
6	1	1.30				

Annual Comparisons

Annual comparisons indicated variable age and length distributions of sample populations (Figures 3.5 and 3.6). The limited sample size in 2013 precluded valid comparisons to other years.

A comparison of growth curves suggested a reduction in growth in 2013 compared to previous years (Figure 3.7). However, anabolic constant estimates indicated no differences between studies based on 95% confidence intervals (Figure 3.8).

Partitioning growth by age illustrated variable growth of sample populations in Section 3 and Section 5 (Figure 3.9). The results from Section 3 indicated reduced growth of Ages 2, 3, and 4 compared to the previous year. However, the differences were not significant based on overlap of 95% confidence intervals.

Arctic Grayling body condition-at-age indicated no trends over time in Section 3 and Section 5 (Figure 3.10). Results for the 2013 sample population were within the range recorded by previous studies.

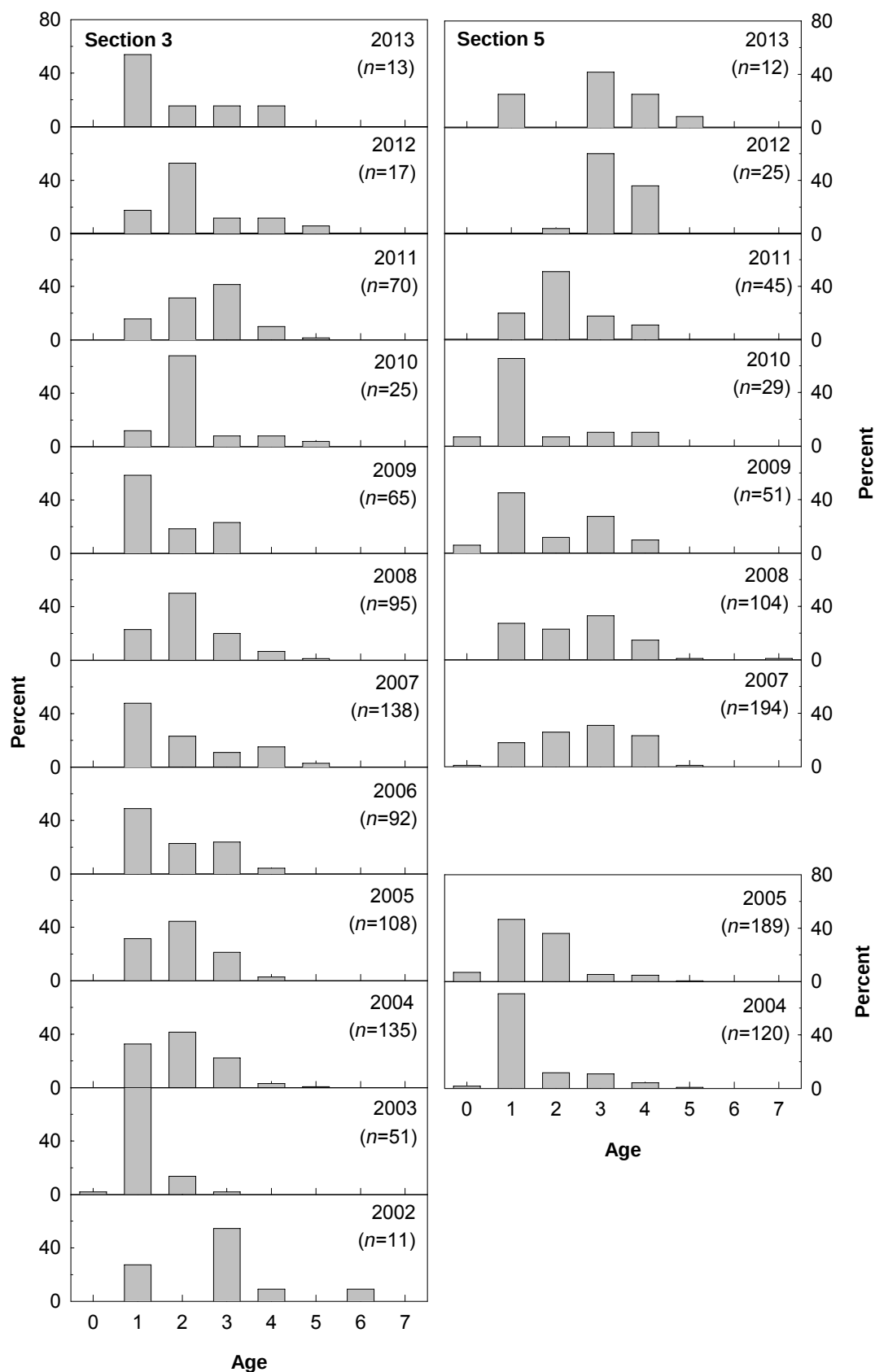


Figure 3.5 Age distributions of Arctic Grayling sampled during the Peace River Fish Index Project, 2002 to 2013.

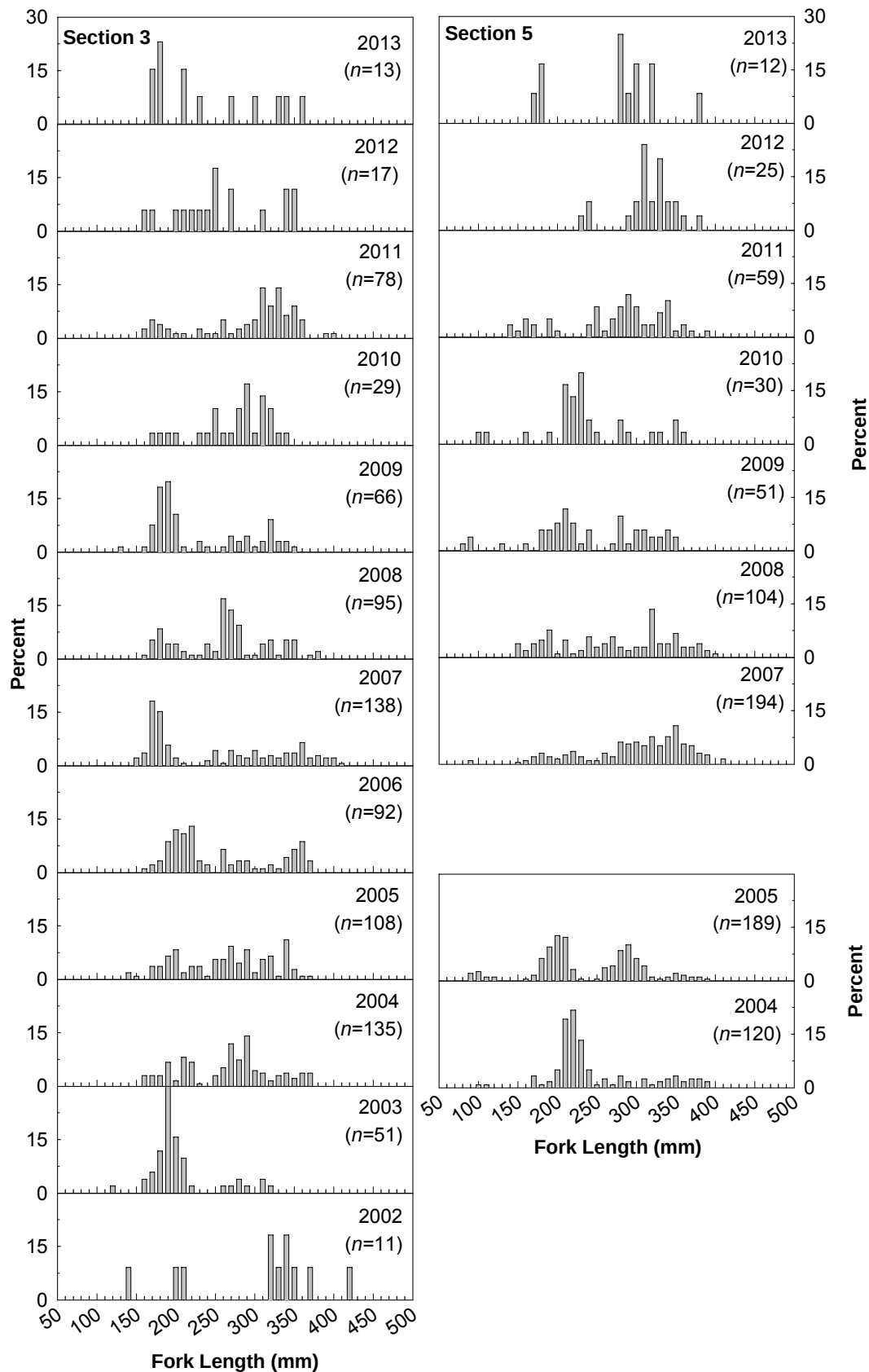


Figure 3.6 Length distributions of Arctic Grayling sampled during the Peace River Fish Index Project, 2002 to 2013.

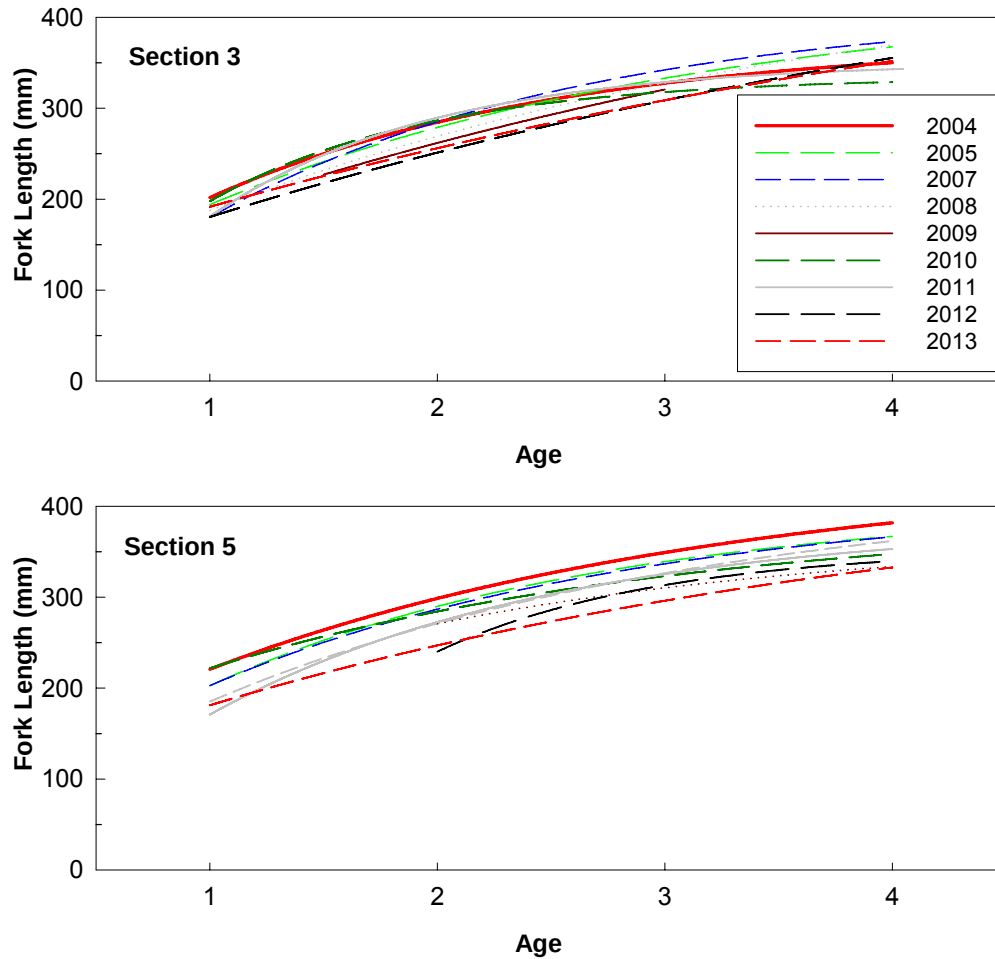


Figure 3.7 Growth curves of Arctic Grayling sampled from the Peace River Fish Index Project, 2004, 2005, 2007, 2008, 2009, 2010, 2011, 2012, and 2013 (Section 3 data for 2002, 2003, and 2006 omitted due to lack of data or nonconvergence using the von Bertalanffy growth model; analyses restricted to Ages 1 to 4).

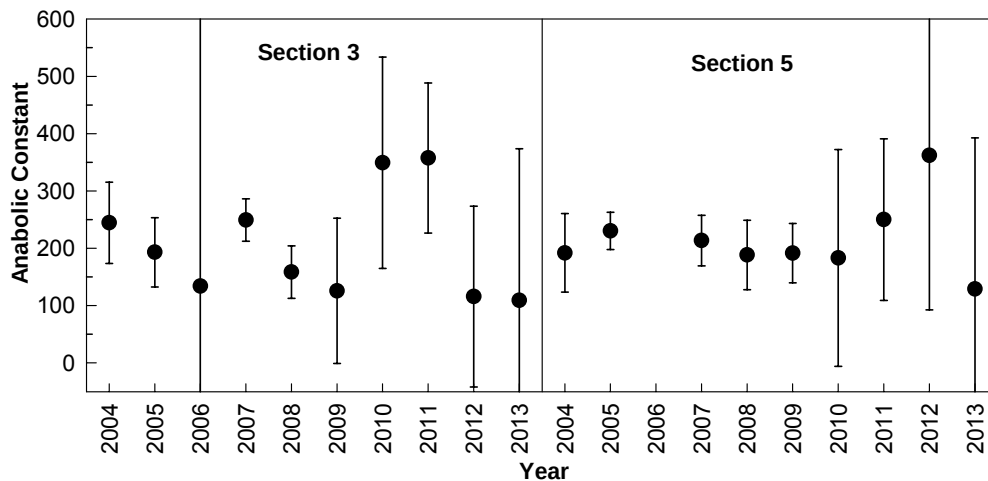


Figure 3.8 Anabolic constants of Arctic Grayling sampled during the Peace River Fish Index Project, 2004, 2005, 2007, 2008, 2009, 2010, 2011, 2012, and 2013 (data for Age 1 to Age 4; vertical lines represent 95% confidence intervals).

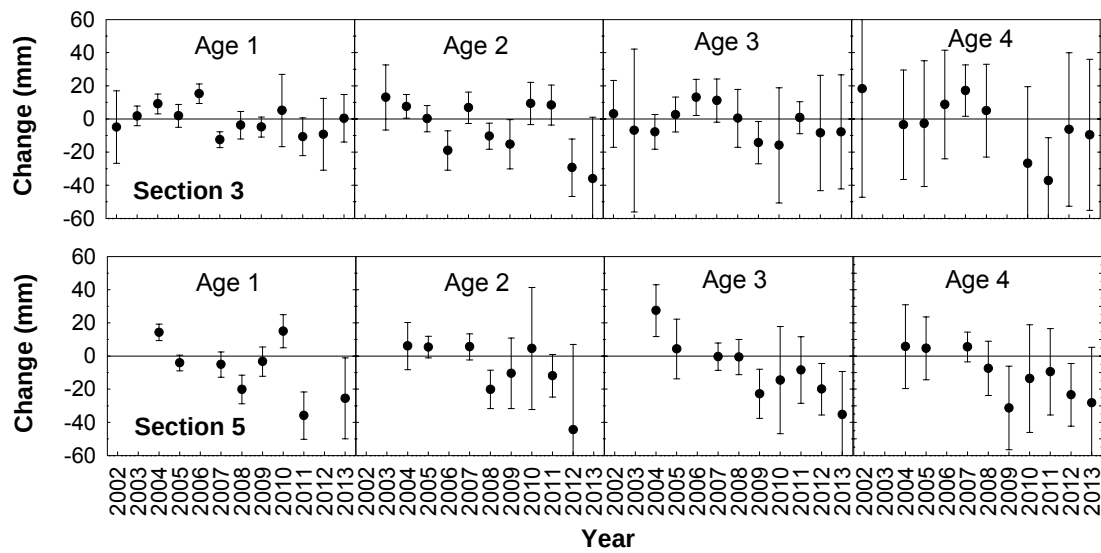


Figure 3.9 Change in mean length-at-age of Arctic Grayling sampled during the Peace River Fish Index Project, 2002 to 2013 (change defined as difference between annual estimate and estimate for entire sample; vertical lines are 95% confidence intervals).

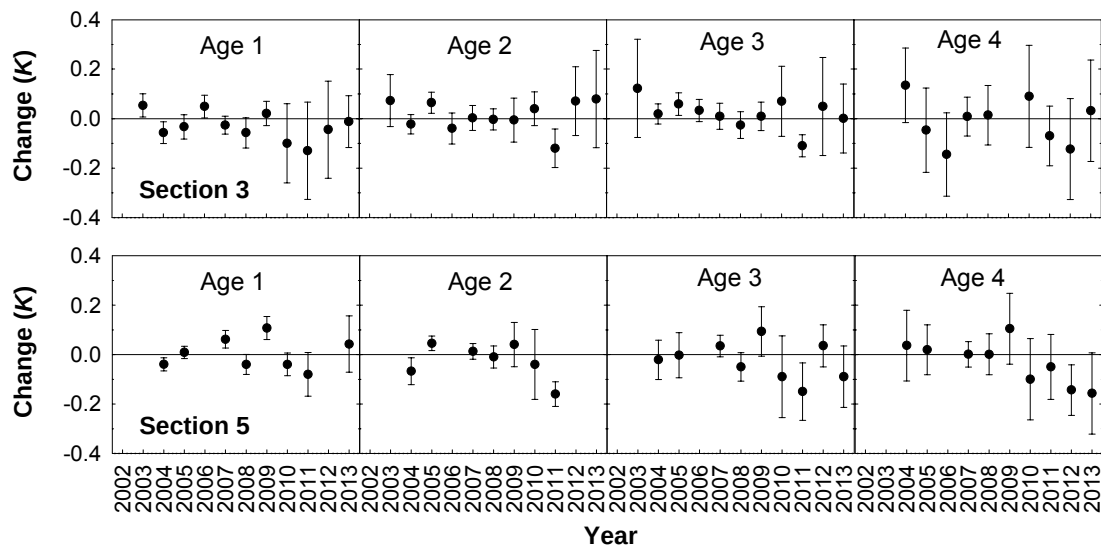


Figure 3.10 Change in mean body condition-at-age of Arctic Grayling sampled during the Peace River Fish Index Project, 2002 to 2013 (vertical lines are 95% confidence intervals).

Mortality

Inspection of catch curves for Arctic Grayling (all years combined) indicated that fish become fully vulnerable to the capture gear at Age 1 (Figure 3.11). The apparent annual mortality was similar among Sections 3 and 5 (57% and 55%, respectively).

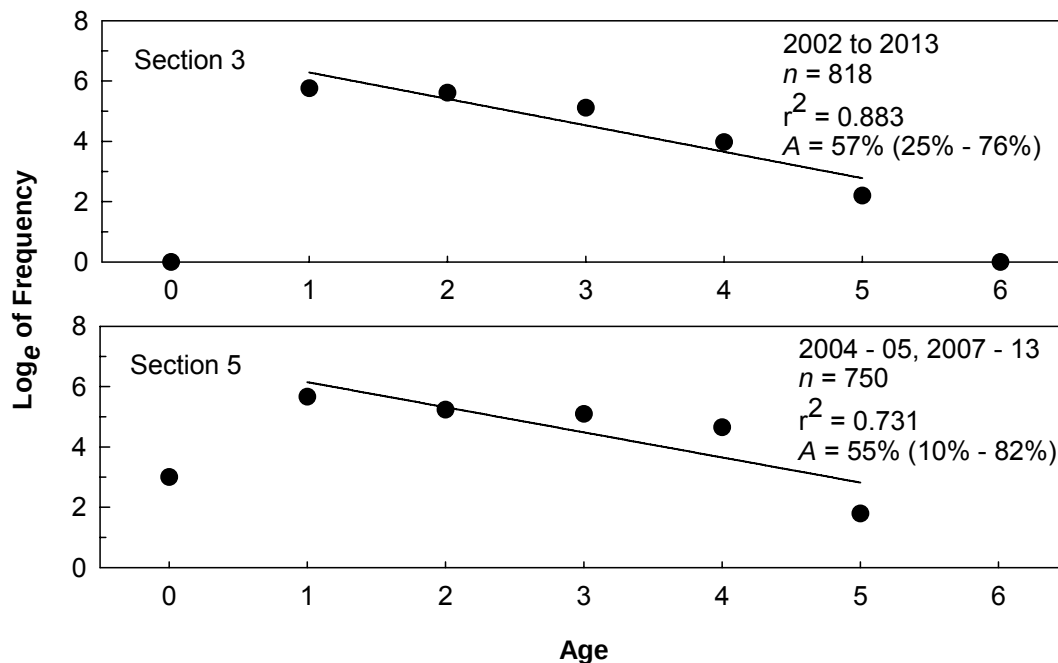


Figure 3.11 Catch curve annual mortality of Arctic Grayling sampled during the Peace River Fish Index Project, 2002 to 2013 (combined data from 2002 to 2013; percentages in brackets represent 95% confidence intervals).

3.3.2 Catch Rate

Spatial Comparisons

Arctic Grayling catch rates were very low in 2013 (≤ 0.21 fish/km) (Figure 3.12). Arctic Grayling were scarce in Section 1, and were more numerous in Section 3 and Section 5. In Section 3 catch rates were higher in SFC habitat (0.18 fish/km) compared to SFN habitat (0.11 fish/km). In Section 5 catch rates were lower in SFC habitat (0.16 fish/km) compared to SFN habitat (0.21 fish/km).

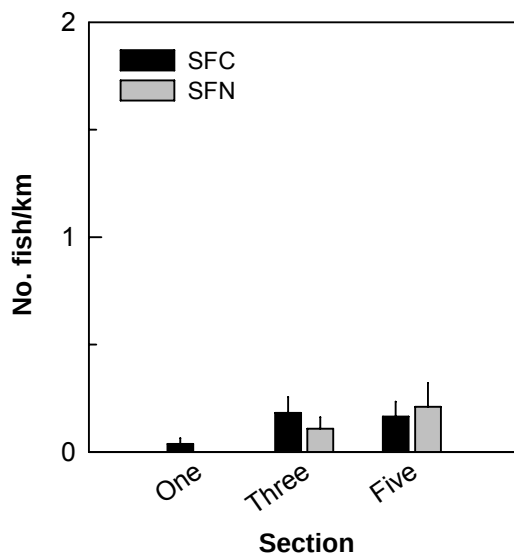


Figure 3.12 Mean catch rates of Arctic Grayling stratified by section and habitat type, 2013 Peace River Fish Index Project (vertical lines represent standard error; see Table 2.1 for sample sizes and Table 2.2 for definitions of habitat type).

Annual Comparisons

Arctic Grayling catch rates exhibited large annual variability but average values in 2013 were the lowest on record (Figure 3.13). In Section 1 catch rates have been consistently very low and the 2013 results were no exception. In Section 3, the catch rate in 2013 was 0.15 fish/km and represented a seven-fold decline from the high catch rate recorded in 2011 (1.02 fish/km). In Section 5, the 2013 catch rate (0.19 fish/km) represented a five-fold reduction from the high catch rate recorded in 2011 (0.91 fish/km).

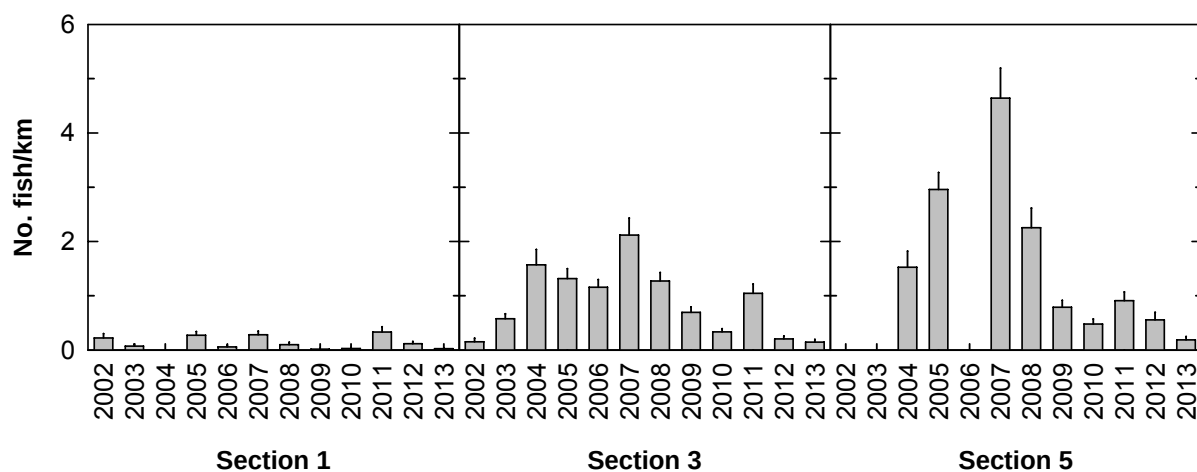


Figure 3.13 Mean catch rates of Arctic Grayling during the Peace River Fish Index Project, 2002 to 2013 (based on combined weighted means and standard errors for SFC and SFN habitats; vertical lines represent standard errors; Section 5 not sampled in 2002, 2003, and 2006).

3.3.3 Recruitment

Recruitment of Age 1 Arctic Grayling in 2013 was very low (Figure 3.14). The contribution of Age 1 Arctic Grayling has been zero in Section 1, except in 2011. In Section 3, Age 1 Arctic Grayling were recorded during all years of study, but annual recruitment has varied. The Arctic Grayling recruitment index ranged from a high of 2.86 fish/km in 2007 to a low of 0.13 fish/km in 2010. The recruitment index in 2013 (0.35 fish/km) was the fourth lowest on record. In Section 5, Arctic Grayling annual recruitment have been on a continual decline since the highs recorded in 2004 and 2005. Recruitment in 2013 was 0.21 fish/km.

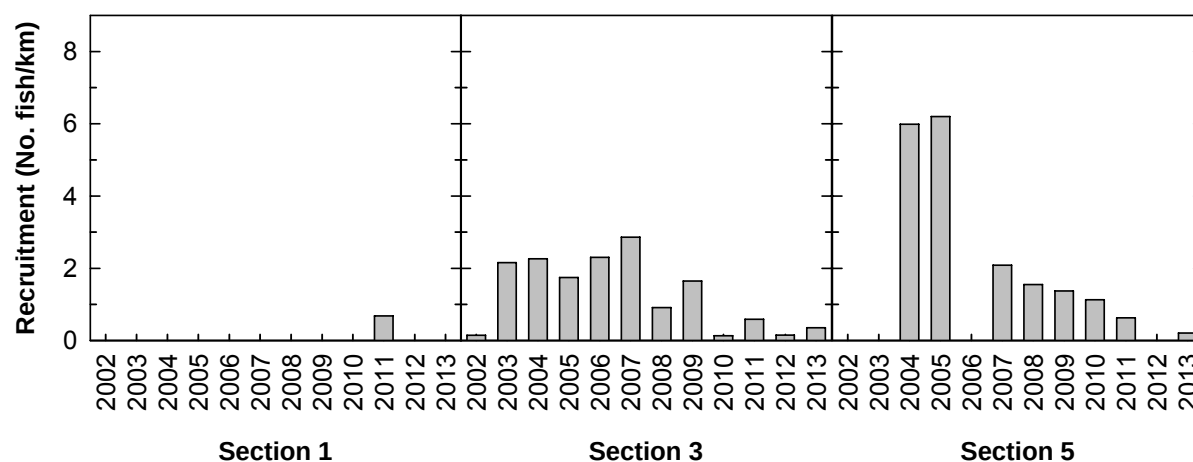


Figure 3.14 Recruitment indices of Age 1 Arctic Grayling during the Peace River Fish Index Project, 2002 to 2013 (Section 5 not sampled in 2002, 2003, and 2006).

3.4 BULL TROUT

3.4.1 Biological Characteristics

In total, 212 Bull Trout were sampled for biological characteristics. Fork lengths of sampled populations ranged from 1,171 mm to 860 mm and represented fish Age 2 to Age 12. Numbers of aged Bull Trout were as follows – 29 from Section 1, 109 from Section 3, and 44 from Section 5.

Spatial Comparisons

Length and age distributions of Bull Trout were generally similar among sections (Figure 3.15). No fish younger than Age 2 were encountered in any section and subadult fish (estimated as Ages 2 to 5) dominated in all sections ($\geq 50\%$ of each sample). Age 3 was the most numerous age class in all sections. Adult Bull Trout (estimated as $\geq$ Age 6) also were present in each section.

The von Bertalanffy growth equation could not be applied to the Bull Trout sample in any section due to non-convergence of growth curves, which was likely caused by the paucity of older fish. As such, linear regression was used to describe Bull Trout growth (Figure 3.15). These growth curves and length-at-age data from Table 3.7 indicated that subadult fish in all three sections grow at a similar rate (approximately 75 mm per year).

Spatial differences in sample populations were not apparent from mean length-at-age (Table 3.7) and mean body condition-at-age (Table 3.8).

Annual Comparisons

Age and length distributions of the combined sample (Sections 1, 3, and 5) have been generally stable across years (Figure 3.16 and Figure 3.17, respectively). Age distributions were dominated by subadults (Age 2 to Age 5), while younger fish (Age 0 and Age 1) and adult fish ($\geq$ Age 6) were poorly represented. The absence of adult fish was caused by use of tributaries for spawning during the study period (i.e., August and September) and the absence of younger fish was caused by use of tributaries for rearing by this age group. Bull Trout typically do not disperse from rearing streams until Age 3 (Hagen and Decker 2011) and as such, the results do not represent complete age and length structures of Bull Trout.

The 2013 age and length distributions were similar to the 2012 results. The sample populations in these years are numerically dominated by younger fish (i.e., Age 2, Age 3, and Age 4 fish). The strength of the younger age classes likely reflects increased recruitment from the Halfway River system (Euchner 2013).

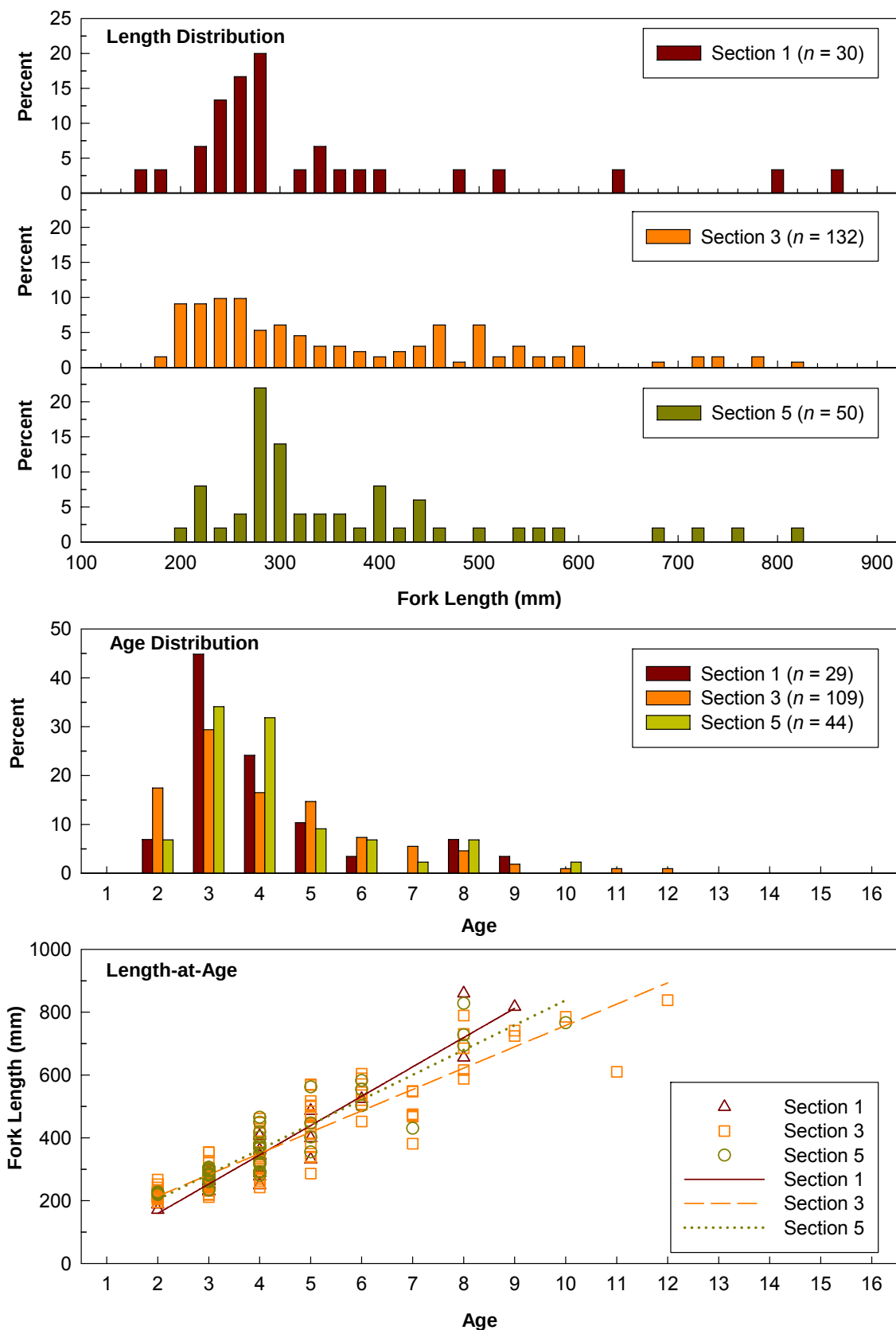


Figure 3.15 Length and age distributions and length-at-age relationships of sampled Bull Trout, 2013 Peace River Fish Index Project.

Table 3.7 Mean length-at-age of sampled Bull Trout, 2013 Peace River Fish Index Project.

Age	Section 1		Section 3		Section 5	
	<i>n</i>	Mean Fork Length (± SE)	<i>n</i>	Mean Fork Length (± SE)	<i>n</i>	Mean Fork Length (± SE)
0						
1						
2	2	179.5 ± 8.5	19	220.1 ± 4.2	3	223.3 ± 2.3
3	13	263.1 ± 5.8	32	267.7 ± 6.1	15	279.2 ± 6.0
4	7	324.0 ± 20.7	18	339.3 ± 15.9	14	359.2 ± 15.8
5	3	405.3 ± 44.9	16	447.0 ± 20.1	4	441.5 ± 44.3
6	1	524.0	8	532.3 ± 17.2	3	546.0 ± 23.4
7			6	481.7 ± 25.4	1	430.0
8	2	758.0 ± 102.0	5	681.8 ± 36.8	3	749.7 ± 40.4
9	1	817.0	2	732.5 ± 8.5		
10			1	785.0	1	766.0
11			1	610.0		
12			1	838.0		
13						
14						
15						
16						

Table 3.8 Mean body condition (*K*) of sampled Bull Trout, 2013 Peace River Fish Index Project.

Age	Section 1		Section 3		Section 5	
	<i>n</i>	Mean Body Condition (± SE)	<i>n</i>	Mean Body Condition (± SE)	<i>n</i>	Mean Body Condition (± SE)
0						
1						
2	2	0.93 ± 0.03	19	1.03 ± 0.02	3	0.98 ± 0.06
3	12	1.07 ± 0.04	32	1.02 ± 0.02	15	1.06 ± 0.02
4	7	1.12 ± 0.05	18	1.00 ± 0.02	14	1.03 ± 0.02
5	3	1.07 ± 0.02	16	1.00 ± 0.03	4	1.08 ± 0.05
6	1	1.13	8	1.07 ± 0.04	3	0.99 ± 0.10
7			5	1.04 ± 0.01	1	0.95
8	2	0.97 ± 0.04	5	1.12 ± 0.08	3	1.04 ± 0.02
9	1	1.14	2	1.13 ± 0.03		
10			1	1.23	1	1.13
11			1	1.12		
12			1	0.88		
13						
14						
15						
16						

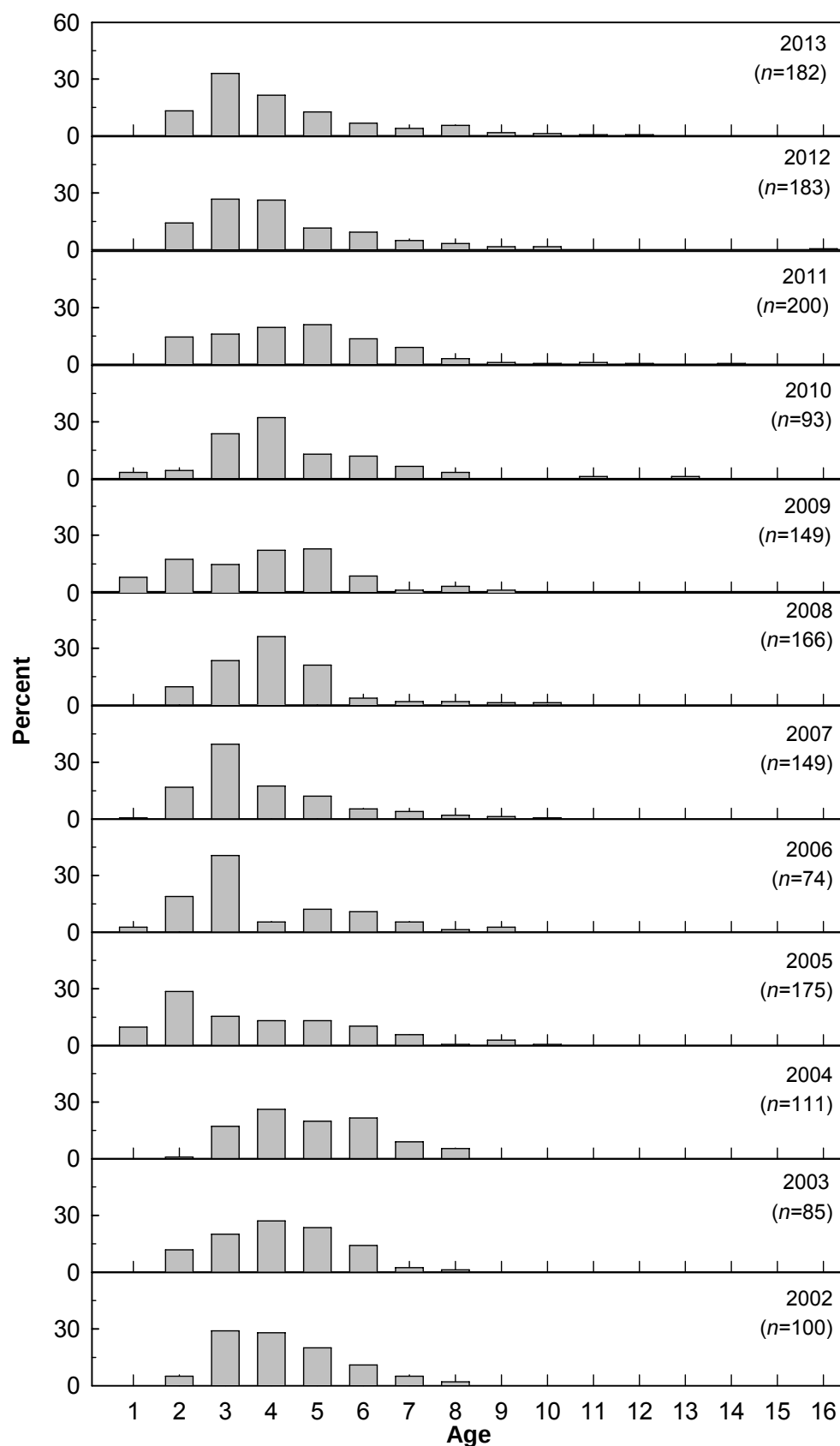


Figure 3.16 Age distributions of Bull Trout sampled during the Peace River Fish Index Project, 2002 to 2013 (data for all sections combined).

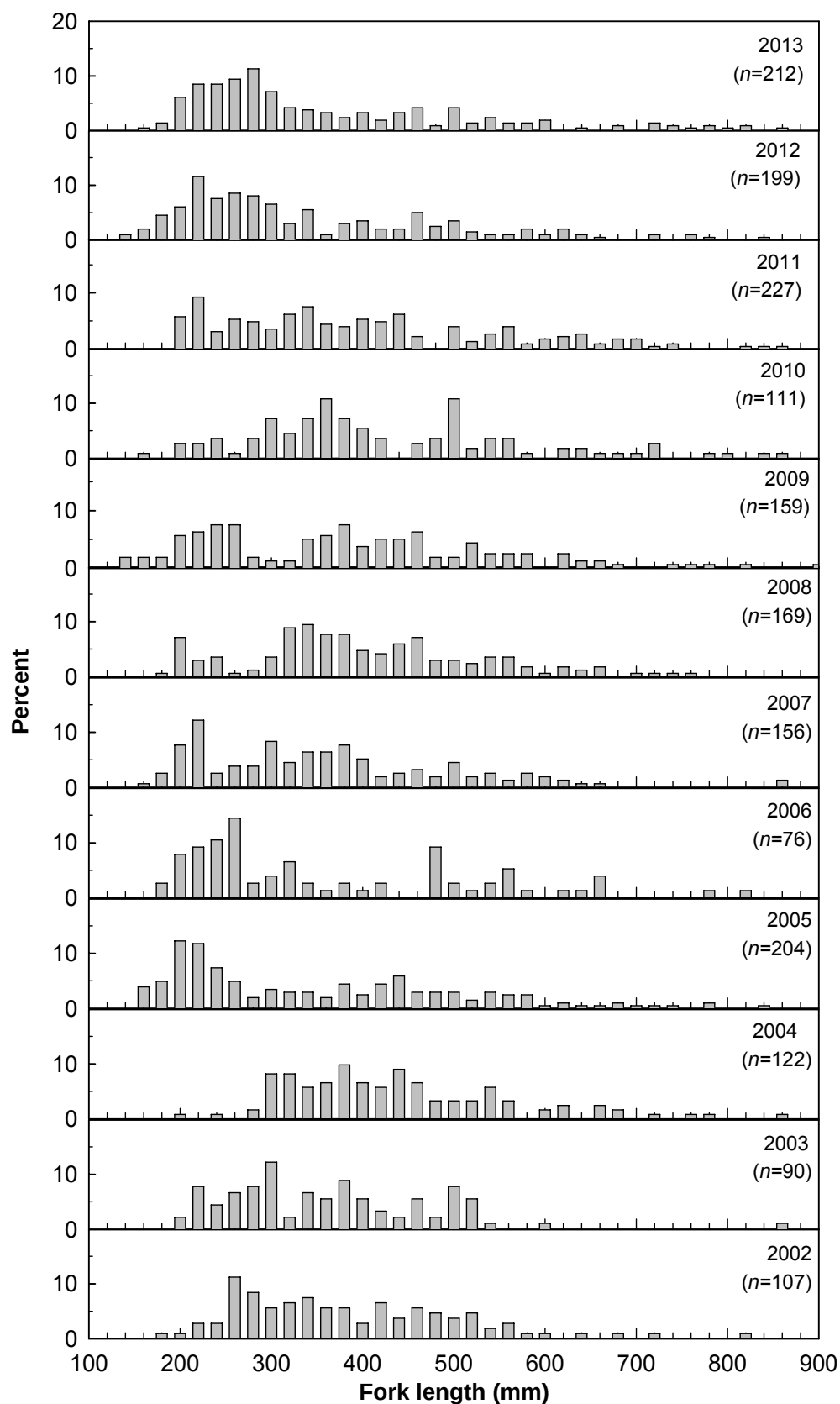


Figure 3.17 Length distributions of Bull Trout sampled during the Peace River Fish Index Project, 2002 to 2013 (data for all sections combined).

Annual growth rates of subadult fish (Ages 2 to 6) were compared using age-length slopes (Figure 3.18). Annual growth of subadult fish has been approximately 75 mm per year. In 2013, Bull Trout growth rate was 80.7 mm per year.

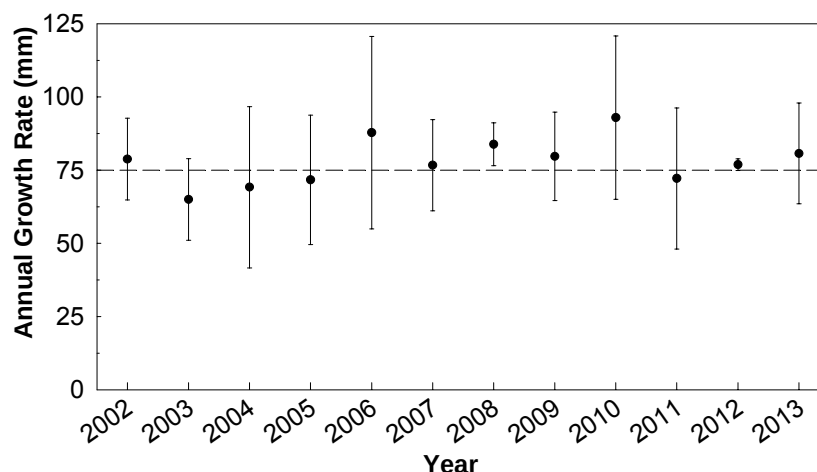


Figure 3.18 Growth rates of Bull Trout sampled during the Peace River Fish Index Project, 2002 to 2013 (analyses based on mean length-at-age; restricted to subadults [Age 2 to Age 6]; data from all sections combined).

Partitioning growth by length-at-age indicated that 2013 estimates were below the long term average for the six ages for which data were available; however, only two were significantly less than the long-term average based on 95% confidence intervals (Figure 3.19).

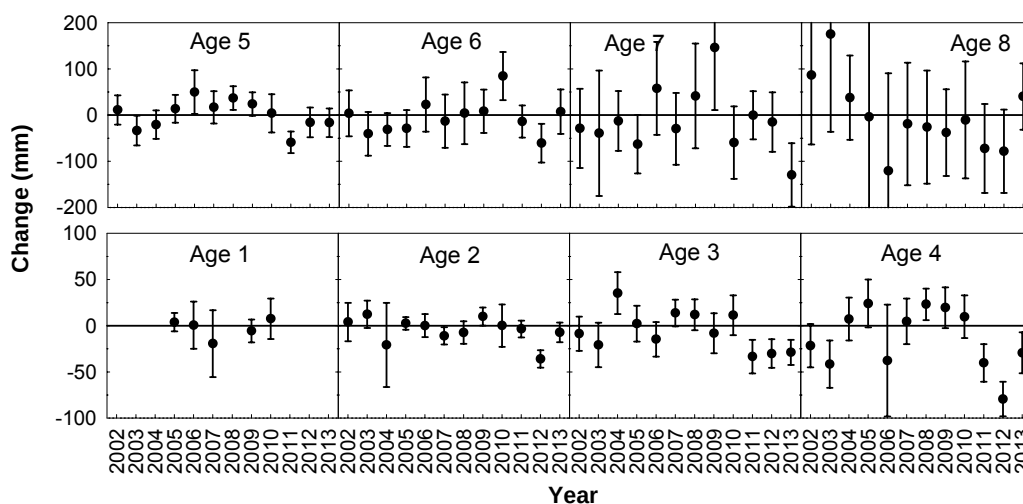


Figure 3.19 Change in mean length-at-age of Bull Trout sampled during the Peace River Fish Index Project, 2002 to 2013 (data from all sections combined; lines are 95% confidence intervals).

In contrast to length-at-age, only minor differences between years were recorded for estimates of body condition-at-age (Figure 3.20). The 2013 sample population did not differ from previous samples and few estimates were below the long-term average.

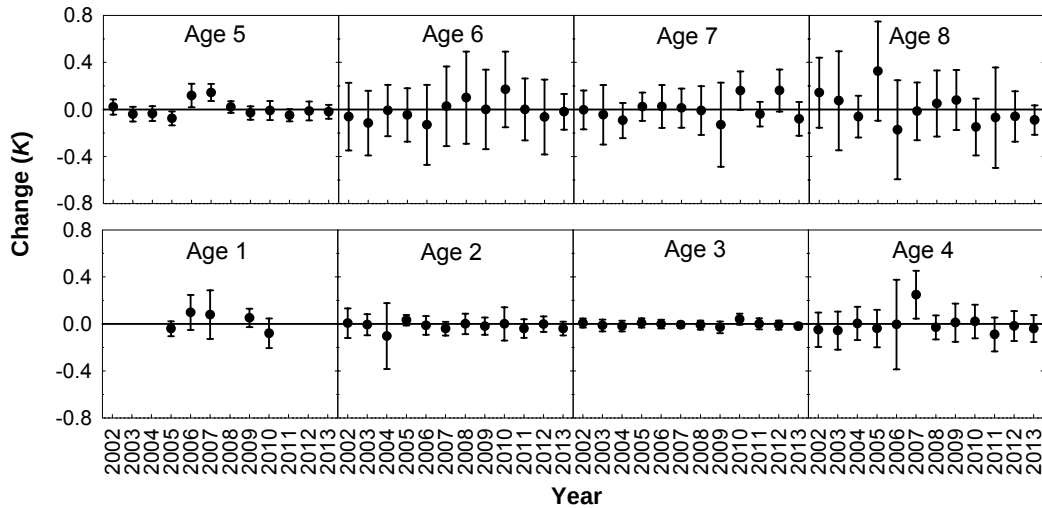


Figure 3.20 Mean body condition-at-age of Bull Trout sampled during the Peace River Fish Index Project, 2002 to 2013 (all sections combined; lines are 95% confidence intervals).

Mortality

Inspection of the catch curve for Bull Trout (all years and sections combined) indicates that the fish become fully vulnerable at Age 3 (Figure 3.21). The apparent annual mortality was 41%. As for the population age structure, the results should be interpreted with caution because of the scarcity of adult fish during the study period.

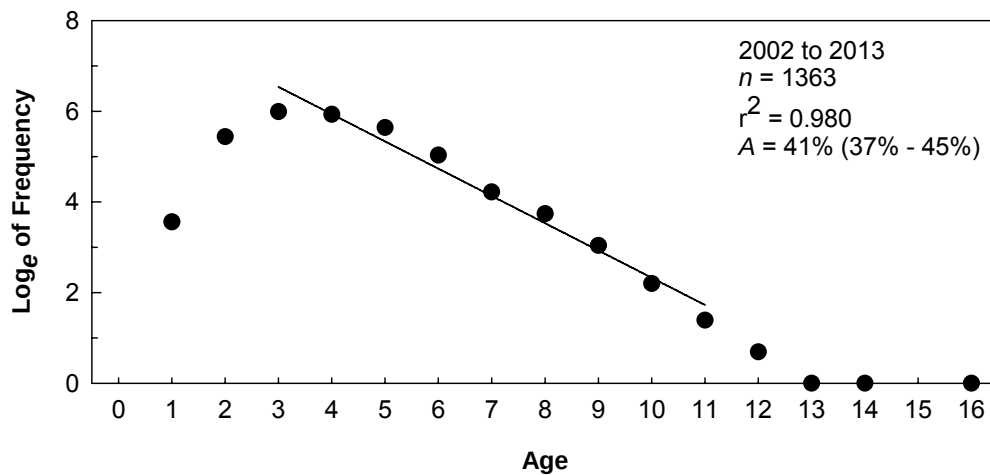


Figure 3.21 Catch curve annual mortality of Bull Trout sampled during the Peace River Fish Index Project, 2002 to 2012 (combined data from 2002 to 2013; percentages in brackets represent 95% confidence intervals).

3.4.2 Catch Rate

Spatial Comparisons

Bull Trout mean average catch rates were low in all three sections (≤ 1.3 fish/km) (Figure 3.22). Catch rates were highest in Section 3, intermediate in Section 5, and lowest in Section 1.

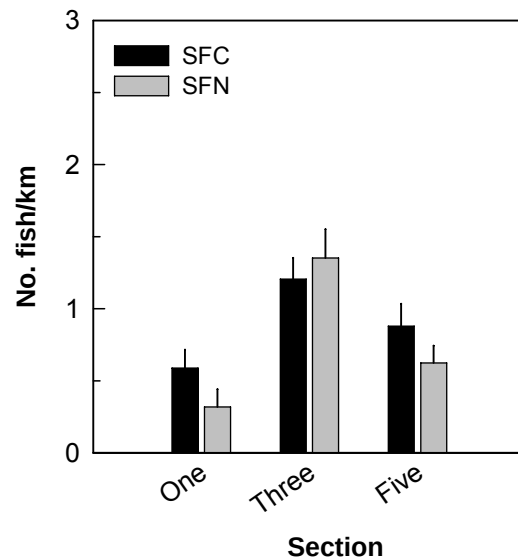


Figure 3.22 Mean catch rates of Bull Trout stratified by section and habitat type, 2013 Peace River Fish Index Project (vertical lines represent standard error; see Table 2.1 for sample sizes and Table 2.2 for definitions of habitat type).

Annual Comparisons

Bull Trout catch rates have been consistently below < 2.00 fish/km in all sections during all sample years (Figure 3.23). In Section 1, the 2013 mean catch rate was at the lower end of the range recorded since 2002 (0.48 fish/km). In Sections 3 and 5, 2013 mean catch rates were similar to values recorded since 2002 (1.27 fish/km and 0.76 fish per km, respectively). The results represent the abundance of subadult fish and may not accurately reflect the abundance of adult Bull Trout because these fish were predicted to be in spawning tributaries at the time of the field program.

3.4.3 Recruitment

Age 3 Bull Trout were recorded in each section during all years of the study when sampling occurred, but the recruitment index was at or below 1.6 fish/km (Figure 3.24). Annual recruitment of this age class has varied in all sections; however, since 2009 there has been a general increasing trend in Sections 1 and 3.

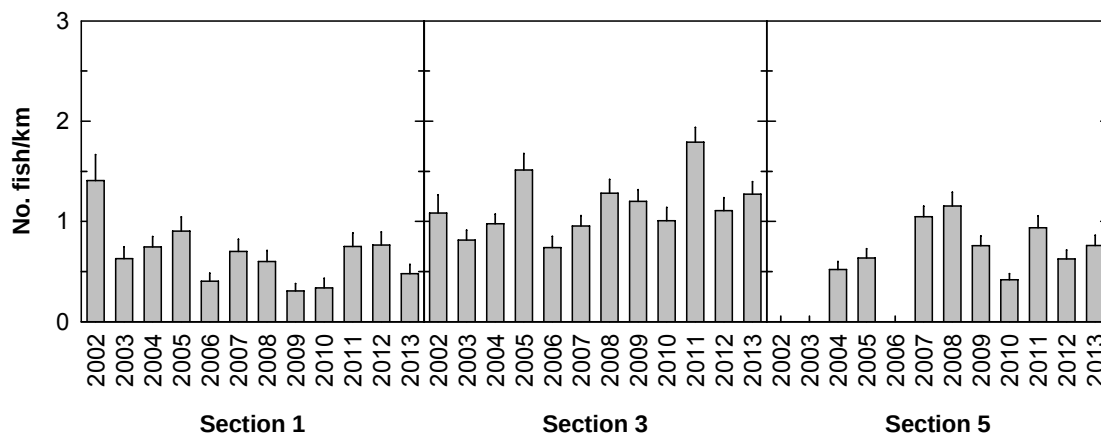


Figure 3.23 Mean catch rates of Bull Trout during the Peace River Fish Index Project, 2002 to 2013 (based on combined weighted means and standard errors for SFC and SFN habitats; vertical lines represent standard errors; Section 5 not sampled in 2002, 2003, and 2006).

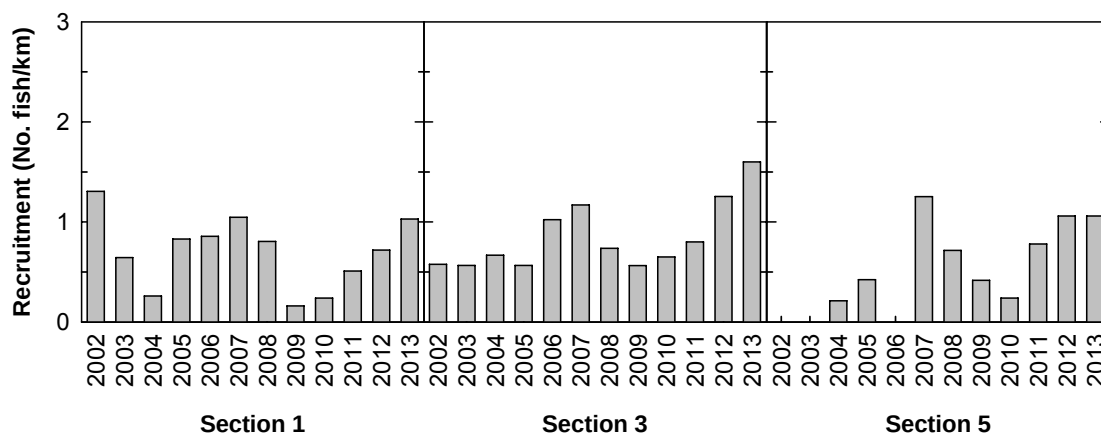


Figure 3.24 Recruitment index of Age 3 Bull Trout in Sections 1, 3, and 5 during the Peace River Fish Index Project, 2002 to 2012 (see Section 2.2.5 for definition of age groups; Section 5 not sampled in 2002, 2003, and 2006).

3.5 MOUNTAIN WHITEFISH

3.5.1 Biological Characteristics

In total, 7,051 Mountain Whitefish fish were available for analyses. Fork lengths ranged from 76 mm to 488 mm with ages ranging from Age 0 to Age 12. A random sample of 550 Mountain Whitefish was aged for biological characteristics analyses (12.8% of the total). Numbers of aged Mountain Whitefish were as follows – 150 from Section 1, 238 from Section 3, and 162 from Section 5

Spatial Comparisons

A comparison of length and age distributions of Mountain Whitefish indicated that there were spatial differences in sampled populations (Figure 3.25). All three samples exhibited a truncated length

distribution with a large modal peak -- 280 mm in Section 1, 370 in Section 3, and 380 in Section 5. A smaller secondary modal peak was recorded in Sections 3 and 5 (240 mm in Section 3 and 230 in Section 5). This pattern was not demonstrated by the age distribution. Age 4 and Age 5 fish dominated in each section (47% to 64% of sample).

There were apparent differences between sections in Mountain Whitefish growth (Figure 3.25; Table 3.9). Higher growth rate of older fish was recorded in Sections 3 and 5 compared to Section 1. Visual examination of growth curves and length-at-age results suggested spatial differences in growth. Younger fish (< Age 4) tended to be larger in Section 1 compared to those in Sections 3 and 5, and the reverse was true for older fish. Differences in length-at-age also suggest a lower growth rate of sampled Mountain Whitefish in Section 1 compared to Sections 3 and 5. This pattern was similar to results recorded during previous studies.

Table 3.9 Mean length-at-age of sampled Mountain Whitefish, 2013 Peace River Fish Index Project.

Age	Section 1		Section 3		Section 5	
	<i>n</i>	Mean Fork Length ($\pm$ SE)	<i>n</i>	Mean Fork Length ($\pm$ SE)	<i>n</i>	Mean Fork Length ($\pm$ SE)
0			2	89.5 $\pm$ 2.5	1	76.0
1			6	156.7 $\pm$ 7.3	7	150.1 $\pm$ 3.6
2	1	199.0	6	194.2 $\pm$ 8.3	6	207.3 $\pm$ 3.3
3	11	254.4 $\pm$ 5.0	13	242.5 $\pm$ 4.7	6	224.5 $\pm$ 4.1
4	50	269.8 $\pm$ 1.9	59	272.0 $\pm$ 2.1	37	267.2 $\pm$ 2.8
5	46	296.7 $\pm$ 2.6	82	291.2 $\pm$ 1.9	39	290.8 $\pm$ 2.7
6	21	306.3 $\pm$ 2.5	35	315.3 $\pm$ 4.1	32	320.5 $\pm$ 4.1
7	7	330.3 $\pm$ 5.2	19	342.5 $\pm$ 4.2	19	347.7 $\pm$ 4.7
8	7	342.6 $\pm$ 7.4	3	384.7 $\pm$ 5.2	3	368.7 $\pm$ 17.2
9	6	369.3 $\pm$ 7.6	2	361.5 $\pm$ 3.5	4	380.3 $\pm$ 8.0
10	1	377.0	7	399.9 $\pm$ 7.8	2	414.5 $\pm$ 2.5
11			2	409.5 $\pm$ 8.5	5	418.6 $\pm$ 7.6
12			2	415.0 $\pm$ 12.0	1	476.0
13						
14						
15						

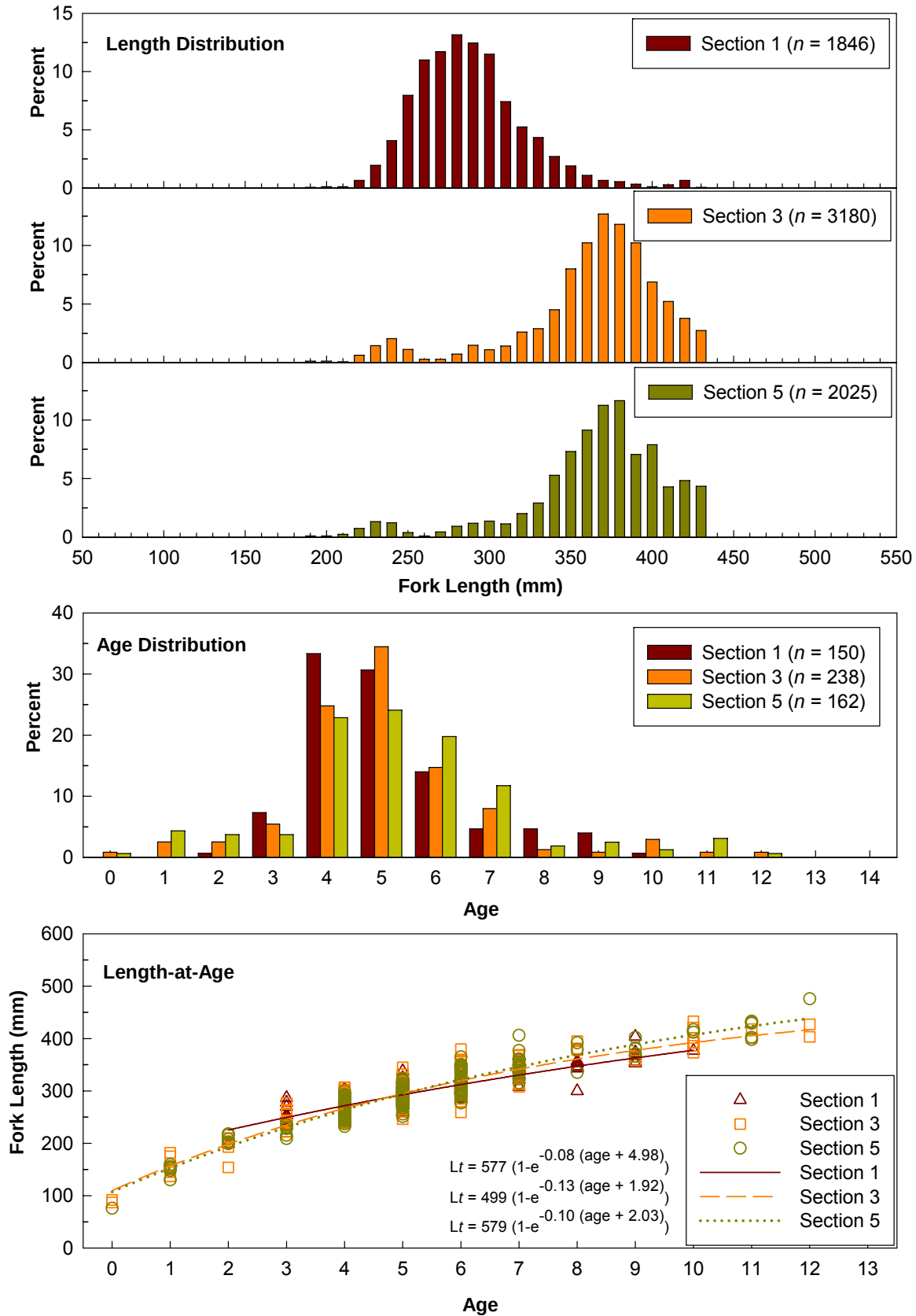


Figure 3.25 Length and age distributions and length-at-age relationships of sampled Mountain Whitefish, 2013 Peace River Fish Index Project.

The body condition-at-age results suggested spatial differences in growth (Table 3.10). Age classes in Section 1 exhibited higher mean body condition than comparable age classes in Section 3 and Section 5.

Table 3.10 Mean body condition (*K*) of sampled Mountain Whitefish, 2013
Peace River Fish Index Project.

Age	Section 1		Section 3		Section 5	
	<i>n</i>	Mean Body Condition ($\pm$ SE)	<i>n</i>	Mean Body Condition ($\pm$ SE)	<i>n</i>	Mean Body Condition ($\pm$ SE)
0			2	0.84 ± 0.07	1	0.91
1			6	1.16 ± 0.01	7	1.16 ± 0.04
2	1	1.19	6	1.11 ± 0.02	6	1.07 ± 0.04
3	11	1.18 ± 0.02	13	1.11 ± 0.02	6	1.11 ± 0.06
4	50	1.25 ± 0.01	59	1.08 ± 0.01	37	1.09 ± 0.02
5	46	1.17 ± 0.02	82	1.04 ± 0.01	39	1.03 ± 0.02
6	21	1.12 ± 0.02	35	0.96 ± 0.02	32	0.95 ± 0.02
7	7	1.14 ± 0.04	19	0.91 ± 0.02	19	0.89 ± 0.02
8	7	1.06 ± 0.05	3	0.88 ± 0.04	3	0.91 ± 0.03
9	6	1.01 ± 0.03	2	0.79	4	0.83 ± 0.02
10	1	1.06	7	0.87 ± 0.04	2	1.15 ± 0.09
11			2	0.91 ± 0.10	5	0.86 ± 0.04
12			2	1.06 ± 0.11	1	0.83
13						
14						
15						

Annual Comparisons

Age and length distributions of sampled Mountain Whitefish in Section 1 have generally remained stable between 2002 and 2013 but changes have occurred in Section 3 and Section 5 (Figure 3.26 and 3.27). Section 1 age and length distributions were primarily unimodal and exhibited weak contributions of younger fish ($\leq$ Age 2) and rapid declines in the percentage of fish older than Age 7. In Section 3 and Section 5, age and length distributions generally remained stable between 2002 and 2009. Prior to 2010, younger and older fish were well represented in Section 3 and Section 5. Since 2010, there has been a shift towards a population structure similar to that of Section 1. Age and length distributions of sample populations in 2013 were similar to those recorded in 2010, 2011, and 2012.

Comparisons of Mountain Whitefish growth curves indicated changes over time (Figure 3.28). In 2013, growth curves of sample populations in all three sections were similar to results of 2010, 2011, and 2012 – growth curves were below those recorded from 2002 to 2010. Comparisons of 2013 anabolic constant estimates to 2012 indicated decreases in Sections 1 and 3 and a slight increase in Section 5 (Figure 3.29). The changes were not significantly different based on 95% confidence intervals.

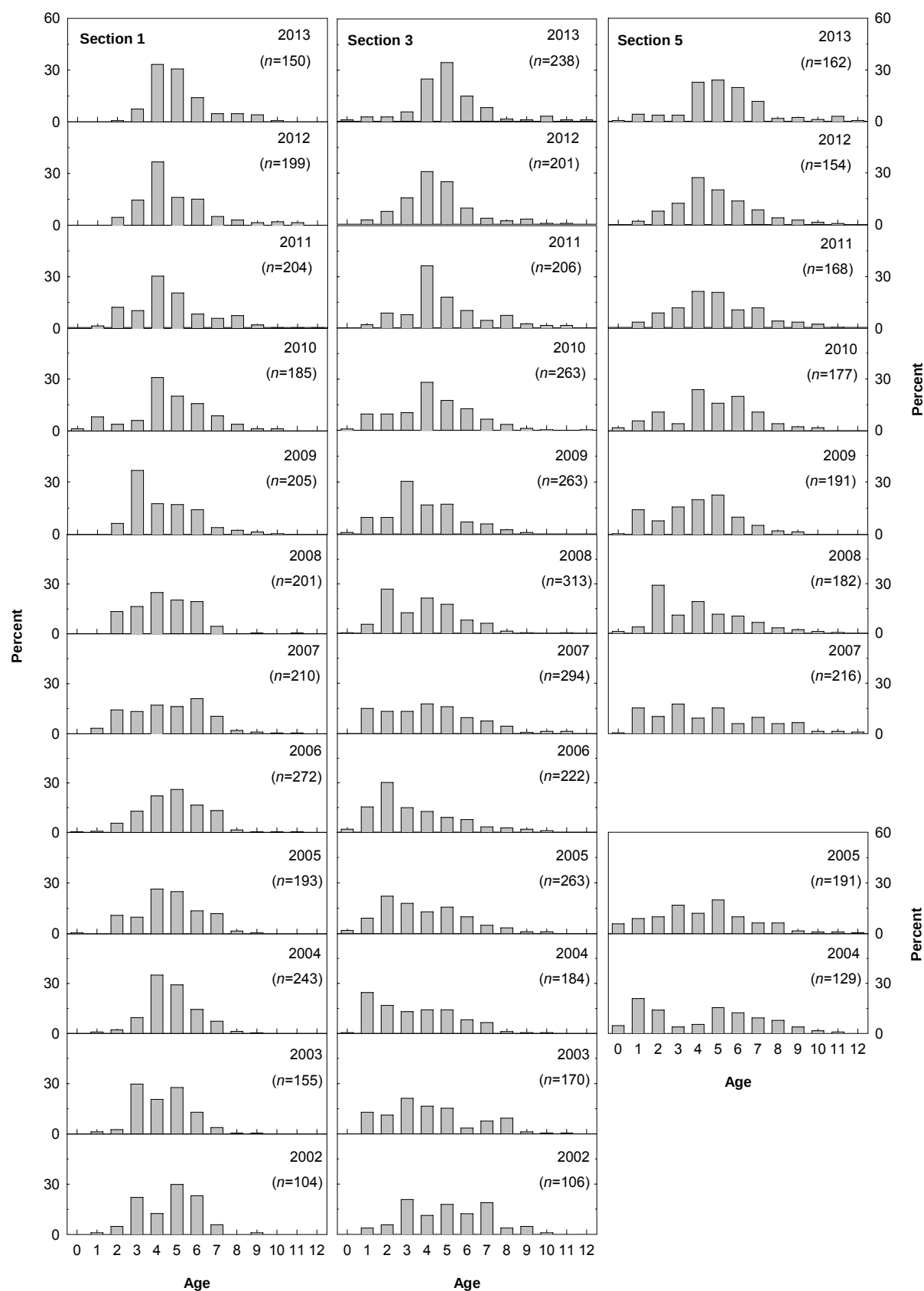


Figure 3.26 Age distributions of Mountain Whitefish sampled during the Peace River Fish Index Project, 2002 to 2013.

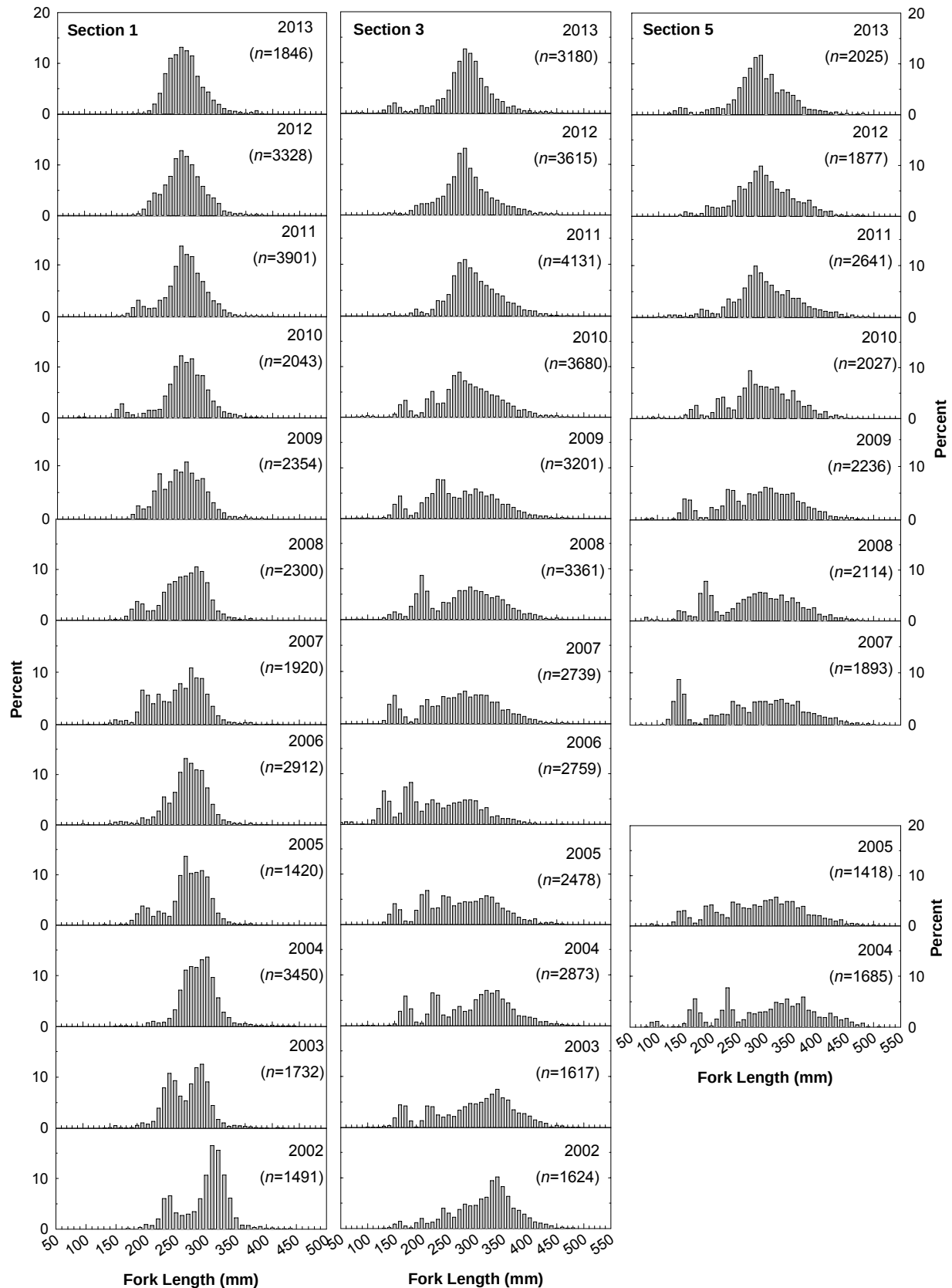


Figure 3.27 Length distributions of Mountain Whitefish sampled during the Peace River Fish Index Project, 2002 to 2013.

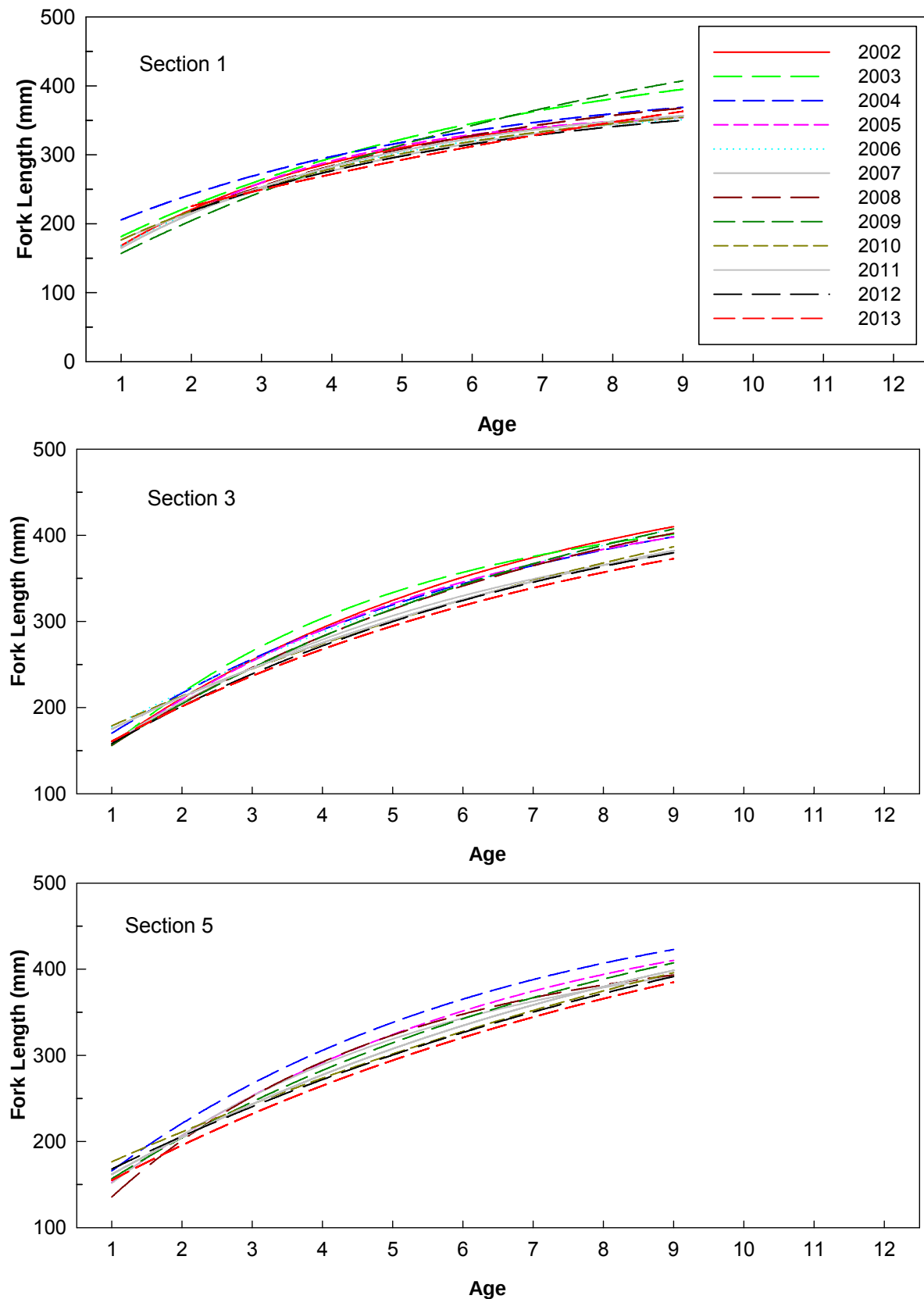


Figure 3.28 Comparisons of growth curves of Mountain Whitefish sampled during the Peace River Fish Index Project, 2002 to 2013 (growth curves restricted to Ages 1 to 9).

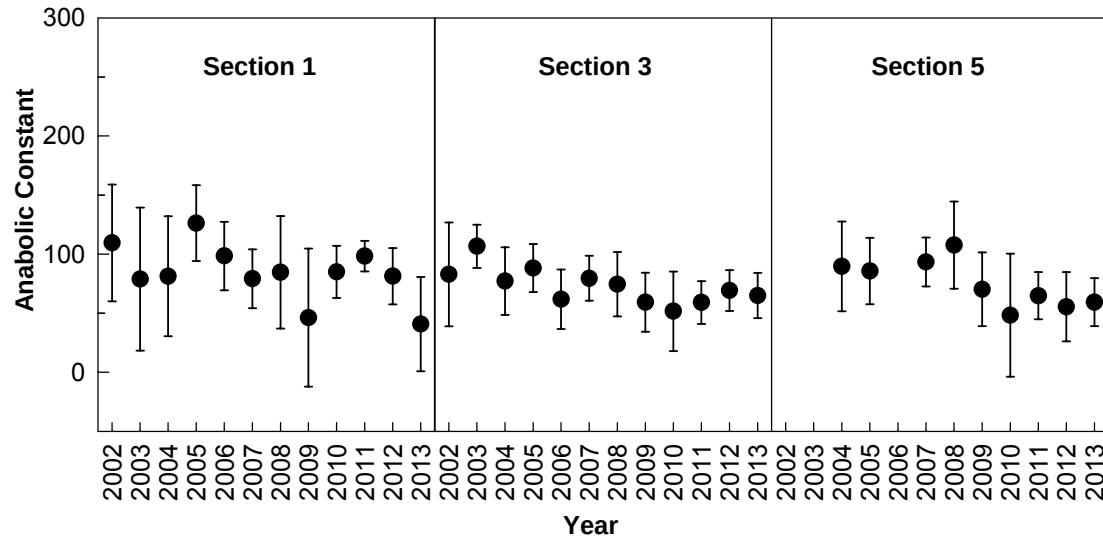


Figure 3.29 Anabolic constants of Mountain Whitefish sampled during the Peace River Fish Index Project, 2002 to 2013 (analyses restricted to Ages 1 to 9; vertical lines represent 95% confidence intervals).

Partitioning Mountain Whitefish growth by age indicated a decline in 2013 (Figure 3.30). In all three sections, most ages exhibited lower growth when compared to the long term average. Exceptions included Age 8 in Section 1, and Age 2 in Section 5. Several values recorded in 2013 were significantly lower than the long term average based on the 95% confidence intervals. Most estimates were similar to and were not significantly different from 2012 values.

There were mixed results for Mountain Whitefish body condition estimates recorded in 2013 (Figure 3.31). In Section 1, the majority of condition-at-age estimates were above the long-term average. In Section 3 and Section 5, the majority of Mountain Whitefish body condition-at-age estimates were below the long-term average. Exceptions included Age 2 and Age 3 fish in Section 3 and Age 1 and Age 2 fish in Section 5. The majority were significantly lower than the long term average based on the 95% confidence intervals. Despite the decline in body condition most estimates were similar to and were not significantly different from 2012 values.

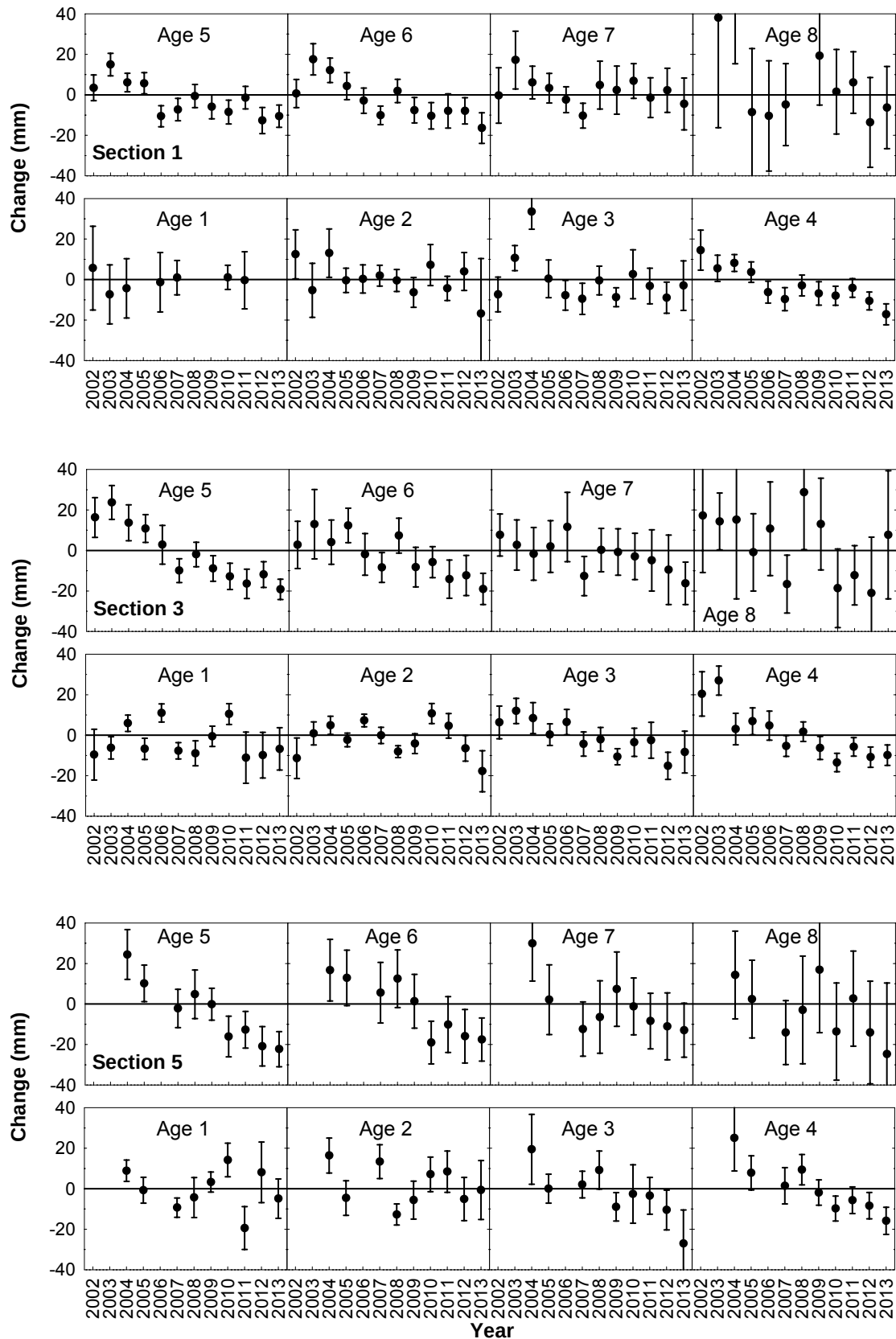


Figure 3.30 Change in mean length-at-age of Mountain Whitefish during the Peace River Fish Index Project, 2002 to 2013 (vertical lines are 95% confidence intervals).

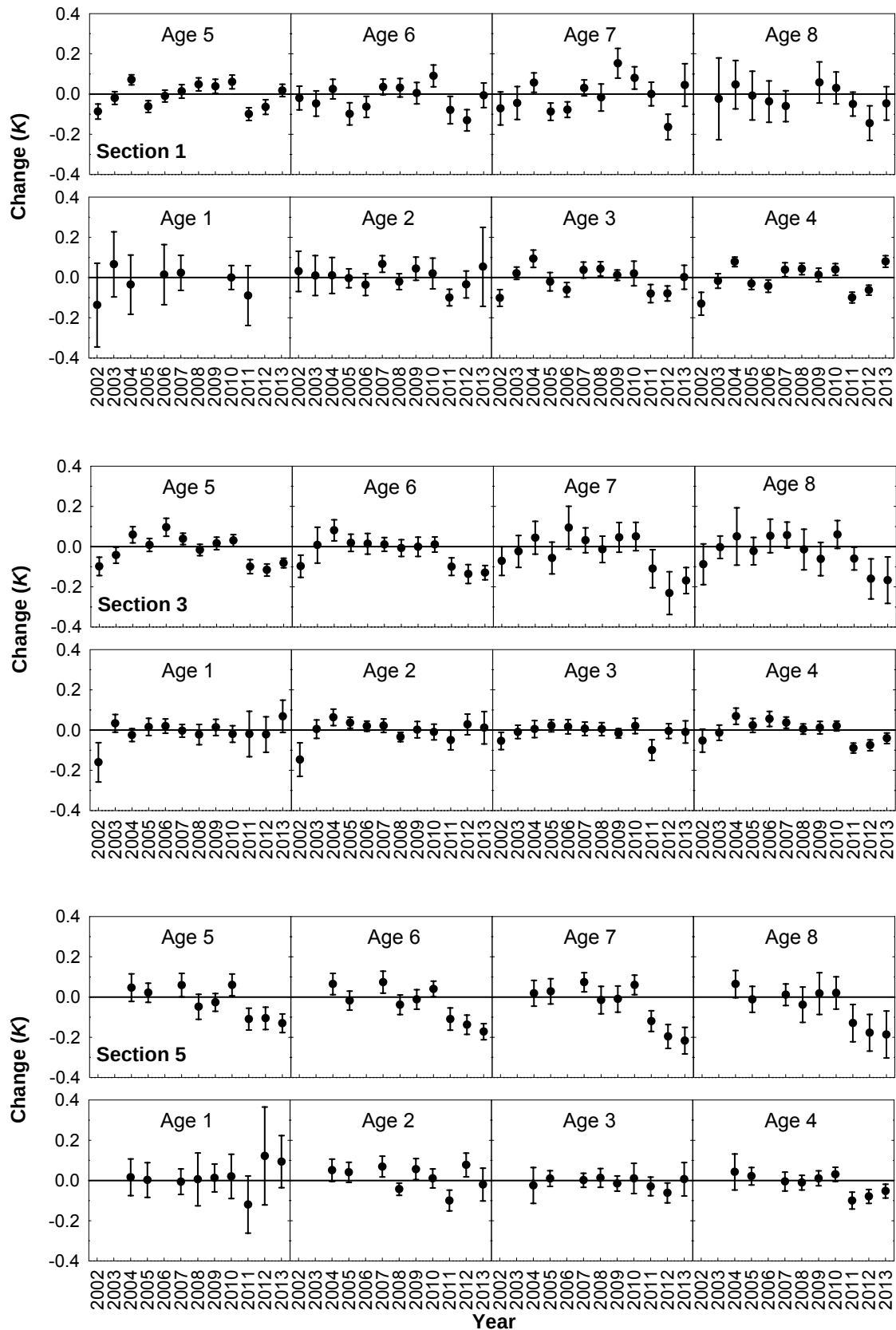


Figure 3.31 Change in mean body condition-at-age of Mountain Whitefish during the Peace River Fish Index Project, 2002 to 2013 (vertical lines are 95% confidence intervals).

Mortality

The catch curve of Mountain Whitefish in each section indicated that fish were fully recruited at Age 1 (Sections 3 and 5) or Age 3 (Section 1), but the downward trend in catch did not commence until Age 5 (Figure 3.32). The apparent annual mortality was highest in Section 1 (55%), intermediate in Section 3 (48%), and lowest in Section 5 (43%). Based on 95% confidence intervals, annual mortality in Section 1 was significantly higher compared to Section 5.

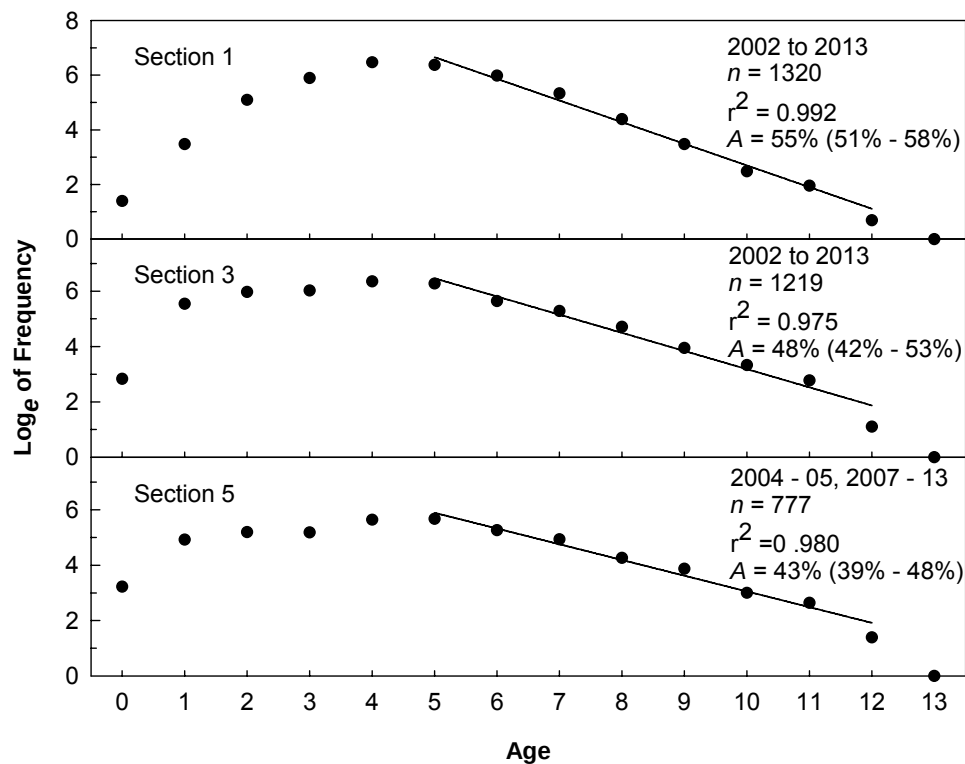


Figure 3.32 Catch curve annual mortality of Mountain Whitefish sampled during the Peace River Fish Index Project, 2002 to 2013 (combined data from 2002 to 2012; percentages in brackets represent 95% confidence intervals).

3.5.2 Catch Rate

Spatial Comparisons

Average catch rates of Mountain Whitefish were high in all sections (values ranged from 25 fish/km to 27 fish/km). There were differences between sections and between habitats within each section (Figure 3.33). Highest catch rates were recorded in Section 1, intermediate catch rates were recorded in Section 3, and lowest catch rates were recorded in Section 5. In each section, mean catch rates were higher in SFN habitats compared to mean catch rates in SFC habitat. The greatest difference occurred in Section 1 (39.3 fish/km versus 17.1 fish/km, respectively).

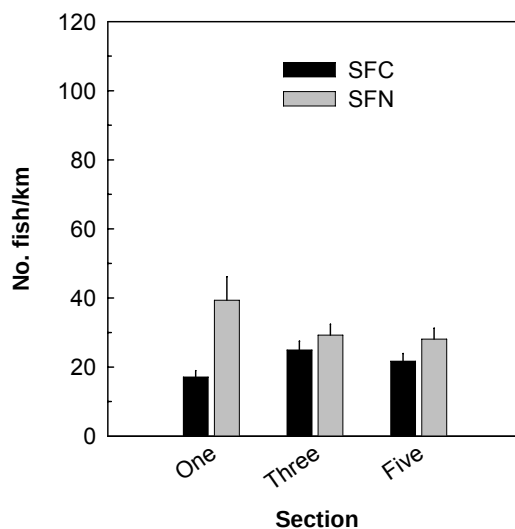


Figure 3.33 Mean catch rates of Mountain Whitefish stratified by section and habitat type, 2013 Peace River Fish Index Project (vertical lines represent standard error; see Table 2.1 for sample sizes and Table 2.2 for definitions of habitat type).

Annual Comparisons

Average catch rates in 2013 of Mountain Whitefish were > 20 fish/km in all sections (Figure 3.34). Although relatively high, the 2013 catch rates represent a continued decline from the values recorded in 2011, which was a year with the highest recorded Mountain Whitefish numbers since the start of the Peace River Index Project. The magnitude of the decline differed between sections. In Section 1, Mountain Whitefish catch rates decreased from 76 fish per km in 2011 to 29 fish per km in 2013. The magnitude of the decline was not as large in Section 3 and Section 5. Catch rates decreased from 51 fish per km to 27 fish per km in Section 3 and from 44 fish per km to 25 fish per km in Section 5. The catch rates recorded in Section in 2013 were the lowest or near lowest catch rates on record.

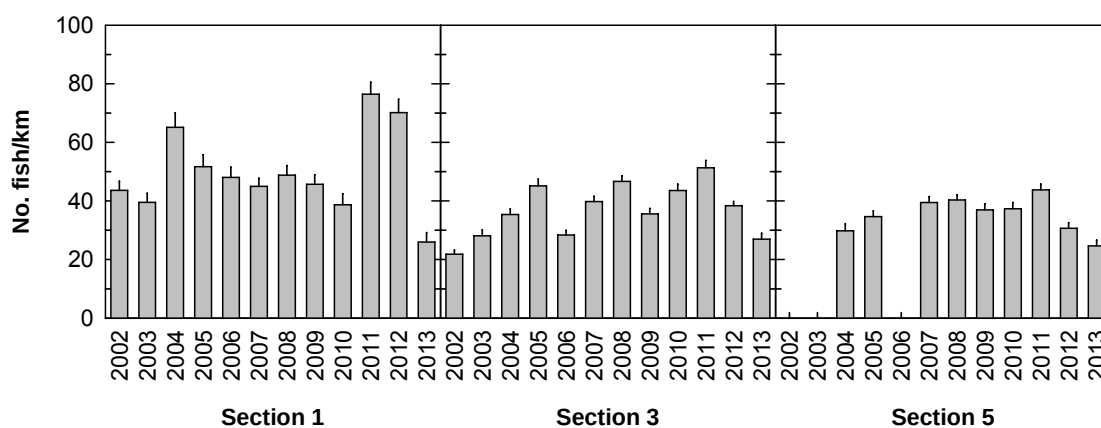


Figure 3.34 Mean catch rates of Mountain Whitefish during the Peace River Fish Index Project, 2002 to 2013 (based on combined weighted means and standard errors for SFC and SFN habitats; vertical lines represent standard errors; Section 5 not sampled in 2002, 2003, and 2006).

3.5.3 Recruitment

Recruitment of Age 1 Mountain Whitefish has varied annually and has differed between sections (Figure 3.35). During most years recruitment indices were much lower in Section 1 compared to Sections 3 and 5. Recruitment indices in 2013 were 0 fish per km in Section 1, 9.2 fish/km in Section 3, and 6.1 fish per km in Section 5. The 2013 recruitment indices for Section 3 and Section 5 represent an increase from values recorded in 2012, which were the lowest or near lowest values on record.

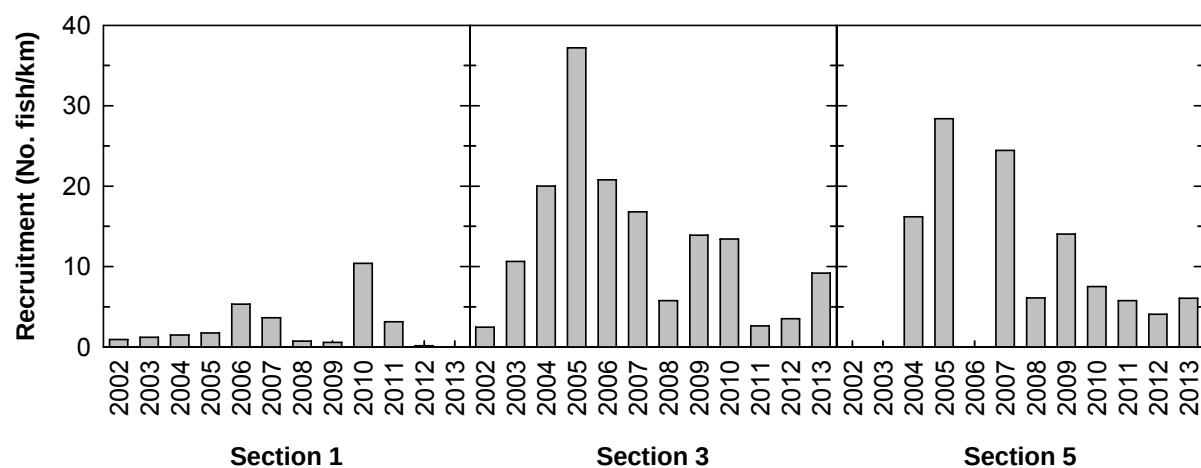


Figure 3.35 Recruitment index of Age 1 Mountain Whitefish in Sections 1, 3, and 5 during the Peace River Fish Index Project, 2002 to 2013 (see Section 2.2.5 for definition of age groups; Section 5 not sampled in 2002, 2003, and 2006).

3.6 POPULATION ESTIMATES

Detailed population estimation results are in Appendix E. A summary of the pertinent results follows.

3.6.1 Mountain Whitefish

Mountain Whitefish had sufficient number of encounters and recaptures of marked fish to evaluate many characteristics that may impact or help to explain the behaviour of population estimates. The recovery rates of tags in 2013 applied in 2002 through 2004 were erratic. Therefore, we restricted population estimates to pit tags applied post 2004. The recovery rates of pit tags applied in other years and river sections were very consistent with the exception of high recapture rates of tags applied in river Section 5 during 2007. Consistent with past studies, small fish (250 - 260 mm) appear to be under-represented in the recapture record. However, there was not sufficient power for a significant difference in size of unmarked fish in comparison to the recapture of marked fish to be detected. Multiple recaptures declined over the study period consistent with apparent mortality (either death or emigration from the study area). Growth over the study period was small (1.2 mm, approximately), but statistically significant. The number of unmarked fish entering the population (≥ 250 mm) through growth during the study period (termed growth recruitment) should be small. Limited growth also allowed length measurement error to be evaluated (standard deviation of 2.1 mm for each measurement). Mountain Whitefish exhibited little movement between river sections and within a section most fish were recaptured at the same site-of-release. The CJS analysis confirmed apparent mortality of tagged Mountain Whitefish over the study, particularly in river Section 5 (Table 2.5). The instantaneous daily mortalities were used as an input to estimate marks available for recapture (see Equation 6) used by the ADMB time varying catchability and the sequential Bayes population models.

The evaluation of alternative closed population models using the encounter history of individual fish with consistent sampling intensity through program MARK resulted in the identification of time varying capture probability model as the best fit to the data followed by the constant capture probability model based on AIC. In all sections, the heterogeneous capture probability model provided the poorest fit to the data. Sensible estimates could not be obtained for the behaviour model.

Despite the constant sampling effort, the sample size (marked and unmarked) collected in each sequence exhibited significant variation. The more direct test of time varying catchability using ADMB resulted in a better fit with time varying catchability in Sections 3 and 5; however, in Section 1 the constant catchability model fit the data better. The logarithmic population deviation estimates showed no apparent trend or large deviations in Section 1, the deviations were most variable for Section 3 and the deviations

increased over time in Section 5. Population estimates were very similar (within 6%) regardless of the model (constant catchability or time varying catchability).

The sequential posterior probability plots through the application of the Bayes sequential model (the sequential posterior probability plots should stabilize about a common mode if the model assumptions hold) revealed convergent distributions in all sections. Sensitivity analysis through the application of mortality (annual instantaneous rates of 0.2 to 0.6) and undetected mark rate (1 to 5%) had little (<5% change) impact on the population estimates.

A summary of the 2013 population estimates for the Bayes sequential model are given in Table 3.11. Bar plots of the population estimates for the 2002 to 2013 studies with sections common to 2013 are provided in Figure 3.36. Population estimates from previous studies (prior to 2013) that were deemed to have substantive assumption violations or to measure a different population are labeled in the figure as suspect. In 2004 the population estimates appeared valid; however, very low water likely concentrated the fish from locations that were not sampled in other years. Similarly, the population estimates for 2010 are the largest on record and coincide with a low water level. The population estimates in 2013 are similar to those obtained 2002 through 2009 and 2012. The reliability of the 2013 population estimates is discussed below (see 4.4.2 Reliability of Estimates).

Table 3.11 Population estimates by section for Mountain Whitefish, 2013 Peace River Fish Index Project.

Section	Bayesian Mean	MLE	95% Highest Probability Density		Standard Deviation	CV (%)
			Low	High		
One	13,693	13,615	11,450	16,060	1,182	8.6
Three	9,817	9,803	8,980	10,680	432	4.4
Five	7,731	7,708	6,835	8,665	466	6.0
Total	31,241		28,610	33,872	1,342	4.3

3.6.2 Arctic Grayling

No Arctic Grayling were captured; thus population estimates were not computed.

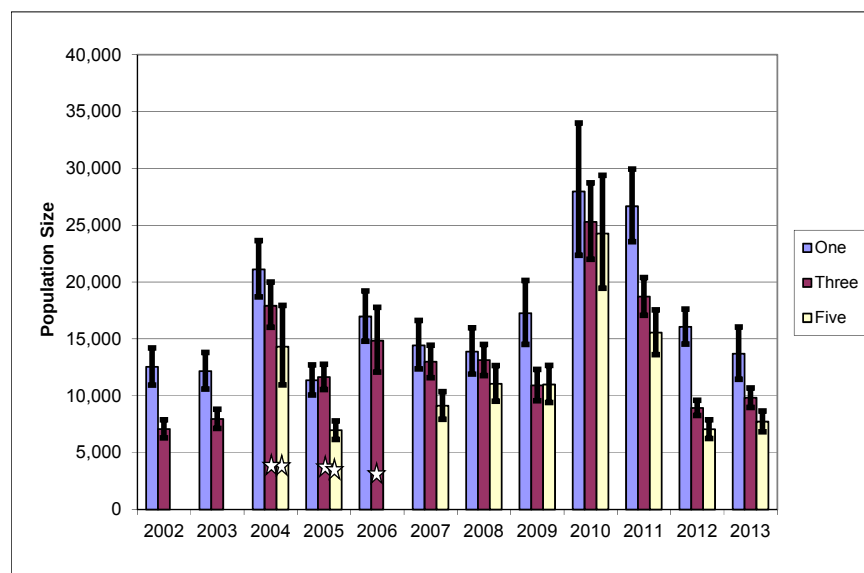


Figure 3.36 Mountain Whitefish population estimates from 2002 to 2013, Peace River Fish Index Project (vertical lines represent 95% confidence intervals; star indicates suspect population estimate).

3.6.3 Bull Trout

Only a single Bull Trout was captured in Section 1; thus population estimates were not computed for this section. A summary of the 2013 population estimates for Sections 3 and 5 for the Bayes sequential model are given in Table 3.12. A bar plot of the population estimates for the 2002 to 2013 studies with sections common to 2013 is provided in Figure 3.37.

Table 3.12 Population estimates in Sections 3 and 5 for Bull Trout, 2013 Peace River Fish Index Project.

Section	Bayesian Mean	MLE	95% Highest Probability Density		Standard Deviation	CV (%)
			Low	High		
Three	237	228	144	350	56	23.6
Five	170	148	59	337	87	51.4
Total	407		204	610	104	25.5

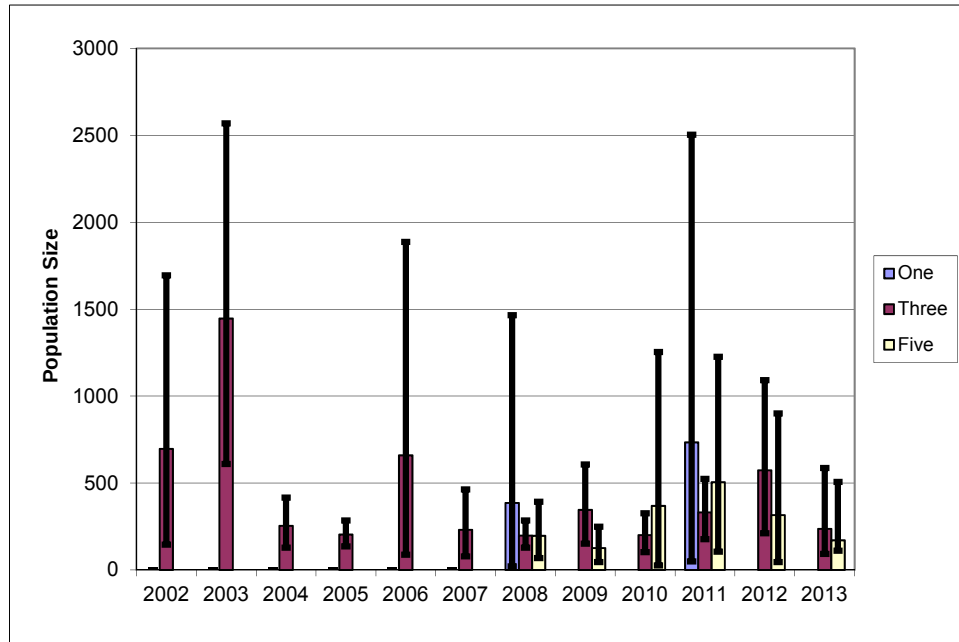


Figure 3.37 Bull Trout population estimates by section from 2002 to 2013, Peace River Fish Index Project (vertical lines represent 95% confidence intervals).

3.7 CATCHABILITY

Mountain Whitefish had sufficient number of recaptures to compute catchability coefficients based on the Bayesian sequential estimates. The catchability coefficients and associated population estimates, standard deviation estimates and effort (Equations 9 to 11) by section are listed in Tables 3.13 and 3.14 using effort measured in kilometers traveled or the hours of electrofishing to collect the samples, respectively. Figure 3.38 plots the catchability coefficients using both effort measures and the associated 95% confidence intervals. Note that the coefficients were not consistent for river sections within 2013. However, the coefficient for river Section 1 was consistent with historical values while the coefficients for river Sections 3 and 5 were similar to those estimated in 2012.

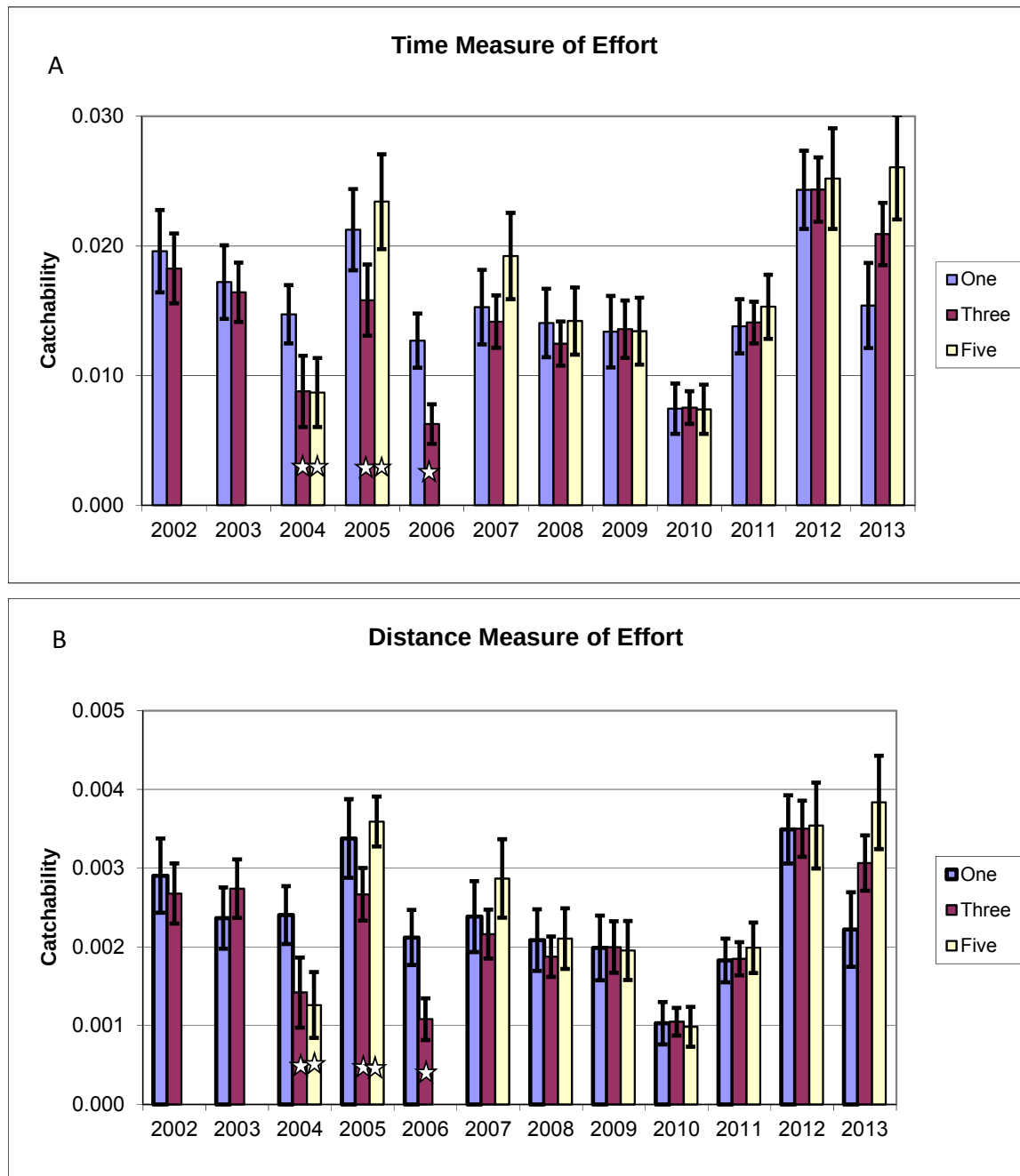


Figure 3.38 Catchability using time (hours – top graph) and distance (km – bottom graph) by section for Mountain Whitefish from 2002 to 2012, Peace River Fish Index Project (vertical lines represent 95% CI; star indicates a suspect population estimate).

Table 3.13 Catchability of Mountain Whitefish by section (effort in kilometres) during the Peace River Fish Index Project, 2002 to 2013.

Statistic	Section					Total
	One	Two	Three	Four	Five	
2002 Study						
Sample	2,845	2,611	2,363	2,105		9,924
Effort	78.13	90.90	124.85	119.34		413.22
Abundance (N)	12,534	10,587	7,066	6,045		36,232
SD(1/N)	5.614E-06	6.493E-06	8.794E-06	1.024E-05		3.998E-06
Catchability (q)	2.905E-03	2.713E-03	2.679E-03	2.918E-03		2.804E-03
SD(q)	2.044E-04	1.865E-04	1.665E-04	1.805E-04		9.602E-05
CV(q)	7.0%	6.9%	6.2%	6.2%		3.4%
2003 Study						
Sample	2,145	1,896	2,546	1,883		8,470
Effort	74.51	86.98	116.80	112.24		390.53
Abundance (N)	12,165	8,911	7,955	7,252		36,283
SD(1/N)	5.876E-06	7.591E-06	7.388E-06	1.039E-05		3.989E-06
Catchability (q)	2.367E-03	2.446E-03	2.740E-03	2.313E-03		2.467E-03
SD(q)	1.692E-04	1.655E-04	1.610E-04	1.743E-04		8.652E-05
CV(q)	7.1%	6.8%	5.9%	7.5%		3.5%
2004 Study						
Sample	3,514		2,972		1,549	8,035
Effort	69.16		116.80		85.18	271.13
Abundance (N)	21,121		17,912		14,409	53,442
SD(1/N)	2.959E-06		7.388E-06		8.969E-06	3.997E-06
Catchability (q)	2.406E-03		1.421E-03		1.262E-03	1.696E-03
SD(q)	1.504E-04		1.880E-04		1.631E-04	1.184E-04
CV(q)	6.2%		13.2%		12.9%	7.0%
2005 Study						
Sample	2,777		3,624		2,132	8,533
Effort	72.34		116.80		85.18	274.32
Abundance (N)	11,370		11,628		6,969	29,967
SD(1/N)	5.496E-06		4.538E-06		9.4737E-06	3.952E-06
Catchability (q)	3.376E-03		2.668E-03		3.592E-03	3.212E-03
SD(q)	2.110E-04		1.408E-04		2.371E-04	1.229E-04
CV(q)	6.2%		5.3%		6.6%	3.8%
2006 Study						
Sample	2,532	2,120	1,887			
Effort	70.39	77.52	117.42			
Abundance (N)	16,973	10,274	14,846			
SD(1/N)	4.112E-06	6.334E-06	6.939E-06			
Catchability (q)	2.119E-03	2.662E-03	1.082E-03			
SD(q)	1.479E-04	1.732E-04	1.115E-04			
CV(q)	7.0%	6.5%	10.3%			
2007 Study						
Sample	2,565		3,292		2,218	8,075
Effort	74.51		117.22		84.80	276.53
Abundance (N)	14,436		12,985		9,120	36,541
SD(1/N)	5.518E-06		4.663E-06		8.049E-06	3.605E-06
Catchability (q)	2.385E-03		2.163E-03		2.868E-03	2.472E-03
SD(q)	1.900E-04		1.310E-04		2.105E-04	1.053E-04
CV(q)	8.0%		6.1%		7.3%	4.3%

Table 3.13 Concluded.

Statistic	Section					Total
	One	Two	Three	Four	Five	
2008 Study						
Sample	2156		2905		1978	7,039
Effort	74.51		118.03		84.98	277.52
Abundance (N)	13,884		13,125		11,053	38,062
SD(1/N)	5.713E-06		4.410E-06		6.983E-06	3.348E-06
Catchability (q)	2.084E-03		1.875E-03		2.106E-03	2.022E-03
SD(q)	1.653E-04		1.085E-04		1.625E-04	8.491E-05
CV(q)	7.9%		5.8%		7.7%	4.2%
2009 Study						
Sample	2555		2575		1825	6,955
Effort	74.51		118.03		84.98	277.52
Abundance (N)	17,253		10,918		10,991	39,162
SD(1/N)	5.058E-06		6.331E-06		7.402E-06	3.658E-06
Catchability (q)	1.988E-03		1.998E-03		1.954E-03	1.980E-03
SD(q)	1.734E-04		1.381E-04		1.590E-04	9.169E-05
CV(q)	8.7%		6.9%		8.1%	4.6%
2010 Study						
Sample	2,102		3,171		2,034	7,307
Effort	72.83		119.46		85.18	277.47
Abundance (N)	27,966		25,285		24,268	77,519
SD(1/N)	3.948E-06		2.804E-06		4.473E-06	2.197E-06
Catchability (q)	1.032E-03		1.050E-03		9.840E-04	1.022E-03
SD(q)	1.140E-04		7.442E-05		1.068E-04	5.787E-05
CV(q)	11.0%		7.1%		10.9%	5.7%
2011 Study						
Sample	3,445		3,902		2,632	9,979
Effort	70.63		112.74		85.10	268.46
Abundance (N)	26,671		18,710		15,542	60,923
SD(1/N)	2.403E-06		2.569E-06		4.381E-06	1.873E-06
Catchability (q)	1.829E-03		1.850E-03		1.990E-03	1.890E-03
SD(q)	1.172E-04		8.893E-05		1.355E-04	6.961E-05
CV(q)	6.4%		4.8%		6.8%	3.7%
2012 Study						
Sample	4,229		3,738		2,125	10,092
Effort	75.44		119.69		85.18	280.31
Abundance (N)	16,056		8,922		7,045	32,023
SD(1/N)	3.274E-06		4.825E-06		9.248E-06	3.644E-06
Catchability (q)	3.491E-03		3.500E-03		3.541E-03	3.511E-03
SD(q)	1.835E-04		1.507E-04		2.307E-04	1.312E-04
CV(q)	5.3%		4.3%		6.5%	3.7%
2013 Study						
Sample	2,293		3,601		2,526	8,420
Effort	75.44		119.69		85.18	280.31
Abundance (N)	13,693		9,817		7,731	31,241
SD(1/N)	6.586E-06		4.956E-06		8.460E-06	3.937E-06
Catchability (q)	2.220E-03		3.065E-03		3.836E-03	3.040E-03
SD(q)	2.002E-04		1.491E-04		2.509E-04	1.183E-04
CV(q)	9.0%		4.9%		6.5%	3.9%

Table 3.14 Catchability of Mountain Whitefish by section (effort in hours) during the Peace River Fish Index Project, 2002 to 2013.

Statistic	Section					Total
	One	Two	Three	Four	Five	
2002 Study						
Sample	2,845	2,611	2,363	2,105		9,924
Effort	11.58	14.39	18.31	17.59		61.86
Abundance (N)	12,534	10,587	7,066	6,045		36,232
SD(1/N)	5.614E-06	6.493E-06	8.794E-06	1.024E-05		3.998E-06
Catchability (q)	1.960E-02	1.714E-02	1.827E-02	1.980E-02		1.870E-02
SD(q)	1.379E-03	1.178E-03	1.135E-03	1.225E-03		6.414E-04
CV(q)	7.0%	6.9%	6.2%	6.2%		3.4%
2003 Study						
Sample	2,145	1,896	2,546	1,883		8,470
Effort	12.29	15.31	19.49	18.67		65.76
Abundance (N)	12,165	8,911	7,955	7,252		36,283
SD(1/N)	5.876E-06	7.591E-06	7.388E-06	1.039E-05		3.989E-06
Catchability (q)	1.722E-02	1.652E-02	1.642E-02	1.659E-02		1.669E-02
SD(q)	1.231E-03	1.118E-03	9.651E-04	1.249E-03		5.800E-04
CV(q)	7.1%	6.8%	5.9%	7.5%		3.5%
2004 Study						
Sample	3,514		2,972		1,549	8,035
Effort	11.29		18.87		12.35	42.51
Abundance (N)	21,121		17,912		14,409	53,442
SD(1/N)	2.959E-06		7.388E-06		8.969E-06	6.923E-06
Catchability (q)	1.473E-02		8.791E-03		8.708E-03	1.074E-02
SD(q)	9.208E-04		1.163E-03		1.125E-03	1.308E-03
CV(q)	6.2%		13.2%		12.9%	12.2%
2005 Study						
Sample	2,777		3,624		2,132	8,533
Effort	11.49		19.70		13.06	44.26
Abundance (N)	11,370		11,628		6,969	29,967
SD(1/N)	5.496E-06		4.538E-06		9.4737E-06	3.952E-06
Catchability (q)	2.126E-02		1.582E-02		2.342E-02	2.016E-02
SD(q)	1.328E-03		8.347E-04		1.546E-03	7.620E-04
CV(q)	6.2%		5.3%		6.6%	3.8%
2006 Study						
Sample	2,532	2,120	1,887			
Effort	11.75	13.36	20.27			
Abundance (N)	16,973	10,274	14,846			
SD(1/N)	4.112E-06	6.334E-06	6.939E-06			
Catchability (q)	1.270E-02	1.545E-02	6.270E-03			
SD(q)	8.864E-04	1.005E-03	6.459E-04			
CV(q)	7.0%	6.5%	10.3%			
2007 Study						
Sample	2,565		3,292		2,218	8,075
Effort	11.63		17.89		12.65	42.17
Abundance (N)	14,436		12,985		9,120	36,541
SD(1/N)	5.518E-06		4.663E-06		8.049E-06	3.605E-06
Catchability (q)	1.528E-02		1.417E-02		1.923E-02	1.623E-02
SD(q)	1.217E-03		8.579E-04		1.411E-03	6.904E-04
CV(q)	8.0%		6.1%		7.3%	4.3%

Table 3.14 Concluded.

Statistic	Section					Total
	One	Two	Three	Four	Five	
2008 Study						
Sample	2156		2905		1978	7,039
Effort	11.04		17.75		12.59	41.39
Abundance (N)	13,884		13,125		11,053	38,062
SD(1/N)	5.713E-06		4.410E-06		6.983E-06	3.348E-06
Catchability (q)	1.406E-02		1.247E-02		1.422E-02	1.358E-02
SD(q)	1.116E-03		7.215E-04		1.097E-03	5.694E-04
CV(q)	7.9%		5.8%		7.7%	4.2%
2009 Study						
Sample	2555		2575		1825	6,955
Effort	11.06		17.36		12.36	40.78
Abundance (N)	17,253		10,918		10,991	39,162
SD(1/N)	5.058E-06		6.331E-06		7.402E-06	3.658E-06
Catchability (q)	1.339E-02		1.358E-02		1.343E-02	1.347E-02
SD(q)	1.169E-03		9.390E-04		1.093E-03	6.239E-04
CV(q)	8.7%		6.9%		8.1%	4.6%
2010 Study						
Sample	2,102		3,171		2,034	7,307
Effort	10.09		16.65		11.32	38.06
Abundance (N)	27,966		25,285		24,268	77,519
SD(1/N)	3.948E-06		2.804E-06		4.473E-06	2.197E-06
Catchability (q)	7.450E-03		7.532E-03		7.404E-03	7.462E-03
SD(q)	8.227E-04		5.340E-04		8.037E-04	4.219E-04
CV(q)	11.0%		7.1%		10.9%	5.7%
2011 Study						
Sample	3,445		3,902		2,632	9,979
Effort	9.35		14.80		11.06	35.21
Abundance (N)	26,671		18,710		15,542	60,923
SD(1/N)	2.403E-06		2.569E-06		4.381E-06	1.873E-06
Catchability (q)	1.381E-02		1.410E-02		1.532E-02	1.441E-02
SD(q)	8.849E-04		6.776E-04		1.043E-03	5.308E-04
CV(q)	6.4%		4.8%		6.8%	3.7%
2012 Study						
Sample	4,229		3,738		2,125	10,092
Effort	10.83		17.20		11.97	40.00
Abundance (N)	16,056		8,922		7,045	32,023
SD(1/N)	3.274E-06		4.825E-06		9.248E-06	3.644E-06
Catchability (q)	2.433E-02		2.436E-02		2.520E-02	2.463E-02
SD(q)	1.279E-03		1.049E-03		1.642E-03	9.195E-04
CV(q)	5.3%		4.3%		6.5%	3.7%
2013 Study						
Sample	2,293		3,601		2,526	8,420
Effort	10.87		17.53		12.53	40.94
Abundance (N)	13,693		9,817		7,731	31,241
SD(1/N)	6.586E-06		4.956E-06		8.460E-06	3.937E-06
Catchability (q)	1.541E-02		2.092E-02		2.607E-02	2.080E-02
SD(q)	1.389E-03		1.018E-03		1.705E-03	8.098E-04
CV(q)	9.0%		4.9%		6.5%	3.9%

The relationship between Mountain Whitefish population estimate and catch rate weighted for habitat type of Mountain Whitefish is presented in Figure 3.39. With the exception of 2010, which differed substantially from other results, catchability for Mountain Whitefish was generally consistent among years and sections. For these data the catchability estimate using distance as the measure of effort was 0.0024 ± 0.0006 (95% confidence intervals).

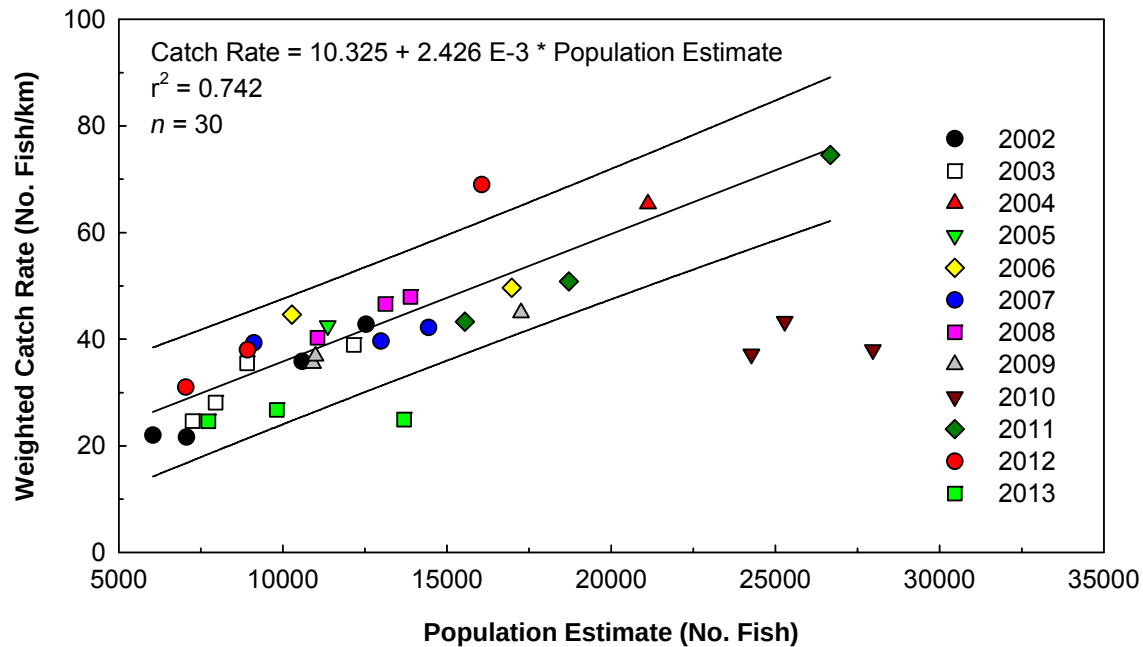


Figure 3.39 Relationship between population estimate and catch rate weighted for habitat of Mountain Whitefish during the Peace River Fish Index Project, 2002 to 2013 (data from 2010 excluded from regression; dashed lines represent 95% prediction intervals; see Section 2.2.7 for selection of data for analysis).

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4.0 DISCUSSION

4.1 SAMPLING CONDITIONS

In 2013, sampling conditions (i.e., discharge, water clarity, and water temperature) did not adversely influence the effectiveness of the field program and were generally similar to conditions recorded during previous studies. Discharge averaged 1,121 m³/s, water clarity exceeded 100 cm, and average water temperatures ranged from 11.2°C to 12.5°C.

4.2 GENERAL CHARACTERISTICS OF THE FISH COMMUNITY

In total, 10,954 fish representing 14 species were recorded in 2013. The species composition and numerical contribution recorded during the present study was similar to results of previous programs. Unique species not typically recorded, but present in the 2013 sample, were Lake Trout, Burbot, and Peamouth, as well as higher numbers of Walleye.

4.3 TARGET SPECIES

4.3.1 Arctic Grayling

Very low numbers of Arctic Grayling were recorded in 2013. Only 27 Arctic Grayling were sampled for biological characteristics, which limited the ability to reliably assess spatial and temporal differences.

The limited data collected in 2013 suggested Arctic Grayling sampled from Sections 3 and 5 exhibited different age and length distributions (too few fish were recorded in Section 1 to allow spatial comparisons). However, there were no measurable differences between the sections in terms of length-at-age, body condition-at-age, growth, and apparent annual mortality. The results were generally consistent with previous studies.

There continues to be annual variation in length and age distributions of the Arctic Grayling sample populations, which are usually related to strength of age classes in previous years. Some parameters (i.e., anabolic constants and body condition-at-age) indicated general stability over time in Arctic Grayling population health. Other parameters that included growth curves and length-at-age indicated a decline in Arctic Grayling population health in 2013, which was similar to the 2012 findings.

Arctic Grayling catch rates in all three sections were very low in 2013, which is a continuation of low catch rates recorded in 2012. Catch rates approached or were the lowest values on record. The recruitment of Age 1 Arctic Grayling was very low in 2013. Recruitment index values approached or were the lowest on record.

In summary, Arctic Grayling sample populations in all sections continue to be scarce. Biological data do not show a large shift in population structure that could explain reduced abundance, but like 2012, there were indicators of reduced health and the index of recruitment was very low in 2013. The decline in Arctic Grayling abundance may reflect natural variation in Arctic Grayling recruitment from Peace River tributaries, a change in Peace River conditions, or a combination of these and other unknown factors.

4.3.2 Bull Trout

In total, 212 Bull Trout were sampled for biological characteristics. In 2013, length and age distributions of Bull Trout were similar among sections. Fish $\leq$ Age 1 were not recorded, fish from Age 2 to 5 dominated (subadults) and Bull Trout older than Age 7 (adults) were not well represented. Age 3 was the dominant age class in all sections. Bull Trout population health, in terms of growth and body condition, was similar among sections. Fish grow very quickly and exhibit good body condition.

Age and length distributions of the combined sample (Sections 1, 3, and 5) remained stable across years. During all sample years, Age 1 fish were absent or largely absent, age distributions were dominated by subadults, and adult fish were poorly represented. The scarcity of adult fish from the index sections was likely caused by use of tributaries for spawning during the study period. As such, the results do not reflect the entire age structure of the Peace River Bull Trout population.

Bull Trout catch rates have been consistently low in all sections during all sample years and there were no strong spatial differences in abundance. In general, catch rates have been lowest in Section 1, intermediate in Section 5, and highest in Section 3. There has been no large change in Bull Trout catch rates for the duration of the index project. Annual recruitment of the Age 3 class has varied in all sections; however, since 2009 that has been a general increasing trend in Sections 1 and 3. This finding is consistent with the long-term increase in the number of spawning Bull Trout recorded in the Halfway River system (Euchner 2013).

4.3.3 Mountain Whitefish

In total, 7,051 Mountain Whitefish were available in 2013 for analyses of biological characteristics. The 2013 results were consistent with previous studies. Prior to 2011, spatial differences in length and age distributions of Mountain Whitefish were recorded. In 2011 and again in 2012, and 2013 fish in all sections exhibited truncated age and length distributions caused by the preponderance of Age 3 to Age 6 fish. Younger fish (Age 1) and older fish ($>$ Age 6) were much less numerous. Prior to 2011, Mountain Whitefish in Sections 3 and 5 exhibited multi-modal length distributions that represented a wider range of ages. The truncated distributions suggest the reduced recruitment of younger fish and increased mortality of older fish.

There were consistent spatial differences in Mountain Whitefish growth. In Section 1 younger age classes tended to have higher mean lengths, while older age classes had lower mean lengths compared to fish in Sections 3 and 5. This resulted in a lower growth rate by Section 1 fish.

There continues to be small annual variations in Mountain Whitefish age and length distributions based on strengths of younger age classes; however, since 2011 the population structure of each section has become truncated caused by the absence of younger and older fish. In terms of population health, some parameters (i.e., growth curves, length-at-age, and body condition-at-age) indicated an annual decline in population health since 2011. Growth curves of sample populations in all three sections were similar to results of 2010, 2011, and 2012 – growth curves were below those recorded from 2002 to 2009. Mountain Whitefish length-at-age and body condition-at-age in 2011 was below the long term mean for most ages in all sections. This trend continued in 2013.

Mountain Whitefish continue to be abundant in Sections 1, 3, and 5. However, catch rates in each section in 2013 were well below the very high catch rates recorded in 2011, and below catch rates recorded in 2012. The three year trend may represent a decline in Mountain Whitefish abundance in the study area.

Annual recruitment of Age 1 Mountain Whitefish has varied spatially and temporally. During most years recruitment was lower in Section 1 compared to Sections 3 and 5. The results of the 2013 study indicated a slight increase in Mountain Whitefish recruitment rates in Sections 3 and 5 compared to 2012. In Section 1, the recruitment index in 2013 was 0 fish per km.

4.4 POPULATION ESTIMATES

The population estimates for Mountain Whitefish in 2013 were similar to those estimated for 2002 through 2009 and 2012 and were approximately 40-60% of those estimated for 2010 and 2011 (see Figure 3.36).

4.4.1 Evaluation of Assumptions

The factors that affect the population estimates can be evaluated through an assessment of assumptions required for the sequential stratified population model.

1. *The population size in the study area does not change or is subject to apparent mortality over the period of the experiment.*

Very few Mountain Whitefish were recaptured in river sections other than the section of release (1.1%, approximately). Moreover, the population estimation model accounts for fish that move under the assumption that all movement is described by the history of recaptured marks. No Bull Trout were observed to move to a different river section. For Mountain Whitefish, growth over the study period was very small; therefore, any growth recruitment (fish becoming larger than 250 mm during the study) was minimal. Apparent mortality was estimated by the CJS analysis and explicitly included in the population estimates. Inspection of the posterior probability plot sequences generated by the Bayes model indicated that all sections were convergent with no marked trend to larger or smaller population sizes. The available evidence supports a closed subject to apparent mortality in all river sections. In particular, only about 61% survived through the study period in river Section 5 (see Table 2.5).

2. *All fish in a stratum (day and section), whether marked or unmarked, have the same probability of being caught.*

The study area was stratified into three river sections to account for any differences from marks applied, population size, or spatial catchability. Similarly, the day strata accounted for new marks applied through the study. Only pit tags applied post 2004 were used in the analyses. For Mountain Whitefish, significant differences in capture probabilities were observed in river Section 5 by marks applied in 2007. Examination of multiple recaptures and evaluation of heterogeneous capture probability models using MARK did not provide any empirical evidence for heterogeneous effects. In Sections 3 and 5, the time varying catchability model provided a significantly better fit to the data over the constant catchability model based on AIC; however, in Section 1, the constant catchability model fit the data better. The logarithmic population deviation estimates showed no trend with small deviations in Section 1, large deviations in Section 3 and an increasing trend in Section 5.

We conclude that the evidence supports the assumption for river Section 1 but was suspect for river Sections 3 and 5.

3. Fish do not lose their marks over the period of the study.

Each captured fish was examined for the presence of a scar. No fish had evidence of a tagging scar for fish marked during the 2013 study. A total of 8 Mountain Whitefish had evidence of a tagging scar from fish marked prior to 2013. No scarred Arctic Grayling or Bull Trout were observed. The impact on the 2013 population estimates from lost marks should be very small.

4. All marked fish are reported on recovery.

Only fish brought on board were included in the number of fish examined for a mark; thus, it is unlikely that a marked fish would escape detection.

4.4.2 Reliability of Estimates

The assumptions required to produce population estimates appear to hold for Section 1 in the 2013 study. The constant catchability assumption for Mountain Whitefish in 2013 appears to be deficient for river Sections 3 and 5. The foremost issue for the reliability of estimates is the weight each sampling sequence should receive for the estimation of population size. The time varying capture probability model assumes uniform reliability of the capture probability computed for each sequence (White 2006). Similarly, the time varying catchability model developed here employs equal weight for the logarithmic population deviations. The constant catchability model used by the Bayesian algorithm updates the posterior distribution of the previous sequence by the information contained in the current sampling sequence (Gazey and Staley 1986 showed that the sequential mark-recapture experiment can be characterized as a sequential Bayes algorithm updated by the binomial kernel). In other words, if the expected (mean) probability of sampling a marked fish is the fraction of the marked population then the sequential Bayes model weights each sampling sequence by the information contained in the sample regardless of variations in catchability. From a practical perspective, the population estimates were very similar (within 6%) regardless of model (constant capture probability, time varying capture probability, constant catchability, or time varying catchability) or estimation program (MARK, ADMB or Excel Bayes).

In our opinion, the Bayes population estimates are the best available. However, the inconsistency of the computed catchability coefficients over the three sections in 2013 makes the application of abundance indices suspect, particularly for Sections 3 and 5.

Because there is little movement of fish between the river sections, sampling intensity can be isolated to a section. Figure 4.1 plots the precision as a function of electrofishing effort (hours) for Mountain Whitefish in Section 1. For reference, the 2013 effort expended is also plotted. The plots indicate that an effort reduction in Section 1 may risk substantive loss of power. Future project planning should focus on the addition or removal of sections rather than amend the sampling intensity of a section. For Arctic Grayling and Bull Trout, there was not sufficient data to generate a reliable power curve.

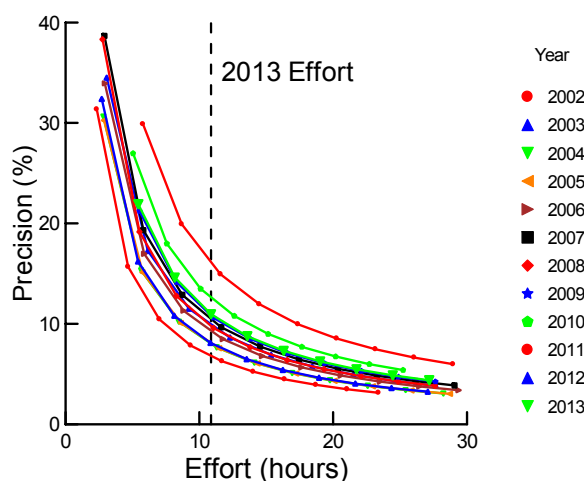


Figure 4.1 Precision (percentage of the mean) of the population estimate of Section 1 at various effort levels for Mountain Whitefish by year during the Peace River Fish Index Project, 2002 to 2012.

The mark-recapture study for Arctic Grayling was disappointing with no marked fish recaptured. For Bull Trout, population estimates were available in Sections 3 and 5 with better precision than obtained historically (overall CV = 26%). There was not sufficient data to forecast effort levels needed for reliable population estimates for either species.

4.5 CATCHABILITY

Catchability coefficients were calculated under the assumptions of a closed population and that abundance indices are proportional to the population size. If these assumptions are true then the coefficients should remain constant over study years and river sections. Moreover, three caveats have been developed in past Peace River Indexing Programs for the application of catch rate as an index of abundance for Mountain Whitefish:

1. Sampling protocols (methods, equipment, and approach) must be consistent.
2. Water clarity must remain above 50 cm.
3. The target population must remain closed during the sampling period.

The 2013 program complied with the above caveats albeit apparent mortality was detected. The estimated catchability coefficients were not consistent across sections within 2013. The coefficient for river Section 1 was historically consistent and all available evidence suggests a valid population estimate. Catchability coefficients in Sections 3 and 5 were higher than historical values and were more similar to 2012.

Figure 4.2 plots the length frequency of Mountain Whitefish (at 5 mm intervals) encountered in the taggable cohort by year (2002 to 2013). In 2012 and again in 2013, the 250-300 mm stanzas were sampled with greater frequency and the 300-450 stanzas were sampled with lower frequency. It is possible that size differences interact with the electrofishing gear (i.e., smaller fish may have a higher probability of capture). In 2012 and again in 2013, Mountain Whitefish growth rate and body condition were lower than in other years. Reduced fish health may have increased the probability of capture.

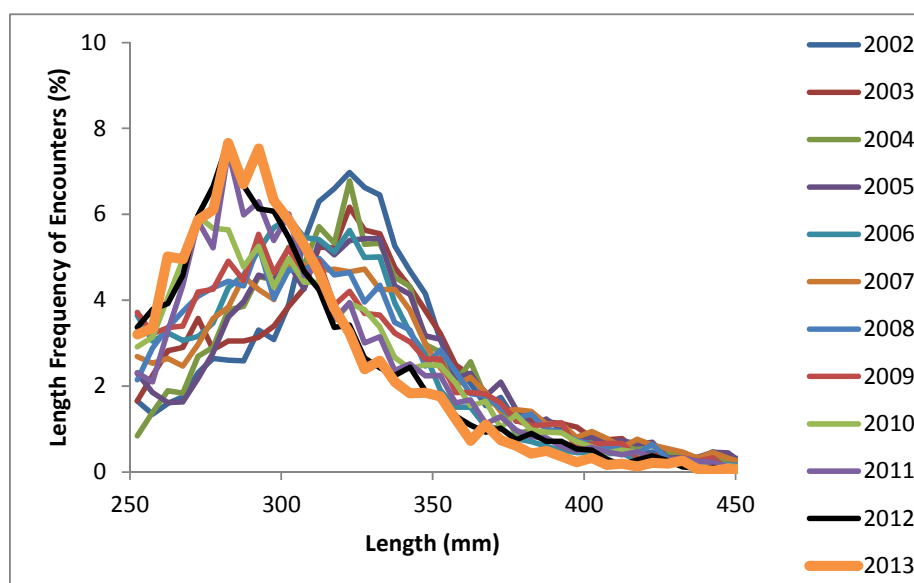


Figure 4.2 Length frequency of Mountain Whitefish encountered (5 mm length increments) by year, during the Peace River Index Project, 2002 to 2013.

Catchability coefficient estimates in 2010 were not consistent with estimates for most other years (see Figure 3.38). The 2010 low catchability coefficients in Sections 1, 3, and 5 were similar to those estimated in 2004 for Sections 3 and 5, and in 2006 for Section 3. Note that 2004 and 2006 also had the largest population estimates prior to 2010 (see Figure 3.36). High population estimates for those years and sections were deemed either to be unreliable or they represented populations augmented by immigrants. Assuming the occurrence of low water levels, a potential source of immigrants would be dewatered side channels.

Patterns of PCN Dam monthly discharge during each year from 2002 to 2013 support the hypothesis that low water levels cause augmentation of populations (Figure 4.3). PCN Dam discharge during the index project sample period was near minimum flow only in 2004, 2006, and 2010. In 2011, it was near minimum for an extended period immediately preceding the sample period. Therefore, we believe the population estimates for 2010 and other years subjected to low Peace River flows included immigrants from dewatered side channels or from recently dewatered side channels.

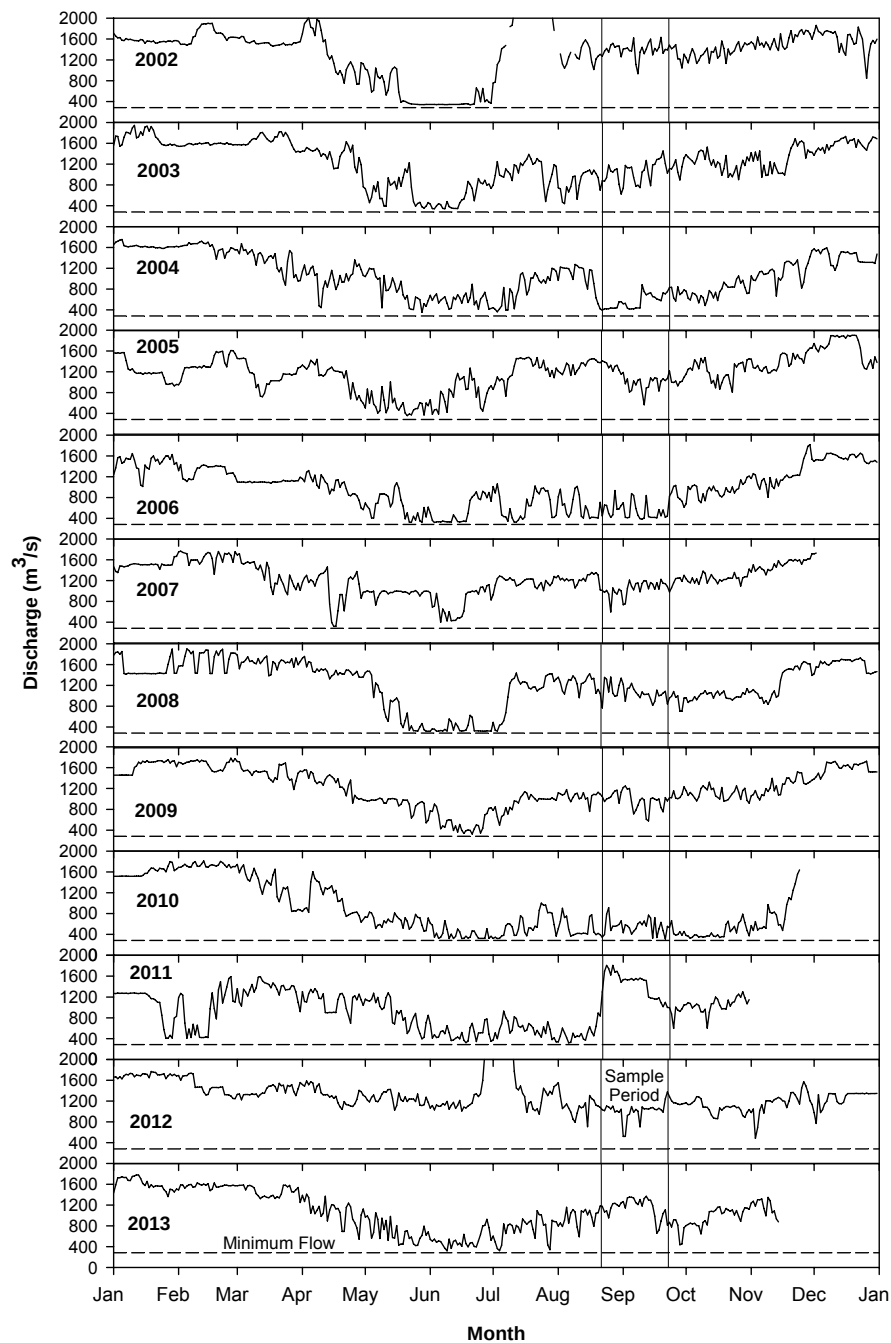


Figure 4.3 Mean daily discharge releases from the PCN Dam, Peace River Fish Index Project 2002 to 2013 (Based on preliminary discharge data provided by BC Hydro).

If catch rates were hyperstable, then high population sizes for those years and sections should be consistently associated with lower catchability, but this was not the case (Figure 4.4). The absence of this relationship suggests that hyperstable catch rates may not be the primary factor influencing catchability (see Figure 3.38). An alternate hypothesis may be reduced catchability. Low water clarity was the reason provided for reduced catchability in Sections 3 and 5 in 2004, but water clarity was high for problem sections in 2006 and 2010. The one consistent sample condition in all sections in 2004, 2006, and 2010 was low water level. Low water level may have caused a spatial shift of fish to deeper water making them less vulnerable to capture by boat electrofisher. Anecdotal field observations support this idea. However, lower catchability was not recorded for Section 1 in 2004 or Section 1 in 2006 despite the existence of low water level.

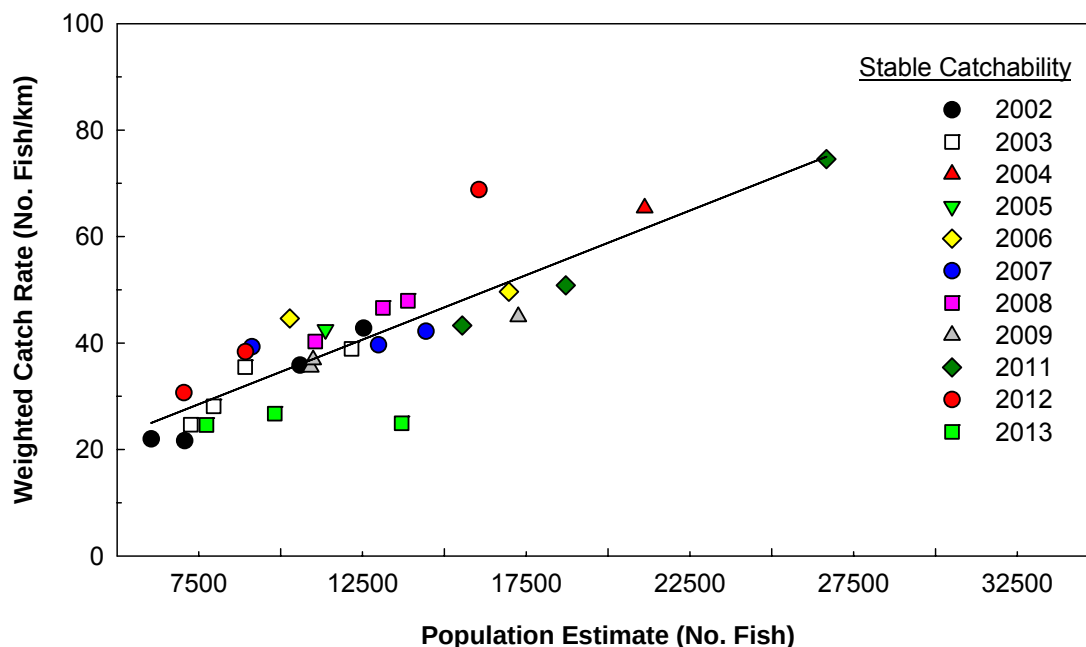


Figure 4.4 Relationships between population estimate and catch rate of Mountain Whitefish based on two data sets, Peace River Fish Index Project 2002 to 2013 (Data grouped based on apparent reliability of catchability coefficients).

Attempts can be made to describe the relationship between population estimates and catch rates if low catchability is caused by changes to catchability and not hyperstable catch rates (Figure 4.4). Reasons for changes to catchability likely are complex and will require more work. In particular, factors need to be investigated that influence differences in catchability between Section 1 and Sections 3 and 5.

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5.0 CONCLUSIONS

The stated overall objective of the Large River Fish Community Indexing Program is to establish fish monitoring protocols that can be used reliably across the Peace River and Columbia River watersheds to provide an index of the general status of the fish community. The Peace River Fish Community Indexing Program was integrated into the Peace Water Use Plan (WUP), and as such, the goal has shifted from evaluation of monitoring protocols to monitoring of target fish populations in order to aid in the evaluation of the effectiveness of the Peace River management plans (e.g. the Peace River side channel enhancement trial). Implementation of WUP monitoring projects under the management plans commenced in 2008 and is to continue to at least 2018. The construction of the first side channel enhancement trial is expected in Spring 2014, meaning there would be 12 years of pre-enhancement, ‘baseline’ Fish Index data and 4 years of post-construction monitoring.

The 2013 Peace River Fish Index Project fulfilled its primary objectives, which were to extend time series data and to build upon previous investigations. The Peace River Fish Index Project, as currently designed, has the sensitivity to identify changes in biological characteristics and abundance of Mountain Whitefish. The program’s ability to detect change in the two remaining target species populations (Arctic Grayling and Bull Trout) is limited, primarily due to low fish numbers.

As the Peace River WUP management plans are implemented the goal of the Peace River Fish Index Project will be to monitor target fish populations in order to evaluate the effectiveness of the WUP management plans. In order to achieve this goal consideration should be given to the following issues that are inherent to the current design of the program.

1. The Peace River Fish Index Project samples large-sized fish in nearshore habitats. The study is not designed to quantify recruitment of young fish into the target populations. The age structure mark recapture model being developed by the index program may assist in addressing this issue. Another technique includes development of a dedicated small fish program, similar in design to the pilot study completed during the 2005 program.
2. The Peace River Fish Index Project samples target fish populations within specific index sections. If these sections do not encompass portions of the Peace River that are targeted for enhancement under the WUP management plans, the effects on the fish community may be detected. This issue can be resolved by ensuring that index sections are located in proximity to portions of the Peace River that are targeted for enhancement.
3. The Peace River Fish Index Project samples three target species populations – Arctic Grayling, Bull Trout, and Mountain Whitefish. If other species populations are targeted by the WUP management plans then changes to those species populations will not be monitored. This issue can be resolved by ensuring that Peace River Fish Index Project includes species targeted by the WUP management plans.

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APPENDICES A to E

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APPENDICES

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APPENDIX A

Sample Sites

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Appendix A Table A1. Standard boat electrofisher sites, UTM locations (NAD 83; Zone 10V), and river kilometres in the Peace River Study Area, 2013 Peace River Fish Index Project.

Section	Site Label	Site Position	Upper			Lower		
			Easting	Northing	Kilometre	Easting	Northing	Kilometre
1	0101	Island Left Downstream Bank	566453	6207858	145.2	566936	6208239	144.6
	0102	Island Left Downstream Bank	566936	6208240	144.6	567497	6208907	143.7
	0103	Right Downstream Bank	566302	6207742	145.4	567401	6208075	144.4
	0104	Island Right Downstream Bank	566460	6207754	145.3	566934	6207880	144.6
	0105	Right Downstream Bank	567402	6208074	144.4	568000	6208913	143.3
	0107	Left Downstream Bank	568372	6210050	142.3	568798	6210402	141.4
	0108	Right Downstream Bank	568605	6209966	142.3	569259	6210477	141.2
	0109	Right Downstream Bank	569260	6210478	141.2	569850	6211235	140.4
	0110	Left Downstream Bank	568798	6210403	141.4	569302	6211053	140.6
	0111	Left Downstream Bank	569302	6211053	140.6	569825	6211869	139.8
	0112	Left Downstream Bank	569824	6211868	139.8	570686	6212472	138.9
	0113	Right Downstream Bank	569994	6211528	140.0	570510	6212043	139.2
	0114	Left Downstream Bank	570686	6212474	139.0	571342	6213121	137.9
	0116	Right Downstream Bank	570511	6212043	139.2	571265	6212633	138.1
	0119	Left Downstream Bank	567516	6209096	143.3	568019	6209628	142.4
3	0301	Right Downstream Bank	600824	6232860	98.4	602606	6233198	96.3
	0302	Island Right Downstream Bank	599753	6233307	99.2	601597	6233232	97.0
	0303	Island Right Downstream Bank	601597	6233232	97.0	602930	6233597	96.0
	0304	Island Left Downstream Bank	602583	6233193	96.3	603787	6233290	94.2
	0305	Left Downstream Bank	603204	6233827	95.6	604640	6233426	93.8
	0306	Left Downstream Bank	604655	6233435	93.8	605586	6233750	92.5
	0307	Island Right Downstream Bank	605976	6233888	92.2	606935	6234160	91.2
	0308	Island Right Downstream Bank	606935	6234158	91.2	607692	6235034	90.2
	0309	Island Left Downstream Bank	605976	6233878	92.2	606666	6234387	91.4
	0310	Island Left Downstream Bank	606662	6234395	91.4	607691	6235034	90.4
	0311	Left Downstream Bank	605585	6233743	92.5	606512	6234441	91.4
	0312	Left Downstream Bank	607058	6234840	91.3	608047	6235753	89.8
	0314	Right Downstream Bank	604468	6233079	93.9	605400	6233321	93.0
	0315	Right Downstream Bank	605400	6233320	93.0	606956	6233951	91.0
	0316	Right Downstream Bank	606956	6233951	91.0	607974	6234928	90.1

Appendix A Table A1. Standard boat electrofisher sites, UTM locations (NAD 83; Zone 10V), and river kilometres in the Peace River Study Area, 2013 Peace River Fish Index Project.

Section	Site Label	Site Position	Upper			Lower		
			Easting	Northing	Kilometre	Easting	Northing	Kilometre
5								
	0501	Right Downstream Bank	629169	6229759	64.0	630016	6229305	63.3
	0502	Right Downstream Bank	630016	6229305	63.3	630954	6229298	62.5
	0503	Island Right Downstream Bank	629023	6230250	64.8	629611	6229680	63.8
	0504	Island Right Downstream Bank	629787	6229549	63.4	630560	6229543	62.9
	0505	Left Downstream Bank	630553	6229765	62.9	631540	6229590	61.8
	0506	Left Downstream Bank	631539	6229590	61.8	632491	6229713	60.7
	0507	Right Downstream Bank	632339	6229356	61.3	633099	6229489	60.3
	0508	Left Downstream Bank	637926	6227901	54.1	638432	6227150	53.4
	0509	Island Right Downstream Bank	632785	6229686	60.6	633704	6229905	59.7
	0510	Right Downstream Bank	634530	6229634	59.0	635555	6230048	57.7
	0511	Left Downstream Bank	635651	6230419	57.7	636334	6230361	56.9
	0512	Island Right Downstream Bank	633855	6229835	59.4	634872	6230026	58.5
	0513	Right Downstream Bank	637113	6228814	55.4	637433	6228125	54.3
	0514	Island Left Downstream Bank	637427	6228123	54.4	637735	6227647	53.4
	0515	Island Right Downstream Bank	637376	6229072	55.2	637591	6228192	54.6

APPENDIX B

Sampling Conditions

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Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
1																	
	0101																
	1	8/24/2013	11:30	614	221	SFN	A3	Run	Cobble	None	1	12.9	210		176		3.5 60 354
	2	8/30/2013	11:15	614	215	SFN	A3	Run	Cobble	None	1	11.5	210		175		3.6 60 354
	3	9/6/2013	11:45	614	217	SFN	A3	Run	Cobble	None	1	12.0	210		175		3.5 60 354
	4	9/15/2013	11:30	614	235	SFN	A3	Run	Cobble	None	1	12.7	210		178		3.2 60 354
	5	9/21/2013	10:15	614	245	SFN	A3	Run	Cobble	None	1	10.2	210		176		3.8 60 354
	6	9/24/2013	11:15	614	263	SFN	A3	Run	Cobble	None	1	11.8	210		175		4.0 60 354
	0102																
	1	8/24/2013	12:30	870	298	SFN	A3	Run	Cobble	None	1	12.9	210		176		3.7 60 354
	2	8/30/2013	13:00	870	306	SFN	A3	Run	Cobble	None	1	11.5	210		175		3.6 60 354
	3	9/6/2013	12:30	870	303	SFN	A3	Run	Cobble	None	1	12.0	210		175		3.5 60 354
	4	9/15/2013	12:15	870	307	SFN	A3	Run	Cobble	None	1	12.7	210		176		3.2 60 354
	5	9/21/2013	10:45	870	305	SFN	A3	Run	Cobble	None	1	10.2	210		176		3.8 60 354
	6	9/24/2013	11:45	870	361	SFN	A3	Run	Cobble	None	1	11.8	210		175		4.0 60 354
	0103																
	1	8/24/2013	10:15	1092	529	SFC	A1	Run	Boulder	R+L+B	2	13.1	210		176		4.0 60 354
	2	8/30/2013	10:00	1092	558	SFC	A1	Run	Boulder	R+L+B	2	11.4	210		176		4.2 60 354
	3	9/6/2013	10:15	1092	509	SFC	A1	Run	Boulder	R+L+B	2	11.8	210		175		4.2 60 354
	4	9/15/2013	10:30	1092	652	SFC	A1	Run	Boulder	R+L+B	2	12.8	210		178		3.9 60 354
	5	9/21/2013	9:30	1092	569	SFC	A1	Run	Boulder	R+L+B	2	10.2	210		176		4.0 60 354
	6	9/24/2013	10:15	1092	612	SFC	A1	Run	Boulder	R+L+B	2	11.6	210		175		3.8 60 354
	0104																
	1	8/24/2013	9:45	445	258	SFN	A3	Run	Cobble	None	1	13.0	210		176		3.8 60 354
	2	8/30/2013	9:30	445	266	SFN	A3	Run	Cobble	None	1	11.5	210		176		4.0 60 354
	3	9/6/2013	9:45	445	244	SFN	A3	Run	Cobble	None	1	11.8	210		175		4.0 60 354
	4	9/15/2013	9:30	445	307	SFN	A3	Run	Cobble	None	1	12.7	210		178		3.9 60 354
	5	9/21/2013	9:00	445	277	SFN	A3	Run	Cobble	None	1	10.2	210		176		4.2 60 354
	6	9/24/2013	10:00	445	289	SFN	A3	Run	Cobble	None	1	11.6	210		175		4.0 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
1																	
	0105																
	1	8/24/2013	11:00	1029	484	SFC	A2	Run	Boulder	R+B	2	13.1	210		176		4.0 60 354
	2	8/30/2013	10:30	1029	488	SFC	A2	Run	Boulder	R+B	2	11.5	210		176		4.2 60 354
	3	9/6/2013	11:00	1029	461	SFC	A2	Run	Boulder	R+B	2	11.8	210		175		4.2 60 354
	4	9/15/2013	10:45	1029	527	SFC	A2	Run	Boulder	R+B	2	12.7	210		178		3.9 60 354
	5	9/21/2013	9:45	1029	524	SFC	A2	Run	Boulder	R+B	2	10.2	210		176		4.0 60 354
	6	9/24/2013	10:45	1029	650	SFC	A2	Run	Boulder	R+B	2	11.6	210		175		3.8 60 354
	0107																
	1	8/24/2013	13:45	551	352	SFC	A1	Run	Boulder	R+B	3	13.0	210		176		4.0 60 354
	2	8/30/2013	14:15	551	335	SFC	A1	Run	Boulder	R+B	3	11.6	210		175		4.8 60 354
	3	9/5/2013	9:45	551	320	SFC	A1	Run	Boulder	R+B	3	10.2	210		180		5.0 60 354
	4	9/15/2013	13:30	551	375	SFC	A1	Run	Boulder	R+B	3	12.8	210		178		4.0 60 354
	5	9/21/2013	11:30	551	356	SFC	A1	Run	Boulder	R+B	3	10.4	210		176		4.4 60 354
	6	9/24/2013	12:45	551	382	SFC	A1	Run	Boulder	R+B	3	12.3	210		175		4.4 60 354
	0108																
	1	8/24/2013	14:30	828	466	SFN	A3	Run	Cobble	None	1	14.0	210		176		4.6 60 354
	2	8/31/2013	9:30	828	437	SFN	A3	Run	Cobble	None	1	11.3	210		176		4.8 60 354
	3	9/5/2013	10:00	828	452	SFN	A3	Run	Cobble	None	1	10.2	210		180		5.0 60 354
	4	9/15/2013	14:00	828	520	SFN	A3	Run	Cobble	None	1	13.1	210		177		4.2 60 354
	5	9/21/2013	11:45	828	545	SFN	A3	Run	Cobble	None	1	10.5	210		176		4.2 60 354
	6	9/24/2013	13:00	828	533	SFN	A3	Run	Cobble	None	1	12.0	210		175		4.0 60 354
	0109																
	1	8/25/2013	9:30	958	496	SFN	A3	Run	Cobble	None	1	12.8	210		176		4.4 60 354
	2	8/31/2013	10:00	958	441	SFN	A3	Run	Cobble	None	1	11.2	210		176		4.5 60 354
	3	9/6/2013	14:00	958	507	SFN	A3	Run	Cobble	None	1	12.0	210		175		4.0 60 354
	4	9/16/2013	11:00	958	523	SFN	A3	Run	Cobble	None	1	11.8	210		177		4.2 60 354
	5	9/21/2013	12:00	958	511	SFN	A3	Run	Cobble	None	1	10.5	210		176		4.8 60 354
	6	9/24/2013	14:00	958	563	SFN	A3	Run	Cobble	None	1	12.1	210		175		4.0 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
1																	
	0110																
	1	8/24/2013	14:15	821 536	SFC	A1	Run	Boulder	R+B	3	13.0	210			176		4.1 60 354
	2	8/30/2013	14:45	821 508	SFC	A1	Run	Boulder	R+B	3	11.7	210			175		4.0 60 354
	3	9/5/2013	10:30	821 404	SFC	A1	Run	Boulder	R+B	3	10.2	210			180		5.0 60 354
	4	9/15/2013	14:15	821 464	SFC	A1	Run	Boulder	R+B	3	12.8	210			177		4.2 60 354
	5	9/21/2013	12:45	821 466	SFC	A1	Run	Boulder	R+B	3	10.5	210			176		4.3 60 354
	6	9/24/2013	13:15	821 435	SFC	A1	Run	Boulder	R+B	3	12.0	210			175		4.2 60 354
	0111																
	1	8/25/2013	11:45	968 513	SFC	A1	Run	Boulder	R+B	3	13.0	210			176		4.0 60 354
	2	8/30/2013	15:15	968 604	SFC	A1	Run	Boulder	R+B	3	11.7	210			175		4.0 60 354
	3	9/5/2013	11:00	968 501	SFC	A1	Run	Boulder	R+B	3	10.2	210			180		5.0 60 354
	4	9/16/2013	11:30	968 574	SFC	A1	Run	Boulder	R+B	3	11.8	210			177		4.2 60 354
	5	9/21/2013	13:00	968 546	SFC	A1	Run	Boulder	R+B	3	10.5	210			176		4.3 60 354
	6	9/24/2013	14:30	968 548	SFC	A1	Run	Boulder	R+B	3	12.0	210			175		4.0 60 354
	0112																
	1	8/25/2013	13:30	1050 588	SFC	A1	Run	Boulder	R+B	2	13.1	210			176		4.0 60 354
	2	8/31/2013	11:00	1050 582	SFC	A1	Run	Boulder	R+B	2	11.3	210			175		4.4 60 354
	3	9/5/2013	12:30	1050 457	SFC	A1	Run	Boulder	R+B	2	10.7	210			175		5.0 60 354
	4	9/16/2013	14:00	1050 562	SFC	A1	Run	Boulder	R+B	2	11.8	210			176		4.2 60 354
	5	9/21/2013	14:00	1050 588	SFC	A1	Run	Boulder	R+B	2	10.5	210			176		4.5 60 354
	6	9/24/2013	15:15	1050 584	SFC	A1	Run	Boulder	R+B	2	12.0	210			175		4.0 60 354
	0113																
	1	8/25/2013	11:00	727 330	SFC	A2	Run	Cobble	L+B	2	13.0	210			176		4.3 60 354
	2	8/31/2013	10:30	727 329	SFC	A2	Run	Cobble	L+B	2	11.2	210			176		5.0 60 354
	3	9/5/2013	11:30	727 331	SFC	A2	Run	Cobble	L+B	2	10.7	210			175		4.8 60 354
	4	9/16/2013	12:00	727 369	SFC	A2	Run	Cobble	L+B	2	11.8	210			177		4.0 60 354
	5	9/21/2013	13:30	727 372	SFC	A2	Run	Cobble	L+B	2	10.5	210			176		4.2 60 354
	6	9/24/2013	15:00	727 368	SFC	A2	Run	Cobble	L+B	2	12.0	210			175		4.0 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
1																	
	0114																
	1	8/25/2013	14:30	919	533	SFC	A2	Run	Boulder	R+B	2	13.2	210		176		4.0 60 354
	2	8/31/2013	12:00	919	384	SFC	A2	Run	Boulder	R+B	2	11.3	210		176		4.2 60 354
	3	9/5/2013	13:30	919	402	SFC	A2	Run	Boulder	R+B	2	10.7	210		175		5.0 60 354
	4	9/16/2013	10:00	919	517	SFC	A2	Run	Boulder	R+B	2	11.8	210		177		4.0 60 354
	5	9/21/2013	14:30	919	481	SFC	A2	Run	Boulder	R+B	2	10.8	210		175		4.4 60 354
	6	9/24/2013	16:15	919	484	SFC	A2	Run	Boulder	R+B	2	12.0	210		178		4.0 60 354
	0116																
	1	8/25/2013	12:45	955	423	SFN	A3	Run	Cobble	None	1	13.1	210		176		4.0 60 354
	2	8/31/2013	11:45	955	394	SFN	A3	Run	Cobble	None	1	11.3	210		175		4.5 60 354
	3	9/5/2013	13:00	955	407	SFN	A3	Run	Cobble	None	1	10.7	210		175		5.0 60 354
	4	9/16/2013	9:30	955	344	SFN	A3	Run	Cobble	None	1	11.8	210		177		4.0 60 354
	5	9/21/2013	13:45	955	416	SFN	A3	Run	Cobble	None	1	10.5	210		176		4.5 60 354
	6	9/24/2013	15:45	955	415	SFN	A3	Run	Cobble	None	1	12.0	210		175		4.0 60 354
	0119																
	1	8/24/2013	13:30	747	409	SFC	A1	Run	Boulder	Rock	4	12.9	210		176		4.0 60 354
	2	8/30/2013	13:45	747	483	SFC	A1	Run	Boulder	Rock	4	11.4	210		175		4.0 60 354
	3	9/6/2013	1:30	747	453	SFC	A1	Run	Boulder	Rock	4	12.0	210		175		4.0 60 354
	4	9/15/2013	13:00	747	491	SFC	A1	Run	Boulder	Rock	4	12.6	210		176		3.9 60 354
	5	9/21/2013	11:15	747	496	SFC	A1	Run	Boulder	Rock	4	10.2	210		176		4.0 60 354
	6	9/24/2013	12:00	747	443	SFC	A1	Run	Boulder	Rock	4	11.9	210		175		4.0 60 354
3																	
	0301																
	1	8/26/2013	10:15	1808	1001	SFC	A2	Run	Boulder	R+B	2	12.4	210		176		4.2 60 354
	2	9/1/2013	10:30	1808	907	SFC	A2	Run	Boulder	R+B	2	10.8	210		177		4.8 60 354
	3	9/11/2013	11:15	1808	860	SFC	A2	Run	Boulder	R+B	2	12.9	210		192		5.0 60 354
	4	9/17/2013	10:30	1808	998	SFC	A2	Run	Boulder	R+B	2	12.1	210		183		5.0 60 354
	5	9/22/2013	10:00	1808	962	SFC	A2	Run	Boulder	R+B	2	10.1	210		180		4.8 60 354
	6	9/25/2013	10:00	1808	1004	SFC	A2	Run	Boulder	R+B	2	11.3	210		180		5.0 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
3																	
	0302																
	1	8/26/2013	9:15	1840	899	SFC	A2	Run	Boulder	R+B	3	12.9	45		250		4.2 60 354
	2	9/1/2013	9:30	1840	809	SFC	A2	Run	Boulder	R+B	3	11.0	210		196		3.8 60 354
	3	9/11/2013	10:15	1840	752	SFC	A2	Run	Boulder	R+B	3	13.0	210		192		4.7 60 354
	4	9/17/2013	9:15	1840	895	SFC	A2	Run	Boulder	R+B	3	12.1	115		235		5.0 60 354
	5	9/22/2013	9:30	1840	851	SFC	A2	Run	Boulder	R+B	3	10.2	210		194		4.6 60 354
	6	9/25/2013	9:30	1840	861	SFC	A2	Run	Boulder	R+B	3	11.2	210		196		5.0 60 354
	0303																
	1	8/26/2013	11:30	1378	713	SFC	A2	Run	Cobble	L+B	2	12.8	45		250		4.0 60 354
	2	9/1/2013	11:00	1378	674	SFC	A2	Run	Cobble	L+B	2	11.4	210		196		4.0 60 354
	3	9/11/2013	11:45	1378	626	SFC	A2	Run	Cobble	L+B	2	13.7	210		192		4.7 60 354
	4	9/17/2013	11:15	1378	721	SFC	A2	Run	Cobble	L+B	2	12.5	115		235		5.0 60 354
	5	9/22/2013	10:30	1378	707	SFC	A2	Run	Cobble	L+B	2	10.6	210		180		5.0 60 354
	6	9/25/2013	10:44	1378	714	SFC	A2	Run	Cobble	L+B	2	11.3	210		196		5.0 60 354
	0304																
	1	8/26/2013	12:30	1407	684	SFN	A2	Run	Cobble	Bank	1	13.0	210		176		4.0 60 354
	2	9/1/2013	11:45	1407	633	SFN	A2	Run	Cobble	Bank	1	0.0	210		177		4.0 60 354
	3	9/11/2013	12:15	1407	702	SFN	A2	Run	Cobble	Bank	1	13.7	210		192		4.7 60 354
	4	9/17/2013	12:00	1407	415	SFN	A2	Run	Cobble	Bank	1	12.5	210		183		5.0 60 354
	5	9/22/2013	11:00	1407	666	SFN	A2	Run	Cobble	Bank	1	10.6	210		180		4.8 60 354
	6	9/25/2013	11:00	1407	642	SFN	A2	Run	Cobble	Bank	1	11.3	210		180		4.5 60 354
	0305																
	1	8/26/2013	13:30	1486	795	SFN	A2	Run	Cobble	Bank	1	13.7	35		250		4.4 60 354
	2	9/1/2013	12:30	1486	753	SFN	A2	Run	Cobble	Bank	1	13.2	65		263		4.4 60 354
	3	9/11/2013	13:15	1486	736	SFN	A2	Run	Cobble	Bank	1	14.0	100		280		5.0 60 354
	4	9/17/2013	13:00	1486	847	SFN	A2	Run	Cobble	Bank	1	13.2	70		307		5.0 60 354
	5	9/22/2013	11:30	1486	845	SFN	A2	Run	Cobble	Bank	1	10.8	70		301		5.0 60 354
	6	9/25/2013	11:30	1486	793	SFN	A2	Run	Cobble	Bank	1	10.4	75		300		4.9 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
3																	
	0306																
	1	8/26/2013	14:15	980	SFN	A3	Run	Gravel	None	1	13.7	210			250		5.0 60 354
	2	9/1/2013	13:15	980	SFN	A3	Run	Gravel	None	1	13.3	65			263		4.8 60 354
	3	9/11/2013	14:45	980	SFN	A3	Run	Gravel	None	1	14.0	100			280		5.0 60 354
	4	9/17/2013	14:45	980	SFN	A3	Run	Gravel	None	1	13.3	70			307		5.0 60 354
	5	9/22/2013	13:00	980	SFN	A3	Run	Gravel	None	1	10.3	70			301		4.8 60 354
	6	9/25/2013	12:30	980	SFN	A3	Run	Gravel	None	1	10.7	75			300		4.9 60 354
	0307																
	1	8/27/2013	9:45	994	SFN	A3	Run	Cobble	None	1	12.5	210			195		4.0 60 354
	2	9/2/2013	9:30	994	SFN	A3	Run	Cobble	None	1	11.4	210			190		3.8 60 354
	3	9/12/2013	9:45	994	SFN	A3	Run	Cobble	None	1	13.3	210			175		4.0 60 354
	4	9/18/2013	9:30	994	SFN	A3	Run	Cobble	None	1	11.3	180			228		4.4 60 354
	5	9/22/2013	13:45	994	SFN	A3	Run	Cobble	None	1	11.3	210			180		4.8 60 354
	6	9/25/2013	14:00	994	SFN	A3	Run	Cobble	None	1	11.5	210			180		4.8 60 354
	0308																
	1	8/27/2013	10:30	1486	SFN	A3	Run	Cobble	None	1	12.8	210			195		4.0 60 354
	2	9/2/2013	10:15	1486	SFN	A3	Run	Cobble	None	1	11.4	210			190		3.8 60 354
	3	9/12/2013	10:15	1486	SFN	A3	Run	Cobble	None	1	13.3	210			175		4.7 60 354
	4	9/18/2013	10:45	1486	SFN	A3	Run	Cobble	None	1	11.3	180			228		4.4 60 354
	5	9/22/2013	14:15	1486	SFN	A3	Run	Cobble	None	1	11.3	210			180		4.8 60 354
	6	9/25/2013	14:45	1486	SFN	A3	Run	Cobble	None	1	11.7	210			180		4.8 60 354
	0309																
	1	8/27/2013	13:45	855	SFN	A3	Run	Cobble	None	1	13.8	175			191		5.0 60 354
	2	9/2/2013	13:00	855	SFN	A3	Run	Cobble	None	1	12.0	175			197		4.2 60 354
	3	9/12/2013	13:30	855	SFN	A3	Run	Cobble	None	1	13.8	210			175		4.5 60 354
	4	9/18/2013	13:30	855	SFN	A3	Run	Cobble	None	1	11.7	180			216		4.4 60 354
	5	9/22/2013	15:45	855	SFN	A3	Run	Cobble	None	1	11.3	210			180		4.8 60 354
	6	9/25/2013	15:45	855	SFN	A3	Run	Cobble	None	1	11.6	210			196		5.0 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
3																	
	0310																
	1	8/27/2013	14:30	1208	671	SFC	A3	Run	Gravel	None	1	0.0	175		191		4.8 60 354
	2	9/2/2013	13:30	1208	696	SFC	A3	Run	Gravel	None	1	12.0	175		197		4.4 60 354
	3	9/12/2013	14:00	1208	637	SFC	A3	Run	Gravel	None	1	13.8	210		175		5.0 60 354
	4	9/18/2013	14:15	1208	734	SFC	A3	Run	Gravel	None	1	11.5	180		216		4.2 60 354
	5	9/22/2013	16:15	1208	722	SFC	A3	Run	Gravel	None	1	11.2	210		180		5.0 60 354
	6	9/25/2013	16:00	1208	669	SFC	A3	Run	Gravel	None	1	11.6	210		196		5.0 60 354
	0311																
	1	8/27/2013	13:00	1158	600	SFC	A3	Flat	Cobble	None	1	13.8	45		289		5.0 60 354
	2	9/2/2013	12:00	1158	635	SFC	A3	Flat	Cobble	None	1	12.8	65		285		5.0 60 354
	3	9/12/2013	12:15	1158	616	SFC	A3	Flat	Cobble	None	1	14.2	100		235		5.0 60 354
	4	9/18/2013	12:45	1158	644	SFC	A3	Flat	Cobble	None	1	11.6	65		311		5.0 60 354
	5	9/22/2013	15:15	1158	589	SFC	A3	Flat	Cobble	None	1	11.3	70		267		5.0 60 354
	6	9/25/2013	15:15	1158	627	SFC	A3	Flat	Cobble	None	1	11.0	210		243		4.5 60 354
	0312																
	1	8/27/2013	15:15	1343	704	SFN	A2	Run	Cobble	Bank	2	13.9	55		248		5.0 60 354
	2	9/2/2013	14:15	1343	731	SFN	A2	Run	Cobble	Bank	2	13.4	30		264		4.4 60 354
	3	9/12/2013	14:45	1343	676	SFN	A2	Run	Cobble	Bank	2	14.4	135		215		5.0 60 354
	4	9/18/2013	15:00	1343	769	SFN	A2	Run	Cobble	Bank	2	11.9	65		311		4.0 60 354
	5	9/22/2013	16:45	1343	764	SFN	A2	Run	Cobble	Bank	2	11.5	50		267		5.0 60 354
	6	9/25/2013	16:30	1343	748	SFN	A2	Run	Cobble	Bank	2	11.6	75		243		5.0 60 354
	0314																
	1	8/26/2013	15:00	960	591	SFC	A2	Run	Cobble	Bank	2	12.9	210		195		5.2 60 354
	2	9/1/2013	14:00	960	519	SFC	A2	Run	Cobble	Bank	2	11.6	195		177		4.0 60 354
	3	9/11/2013	14:15	960	548	SFC	A2	Run	Cobble	Bank	2	13.5	210		192		5.0 60 354
	4	9/17/2013	15:15	960	555	SFC	A2	Run	Cobble	Bank	2	12.4	210		182		5.0 60 354
	5	9/22/2013	11:45	960	579	SFC	A2	Run	Cobble	Bank	2	10.3	210		180		4.8 60 354
	6	9/25/2013	12:00	960	583	SFC	A2	Run	Cobble	Bank	2	11.3	210		180		4.8 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
3																	
	0315																
	1	8/26/2013	16:00	1674	942	SFC	A3	Flat	Cobble	None	1	13.0	0		195		4.0 60 354
	2	9/1/2013	14:30	1674	942	SFC	A3	Flat	Cobble	None	1	11.7	195		178		4.5 60 354
	3	9/11/2013	15:15	1674	971	SFC	A3	Flat	Cobble	None	1	13.8	210		192		5.0 60 354
	4	9/17/2013	16:00	1674	1050	SFC	A3	Flat	Cobble	None	1	12.5	210		182		5.0 60 354
	5	9/22/2013	1:30	1674	957	SFC	A3	Flat	Cobble	None	1	10.4	210		180		4.8 60 354
	6	9/25/2013	13:30	1674	919	SFC	A3	Flat	Cobble	None	1	11.5	210		180		4.8 60 354
	0316																
	1	8/27/2013	11:30	1371	780	SFC	A2	Run	Cobble	R+L+B	3	12.6	210		179		4.8 60 354
	2	9/2/2013	11:00	1371	810	SFC	A2	Run	Cobble	R+L+B	3	11.3	201		190		5.0 60 354
	3	9/12/2013	11:00	1371	811	SFC	A2	Run	Cobble	R+L+B	3	13.2	210		175		5.0 60 354
	4	9/18/2013	11:45	1371	787	SFC	A2	Run	Cobble	R+L+B	3	11.3	210		180		4.8 60 354
	5	9/22/2013	14:45	1371	747	SFC	A2	Run	Cobble	R+L+B	3	11.3	210		180		4.8 60 354
	6	9/25/2013	14:30	1371	773	SFC	A2	Run	Cobble	R+L+B	3	11.5	210		180		4.8 60 354
5																	
	0501																
	1	8/28/2013	10:45	762	494	SFC	A2	Run	Cobble	Bank	2	12.7	30		217		4.8 60 354
	2	9/3/2013	11:00	762	429	SFC	A2	Run	Cobble	Bank	2	11.7	175		192		4.5 60 354
	3	9/13/2013	10:45	762	486	SFC	A2	Run	Cobble	Bank	2	13.8	175		213		5.0 60 354
	4	9/19/2013	10:45	762	476	SFC	A2	Run	Cobble	Bank	2	11.3	210		210		4.0 60 354
	5	9/23/2013	10:15	762	508	SFC	A2	Run	Cobble	Bank	2	10.8	210		203		5.0 60 354
	6	9/26/2013	10:15	762	470	SFC	A2	Run	Cobble	Bank	2	10.7	210		191		4.4 60 354
	0502																
	1	8/28/2013	11:30	1013	466	SFC	A2	Run	Cobble	L+B	2	12.6	30		217		4.6 60 354
	2	9/3/2013	13:15	1013	452	SFC	A2	Run	Cobble	L+B	2	11.7	180		192		4.5 60 354
	3	9/13/2013	11:30	1013	478	SFC	A2	Run	Cobble	L+B	2	13.8	175		213		5.0 60 354
	4	9/19/2013	11:30	1013	468	SFC	A2	Run	Cobble	L+B	2	11.3	210		210		4.5 60 354
	5	9/23/2013	11:15	1013	454	SFC	A2	Run	Cobble	L+B	2	11.0	210		194		5.0 60 354
	6	9/26/2013	11:00	1013	449	SFC	A2	Run	Cobble	L+B	2	11.0	210		191		4.4 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
5																	
	0503																
	1	8/28/2013	10:00	1059 359	SFN	A3	Run	Cobble	None	2	12.5	155			195		4.0 60 354
	2	9/3/2013	10:30	1059 396	SFN	A3	Run	Cobble	None	2	11.7	210			196		4.5 60 354
	3	9/13/2013	10:00	1059 378	SFN	A3	Run	Cobble	None	2	13.6	175			190		5.0 60 354
	4	9/19/2013	10:00	1059 389	SFN	A3	Run	Cobble	None	2	11.3	210			200		4.0 60 354
	5	9/23/2013	9:30	1059 363	SFN	A3	Run	Cobble	None	2	11.0	210			194		5.0 60 354
	6	9/26/2013	10:00	1059 387	SFN	A3	Run	Cobble	None	2	11.0	210			191		5.0 60 354
	0504																
	1	8/28/2013	12:00	582 430	SFN	A3	Run	Cobble	None	1	12.6	155			195		4.2 60 354
	2	9/3/2013	12:15	582 398	SFN	A3	Run	Cobble	None	1	11.7	180			196		4.5 60 354
	3	9/13/2013	12:30	582 440	SFN	A3	Run	Cobble	None	1	14.0	175			190		5.0 60 354
	4	9/19/2013	12:00	582 487	SFN	A3	Run	Cobble	None	1	12.3	210			210		4.8 60 354
	5	9/23/2013	10:45	582 457	SFN	A3	Run	Cobble	None	1	11.2	210			194		5.0 60 354
	6	9/26/2013	10:30	582 419	SFN	A3	Run	Cobble	None	1	11.1	210			191		4.8 60 354
	0505																
	1	8/28/2013	13:30	976 575	SFC	A1	Run	Cobble	R+B	2	12.7	135			198		5.0 60 354
	2	9/3/2013	14:00	976 516	SFC	A1	Run	Cobble	R+B	2	11.9	180			192		5.0 60 354
	3	9/13/2013	13:00	976 579	SFC	A1	Run	Cobble	R+B	2	14.3	175			197		5.0 60 354
	4	9/19/2013	13:15	976 673	SFC	A1	Run	Cobble	R+B	2	12.1	210			200		5.0 60 354
	5	9/23/2013	12:00	976 593	SFC	A1	Run	Cobble	R+B	2	11.0	210			194		5.0 60 354
	6	9/26/2013	11:45	976 563	SFC	A1	Run	Cobble	R+B	2	11.3	210			191		5.0 60 354
	0506																
	1	8/28/2013	14:00	1069 652	SFC	A2	Run	Cobble	Bank	2	12.8	135			198		5.0 60 354
	2	9/3/2013	14:30	1069 529	SFC	A2	Run	Cobble	Bank	2	11.9	180			192		5.0 60 354
	3	9/13/2013	13:30	1069 688	SFC	A2	Run	Cobble	Bank	2	14.5	185			197		5.0 60 354
	4	9/19/2013	14:00	1069 741	SFC	A2	Run	Cobble	Bank	2	12.1	210			200		5.0 60 354
	5	9/23/2013	12:15	1069 677	SFC	A2	Run	Cobble	Bank	2	11.2	210			194		5.0 60 354
	6	9/26/2013	12:00	1069 647	SFC	A2	Run	Cobble	Bank	2	11.5	210			191		4.8 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
5																	
	0507																
	1	8/28/2013	14:30	1087 439	SFC	A2	Run	Cobble	L+B	2	12.8	95			198		4.6 60 354
	2	9/3/2013	15:00	1087 394	SFC	A2	Run	Cobble	L+B	2	11.9	180			192		4.2 60 354
	3	9/13/2013	14:00	1087 466	SFC	A2	Run	Cobble	L+B	2	14.4	185			200		5.0 60 354
	4	9/19/2013	14:30	1087 417	SFC	A2	Run	Cobble	L+B	2	12.1	210			200		4.4 60 354
	5	9/23/2013	12:30	1087 437	SFC	A2	Run	Cobble	L+B	2	11.2	210			194		5.0 60 354
	6	9/26/2013	12:30	1087 447	SFC	A2	Run	Cobble	L+B	2	11.3	210			184		5.0 60 354
	0508																
	1	8/29/2013	13:15	971 493	SFC	A2	Run	Cobble	Bank	1	12.3	150			191		5.0 60 354
	2	9/4/2013	14:00	971 472	SFC	A2	Run	Cobble	Bank	1	13.0	210			194		4.2 60 354
	3	9/14/2013	14:00	971 558	SFC	A2	Run	Cobble	Bank	1	14.0	180			192		5.0 60 354
	4	9/20/2013	14:30	971 543	SFC	A2	Run	Cobble	Bank	1	11.3	210			186		4.8 60 354
	5	9/23/2013	16:45	971 555	SFC	A2	Run	Cobble	Bank	1	11.4	210			194		4.8 60 354
	6	9/26/2013	16:30	971 519	SFC	A2	Run	Cobble	Bank	1	12.0	210			191		5.0 60 354
	0509																
	1	8/28/2013	15:00	898 542	SFN	A3	Run	Cobble	None	1	13.2	155			198		5.0 60 354
	2	9/3/2013	15:30	898 477	SFN	A3	Run	Cobble	None	1	11.9	180			192		4.2 60 354
	3	9/13/2013	14:45	898 503	SFN	A3	Run	Cobble	None	1	14.6	185			197		5.0 60 354
	4	9/19/2013	15:00	898 585	SFN	A3	Run	Cobble	None	1	12.1	210			200		4.0 60 354
	5	9/23/2013	13:15	898 561	SFN	A3	Run	Cobble	None	1	11.6	210			194		4.8 60 354
	6	9/26/2013	13:00	898 533	SFN	A3	Run	Cobble	None	1	11.7	210			184		5.0 60 354
	0510																
	1	8/29/2013	9:45	1171 589	SFC	A1	Run	Cobble	R+L+B	2	12.2	140			191		5.0 60 354
	2	9/4/2013	11:00	1171 576	SFC	A1	Run	Cobble	R+L+B	2	12.0	210			194		4.2 60 354
	3	9/14/2013	11:00	1171 657	SFC	A1	Run	Cobble	R+L+B	2	13.4	180			194		4.8 60 354
	4	9/20/2013	10:45	1171 658	SFC	A1	Run	Cobble	R+L+B	2	10.8	210			186		4.8 60 354
	5	9/23/2013	14:15	1171 639	SFC	A1	Run	Cobble	R+L+B	2	11.3	210			194		5.0 60 354
	6	9/26/2013	14:15	1171 590	SFC	A1	Run	Cobble	R+L+B	2	11.6	210			184		4.5 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
5																	
0511	1	8/29/2013	10:45	924	380	SFC	A2	Run	Cobble	R+B	2	12.0	75		196		5.0 60 354
	2	9/4/2013	12:00	924	403	SFC	A2	Run	Cobble	R+B	2	12.4	210		194		4.2 60 354
	3	9/14/2013	11:30	924	391	SFC	A2	Run	Cobble	R+B	2	13.7	180		194		5.0 60 354
	4	9/20/2013	11:30	924	619	SFC	A2	Run	Cobble	R+B	2	10.9	185		186		5.0 60 354
	5	9/23/2013	14:30	924	382	SFC	A2	Run	Cobble	R+B	2	11.4	210		194		4.8 60 354
	6	9/26/2013	15:00	924	397	SFC	A2	Run	Cobble	R+B	2	11.9	210		191		4.8 60 354
0512	1	8/28/2013	16:00	1098	614	SFN	A3	Run	Cobble	None	1	13.1	155		206		4.8 60 354
	2	9/4/2013	10:15	1098	541	SFN	A3	Run	Cobble	None	1	12.0	210		194		4.2 60 354
	3	9/14/2013	10:00	1098	612	SFN	A3	Run	Cobble	None	1	13.7	180		194		5.0 60 354
	4	9/20/2013	10:00	1098	618	SFN	A3	Run	Cobble	None	1	11.0	210		194		4.6 60 354
	5	9/23/2013	13:45	1098	689	SFN	A3	Run	Cobble	None	1	11.5	210		194		4.8 60 354
	6	9/26/2013	14:45	1098	698	SFN	A3	Run	Cobble	None	1	11.8	210		184		5.0 60 354
0513	1	8/29/2013	12:00	999	399	SFN	A3	Run	Cobble	None	1	12.3	160		191		5.2 60 354
	2	9/4/2013	13:15	999	389	SFN	A3	Run	Cobble	None	1	12.5	210		194		4.2 60 354
	3	9/14/2013	13:00	999	480	SFN	A3	Run	Cobble	None	1	14.0	180		187		5.2 60 354
	4	9/20/2013	13:30	999	441	SFN	A3	Run	Cobble	None	1	11.3	210		186		5.0 60 354
	5	9/23/2013	16:00	999	412	SFN	A3	Run	Cobble	None	1	11.4	210		194		5.0 60 354
	6	9/26/2013	16:00	999	403	SFN	A3	Run	Cobble	None	1	0.0	210		184		5.0 60 354
0514	1	8/29/2013	12:45	785	325	SFN	A3	Run	Cobble	None	1	12.4	160		191		5.0 60 354
	2	9/4/2013	13:45	785	397	SFN	A3	Run	Cobble	None	1	13.0	210		194		4.2 60 354
	3	9/14/2013	13:30	785	368	SFN	A3	Run	Cobble	None	1	14.0	180		187		5.0 60 354
	4	9/20/2013	13:45	785	353	SFN	A3	Run	Cobble	None	1	11.3	210		186		5.0 60 354
	5	9/23/2013	16:15	785	442	SFN	A3	Run	Cobble	None	1	11.4	210		194		5.0 60 354
	6	9/26/2013	16:15	785	338	SFN	A3	Run	Cobble	None	1	12.1	210		184		5.0 60 354

Appendix B Table B1. Standard boat electrofisher sampling conditions, 2013 Peace River Fish Index Project.

Section	Site Label Run	Date	Time	Effort (m) (s)	Habitat Type	Bank Habitat	Instream Habitat	Dominant Substrate	Dominant Cover	Bank Slope (1-4)	Water Temp. (C)	Clarity (cm)	Level (mm)	Vel. (1-4)	Cond. (us/cm)	Light (1-4)	Electrofisher A Hz V
5																	
	0515																
	1	8/29/2013	11:15	802	550	SFN	A3	Run	Cobble	None	1	12.3	75		196		5.2 60 354
	2	9/4/2013	12:30	802	539	SFN	A3	Run	Cobble	None	1	12.5	210		194		4.2 60 354
	3	9/14/2013	12:00	802	566	SFN	A3	Run	Cobble	None	1	14.0	180		194		5.0 60 354
	4	9/20/2013	12:20	802	569	SFN	A3	Run	Cobble	None	1	11.0	210		186		4.6 60 354
	5	9/23/2013	15:45	802	616	SFN	A3	Run	Cobble	None	1	11.4	210		194		4.8 60 354
	6	9/26/2013	15:30	802	576	SFN	A3	Run	Cobble	None	1	13.0	210		191		5.0 60 354

APPENDIX C

Biological Characteristics

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Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0104	1	1	Mountain whitefish	292	282	SCALES		0	PIT	900026000052147
	0104	1	2	Mountain whitefish	324	348	SCALES		0	PIT	900026000155158
	0104	1	3	Mountain whitefish	273	242	SCALES		0	PIT	900026000147672
	0104	1	4	Mountain whitefish	264	214	SCALES		0	PIT	900026000155200
	0104	1	5	Mountain whitefish	298	312	SCALES		0	PIT	900026000154745
	0104	1	6	Mountain whitefish	328	376	SCALES		0	PIT	900026000155422
	0104	1	7	Mountain whitefish	353	436	SCALES	9	2	PIT	965000000246410
	0104	1	8	Mountain whitefish	292	258	SCALES		2	PIT	965000000093177
	0104	1	9	Mountain whitefish	262	252	SCALES	5	2	PIT	900026000055144
	0103	1	10	Lake trout	656	3250	FIN RAY		0		
	0103	1	11	Mountain whitefish	239	164	SCALES		0		
	0103	1	12	Mountain whitefish	292	308	SCALES		2	PIT	965000000087156
	0103	1	13	Mountain whitefish	256		SCALES		0	PIT	900026000055488
	0103	1	14	Mountain whitefish	325	362	SCALES		2	PIT	900026000155158
	0103	1	15	Mountain whitefish	308	386	SCALES		0	PIT	900026000147362
	0103	1	16	Mountain whitefish	270	248	SCALES		0	PIT	900026000154509
	0103	1	17	Mountain whitefish	247	196	SCALES		0		
	0103	1	18	Mountain whitefish	358	484	SCALES		2	PIT	900026000148684
	0103	1	19	Mountain whitefish	298	302	SCALES		0	PIT	900026000155323
	0103	1	20	Mountain whitefish	332	386	SCALES		2	PIT	900026000155422
	0103	1	21	Mountain whitefish	297	318	SCALES		2	PIT	900026000154745
	0103	1	22	Mountain whitefish	299	332	SCALES	5	0	PIT	900026000055561
	0103	1	23	Mountain whitefish	251	202	SCALES		0	PIT	900026000155252
	0103	1	24	Mountain whitefish	263	222	SCALES		2	PIT	900026000155200
	0103	1	25	Mountain whitefish	258	246	SCALES		0	PIT	900026000147278
	0103	1	26	Rainbow trout	226	146	SCALES		0		
	0103	1	27	Rainbow trout	261	244	SCALES		0	PIT	900026000147057
	0103	1	28	Rainbow trout	341	444	SCALES		0	PIT	900026000154698
	0105	1	29	Mountain whitefish	249	220	SCALES		0		
	0105	1	30	Mountain whitefish	289	310	SCALES	5	0		
	0105	1	31	Mountain whitefish	380	464	SCALES		2	PIT	900026000061754
	0105	1	32	Mountain whitefish	286	272	SCALES	4	0	PIT	900026000147180
	0105	1	33	Mountain whitefish	373	552	SCALES		0	PIT	900026000147116
	0105	1	34	Mountain whitefish	264	244	SCALES		0	PIT	900026000155258
	0105	1	35	Mountain whitefish	281	252	SCALES		0	PIT	900026000054023
	0105	1	36	Mountain whitefish	277	268	SCALES		2	PIT	965000000085377
	0105	1	37	Mountain whitefish	262	210	SCALES		0	PIT	900026000148042
	0105	1	38	Mountain whitefish	389	530	SCALES		2	PIT	900026000146219
	0105	1	39	Mountain whitefish	265	248	SCALES		0	PIT	900026000052362
	0105	1	40	Mountain whitefish	263	226	SCALES		0	PIT	900026000155209
	0105	1	41	Mountain whitefish	262	214	SCALES		0	PIT	900026000155074
	0105	1	42	Mountain whitefish	312	312	SCALES		2	FLOY	13041 WHITE
	0105	1	43	Mountain whitefish	258	222	SCALES	4	0	PIT	900026000155383
	0105	1	44	Rainbow trout	288	304	SCALES		0	PIT	900026000154560
	0101	1	45	Mountain whitefish	336	360	SCALES		2	FLOY	9410 YELLOW
	0101	1	46	Mountain whitefish	316	372	SCALES		2	PIT	900026000052475
	0101	1	47	Mountain whitefish	428	924	SCALES		2	PIT	900026000063647
	0101	1	48	Mountain whitefish	270	236	SCALES		0	PIT	900026000052242
	0101	1	49	Mountain whitefish	267	236	SCALES		0	PIT	900026000155481
	0101	1	50	Mountain whitefish	342	396	SCALES		2	PIT	900026000064007
	0101	1	51	Mountain whitefish	306	324	SCALES		0	PIT	900026000147798

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0101	1	52	Mountain whitefish	300	308	SCALES		2	PIT	900026000083585
	0101	1	53	Mountain whitefish	306	414	SCALES		0	PIT	900026000147897
	0101	1	54	Mountain whitefish	302	308	SCALES		2	PIT	900026000053293
	0101	1	55	Mountain whitefish	306	252	SCALES		0	PIT	900026000154691
	0101	1	56	Mountain whitefish	338	428	SCALES		0	PIT	900026000052190
	0101	1	57	Mountain whitefish	260	220	SCALES		0	PIT	900026000051776
	0101	1	58	Mountain whitefish	258	210	SCALES		0	PIT	900026000147177
	0101	1	59	Mountain whitefish	399	644	SCALES		0	PIT	900026000147213
	0101	1	60	Mountain whitefish	235	178	SCALES		0		
	0101	1	61	Mountain whitefish	276	260	SCALES		0	PIT	900026000155022
	0101	1	62	Mountain whitefish	234	160	SCALES		0		
	0101	1	63	Mountain whitefish	343	390	SCALES		0	PIT	900026000155104
	0101	1	64	Mountain whitefish	291	250	SCALES	6	2	PIT	965000000246808
	0101	1	65	Mountain whitefish	315	348	SCALES		2	PIT	965000000238850
	0101	1	66	Mountain whitefish	258	216	SCALES		0	PIT	900026000154947
	0101	1	67	Mountain whitefish	312	358	SCALES		0	PIT	900026000147520
	0101	1	68	Mountain whitefish	283	264	SCALES		2	PIT	965000000239163
	0101	1	69	Mountain whitefish	276	264	SCALES		0	PIT	900026000154606
	0101	1	70	Mountain whitefish	258	236	SCALES		0	PIT	900026000155338
	0101	1	71	Mountain whitefish	307	354	SCALES	5	0	PIT	900026000147150
	0101	1	72	Mountain whitefish	310	330	SCALES		0	PIT	900026000154516
	0101	1	73	Mountain whitefish	304	290	SCALES		0	PIT	900026000055853
	0101	1	74	Mountain whitefish	283	320	SCALES		2	PIT	900026000060704
	0101	1	75	Mountain whitefish	269	250	SCALES		0	PIT	900026000147376
	0101	1	76	Mountain whitefish	250	220	SCALES		0	PIT	900026000147352
	0101	1	77	Mountain whitefish	265	228	SCALES		0	PIT	900026000154628
	0101	1	78	Mountain whitefish	258	216	SCALES		0	PIT	900026000147624
	0101	1	79	Mountain whitefish	299	314	SCALES		2	PIT	900026000035556
	0101	1	80	Mountain whitefish	285	288	SCALES	4	2	PIT	965000000092037
	0101	1	81	Mountain whitefish	284	230	SCALES		0	PIT	900026000154959
	0101	1	82	Mountain whitefish	252	210	SCALES		0	PIT	900026000154615
	0101	1	83	Mountain whitefish	359	460	SCALES		2	PIT	900026000064522
	0101	1	84	Mountain whitefish	255	186	SCALES		0	PIT	900026000155179
	0101	1	85	Mountain whitefish	322	408	SCALES		2	PIT	965000000245345
	0101	1	86	Mountain whitefish	275	270	SCALES		0	PIT	900026000155443
	0101	1	87	Mountain whitefish	264	244	SCALES	4	0	PIT	900026000154954
	0101	1	88	Mountain whitefish	288	298	SCALES		2	PIT	900026000083834
	0101	1	89	Mountain whitefish	262	234	SCALES		0	PIT	900026000155180
	0101	1	90	Mountain whitefish	282	264	SCALES		0	PIT	900026000155087
	0101	1	91	Mountain whitefish	317	430	SCALES	6	0	PIT	900026000154853
	0101	1	92	Mountain whitefish	297	318	SCALES		0	PIT	900026000154704
	0101	1	93	Mountain whitefish	264	244	SCALES		0	PIT	900026000147065
	0101	1	94	Mountain whitefish	300	322	SCALES		0	PIT	900026000033577
	0101	1	95	Mountain whitefish	270	250	SCALES		0	PIT	900026000147014
	0101	1	96	Mountain whitefish	304	370	SCALES		2	PIT	900026000053973
	0101	1	97	Mountain whitefish	260	236	SCALES		0	PIT	900026000154561
	0101	1	98	Mountain whitefish	250	214	SCALES		0	PIT	900026000154825
	0101	1	99	Mountain whitefish	304	332	SCALES		2	PIT	900026000148816
	0101	1	100	Mountain whitefish	386	528	SCALES		0	PIT	900026000155394
	0101	1	101	Mountain whitefish	290	292	SCALES		0	PIT	900026000035292
	0101	1	102	Mountain whitefish	256	216	SCALES		0	PIT	900026000155027

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0101	1	103	Mountain whitefish	291	308	SCALES		0	PIT	900026000147887
	0101	1	104	Mountain whitefish	325	394	SCALES		0	PIT	900026000147373
	0101	1	105	Mountain whitefish	281	310	SCALES		0	PIT	900026000147839
	0101	1	106	Mountain whitefish	258	210	SCALES		0	PIT	900026000155131
	0101	1	107	Mountain whitefish	241	186	SCALES		0		
	0101	1	108	Mountain whitefish	299	326	SCALES		0	PIT	900026000155201
	0101	1	109	Mountain whitefish	342	394	SCALES		0	PIT	900026000154816
	0101	1	110	Mountain whitefish	341	390	SCALES		2	PIT	4D00030817
	0101	1	111	Mountain whitefish	264	240	SCALES	4	0	PIT	900026000155023
	0101	1	112	Mountain whitefish	280	284	SCALES		0	PIT	900026000154586
	0101	1	113	Mountain whitefish	330	408	SCALES		2	PIT	900026000063648
	0101	1	114	Mountain whitefish	317	382	SCALES		2	PIT	900026000055782
	0101	1	115	Mountain whitefish	324	358	SCALES		2	PIT	965000000243339
	0101	1	116	Mountain whitefish	240	186	SCALES		0		
	0102	1	117	Mountain whitefish	274	270	SCALES		0	PIT	900026000154624
	0102	1	118	Mountain whitefish	278	280	SCALES	5	2	PIT	900026000055369
	0102	1	119	Mountain whitefish	317	396	SCALES		0	PIT	900026000154742
	0102	1	120	Mountain whitefish	323	368	SCALES		2	PIT	965000000086202
	0102	1	121	Mountain whitefish	284	300	SCALES	4	0	PIT	900026000155480
	0102	1	122	Mountain whitefish	247	202	SCALES		0		
	0102	1	123	Mountain whitefish	337	410	SCALES		2	PIT	965000000241985
	0102	1	124	Mountain whitefish	368	578	SCALES		0	PIT	900026000147747
	0102	1	125	Mountain whitefish	374	538	SCALES	9	0	PIT	900026000147817
	0102	1	126	Mountain whitefish	315	358	SCALES		0	PIT	900026000154679
	0102	1	127	Mountain whitefish	331	440	SCALES	7	2	PIT	965000000090408
	0102	1	128	Mountain whitefish	275	268	SCALES		0	PIT	900026000154676
	0102	1	129	Mountain whitefish	277	232	SCALES		2	PIT	900026000056482
	0102	1	130	Mountain whitefish	267	214	SCALES		0	PIT	900026000147268
	0102	1	131	Mountain whitefish	314	416	SCALES		2	PIT	965000000245413
	0102	1	132	Mountain whitefish	253	194	SCALES		0	PIT	900026000147476
	0102	1	133	Mountain whitefish	288	278	SCALES		0	PIT	900026000056060
	0102	1	134	Mountain whitefish	317	388	SCALES		0	PIT	900026000056497
	0102	1	135	Mountain whitefish	262	236	SCALES		0	PIT	900026000154585
	0102	1	136	Mountain whitefish	267	238	SCALES		0	PIT	900026000155304
	0102	1	137	Mountain whitefish	299	254	SCALES		0	PIT	900026000154965
	0102	1	138	Mountain whitefish	283	268	SCALES		0	PIT	900026000155162
	0102	1	139	Mountain whitefish	252	206	SCALES		0	PIT	900026000154802
	0102	1	140	Mountain whitefish	243	176	SCALES		0		
	0102	1	141	Mountain whitefish	370	482	SCALES		2	PIT	900026000061677
	0102	1	142	Mountain whitefish	300	382	SCALES		0	PIT	900026000154717
	0102	1	143	Mountain whitefish	248	176	SCALES		0		
	0102	1	144	Mountain whitefish	283	324	SCALES		0	PIT	900026000083637
	0102	1	145	Mountain whitefish	239	146	SCALES		0		
	0102	1	146	Mountain whitefish	270	236	SCALES	3	0	PIT	900026000155072
	0102	1	147	Mountain whitefish	299	300	SCALES		0	PIT	900026000147740
	0102	1	148	Mountain whitefish	308	358	SCALES	5	2	PIT	965000000093715
	0102	1	149	Mountain whitefish	289	280	SCALES		0	PIT	900026000154618
	0102	1	150	Mountain whitefish	294	332	SCALES		2	PIT	900026000064564
	0102	1	151	Mountain whitefish	282	270	SCALES		0	PIT	900026000154766
	0102	1	152	Mountain whitefish	332	450	SCALES		0	PIT	900026000147139
	0102	1	153	Mountain whitefish	259	210	SCALES		0	PIT	900026000154526

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0102	1	154	Mountain whitefish	335	446	SCALES		0	PIT	900026000147401
	0119	1	155	Mountain whitefish	254	204	SCALES		0	PIT	900026000052252
	0119	1	156	Mountain whitefish	310	308	SCALES	5	0	PIT	900026000056800
	0119	1	157	Mountain whitefish	318	410	SCALES		0	PIT	900026000155151
	0119	1	158	Mountain whitefish	276	268	SCALES		0	PIT	900026000154858
	0119	1	159	Mountain whitefish	265	224	SCALES		0	PIT	900026000155455
	0119	1	160	Mountain whitefish	299	314	SCALES		0	PIT	900026000147533
	0119	1	161	Mountain whitefish	340	402	SCALES		0	PIT	900026000147111
	0119	1	162	Mountain whitefish	291	314	SCALES		0	PIT	900026000033482
	0119	1	163	Mountain whitefish	337	386	SCALES		0	PIT	900026000155300
	0119	1	164	Rainbow trout	285	300	SCALES		0	PIT	900026000154734
	0119	1	165	Mountain whitefish	283	288	SCALES		0	PIT	900026000155188
	0119	1	166	Mountain whitefish	307	338	SCALES		0	PIT	900026000154635
	0119	1	167	Mountain whitefish	243	176	SCALES		0		
	0119	1	168	Mountain whitefish	265	240	SCALES		0	PIT	900026000147862
	0119	1	169	Mountain whitefish	314	298	SCALES		0	PIT	900026000154876
	0119	1	170	Mountain whitefish	294	294	SCALES		2	PIT	900026000056358
	0119	1	171	Mountain whitefish	329	324	SCALES		2	PIT	965000000109863
	0119	1	172	Mountain whitefish	297	274	SCALES		0	PIT	900026000147101
	0119	1	173	Rainbow trout	267	244	SCALES		0	PIT	900026000154695
	0119	1	174	Mountain whitefish	256	182	SCALES		0	PIT	900026000053735
	0119	1	175	Rainbow trout	339	460	SCALES		0	PIT	900026000154940
	0119	1	176	Mountain whitefish	272	270	SCALES	5	0	PIT	900026000154709
	0119	1	177	Mountain whitefish	255	182	SCALES		0	PIT	900026000147748
	0119	1	178	Rainbow trout	315	320	SCALES		0	PIT	900026000155355
	0119	1	179	Rainbow trout	371	616	SCALES		0	PIT	900026000154826
	0107	1	180	Rainbow trout	354	548	SCALES		0	PIT	900026000033516
	0107	1	181	Rainbow trout	246	192	SCALES		0		
	0107	1	182	Mountain whitefish	318	400	SCALES		0	PIT	900026000155028
	0107	1	183	Mountain whitefish	274	254	SCALES		0	PIT	900026000154763
	0107	1	184	Mountain whitefish	292	290	SCALES		0	PIT	900026000154589
	0107	1	185	Mountain whitefish	335	406	SCALES		2	PIT	900026000057365
	0107	1	186	Mountain whitefish	327	344	SCALES		0	PIT	900026000147292
	0107	1	187	Mountain whitefish	262	208	SCALES		0	PIT	900026000147696
	0110	1	188	Mountain whitefish	306	348	SCALES		2	PIT	900026000035166
	0110	1	189	Mountain whitefish	291	272	SCALES		0	PIT	900026000155366
	0110	1	190	Mountain whitefish	385	620	SCALES		5	PIT	900026000154545
	0110	1	191	Mountain whitefish	282	260	SCALES		0	PIT	900026000052333
	0110	1	192	Mountain whitefish	303	370	SCALES		0	PIT	900026000147953
	0110	1	193	Mountain whitefish	262	250	SCALES		0		
	0110	1	194	Mountain whitefish	307	354	SCALES		0	PIT	900026000155217
	0108	1	195	Mountain whitefish	420	732	SCALES		0	PIT	900026000154649
	0108	1	196	Mountain whitefish	422	758	SCALES		0	PIT	900026000154741
	0108	1	197	Mountain whitefish	277	290	SCALES		0	PIT	900026000052361
	0108	1	198	Mountain whitefish	267	222	SCALES		0	PIT	900026000155098
	0108	1	199	Mountain whitefish	244	206	SCALES		0		
	0108	1	200	Mountain whitefish	260	220	SCALES		0	PIT	900026000154966
	0108	1	201	Mountain whitefish	336	424	SCALES		0	PIT	900026000147665
	0108	1	202	Mountain whitefish	304	336	SCALES	5	0	PIT	900026000155082
	0108	1	203	Mountain whitefish	286	240	SCALES		2	PIT	900026000055147
	0108	1	204	Mountain whitefish	257	220	SCALES		0	PIT	900026000147726

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0108	1	205	Mountain whitefish	291	326	SCALES		2	PIT	965000000110368
	0108	1	206	Mountain whitefish	282	248	SCALES		0	PIT	900026000155365
	0108	1	207	Mountain whitefish	296	290	SCALES		0	PIT	900026000053825
	0108	1	208	Mountain whitefish	249	178	SCALES		0		
	0109	1	209	Mountain whitefish	296	304	SCALES		0		
	0109	1	210	Rainbow trout	350	532	SCALES		2	PIT	900026000033516
	0109	1	211	Mountain whitefish	379	522	SCALES		2	FLOY	5135 YELLOW
	0109	1	212	Mountain whitefish	267	260	SCALES		0	PIT	900026000057176
	0109	1	213	Mountain whitefish	295	296	SCALES		0	PIT	900026000147763
	0109	1	214	Mountain whitefish	294	314	SCALES		2	PIT	900026000063911
	0109	1	215	Mountain whitefish	253	196	SCALES		0	PIT	900026000148938
	0109	1	216	Mountain whitefish	307	326	SCALES		0	PIT	900026000053893
	0109	1	217	Mountain whitefish	282	258	SCALES	4	0	PIT	900026000055678
	0109	1	218	Mountain whitefish	423	724	SCALES		2	PIT	900026000154649
	0109	1	219	Mountain whitefish	264	202	SCALES		0	PIT	900026000147548
	0109	1	220	Mountain whitefish	298	282	SCALES		0	PIT	900026000148390
	0109	1	221	Mountain whitefish	382	578	SCALES		0	PIT	900026000147860
	0109	1	222	Mountain whitefish	247	172	SCALES		0		
	0109	1	223	Mountain whitefish	269	234	SCALES		0	PIT	900026000147813
	0109	1	224	Mountain whitefish	316	382	SCALES		0	PIT	900026000054012
	0109	1	225	Mountain whitefish	311	362	SCALES		0	PIT	900026000148706
	0109	1	226	Mountain whitefish	310	288	SCALES		2	PIT	900026000052806
	0109	1	227	Mountain whitefish	293	292	SCALES		2	PIT	965000000244556
	0109	1	228	Mountain whitefish	416	746	SCALES		0	PIT	900026000147212
	0109	1	229	Mountain whitefish	308	328	SCALES		0	PIT	900026000155293
	0109	1	230	Mountain whitefish	283	272	SCALES		0	PIT	900026000055222
	0109	1	231	Mountain whitefish	286	284	SCALES		2	PIT	965000000110201
	0109	1	232	Mountain whitefish	308	282	SCALES		0	PIT	900026000147542
	0109	1	233	Mountain whitefish	335	420	SCALES		2	PIT	965000000245135
	0109	1	234	Mountain whitefish	302	272	SCALES		2	PIT	900026000054632
	0109	1	235	Mountain whitefish	305	304	SCALES	5	0	PIT	900026000147582
	0109	1	236	Mountain whitefish	280	252	SCALES		0	PIT	900026000155174
	0109	1	237	Mountain whitefish	256	210	SCALES		0	PIT	900026000083910
	0109	1	238	Mountain whitefish	267	262	SCALES	4	0	PIT	900026000148290
	0109	1	239	Mountain whitefish	283	278	SCALES		0	PIT	900026000154991
	0109	1	240	Mountain whitefish	304	328	SCALES		0	PIT	900026000147844
	0109	1	241	Mountain whitefish	278	270	SCALES		0	PIT	900026000146163
	0109	1	242	Mountain whitefish	296	318	SCALES		0	PIT	900026000154848
	0109	1	243	Mountain whitefish	293	298	SCALES		2	PIT	965000000244171
	0109	1	244	Mountain whitefish	299	304	SCALES		0		
	0109	1	245	Mountain whitefish	298	298	SCALES		2	PIT	900026000148715
	0109	1	246	Mountain whitefish	274	240	SCALES/OTOLITH		1		
	0109	1	247	Mountain whitefish	288	304	SCALES		0	PIT	900026000148163
	0109	1	248	Mountain whitefish	295	270	SCALES		0	PIT	900026000147286
	0109	1	249	Mountain whitefish	298	302	SCALES		2	PIT	965000000111053
	0109	1	250	Mountain whitefish	278	286	SCALES		0	PIT	900026000155263
	0109	1	251	Mountain whitefish	309	362	SCALES		2	PIT	965000000111607
	0109	1	252	Mountain whitefish	297	316	SCALES		2	PIT	900026000060975
	0109	1	253	Mountain whitefish	273	242	SCALES		0	PIT	900026000146090
	0109	1	254	Mountain whitefish	283	282	SCALES		0	PIT	900026000053844
	0109	1	255	Mountain whitefish	287	288	SCALES		0	PIT	900026000148346

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag		
										Number	Colour	
1												
	0109	1	256	Mountain whitefish	262	218	SCALES		0	PIT	900026000146002	
	0109	1	257	Mountain whitefish	374	632	SCALES		0	PIT	900026000083753	
	0109	1	258	Mountain whitefish	294	318	SCALES		0	PIT	900026000146231	
	0109	1	259	Mountain whitefish	270	260	SCALES		0	PIT	900026000154842	
	0109	1	260	Mountain whitefish	329	362	SCALES		5	PIT	900026000147781	
	0109	1	261	Mountain whitefish	303	318	SCALES		0	PIT	900026000148878	
	0109	1	262	Mountain whitefish	257	216	SCALES		0	PIT	900026000146204	
	0109	1	263	Mountain whitefish	280	270	SCALES		0	PIT	900026000148431	
	0109	1	264	Mountain whitefish	376	640	SCALES		2	PIT	965000000243276	
	0109	1	265	Mountain whitefish	327	368	SCALES		2	PIT	965000000242050	
	0109	1	266	Mountain whitefish	294	274	SCALES		0	PIT	900026000155345	
	0109	1	267	Mountain whitefish	254	194	SCALES		0	PIT	900026000154961	
	0109	1	268	Mountain whitefish	263	226	SCALES		0	PIT	900026000155461	
	0109	1	269	Mountain whitefish	322	266	SCALES		2	FLOY	11835	WHITE
	0109	1	270	Mountain whitefish	294	272	SCALES		0	PIT	900026000147638	
	0109	1	271	Mountain whitefish	257	236	SCALES		0			
	0109	1	272	Mountain whitefish	285	300	SCALES	5	2	PIT	900026000052342	
	0109	1	273	Mountain whitefish	286	286	SCALES	5	2	PIT	900026000035131	
	0109	1	274	Mountain whitefish	260	216	SCALES	4	0	PIT	900026000147854	
	0109	1	275	Mountain whitefish	315	354	SCALES	6	0	PIT	900026000146253	
	0109	1	276	Mountain whitefish	290	268	SCALES		0	PIT	900026000154873	
	0109	1	277	Mountain whitefish	290	292	SCALES		0	PIT	900026000155093	
	0109	1	278	Mountain whitefish	292	290	SCALES		0	PIT	900026000147676	
	0109	1	279	Mountain whitefish	342	438	SCALES		2	PIT	900026000148720	
	0109	1	280	Mountain whitefish	307	342	SCALES		0	PIT	900026000051217	
	0109	1	281	Mountain whitefish	262	226	SCALES		0	PIT	900026000147633	
	0109	1	282	Mountain whitefish	302	308	SCALES		0	PIT	900026000147604	
	0109	1	283	Mountain whitefish	243	166	SCALES		0			
	0109	1	284	Mountain whitefish	290	262	SCALES		2	PIT	900026000063440	
	0109	1	285	Mountain whitefish	274	242	SCALES		0	PIT	900026000147332	
	0109	1	286	Mountain whitefish	285	260	SCALES		0	PIT	900026000155140	
	0109	1	287	Mountain whitefish	311	226	SCALES	5	2	PIT	965000000282084	
	0109	1	288	Mountain whitefish	308	322	SCALES		0	PIT	900026000155212	
	0109	1	289	Mountain whitefish	345	424	SCALES		0	PIT	900026000147667	
	0109	1	290	Mountain whitefish	274	216	SCALES		0	PIT	900026000056061	
	0113	1	291	Mountain whitefish	260	230	SCALES		0			
	0113	1	292	Mountain whitefish	304	288			0	PIT	900026000155387	
	0113	1	293	Mountain whitefish	343	360	SCALES		0	PIT	900026000155228	
	0113	1	294	Mountain whitefish	311	324	SCALES		0	PIT	900026000154518	
	0113	1	295	Mountain whitefish	424	724	SCALES		0	PIT	900026000147240	
	0113	1	296	Mountain whitefish	279	228	SCALES		0	PIT	900026000155457	
	0113	1	297	Mountain whitefish	337	416	SCALES		2	PIT	965000000238379	
	0113	1	298	Mountain whitefish	312	316	SCALES		0	PIT	900026000154631	
	0113	1	299	Mountain whitefish	312	350	SCALES		0	PIT	900026000154889	
	0113	1	300	Mountain whitefish	306	294	SCALES		0	PIT	900026000154551	
	0113	1	301	Mountain whitefish	299	276	SCALES		0	PIT	900026000155077	
	0113	1	302	Mountain whitefish	307	320	SCALES		2	PIT	965000000282500	
	0113	1	303	Mountain whitefish	234	158	SCALES		0			
	0113	1	304	Mountain whitefish	238	172	SCALES		0			
	0113	1	305	Mountain whitefish	292	318	SCALES		0	PIT	900026000154829	
	0113	1	306	Mountain whitefish	338	390	SCALES	5	2	PIT	965000000091237	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0113	1	307	Mountain whitefish	286	296	SCALES		0	PIT	900026000035183
	0113	1	308	Mountain whitefish	303	298	SCALES		0	PIT	900026000154720
	0113	1	309	Mountain whitefish	262	208	SCALES		0	PIT	900026000147662
	0113	1	310	Mountain whitefish	224	150	SCALES		0		
	0113	1	311	Mountain whitefish	313	264	SCALES		0	PIT	900026000155238
	0113	1	312	Mountain whitefish	287	278	SCALES	2	PIT	900026000056079	
	0113	1	313	Mountain whitefish	291	282	SCALES	2	PIT	965000000238203	
	0113	1	314	Mountain whitefish	257	192	SCALES	0	PIT	900026000061623	
	0113	1	315	Mountain whitefish	270	230	SCALES	0	PIT	900026000147393	
	0113	1	316	Mountain whitefish	260	234	SCALES	4	0	PIT	900026000155275
	0113	1	317	Mountain whitefish	253	220	SCALES	0	PIT	900026000154843	
	0113	1	318	Mountain whitefish	247	170	SCALES		0		
	0113	1	319	Mountain whitefish	233	132	SCALES		0		
	0113	1	320	Mountain whitefish	247	168	SCALES		0		
	0113	1	321	Mountain whitefish	289	300	SCALES	2	PIT	965000000081715	
	0113	1	322	Mountain whitefish	320	380	SCALES	2	PIT	965000000071213	
	0113	1	323	Mountain whitefish	282	242	SCALES	0	PIT	900026000154536	
	0113	1	324	Mountain whitefish	330	308	SCALES	2	PIT	965000000242492	
	0113	1	325	Mountain whitefish	282	270	SCALES	0	PIT	900026000155370	
	0113	1	326	Mountain whitefish	267	250	SCALES	0	PIT	900026000154896	
	0113	1	327	Mountain whitefish	215	130	SCALES		0		
	0113	1	328	Mountain whitefish	247	194	SCALES		0		
	0113	1	329	Mountain whitefish	265	202	SCALES	0	PIT	900026000155389	
	0113	1	330	Mountain whitefish	301	284	SCALES	0	PIT	900026000155465	
	0113	1	331	Mountain whitefish	235	148	SCALES		0		
	0113	1	332	Mountain whitefish	239	170	SCALES	3	0		
	0113	1	333	Mountain whitefish	300	290	SCALES	2	PIT	900026000065323	
	0113	1	334	Mountain whitefish	286	270	SCALES	2	PIT	965000000084262	
	0113	1	335	Mountain whitefish	242	186	SCALES		0		
	0113	1	336	Mountain whitefish	254	204	SCALES	0	PIT	900026000052505	
	0113	1	337	Mountain whitefish	313	312	SCALES	0	PIT	900026000155055	
	0113	1	338	Mountain whitefish	302	318	SCALES	0	PIT	965000000281155	
	0113	1	339	Mountain whitefish	267	210	SCALES	5	0	PIT	900026000053759
	0113	1	340	Mountain whitefish	283	264	SCALES	0	PIT	900026000083173	
	0113	1	341	Mountain whitefish	262	206	SCALES	0	PIT	900026000154627	
	0113	1	342	Mountain whitefish	252	204	SCALES	0	PIT	900026000054070	
	0111	1	343	Rainbow trout	336	444	SCALES	0	PIT	900026000084042	
	0111	1	344	Rainbow trout	302	392	SCALES	0	PIT	900026000147197	
	0111	1	345	Rainbow trout	330	416	SCALES	0	PIT	900026000154855	
	0111	1	346	Mountain whitefish	286	306	SCALES	0	PIT	900026000154857	
	0111	1	347	Mountain whitefish	326	414	SCALES	2	PIT	900026000148423	
	0111	1	348	Mountain whitefish	301	340	SCALES	0	PIT	900026000155060	
	0111	1	349	Mountain whitefish	333	430	SCALES	0	PIT	900026000147322	
	0111	1	350	Mountain whitefish	414		SCALES	2	PIT	965000000071948	
	0111	1	351	Mountain whitefish	270	222	SCALES	0	PIT	900026000154583	
	0111	1	352	Mountain whitefish	270	266	SCALES	0	PIT	900026000154984	
	0111	1	353	Mountain whitefish	248	178	SCALES		0		
	0111	1	354	Mountain whitefish	289	242	SCALES	0	PIT	900026000154884	
	0111	1	355	Mountain whitefish	300	320	SCALES	0	PIT	900026000155340	
	0111	1	356	Mountain whitefish	281	274	SCALES	0	PIT	900026000147969	
	0111	1	357	Mountain whitefish	296	278	SCALES		0	PIT	900026000147361

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0111	1	358	Mountain whitefish	314	318	SCALES		0	PIT	900026000035525
	0111	1	359	Mountain whitefish	261	226	SCALES		0	PIT	900026000154903
	0111	1	360	Mountain whitefish	262	206	SCALES	4	0	PIT	900026000055218
	0111	1	361	Mountain whitefish	266	216	SCALES		0	PIT	900026000147133
	0111	1	362	Mountain whitefish	270	246	SCALES		0	PIT	900026000155369
	0111	1	363	Mountain whitefish	285	274	SCALES		0	PIT	900026000147433
	0111	1	364	Mountain whitefish	260	190	SCALES		0	PIT	900026000154897
	0111	1	365	Mountain whitefish	229	134	SCALES		0		
	0111	1	366	Mountain whitefish	257	240	SCALES		0	PIT	900026000147703
	0111	1	367	Mountain whitefish	272		SCALES		0	PIT	900026000052430
	0111	1	368	Mountain whitefish	297	318	SCALES		0	PIT	900026000147783
	0111	1	369	Mountain whitefish	287	312	SCALES	2	PIT	965000000282040	
	0111	1	370	Mountain whitefish	292	274	SCALES	0	PIT	900026000155024	
	0111	1	371	Mountain whitefish	314	324	SCALES	2	PIT	900026000063902	
	0111	1	372	Mountain whitefish	277	250	SCALES	0	PIT	900026000154914	
	0116	1	373	Mountain whitefish	297	324	SCALES	2	PIT	900026000154829	
	0116	1	374	Mountain whitefish	287	322	SCALES	0	PIT	900026000147420	
	0116	1	375	Mountain whitefish	329	382	SCALES	2	PIT	4D00031352	
	0116	1	376	Mountain whitefish	288	260	SCALES	2	PIT	900026000065046	
	0116	1	377	Mountain whitefish	355	476	SCALES	0	PIT	900026000155097	
	0116	1	378	Mountain whitefish	282	256	SCALES	0	PIT	900026000051367	
	0116	1	379	Mountain whitefish	299	322	SCALES	5	0	PIT	900026000154809
	0116	1	380	Mountain whitefish	268	284	SCALES	4	0	PIT	900026000154636
	0116	1	381	Mountain whitefish	325	408	SCALES	5	0	PIT	900026000155011
	0116	1	382	Mountain whitefish	358	486	SCALES	0	PIT	900026000147595	
	0116	1	383	Mountain whitefish	298	352	SCALES	0	PIT	900026000154600	
	0116	1	384	Mountain whitefish	326	356	SCALES	2	PIT	965000000247032	
	0116	1	385	Mountain whitefish	264	240	SCALES	0	PIT	900026000057534	
	0116	1	386	Mountain whitefish	309	346	SCALES	0	PIT	900026000147500	
	0116	1	387	Mountain whitefish	272	254	SCALES	0	PIT	900026000154625	
	0116	1	388	Mountain whitefish	241	168	SCALES		0		
	0116	1	389	Mountain whitefish	307	341	SCALES		0	PIT	900026000147007
	0116	1	390	Mountain whitefish	307	364	SCALES	2	PIT	900026000061803	
	0116	1	391	Mountain whitefish	288	260	SCALES	0	PIT	900026000147364	
	0116	1	392	Mountain whitefish	228	150	SCALES		0		
	0112	1	393	Rainbow trout	120	16	SCALES		0		
	0112	1	394	Mountain whitefish	300	346	SCALES	8	2	PIT	900026000155060
	0112	1	395	Mountain whitefish	423	734	SCALES		2	PIT	900026000154649
	0112	1	396	Mountain whitefish	352	464	SCALES		2	PIT	900026000155097
	0112	1	397	Mountain whitefish	315	318	SCALES	6	2	PIT	900026000155055
	0112	1	398	Mountain whitefish	275	244	SCALES		0	PIT	900026000147536
	0112	1	399	Mountain whitefish	308	314	SCALES		0	PIT	900026000053881
	0112	1	400	Mountain whitefish	276	250	SCALES		0	PIT	900026000155273
	0112	1	401	Mountain whitefish	244	168	SCALES		0		
	0112	1	402	Mountain whitefish	242	166	SCALES		0		
	0112	1	403	Mountain whitefish	337	264	SCALES		2	PIT	965000000246519
	0112	1	404	Mountain whitefish	242	164	SCALES		0		
	0112	1	405	Mountain whitefish	270	248	SCALES		0	PIT	900026000154542
	0112	1	406	Mountain whitefish	292	268	SCALES		0	PIT	900026000155114
	0112	1	407	Mountain whitefish	279	286	SCALES		2	PIT	965000000089496
	0112	1	408	Mountain whitefish	425	882	SCALES		2	PIT	900026000051436

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0112	1	409	Mountain whitefish	316	342	SCALES		2	PIT	900026000057036
	0112	1	410	Mountain whitefish	260	202	SCALES	4	2	PIT	900026000154627
	0112	1	411	Mountain whitefish	319	336	SCALES		2	PIT	965000000248196
	0112	1	412	Mountain whitefish	268	240	SCALES		0	PIT	900026000056199
	0112	1	413	Mountain whitefish	317	304	SCALES	5	0	PIT	900026000148856
	0112	1	414	Mountain whitefish	278	286	SCALES	5	2	PIT	900026000053778
	0112	1	415	Mountain whitefish	274	252	SCALES	4	2	PIT	965000000081347
	0112	1	416	Mountain whitefish	298	344	SCALES		2	PIT	900026000154600
	0112	1	417	Mountain whitefish	274	234	SCALES		0	PIT	900026000146014
	0112	1	418	Mountain whitefish	255	202	SCALES		0	PIT	900026000055680
	0112	1	419	Mountain whitefish	246	170	SCALES		0		
	0112	1	420	Arctic grayling	364	654	SCALES	4	0	PIT	900026000146030
	0112	1	421	Mountain whitefish	232	126	SCALES		0		
	0112	1	422	Mountain whitefish	290	284	SCALES		0	PIT	900026000147918
	0112	1	423	Mountain whitefish	275	230	SCALES		0	PIT	900026000056863
	0112	1	424	Mountain whitefish	260	216	SCALES		0	PIT	900026000154703
	0112	1	425	Mountain whitefish	282	250	SCALES	5	2	PIT	900026000051367
	0112	1	426	Mountain whitefish	229	156	SCALES		0		
	0112	1	427	Mountain whitefish	305	356	SCALES		2	PIT	965000000238599
	0112	1	428	Mountain whitefish	228	160	SCALES		0		
	0112	1	429	Mountain whitefish	253	178	SCALES		0	PIT	900026000146115
	0112	1	430	Rainbow trout	132	28	SCALES		0		
	0112	1	431	Mountain whitefish	263	220	SCALES		0	PIT	900026000155286
	0112	1	432	Mountain whitefish	265	224	SCALES		0	PIT	900026000147157
	0112	1	433	Mountain whitefish	291	254	SCALES	5	2	PIT	900026000154884
	0112	1	434	Mountain whitefish	300	322	SCALES		2	PIT	900026000051895
	0112	1	435	Mountain whitefish	277	242	SCALES		2	PIT	900026000052353
	0112	1	436	Mountain whitefish	247	186	SCALES	4	0		
	0112	1	437	Mountain whitefish	232	152	SCALES		0		
	0112	1	438	Mountain whitefish	251	190	SCALES		0	PIT	900026000148395
	0112	1	439	Mountain whitefish	303	270	SCALES		0	PIT	900026000148427
	0112	1	440	Rainbow trout	265	258	SCALES		0	PIT	900026000148319
	0112	1	441	Mountain whitefish	245	182	SCALES		0		
	0112	1	442	Mountain whitefish	242	176	SCALES	3	0		
	0112	1	443	Mountain whitefish	284	272	SCALES		0	PIT	900026000148148
	0112	1	444	Rainbow trout	402	722	SCALES		2	PIT	900026000034248
	0112	1	445	Bull trout	261	212	SCALES/FIN RAY	3	0	PIT	900026000155447
	0112	1	446	Mountain whitefish	316	324	SCALES		0	PIT	900026000148478
	0112	1	447	Rainbow trout	345	522	SCALES		0	PIT	900026000155371
	0114	1	448	Bull trout	345	468	FIN RAY	4	0	PIT	900026000051330
	0114	1	449	Arctic grayling	360	606	SCALES	6	2	PIT	900026000055602
	0114	1	450	Bull trout	361	586	FIN RAY	4	0	PIT	900026000148280
	0114	1	451	Rainbow trout	271	248	SCALES		0	PIT	900026000084000
	0114	1	452	Mountain whitefish	252	212	SCALES		0	PIT	900026000148209
	0114	1	453	Mountain whitefish	262	220	SCALES		2	PIT	900026000057567
	0114	1	454	Mountain whitefish	290	288	SCALES		0	PIT	900026000053595
	0114	1	455	Mountain whitefish	286	268	SCALES		0	PIT	900026000055313
	0114	1	456	Mountain whitefish	226	138	SCALES		0		
	0114	1	457	Rainbow trout	313	328	SCALES		2	PIT	900026000155355
	0114	1	458	Mountain whitefish	323	372	SCALES	5	2	PIT	965000000093577
	0114	1	459	Mountain whitefish	235	176	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0114	1	460	Mountain whitefish	286	302	SCALES		2	PIT	965000000246501
	0114	1	461	Mountain whitefish	249	192	SCALES		0		
	0114	1	462	Mountain whitefish	270	248	SCALES		0	PIT	900026000147379
	0114	1	463	Mountain whitefish	245	168	SCALES		0		
	0114	1	464	Mountain whitefish	362	460	SCALES		0	PIT	900026000055256
	0114	1	465	Mountain whitefish	276	272	SCALES	4	0	PIT	900026000147218
	0114	1	466	Mountain whitefish	230	148	SCALES		0		
	0114	1	467	Mountain whitefish	273	294	SCALES		0	PIT	900026000154998
	0114	1	468	Mountain whitefish	295	296	SCALES		0	PIT	900026000035154
	0114	1	469	Mountain whitefish	288	290	SCALES		0	PIT	900026000035314
	0114	1	470	Mountain whitefish	247	196	SCALES		0		
	0114	1	471	Mountain whitefish	303	308	SCALES		0	PIT	900026000154877
	0114	1	472	Mountain whitefish	259	210	SCALES		0	PIT	900026000155142
	0114	1	473	Mountain whitefish	428	744	SCALES		2	PIT	900026000054117
	0114	1	474	Mountain whitefish	246	202	SCALES		0		
	0114	1	475	Mountain whitefish	288	284	SCALES		2	PIT	965000000281136
	0114	1	476	Mountain whitefish	277	240	SCALES		2	PIT	965000000280947
	0114	1	477	Mountain whitefish	268	236	SCALES		0	PIT	900026000154831
	0114	1	478	Mountain whitefish	307	348	SCALES		2	PIT	900026000147500
	0114	1	479	Mountain whitefish	322	352	SCALES		0	PIT	900026000155090
	0114	1	480	Mountain whitefish	273	242	SCALES		0	PIT	900026000147531
	0114	1	481	Mountain whitefish	305	356	SCALES		0	PIT	900026000147119
	0114	1	482	Mountain whitefish	235	154	SCALES		0		
	0114	1	483	Mountain whitefish	244	208	SCALES		0		
	0114	1	484	Mountain whitefish	277	226	SCALES		0	PIT	900026000147788
	0114	1	485	Mountain whitefish	259	254	SCALES		2	PIT	900026000147703
	0104	2	1727	Mountain whitefish	250	174	SCALES		0	PIT	900026000155004
	0104	2	1728	Mountain whitefish	322	348	SCALES		0	PIT	900026000154578
	0104	2	1729	Mountain whitefish	275	274	SCALES		0	PIT	900026000083336
	0104	2	1730	Mountain whitefish	316	324	SCALES		0	PIT	900026000055900
	0104	2	1731	Mountain whitefish	314	300	SCALES		2	PIT	965000000247311
	0104	2	1732	Mountain whitefish	298	314	SCALES		2	PIT	900026000154745
	0104	2	1733	Mountain whitefish	246	168	SCALES		0		
	0104	2	1734	Mountain whitefish	282	250	SCALES		0	PIT	900026000155078
	0104	2	1735	Mountain whitefish	251	184	SCALES		0	PIT	900026000063177
	0104	2	1736	Mountain whitefish	283	290	SCALES		0	PIT	900026000154761
	0104	2	1737	Mountain whitefish	344	386	SCALES		0	PIT	900026000052395
	0104	2	1738	Mountain whitefish	328	320	SCALES		2	PIT	965000000240642
	0104	2	1739	Mountain whitefish	271	270	SCALES		0	PIT	900026000155118
	0104	2	1740	Mountain whitefish	251	186	SCALES		0	PIT	900026000147004
	0104	2	1741	Mountain whitefish	301	292	SCALES		0	PIT	900026000147225
	0104	2	1742	Mountain whitefish	306	314	SCALES		2	PIT	965000000069051
	0104	2	1743	Mountain whitefish	376	500	SCALES		2	PIT	965000000246460
	0104	2	1744	Mountain whitefish	251	222	SCALES		0	PIT	900026000155034
	0103	2	1745	Mountain whitefish	316	356	SCALES		2	PIT	965000000071193
	0103	2	1746	Mountain whitefish	295	284	SCALES		2	PIT	965000000072679
	0103	2	1747	Mountain whitefish	347	456	SCALES		2	PIT	965000000083881
	0103	2	1748	Mountain whitefish	244	176	SCALES		0		
	0103	2	1749	Rainbow trout	285	290	SCALES		2	PIT	900026000154560
	0103	2	1750	Mountain whitefish	301	292	SCALES	6	0	PIT	900026000155430
	0103	2	1751	Bull trout	406	742	FIN RAY	4	0	PIT	900026000148879

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0103	2	1752	Mountain whitefish	263	210	SCALES	4	0	PIT	900026000154764
	0103	2	1753	Mountain whitefish	263	240	SCALES		0	PIT	900026000147343
	0103	2	1754	Mountain whitefish	379	504	SCALES		2	PIT	965000000246460
	0103	2	1755	Mountain whitefish	271	238	SCALES		0	PIT	900026000053928
	0103	2	1756	Mountain whitefish	265	232	SCALES		0	PIT	900026000056075
	0103	2	1757	Mountain whitefish	258	170	SCALES		0	PIT	900026000055822
	0103	2	1758	Mountain whitefish	287	276	SCALES	6	2	PIT	900026000148320
	0103	2	1759	Mountain whitefish	326	374	SCALES		0	PIT	900026000155390
	0103	2	1760	Mountain whitefish	260	224	SCALES		0	PIT	900026000147247
	0103	2	1761	Mountain whitefish	242	162	SCALES		0		
	0103	2	1762	Mountain whitefish	271	250	SCALES		2	PIT	900026000148573
	0103	2	1763	Mountain whitefish	327	322	SCALES		2	PIT	965000000240642
	0103	2	1764	Mountain whitefish	270	236	SCALES		2	PIT	900026000061121
	0103	2	1765	Mountain whitefish	254	196	SCALES		0	PIT	900026000053946
	0103	2	1766	Mountain whitefish	296	224	SCALES		0	PIT	900026000051273
	0103	2	1767	Mountain whitefish	303	382	SCALES		0	PIT	900026000057529
	0103	2	1768	Mountain whitefish	287	312	SCALES		0	PIT	900026000147823
	0103	2	1769	Mountain whitefish	251	180	SCALES		0	PIT	900026000055746
	0103	2	1770	Mountain whitefish	250	222	SCALES		2	PIT	900026000155034
	0105	2	1771	Mountain whitefish	346	462	SCALES		0	PIT	900026000155193
	0105	2	1772	Mountain whitefish	323	372	SCALES		2	PIT	965000000110619
	0105	2	1773	Mountain whitefish	271	252	SCALES		2	PIT	900026000056446
	0105	2	1774	Mountain whitefish	276	266	SCALES	4	0	PIT	900026000055348
	0105	2	1775	Mountain whitefish	304	288	SCALES		2	PIT	965000000241778
	0105	2	1776	Mountain whitefish	282	300	SCALES		0		
	0105	2	1777	Mountain whitefish	312	360	SCALES		2	PIT	965000000085894
	0105	2	1778	Mountain whitefish	259	240	SCALES	5	0	PIT	900026000147591
	0105	2	1779	Mountain whitefish	233	128	SCALES		0		
	0105	2	1780	Mountain whitefish	307	326	SCALES		0	PIT	900026000083214
	0105	2	1781	Mountain whitefish	258	222	SCALES		0	PIT	900026000055869
	0105	2	1782	Mountain whitefish	265	232	SCALES		0	PIT	900026000060837
	0105	2	1783	Mountain whitefish	302	316	SCALES		0	PIT	900026000055599
	0105	2	1784	Mountain whitefish	243	186	SCALES		0		
	0105	2	1785	Mountain whitefish	275	256	SCALES		0	PIT	900026000154815
	0105	2	1786	Mountain whitefish	316	366	SCALES		2	PIT	965000000072278
	0105	2	1787	Mountain whitefish	308	312	SCALES		2	PIT	965000000247175
	0105	2	1788	Mountain whitefish	271	242	SCALES		2	PIT	900026000148583
	0105	2	1789	Mountain whitefish	254	216	SCALES		0	PIT	900026000154743
	0105	2	1790	Mountain whitefish	264	222	SCALES		0	PIT	900026000148292
	0105	2	1791	Mountain whitefish	311	382	SCALES		0	PIT	900026000148504
	0105	2	1792	Mountain whitefish	263	244	SCALES		0	PIT	900026000147720
	0105	2	1793	Mountain whitefish	357	462	SCALES		2	PIT	965000000240054
	0105	2	1794	Mountain whitefish	257	234	SCALES		0	PIT	900026000155129
	0105	2	1795	Mountain whitefish	260	220	SCALES		0	PIT	900026000147452
	0105	2	1796	Mountain whitefish	199	94	SCALES	2	0		
	0105	2	1797	Mountain whitefish	253	196	SCALES		0	PIT	900026000155075
	0105	2	1798	Mountain whitefish	336	368	SCALES	6	2	PIT	965000000243201
	0105	2	1799	Mountain whitefish	267	226	SCALES		0	PIT	900026000146095
	0105	2	1800	Mountain whitefish	261	214	SCALES		2	PIT	900026000055412
	0105	2	1801	Mountain whitefish	234	116	SCALES		0		
	0105	2	1802	Mountain whitefish	263	222	SCALES		0	PIT	900026000148712

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0105	2	1803	Mountain whitefish	250	230	SCALES		0	PIT	900026000147924
	0105	2	1804	Mountain whitefish	288	260	SCALES		2	PIT	965000000071874
	0105	2	1805	Mountain whitefish	236	172	SCALES		0		
	0105	2	1806	Mountain whitefish	307	298	SCALES	5	0	PIT	900026000147064
	0105	2	1807	Mountain whitefish	296	324	SCALES		0	PIT	900026000154975
	0105	2	1808	Mountain whitefish	263	238	SCALES		0	PIT	900026000154775
	0105	2	1809	Rainbow trout	305	318	SCALES		0	PIT	900026000147044
	0101	2	1810	Mountain whitefish	347	460	SCALES	8	0	PIT	900026000148891
	0101	2	1811	Mountain whitefish	267	258	SCALES		0	PIT	900026000147026
	0101	2	1812	Mountain whitefish	343	482	SCALES		0	PIT	900026000148054
	0101	2	1813	Mountain whitefish	345	422	SCALES		2	PIT	965000000281979
	0101	2	1814	Mountain whitefish	276	248	SCALES		0	PIT	900026000148985
	0101	2	1815	Mountain whitefish	360	482	SCALES		2	PIT	4D00044225
	0101	2	1816	Mountain whitefish	271	242	SCALES		0	PIT	900026000083228
	0101	2	1817	Mountain whitefish	286	272	SCALES		0	PIT	900026000155195
	0101	2	1818	Mountain whitefish	255	196	SCALES		0	PIT	900026000148503
	0101	2	1819	Mountain whitefish	308	356	SCALES		2	PIT	900026000147150
	0101	2	1820	Mountain whitefish	298	326	SCALES		2	PIT	965000000281772
	0101	2	1821	Mountain whitefish	283	262	SCALES		2	PIT	900026000155162
	0101	2	1822	Mountain whitefish	256	220	SCALES		0	PIT	900026000147628
	0101	2	1823	Mountain whitefish	305	318	SCALES		2	PIT	900026000148816
	0101	2	1824	Mountain whitefish	292	314	SCALES		0	PIT	900026000147865
	0101	2	1825	Mountain whitefish	274	262	SCALES		0	PIT	900026000148986
	0101	2	1826	Mountain whitefish	275	258	SCALES		0	PIT	900026000147602
	0101	2	1827	Mountain whitefish	272	274	SCALES		0	PIT	900026000034859
	0101	2	1828	Mountain whitefish	282	260	SCALES		2	PIT	965000000072617
	0101	2	1829	Mountain whitefish	290	270	SCALES		2	PIT	900026000054912
	0101	2	1830	Mountain whitefish	343	438	SCALES		2	FLOY	8041 YELLOW
	0101	2	1831	Mountain whitefish	297	274	SCALES		0	PIT	900026000155225
	0101	2	1832	Mountain whitefish	282	260	SCALES		2	PIT	900026000060568
	0101	2	1833	Mountain whitefish	296	298	SCALES		0	PIT	900026000155378
	0101	2	1834	Mountain whitefish	259	206	SCALES		0	PIT	900026000147389
	0101	2	1835	Mountain whitefish	285	278	SCALES		0	PIT	900026000155049
	0101	2	1836	Mountain whitefish	342	348	SCALES		2	PIT	965000000072496
	0101	2	1837	Mountain whitefish	259	240	SCALES		0	PIT	900026000147906
	0101	2	1838	Mountain whitefish	265	220	SCALES		0	PIT	900026000147873
	0101	2	1839	Mountain whitefish	310	328	SCALES	6	2	PIT	900026000154516
	0101	2	1840	Mountain whitefish	283	282	SCALES		0	PIT	900026000148125
	0101	2	1841	Mountain whitefish	260	222	SCALES		0	PIT	900026000148606
	0101	2	1842	Mountain whitefish	284	294	SCALES		0	PIT	900026000083789
	0101	2	1843	Mountain whitefish	288	304	SCALES		0	PIT	900026000148177
	0101	2	1844	Mountain whitefish	274	282	SCALES		0	PIT	900026000155208
	0101	2	1845	Mountain whitefish	301	286	SCALES		2	PIT	900026000052002
	0101	2	1846	Mountain whitefish	282	258	SCALES		2	PIT	900026000155087
	0101	2	1847	Mountain whitefish	268	240	SCALES		0	PIT	900026000083913
	0101	2	1848	Mountain whitefish	277	240	SCALES		0	PIT	900026000148569
	0101	2	1849	Mountain whitefish	320	364	SCALES		2	PIT	900026000055782
	0101	2	1850	Mountain whitefish	330	352	SCALES		0	PIT	900026000055191
	0101	2	1851	Mountain whitefish	300	302	SCALES		0	PIT	900026000147348
	0101	2	1852	Mountain whitefish	316	328	SCALES		0	PIT	900026000146085
	0101	2	1853	Mountain whitefish	311	406	SCALES		0	PIT	900026000155283

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0101	2	1854	Mountain whitefish	279	254	SCALES		0	PIT	900026000148887
	0101	2	1855	Mountain whitefish	291	266	SCALES		0	PIT	900026000147185
	0101	2	1856	Mountain whitefish	351	490	SCALES		0	PIT	900026000155341
	0101	2	1857	Mountain whitefish	265	236	SCALES		0	PIT	900026000155277
	0101	2	1858	Mountain whitefish	312	364	SCALES		2	PIT	965000000089377
	0101	2	1859	Mountain whitefish	245	162	SCALES		0		
	0101	2	1860	Mountain whitefish	269	222	SCALES		0	PIT	900026000155373
	0101	2	1861	Mountain whitefish	292	302	SCALES		0	PIT	900026000148254
	0101	2	1862	Mountain whitefish	230	154	SCALES		0		
	0101	2	1863	Mountain whitefish	328	418	SCALES		0	PIT	900026000083209
	0101	2	1864	Mountain whitefish	383	572	SCALES		0	PIT	900026000155458
	0101	2	1865	Mountain whitefish	276	270	SCALES		0	PIT	900026000083912
	0101	2	1866	Mountain whitefish	267	232	SCALES		2	PIT	900026000154954
	0101	2	1867	Mountain whitefish	285	286	SCALES		0	PIT	900026000155292
	0101	2	1868	Mountain whitefish	260	202	SCALES		0	PIT	900026000033525
	0101	2	1869	Mountain whitefish	305	338	SCALES		0	PIT	900026000154969
	0101	2	1870	Mountain whitefish	349	424	SCALES		2	PIT	965000000242877
	0101	2	1871	Mountain whitefish	361	608	SCALES		0	PIT	965000000246205
	0101	2	1872	Mountain whitefish	324	374	SCALES		0	PIT	900026000155205
	0101	2	1873	Mountain whitefish	283	270	SCALES		0	PIT	900026000052329
	0101	2	1874	Mountain whitefish	282	296	SCALES		0	PIT	900026000154983
	0101	2	1875	Mountain whitefish	263	210	SCALES		0	PIT	900026000147670
	0101	2	1876	Mountain whitefish	290	272	SCALES		0	PIT	900026000056299
	0101	2	1877	Mountain whitefish	364	502	SCALES		0	PIT	900026000051618
	0101	2	1878	Mountain whitefish	286	294	SCALES		0	PIT	900026000155425
	0101	2	1879	Mountain whitefish	280	274	SCALES	4	2	PIT	900026000055212
	0101	2	1880	Mountain whitefish	300	302	SCALES		2	PIT	965000000079877
	0101	2	1881	Mountain whitefish	290	290	SCALES		0	PIT	900026000083202
	0101	2	1882	Mountain whitefish	282	280	SCALES		0	PIT	900026000154714
	0101	2	1883	Mountain whitefish	307	308	SCALES	6	0	PIT	900026000147981
	0101	2	1884	Mountain whitefish	321	364	SCALES	5	2	PIT	965000000109959
	0101	2	1885	Mountain whitefish	273	248	SCALES		0	PIT	900026000084070
	0101	2	1886	Mountain whitefish	303	338	SCALES	4	0	PIT	900026000147656
	0101	2	1887	Mountain whitefish	281	310	SCALES		0	PIT	900026000052514
	0101	2	1888	Mountain whitefish	281	254	SCALES		0	PIT	900026000154776
	0101	2	1889	Mountain whitefish	309	348	SCALES		0	PIT	900026000155487
	0101	2	1890	Mountain whitefish	283	272	SCALES		0	PIT	900026000155358
	0101	2	1891	Mountain whitefish	299	292	SCALES		0	PIT	900026000155376
	0101	2	1892	Mountain whitefish	320	386	SCALES		0	PIT	900026000052167
	0101	2	1893	Mountain whitefish	277	250	SCALES		0	PIT	900026000147005
	0101	2	1894	Mountain whitefish	350	416	SCALES	7	0	PIT	900026000147445
	0101	2	1895	Mountain whitefish	291	310	SCALES		0	PIT	900026000147842
	0101	2	1896	Mountain whitefish	301	328	SCALES		0	PIT	900026000083163
	0101	2	1897	Mountain whitefish	280	264	SCALES		0	PIT	900026000147223
	0101	2	1898	Mountain whitefish	281	270	SCALES		0	PIT	900026000147407
	0101	2	1899	Mountain whitefish	293	310	SCALES		0	PIT	900026000154949
	0101	2	1900	Mountain whitefish	300	300	SCALES		0	PIT	900026000154535
	0101	2	1901	Mountain whitefish	280	240	SCALES		0	PIT	900026000154601
	0101	2	1902	Mountain whitefish	296	316	SCALES		0	PIT	900026000147938
	0101	2	1903	Mountain whitefish	300	254	SCALES		0	PIT	900026000155182
	0101	2	1904	Mountain whitefish	318	338	SCALES	5	0	PIT	900026000154854

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
0101	2	1905	Mountain whitefish	317	428	SCALES/OTOLITH		1			
0101	2	1906	Mountain whitefish	260	218	SCALES/OTOLITH		1			
0105	2	1907	Mountain whitefish	258	228	SCALES/OTOLITH		1			
0102	2	1908	Mountain whitefish	318	400	SCALES		2	PIT	96500000090594	
0102	2	1909	Mountain whitefish	313	412	SCALES		0	PIT	900026000154777	
0102	2	1910	Mountain whitefish	260	242	SCALES		0	PIT	900026000148284	
0102	2	1911	Mountain whitefish	348	426	SCALES		0	PIT	900026000056256	
0102	2	1912	Mountain whitefish	345	416	SCALES		2	PIT	0A00747651	
0102	2	1913	Mountain whitefish	285	318	SCALES		0	PIT	900026000148388	
0102	2	1914	Mountain whitefish	358	468	SCALES		0	PIT	900026000154612	
0102	2	1915	Mountain whitefish	266	238	SCALES		0	PIT	900026000056777	
0102	2	1916	Mountain whitefish	256	234	SCALES		0	PIT	900026000154874	
0102	2	1917	Mountain whitefish	305	330	SCALES		0	PIT	900026000147916	
0102	2	1918	Mountain whitefish	309	362	SCALES		0	PIT	900026000054088	
0102	2	1919	Mountain whitefish	280	282	SCALES		0	PIT	900026000148666	
0102	2	1920	Mountain whitefish	263	240	SCALES		0	PIT	900026000155019	
0102	2	1921	Mountain whitefish	288	318	SCALES		2	PIT	900026000061987	
0102	2	1922	Mountain whitefish	240	160	SCALES	3	0			
0102	2	1923	Mountain whitefish	296	366	SCALES		2	PIT	900026000035234	
0102	2	1924	Mountain whitefish	272	230	SCALES		0	PIT	900026000148620	
0102	2	1925	Mountain whitefish	335	440	SCALES		5	PIT	900026000147127	
0102	2	1926	Mountain whitefish	330	442	SCALES	7	0	PIT	900026000147618	
0102	2	1927	Mountain whitefish	314	386	SCALES		0	PIT	900026000147545	
0102	2	1928	Mountain whitefish	363	436	SCALES		0	PIT	900026000154633	
0102	2	1929	Mountain whitefish	320	370	SCALES		0	PIT	900026000155213	
0102	2	1930	Mountain whitefish	248	206	SCALES		0			
0102	2	1931	Mountain whitefish	238	168	SCALES		0			
0102	2	1932	Mountain whitefish	265	242	SCALES		0	PIT	900026000053960	
0102	2	1933	Mountain whitefish	253	206	SCALES		0	PIT	900026000155408	
0102	2	1934	Mountain whitefish	282	294	SCALES		0	PIT	900026000148344	
0102	2	1935	Mountain whitefish	286	280	SCALES		0	PIT	900026000064472	
0102	2	1936	Mountain whitefish	292	308	SCALES		2	PIT	900026000051740	
0102	2	1937	Mountain whitefish	278	274	SCALES		2	PIT	900026000055223	
0102	2	1938	Mountain whitefish	277	280	SCALES		0	PIT	900026000051454	
0102	2	1939	Mountain whitefish	307	318	SCALES		0	PIT	900026000053833	
0102	2	1940	Mountain whitefish	273	280	SCALES		0	PIT	900026000084032	
0102	2	1941	Mountain whitefish	344	484	SCALES	7	0	PIT	900026000148087	
0102	2	1942	Mountain whitefish	302	282	SCALES		0	PIT	900026000154996	
0102	2	1943	Mountain whitefish	265	270	SCALES		0	PIT	900026000146101	
0102	2	1944	Mountain whitefish	335	408	SCALES		0	PIT	900026000154498	
0102	2	1945	Mountain whitefish	312	360	SCALES		2	PIT	900026000057578	
0102	2	1946	Mountain whitefish	254	218	SCALES		0	PIT	900026000055512	
0102	2	1947	Mountain whitefish	338	424	SCALES		0	PIT	900026000147302	
0102	2	1948	Mountain whitefish	268	244	SCALES		0	PIT	900026000155020	
0102	2	1949	Mountain whitefish	288	326	SCALES		0	PIT	900026000147304	
0102	2	1950	Mountain whitefish	275	276	SCALES		0	PIT	900026000155344	
0102	2	1951	Mountain whitefish	350	444	SCALES		2	PIT	965000000247079	
0102	2	1952	Mountain whitefish	301	344	SCALES		0	PIT	900026000147461	
0102	2	1953	Mountain whitefish	310	350	SCALES		0	PIT	900026000148268	
0102	2	1954	Mountain whitefish	293	290	SCALES		2	PIT	900026000083309	
0102	2	1955	Mountain whitefish	331	476	SCALES		0	PIT	900026000155312	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0102	2	1956	Mountain whitefish	355	500	SCALES		0	PIT	900026000155166
	0102	2	1957	Mountain whitefish	299	314	SCALES		0	PIT	900026000083805
	0102	2	1958	Mountain whitefish	266	248	SCALES		0	PIT	900026000055908
	0102	2	1959	Mountain whitefish	280	258	SCALES		0	PIT	900026000147764
	0102	2	1960	Mountain whitefish	354	452	SCALES		0	PIT	900026000154654
	0102	2	1961	Mountain whitefish	248	192	SCALES		0		
	0102	2	1962	Mountain whitefish	309	328	SCALES		2	PIT	900026000148872
	0102	2	1963	Mountain whitefish	250	200	SCALES		0	PIT	900026000146093
	0102	2	1964	Mountain whitefish	272	278	SCALES	4	0	PIT	900026000147962
	0102	2	1965	Mountain whitefish	330	372	SCALES		0	PIT	900026000148586
	0102	2	1966	Mountain whitefish	325	378	SCALES		0	PIT	900026000154587
	0102	2	1967	Mountain whitefish	263	242	SCALES		0	PIT	900026000147889
	0102	2	1968	Mountain whitefish	283	322	SCALES		0	PIT	900026000154883
	0102	2	1969	Mountain whitefish	313	360	SCALES		0	PIT	900026000148488
	0102	2	1970	Mountain whitefish	288	286	SCALES		0	PIT	900026000147158
	0102	2	1971	Mountain whitefish	337	426	SCALES		2	PIT	965000000239286
	0102	2	1972	Mountain whitefish	274	270	SCALES	5	0	PIT	900026000147673
	0102	2	1973	Mountain whitefish	283	268	SCALES		2	PIT	900026000053963
	0102	2	1974	Mountain whitefish	254	206	SCALES		0	PIT	900026000147965
	0102	2	1975	Mountain whitefish	248	186	SCALES		0		
	0102	2	1976	Mountain whitefish	265	204	SCALES		0	PIT	900026000155141
	0102	2	1977	Mountain whitefish	287	266	SCALES	3	0	PIT	900026000148908
	0102	2	1978	Mountain whitefish	258	214	SCALES	4	0	PIT	900026000155459
	0102	2	1979	Mountain whitefish	277	254	SCALES		0	PIT	900026000147601
	0102	2	1980	Mountain whitefish	262	224	SCALES		0	PIT	900026000147861
	0102	2	1981	Mountain whitefish	270	288	SCALES		0	PIT	900026000146136
	0102	2	1982	Mountain whitefish	306	360	SCALES		2	PIT	900026000053973
	0102	2	1983	Mountain whitefish	275	250	SCALES		0	PIT	900026000056417
	0102	2	1984	Mountain whitefish	263	220	SCALES		0	PIT	900026000051724
	0102	2	1985	Mountain whitefish	278	258	SCALES		2	PIT	900026000055628
	0102	2	1986	Mountain whitefish	265		SCALES		0	PIT	900026000154907
	0102	2	1987	Mountain whitefish	267	226	SCALES		0	PIT	900026000154616
	0102	2	1988	Mountain whitefish	252	214	SCALES		0	PIT	900026000055315
	0102	2	1989	Mountain whitefish	255	216	SCALES	4	0	PIT	900026000154945
	0102	2	1990	Mountain whitefish	275	262	SCALES	4	0	PIT	900026000148384
	0102	2	1991	Mountain whitefish	295	288	SCALES		0	PIT	900026000155048
	0102	2	1992	Mountain whitefish	276	282	SCALES/OTOLITH	4	1		
	0102	2	1993	Mountain whitefish	262	258	SCALES/OTOLITH		1		
	0119	2	1994	Mountain whitefish	270	248	SCALES		0		
	0119	2	1995	Mountain whitefish	288	280	SCALES	5	0	PIT	900026000155108
	0119	2	1996	Mountain whitefish	270	224	SCALES		0	PIT	900026000148512
	0119	2	1997	Mountain whitefish	268	256	SCALES		0	PIT	900026000155470
	0119	2	1998	Mountain whitefish	292	300	SCALES		0	PIT	900026000147801
	0119	2	1999	Mountain whitefish	277	256	SCALES		2	PIT	900026000052137
	0119	2	2000	Mountain whitefish	265	232	SCALES		0	PIT	900026000147932
	0119	2	2001	Mountain whitefish	323	326	SCALES		0	PIT	900026000148683
	0119	2	2002	Mountain whitefish	300	330	SCALES		2	PIT	900026000154635
	0119	2	2003	Mountain whitefish	299	304	SCALES		2	PIT	900026000056151
	0119	2	2004	Mountain whitefish	270	220	SCALES		0	PIT	900026000147566
	0119	2	2005	Mountain whitefish	299	326	SCALES		0	PIT	900026000155364
	0119	2	2006	Mountain whitefish	304	336	SCALES		0	PIT	900026000154993

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0119	2	2007	Mountain whitefish	305	338	SCALES		0	PIT	900026000155464
	0119	2	2008	Mountain whitefish	258	232	SCALES		0	PIT	900026000147114
	0119	2	2009	Mountain whitefish	390	522	SCALES		0	PIT	900026000154942
	0119	2	2010	Mountain whitefish	341	428	SCALES/OTOLITH		1		
	0119	2	2011	Mountain whitefish	282	266	SCALES/OTOLITH		1		
	0107	2	2012	Mountain whitefish	299	342	SCALES		0	PIT	900026000148432
	0107	2	2013	Mountain whitefish	295	316	SCALES	6	0	PIT	900026000154566
	0107	2	2014	Mountain whitefish	313	400	SCALES		0	PIT	900026000055319
	0107	2	2015	Rainbow trout	202	100	SCALES		0		
	0107	2	2016	Mountain whitefish	297	340	SCALES	5	0	PIT	900026000148544
	0107	2	2017	Mountain whitefish	320	372	SCALES	5	0	PIT	900026000154990
	0107	2	2018	Rainbow trout	287	314	SCALES		0	PIT	900026000146177
	0110	2	2019	Mountain whitefish	343	433	SCALES		0	PIT	900026000155086
	0110	2	2020	Mountain whitefish	298	262	SCALES		2	PIT	900026000061742
	0110	2	2021	Mountain whitefish	286	236	SCALES		0	PIT	900026000155009
	0110	2	2022	Mountain whitefish	297	308	SCALES		2	PIT	965000000093058
	0110	2	2023	Mountain whitefish	318	340	SCALES		2	PIT	965000000084265
	0110	2	2024	Mountain whitefish	241	152	SCALES	3	0		
	0110	2	2025	Mountain whitefish	306	338	SCALES		0	PIT	900026000147691
	0110	2	2026	Mountain whitefish	280	270	SCALES		2	PIT	900026000147066
	0110	2	2027	Mountain whitefish	254	218	SCALES		0	PIT	900026000155310
	0110	2	2028	Mountain whitefish	280	280	SCALES		2	PIT	965000000281983
	0110	2	2029	Mountain whitefish	280	296	SCALES		0	PIT	900026000147933
	0110	2	2030	Mountain whitefish	282	282	SCALES		2	PIT	900026000148121
	0110	2	2031	Mountain whitefish	251	210	SCALES		0	PIT	900026000155219
	0110	2	2032	Mountain whitefish	322	386	SCALES		2	FLOY	442 YELLOW
	0110	2	2033	Mountain whitefish	279	238	SCALES		0	PIT	900026000154711
	0110	2	2034	Mountain whitefish	254	222	SCALES/OTOLITH		1		
	0111	2	2035	Mountain whitefish	258	220	SCALES		0	PIT	900026000055446
	0111	2	2036	Mountain whitefish	333	448	SCALES		0	PIT	900026000084093
	0111	2	2037	Mountain whitefish	257	198	SCALES		0	PIT	900026000146043
	0111	2	2038	Mountain whitefish	327	422	SCALES		2	PIT	900026000065413
	0111	2	2039	Mountain whitefish	288	270	SCALES		0	PIT	900026000147073
	0111	2	2040	Mountain whitefish	287	310	SCALES		0	PIT	900026000147930
	0111	2	2041	Mountain whitefish	351	484	SCALES		0	PIT	900026000052223
	0111	2	2042	Mountain whitefish	278	276	SCALES		0	PIT	900026000148845
	0111	2	2043	Mountain whitefish	316	328	SCALES		2	PIT	900026000063902
	0111	2	2044	Mountain whitefish	256	188	SCALES		0	PIT	900026000154808
	0111	2	2045	Mountain whitefish	287	328	SCALES		0	PIT	900026000053454
	0111	2	2046	Mountain whitefish	294	264	SCALES		2	PIT	900026000147286
	0111	2	2047	Mountain whitefish	284	278	SCALES		0	PIT	900026000148819
	0111	2	2048	Mountain whitefish	281	270	SCALES		0	PIT	900026000155136
	0108	2	2049	Mountain whitefish	312	328	SCALES		0	PIT	900026000154920
	0108	2	2050	Mountain whitefish	355	512	SCALES		0	PIT	900026000154590
	0108	2	2051	Mountain whitefish	285	266	SCALES		0	PIT	900026000055545
	0108	2	2052	Mountain whitefish	338	380	SCALES		0	PIT	900026000148252
	0109	2	2053	Mountain whitefish	308	314	SCALES		0	PIT	900026000053859
	0109	2	2054	Mountain whitefish	248	168	SCALES		0		
	0109	2	2055	Mountain whitefish	322	364	SCALES		0	PIT	900026000154595
	0109	2	2056	Mountain whitefish	283	268	SCALES		0	PIT	900026000147345
	0109	2	2057	Mountain whitefish	271	270	SCALES	4	0	PIT	900026000155241

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0109	2	2058	Mountain whitefish	262	244	SCALES		0	PIT	900026000148244
	0109	2	2059	Mountain whitefish	305	292	SCALES		0	PIT	900026000155342
	0109	2	2060	Mountain whitefish	306	292	SCALES		0	PIT	900026000148396
	0109	2	2061	Mountain whitefish	226	132	SCALES		0		
	0109	2	2062	Mountain whitefish	294	328	SCALES		0	PIT	900026000148286
	0109	2	2063	Mountain whitefish	302	326	SCALES		0	PIT	900026000155274
	0109	2	2064	Mountain whitefish	287	306	SCALES		0	PIT	900026000147081
	0109	2	2065	Mountain whitefish	305	344	SCALES	2	PIT	965000000248242	
	0109	2	2066	Mountain whitefish	270	254	SCALES		0	PIT	900026000055272
	0109	2	2067	Mountain whitefish	266	264	SCALES	2	PIT	900026000148290	
	0109	2	2068	Mountain whitefish	296	330	SCALES		0	PIT	900026000147334
	0109	2	2069	Mountain whitefish	366	554	SCALES		0	PIT	900026000154647
	0109	2	2070	Mountain whitefish	313	368	SCALES		0	PIT	900026000147513
	0109	2	2071	Mountain whitefish	230	144	SCALES		0		
	0109	2	2072	Mountain whitefish	350	458	SCALES	2	PIT	0A00707939	
	0109	2	2073	Mountain whitefish	263	212	SCALES		0	PIT	900026000083271
	0109	2	2074	Mountain whitefish	307	342	SCALES	2	PIT	965000000086660	
	0109	2	2075	Mountain whitefish	283	292	SCALES		0	PIT	900026000154575
	0109	2	2076	Mountain whitefish	239	158	SCALES		0		
	0109	2	2077	Mountain whitefish	280	256	SCALES	2	PIT	900026000052137	
	0109	2	2078	Mountain whitefish	250	178	SCALES		0	PIT	900026000056950
	0109	2	2079	Mountain whitefish	296	216	SCALES		0	PIT	900026000060810
	0109	2	2080	Mountain whitefish	285	298	SCALES		0	PIT	900026000146276
	0109	2	2081	Mountain whitefish	310	370	SCALES		0	PIT	900026000146195
	0109	2	2082	Mountain whitefish	327	352	SCALES		0	PIT	900026000148549
	0109	2	2083	Mountain whitefish	295	282	SCALES		0	PIT	900026000083369
	0109	2	2084	Mountain whitefish	282	274	SCALES		0	PIT	900026000147757
	0109	2	2085	Mountain whitefish	308	328	SCALES		0	PIT	900026000053233
	0109	2	2086	Mountain whitefish	271	236	SCALES		0	PIT	900026000154830
	0109	2	2087	Mountain whitefish	244	172	SCALES	3	0		
	0109	2	2088	Mountain whitefish	296	315	SCALES		0	PIT	900026000154685
	0109	2	2089	Mountain whitefish	307	336	SCALES		0	PIT	900026000148588
	0113	2	2090	Mountain whitefish	253	214	SCALES		0		
	0113	2	2091	Mountain whitefish	272	250	SCALES		2	PIT	900026000052434
	0113	2	2092	Mountain whitefish	267	262	SCALES		0	PIT	900026000155488
	0113	2	2093	Mountain whitefish	278	244	SCALES		2	PIT	900026000083219
	0113	2	2094	Mountain whitefish	262	222	SCALES		0	PIT	900026000155314
	0113	2	2095	Mountain whitefish	335	394	SCALES		2	PIT	965000000280908
	0113	2	2096	Mountain whitefish	297	284	SCALES		2	PIT	965000000093030
	0113	2	2097	Mountain whitefish	297	264	SCALES		0	PIT	900026000051345
	0113	2	2098	Mountain whitefish	273	234	SCALES		2	PIT	900026000083563
	0113	2	2099	Mountain whitefish	286	288	SCALES		2	PIT	900026000035183
	0113	2	2100	Mountain whitefish	344	414	SCALES		2	PIT	900026000056032
	0113	2	2101	Mountain whitefish	300	314	SCALES	5	2	PIT	900026000083920
	0113	2	2102	Mountain whitefish	362	484	SCALES	9	0	PIT	900026000147814
	0113	2	2103	Mountain whitefish	325	386	SCALES		0	PIT	900026000155139
	0113	2	2104	Mountain whitefish	290	310	SCALES	5	0	PIT	900026000155337
	0113	2	2105	Mountain whitefish	276	240	SCALES		0	PIT	900026000146242
	0113	2	2106	Mountain whitefish	237	150	SCALES		0		
	0113	2	2107	Mountain whitefish	353	468	SCALES		2	PIT	965000000281441
	0113	2	2108	Mountain whitefish	265	264	SCALES		0	PIT	900026000147029

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Tag		
									Type	Number	Colour
1											
	0113	2	2109	Mountain whitefish	285	242	SCALES		0	PIT	900026000154521
	0113	2	2110	Mountain whitefish	283	248	SCALES		0	PIT	900026000147903
	0112	2	2111	Bull trout	860	6420	FIN RAY	8	0	PIT	900026000083569
	0112	2	2112	Mountain whitefish	312	328	SCALES	6	0	PIT	900026000155194
	0112	2	2113	Mountain whitefish	251	192	SCALES		0	PIT	900026000147795
	0112	2	2114	Mountain whitefish	257	244	SCALES		0	PIT	900026000055142
	0112	2	2115	Mountain whitefish	293	308	SCALES	5	2	PIT	900026000061207
	0112	2	2116	Mountain whitefish	280	300	SCALES		0	PIT	900026000148811
	0112	2	2117	Mountain whitefish	277	260	SCALES		0	PIT	900026000147430
	0112	2	2118	Mountain whitefish	247	196	SCALES		0		
	0112	2	2119	Mountain whitefish	242	160	SCALES		0		
	0112	2	2120	Mountain whitefish	293	322	SCALES		2	PIT	965000000079632
	0112	2	2121	Mountain whitefish	323	300	SCALES		0	PIT	900026000147957
	0112	2	2122	Mountain whitefish	256	202	SCALES		0	PIT	900026000083974
	0112	2	2123	Mountain whitefish	289	278	SCALES		0	PIT	900026000148561
	0112	2	2124	Mountain whitefish	236	182	SCALES		0		
	0112	2	2125	Mountain whitefish	360	494	SCALES		2	PIT	900026000147814
	0112	2	2126	Mountain whitefish	319	386	SCALES		2	PIT	900026000055744
	0112	2	2127	Mountain whitefish	262	258	SCALES		0	PIT	900026000148207
	0112	2	2128	Mountain whitefish	279	274	SCALES		0	PIT	900026000155351
	0112	2	2129	Mountain whitefish	276	240	SCALES		2	PIT	900026000146242
	0112	2	2130	Mountain whitefish	266	240	SCALES		0	PIT	900026000052302
	0112	2	2131	Mountain whitefish	323	350	SCALES		0	PIT	900026000083852
	0112	2	2132	Bull trout	188	60	SCALES	2	0		
	0112	2	2133	Bull trout	171	48	SCALES	2	0		
	0116	2	2134	Mountain whitefish	404	626	SCALES		0	PIT	900026000154558
	0116	2	2135	Mountain whitefish	303	348	SCALES		2	PIT	965000000246657
	0116	2	2136	Mountain whitefish	271	238	SCALES		2	PIT	900026000053989
	0116	2	2137	Mountain whitefish	285	294	SCALES		0	PIT	900026000051742
	0116	2	2138	Mountain whitefish	342	420	SCALES		0	PIT	900026000148722
	0116	2	2139	Mountain whitefish	322	360	SCALES		0	PIT	900026000052403
	0116	2	2140	Mountain whitefish	275	226	SCALES		0	PIT	900026000146192
	0116	2	2141	Mountain whitefish	283	264	SCALES	4	0	PIT	900026000146024
	0116	2	2142	Mountain whitefish	301	332	SCALES		0	PIT	900026000148256
	0116	2	2143	Mountain whitefish	333	396	SCALES		0	PIT	900026000155380
	0116	2	2144	Mountain whitefish	284	328	SCALES		0	PIT	900026000147868
	0114	2	2145	Mountain whitefish	300	322	SCALES		0		
	0114	2	2146	Mountain whitefish	274	260	SCALES		0	PIT	900026000155411
	0114	2	2147	Mountain whitefish	304	304	SCALES	6	2	PIT	965000000247959
	0114	2	2148	Mountain whitefish	298	316	SCALES		0	PIT	900026000148003
	0114	2	2149	Mountain whitefish	256	228	SCALES		0	PIT	900026000154513
	0114	2	2150	Mountain whitefish	245	176	SCALES		0		
	0114	2	2151	Mountain whitefish	289	280	SCALES		0	PIT	900026000147153
	0114	2	2152	Mountain whitefish	305	362	SCALES		0	PIT	900026000147191
	0114	2	2153	Mountain whitefish	342	364	SCALES		0	PIT	900026000148369
	0114	2	2154	Mountain whitefish	292	294	SCALES		0	PIT	900026000155167
	0114	2	2155	Mountain whitefish	334	448	SCALES		2	PIT	4D00021023
	0114	2	2156	Mountain whitefish	267	242	SCALES	4	0	PIT	900026000147198
	0114	2	2157	Mountain whitefish	242	160	SCALES		0		
	0114	2	2158	Mountain whitefish	260	200	SCALES		0	PIT	900026000147017
	0114	2	2159	Mountain whitefish	317	356	SCALES		2	PIT	4D00034056

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag		
										Number	Colour	
1												
	0114	2	2160	Mountain whitefish	304	332	SCALES		2	PIT	965000000069591	
	0114	2	2161	Mountain whitefish	300	302	SCALES		0	PIT	900026000155346	
	0114	2	2162	Mountain whitefish	298	282	SCALES		0	PIT	900026000056064	
	0114	2	2163	Rainbow trout	273	300	SCALES		0	PIT	900026000055447	
	0107	3	3031	Mountain whitefish	315	300	SCALES		2	FLOY	16432	WHITE
	0108	3	3032	Mountain whitefish	332	374	SCALES		2	FLOY	14250	WHITE
	0108	3	3033	Mountain whitefish	321	310	SCALES		2	PIT	900026000148856	
	0108	3	3034	Mountain whitefish	302	302	SCALES		0	PIT	900026000147234	
	0108	3	3035	Mountain whitefish	296	324	SCALES		0	PIT	900026000155434	
	0108	3	3036	Mountain whitefish	252	194	SCALES		0	PIT	900026000052517	
	0108	3	3037	Mountain whitefish	427	736	SCALES		0	PIT	900026000051759	
	0108	3	3038	Mountain whitefish	367	394	SCALES		0	PIT	900026000146249	
	0108	3	3039	Mountain whitefish	339	380	SCALES		0			
	0108	3	3040	Mountain whitefish	265	248	SCALES		0	PIT	900026000148411	
	0108	3	3041	Mountain whitefish	276	264	SCALES		0	PIT	900026000148457	
	0108	3	3042	Mountain whitefish	228	122	SCALES		0			
	0110	3	3043	Mountain whitefish	302	322	SCALES		0	PIT	900026000147156	
	0110	3	3044	Mountain whitefish	297	316	SCALES		0	PIT	900026000154785	
	0110	3	3045	Mountain whitefish	328	384	SCALES		0	PIT	900026000154508	
	0110	3	3046	Mountain whitefish	303	322	SCALES		0	PIT	900026000148182	
	0110	3	3047	Mountain whitefish	358	388	SCALES		0	PIT	900026000147586	
	0110	3	3048	Mountain whitefish	262	186	SCALES	4	0	PIT	900026000054092	
	0110	3	3049	Mountain whitefish	305	308	SCALES		0	PIT	900026000056193	
	0110	3	3050	Mountain whitefish	298	304	SCALES		0	PIT	900026000146183	
	0110	3	3051	Mountain whitefish	243	152	SCALES		0			
	0110	3	3052	Mountain whitefish	331	348	SCALES		0	PIT	900026000146080	
	0110	3	3053	Mountain whitefish	307	280	SCALES		0	PIT	900026000084074	
	0110	3	3054	Mountain whitefish	302	304	SCALES		0	PIT	900026000053968	
	0110	3	3055	Mountain whitefish	271	222	SCALES		0	PIT	900026000148322	
	0110	3	3056	Mountain whitefish	243	174	SCALES		0			
	0110	3	3057	Mountain whitefish	314	328	SCALES		0	PIT	900026000148791	
	0110	3	3058	Mountain whitefish	243	154	SCALES		0			
	0111	3	3059	Mountain whitefish	327	440	SCALES		2	PIT	900026000147322	
	0111	3	3060	Mountain whitefish	319	324	SCALES		2	PIT	965000000084712	
	0111	3	3061	Mountain whitefish	269	238	SCALES		0	PIT	900026000147349	
	0111	3	3062	Mountain whitefish	266	236	SCALES		0	PIT	900026000055612	
	0111	3	3063	Mountain whitefish	287	270	SCALES		0	PIT	900026000052109	
	0111	3	3064	Mountain whitefish	279	270	SCALES		0	PIT	900026000147144	
	0111	3	3065	Mountain whitefish	250	182	SCALES		0	PIT	900026000055750	
	0113	3	3066	Mountain whitefish	281	242	SCALES	4	0	PIT	900026000147091	
	0113	3	3067	Mountain whitefish	306	352	SCALES		0	PIT	900026000147479	
	0113	3	3068	Mountain whitefish	272	248	SCALES		0	PIT	900026000147796	
	0113	3	3069	Mountain whitefish	264	236	SCALES		0	PIT	900026000147226	
	0113	3	3070	Mountain whitefish	238	162	SCALES		0			
	0113	3	3071	Mountain whitefish	262	242	SCALES		0	PIT	900026000155462	
	0113	3	3072	Mountain whitefish	301	292	SCALES		2	PIT	900026000063391	
	0113	3	3073	Mountain whitefish	263	170	SCALES	4	2	PIT	900026000053929	
	0113	3	3074	Mountain whitefish	278	274	SCALES		0	PIT	900026000154780	
	0113	3	3075	Mountain whitefish	250	156	SCALES		0	PIT	900026000147683	
	0113	3	3076	Mountain whitefish	218	124	SCALES		0			
	0113	3	3077	Mountain whitefish	248	190	SCALES		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour	
1												
		0113	3	3078	Mountain whitefish	300	292	SCALES		2	PIT	900026000155342
		0113	3	3079	Mountain whitefish	384	538	SCALES		0	PIT	900026000155260
		0113	3	3080	Mountain whitefish	301	322	SCALES	6	0	PIT	900026000155496
		0113	3	3081	Mountain whitefish	311	360	SCALES		0	PIT	900026000188705
		0113	3	3082	Mountain whitefish	283		SCALES		2	PIT	965000000076841
		0113	3	3083	Mountain whitefish	282	286	SCALES		2	PIT	900026000061768
		0113	3	3084	Mountain whitefish	295	252	SCALES		0	PIT	900026000148975
		0113	3	3085	Mountain whitefish	315	318	SCALES		0	PIT	900026000064467
		0113	3	3086	Mountain whitefish	288	302	SCALES		0	PIT	900026000147891
		0113	3	3087	Mountain whitefish	254	210	SCALES		0	PIT	900026000155211
		0113	3	3088	Mountain whitefish	323	368	SCALES		2	PIT	965000000076381
		0113	3	3089	Mountain whitefish	296	264	SCALES	5	0	PIT	900026000154645
		0113	3	3090	Mountain whitefish	251	162	SCALES		0	PIT	900026000147692
		0113	3	3091	Mountain whitefish	264	246	SCALES		2	PIT	900026000052494
		0113	3	3092	Mountain whitefish	323	362	SCALES		2	PIT	965000000239066
		0113	3	3093	Mountain whitefish	307	364	SCALES		2	PIT	965000000247569
		0113	3	3094	Mountain whitefish	242	140	SCALES/OTOLITH		1		
		0113	3	3095	Mountain whitefish	259	234	SCALES/OTOLITH		1		
		0112	3	3096	Mountain whitefish	283	304	SCALES		2	PIT	965000000076841
		0112	3	3097	Mountain whitefish	259	250	SCALES		0	PIT	900026000147383
		0112	3	3098	Mountain whitefish	392	708	SCALES		0	PIT	900026000147559
		0112	3	3099	Mountain whitefish	253	214	SCALES		2	PIT	900026000155211
		0112	3	3100	Mountain whitefish	271	230	SCALES		2	PIT	900026000052353
		0112	3	3101	Mountain whitefish	261	196	SCALES		2	PIT	900026000148249
		0112	3	3102	Mountain whitefish	294	232	SCALES		2	PIT	900026000148975
		0112	3	3103	Mountain whitefish	270	226	SCALES		0	PIT	900026000155029
		0112	3	3104	Mountain whitefish	337	424	SCALES		2	PIT	900026000147322
		0112	3	3105	Mountain whitefish	248	162	SCALES		0		
		0112	3	3106	Mountain whitefish	283	270	SCALES		0	PIT	900026000146996
		0112	3	3107	Mountain whitefish	281	254	SCALES		0	PIT	900026000148203
		0112	3	3108	Mountain whitefish	258	194	SCALES		0	PIT	900026000148270
		0112	3	3109	Mountain whitefish	308	328	SCALES		0	PIT	900026000057578
		0112	3	3110	Mountain whitefish	300	288	SCALES		0	PIT	900026000154833
		0112	3	3111	Mountain whitefish	277	228	SCALES		0	PIT	900026000147016
		0112	3	3112	Mountain whitefish	404	692	SCALES	9	0	PIT	900026000147294
		0112	3	3113	Mountain whitefish	273	224	SCALES		0	PIT	900026000147504
		0112	3	3114	Mountain whitefish	257	206	SCALES		0	PIT	900026000052458
		0112	3	3115	Mountain whitefish	307	284	SCALES		0	PIT	900026000154668
		0112	3	3116	Mountain whitefish	332	366	SCALES		0	PIT	900026000155424
		0112	3	3117	Mountain whitefish	281	260	SCALES		0	PIT	900026000147489
		0112	3	3118	Mountain whitefish	296	294	SCALES		0	PIT	900026000154759
		0116	3	3119	Mountain whitefish	252	216	SCALES	4	0		
		0116	3	3120	Mountain whitefish	242	176	SCALES		0		
		0116	3	3121	Mountain whitefish	259	192	SCALES		0	PIT	900026000147514
		0116	3	3122	Mountain whitefish	252	164	SCALES		2	PIT	900026000147683
		0116	3	3123	Mountain whitefish	221	142	SCALES		0		
		0116	3	3124	Mountain whitefish	290	296	SCALES		0	PIT	900026000148487
		0116	3	3125	Mountain whitefish	273	264	SCALES		0	PIT	900026000154617
		0116	3	3126	Mountain whitefish	311	350	SCALES		0	PIT	900026000148189
		0114	3	3127	Mountain whitefish	364	476	SCALES		0	PIT	900026000146057
		0114	3	3128	Mountain whitefish	396	712	SCALES		2	PIT	900026000147559

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0114	3	3129	Mountain whitefish	270	206	SCALES		0	PIT	900026000083160
	0114	3	3130	Mountain whitefish	299	308	SCALES		2	PIT	900026000148003
	0114	3	3131	Mountain whitefish	265	182	SCALES		0		
	0114	3	3132	Mountain whitefish	292	282	SCALES		0	PIT	900026000154952
	0114	3	3133	Mountain whitefish	272	220	SCALES		0	PIT	900026000084109
	0114	3	3134	Mountain whitefish	251	172	SCALES		0	PIT	900026000155033
	0114	3	3135	Mountain whitefish	248	154	SCALES		0		
	0114	3	3136	Mountain whitefish	296	282	SCALES		0	PIT	900026000083318
	0114	3	3137	Mountain whitefish	271	230	SCALES	4	0	PIT	900026000154849
	0114	3	3138	Mountain whitefish	335	338	SCALES		0	PIT	900026000053827
	0114	3	3139	Mountain whitefish	265	192	SCALES		0	PIT	900026000146218
	0114	3	3140	Mountain whitefish	313	314	SCALES		2	PIT	900026000148189
	0114	3	3141	Mountain whitefish	305	292	SCALES		0	PIT	900026000148717
	0104	3	3142	Mountain whitefish	313	336	SCALES		2	PIT	900026000052421
	0104	3	3143	Mountain whitefish	368	466	SCALES		0	PIT	900026000188886
	0104	3	3144	Mountain whitefish	251	214	SCALES		0	PIT	900026000188598
	0104	3	3145	Mountain whitefish	322	336	SCALES		0	PIT	900026000188591
	0104	3	3146	Mountain whitefish	278	220	SCALES		0		
	0104	3	3147	Mountain whitefish	305	320	SCALES		0	PIT	900026000188379
	0104	3	3148	Mountain whitefish	313	344	SCALES		0	PIT	900026000188492
	0104	3	3149	Mountain whitefish	297	282	SCALES		0	PIT	900026000188485
	0104	3	3150	Mountain whitefish	268	246	SCALES		0	PIT	900026000188373
	0104	3	3151	Mountain whitefish	277	276	SCALES		2	PIT	965000000072656
	0104	3	3152	Mountain whitefish	322	372	SCALES		2	PIT	965000000008442
	0104	3	3153	Mountain whitefish	267	232	SCALES		2	PIT	900026000051772
	0104	3	3154	Mountain whitefish	248	182	SCALES		0		
	0104	3	3155	Mountain whitefish	276	270	SCALES		0	PIT	900026000184001
	0104	3	3156	Mountain whitefish	367	422	SCALES	9	0	PIT	900026000188740
	0104	3	3157	Mountain whitefish	250	198	SCALES		0	PIT	900026000188588
	0104	3	3158	Mountain whitefish	293	288	SCALES		0	PIT	900026000184832
	0104	3	3159	Mountain whitefish	261	256	SCALES/OTOLITH		0		
	0103	3	3160	Bull trout	255	176	SCALES/FIN RAY	3	0	PIT	900026000188760
	0103	3	3161	Rainbow trout	256	216	SCALES		0	PIT	900026000188052
	0103	3	3162	Mountain whitefish	273	278	SCALES		0	PIT	900026000188329
	0103	3	3163	Mountain whitefish	296	314	SCALES		2	PIT	900026000056130
	0103	3	3164	Mountain whitefish	340	420	SCALES		2	PIT	965000000240949
	0103	3	3165	Mountain whitefish	287	278	SCALES		0	PIT	900026000188910
	0103	3	3166	Mountain whitefish	335	370	SCALES		2	PIT	900026000053515
	0103	3	3167	Mountain whitefish	251	206	SCALES		0	PIT	900026000188477
	0103	3	3168	Mountain whitefish	350	508	SCALES		2	PIT	900026000053920
	0103	3	3169	Mountain whitefish	255	220	SCALES		0	PIT	900026000188376
	0103	3	3170	Mountain whitefish	233	172	SCALES		0		
	0103	3	3171	Mountain whitefish	264	244	SCALES	4	0	PIT	900026000184220
	0103	3	3172	Mountain whitefish	302	352	SCALES	4	0	PIT	900026000188642
	0103	3	3173	Mountain whitefish	337	424	SCALES		0	PIT	900026000188872
	0103	3	3174	Mountain whitefish	247	210	SCALES		0		
	0103	3	3175	Mountain whitefish	301	278	SCALES		0	PIT	900026000188923
	0103	3	3176	Mountain whitefish	264	242	SCALES		0	PIT	900026000188061
	0103	3	3177	Mountain whitefish	273	258	SCALES		0	PIT	900026000188790
	0103	3	3178	Mountain whitefish	272	248	SCALES		2	PIT	900026000188373
	0103	3	3179	Mountain whitefish	344	424	SCALES		0	PIT	900026000184712

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0103	3	3180	Mountain whitefish	253	200	SCALES		0	PIT	900026000188202
	0103	3	3181	Mountain whitefish	238	176	SCALES	4	0		
	0103	3	3182	Mountain whitefish	279	280	SCALES		0	PIT	900026000148990
	0105	3	3183	Mountain whitefish	381	440	SCALES		2	PIT	900026000061754
	0105	3	3184	Bull trout	399	664	FIN RAY	5	0	PIT	900026000051604
	0105	3	3185	Rainbow trout	292	266	SCALES		0		
	0105	3	3186	Mountain whitefish	269	252	SCALES		0	PIT	900026000147805
	0105	3	3187	Mountain whitefish	310	310	SCALES		0	PIT	900026000148366
	0105	3	3188	Mountain whitefish	271	260	SCALES		0	PIT	900026000083151
	0105	3	3189	Mountain whitefish	237	152	SCALES		0		
	0105	3	3190	Mountain whitefish	260	222	SCALES		2	PIT	900026000147452
	0105	3	3191	Mountain whitefish	251	182	SCALES		0	PIT	900026000083580
	0105	3	3192	Mountain whitefish	293	306	SCALES		0	PIT	900026000148408
	0105	3	3193	Mountain whitefish	270	238	SCALES		0	PIT	900026000155249
	0105	3	3194	Mountain whitefish	264	258	SCALES		0	PIT	900026000154721
	0105	3	3195	Mountain whitefish	256	196	SCALES		0	PIT	900026000147469
	0105	3	3196	Mountain whitefish	254	190	SCALES	3	0		
	0105	3	3197	Mountain whitefish	286	298	SCALES		0		
	0105	3	3198	Mountain whitefish	268	244	SCALES		0	PIT	900026000155474
	0105	3	3199	Mountain whitefish	252	202	SCALES		0	PIT	900026000035208
	0105	3	3200	Mountain whitefish	256	182	SCALES		0	PIT	900026000057232
	0105	3	3201	Mountain whitefish	246	190	SCALES		0		
	0105	3	3202	Mountain whitefish	304	314	SCALES	6	0	PIT	900026000147964
	0105	3	3203	Mountain whitefish	266	230	SCALES		0	PIT	900026000055159
	0105	3	3204	Mountain whitefish	287	284	SCALES		0	PIT	900026000147637
	0105	3	3205	Mountain whitefish	306	338	SCALES		0	PIT	900026000155037
	0105	3	3206	Mountain whitefish	251	206	SCALES		0		
	0105	3	3207	Mountain whitefish	266	254	SCALES/OTOLITH		1		
	0101	3	3208	Mountain whitefish	273		SCALES		0	PIT	900026000146066
	0101	3	3209	Mountain whitefish	305	328	SCALES		2	PIT	965000000088317
	0101	3	3210	Mountain whitefish	362	500	SCALES		0	PIT	900026000051291
	0101	3	3211	Mountain whitefish	323	364	SCALES		2	PIT	900026000060694
	0101	3	3212	Mountain whitefish	276	260	SCALES		0	PIT	900026000148687
	0101	3	3213	Mountain whitefish	287	324	SCALES		0	PIT	900026000155294
	0101	3	3214	Mountain whitefish	262	210	SCALES		0	PIT	900026000155384
	0101	3	3215	Mountain whitefish	285	272	SCALES		2	PIT	900026000060943
	0101	3	3216	Mountain whitefish	303	320	SCALES		0	PIT	900026000147102
	0101	3	3217	Mountain whitefish	282	260	SCALES		0	PIT	900026000055866
	0101	3	3218	Mountain whitefish	283	250	SCALES		0	PIT	900026000146009
	0101	3	3219	Mountain whitefish	310	384	SCALES		0	PIT	900026000187998
	0101	3	3220	Mountain whitefish	251	194	SCALES		0	PIT	900026000188317
	0101	3	3221	Mountain whitefish	298	310	SCALES		2	PIT	900026000083585
	0101	3	3222	Mountain whitefish	318	366	SCALES		2	PIT	965000000240808
	0101	3	3223	Mountain whitefish	314	362	SCALES		0	PIT	900026000186453
	0101	3	3224	Mountain whitefish	283	290	SCALES		0	PIT	900026000188841
	0101	3	3225	Mountain whitefish	257	210	SCALES		0	PIT	900026000186643
	0101	3	3226	Mountain whitefish	260	216	SCALES		0	PIT	900026000188831
	0101	3	3227	Mountain whitefish	320	394	SCALES		0	PIT	900026000186372
	0101	3	3228	Mountain whitefish	272	252	SCALES		0	PIT	900026000188696
	0101	3	3229	Mountain whitefish	276	258	SCALES		0	PIT	900026000186614
	0101	3	3230	Mountain whitefish	308	352	SCALES		2	PIT	900026000147150

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
0101	3	3231	Mountain whitefish	303	272	SCALES		0	PIT	900026000188626	
0101	3	3232	Mountain whitefish	273	202	SCALES		0	PIT	900026000188044	
0101	3	3233	Mountain whitefish	310	352	SCALES		0	PIT	900026000186646	
0101	3	3234	Mountain whitefish	306	334	SCALES		0	PIT	900026000186403	
0101	3	3235	Mountain whitefish	286	260	SCALES		2	PIT	900026000053963	
0101	3	3236	Mountain whitefish	293	318	SCALES		0	PIT	900026000186944	
0101	3	3237	Mountain whitefish	275	248	SCALES		0	PIT	900026000188332	
0101	3	3238	Mountain whitefish	292	308	SCALES		2	PIT	900026000061109	
0101	3	3239	Mountain whitefish	300	360	SCALES		0	PIT	900026000186392	
0101	3	3240	Mountain whitefish	295	268	SCALES		0	PIT	900026000186476	
0101	3	3241	Mountain whitefish	287	270	SCALES		0	PIT	900026000186123	
0101	3	3242	Mountain whitefish	260	208	SCALES		0	PIT	900026000186394	
0101	3	3243	Mountain whitefish	285	294	SCALES		0	PIT	900026000186622	
0101	3	3244	Mountain whitefish	287	278	SCALES		0	PIT	900026000186782	
0101	3	3245	Mountain whitefish	282	262	SCALES	4	2	PIT	900026000060568	
0101	3	3246	Mountain whitefish	296	284	SCALES		0	PIT	900026000188020	
0101	3	3247	Mountain whitefish	313	344	SCALES		0	PIT	900026000186474	
0101	3	3248	Mountain whitefish	278	272	SCALES	4	0	PIT	900026000188109	
0101	3	3249	Mountain whitefish	294	332	SCALES		0	PIT	900026000186061	
0101	3	3250	Mountain whitefish	298	266	SCALES		2	PIT	900026000083964	
0101	3	3251	Mountain whitefish	306	362	SCALES		2	PIT	900026000083509	
0101	3	3252	Mountain whitefish	234	158	SCALES		0			
0101	3	3253	Mountain whitefish	282	282	SCALES		0	PIT	900026000188895	
0101	3	3254	Mountain whitefish	270	210	SCALES		0	PIT	900026000188616	
0101	3	3255	Mountain whitefish	289	292	SCALES		2	PIT	900026000146274	
0101	3	3256	Mountain whitefish	270	270	SCALES		0	PIT	900026000188856	
0101	3	3257	Mountain whitefish	300	342	SCALES		0	PIT	900026000188938	
0101	3	3258	Mountain whitefish	335	390	SCALES		0	PIT	900026000188792	
0101	3	3259	Mountain whitefish	350	370	SCALES		0	PIT	900026000188036	
0101	3	3260	Mountain whitefish	284	230	SCALES		2	PIT	965000000086350	
0101	3	3261	Mountain whitefish	284	284	SCALES		0	PIT	900026000188482	
0101	3	3262	Mountain whitefish	345	470	SCALES		2	PIT	965000000281768	
0101	3	3263	Mountain whitefish	311	376	SCALES		0	PIT	900026000188412	
0101	3	3264	Mountain whitefish	299	334	SCALES	5	0	PIT	900026000188539	
0101	3	3265	Mountain whitefish	293	302	SCALES		0	PIT	900026000184545	
0101	3	3266	Mountain whitefish	260	216	SCALES		0	PIT	900026000188676	
0101	3	3267	Mountain whitefish	300	376	SCALES		0	PIT	900026000188750	
0101	3	3268	Mountain whitefish	293	302	SCALES		2	PIT	900026000034635	
0101	3	3269	Mountain whitefish	351	450	SCALES		0	PIT	900026000188454	
0101	3	3270	Mountain whitefish	279	284	SCALES		0	PIT	900026000188393	
0101	3	3271	Mountain whitefish	289	284	SCALES		0	PIT	900026000188046	
0101	3	3272	Mountain whitefish	320	422	SCALES		2	PIT	900026000061298	
0101	3	3273	Mountain whitefish	293	316	SCALES		0	PIT	900026000188599	
0101	3	3274	Mountain whitefish	274	266	SCALES		0	PIT	900026000188324	
0101	3	3275	Mountain whitefish	297	294	SCALES		0	PIT	900026000184741	
0101	3	3276	Mountain whitefish	340	444	SCALES		2	PIT	965000000237759	
0101	3	3277	Mountain whitefish	300	344	SCALES		0	PIT	900026000188451	
0101	3	3278	Mountain whitefish	282	278	SCALES		2	PIT	965000000282731	
0101	3	3279	Mountain whitefish	293	288	SCALES		0	PIT	900026000188100	
0101	3	3280	Mountain whitefish	265	216	SCALES		0	PIT	900026000188015	
0101	3	3281	Mountain whitefish	303	322	SCALES		0	PIT	900026000188526	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag		
										Number	Colour	
1												
	0101	3	3282	Mountain whitefish	308	328	SCALES		0	PIT	900026000188809	
	0101	3	3283	Mountain whitefish	273	214	SCALES		0	PIT	900026000188803	
	0101	3	3284	Mountain whitefish	305	332	SCALES	6	2	PIT	965000000069707	
	0101	3	3285	Mountain whitefish	287	284	SCALES		0	PIT	900026000187972	
	0101	3	3286	Mountain whitefish	307	318	SCALES		0	PIT	900026000147287	
	0102	3	3287	Mountain whitefish	287	292	SCALES	4	0	PIT	900026000035117	
	0102	3	3288	Mountain whitefish	324	388	SCALES		0	PIT	900026000154915	
	0102	3	3289	Mountain whitefish	394	674	SCALES		0	PIT	900026000147702	
	0102	3	3290	Mountain whitefish	258	174	SCALES		0			
	0102	3	3291	Mountain whitefish	337	382	SCALES		2	PIT	900026000055541	
	0102	3	3292	Mountain whitefish	324	380	SCALES		0	PIT	900026000147467	
	0102	3	3293	Mountain whitefish	268	230	SCALES		0	PIT	900026000148809	
	0102	3	3294	Mountain whitefish	337	388	SCALES		0	PIT	900026000154669	
	0102	3	3295	Mountain whitefish	291	312	SCALES		0	PIT	900026000055490	
	0102	3	3296	Mountain whitefish	306	324	SCALES		2	PIT	900026000035434	
	0102	3	3297	Mountain whitefish	323	396	SCALES		2	PIT	965000000007607	
	0102	3	3298	Mountain whitefish	318	384	SCALES		0	PIT	900026000146028	
	0102	3	3299	Mountain whitefish	301	326	SCALES		0	PIT	900026000147214	
	0102	3	3300	Mountain whitefish	324	402	SCALES		2	FLOY	14186	WHITE
	0102	3	3301	Mountain whitefish	303	352	SCALES		0	PIT	900026000083324	
	0102	3	3302	Mountain whitefish	266	264	SCALES	4	0	PIT	900026000155270	
	0102	3	3303	Mountain whitefish	356	434	SCALES		0	PIT	900026000146191	
	0102	3	3304	Mountain whitefish	387	398	SCALES		0	PIT	900026000148754	
	0102	3	3305	Mountain whitefish	334	442	SCALES		0	PIT	900026000147134	
	0102	3	3306	Mountain whitefish	347	500	SCALES		2	PIT	965000000245523	
	0102	3	3307	Mountain whitefish	279	302	SCALES		0	PIT	900026000056506	
	0102	3	3308	Mountain whitefish	339	410	SCALES		0	PIT	900026000147712	
	0102	3	3309	Mountain whitefish	306	368	SCALES	6	0	PIT	900026000053936	
	0102	3	3310	Mountain whitefish	352	416	SCALES		0	PIT	900026000147138	
	0102	3	3311	Mountain whitefish	324	390	SCALES		2	PIT	965000000080976	
	0102	3	3312	Mountain whitefish	257	202	SCALES		0	PIT	900026000062115	
	0102	3	3313	Mountain whitefish	299	342	SCALES		2	PIT	900026000065624	
	0102	3	3314	Mountain whitefish	333	424	SCALES		2	FLOY	14188	WHITE
	0102	3	3315	Mountain whitefish	288	304	SCALES		0	PIT	900026000035061	
	0102	3	3316	Mountain whitefish	273	264	SCALES		0	PIT	900026000155253	
	0102	3	3317	Mountain whitefish	272	254	SCALES		0	PIT	900026000146180	
	0102	3	3318	Mountain whitefish	283	278	SCALES		0	PIT	900026000084129	
	0102	3	3319	Mountain whitefish	287	308	SCALES		0	PIT	900026000083284	
	0102	3	3320	Mountain whitefish	331	378	SCALES		0	PIT	900026000188655	
	0102	3	3321	Mountain whitefish	273	260	SCALES	4	0	PIT	900026000183986	
	0102	3	3322	Mountain whitefish	343	432	SCALES	8	2	PIT	900026000054568	
	0102	3	3323	Mountain whitefish	296	356	SCALES		0	PIT	900026000183992	
	0102	3	3324	Mountain whitefish	377	566	SCALES	10	2	PIT	965000000244572	
	0102	3	3325	Mountain whitefish	299	300	SCALES		0	PIT	900026000188785	
	0102	3	3326	Mountain whitefish	268	230	SCALES		0	PIT	900026000188654	
	0102	3	3327	Mountain whitefish	336	466	SCALES		0	PIT	900026000184713	
	0102	3	3328	Mountain whitefish	281	274	SCALES		0	PIT	900026000188359	
	0102	3	3329	Mountain whitefish	334	418	SCALES		0	PIT	900026000188890	
	0102	3	3330	Mountain whitefish	343	430	SCALES		0	PIT	900026000188662	
	0102	3	3331	Mountain whitefish	286	294	SCALES		2	PIT	900026000055336	
	0102	3	3332	Mountain whitefish	354	520	SCALES		0	PIT	900026000188296	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0102	3	3333	Mountain whitefish	279	248	SCALES		0	PIT	900026000188430
	0102	3	3334	Mountain whitefish	353	518	SCALES	8	0	PIT	900026000188875
	0102	3	3335	Mountain whitefish	279	270	SCALES		0	PIT	900026000188108
	0102	3	3336	Mountain whitefish	338	450	SCALES		0	PIT	900026000188474
	0102	3	3337	Mountain whitefish	325	358	SCALES		0	PIT	900026000184200
	0102	3	3338	Mountain whitefish	305	350	SCALES		0	PIT	900026000188401
	0102	3	3339	Mountain whitefish	293	354	SCALES		2	PIT	900026000052169
	0102	3	3340	Mountain whitefish	309	368	SCALES/OTOLITH		1		
	0119	3	3341	Mountain whitefish	326	400	SCALES		0	PIT	900026000184248
	0119	3	3342	Mountain whitefish	314	410	SCALES		0	PIT	900026000184951
	0119	3	3343	Mountain whitefish	331	372	SCALES		0	PIT	900026000184120
	0119	3	3344	Rainbow trout	301	400	SCALES		0	PIT	900026000188196
	0119	3	3345	Mountain whitefish	303	320	SCALES		0	PIT	900026000188440
	0119	3	3346	Mountain whitefish	291	288	SCALES		0	PIT	900026000184038
	0119	3	3347	Mountain whitefish	314	376	SCALES		0	PIT	900026000187985
	0119	3	3348	Mountain whitefish	296	302	SCALES		0	PIT	900026000188732
	0119	3	3349	Mountain whitefish	284	270	SCALES	4	0	PIT	900026000188212
	0119	3	3350	Bull trout	229	138	SCALES/FIN RAY	3	0	PIT	900026000188712
	0119	3	3351	Mountain whitefish	341	424	SCALES		0	PIT	900026000188744
	0119	3	3352	Mountain whitefish	338	484	SCALES/OTOLITH		1		
	0119	3	3353	Mountain whitefish	307	370	SCALES/OTOLITH		1		
	0102	3	3354	Mountain whitefish	317	382	SCALES/OTOLITH		3	PIT	900026000146028
	0109	3	3355	Mountain whitefish	252	178	SCALES		2	PIT	900026000052517
	0109	3	3356	Mountain whitefish	300	298	SCALES	5	2	PIT	900026000065293
	0109	3	3357	Mountain whitefish	240	196	SCALES		0		
	0109	3	3358	Mountain whitefish	280	274	SCALES		0	PIT	900026000188208
	0109	3	3359	Mountain whitefish	257	188	SCALES		0	PIT	900026000188619
	0109	3	3360	Mountain whitefish	260	184	SCALES		0	PIT	900026000188718
	0109	3	3361	Mountain whitefish	289	314	SCALES		0	PIT	900026000186357
	0109	3	3362	Mountain whitefish	254	182	SCALES	4	0	PIT	900026000186522
	0109	3	3363	Mountain whitefish	234	158	SCALES		0		
	0109	3	3364	Mountain whitefish	247	172	SCALES		0		
	0109	3	3365	Mountain whitefish	313	350	SCALES		2	PIT	900026000148706
	0109	3	3366	Mountain whitefish	292	290	SCALES		2	PIT	965000000281400
	0109	3	3367	Mountain whitefish	245	168	SCALES		0		
	0109	3	3368	Mountain whitefish	260	202	SCALES		0	PIT	900026000186384
	0109	3	3369	Mountain whitefish	280	240	SCALES		0	PIT	900026000187994
	0109	3	3370	Mountain whitefish	302	260	SCALES		0	PIT	900026000186361
	0109	3	3371	Mountain whitefish	352	490	SCALES		0	PIT	900026000186827
	0109	3	3372	Mountain whitefish	265	244	SCALES		0	PIT	900026000188062
	0109	3	3373	Mountain whitefish	297	344	SCALES		2	PIT	900026000035605
	0109	3	3374	Mountain whitefish	237	158	SCALES		0		
	0104	4	4339	Mountain whitefish	293	294	SCALES		0		
	0104	4	4340	Mountain whitefish	275	260	SCALES		0		
	0104	4	4341	Mountain whitefish	293	308	SCALES	5	2	PIT	965000000069084
	0104	4	4342	Mountain whitefish	344	350	SCALES	8	0	PIT	900026000055514
	0104	4	4343	Mountain whitefish	287	282	SCALES		2	PIT	900026000060352
	0104	4	4344	Mountain whitefish	346	414	SCALES		0	PIT	900026000154712
	0104	4	4345	Mountain whitefish	313	308	SCALES		0	PIT	900026000154878
	0104	4	4346	Mountain whitefish	293	340	SCALES		0	PIT	900026000033472
	0104	4	4347	Mountain whitefish	258	220	SCALES		0	PIT	900026000154555

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0104	4	4348	Mountain whitefish	275	236	SCALES		2	PIT	965000000069510
	0104	4	4349	Mountain whitefish	305	336	SCALES		0	PIT	900026000055896
	0104	4	4350	Mountain whitefish	368	424	SCALES		2	PIT	900026000188740
	0104	4	4351	Mountain whitefish	288	280	SCALES		2	PIT	965000000110025
	0104	4	4352	Mountain whitefish	395	570	SCALES		0	PIT	900026000052287
	0104	4	4353	Mountain whitefish	323	354	SCALES		0	PIT	900026000147339
	0104	4	4354	Mountain whitefish	260	230	SCALES		0	PIT	900026000052051
	0104	4	4355	Mountain whitefish	358	440	SCALES		2	PIT	4D00045165
	0104	4	4356	Mountain whitefish	268	238	SCALES		2	PIT	900026000155200
	0104	4	4357	Mountain whitefish	245	176	SCALES		0		
	0104	4	4358	Mountain whitefish	347	432	SCALES		0	PIT	900026000055342
	0104	4	4359	Mountain whitefish	258	198	SCALES		0	PIT	900026000147275
	0104	4	4360	Mountain whitefish	323	322	SCALES		2	PIT	4D00025309
	0104	4	4361	Mountain whitefish	325	416	SCALES/OTOLITH		9		
	0103	4	4362	Mountain whitefish	290	236	SCALES		2	PIT	900026000033472
	0103	4	4363	Mountain whitefish	288	274	SCALES		2	PIT	965000000110025
	0103	4	4364	Mountain whitefish	292	280	SCALES		2	PIT	965000000090708
	0103	4	4365	Mountain whitefish	262	244	SCALES		0	PIT	900026000155016
	0103	4	4366	Mountain whitefish	249	178	SCALES	3	0		
	0103	4	4367	Mountain whitefish	262	226	SCALES		0	PIT	900026000147186
	0103	4	4368	Mountain whitefish	258	194	SCALES		0	PIT	900026000056876
	0103	4	4369	Mountain whitefish	324	364	SCALES		0	PIT	900026000155407
	0105	4	4370	Mountain whitefish	269	252	SCALES		2	PIT	900026000147805
	0105	4	4371	Mountain whitefish	255	196	SCALES		2	PIT	900026000188588
	0105	4	4372	Mountain whitefish	308	294	SCALES	7	2	PIT	965000000241778
	0105	4	4373	Mountain whitefish	242	196	SCALES		0		
	0105	4	4374	Mountain whitefish	300	344	SCALES		2	PIT	900026000148026
	0105	4	4375	Mountain whitefish	274	260	SCALES		2	PIT	900026000148583
	0105	4	4376	Mountain whitefish	308	304	SCALES		2	PIT	900026000148366
	0105	4	4377	Mountain whitefish	282	282	SCALES		0	PIT	900026000054128
	0105	4	4378	Mountain whitefish	328	390	SCALES		0	PIT	900026000147671
	0105	4	4379	Mountain whitefish	324	396	SCALES		2	PIT	965000000010023
	0105	4	4380	Mountain whitefish	377	434	SCALES		2	PIT	900026000061754
	0105	4	4381	Mountain whitefish	260	204	SCALES		0	PIT	900026000053941
	0105	4	4382	Mountain whitefish	267	232	SCALES		2	PIT	900026000146095
	0105	4	4383	Mountain whitefish	314	370	SCALES		0	PIT	900026000055252
	0105	4	4384	Mountain whitefish	251	198	SCALES		0	PIT	900026000154973
	0105	4	4385	Mountain whitefish	308	342	SCALES		2	PIT	900026000061755
	0105	4	4386	Mountain whitefish	251	184	SCALES		0	PIT	900026000154632
	0105	4	4387	Mountain whitefish	266	278	SCALES/OTOLITH		9		
	0101	4	4388	Mountain whitefish	330	352	SCALES		0	PIT	900026000154639
	0101	4	4389	Mountain whitefish	320	352	SCALES		0	PIT	900026000155280
	0101	4	4390	Mountain whitefish	293	270	SCALES		0	PIT	900026000147565
	0101	4	4391	Mountain whitefish	256	186	SCALES		0	PIT	900026000155497
	0101	4	4392	Mountain whitefish	250	206	SCALES	4	0	PIT	900026000188545
	0101	4	4393	Mountain whitefish	316	332	SCALES		0	PIT	900026000186604
	0101	4	4394	Mountain whitefish	351	538	SCALES		2	PIT	965000000247513
	0101	4	4395	Mountain whitefish	296	318	SCALES		2	PIT	965000000281772
	0101	4	4396	Mountain whitefish	309	342	SCALES		0	PIT	900026000186818
	0101	4	4397	Mountain whitefish	317	458	SCALES		0	PIT	900026000186943
	0101	4	4398	Mountain whitefish	278	252	SCALES		0	PIT	900026000188936

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
0101	4	4399	Mountain whitefish	303	322	SCALES		2	PIT	965000000084402	
0101	4	4400	Mountain whitefish	315	390	SCALES		0	PIT	900026000186068	
0101	4	4401	Mountain whitefish	308	362	SCALES		2	PIT	965000000072531	
0101	4	4402	Mountain whitefish	297	342	SCALES		2	PIT	965000000107850	
0101	4	4403	Mountain whitefish	319	420	SCALES		0	PIT	900026000188522	
0101	4	4404	Mountain whitefish	252	220	SCALES		0	PIT	900026000186710	
0101	4	4405	Mountain whitefish	367	460	SCALES		0	PIT	900026000188649	
0101	4	4406	Mountain whitefish	271	252	SCALES		2	PIT	900026000055679	
0101	4	4407	Mountain whitefish	244	200	SCALES	4	0			
0101	4	4408	Mountain whitefish	270	252	SCALES		0	PIT	900026000188717	
0101	4	4409	Mountain whitefish	247	178	SCALES		0			
0101	4	4410	Mountain whitefish	296	314	SCALES		2	PIT	965000000087584	
0101	4	4411	Mountain whitefish	296	292	SCALES		0	PIT	900026000188691	
0101	4	4412	Mountain whitefish	274	256	SCALES		0	PIT	900026000186668	
0101	4	4413	Mountain whitefish	277	250	SCALES		0	PIT	900026000186376	
0101	4	4414	Mountain whitefish	287	288	SCALES		2	PIT	900026000034772	
0101	4	4415	Mountain whitefish	338	432	SCALES		0	PIT	900026000188256	
0101	4	4416	Mountain whitefish	282	264	SCALES	5	0	PIT	900026000188156	
0101	4	4417	Mountain whitefish	287	308	SCALES		0	PIT	900026000186704	
0101	4	4418	Mountain whitefish	276	254	SCALES		0	PIT	900026000188418	
0101	4	4419	Mountain whitefish	300	298	SCALES		0	PIT	900026000188236	
0101	4	4420	Mountain whitefish	268	264	SCALES		0	PIT	900026000186360	
0101	4	4421	Mountain whitefish	305	336	SCALES		0	PIT	900026000186586	
0101	4	4422	Mountain whitefish	300		SCALES		0	PIT	900026000186358	
0101	4	4423	Mountain whitefish	292	316	SCALES		0	PIT	900026000186695	
0101	4	4424	Mountain whitefish	310	362	SCALES		0	PIT	900026000186635	
0101	4	4425	Mountain whitefish	294	302	SCALES		0	PIT	900026000186642	
0101	4	4426	Mountain whitefish	325	398	SCALES		0	PIT	900026000187959	
0101	4	4427	Mountain whitefish	265	226	SCALES		2	PIT	900026000154526	
0101	4	4428	Mountain whitefish	271	226	SCALES		0	PIT	900026000155412	
0101	4	4429	Mountain whitefish	287	304	SCALES		0	PIT	900026000155303	
0101	4	4430	Mountain whitefish	266	242	SCALES		0	PIT	900026000154574	
0101	4	4431	Mountain whitefish	272	254	SCALES		0	PIT	900026000155113	
0101	4	4432	Mountain whitefish	287	254	SCALES		0	PIT	900026000055722	
0101	4	4433	Mountain whitefish	280	226	SCALES		0	PIT	900026000155073	
0101	4	4434	Mountain whitefish	268	250	SCALES		0	PIT	900026000155002	
0101	4	4435	Mountain whitefish	294	306	SCALES		0	PIT	900026000148052	
0101	4	4436	Mountain whitefish	253	202	SCALES		0	PIT	900026000147328	
0101	4	4437	Mountain whitefish	332	346	SCALES		0	PIT	900026000155244	
0101	4	4438	Mountain whitefish	325	396	SCALES		2	PIT	965000000281494	
0101	4	4439	Mountain whitefish	288	314	SCALES		0			
0101	4	4440	Mountain whitefish	296	314	SCALES		0	PIT	900026000055644	
0101	4	4441	Mountain whitefish	270	226	SCALES		0	PIT	900026000154979	
0101	4	4442	Mountain whitefish	293	308	SCALES		0	PIT	900026000147434	
0101	4	4443	Mountain whitefish	326	384	SCALES		0	PIT	900026000035173	
0101	4	4444	Mountain whitefish	260	216	SCALES		0	PIT	900026000052239	
0101	4	4445	Mountain whitefish	292	300	SCALES		2	PIT	965000000091245	
0101	4	4446	Mountain whitefish	247	214	SCALES		0			
0101	4	4447	Mountain whitefish	269	220	SCALES		2	PIT	900026000083396	
0101	4	4448	Mountain whitefish	295	314	SCALES		0	PIT	900026000052335	
0101	4	4449	Mountain whitefish	285	262	SCALES		0	PIT	900026000154744	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0101	4	4450	Mountain whitefish	307	356	SCALES		0	PIT	900026000056717
	0101	4	4451	Mountain whitefish	270	224	SCALES		0	PIT	900026000147123
	0101	4	4452	Mountain whitefish	306	372	SCALES		0	PIT	900026000154525
	0101	4	4453	Mountain whitefish	365	478	SCALES		0	PIT	900026000057223
	0101	4	4454	Mountain whitefish	316	358	SCALES		0	PIT	900026000154844
	0101	4	4455	Mountain whitefish	273	254	SCALES		0	PIT	900026000155132
	0102	4	4456	Mountain whitefish	339	460	SCALES		0	PIT	900026000154856
	0102	4	4457	Mountain whitefish	248	150	SCALES		0		
	0102	4	4458	Mountain whitefish	234	158	SCALES		0		
	0102	4	4459	Mountain whitefish	312	310	SCALES		0	PIT	900026000155105
	0102	4	4460	Mountain whitefish	329	386	SCALES		2	PIT	965000000081697
	0102	4	4461	Mountain whitefish	272	256	SCALES		2	PIT	900026000146066
	0102	4	4462	Mountain whitefish	288	264	SCALES		2	PIT	965000000281607
	0102	4	4463	Mountain whitefish	257	204	SCALES		0	PIT	900026000188542
	0102	4	4464	Mountain whitefish	298	310	SCALES		0	PIT	900026000186029
	0102	4	4465	Mountain whitefish	268	256	SCALES		0	PIT	900026000186448
	0102	4	4466	Mountain whitefish	308	324	SCALES		0	PIT	900026000186185
	0102	4	4467	Mountain whitefish	310	388	SCALES		0	PIT	900026000186571
	0102	4	4468	Mountain whitefish	269	276	SCALES		0	PIT	900026000186491
	0102	4	4469	Mountain whitefish	263	222	SCALES	4	0	PIT	900026000186494
	0102	4	4470	Mountain whitefish	344	438	SCALES		2	PIT	965000000248169
	0102	4	4471	Mountain whitefish	288	294	SCALES		0	PIT	900026000186511
	0102	4	4472	Mountain whitefish	283	262	SCALES		0	PIT	900026000188820
	0102	4	4473	Mountain whitefish	291	324	SCALES		0	PIT	900026000188952
	0102	4	4474	Mountain whitefish	298	314	SCALES		0	PIT	900026000186674
	0102	4	4475	Mountain whitefish	264	242	SCALES		0	PIT	900026000186600
	0102	4	4476	Mountain whitefish	250	182	SCALES		0	PIT	900026000186451
	0102	4	4477	Mountain whitefish	302	356	SCALES		0	PIT	900026000186705
	0102	4	4478	Mountain whitefish	354	460	SCALES	8	0	PIT	900026000186554
	0102	4	4479	Mountain whitefish	334	442	SCALES		0	PIT	900026000186919
	0102	4	4480	Mountain whitefish	296	288	SCALES		0	PIT	900026000186529
	0102	4	4481	Mountain whitefish	313	272	SCALES		2	PIT	965000000084925
	0102	4	4482	Mountain whitefish	278	236	SCALES	3	0	PIT	900026000186297
	0102	4	4483	Mountain whitefish	279	282	SCALES	4	0	PIT	900026000188229
	0102	4	4484	Mountain whitefish	278	288	SCALES	4	0	PIT	900026000186103
	0102	4	4485	Mountain whitefish	313	272	SCALES		0	PIT	900026000185958
	0102	4	4486	Mountain whitefish	242	162	SCALES		0		
	0102	4	4487	Mountain whitefish	317	348	SCALES		0	PIT	900026000186417
	0102	4	4488	Mountain whitefish	268	248	SCALES		0	PIT	900026000186657
	0102	4	4489	Mountain whitefish	323	432	SCALES		0	PIT	900026000186487
	0102	4	4490	Mountain whitefish	294	322	SCALES		0	PIT	900026000188547
	0102	4	4491	Mountain whitefish	294	292	SCALES	5	2	PIT	965000000245961
	0102	4	4492	Mountain whitefish	260	248	SCALES		2	PIT	900026000053845
	0119	4	4493	Mountain whitefish	262	226	SCALES		0	PIT	900026000188194
	0119	4	4494	Mountain whitefish	315	454	SCALES		2	PIT	900026000186943
	0119	4	4495	Mountain whitefish	294	334	SCALES		0	PIT	900026000186369
	0119	4	4496	Rainbow trout	235	160	SCALES		0		
	0119	4	4497	Mountain whitefish	323	376	SCALES		0	PIT	900026000186911
	0119	4	4498	Mountain whitefish	281	258	SCALES		0	PIT	900026000185976
	0119	4	4499	Mountain whitefish	249	204	SCALES		0		
	0119	4	4500	Mountain whitefish	313	344	SCALES	6	0	PIT	900026000186437

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0119	4	4501	Mountain whitefish	262	214	SCALES		0	PIT	900026000188632
	0119	4	4502	Mountain whitefish	280	254	SCALES		0	PIT	900026000186849
	0119	4	4503	Mountain whitefish	273	268	SCALES		0	PIT	900026000188577
	0119	4	4504	Mountain whitefish	299	354	SCALES		0	PIT	900026000186825
	0119	4	4505	Mountain whitefish	265	216	SCALES		0	PIT	900026000186628
	0119	4	4506	Mountain whitefish	256	186	SCALES		0	PIT	900026000186918
	0119	4	4507	Mountain whitefish	282	266	SCALES		0	PIT	900026000186663
	0119	4	4508	Bull trout	265	162	SCALES/FIN RAY	3	0	PIT	900026000186366
	0119	4	4509	Mountain whitefish	292	340	SCALES/OTOLITH		9		
	0107	4	4510	Mountain whitefish	297	300	SCALES		0		
	0107	4	4511	Mountain whitefish	282	270	SCALES		0	PIT	900026000186835
	0107	4	4512	Mountain whitefish	320	366	SCALES		5	PIT	900026000186188
	0108	4	4513	Mountain whitefish	338	408	SCALES		0	PIT	900026000186869
	0108	4	4514	Mountain whitefish	264	238	SCALES		2	PIT	900026000154830
	0108	4	4515	Mountain whitefish	313	350	SCALES		2	PIT	900026000053903
	0108	4	4516	Mountain whitefish	328	312	SCALES		0	PIT	900026000186052
	0108	4	4517	Mountain whitefish	240	140	SCALES		0		
	0108	4	4518	Mountain whitefish	251	210	SCALES		0	PIT	900026000186418
	0108	4	4519	Mountain whitefish	270	232	SCALES		0	PIT	900026000188637
	0108	4	4520	Mountain whitefish	238	152	SCALES		0		
	0108	4	4521	Mountain whitefish	302	352	SCALES/OTOLITH		9		
	0110	4	4522	Mountain whitefish	362	502	SCALES		0	PIT	900026000188836
	0110	4	4523	Mountain whitefish	310	350	SCALES		0	PIT	900026000186043
	0110	4	4524	Mountain whitefish	307	312	SCALES		0	PIT	900026000186184
	0110	4	4525	Mountain whitefish	291	312	SCALES		0	PIT	900026000187983
	0110	4	4526	Mountain whitefish	295	332	SCALES		2	PIT	900026000053573
	0110	4	4527	Mountain whitefish	298	332	SCALES		2	PIT	965000000246279
	0110	4	4528	Mountain whitefish	271	262	SCALES		0	PIT	900026000186306
	0110	4	4529	Mountain whitefish	292	314	SCALES		0	PIT	900026000186945
	0110	4	4530	Mountain whitefish	299	320	SCALES		0	PIT	900026000186244
	0116	4	4531	Mountain whitefish	258	202	SCALES	4	0	PIT	900026000188829
	0116	4	4532	Mountain whitefish	288	322	SCALES		0	PIT	900026000186260
	0116	4	4533	Mountain whitefish	306	358	SCALES		0	PIT	900026000186850
	0116	4	4534	Mountain whitefish	259	240	SCALES		0	PIT	900026000186900
	0116	4	4535	Mountain whitefish	295	300	SCALES		0	PIT	900026000188671
	0116	4	4536	Mountain whitefish	333	388	SCALES		2	PIT	965000000280908
	0116	4	4537	Mountain whitefish	297	264	SCALES		0	PIT	900026000186714
	0116	4	4538	Mountain whitefish	289	328	SCALES		0	PIT	900026000188157
	0116	4	4539	Mountain whitefish	258	222	SCALES		0	PIT	900026000188930
	0116	4	4540	Mountain whitefish	272	270	SCALES		2	PIT	965000000110090
	0116	4	4541	Mountain whitefish	302	338	SCALES		0	PIT	900026000188335
	0116	4	4542	Mountain whitefish	298	314	SCALES		0	PIT	900026000186236
	0116	4	4543	Mountain whitefish	267	218	SCALES		0	PIT	900026000186639
	0116	4	4544	Mountain whitefish	293	308	SCALES		2	PIT	900026000084084
	0116	4	4545	Mountain whitefish	247	162	SCALES		0		
	0116	4	4546	Mountain whitefish	307	308	SCALES		0	PIT	900026000188517
	0116	4	4547	Mountain whitefish	288	294	SCALES		2	PIT	965000000087172
	0116	4	4548	Mountain whitefish	286	268	SCALES		2	PIT	965000000070659
	0116	4	4549	Mountain whitefish	303	324	SCALES		0	PIT	900026000186816
	0116	4	4550	Mountain whitefish	315	372	SCALES		0	PIT	900026000188849
	0116	4	4551	Mountain whitefish	232	134	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0116	4	4552	Mountain whitefish	277	262	SCALES		2	PIT	900026000060368
	0114	4	4553	Mountain whitefish	306	332	SCALES		0	PIT	900026000186461
	0114	4	4554	Mountain whitefish	323	386	SCALES		2	PIT	965000000083769
	0114	4	4555	Mountain whitefish	322	392	SCALES	7	2	PIT	900026000061840
	0114	4	4556	Mountain whitefish	272	240	SCALES		0	PIT	900026000188871
	0114	4	4557	Mountain whitefish	302	330	SCALES		0	PIT	900026000186660
	0114	4	4558	Mountain whitefish	297	314	SCALES		0	PIT	900026000186846
	0114	4	4559	Mountain whitefish	315	332	SCALES	6	2	PIT	900026000148930
	0114	4	4560	Mountain whitefish	268	240	SCALES		0	PIT	900026000186028
	0114	4	4561	Mountain whitefish	207	104	SCALES		0		
	0114	4	4562	Mountain whitefish	309	328	SCALES		0	PIT	900026000188807
	0114	4	4563	Mountain whitefish	294	292	SCALES		2	PIT	900026000061367
	0114	4	4564	Mountain whitefish	315	368	SCALES		2	PIT	965000000245167
	0114	4	4565	Mountain whitefish	262	210	SCALES		2	PIT	900026000147017
	0114	4	4566	Mountain whitefish	356	492	SCALES	9	0	PIT	900026000186255
	0114	4	4567	Mountain whitefish	323	430	SCALES		0	PIT	900026000186356
	0114	4	4568	Mountain whitefish	270	214	SCALES		0	PIT	900026000186431
	0114	4	4569	Mountain whitefish	315	308	SCALES		2	PIT	4D00031677
	0114	4	4570	Mountain whitefish	298	294	SCALES		2	PIT	965000000105145
	0114	4	4571	Mountain whitefish	302	352	SCALES		0	PIT	900026000186259
	0114	4	4572	Mountain whitefish	288	292	SCALES		0	PIT	900026000187978
	0114	4	4573	Mountain whitefish	280	238	SCALES	5	2	PIT	900026000147788
	0114	4	4574	Mountain whitefish	281	274	SCALES		0	PIT	900026000154727
	0114	4	4575	Mountain whitefish	263	230	SCALES		0	PIT	900026000147384
	0114	4	4576	Rainbow trout	103	16	SCALES		0		
	0114	4	4577	Mountain whitefish	272	238	SCALES/OTOLITH		9		
	0109	4	4578	Mountain whitefish	234	146	SCALES		0		
	0109	4	4579	Mountain whitefish	249	186	SCALES		0		
	0109	4	4580	Mountain whitefish	273	258	SCALES		2	PIT	900026000186306
	0109	4	4581	Mountain whitefish	262	216	SCALES		2	PIT	900026000146204
	0109	4	4582	Mountain whitefish	254	186	SCALES		0	PIT	900026000154677
	0109	4	4583	Mountain whitefish	269	246	SCALES		0	PIT	900026000083853
	0109	4	4584	Mountain whitefish	230	140	SCALES		0		
	0109	4	4585	Mountain whitefish	244	168	SCALES		0		
	0109	4	4586	Mountain whitefish	267	232	SCALES		0	PIT	900026000155015
	0109	4	4587	Mountain whitefish	295	262	SCALES		0	PIT	900026000154937
	0109	4	4588	Mountain whitefish	286	296	SCALES		0	PIT	900026000147895
	0109	4	4589	Mountain whitefish	314	360	SCALES	6	2	PIT	965000000237766
	0109	4	4590	Mountain whitefish	269	222	SCALES		0	PIT	900026000154678
	0109	4	4591	Mountain whitefish	291	298	SCALES		2	PIT	965000000088654
	0109	4	4592	Mountain whitefish	294	296	SCALES		0	PIT	900026000053977
	0109	4	4593	Bull trout	250	130	SCALES/FIN RAY	3	0	PIT	900026000148749
	0109	4	4594	Mountain whitefish	313	328	SCALES		2	PIT	900026000061069
	0109	4	4595	Mountain whitefish	315	350	SCALES		0	PIT	900026000051498
	0109	4	4596	Mountain whitefish	275	254	SCALES		0	PIT	900026000147736
	0109	4	4597	Mountain whitefish	295	250	SCALES		0	PIT	900026000052222
	0109	4	4598	Mountain whitefish	303	318	SCALES		0	PIT	900026000154746
	0109	4	4599	Mountain whitefish	207	108	SCALES		0		
	0109	4	4600	Mountain whitefish	285	268	SCALES	6	0	PIT	900026000147758
	0111	4	4601	Mountain whitefish	428	664	SCALES		2	PIT	965000000245790
	0111	4	4602	Mountain whitefish	282	260	SCALES		0	PIT	900026000147547

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0111	4	4603	Mountain whitefish	284	274	SCALES		0	PIT	900026000147792
	0111	4	4604	Mountain whitefish	274	244	SCALES		0	PIT	900026000035155
	0111	4	4605	Mountain whitefish	318	316	SCALES		2	PIT	965000000084712
	0111	4	4606	Mountain whitefish	312	360	SCALES		0	PIT	900026000154505
	0111	4	4607	Mountain whitefish	287	288	SCALES		0	PIT	900026000154762
	0111	4	4608	Mountain whitefish	274	274	SCALES		0	PIT	900026000155171
	0111	4	4609	Mountain whitefish	302	328	SCALES		0	PIT	900026000155382
	0111	4	4610	Mountain whitefish	289	324	SCALES		0	PIT	900026000147707
	0111	4	4611	Mountain whitefish	258	200	SCALES		0	PIT	900026000155175
	0111	4	4612	Mountain whitefish	329	416	SCALES		0	PIT	900026000155321
	0111	4	4613	Mountain whitefish	277	274	SCALES		0	PIT	900026000155396
	0113	4	4614	Mountain whitefish	267	242	SCALES		0	PIT	900026000154909
	0113	4	4615	Mountain whitefish	279	288	SCALES		2	PIT	900026000061768
	0113	4	4616	Mountain whitefish	272	252	SCALES		0	PIT	900026000147003
	0113	4	4617	Mountain whitefish	251	186	SCALES		0	PIT	900026000155397
	0113	4	4618	Mountain whitefish	262	198	SCALES		0	PIT	900026000053552
	0113	4	4619	Mountain whitefish	277	284	SCALES		0	PIT	900026000154716
	0113	4	4620	Mountain whitefish	255	216	SCALES		0	PIT	900026000035289
	0113	4	4621	Mountain whitefish	280	262	SCALES		0	PIT	900026000155197
	0113	4	4622	Mountain whitefish	308	328	SCALES		0	PIT	900026000154992
	0113	4	4623	Mountain whitefish	265	240	SCALES		0	PIT	900026000147136
	0113	4	4624	Mountain whitefish	272	288	SCALES		0	PIT	965000000281713
	0113	4	4625	Mountain whitefish	274	216	SCALES		0	PIT	900026000154779
	0113	4	4626	Mountain whitefish	261	220	SCALES		0	PIT	900026000154756
	0113	4	4627	Mountain whitefish	231	152	SCALES		0		
	0113	4	4628	Mountain whitefish	293	344	SCALES		0	PIT	900026000063411
	0113	4	4629	Mountain whitefish	261	238	SCALES		0	PIT	900026000154956
	0113	4	4630	Mountain whitefish	287	298	SCALES		0	PIT	900026000147785
	0113	4	4631	Mountain whitefish	285	298	SCALES		2	PIT	900026000052706
	0113	4	4632	Mountain whitefish	282	246	SCALES		2	PIT	900026000147091
	0113	4	4633	Mountain whitefish	286	272	SCALES		0	PIT	900026000155298
	0113	4	4634	Mountain whitefish	262	224	SCALES		0	PIT	900026000155160
	0113	4	4635	Mountain whitefish	336	390	SCALES		2	PIT	4D00032526
	0113	4	4636	Mountain whitefish	255	192	SCALES		0	PIT	900026000083459
	0113	4	4637	Mountain whitefish	260	216	SCALES		0	PIT	900026000155311
	0113	4	4638	Mountain whitefish	301	296	SCALES	5	0	PIT	900026000147253
	0113	4	4639	Mountain whitefish	304	350	SCALES		2	PIT	900026000083739
	0113	4	4640	Mountain whitefish	284	268	SCALES	4	0	PIT	900026000154702
	0113	4	4641	Mountain whitefish	310	352	SCALES		2	PIT	965000000238244
	0113	4	4642	Mountain whitefish	294	336	SCALES	5	0	PIT	900026000055677
	0113	4	4643	Mountain whitefish	277	254	SCALES		0	PIT	900026000155176
	0113	4	4644	Mountain whitefish	285	282	SCALES		0	PIT	900026000053634
	0113	4	4645	Mountain whitefish	271	266	SCALES/OTOLITH		9		
	0113	4	4646	Mountain whitefish	281	278	SCALES/OTOLITH	5	9		
	0102	4	4647	Mountain whitefish	329	424	SCALES		0	PIT	900026000147701
	0102	4	4648	Mountain whitefish	300	284	SCALES	6	0	PIT	900026000155305
	0102	4	4649	Mountain whitefish	308	370	SCALES		0	PIT	900026000054018
	0102	4	4650	Mountain whitefish	291	328	SCALES		0	PIT	900026000147986
	0102	4	4651	Mountain whitefish	335	352	SCALES		0	PIT	900026000051557
	0102	4	4652	Mountain whitefish	304	308	SCALES		0	PIT	900026000155353
	0102	4	4653	Mountain whitefish	305	326	SCALES		2	PIT	965000000281155

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0102	4	4654	Mountain whitefish	333	446	SCALES		0	PIT	900026000154866
	0102	4	4655	Mountain whitefish	312	318	SCALES		2	PIT	900026000052992
	0102	4	4656	Mountain whitefish	293	332	SCALES		2	PIT	965000000281619
	0102	4	4657	Mountain whitefish	337	454	SCALES		0	PIT	900026000154964
	0102	4	4658	Mountain whitefish	302	332	SCALES		0	PIT	900026000154593
	0102	4	4659	Mountain whitefish	302	342	SCALES		0	PIT	900026000147657
	0102	4	4660	Mountain whitefish	346	498	SCALES		2	PIT	965000000245523
	0102	4	4661	Mountain whitefish	305	338	SCALES		0	PIT	900026000154887
	0102	4	4662	Mountain whitefish	263	238	SCALES		0	PIT	900026000147459
	0102	4	4663	Mountain whitefish	264	244	SCALES		0	PIT	900026000155409
	0102	4	4664	Mountain whitefish	330	416	SCALES		2	PIT	965000000106847
	0102	4	4665	Mountain whitefish	308	378	SCALES		0	PIT	900026000055237
	0102	4	4666	Mountain whitefish	327	430	SCALES	7	0	PIT	900026000154912
	0102	4	4667	Mountain whitefish	270	244	SCALES		0	PIT	900026000147217
	0102	4	4668	Mountain whitefish	364	604	SCALES		0	PIT	900026000155456
	0102	4	4669	Mountain whitefish	254	208	SCALES		0	PIT	900026000154782
	0102	4	4670	Mountain whitefish	296	324	SCALES		0	PIT	900026000155053
	0102	4	4671	Mountain whitefish	338	524	SCALES		0	PIT	900026000147744
	0102	4	4672	Mountain whitefish	288	288	SCALES		0		
	0102	4	4673	Mountain whitefish	286	296	SCALES		0	PIT	900026000035474
	0102	4	4674	Mountain whitefish	250	224	SCALES		0	PIT	900026000154562
	0102	4	4675	Mountain whitefish	294	306	SCALES		0	PIT	900026000147755
	0102	4	4676	Mountain whitefish	304	326	SCALES		5	PIT	900026000155428
	0102	4	4677	Mountain whitefish	305	342	SCALES		0	PIT	900026000155460
	0102	4	4678	Mountain whitefish	333	380	SCALES		2	PIT	965000000069019
	0102	4	4679	Mountain whitefish	279	284	SCALES		0	PIT	900026000154925
	0102	4	4680	Mountain whitefish	334	388	SCALES		0	PIT	900026000154916
	0102	4	4681	Mountain whitefish	332	388	SCALES		0	PIT	900026000147187
	0102	4	4682	Mountain whitefish	323	314	SCALES		0	PIT	900026000147484
	0102	4	4683	Mountain whitefish	311	356	SCALES		0	PIT	900026000154753
	0102	4	4684	Mountain whitefish	282	284	SCALES		2	PIT	900026000052796
	0102	4	4685	Mountain whitefish	286	308	SCALES		2	PIT	900026000146035
	0102	4	4686	Mountain whitefish	261	216	SCALES		2	PIT	900026000186394
	0102	4	4687	Mountain whitefish	290	322	SCALES		0	PIT	900026000054062
	0102	4	4688	Mountain whitefish	275	208	SCALES		0	PIT	900026000155477
	0102	4	4689	Mountain whitefish	309	350	SCALES		2	PIT	965000000091357
	0102	4	4690	Mountain whitefish	294	362	SCALES		0	PIT	900026000155130
	0102	4	4691	Mountain whitefish	272	274	SCALES		0	PIT	900026000154557
	0102	4	4692	Mountain whitefish	323	370	SCALES	5	0	PIT	900026000154793
	0102	4	4693	Mountain whitefish	274	278	SCALES		0	PIT	900026000055778
	0102	4	4694	Mountain whitefish	282	278	SCALES		0	PIT	900026000054048
	0102	4	4695	Mountain whitefish	311	392	SCALES		2	PIT	965000000068254
	0102	4	4696	Mountain whitefish	271	274	SCALES		0	PIT	900026000051321
	0102	4	4697	Mountain whitefish	323	416	SCALES/OTOLITH		9		
	0102	4	4698	Mountain whitefish	287	318	SCALES/OTOLITH		9		
	0112	4	4699	Mountain whitefish	248	204	SCALES		0		
	0112	4	4700	Mountain whitefish	327	336	SCALES		2	PIT	900026000083911
	0112	4	4701	Mountain whitefish	304	340	SCALES		2	PIT	900026000052187
	0112	4	4702	Mountain whitefish	316	362	SCALES		0	PIT	900026000055937
	0112	4	4703	Mountain whitefish	260	242	SCALES		0	PIT	900026000154772
	0112	4	4704	Mountain whitefish	274	260	SCALES		0	PIT	900026000147162

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0112	4	4705	Mountain whitefish	271	252	SCALES		0	PIT	900026000154559
	0112	4	4706	Mountain whitefish	255	198	SCALES		0	PIT	900026000051620
	0112	4	4707	Mountain whitefish	264	232	SCALES		0	PIT	900026000154886
	0112	4	4708	Mountain whitefish	258	200	SCALES		0	PIT	900026000154657
	0112	4	4709	Mountain whitefish	254	222	SCALES		2	PIT	900026000052458
	0112	4	4710	Mountain whitefish	268	218	SCALES		0	PIT	900026000154930
	0112	4	4711	Mountain whitefish	427	814	SCALES		0	PIT	900026000154579
	0112	4	4712	Mountain whitefish	305	352	SCALES		2	PIT	900026000083739
	0112	4	4713	Mountain whitefish	343	272	SCALES		0	PIT	900026000154715
	0112	4	4714	Mountain whitefish	284	250	SCALES		2	PIT	900026000083682
	0112	4	4715	Mountain whitefish	313	340	SCALES		2	PIT	965000000068496
	0112	4	4716	Mountain whitefish	283	244	SCALES		0	PIT	900026000051694
	0112	4	4717	Mountain whitefish	227	144	SCALES		0		
	0112	4	4718	Mountain whitefish	264	234	SCALES		0	PIT	900026000147077
	0112	4	4719	Mountain whitefish	243	168	SCALES		0		
	0112	4	4720	Mountain whitefish	254	220	SCALES	3	0	PIT	900026000186636
	0112	4	4721	Mountain whitefish	224	108	SCALES		0		
	0112	4	4722	Mountain whitefish	282	258	SCALES		2	PIT	900026000083761
	0112	4	4723	Mountain whitefish	227	134	SCALES		0		
	0112	4	4724	Rainbow trout	153	42	SCALES		0		
	0112	4	4725	Rainbow trout	347	478	SCALES		0	PIT	900026000188720
	0112	4	4726	Mountain whitefish	252	216	SCALES		4	PIT	900026000186876
	0112	4	4727	Mountain whitefish	307	320	SCALES		0	PIT	900026000188920
	0112	4	4728	Mountain whitefish	267	244	SCALES		0	PIT	900026000188739
	0112	4	4729	Mountain whitefish	293	288	SCALES	5	2	PIT	965000000073136
	0112	4	4730	Mountain whitefish	267	214	SCALES		2	PIT	900026000186639
	0112	4	4731	Mountain whitefish	258	208	SCALES		0	PIT	900026000187976
	0112	4	4732	Mountain whitefish	293	268	SCALES		2	PIT	900026000061205
	0112	4	4733	Mountain whitefish	299	372	SCALES/OTOLITH		9		
	0112	4	4734	Mountain whitefish	290	332	SCALES/OTOLITH		3	PIT	900026000051895
	0112	4	4735	Mountain whitefish	254	202	SCALES/OTOLITH		9		
	0103	5	6247	Bull trout	265		SCALES/FIN RAY	3	0	PIT	999999999999999
	0103	5	6248	Bull trout	295	242	SCALES/FIN RAY	3	0	PIT	900026000054024
	0105	5	6249	Bull trout	262	218	SCALES/FIN RAY	3	0	PIT	900026000147422
	0102	5	6250	Bull trout	290	322	SCALES/FIN RAY	3	0	PIT	900026000147523
	0102	5	6251	Mountain whitefish	275	292	SCALES/OTOLITH		9		
	0109	5	6252	Mountain whitefish	370	638	SCALES/OTOLITH		9		
	0111	5	6253	Bull trout	249	162	SCALES/FIN RAY	3	0	PIT	900026000155236
	0112	5	6254	Mountain whitefish	293	344	SCALES/OTOLITH		3	PIT	965000000104759
	0114	5	6255	Bull trout	282	210	SCALES/FIN RAY	3	0	PIT	900026000155159
	0114	5	6256	Bull trout	524	1626	FIN RAY	6	0	PIT	900026000051638
	0103	6	6303	Bull trout	331	400	FIN RAY	5	0	PIT	900026000154870
	0103	6	6304	Bull trout	342	452	FIN RAY	4	0	PIT	900026000154623
	0103	6	6305	Bull trout	249	200	SCALES/FIN RAY	4	0	PIT	900026000154527
	0103	6	6306	Bull trout	231	148	SCALES/FIN RAY	3	0	PIT	900026000154794
	0103	6	6307	Mountain whitefish	364	528	SCALES/OTOLITH		9		
	0105	6	6308	Bull trout	277	230	SCALES/FIN RAY	4	0	PIT	900026000155040
	0105	6	6309	Bull trout	656	2640	FIN RAY	8	0	PIT	900026000154680
	0101	6	6310	Mountain whitefish	378	654	SCALES/OTOLITH		9		
	0119	6	6311	Bull trout	486	1212	FIN RAY	5	0	PIT	900026000053938
	0110	6	6312	Mountain whitefish	310	304	SCALES/OTOLITH	5	3	PIT	900026000055156

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0110	6	6313	Mountain whitefish	312	372	SCALES/OTOLITH	9			
	0110	6	6314	Mountain whitefish	432	1024	SCALES/OTOLITH	9			
	0109	6	6315	Bull trout	286	256	SCALES/FIN RAY	3	0	PIT	900026000083900
	0109	6	6316	Bull trout	288	206	SCALES/FIN RAY	4	0	PIT	900026000154514
	0109	6	6317	Mountain whitefish	411	648	SCALES/OTOLITH	9			
	0109	6	6318	Mountain whitefish	357	416	SCALES/OTOLITH	8	9		
	0109	6	6319	Mountain whitefish	302	306	SCALES/OTOLITH	9			
	0109	6	6320	Mountain whitefish	332	390	SCALES/OTOLITH	9			
	0111	6	6321	Mountain whitefish	279	248	SCALES/OTOLITH	9			
	0111	6	6322	Mountain whitefish	287	286	SCALES/OTOLITH	9			
	0112	6	6323	Mountain whitefish	346	318	SCALES/OTOLITH	9			
	0116	6	6324	Bull trout	817	6190	FIN RAY	9	0	PIT	900026000051210
	0104	1	6376	White sucker	372	626			0		
	0105	1	6377	White sucker	364	586			0		
	0108	1	6378	Longnose sucker	356	562			0		
	0108	1	6379	Largescale sucker	463	1236			0		
	0108	1	6380	Longnose sucker	356	554			0		
	0108	1	6381	Longnose sucker	439	854			0		
	0108	1	6382	Largescale sucker	452	1044			0		
	0108	1	6383	White sucker	399	818			0		
	0109	1	6384	Largescale sucker	498	1634			0		
	0109	1	6385	White sucker	407	954			0		
	0109	1	6386	Longnose sucker	427	940			0		
	0109	1	6387	Longnose sucker	383	652			0		
	0109	1	6388	Longnose sucker	392	674			0		
	0109	1	6389	Longnose sucker	444	1072			0		
	0109	1	6390	White sucker	390	696			0		
	0113	1	6391	White sucker	387	678			0		
	0113	1	6392	Kokanee	205	108			0		
	0112	1	6393	Longnose sucker	385	732			0		
	0112	1	6394	Longnose sucker	432	1048			0		
	0112	1	6395	White sucker	420	1016			0		
	0114	1	6396	Largescale sucker	475	1414			0		
	0114	1	6397	White sucker	416	842			0		
	0103	2	6798	White sucker	447	1176			0		
	0105	2	6799	Kokanee	203	86			0		
	0105	2	6800	White sucker	425	980			0		
	0119	2	6801	Kokanee	195	94			0		
	0111	2	6802	Kokanee	160	38			0		
	0109	2	6803	Largescale sucker	457	1188			0		
	0109	2	6804	White sucker	398	794			0		
	0111	3	7130	Kokanee	200	88			0		
	0113	3	7131	Longnose sucker	369	484			0		
	0112	3	7132	White sucker	408	844			0		
	0114	3	7133	Kokanee	195	50			0		
	0104	3	7134	Largescale sucker	482	1284			0		
	0103	3	7135	Kokanee	147	30			0		
	0103	3	7136	Kokanee	198	90			0		
	0119	3	7137	Kokanee	201	68			0		
	0119	3	7138	Kokanee	181	60			0		
	0119	3	7139	Kokanee	171	40			0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0103	4	7341	White sucker	399	890		0			
	0103	4	7342	Kokanee	239	164		0			
	0119	4	7343	Kokanee	214	88		0			
	0119	4	7344	Kokanee	163	48		0			
	0107	4	7345	Kokanee	210	100		0			
	0107	4	7346	Kokanee	204	86		0			
	0107	4	7347	Longnose sucker	193	98		0			
	0108	4	7348	Northern pikeminnow	388	724		0			
	0110	4	7349	Longnose sucker	433	896		0			
	0109	4	7350	Peamouth	212	108		0			
	0111	4	7351	Largescale sucker	467	1398		0			
	0111	4	7352	Kokanee	193	74		0			
	0111	4	7353	Kokanee	194	88		0			
	0104	5	7480	Mountain whitefish	388			2	PIT	900026000063705	
	0104	5	7481	Mountain whitefish	258			2	PIT	900026000155252	
	0104	5	7482	Mountain whitefish	313			2	PIT	900026000064441	
	0104	5	7483	Mountain whitefish	273			2	PIT	900026000063298	
	0104	5	7484	Mountain whitefish	313			2	PIT	965000000241158	
	0104	5	7485	Mountain whitefish	258			2	PIT	900026000057154	
	0104	5	7486	Mountain whitefish	331			2	PIT	900026000146125	
	0103	5	7487	Rainbow trout	322			0			
	0103	5	7488	Mountain whitefish	285			2	PIT	900026000083346	
	0103	5	7489	Mountain whitefish	336			2	PIT	900026000148485	
	0103	5	7490	Mountain whitefish	266			2	PIT	900026000184220	
	0103	5	7491	Mountain whitefish	313			2	PIT	900026000062061	
	0103	5	7492	Mountain whitefish	264			2	PIT	900026000052830	
	0103	5	7493	Mountain whitefish	322			2	PIT	965000000242818	
	0103	5	7494	Mountain whitefish	270			2	PIT	900026000061121	
	0103	5	7495	Mountain whitefish	276			2	PIT	900026000063298	
	0103	5	7496	Mountain whitefish	322			2	FLOY	9430 YELLOW	
	0103	5	7497	Mountain whitefish	314			2	PIT	900026000055962	
	0105	5	7498	Mountain whitefish	318			2	PIT	900026000054009	
	0105	5	7499	Mountain whitefish	307			2	PIT	965000000241778	
	0105	5	7500	Mountain whitefish	254			2	PIT	900026000057232	
	0105	5	7501	Mountain whitefish	322			2	PIT	965000000244816	
	0105	5	7502	Mountain whitefish	262			2	PIT	900026000055412	
	0105	5	7503	Mountain whitefish	346			2	PIT	965000000238901	
	0105	5	7504	Mountain whitefish	274			2	PIT	900026000083874	
	0105	5	7505	Mountain whitefish	267			2	PIT	900026000146287	
	0105	5	7506	Mountain whitefish	268			2	PIT	900026000155474	
	0105	5	7507	Rainbow trout	321			0			
	0101	5	7508	Mountain whitefish	342			2	PIT	965000000085412	
	0101	5	7509	Mountain whitefish	275			2	PIT	900026000188803	
	0101	5	7510	Mountain whitefish	281			2	PIT	965000000072617	
	0101	5	7511	Mountain whitefish	298			2	PIT	900026000155376	
	0101	5	7512	Mountain whitefish	302			2	PIT	900026000033577	
	0101	5	7513	Mountain whitefish	297			2	PIT	900026000186358	
	0101	5	7514	Mountain whitefish	286			2	PIT	900026000065222	
	0101	5	7515	Mountain whitefish	357			2	PIT	965000000246276	
	0101	5	7516	Mountain whitefish	271			2	PIT	900026000083286	
	0101	5	7517	Mountain whitefish	284			2	PIT	965000000072146	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
		0101	5	7518	Mountain whitefish	278		2	PIT	900026000055212	
		0101	5	7519	Mountain whitefish	268		2	PIT	900026000155481	
		0101	5	7520	Mountain whitefish	344		2	PIT	900026000063583	
		0101	5	7521	Mountain whitefish	301		2	PIT	900026000034924	
		0101	5	7522	Mountain whitefish	337		2	PIT	965000000089777	
		0101	5	7523	Mountain whitefish	291		2	PIT	900026000056231	
		0101	5	7524	Mountain whitefish	282		2	PIT	900026000148687	
		0101	5	7525	Mountain whitefish	297		2	PIT	965000000077650	
		0101	5	7526	Mountain whitefish	284		2	PIT	900026000061855	
		0101	5	7527	Mountain whitefish	304		2	PIT	900026000186646	
		0101	5	7528	Mountain whitefish	293		2	PIT	965000000072897	
		0101	5	7529	Mountain whitefish	338		2	PIT	900026000061545	
		0101	5	7530	Mountain whitefish	306		2	PIT	900026000147981	
		0102	5	7531	Mountain whitefish	288		2	PIT	900026000056506	
		0102	5	7532	Mountain whitefish	346		2	PIT	965000000091542	
		0102	5	7533	Mountain whitefish	332		2	FLOY	14188	WHITE
		0102	5	7534	Mountain whitefish	290		2	PIT	965000000083999	
		0102	5	7535	Mountain whitefish	351		2	PIT	965000000247061	
		0102	5	7536	Mountain whitefish	307		2	PIT	900026000054355	
		0102	5	7537	Mountain whitefish	327		2	PIT	900026000147618	
		0102	5	7538	Mountain whitefish	295		2	PIT	900026000052169	
		0102	5	7539	Mountain whitefish	275		2	PIT	900026000053914	
		0102	5	7540	Mountain whitefish	304		2	PIT	965000000093715	
		0102	5	7541	Mountain whitefish	326		2	PIT	965000000081697	
		0102	5	7542	Mountain whitefish	328		2	PIT	900026000055134	
		0102	5	7543	Mountain whitefish	285		2	PIT	900026000054463	
		0102	5	7544	Mountain whitefish	325		2	PIT	900026000053990	
		0102	5	7545	Mountain whitefish	323		2	PIT	900026000147467	
		0119	5	7546	Mountain whitefish	298		2	PIT	965000000246776	
		0119	5	7547	Mountain whitefish	277		2	PIT	900026000148990	
		0119	5	7548	Mountain whitefish	294		2	PIT	965000000086103	
		0119	5	7549	Mountain whitefish	345		2	PIT	900026000053945	
		0119	5	7550	Mountain whitefish	306		2	PIT	900026000148686	
		0107	5	7551	Mountain whitefish	289		2	PIT	900026000052588	
		0108	5	7552	Mountain whitefish	300		2	PIT	900026000061993	
		0109	5	7553	Mountain whitefish	297		2	PIT	965000000246984	
		0109	5	7554	Mountain whitefish	302		2	PIT	900026000053361	
		0109	5	7555	Mountain whitefish	315		2	PIT	900026000051498	
		0109	5	7556	Mountain whitefish	328		2	PIT	965000000080384	
		0109	5	7557	Mountain whitefish	338		2	PIT	900026000056039	
		0109	5	7558	Mountain whitefish	292		2	PIT	900026000148333	
		0110	5	7559	Mountain whitefish	340		2	PIT	900026000060761	
		0110	5	7560	Mountain whitefish	299		2	PIT	900026000056208	
		0110	5	7561	Mountain whitefish	318		2	PIT	965000000282372	
		0110	5	7562	Lake trout	615		0			
		0111	5	7563	Mountain whitefish	316		2	PIT	900026000064399	
		0111	5	7564	Mountain whitefish	308		2	PIT	900026000155382	
		0111	5	7565	Mountain whitefish	313		2	PIT	900026000052297	
		0113	5	7566	Mountain whitefish	319		2	PIT	965000000242945	
		0113	5	7567	Mountain whitefish	277		2	PIT	900026000154779	
		0113	5	7568	Mountain whitefish	304		2	PIT	900026000065553	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
		0113	5	7569	Mountain whitefish	317		2	PIT	965000000242007	
		0113	5	7570	Mountain whitefish	273		2	PIT	900026000052434	
		0116	5	7571	Mountain whitefish	289		2	PIT	900026000064262	
		0116	5	7572	Mountain whitefish	277		2	PIT	965000000093871	
		0116	5	7573	Mountain whitefish	264		2	PIT	900026000154909	
		0116	5	7574	Mountain whitefish	299		2	PIT	900026000064953	
		0112	5	7575	Mountain whitefish	274		2	PIT	900026000154559	
		0112	5	7576	Mountain whitefish	302		2	PIT	900026000060660	
		0112	5	7577	Mountain whitefish	284		2	PIT	965000000089496	
		0112	5	7578	Mountain whitefish	317		2	PIT	900026000148478	
		0112	5	7579	Mountain whitefish	277		2	PIT	900026000052109	
		0112	5	7580	Mountain whitefish	291		2	PIT	965000000107288	
		0112	5	7581	Mountain whitefish	322		2	PIT	900026000083852	
		0114	5	7582	Mountain whitefish	258		2	PIT	900026000155142	
		0114	5	7583	Mountain whitefish	264		2	PIT	900026000083396	
		0114	5	7584	Mountain whitefish	297		2	PIT	965000000282362	
		0114	5	7585	Mountain whitefish	278		2	PIT	965000000280947	
		0114	5	7586	Mountain whitefish	342		2	PIT	0A00717619	
		0114	5	7587	Mountain whitefish	277		2	PIT	965000000093871	
		0114	5	7588	Mountain whitefish	275		2	PIT	900026000083356	
		0114	5	7589	Mountain whitefish	292		2	PIT	965000000080504	
		0114	5	7590	Mountain whitefish	305		2	PIT	900026000186259	
		0104	6	9327	Mountain whitefish	299		2	PIT	900026000065188	
		0104	6	9328	Mountain whitefish	324		2	PIT	900026000155158	
		0104	6	9329	Mountain whitefish	293		2	PIT	900026000184832	
		0104	6	9330	Mountain whitefish	314		2	PIT	965000000080997	
		0104	6	9331	Mountain whitefish	314		2	PIT	965000000068948	
		0104	6	9332	Mountain whitefish	307		2	PIT	900026000148538	
		0104	6	9333	Mountain whitefish	292		2	PIT	900026000083561	
		0104	6	9334	Mountain whitefish	262		2	PIT	900026000057154	
		0103	6	9335	Mountain whitefish	289		2	PIT	900026000061924	
		0103	6	9336	Mountain whitefish	411		2	PIT	965000000239850	
		0103	6	9337	Mountain whitefish	258		2	PIT	900026000184220	
		0103	6	9338	Mountain whitefish	261		2	PIT	900026000147186	
		0105	6	9339	Mountain whitefish	353		2	PIT	965000000240054	
		0105	6	9340	Mountain whitefish	284		2	PIT	900026000054010	
		0101	6	9341	Mountain whitefish	301		2	PIT	965000000083552	
		0101	6	9342	Mountain whitefish	343		2	PIT	900026000054103	
		0101	6	9343	Mountain whitefish	308		2	PIT	0A00735828	
		0101	6	9344	Mountain whitefish	259		2	PIT	900026000051173	
		0101	6	9345	Mountain whitefish	282		2	PIT	965000000282731	
		0101	6	9346	Mountain whitefish	280		2	PIT	965000000092037	
		0101	6	9347	Mountain whitefish	296		2	PIT	965000000087024	
		0101	6	9348	Mountain whitefish	290		2	PIT	900026000083639	
		0101	6	9349	Mountain whitefish	264		2	PIT	900026000051776	
		0101	6	9350	Mountain whitefish	283		2	PIT	965000000239163	
		0101	6	9351	Mountain whitefish	262		2	PIT	900026000155131	
		0101	6	9352	Mountain whitefish	290		2	PIT	965000000281121	
		0101	6	9353	Mountain whitefish	272		2	PIT	900026000065150	
		0101	6	9354	Mountain whitefish	295		2	PIT	965000000077650	
		0101	6	9355	Mountain whitefish	284		2	PIT	900026000188820	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0101	6	9356	Mountain whitefish	315			2	PIT	900026000148743	
	0101	6	9357	Mountain whitefish	317			2	FLOY	9448	YELLOW
	0101	6	9358	Bull trout	291			2	PIT	900026000147523	
	0102	6	9359	Mountain whitefish	335			2	PIT	965000000077518	
	0102	6	9360	Mountain whitefish	332			2	PIT	900026000054568	
	0102	6	9361	Mountain whitefish	261			2	PIT	965000000282039	
	0102	6	9362	Mountain whitefish	283			2	PIT	900026000051300	
	0102	6	9363	Mountain whitefish	317			2	FLOY	12996	WHITE
	0102	6	9364	Mountain whitefish	308			2	PIT	965000000280981	
	0102	6	9365	Mountain whitefish	307			2	PIT	900026000146105	
	0102	6	9366	Mountain whitefish	334			2	PIT	965000000282319	
	0102	6	9367	Mountain whitefish	343			2	PIT	900026000063946	
	0119	6	9368	Mountain whitefish	311			2	PIT	900026000148263	
	0119	6	9369	Rainbow trout	327			0			
	0119	6	9370	Rainbow trout	136			0			
	0107	6	9371	Mountain whitefish	323			2	PIT	900026000061428	
	0107	6	9372	Mountain whitefish	291			2	PIT	900026000061957	
	0107	6	9373	Mountain whitefish	271			2	PIT	900026000155208	
	0108	6	9374	Mountain whitefish	416			2	FLOY	11888	WHITE
	0108	6	9375	Mountain whitefish	337			2	FLOY	15085	WHITE
	0110	6	9376	Mountain whitefish	327			2	PIT	965000000282123	
	0110	6	9377	Mountain whitefish	343			2	PIT	965000000111993	
	0110	6	9378	Mountain whitefish	285			2	PIT	900026000035052	
	0110	6	9379	Mountain whitefish	278			2	PIT	965000000281488	
	0110	6	9380	Mountain whitefish	272			2	PIT	900026000155208	
	0110	6	9381	Mountain whitefish	299			2	PIT	965000000093058	
	0110	6	9382	Kokanee	209			0			
	0110	6	9383	Kokanee	200			0			
	0110	6	9384	Mountain whitefish	302			2	PIT	900026000063890	
	0109	6	9385	Mountain whitefish	281			2	PIT	900026000053995	
	0109	6	9386	Mountain whitefish	290			2	PIT	965000000092383	
	0109	6	9387	Mountain whitefish	286			2	PIT	900026000061987	
	0109	6	9388	Mountain whitefish	282			2	PIT	900026000035052	
	0109	6	9389	Mountain whitefish	260			2	PIT	900026000154678	
	0109	6	9390	Mountain whitefish	304			2	PIT	965000000093091	
	0109	6	9391	Mountain whitefish	287			2	PIT	900026000148506	
	0109	6	9392	Mountain whitefish	280			2	PIT	965000000090660	
	0109	6	9393	Mountain whitefish	336			2	PIT	900026000148762	
	0109	6	9394	Mountain whitefish	280			2	PIT	900026000148726	
	0109	6	9395	Mountain whitefish	322			2	PIT	965000000242106	
	0113	6	9396	Mountain whitefish	293			2	PIT	965000000081715	
	0113	6	9397	Mountain whitefish	350			2	PIT	900026000061038	
	0113	6	9398	Mountain whitefish	282			2	PIT	900026000083219	
	0112	6	9399	Mountain whitefish	315			2	PIT	965000000071299	
	0112	6	9400	Mountain whitefish	293			2	PIT	900026000062012	
	0112	6	9401	Mountain whitefish	337			2	PIT	965000000242550	
	0112	6	9402	Mountain whitefish	278			2	PIT	900026000146996	
	0112	6	9403	Mountain whitefish	284			2	PIT	900026000055302	
	0112	6	9404	Mountain whitefish	282			2	PIT	900026000051694	
	0112	6	9405	Rainbow trout	449			0			
	0112	6	9406	Mountain whitefish	318			2	PIT	900026000148478	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
1											
	0112	6	9407	Mountain whitefish	303			2	PIT	900026000064138	
	0112	6	9408	Mountain whitefish	257			2	PIT	900026000084132	
	0112	6	9409	Mountain whitefish	311			2	PIT	965000000068496	
	0112	6	9410	Mountain whitefish	292			2	PIT	900026000055266	
	0112	6	9411	Mountain whitefish	265			2	PIT	900026000155314	
	0112	6	9412	Mountain whitefish	291			2	PIT	965000000072136	
	0112	6	9413	Mountain whitefish	272			2	PIT	900026000154559	
	0112	6	9414	Mountain whitefish	291			2	PIT	965000000093114	
	0112	6	9415	Mountain whitefish	302			2	PIT	900026000057477	
	0112	6	9416	Mountain whitefish	288			2	PIT	965000000072365	
	0112	6	9417	Mountain whitefish	288			2	PIT	900026000053182	
	0116	6	9418	Mountain whitefish	268			2	PIT	900026000147157	
	0116	6	9419	Mountain whitefish	277			2	PIT	900026000148223	
	0116	6	9420	Mountain whitefish	304			2	PIT	965000000069424	
	0114	6	9421	Mountain whitefish	296			2	PIT	900026000053789	
	0114	6	9422	Mountain whitefish	294			2	PIT	965000000080007	
	0114	6	9423	Mountain whitefish	300			2	PIT	900026000186660	
	0114	6	9424	Mountain whitefish	284			2	PIT	965000000070659	
	0114	6	9425	Mountain whitefish	293			2	PIT	965000000092296	
	0114	6	9426	Mountain whitefish	315			2	PIT	965000000237888	
	0114	6	9427	Mountain whitefish	268			2	PIT	900026000154831	
	0114	6	9428	Mountain whitefish	293			2	PIT	900026000061367	
	0114	6	9429	Mountain whitefish	306			2	FLOY		9851 YELLOW
	0114	6	9430	Mountain whitefish	267			2	PIT	900026000146180	
	0114	6	9431	Mountain whitefish	265			2	PIT	965000000068013	
	0114	6	9432	Mountain whitefish	424			2	PIT	965000000078349	
	0114	6	9433	Mountain whitefish	271			2	PIT	900026000084109	
	0114	6	9434	Mountain whitefish	269			2	PIT	900026000148702	
	0114	6	9435	Mountain whitefish	284			2	PIT	900026000147399	
	0114	6	9436	Mountain whitefish	317			2	PIT	900026000148045	
	0114	6	9437	Mountain whitefish	277			2	PIT	900026000147788	
	0114	6	9438	Mountain whitefish	282			2	PIT	965000000006156	
	0114	6	9439	Mountain whitefish	277			2	PIT	900026000063952	
	0114	6	9440	Mountain whitefish	276			2	PIT	900026000083356	
	0114	6	9441	Mountain whitefish	272			2	PIT	965000000086887	
3											
	0302	1	486	Rainbow trout	222	138	SCALES		0		
	0302	1	487	Bull trout	270	228	SCALES/FIN RAY	3	0	PIT	900026000155367
	0302	1	488	Bull trout	445	786	FIN RAY	5	0	PIT	900026000148357
	0302	1	489	Bull trout	447	896	FIN RAY	5	0	PIT	900026000147048
	0302	1	490	Mountain whitefish	283	244	SCALES		2	PIT	965000000243349
	0302	1	491	Mountain whitefish	294	264	SCALES		0	PIT	900026000051783
	0302	1	492	Mountain whitefish	310	296	SCALES		0	PIT	900026000147387
	0302	1	493	Mountain whitefish	297	256	SCALES		2	PIT	900026000083737
	0302	1	494	Mountain whitefish	366	390	SCALES		2	PIT	965000000244784
	0302	1	495	Mountain whitefish	238	146	SCALES		0		
	0302	1	496	Mountain whitefish	233	156	SCALES		0		
	0302	1	497	Mountain whitefish	232	132	SCALES		0		
	0302	1	498	Mountain whitefish	235	192	SCALES		0		
	0302	1	499	Mountain whitefish	297	252	SCALES		0	PIT	900026000147810
	0302	1	500	Mountain whitefish	300	248	SCALES		0	PIT	900026000055209
	0302	1	501	Mountain whitefish	305	298	SCALES		2	PIT	965000000244104

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0302	1	502	Mountain whitefish	407	650	SCALES		0	PIT	900026000148489	
0302	1	503	Mountain whitefish	283	202	SCALES		0	PIT	900026000147553	
0302	1	504	Mountain whitefish	283	232	SCALES		0	PIT	900026000147689	
0302	1	505	Mountain whitefish	313	270	SCALES		0	PIT	900026000035326	
0302	1	506	Mountain whitefish	264	226	SCALES	5	0	PIT	900026000148805	
0302	1	507	Mountain whitefish	341	420	SCALES		2	PIT	965000000069281	
0302	1	508	Mountain whitefish	315	280	SCALES		0	PIT	900026000147773	
0302	1	509	Mountain whitefish	312	294	SCALES		0	PIT	900026000147497	
0302	1	510	Mountain whitefish	129	22	SCALES		0			
0302	1	511	Mountain whitefish	288	224	SCALES		2	PIT	900026000053738	
0302	1	512	Mountain whitefish	270	224	SCALES	5	2	PIT	900026000056909	
0302	1	513	Mountain whitefish	225	132	SCALES		0			
0302	1	514	Mountain whitefish	277	226	SCALES		0	PIT	900026000148446	
0302	1	515	Mountain whitefish	328	320	SCALES		2	PIT	965000000245118	
0302	1	516	Mountain whitefish	421	716	SCALES	10	2	PIT	900026000064962	
0302	1	517	Mountain whitefish	307	310	SCALES		0	PIT	900026000155155	
0302	1	518	Mountain whitefish	309	282	SCALES		2	PIT	900026000148570	
0302	1	519	Mountain whitefish	158	44	SCALES		0			
0302	1	520	Mountain whitefish	271	210	SCALES		0	PIT	900026000154757	
0302	1	521	Mountain whitefish	224	124	SCALES		0			
0302	1	522	Mountain whitefish	287	256	SCALES		0	PIT	900026000155432	
0302	1	523	Mountain whitefish	219	114	SCALES		0			
0302	1	524	Mountain whitefish	227	128	SCALES		0			
0302	1	525	Mountain whitefish	270	196	SCALES	5	0	PIT	900026000146103	
0302	1	526	Mountain whitefish	193	76	SCALES		0			
0302	1	527	Mountain whitefish	148	32	SCALES		0			
0302	1	528	Mountain whitefish	299	250	SCALES		0	PIT	900026000055590	
0302	1	529	Mountain whitefish	320	322	SCALES	5	0	PIT	900026000146216	
0302	1	530	Mountain whitefish	308	292	SCALES		0	PIT	900026000154581	
0302	1	531	Mountain whitefish	138	30	SCALES		0			
0302	1	532	Mountain whitefish	219	110	SCALES		0			
0302	1	533	Mountain whitefish	392	464	SCALES	10	2	FLOY	8853	YELLOW
0302	1	534	Mountain whitefish	301	278	SCALES		0	PIT	900026000154994	
0302	1	535	Mountain whitefish	301	300	SCALES		2	PIT	9650000000086094	
0302	1	536	Mountain whitefish	264	206	SCALES		0	PIT	900026000147135	
0301	1	537	Rainbow trout	287	328	SCALES		0	PIT	900026000063378	
0301	1	538	Bull trout	500	1170	FIN RAY	5	0	PIT	900026000065054	
0301	1	539	Bull trout	367	408	FIN RAY	4	0	PIT	900026000147754	
0301	1	540	Mountain whitefish	306	266	SCALES		0	PIT	900026000055485	
0301	1	541	Mountain whitefish	264	192	SCALES		0	PIT	900026000055815	
0301	1	542	Mountain whitefish	265	198	SCALES		2	PIT	900026000065187	
0301	1	543	Mountain whitefish	297	284	SCALES	6	0	PIT	900026000146207	
0301	1	544	Mountain whitefish	255	204	SCALES		0	PIT	900026000155196	
0301	1	545	Mountain whitefish	283	250	SCALES		0	PIT	900026000051796	
0301	1	546	Mountain whitefish	312	314	SCALES		2	PIT	965000000245209	
0301	1	547	Mountain whitefish	224	122	SCALES		0			
0301	1	548	Mountain whitefish	264	216	SCALES		2	PIT	900026000035182	
0301	1	549	Mountain whitefish	287	244	SCALES		2	PIT	900026000056481	
0301	1	550	Mountain whitefish	325	304	SCALES		2	PIT	900026000052648	
0301	1	551	Mountain whitefish	264	200	SCALES		0	PIT	900026000147985	
0301	1	552	Mountain whitefish	286	230	SCALES		0	PIT	900026000154847	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0301	1	553	Mountain whitefish	288	268	SCALES		0	PIT	900026000147567
	0301	1	554	Mountain whitefish	274	224	SCALES		0	PIT	900026000051581
	0301	1	555	Mountain whitefish	263	212	SCALES		0	PIT	900026000052439
	0301	1	556	Mountain whitefish	292	240	SCALES		2	PIT	965000000281820
	0301	1	557	Mountain whitefish	302	262	SCALES		0	PIT	900026000147058
	0301	1	558	Mountain whitefish	269	210	SCALES		0	PIT	900026000083424
	0301	1	559	Mountain whitefish	294	226	SCALES		2	PIT	900026000148128
	0301	1	560	Mountain whitefish	302	250	SCALES		0	PIT	900026000147579
	0301	1	561	Mountain whitefish	269	216	SCALES		2	PIT	900026000083516
	0301	1	562	Mountain whitefish	279	206	SCALES	6	0	PIT	900026000053820
	0301	1	563	Mountain whitefish	270	198	SCALES		0	PIT	900026000154974
	0301	1	564	Mountain whitefish	267	184	SCALES	4	2	PIT	965000000281728
	0301	1	565	Mountain whitefish	255	208	SCALES		2	PIT	900026000148929
	0301	1	566	Mountain whitefish	295	268	SCALES	4	0	PIT	900026000052378
	0301	1	567	Mountain whitefish	203	102	SCALES		0		
	0301	1	568	Mountain whitefish	279	230	SCALES		2	PIT	965000000008085
	0301	1	569	Mountain whitefish	278	204	SCALES	5	0	PIT	900026000083380
	0301	1	570	Mountain whitefish	232	148	SCALES		0		
	0301	1	571	Mountain whitefish	298	260	SCALES		2	PIT	900026000148609
	0301	1	572	Rainbow trout	286	304	SCALES		0	PIT	900026000035225
	0301	1	573	Mountain whitefish	284	226	SCALES		2	PIT	965000000093222
	0301	1	574	Mountain whitefish	301	268	SCALES		0	PIT	900026000154861
	0301	1	575	Mountain whitefish	272	192	SCALES		2	PIT	900026000057393
	0301	1	576	Mountain whitefish	251	190	SCALES		0	PIT	900026000147723
	0301	1	577	Mountain whitefish	253	160	SCALES		2	PIT	900026000148644
	0301	1	578	Mountain whitefish	265	194	SCALES		2	PIT	900026000083169
	0301	1	579	Mountain whitefish	347	396	SCALES		2	PIT	965000000243331
	0301	1	580	Mountain whitefish	267	192	SCALES		2	PIT	965000000090856
	0301	1	581	Mountain whitefish	307	248	SCALES		0	PIT	900026000055811
	0301	1	582	Mountain whitefish	305	268	SCALES		2	PIT	900026000054577
	0301	1	583	Mountain whitefish	230	138	SCALES		0		
	0301	1	584	Mountain whitefish	271	262	SCALES		2	PIT	965000000001784
	0301	1	585	Mountain whitefish	135	26	SCALES		0		
	0301	1	586	Mountain whitefish	273	210	SCALES		2	PIT	900026000148377
	0301	1	587	Mountain whitefish	253	176	SCALES		0	PIT	900026000155265
	0301	1	588	Mountain whitefish	331	328	SCALES	6	0	PIT	900026000154533
	0301	1	589	Mountain whitefish	215	114	SCALES		0		
	0301	1	590	Mountain whitefish	137	30	SCALES	1	0		
	0301	1	591	Mountain whitefish	299	284	SCALES		0	PIT	900026000146257
	0301	1	592	Mountain whitefish	275	236	SCALES		0	PIT	900026000146041
	0303	1	593	Mountain whitefish	278	240	SCALES	5	0	PIT	900026000154901
	0303	1	594	Mountain whitefish	272	192	SCALES		0	PIT	900026000051451
	0303	1	595	Mountain whitefish	257	196	SCALES		0	PIT	900026000147893
	0303	1	596	Mountain whitefish	142	30	SCALES		0		
	0303	1	597	Mountain whitefish	403	764	SCALES	12	0	PIT	900026000155473
	0303	1	598	Mountain whitefish	262	208	SCALES		0	PIT	900026000147885
	0303	1	599	Mountain whitefish	302	262	SCALES		0	PIT	900026000148179
	0303	1	600	Mountain whitefish	295	272	SCALES		2	PIT	965000000086084
	0303	1	601	Mountain whitefish	316	268	SCALES	5	0	PIT	900026000055653
	0303	1	602	Mountain whitefish	150	40	SCALES		0		
	0303	1	603	Mountain whitefish	135	26	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0303	1	604	Mountain whitefish	288	236	SCALES		2	PIT	900026000084119	
0303	1	605	Mountain whitefish	285	278	SCALES	6	0	PIT	900026000146246	
0303	1	606	Mountain whitefish	289	232	SCALES	5	0	PIT	900026000084036	
0303	1	607	Mountain whitefish	259	190	SCALES		0	PIT	900026000083906	
0303	1	608	Mountain whitefish	254	158	SCALES		0	PIT	900026000148294	
0303	1	609	Mountain whitefish	225	122	SCALES		0			
0303	1	610	Mountain whitefish	143	36	SCALES		0			
0303	1	611	Mountain whitefish	309	308	SCALES		2	PIT	965000000244685	
0303	1	612	Mountain whitefish	301	270	SCALES		0	PIT	900026000147988	
0303	1	613	Bull trout	242	126	SCALES/FIN RAY	2	0	PIT	900026000154564	
0303	1	614	Mountain whitefish	286	232	SCALES		2	PIT	900026000052885	
0303	1	615	Mountain whitefish	280	230	SCALES		0	PIT	900026000147570	
0303	1	616	Mountain whitefish	306	284	SCALES		2	PIT	900026000063702	
0303	1	617	Mountain whitefish	150	34	SCALES		0			
0303	1	618	Mountain whitefish	281	206	SCALES		0	PIT	900026000148154	
0303	1	619	Mountain whitefish	280	246	SCALES		0	PIT	900026000147022	
0303	1	620	Mountain whitefish	293	250	SCALES		0	PIT	900026000155266	
0303	1	621	Mountain whitefish	281	206	SCALES		2	PIT	965000000246046	
0303	1	622	Mountain whitefish	331	336	SCALES		0	PIT	900026000155348	
0303	1	623	Mountain whitefish	318	292	SCALES		2	PIT	965000000243931	
0303	1	624	Mountain whitefish	293	246	SCALES		0	PIT	900026000155012	
0303	1	625	Mountain whitefish	315	310	SCALES		0	PIT	900026000056018	
0303	1	626	Mountain whitefish	124	14	SCALES		0			
0304	1	627	Bull trout	288	248	SCALES/FIN RAY	3	0	PIT	900026000147040	
0304	1	628	Mountain whitefish	372	474	SCALES		0	PIT	900026000055347	
0304	1	629	Mountain whitefish	253	182	SCALES		0	PIT	900026000155285	
0304	1	630	Mountain whitefish	339	376	SCALES		0	PIT	900026000148525	
0304	1	631	Mountain whitefish	313	304	SCALES		0	PIT	900026000148025	
0304	1	632	Mountain whitefish	294	256	SCALES		2	PIT	900026000083452	
0304	1	633	Mountain whitefish	276	230	SCALES		2	PIT	900026000065557	
0304	1	634	Mountain whitefish	356	416	SCALES		0	PIT	900026000148059	
0304	1	635	Mountain whitefish	373	470	SCALES	10	2	PIT	965000000242787	
0304	1	636	Mountain whitefish	265	194	SCALES	4	2	PIT	900026000064194	
0304	1	637	Mountain whitefish	301	260	SCALES		0	PIT	900026000147300	
0304	1	638	Mountain whitefish	303	248	SCALES		2	PIT	965000000244114	
0304	1	639	Mountain whitefish	294	264	SCALES		2	PIT	900026000147380	
0304	1	640	Mountain whitefish	293	240	SCALES		2	PIT	900026000065289	
0304	1	641	Mountain whitefish	328	342	SCALES		0	PIT	900026000147176	
0304	1	642	Mountain whitefish	305	318	SCALES	5	0	PIT	900026000147840	
0304	1	643	Mountain whitefish	323	338	SCALES		0	PIT	900026000155299	
0304	1	644	Mountain whitefish	237	142	SCALES		0			
0304	1	645	Mountain whitefish	298	264	SCALES		0	PIT	900026000148021	
0304	1	646	Mountain whitefish	283	256	SCALES		0	PIT	900026000035271	
0304	1	647	Mountain whitefish	233	134	SCALES		0			
0304	1	648	Mountain whitefish	297	266	SCALES	4	2	PIT	965000000239796	
0304	1	649	Mountain whitefish	216	124	SCALES		0			
0304	1	650	Mountain whitefish	226	140	SCALES		0			
0304	1	651	Mountain whitefish	306	312	SCALES	4	0	PIT	900026000147529	
0304	1	652	Mountain whitefish	317	308	SCALES		0	PIT	900026000148564	
0304	1	653	Mountain whitefish	323	300	SCALES		0	PIT	900026000155271	
0304	1	654	Mountain whitefish	302	264	SCALES		0	PIT	900026000154572	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0304	1	655	Mountain whitefish	310	308	SCALES		2	PIT	900026000061504	
0304	1	656	Mountain whitefish	322	320	SCALES		0	PIT	900026000146214	
0304	1	657	Mountain whitefish	289	248	SCALES		2	PIT	900026000084119	
0304	1	658	Mountain whitefish	302	314	SCALES		0	PIT	900026000147704	
0304	1	659	Mountain whitefish	252	182	SCALES		0	PIT	900026000056278	
0304	1	660	Mountain whitefish	330	336	SCALES		0	PIT	900026000147838	
0304	1	661	Mountain whitefish	311	308	SCALES		2	PIT	965000000240743	
0304	1	662	Mountain whitefish	248	168	SCALES		0			
0304	1	663	Mountain whitefish	240	166	SCALES	4	0			
0304	1	664	Mountain whitefish	244	166	SCALES		0			
0304	1	665	Mountain whitefish	341	352	SCALES		2	PIT	965000000243227	
0304	1	666	Mountain whitefish	262	210	SCALES		0	PIT	900026000053712	
0304	1	667	Mountain whitefish	315	336	SCALES	6	2	PIT	900026000083430	
0304	1	668	Mountain whitefish	235	138	SCALES		0			
0304	1	669	Mountain whitefish	227	118	SCALES		0			
0304	1	670	Mountain whitefish	379	496	SCALES		2	PIT	965000000245063	
0304	1	671	Mountain whitefish	326	306	SCALES		2	PIT	900026000057624	
0304	1	672	Mountain whitefish	333	294	SCALES		0	PIT	900026000148348	
0304	1	673	Mountain whitefish	298	274	SCALES		2	PIT	900026000053835	
0304	1	674	Mountain whitefish	207	90	SCALES		0			
0304	1	675	Mountain whitefish	292	246	SCALES		0	PIT	900026000053453	
0304	1	676	Mountain whitefish	231	124	SCALES		0			
0304	1	677	Mountain whitefish	313	302	SCALES		0	PIT	900026000155170	
0304	1	678	Mountain whitefish	238	152	SCALES		0			
0304	1	679	Mountain whitefish	301	284	SCALES		0	PIT	900026000154968	
0304	1	680	Mountain whitefish	293	270	SCALES		2	PIT	900026000064175	
0304	1	681	Mountain whitefish	352	418	SCALES		0	PIT	900026000155495	
0304	1	682	Mountain whitefish	308	262	SCALES		2	PIT	965000000241819	
0304	1	683	Mountain whitefish	308	276	SCALES		0	PIT	900026000035039	
0305	1	684	Mountain whitefish	311	280	SCALES	6	0	PIT	900026000053889	
0305	1	685	Mountain whitefish	390	546	SCALES		2	PIT	900026000052578	
0305	1	686	Mountain whitefish	286	220	SCALES		0	PIT	900026000154910	
0305	1	687	Mountain whitefish	349	368	SCALES		2	FLOY	5925 YELLOW	
0305	1	688	Mountain whitefish	309	298	SCALES		2	PIT	965000000111484	
0305	1	689	Mountain whitefish	293	340	SCALES		0	PIT	900026000154820	
0305	1	690	Mountain whitefish	257	176	SCALES		0	PIT	900026000147255	
0305	1	691	Mountain whitefish	231	118	SCALES		0			
0305	1	692	Mountain whitefish	401	542	SCALES	10	2	PIT	965000000085514	
0305	1	693	Mountain whitefish	314	312	SCALES		0	PIT	900026000147770	
0305	1	694	Mountain whitefish	360	430	SCALES		2	PIT	965000000281198	
0305	1	695	Mountain whitefish	307	264	SCALES	5	2	PIT	900026000056423	
0305	1	696	Mountain whitefish	262	188	SCALES	4	0	PIT	900026000154659	
0305	1	697	Mountain whitefish	324	320	SCALES		0	PIT	900026000147032	
0305	1	698	Mountain whitefish	315	290	SCALES		2	PIT	900026000148025	
0305	1	699	Mountain whitefish	278	218	SCALES	4	0	PIT	900026000051799	
0305	1	700	Bull trout	304	262			2	PIT	900026000057461	
0305	1	701	Mountain whitefish	340	344	SCALES		2	PIT	965000000243227	
0305	1	702	Mountain whitefish	277	214	SCALES	3	2	PIT	965000000112690	
0305	1	703	Mountain whitefish	293	236	SCALES		0	PIT	900026000155214	
0305	1	704	Mountain whitefish	304	252	SCALES		2	PIT	900026000083596	
0305	1	705	Mountain whitefish	275	202	SCALES		0	PIT	900026000154792	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0305	1	706	Mountain whitefish	277	238	SCALES		0	PIT	900026000155109
	0305	1	707	Mountain whitefish	309	278	SCALES	6	2	PIT	900026000052904
	0305	1	708	Mountain whitefish	339	352	SCALES	7	0	PIT	900026000154607
	0305	1	709	Mountain whitefish	332	278	SCALES	5	2	PIT	900026000034768
	0305	1	710	Mountain whitefish	267	202	SCALES	5	2	PIT	900026000055136
	0305	1	711	Mountain whitefish	289	252	SCALES	5	0	PIT	900026000147539
	0305	1	712	Bull trout	327	332	SCALES/FIN RAY	3	0	PIT	900026000154770
	0305	1	713	Mountain whitefish	333	314	SCALES		2	PIT	965000000069412
	0305	1	714	Mountain whitefish	347	374	SCALES		2	PIT	900026000055353
	0305	1	715	Mountain whitefish	334	304	SCALES		0	PIT	900026000155438
	0305	1	716	Mountain whitefish	342	356	SCALES		2	PIT	900026000035612
	0305	1	717	Mountain whitefish	298	280	SCALES		2	PIT	900026000051523
	0305	1	718	Mountain whitefish	271	180	SCALES		2	PIT	965000000093828
	0305	1	719	Mountain whitefish	292	264	SCALES		0	PIT	900026000147649
	0305	1	720	Mountain whitefish	437	768	SCALES		0	PIT	900026000056051
	0305	1	721	Mountain whitefish	353	404	SCALES		0	PIT	900026000155302
	0305	1	722	Mountain whitefish	304	256	SCALES		2	PIT	900026000054622
	0305	1	723	Mountain whitefish	286	270	SCALES		0	PIT	900026000053906
	0305	1	724	Mountain whitefish	378	568	SCALES		2	PIT	900026000060747
	0305	1	725	Mountain whitefish	250	180	SCALES		2	PIT	900026000056278
	0305	1	726	Mountain whitefish	282	218	SCALES		0	PIT	900026000147372
	0305	1	727	Mountain whitefish	358	426	SCALES	6	2	PIT	900026000055623
	0306	1	728	Mountain whitefish	465	1096	SCALES		0	PIT	900026000034956
	0306	1	729	Mountain whitefish	303	292	SCALES		0	PIT	900026000154728
	0306	1	730	Bull trout	381	562			2	PIT	900026000054763
	0306	1	731	Mountain whitefish	300	246	SCALES		2	PIT	965000000239094
	0306	1	732	Mountain whitefish	288	244	SCALES		2	PIT	900026000035461
	0306	1	733	Mountain whitefish	315	310	SCALES		2	PIT	965000000247438
	0314	1	734	Rainbow trout	251	196	SCALES		0	PIT	900026000154671
	0314	1	735	Bull trout	422	764	FIN RAY	4	0	PIT	900026000154812
	0314	1	736	Mountain whitefish	278	208	SCALES		2	PIT	965000000281694
	0314	1	737	Mountain whitefish	354	346	SCALES	7	2	PIT	965000000109853
	0314	1	738	Mountain whitefish	226	124	SCALES		0		
	0314	1	739	Mountain whitefish	251	192	SCALES		0	PIT	900026000154690
	0314	1	740	Mountain whitefish	305	260	SCALES		0	PIT	900026000147627
	0314	1	741	Mountain whitefish	296	250	SCALES		2	PIT	900026000055077
	0314	1	742	Mountain whitefish	277	234	SCALES		0	PIT	900026000154630
	0314	1	743	Mountain whitefish	261	194	SCALES		0	PIT	900026000154823
	0314	1	744	Mountain whitefish	325	282	SCALES	6	0	PIT	900026000052385
	0314	1	745	Mountain whitefish	236	134	SCALES		0		
	0314	1	746	Mountain whitefish	283	210	SCALES		0	PIT	900026000052914
	0314	1	747	Mountain whitefish	403	578	SCALES		0	PIT	900026000155064
	0314	1	748	Mountain whitefish	324	268	SCALES		2	PIT	965000000247598
	0314	1	749	Mountain whitefish	387	438	SCALES		2	PIT	900026000033875
	0314	1	750	Mountain whitefish	295	240	SCALES		2	PIT	965000000282808
	0314	1	751	Mountain whitefish	292	268	SCALES		0	PIT	900026000034682
	0314	1	752	Mountain whitefish	309	252	SCALES	5	0	PIT	900026000147130
	0314	1	753	Mountain whitefish	270	212	SCALES		0	PIT	900026000155330
	0314	1	754	Mountain whitefish	254	180	SCALES		0	PIT	900026000154718
	0314	1	755	Mountain whitefish	254	182	SCALES		0	PIT	900026000147613
	0314	1	756	Mountain whitefish	261	210	SCALES		0	PIT	900026000154827

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0314	1	757	Mountain whitefish	298	306	SCALES		0	PIT	900026000055337
	0314	1	758	Mountain whitefish	306	264	SCALES		0	PIT	900026000057462
	0314	1	759	Mountain whitefish	283	260	SCALES		0	PIT	900026000154851
	0314	1	760	Mountain whitefish	296	292	SCALES		0	PIT	900026000155185
	0314	1	761	Mountain whitefish	295	242	SCALES		0	PIT	900026000147562
	0314	1	762	Mountain whitefish	142	30	SCALES		0		
	0314	1	763	Mountain whitefish	302	266	SCALES		0	PIT	900026000147290
	0314	1	764	Mountain whitefish	281	226	SCALES		0	PIT	900026000154976
	0314	1	765	Mountain whitefish	295	236	SCALES		2	PIT	965000000281493
	0314	1	766	Mountain whitefish	291	248	SCALES		0	PIT	900026000147160
	0314	1	767	Mountain whitefish	238	146	SCALES	4	0		
	0314	1	768	Mountain whitefish	270	194	SCALES	4	0	PIT	900026000155092
	0314	1	769	Mountain whitefish	140	26	SCALES		0		
	0315	1	770	Arctic grayling	270	258	SCALES	2	0	PIT	900026000147642
	0315	1	771	Mountain whitefish	356	444	SCALES		0	PIT	900026000154814
	0315	1	772	Mountain whitefish	333	362	SCALES		2	PIT	965000000238795
	0315	1	773	Mountain whitefish	277	274	SCALES		0	PIT	900026000034816
	0315	1	774	Mountain whitefish	310	294	SCALES		2	PIT	900026000035137
	0315	1	775	Mountain whitefish	197	110	SCALES		0		
	0315	1	776	Mountain whitefish	287	252	SCALES		2	PIT	965000000085636
	0315	1	777	Mountain whitefish	303	250	SCALES		0	PIT	900026000154911
	0315	1	778	Mountain whitefish	293	254	SCALES		2	PIT	900026000064697
	0315	1	779	Mountain whitefish	133	26	SCALES		0		
	0315	1	780	Mountain whitefish	280	254	SCALES		0	PIT	900026000147260
	0315	1	781	Mountain whitefish	276	256	SCALES		2	PIT	900026000055232
	0315	1	782	Mountain whitefish	302	284	SCALES	5	2	PIT	965000000072494
	0315	1	783	Mountain whitefish	299	286	SCALES		0	PIT	900026000147267
	0315	1	784	Mountain whitefish	281	240	SCALES		2	PIT	900026000065083
	0315	1	785	Mountain whitefish	296	288	SCALES		0	PIT	900026000053911
	0315	1	786	Mountain whitefish	285	260	SCALES		0	PIT	900026000147643
	0315	1	787	Mountain whitefish	281	244	SCALES	5	2	PIT	965000000070830
	0315	1	788	Mountain whitefish	288	258	SCALES		2	PIT	965000000090069
	0315	1	789	Mountain whitefish	293	264	SCALES	5	0	PIT	900026000154706
	0315	1	790	Mountain whitefish	310	352	SCALES		2	PIT	965000000243711
	0315	1	791	Mountain whitefish	292	264	SCALES		2	PIT	900026000056684
	0315	1	792	Mountain whitefish	303	304	SCALES		0	PIT	900026000155059
	0315	1	793	Mountain whitefish	267	216	SCALES		2	PIT	900026000056124
	0315	1	794	Mountain whitefish	258	192	SCALES		0	PIT	900026000154621
	0315	1	795	Mountain whitefish	319	344	SCALES		0	PIT	900026000147409
	0315	1	796	Mountain whitefish	279	262	SCALES		0	PIT	900026000146166
	0315	1	797	Mountain whitefish	301	308	SCALES		0	PIT	900026000147473
	0315	1	798	Mountain whitefish	227	146	SCALES		0		
	0315	1	799	Mountain whitefish	267	224	SCALES		0	PIT	900026000083796
	0315	1	800	Mountain whitefish	272	222	SCALES		0	PIT	900026000154773
	0315	1	801	Mountain whitefish	294	270	SCALES		0	PIT	900026000055414
	0315	1	802	Mountain whitefish	317	302	SCALES		2	PIT	900026000061824
	0315	1	803	Mountain whitefish	290	244	SCALES		2	PIT	900026000052660
	0315	1	804	Mountain whitefish	291	264	SCALES		0	PIT	900026000154905
	0315	1	805	Mountain whitefish	346	318	SCALES	7	2	PIT	965000000239139
	0315	1	806	Mountain whitefish	292	224	SCALES		0	PIT	900026000154928
	0315	1	807	Mountain whitefish	300	258	SCALES		2	PIT	900026000056291

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0315	1	808	Mountain whitefish	257	192	SCALES		0	PIT	900026000147544
	0315	1	809	Mountain whitefish	273	220	SCALES		0	PIT	900026000146232
	0315	1	810	Mountain whitefish	308	278	SCALES		2	PIT	900026000064119
	0315	1	811	Mountain whitefish	307	300	SCALES		0	PIT	900026000147371
	0315	1	812	Mountain whitefish	310	274	SCALES		2	PIT	900026000056451
	0315	1	813	Mountain whitefish	274	230	SCALES		0	PIT	900026000055660
	0315	1	814	Mountain whitefish	282	232	SCALES		2	PIT	965000000091921
	0315	1	815	Mountain whitefish	227	124	SCALES		0		
	0315	1	816	Mountain whitefish	304	274	SCALES		2	PIT	900026000061775
	0315	1	817	Mountain whitefish	292	260	SCALES		0	PIT	900026000147126
	0315	1	818	Mountain whitefish	255	168	SCALES		0	PIT	900026000146994
	0315	1	819	Mountain whitefish	247	172	SCALES		0		
	0315	1	820	Mountain whitefish	282	226	SCALES		0	PIT	900026000146998
	0315	1	821	Mountain whitefish	260	222	SCALES		0	PIT	900026000146144
	0315	1	822	Mountain whitefish	278	222	SCALES		0	PIT	900026000054080
	0315	1	823	Mountain whitefish	145	34	SCALES	1	0		
	0315	1	824	Mountain whitefish	303	270	SCALES		0	PIT	900026000147697
	0315	1	825	Mountain whitefish	302	254	SCALES		0	PIT	900026000055887
	0315	1	826	Mountain whitefish	182	60	SCALES		0		
	0315	1	827	Mountain whitefish	260	206	SCALES	4	0	PIT	900026000147319
	0315	1	828	Mountain whitefish	251	156	SCALES		0	PIT	900026000052230
	0315	1	829	Mountain whitefish	307	304	SCALES		2	PIT	965000000243040
	0315	1	830	Mountain whitefish	296	270	SCALES		2	PIT	0A00710919
	0315	1	831	Mountain whitefish	240	160	SCALES		0		
	0315	1	832	Mountain whitefish	300	304	SCALES		0	PIT	965000000278469
	0315	1	833	Mountain whitefish	305	294	SCALES		2	PIT	900026000154728
	0315	1	834	Mountain whitefish	132	30	SCALES		0		
	0307	1	835	Mountain whitefish	356	394	SCALES		0	PIT	900026000148510
	0307	1	836	Mountain whitefish	312	296	SCALES	5	0	PIT	900026000148893
	0307	1	837	Mountain whitefish	316	334	SCALES		2	PIT	900026000083602
	0307	1	838	Mountain whitefish	409	640	SCALES		0	PIT	900026000051998
	0307	1	839	Mountain whitefish	307	250	SCALES		2	PIT	965000000238960
	0307	1	840	Mountain whitefish	287	224	SCALES		0	PIT	900026000154868
	0307	1	841	Mountain whitefish	282	226	SCALES		0	PIT	900026000148178
	0307	1	842	Mountain whitefish	295	266	SCALES		2	PIT	900026000055292
	0307	1	843	Mountain whitefish	257	182	SCALES		2	PIT	900026000147544
	0307	1	844	Mountain whitefish	372	406	SCALES		0	PIT	900026000055526
	0307	1	845	Mountain whitefish	344	396	SCALES		2	PIT	965000000078209
	0307	1	846	Mountain whitefish	232	126	SCALES		0		
	0307	1	847	Mountain whitefish	270	190	SCALES		0	PIT	900026000052463
	0307	1	848	Mountain whitefish	322	296	SCALES		2	PIT	965000000281719
	0307	1	849	Mountain whitefish	313	270	SCALES	7	2	PIT	4D00021272
	0307	1	850	Mountain whitefish	237	136	SCALES		0		
	0307	1	851	Mountain whitefish	267	170	SCALES		0	PIT	900026000148617
	0307	1	852	Mountain whitefish	303	250	SCALES		0	PIT	900026000148251
	0307	1	853	Mountain whitefish	336	322	SCALES		0	PIT	900026000065064
	0307	1	854	Mountain whitefish	337	322	SCALES		0	PIT	900026000155039
	0307	1	855	Mountain whitefish	340	382	SCALES		0	PIT	900026000154710
	0307	1	856	Mountain whitefish	262	204	SCALES		0	PIT	900026000155008
	0307	1	857	Mountain whitefish	300	260	SCALES		2	PIT	900026000055640
	0307	1	858	Mountain whitefish	300	258	SCALES		2	PIT	965000000078097

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0307	1	859	Mountain whitefish	322	276	SCALES		0	PIT	900026000147385	
0307	1	860	Mountain whitefish	140	28	SCALES		0			
0307	1	861	Mountain whitefish	305	272	SCALES		0	PIT	900026000155327	
0307	1	862	Mountain whitefish	352	376	SCALES		0	PIT	900026000055362	
0307	1	863	Mountain whitefish	276	186	SCALES		0	PIT	900026000060434	
0307	1	864	Mountain whitefish	330	274	SCALES		2	PIT	900026000035153	
0307	1	865	Mountain whitefish	233	138	SCALES		0			
0307	1	866	Mountain whitefish	300	272	SCALES		0	PIT	900026000147564	
0307	1	867	Mountain whitefish	356	430	SCALES		0	PIT	900026000154989	
0307	1	868	Mountain whitefish	131	24	SCALES		0			
0307	1	869	Mountain whitefish	304	260	SCALES		2	PIT	965000000065448	
0307	1	870	Mountain whitefish	330	310	SCALES		2	PIT	965000000282622	
0307	1	871	Mountain whitefish	277	204	SCALES		0	PIT	900026000146208	
0307	1	872	Mountain whitefish	263	196	SCALES		0	PIT	900026000055654	
0307	1	873	Mountain whitefish	303	260	SCALES		2	PIT	965000000243495	
0307	1	874	Mountain whitefish	331	252	SCALES		2	PIT	0A00727967	
0307	1	875	Mountain whitefish	274	226	SCALES		0	PIT	900026000055465	
0307	1	876	Mountain whitefish	301	240	SCALES		2	PIT	900026000061106	
0307	1	877	Mountain whitefish	323	298	SCALES		2	PIT	965000000078589	
0307	1	878	Mountain whitefish	276	226	SCALES	4	0	PIT	900026000147616	
0307	1	879	Mountain whitefish	261	162	SCALES		0	PIT	900026000155281	
0307	1	880	Mountain whitefish	273	194	SCALES		0	PIT	900026000083387	
0307	1	881	Mountain whitefish	287	238	SCALES		0	PIT	900026000147977	
0307	1	882	Mountain whitefish	194	78	SCALES		0			
0307	1	883	Mountain whitefish	259	178	SCALES		0	PIT	900026000051499	
0307	1	884	Mountain whitefish	295	266	SCALES		2	PIT	900026000083831	
0307	1	885	Mountain whitefish	275	196	SCALES		0	PIT	900026000084076	
0307	1	886	Mountain whitefish	242	144	SCALES		0			
0307	1	887	Mountain whitefish	342	332	SCALES		2	PIT	965000000243724	
0307	1	888	Mountain whitefish	355	430	SCALES		2	PIT	965000000244666	
0307	1	889	Mountain whitefish	143	30	SCALES		0			
0307	1	890	Mountain whitefish	203	88	SCALES		0			
0307	1	891	Mountain whitefish	284	232	SCALES		0	PIT	900026000155414	
0307	1	892	Mountain whitefish	290	234	SCALES		0	PIT	900026000147023	
0307	1	893	Mountain whitefish	263	176	SCALES		2	PIT	900026000057285	
0307	1	894	Mountain whitefish	280	238	SCALES		0	PIT	900026000147454	
0307	1	895	Mountain whitefish	291	250	SCALES		0	PIT	900026000155328	
0308	1	896	Bull trout	549	1714			2	PIT	965000000086610	
0308	1	897	Bull trout	467	1062			2	PIT	900026000051697	
0308	1	898	Mountain whitefish	452	870	SCALES		0	PIT	900026000148492	
0308	1	899	Mountain whitefish	310	308	SCALES		0	PIT	900026000147480	
0308	1	900	Mountain whitefish	268	206	SCALES	4	2	PIT	900026000053127	
0308	1	901	Mountain whitefish	294	236	SCALES	6	2	PIT	965000000084516	
0308	1	902	Mountain whitefish	342	430	SCALES		2	PIT	965000000248005	
0308	1	903	Mountain whitefish	288	254	SCALES		0	PIT	900026000155065	
0308	1	904	Mountain whitefish	235	160	SCALES		0			
0308	1	905	Mountain whitefish	417	662	SCALES		2	PIT	4D00044859	
0308	1	906	Mountain whitefish	332	322	SCALES		2	PIT	965000000087686	
0308	1	907	Mountain whitefish	276	210	SCALES		0	PIT	900026000154582	
0308	1	908	Mountain whitefish	264	216	SCALES		2	PIT	900026000083316	
0308	1	909	Mountain whitefish	322	292	SCALES		0	PIT	900026000148402	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0308	1	910	Mountain whitefish	315	306	SCALES		0	PIT	900026000154528	
0308	1	911	Mountain whitefish	336	382	SCALES		2	FLOY		3219 YELLOW
0308	1	912	Mountain whitefish	337	430	SCALES		0	PIT	900026000147880	
0308	1	913	Mountain whitefish	297	256	SCALES		0	PIT	900026000035194	
0308	1	914	Mountain whitefish	303	246	SCALES		2	PIT	965000000243869	
0308	1	915	Mountain whitefish	294	248	SCALES		2	PIT	900026000063437	
0308	1	916	Mountain whitefish	284	220	SCALES		0	PIT	900026000148451	
0308	1	917	Mountain whitefish	212	108	SCALES		0			
0308	1	918	Mountain whitefish	240	148	SCALES		0			
0308	1	919	Mountain whitefish	288	248	SCALES		2	PIT	900026000060385	
0308	1	920	Mountain whitefish	247	188	SCALES		0			
0308	1	921	Mountain whitefish	302	258	SCALES		2	PIT	900026000052204	
0308	1	922	Mountain whitefish	138	28	SCALES		0			
0308	1	923	Mountain whitefish	149	30	SCALES		0			
0308	1	924	Mountain whitefish	303	286	SCALES		2	PIT	965000000282161	
0308	1	925	Mountain whitefish	314	292	SCALES		2	PIT	900026000055148	
0308	1	926	Bull trout	226	128	SCALES/FIN RAY	2	0	PIT	900026000154499	
0308	1	927	Mountain whitefish	287	218	SCALES		0	PIT	900026000154502	
0308	1	928	Mountain whitefish	303	264	SCALES		2	PIT	965000000281758	
0308	1	929	Mountain whitefish	289	272	SCALES		2	PIT	965000000005634	
0308	1	930	Mountain whitefish	283	226	SCALES		0	PIT	900026000147421	
0308	1	931	Mountain whitefish	243	162	SCALES		0			
0308	1	932	Mountain whitefish	316	288	SCALES		2	PIT	900026000083646	
0308	1	933	Mountain whitefish	313	252	SCALES	6	0	PIT	900026000147584	
0308	1	934	Mountain whitefish	337	356	SCALES		0	PIT	900026000145999	
0308	1	935	Mountain whitefish	344	398	SCALES		0	PIT	900026000148648	
0308	1	936	Mountain whitefish	268	214	SCALES	5	0	PIT	900026000055618	
0308	1	937	Mountain whitefish	304	282	SCALES		2	PIT	0A00744565	
0308	1	938	Mountain whitefish	274	206	SCALES		2	PIT	900026000083540	
0308	1	939	Mountain whitefish	277	214	SCALES	4	2	PIT	900026000083434	
0308	1	940	Mountain whitefish	294	248	SCALES		2	PIT	965000000089477	
0308	1	941	Mountain whitefish	254	188	SCALES		0	PIT	900026000147717	
0308	1	942	Mountain whitefish	264	190	SCALES	4	0	PIT	900026000154567	
0308	1	943	Mountain whitefish	254	178	SCALES		2	PIT	900026000035206	
0308	1	944	Mountain whitefish	247	152	SCALES		0			
0308	1	945	Mountain whitefish	198	80	SCALES		0			
0308	1	946	Mountain whitefish	132	24	SCALES		0			
0308	1	947	Mountain whitefish	283	230	SCALES		0	PIT	900026000148387	
0308	1	948	Mountain whitefish	280	230	SCALES		0	PIT	900026000147647	
0308	1	949	Mountain whitefish	281	260	SCALES		2	PIT	965000000281266	
0308	1	950	Mountain whitefish	304	286	SCALES		0	PIT	900026000154918	
0308	1	951	Mountain whitefish	297	272	SCALES		2	PIT	965000000092517	
0308	1	952	Mountain whitefish	328	318	SCALES		0	PIT	900026000155454	
0308	1	953	Mountain whitefish	289	226	SCALES		0	PIT	900026000148792	
0308	1	954	Mountain whitefish	280	218	SCALES		0	PIT	900026000155319	
0308	1	955	Mountain whitefish	277	220	SCALES		2	PIT	900026000052411	
0308	1	956	Mountain whitefish	247	162	SCALES		0			
0308	1	957	Mountain whitefish	290	240	SCALES		0	PIT	900026000084058	
0308	1	958	Bull trout	229	132	SCALES/FIN RAY	2	0	PIT	900026000155479	
0308	1	959	Mountain whitefish	307	300	SCALES	4	2	PIT	900026000065445	
0308	1	960	Mountain whitefish	133	24	SCALES		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0308	1	961	Mountain whitefish	300	230	SCALES		2	PIT	900026000083672	
0308	1	962	Mountain whitefish	146	28	SCALES		0			
0308	1	963	Bull trout	219	108	SCALES/FIN RAY	2	0	PIT	900026000154807	
0316	1	964	Bull trout	724	4140			2	PIT	965000000248220	
0316	1	965	Rainbow trout	356	536	SCALES		2	PIT	900026000051932	
0316	1	966	Arctic grayling	308	408	SCALES	3	0	PIT	900026000055529	
0316	1	967	Bull trout	503	1324	FIN RAY	5	0	PIT	900026000147406	
0316	1	968	Mountain whitefish	427	736	SCALES	12	0	PIT	900026000147008	
0316	1	969	Mountain whitefish	352	346	SCALES		2	PIT	0A00712334	
0316	1	970	Mountain whitefish	367	466	SCALES		0	PIT	900026000147037	
0316	1	971	Mountain whitefish	308	338	SCALES		0	PIT	900026000154841	
0316	1	972	Mountain whitefish	242	152	SCALES		0			
0316	1	973	Arctic grayling	360	594	SCALES	4	0	PIT	900026000051415	
0316	1	974	Rainbow trout	231	128	SCALES		0			
0316	1	975	Mountain whitefish	300	302	SCALES		0	PIT	900026000055281	
0316	1	976	Mountain whitefish	238	154	SCALES		0			
0316	1	977	Mountain whitefish	264	226	SCALES		0	PIT	900026000055589	
0316	1	978	Mountain whitefish	288	300	SCALES		0	PIT	900026000147375	
0316	1	979	Mountain whitefish	366	386	SCALES		0	PIT	900026000146289	
0316	1	980	Mountain whitefish	264	216	SCALES		2	PIT	900026000054207	
0316	1	981	Mountain whitefish	346	312	SCALES	6	0	PIT	900026000147350	
0316	1	982	Mountain whitefish	333	334	SCALES		2	PIT	965000000087686	
0316	1	983	Mountain whitefish	210	94	SCALES		0			
0316	1	984	Mountain whitefish	295	270	SCALES		0	PIT	900026000147925	
0316	1	985	Mountain whitefish	259	198	SCALES		0	PIT	900026000053607	
0316	1	986	Mountain whitefish	237	138	SCALES		0			
0316	1	987	Mountain whitefish	283	232	SCALES	4	0	PIT	900026000063361	
0316	1	988	Mountain whitefish	260	206	SCALES		0	PIT	900026000083577	
0316	1	989	Mountain whitefish	332	340	SCALES		0	PIT	900026000154752	
0316	1	990	Mountain whitefish	270	194	SCALES		2	PIT	900026000035270	
0316	1	991	Mountain whitefish	232	128	SCALES		0			
0316	1	992	Mountain whitefish	277	208	SCALES		2	PIT	900026000062127	
0316	1	993	Mountain whitefish	302	278	SCALES		0	PIT	900026000147486	
0316	1	994	Mountain whitefish	230	146	SCALES		0			
0316	1	995	Mountain whitefish	266	230	SCALES	4	0	PIT	900026000148385	
0316	1	996	Mountain whitefish	270	200	SCALES		0	PIT	900026000147155	
0316	1	997	Mountain whitefish	263	214	SCALES		2	PIT	900026000052709	
0316	1	998	Mountain whitefish	276	214	SCALES	5	0	PIT	900026000083276	
0316	1	999	Mountain whitefish	283	278	SCALES	5	0	PIT	900026000155150	
0316	1	1000	Mountain whitefish	181	62	SCALES		0			
0316	1	1001	Mountain whitefish	300	296	SCALES		2	PIT	0A00747607	
0316	1	1002	Mountain whitefish	279	256	SCALES		0	PIT	900026000055265	
0316	1	1003	Mountain whitefish	273	228	SCALES		2	PIT	900026000055618	
0316	1	1004	Mountain whitefish	243	160	SCALES		0			
0316	1	1005	Mountain whitefish	279	220	SCALES	4	0	PIT	900026000053792	
0316	1	1006	Mountain whitefish	287	242	SCALES		0	PIT	900026000155116	
0316	1	1007	Mountain whitefish	300	290	SCALES		0	PIT	900026000035334	
0316	1	1008	Mountain whitefish	283	242	SCALES		0	PIT	900026000147175	
0316	1	1009	Mountain whitefish	150	40	SCALES		0			
0316	1	1010	Mountain whitefish	282	206	SCALES		0	PIT	900026000154987	
0316	1	1011	Mountain whitefish	274	230	SCALES		2	PIT	965000000114196	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0316	1	1012	Bull trout	340	398	FIN RAY	5	0	PIT	900026000054099
	0316	1	1013	Rainbow trout	287	314	SCALES		0	PIT	900026000055176
	0316	1	1014	Mountain whitefish	273	230	SCALES		2	PIT	900026000083673
	0316	1	1015	Mountain whitefish	285	226	SCALES		2	PIT	965000000240853
	0316	1	1016	Mountain whitefish	268	220	SCALES		2	PIT	900026000062070
	0316	1	1017	Mountain whitefish	303	316	SCALES		0	PIT	900026000148685
	0316	1	1018	Mountain whitefish	294	270	SCALES		0	PIT	900026000154748
	0316	1	1019	Mountain whitefish	300	294	SCALES		0	PIT	900026000155091
	0316	1	1020	Mountain whitefish	258	202	SCALES		0	PIT	900026000155018
	0316	1	1021	Mountain whitefish	287	216	SCALES		0	PIT	900026000155220
	0316	1	1022	Mountain whitefish	137	32	SCALES		0		
	0316	1	1023	Mountain whitefish	290	260	SCALES		2	PIT	900026000055997
	0316	1	1024	Mountain whitefish	288	226	SCALES		0	PIT	900026000155431
	0316	1	1025	Mountain whitefish	244	158	SCALES		0		
	0316	1	1026	Mountain whitefish	278	250	SCALES		2	PIT	900026000053758
	0316	1	1027	Mountain whitefish	251	168	SCALES		0	PIT	900026000147580
	0316	1	1028	Mountain whitefish	273	218	SCALES		2	PIT	900026000053582
	0316	1	1029	Mountain whitefish	153	38	SCALES		0		
	0316	1	1030	Mountain whitefish	297	266	SCALES		0	PIT	900026000051707
	0316	1	1031	Mountain whitefish	282	238	SCALES		2	PIT	965000000245859
	0316	1	1032	Mountain whitefish	287	254	SCALES		0	PIT	900026000147719
	0316	1	1033	Mountain whitefish	257	192	SCALES		0	PIT	900026000147030
	0316	1	1034	Mountain whitefish	320	314	SCALES		2	PIT	965000000079320
	0316	1	1035	Mountain whitefish	325	318	SCALES		0	PIT	900026000147718
	0316	1	1036	Mountain whitefish	265	224	SCALES	4	0	PIT	900026000083185
	0316	1	1037	Mountain whitefish	313	328	SCALES		2	PIT	965000000245456
	0316	1	1038	Mountain whitefish	198	80	SCALES		0		
	0316	1	1039	Mountain whitefish	284	210	SCALES		0	PIT	900026000146070
	0316	1	1040	Mountain whitefish	276	230	SCALES		0	PIT	900026000154836
	0316	1	1041	Mountain whitefish	270	222	SCALES		0	PIT	900026000154799
	0316	1	1042	Mountain whitefish	228	134	SCALES		0		
	0316	1	1043	Mountain whitefish	372	510	SCALES		2	FLOY	4402 YELLOW
	0316	1	1044	Mountain whitefish	261	204	SCALES		0	PIT	900026000154943
	0316	1	1045	Mountain whitefish	401	518	SCALES	11	2	FLOY	3071 YELLOW
	0316	1	1046	Mountain whitefish	291	292	SCALES		2	PIT	965000000084421
	0316	1	1047	Mountain whitefish	313	294	SCALES		0	PIT	900026000154520
	0316	1	1048	Mountain whitefish	310	356	SCALES/OTOLITH		1		
	0311	1	1049	Mountain whitefish	446	950	SCALES		0	PIT	900026000155255
	0311	1	1050	Bull trout	337	394	FIN RAY	5	0	PIT	900026000148450
	0311	1	1051	Mountain whitefish	299	278	SCALES		2	PIT	965000000280957
	0311	1	1052	Mountain whitefish	357	424	SCALES		0	PIT	900026000051382
	0311	1	1053	Mountain whitefish	292	244	SCALES		2	PIT	965000000068938
	0311	1	1054	Mountain whitefish	297	272	SCALES		0	PIT	900026000147082
	0311	1	1055	Mountain whitefish	309	262	SCALES		0	PIT	900026000155433
	0311	1	1056	Mountain whitefish	325	354	SCALES		2	PIT	965000000085997
	0311	1	1057	Mountain whitefish	334	274	SCALES		2	FLOY	7464 YELLOW
	0311	1	1058	Mountain whitefish	352	378	SCALES		0	PIT	900026000147282
	0311	1	1059	Mountain whitefish	287	236	SCALES		2	PIT	900026000083461
	0311	1	1060	Mountain whitefish	251	172	SCALES		0	PIT	900026000056393
	0311	1	1061	Mountain whitefish	282	190	SCALES		2	PIT	900026000056195
	0311	1	1062	Mountain whitefish	268	216	SCALES		0	PIT	900026000147478

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0311	1	1063	Mountain whitefish	311	304	SCALES		0	PIT	900026000053201	
0311	1	1064	Bull trout	256	142	SCALES/FIN RAY	3	0	PIT	900026000147802	
0311	1	1065	Mountain whitefish	355	378	SCALES	6	2	FLOY		9397 YELLOW
0311	1	1066	Bull trout	281	198	SCALES/FIN RAY	3	0	PIT	900026000147519	
0311	1	1067	Mountain whitefish	353	378	SCALES		2	PIT	900026000052324	
0311	1	1068	Mountain whitefish	263	196	SCALES		0	PIT	900026000155156	
0311	1	1069	Mountain whitefish	339	352	SCALES		2	PIT	900026000054273	
0311	1	1070	Mountain whitefish	317	298	SCALES		0	PIT	900026000147669	
0311	1	1071	Mountain whitefish	321	304	SCALES		0	PIT	900026000083183	
0311	1	1072	Mountain whitefish	280	238	SCALES		0	PIT	900026000155296	
0311	1	1073	Mountain whitefish	284	202	SCALES		2	PIT	900026000147498	
0311	1	1074	Mountain whitefish	313	300	SCALES		2	PIT	900026000065240	
0309	1	1075	Mountain whitefish	325	332	SCALES		0	PIT	900026000148232	
0309	1	1076	Mountain whitefish	253	174	SCALES		0	PIT	900026000147472	
0309	1	1077	Mountain whitefish	267	198	SCALES		0	PIT	900026000146148	
0309	1	1078	Mountain whitefish	274	226	SCALES		2	PIT	900026000035304	
0309	1	1079	Mountain whitefish	418	678	SCALES		2	PIT	4D00020141	
0309	1	1080	Mountain whitefish	234	124	SCALES		0			
0309	1	1081	Mountain whitefish	317	300	SCALES		2	PIT	900026000053235	
0309	1	1082	Mountain whitefish	305	272	SCALES		0	PIT	900026000147021	
0309	1	1083	Mountain whitefish	266	202	SCALES		0	PIT	900026000154872	
0309	1	1084	Mountain whitefish	244	162	SCALES		0			
0309	1	1085	Mountain whitefish	353	348	SCALES		0	PIT	900026000051369	
0309	1	1086	Mountain whitefish	292	250	SCALES		2	PIT	900026000148269	
0309	1	1087	Mountain whitefish	234	138	SCALES	3	0			
0309	1	1088	Mountain whitefish	353	390	SCALES		2	PIT	900026000052324	
0309	1	1089	Mountain whitefish	274	230	SCALES		0	PIT	900026000083895	
0309	1	1090	Mountain whitefish	250	166	SCALES		0	PIT	900026000034681	
0309	1	1091	Mountain whitefish	320	328	SCALES		2	PIT	965000000243516	
0309	1	1092	Mountain whitefish	153	42	SCALES		0			
0309	1	1093	Mountain whitefish	366	382	SCALES		0	PIT	900026000146019	
0309	1	1094	Mountain whitefish	278	216	SCALES		0	PIT	900026000146098	
0309	1	1095	Mountain whitefish	280	216	SCALES		2	PIT	965000000087862	
0309	1	1096	Mountain whitefish	283	220	SCALES		2	PIT	900026000083370	
0309	1	1097	Mountain whitefish	286	254	SCALES		0	PIT	900026000154577	
0309	1	1098	Mountain whitefish	318	292	SCALES	6	2	PIT	965000000071089	
0309	1	1099	Mountain whitefish	288	212	SCALES		0	PIT	900026000147378	
0309	1	1100	Mountain whitefish	205	100	SCALES		0			
0309	1	1101	Mountain whitefish	293	258	SCALES		2	PIT	965000000068938	
0309	1	1102	Mountain whitefish	252	172	SCALES		0	PIT	900026000147767	
0309	1	1103	Mountain whitefish	253	160	SCALES		0	PIT	900026000148871	
0309	1	1104	Mountain whitefish	242	148	SCALES		0			
0309	1	1105	Mountain whitefish	203	90	SCALES		0			
0309	1	1106	Mountain whitefish	312	280	SCALES	5	2	PIT	965000000245258	
0309	1	1107	Mountain whitefish	271	230	SCALES		0	PIT	900026000053300	
0309	1	1108	Bull trout	452	1008			2	PIT	965000000084809	
0309	1	1109	Mountain whitefish	292	246	SCALES		2	PIT	965000000247360	
0309	1	1110	Mountain whitefish	282	234	SCALES		0	PIT	900026000056249	
0309	1	1111	Mountain whitefish	297	244	SCALES		0	PIT	900026000148991	
0309	1	1112	Mountain whitefish	340	348	SCALES		2	PIT	965000000245601	
0310	1	1113	Mountain whitefish	369	393	SCALES		2	PIT	965000000093205	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0310	1	1114	Mountain whitefish	312	272	SCALES		2	PIT	965000000068883	
0310	1	1115	Mountain whitefish	386	444	SCALES	10	2	PIT	900026000084114	
0310	1	1116	Mountain whitefish	327	338	SCALES		2	PIT	900026000148232	
0310	1	1117	Mountain whitefish	308	322	SCALES		2	PIT	965000000243557	
0310	1	1118	Mountain whitefish	320	292	SCALES		2	PIT	900026000035096	
0310	1	1119	Mountain whitefish	305	254	SCALES		2	PIT	965000000071680	
0310	1	1120	Mountain whitefish	367	380	SCALES		2	PIT	900026000146019	
0310	1	1121	Mountain whitefish	275	230	SCALES		2	PIT	900026000083550	
0310	1	1122	Mountain whitefish	283	254	SCALES		2	PIT	900026000060949	
0310	1	1123	Mountain whitefish	309	294	SCALES		2	PIT	965000000073024	
0310	1	1124	Mountain whitefish	321	344	SCALES		0	PIT	900026000154613	
0310	1	1125	Mountain whitefish	426	702	SCALES		0	PIT	900026000146162	
0310	1	1126	Mountain whitefish	297	246	SCALES		2	PIT	900026000065032	
0310	1	1127	Mountain whitefish	343	366	SCALES		2	PIT	965000000245941	
0310	1	1128	Mountain whitefish	307	304	SCALES		2	PIT	900026000052629	
0310	1	1129	Mountain whitefish	272	185	SCALES		2	PIT	965000000072569	
0310	1	1130	Mountain whitefish	265	232	SCALES		0	PIT	900026000154596	
0310	1	1131	Mountain whitefish	287	216	SCALES		2	PIT	900026000056080	
0310	1	1132	Mountain whitefish	277	210	SCALES	4	2	PIT	965000000080888	
0310	1	1133	Mountain whitefish	282	248	SCALES		0	PIT	900026000155453	
0310	1	1134	Mountain whitefish	315	296	SCALES		2	PIT	965000000087825	
0310	1	1135	Mountain whitefish	262	210	SCALES		0	PIT	900026000147090	
0310	1	1136	Mountain whitefish	295	268	SCALES		0	PIT	900026000154683	
0310	1	1137	Mountain whitefish	263	214	SCALES		0	PIT	900026000148530	
0310	1	1138	Mountain whitefish	279	234	SCALES		0	PIT	900026000154822	
0310	1	1139	Mountain whitefish	299	260	SCALES		0	PIT	900026000154692	
0310	1	1140	Mountain whitefish	282	226	SCALES	5	2	PIT	900026000083599	
0310	1	1141	Mountain whitefish	295	230	SCALES		2	PIT	900026000051505	
0310	1	1142	Mountain whitefish	296	254	SCALES		0	PIT	900026000148708	
0310	1	1143	Mountain whitefish	287	244	SCALES		2	PIT	900026000084125	
0310	1	1144	Mountain whitefish	257	194	SCALES	4	0	PIT	900026000154840	
0310	1	1145	Mountain whitefish	271	222	SCALES		2	PIT	900026000054045	
0310	1	1146	Mountain whitefish	275	240	SCALES		2	PIT	900026000064409	
0310	1	1147	Mountain whitefish	240	146	SCALES		0			
0310	1	1148	Mountain whitefish	205	88	SCALES		0			
0310	1	1149	Mountain whitefish	272	196	SCALES		2	PIT	900026000053796	
0310	1	1150	Mountain whitefish	285	234	SCALES		0	PIT	900026000147171	
0310	1	1151	Mountain whitefish	288	250	SCALES		0	PIT	900026000154608	
0310	1	1152	Mountain whitefish	152	38	SCALES		0			
0310	1	1153	Mountain whitefish	140	30	SCALES		0			
0310	1	1154	Mountain whitefish	272	244	SCALES		2	PIT	900026000054610	
0310	1	1155	Mountain whitefish	242	158	SCALES		0			
0310	1	1156	Mountain whitefish	230	130	SCALES		0			
0310	1	1157	Mountain whitefish	259	172	SCALES		0	PIT	900026000148481	
0310	1	1158	Mountain whitefish	276	224	SCALES		2	PIT	900026000055842	
0310	1	1159	Mountain whitefish	321	300	SCALES		2	FLOY	15790	WHITE
0310	1	1160	Mountain whitefish	313	274	SCALES	5	0	PIT	900026000154967	
0310	1	1161	Mountain whitefish	275	208	SCALES		0	PIT	900026000154666	
0310	1	1162	Mountain whitefish	265	214	SCALES		0	PIT	900026000054116	
0310	1	1163	Mountain whitefish	252	172	SCALES		0	PIT	900026000154570	
0310	1	1164	Mountain whitefish	231	138	SCALES		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0310	1	1165	Mountain whitefish	273	226	SCALES		0	PIT	900026000147351	
0310	1	1166	Mountain whitefish	286	250	SCALES		0	PIT	900026000053913	
0310	1	1167	Mountain whitefish	287	220	SCALES	5	0	PIT	900026000154556	
0310	1	1168	Bull trout	258	196	SCALES/FIN RAY	3	0	PIT	900026000155013	
0310	1	1169	Mountain whitefish	307	246	SCALES		2	PIT	900026000055797	
0310	1	1170	Mountain whitefish	316	322	SCALES	5	2	PIT	900026000061204	
0310	1	1171	Mountain whitefish	234	152	SCALES		0			
0310	1	1172	Mountain whitefish	257	156	SCALES		0	PIT	900026000147619	
0310	1	1173	Mountain whitefish	290	226	SCALES		0	PIT	900026000154790	
0310	1	1174	Mountain whitefish	298	266	SCALES	5	2	PIT	965000000245934	
0310	1	1175	Mountain whitefish	285	220	SCALES		0	PIT	900026000147847	
0312	1	1176	Mountain whitefish	445	756	SCALES		0	PIT	900026000155138	
0312	1	1177	Mountain whitefish	397	496	SCALES		0	PIT	900026000155135	
0312	1	1178	Mountain whitefish	289	276	SCALES		0	PIT	900026000147184	
0312	1	1179	Mountain whitefish	431	660	SCALES		2	PIT	965000000244489	
0312	1	1180	Mountain whitefish	283	236	SCALES		0	PIT	900026000154634	
0312	1	1181	Mountain whitefish	285	248	SCALES		0	PIT	900026000053983	
0312	1	1182	Mountain whitefish	395	504	SCALES	8	2	PIT	900026000064316	
0312	1	1183	Mountain whitefish	331	324	SCALES		2	PIT	965000000082370	
0312	1	1184	Mountain whitefish	350	444	SCALES		2	PIT	900026000055878	
0312	1	1185	Mountain whitefish	284	222	SCALES	5	2	PIT	900026000052146	
0312	1	1186	Mountain whitefish	347	358	SCALES		2	PIT	4D00033876	
0312	1	1187	Mountain whitefish	211	104	SCALES		0			
0312	1	1188	Mountain whitefish	273	210	SCALES		0	PIT	900026000053756	
0312	1	1189	Mountain whitefish	323	352	SCALES		0	PIT	900026000154655	
0312	1	1190	Bull trout	301	254	SCALES/FIN RAY	4	0	PIT	900026000155051	
0312	1	1191	Mountain whitefish	299	294	SCALES		2	PIT	965000000243503	
0312	1	1192	Mountain whitefish	203	102	SCALES		0			
0312	1	1193	Mountain whitefish	272	202	SCALES		2	PIT	900026000055855	
0312	1	1194	Mountain whitefish	208	94	SCALES		0			
0312	1	1195	Mountain whitefish	322	318	SCALES		2	PIT	965000000242419	
0312	1	1196	Mountain whitefish	283	254	SCALES		0	PIT	900026000155421	
0312	1	1197	Mountain whitefish	256	206	SCALES	4	0	PIT	900026000147342	
0312	1	1198	Mountain whitefish	255	186	SCALES		0	PIT	900026000154818	
0312	1	1199	Mountain whitefish	302	272	SCALES		2	PIT	900026000147811	
0312	1	1200	Mountain whitefish	373	412	SCALES		2	PIT	965000000242822	
0312	1	1201	Mountain whitefish	248	176	SCALES		0			
0312	1	1202	Mountain whitefish	271	218	SCALES		0	PIT	900026000154938	
0312	1	1203	Mountain whitefish	233	142	SCALES		0			
0312	1	1204	Mountain whitefish	302	284	SCALES	6	0	PIT	900026000148587	
0312	1	1205	Mountain whitefish	138	36	SCALES		0			
0312	1	1206	Mountain whitefish	239	156	SCALES		0			
0312	1	1207	Mountain whitefish	148	44	SCALES		0			
0312	1	1208	Bull trout	257	158	SCALES/FIN RAY	3	0	PIT	900026000154913	
0312	1	1209	Mountain whitefish	273	208	SCALES		2	PIT	900026000055982	
0312	1	1210	Mountain whitefish	309	294	SCALES		0	PIT	900026000051984	
0312	1	1211	Bull trout	326	362	SCALES/FIN RAY	4	0	PIT	900026000154619	
0312	1	1212	Mountain whitefish	365	344	SCALES		0	PIT	900026000155494	
0312	1	1213	Mountain whitefish	148	38	SCALES		0			
0302	2	2164	Mountain whitefish	348	366	SCALES	7	0	PIT	900026000154643	
0302	2	2165	Mountain whitefish	384	546	SCALES		2	PIT	900026000083786	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0302	2	2166	Mountain whitefish	298	264	SCALES		0	PIT	900026000155336	
0302	2	2167	Mountain whitefish	394	580	SCALES		0	PIT	900026000055432	
0302	2	2168	Mountain whitefish	363	462	SCALES		0	PIT	900026000155243	
0302	2	2169	Mountain whitefish	374	498	SCALES		0	PIT	900026000147929	
0302	2	2170	Mountain whitefish	367	428	SCALES		2	PIT	900026000052907	
0302	2	2171	Mountain whitefish	392	550	SCALES		0	PIT	900026000148863	
0302	2	2172	Mountain whitefish	323	308	SCALES		2	PIT	965000000246733	
0302	2	2173	Mountain whitefish	321	314	SCALES		2	PIT	965000000091556	
0302	2	2174	Mountain whitefish	321	298	SCALES		2	PIT	965000000281050	
0302	2	2175	Mountain whitefish	263	256	SCALES		0	PIT	900026000055463	
0302	2	2176	Mountain whitefish	324	402	SCALES		0	PIT	900026000053648	
0302	2	2177	Mountain whitefish	310	410	SCALES		0			
0302	2	2178	Mountain whitefish	372	504	SCALES		2	PIT	965000000282556	
0302	2	2179	Mountain whitefish	270	214	SCALES		0	PIT	900026000147174	
0302	2	2180	Mountain whitefish	304	262	SCALES		0	PIT	900026000146005	
0302	2	2181	Mountain whitefish	330	340	SCALES		0	PIT	900026000146189	
0302	2	2182	Mountain whitefish	299	268	SCALES	5	0	PIT	900026000154832	
0302	2	2183	Mountain whitefish	209	108	SCALES		0			
0302	2	2184	Mountain whitefish	327	342	SCALES		2	FLOY	8846	YELLOW
0302	2	2185	Mountain whitefish	334	354	SCALES	6	2	PIT	965000000113991	
0302	2	2186	Mountain whitefish	191	74	SCALES		0			
0302	2	2187	Mountain whitefish	228	132	SCALES		0			
0302	2	2188	Mountain whitefish	254	172	SCALES		0	PIT	900026000147159	
0302	2	2189	Mountain whitefish	232	134	SCALES		0			
0302	2	2190	Mountain whitefish	197	84	SCALES		0			
0302	2	2191	Mountain whitefish	228	130	SCALES		0			
0302	2	2192	Mountain whitefish	187	70	SCALES		0			
0302	2	2193	Mountain whitefish	184	64	SCALES		0			
0302	2	2194	Bull trout	256	168	SCALES/FIN RAY	4	0	PIT	900026000154850	
0302	2	2195	Mountain whitefish	322	264	SCALES		0	PIT	900026000051147	
0302	2	2196	Mountain whitefish	315	278	SCALES		2	PIT	965000000247435	
0302	2	2197	Mountain whitefish	232	146	SCALES		0			
0302	2	2198	Mountain whitefish	282	232	SCALES		2	PIT	965000000105473	
0302	2	2199	Mountain whitefish	268	220	SCALES		0	PIT	900026000148882	
0302	2	2200	Mountain whitefish	261	178	SCALES		0	PIT	900026000147923	
0302	2	2201	Mountain whitefish	201	90	SCALES		0			
0302	2	2202	Mountain whitefish	307	238	SCALES		2	PIT	965000000243514	
0302	2	2203	Mountain whitefish	302	278	SCALES	4	0	PIT	900026000154828	
0302	2	2204	Mountain whitefish	203	94	SCALES		0			
0302	2	2205	Mountain whitefish	287	240	SCALES		2	PIT	900026000054905	
0302	2	2206	Mountain whitefish	328	348	SCALES		0	PIT	900026000148206	
0302	2	2207	Mountain whitefish	237	138	SCALES		0			
0302	2	2208	Mountain whitefish	188	74	SCALES		0			
0302	2	2209	Mountain whitefish	148	38	SCALES		0			
0302	2	2210	Mountain whitefish	247	166	SCALES		0			
0302	2	2211	Bull trout	387	626	FIN RAY	4	0	PIT	900026000053781	
0302	2	2212	Mountain whitefish	346	420	SCALES		0	PIT	900026000056740	
0302	2	2213	Mountain whitefish	328	340	SCALES		2	PIT	900026000060626	
0302	2	2214	Mountain whitefish	297	250	SCALES		0	PIT	900026000155392	
0302	2	2215	Mountain whitefish	252	154	SCALES		0	PIT	900026000083311	
0302	2	2216	Mountain whitefish	279	244	SCALES		0	PIT	900026000148880	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0302	2	2217	Mountain whitefish	232	132	SCALES		0			
0302	2	2218	Mountain whitefish	294	254	SCALES		0	PIT	900026000148519	
0302	2	2219	Mountain whitefish	269	226	SCALES		2	PIT	900026000148805	
0302	2	2220	Mountain whitefish	242	146	SCALES		0			
0302	2	2221	Mountain whitefish	261	194	SCALES		0	PIT	900026000053915	
0302	2	2222	Mountain whitefish	200	86	SCALES		0			
0302	2	2223	Mountain whitefish	269	208	SCALES		0	PIT	900026000155000	
0302	2	2224	Mountain whitefish	244	160	SCALES	4	0			
0302	2	2225	Mountain whitefish	271	226	SCALES		0	PIT	900026000084027	
0302	2	2226	Mountain whitefish	251	168	SCALES		0	PIT	900026000147047	
0302	2	2227	Mountain whitefish	154	40	SCALES		0			
0302	2	2228	Mountain whitefish	282	240	SCALES		0	PIT	900026000148197	
0302	2	2229	Mountain whitefish	283	226	SCALES	4	0	PIT	900026000147641	
0302	2	2230	Mountain whitefish	301	294	SCALES		0	PIT	900026000154797	
0302	2	2231	Mountain whitefish	317	306	SCALES		2	PIT	965000000092524	
0302	2	2232	Mountain whitefish	274	210	SCALES		2	PIT	900026000083493	
0302	2	2233	Mountain whitefish	247	160	SCALES		0			
0302	2	2234	Mountain whitefish	269	202	SCALES	5	2	PIT	900026000064077	
0302	2	2235	Mountain whitefish	312	300	SCALES		0	PIT	900026000155041	
0302	2	2236	Mountain whitefish	294	258	SCALES		0	PIT	900026000148977	
0302	2	2237	Mountain whitefish	281	238	SCALES		0	PIT	900026000051167	
0302	2	2238	Mountain whitefish	333	308	SCALES		0	PIT	900026000154902	
0302	2	2239	Mountain whitefish	274	228	SCALES		0	PIT	900026000154953	
0302	2	2240	Mountain whitefish	252	164	SCALES	4	0	PIT	900026000154723	
0302	2	2241	Mountain whitefish	287	250	SCALES	4	2	PIT	900026000148932	
0301	2	2242	Mountain whitefish	298	256	SCALES		2	PIT	965000000089776	
0301	2	2243	Mountain whitefish	270	204	SCALES		0	PIT	900026000147711	
0301	2	2244	Mountain whitefish	290	278	SCALES		2	PIT	900026000083941	
0301	2	2245	Mountain whitefish	257	192	SCALES		0	PIT	900026000154895	
0301	2	2246	Mountain whitefish	282	222	SCALES		0	PIT	900026000147088	
0301	2	2247	Mountain whitefish	267	196	SCALES		0	PIT	900026000055141	
0301	2	2248	Mountain whitefish	372	512	SCALES		2	PIT	965000000282556	
0301	2	2249	Mountain whitefish	263	192	SCALES		0	PIT	900026000147013	
0301	2	2250	Mountain whitefish	207	94	SCALES		0			
0301	2	2251	Mountain whitefish	294	240	SCALES		2	PIT	965000000247013	
0301	2	2252	Mountain whitefish	374	508	SCALES		2	PIT	900026000147929	
0301	2	2253	Mountain whitefish	199	94	SCALES		0			
0301	2	2254	Mountain whitefish	238	158	SCALES		0			
0303	2	2255	Bull trout	501	1154			2	PIT	900026000065054	
0303	2	2256	Mountain whitefish	137	26	SCALES		0			
0303	2	2257	Rainbow trout	185	70	SCALES		0			
0303	2	2258	Mountain whitefish	317	310	SCALES		0	PIT	900026000147463	
0303	2	2259	Mountain whitefish	305	270	SCALES		0	PIT	900026000053742	
0303	2	2260	Mountain whitefish	272	198	SCALES		0	PIT	900026000146159	
0303	2	2261	Mountain whitefish	210	94	SCALES		0			
0303	2	2262	Mountain whitefish	281	226	SCALES		2	PIT	900026000147088	
0303	2	2263	Mountain whitefish	233	132	SCALES		0			
0303	2	2264	Mountain whitefish	227	110	SCALES		0			
0304	2	2265	Mountain whitefish	287	240	SCALES		2	PIT	900026000051240	
0304	2	2266	Mountain whitefish	375	416	SCALES		0	PIT	900026000147216	
0304	2	2267	Mountain whitefish	427	948	SCALES		2	FLOY	13205	WHITE

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0304	2	2268	Mountain whitefish	367	390	SCALES		2	PIT	900026000065458	
0304	2	2269	Mountain whitefish	345	390	SCALES	5	0	PIT	900026000051484	
0304	2	2270	Mountain whitefish	317	314	SCALES		0	PIT	900026000148374	
0304	2	2271	Mountain whitefish	289	274	SCALES		2	PIT	900026000035413	
0304	2	2272	Mountain whitefish	355	410	SCALES	7	2	PIT	900026000148523	
0304	2	2273	Mountain whitefish	334	340	SCALES		0	PIT	900026000155199	
0304	2	2274	Mountain whitefish	313	308	SCALES		0	PIT	900026000148381	
0304	2	2275	Mountain whitefish	307	272	SCALES		2	PIT	900026000148440	
0304	2	2276	Mountain whitefish	304	270	SCALES		2	PIT	965000000110218	
0304	2	2277	Mountain whitefish	286	262	SCALES		2	PIT	965000000243317	
0304	2	2278	Mountain whitefish	333	324	SCALES		0	PIT	900026000154694	
0304	2	2279	Mountain whitefish	302	270	SCALES		0	PIT	900026000055415	
0304	2	2280	Mountain whitefish	293	254	SCALES		0	PIT	900026000083890	
0304	2	2281	Mountain whitefish	285	260	SCALES		0	PIT	900026000155014	
0304	2	2282	Mountain whitefish	325	318	SCALES		2	PIT	965000000238153	
0304	2	2283	Mountain whitefish	319	322	SCALES		2	PIT	900026000146214	
0304	2	2284	Mountain whitefish	305	272	SCALES		0	PIT	900026000055785	
0304	2	2285	Mountain whitefish	245	156	SCALES		0			
0304	2	2286	Mountain whitefish	295	272	SCALES		2	PIT	900026000061447	
0304	2	2287	Mountain whitefish	333	318	SCALES		0	PIT	900026000148551	
0304	2	2288	Mountain whitefish	292	284	SCALES		2	PIT	900026000051157	
0304	2	2289	Mountain whitefish	339	382	SCALES		2	PIT	965000000090852	
0304	2	2290	Mountain whitefish	222	132	SCALES	3	0			
0304	2	2291	Mountain whitefish	293	254	SCALES		2	PIT	900026000148631	
0304	2	2292	Mountain whitefish	262	202	SCALES		0	PIT	900026000147085	
0304	2	2293	Mountain whitefish	329	320	SCALES		0	PIT	900026000154784	
0304	2	2294	Mountain whitefish	278	224	SCALES		2	PIT	900026000064117	
0304	2	2295	Mountain whitefish	130	30	SCALES		0			
0304	2	2296	Mountain whitefish	316	326	SCALES		2	PIT	900026000147463	
0304	2	2297	Mountain whitefish	299	270	SCALES		0	PIT	900026000146244	
0304	2	2298	Mountain whitefish	312	278	SCALES		2	PIT	965000000071648	
0304	2	2299	Mountain whitefish	328	252	SCALES		2	PIT	965000000245949	
0304	2	2300	Mountain whitefish	330	364	SCALES		2	PIT	900026000051363	
0304	2	2301	Mountain whitefish	268	218	SCALES		0	PIT	900026000154804	
0304	2	2302	Mountain whitefish	242	158	SCALES		0			
0304	2	2303	Mountain whitefish	319	372	SCALES		0	PIT	900026000147632	
0304	2	2304	Mountain whitefish	278	236	SCALES		0	PIT	900026000056017	
0304	2	2305	Mountain whitefish	258	170	SCALES		0	PIT	900026000155169	
0304	2	2306	Mountain whitefish	211	118	SCALES		0			
0304	2	2307	Mountain whitefish	308	300	SCALES		0	PIT	900026000154729	
0304	2	2308	Mountain whitefish	277	222	SCALES		0	PIT	900026000055445	
0304	2	2309	Mountain whitefish	266	184	SCALES	5	0	PIT	900026000084098	
0304	2	2310	Mountain whitefish	260	192	SCALES		0	PIT	900026000146110	
0305	2	2311	Mountain whitefish	380	468	SCALES		2	PIT	965000000282346	
0305	2	2312	Mountain whitefish	434	932	SCALES		0	PIT	900026000147110	
0305	2	2313	Mountain whitefish	319	304	SCALES		0	PIT	900026000055246	
0305	2	2314	Mountain whitefish	318	308	SCALES		0	PIT	900026000147151	
0305	2	2315	Mountain whitefish	295	260	SCALES		2	PIT	900026000083583	
0305	2	2316	Mountain whitefish	230	142	SCALES		0			
0305	2	2317	Mountain whitefish	307	278	SCALES		2	PIT	900026000033792	
0305	2	2318	Mountain whitefish	289	244	SCALES		2	PIT	900026000051479	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0305	2	2319	Mountain whitefish	330	340	SCALES	7	2	PIT	965000000106802	
0305	2	2320	Mountain whitefish	312	308	SCALES		0	PIT	900026000155210	
0305	2	2321	Mountain whitefish	292	266	SCALES		0	PIT	900026000148906	
0305	2	2322	Mountain whitefish	297	264	SCALES		2	PIT	900026000146244	
0305	2	2323	Bull trout	273	208	SCALES/FIN RAY	3	0	PIT	900026000148527	
0305	2	2324	Mountain whitefish	372	406	SCALES		2	PIT	900026000147216	
0305	2	2325	Mountain whitefish	366	498	SCALES		0	PIT	900026000155489	
0305	2	2326	Mountain whitefish	315	308	SCALES		2	PIT	900026000146214	
0305	2	2327	Mountain whitefish	278	192	SCALES		2	PIT	900026000064722	
0305	2	2328	Mountain whitefish	368	384	SCALES		0	PIT	900026000083317	
0305	2	2329	Mountain whitefish	327	294	SCALES		2	PIT	965000000247026	
0305	2	2330	Mountain whitefish	250	174	SCALES		0	PIT	900026000146047	
0305	2	2331	Mountain whitefish	150	30	SCALES		0			
0305	2	2332	Mountain whitefish	263	186	SCALES		2	PIT	900026000147085	
0305	2	2333	Mountain whitefish	334	326	SCALES		2	PIT	900026000155199	
0305	2	2334	Mountain whitefish	303	328	SCALES		2	PIT	965000000282869	
0305	2	2335	Bull trout	308	290			2	PIT	900026000057461	
0305	2	2336	Mountain whitefish	295	258	SCALES		2	PIT	900026000147649	
0305	2	2337	Mountain whitefish	270	214	SCALES		0	PIT	900026000055229	
0305	2	2338	Mountain whitefish	312	332	SCALES		0	PIT	900026000147905	
0305	2	2339	Bull trout	194	86	SCALES	2	0			
0305	2	2340	Mountain whitefish	196	74	SCALES		0			
0305	2	2341	Mountain whitefish	276	202	SCALES		2	PIT	965000000281814	
0305	2	2342	Mountain whitefish	270	212	SCALES		0	PIT	900026000154923	
0305	2	2343	Mountain whitefish	280	234	SCALES		0	PIT	900026000051988	
0305	2	2344	Mountain whitefish	352	390	SCALES		2	PIT	4D00044544	
0305	2	2345	Mountain whitefish	267	206	SCALES		2	PIT	900026000154804	
0305	2	2346	Mountain whitefish	154	46	SCALES		0			
0305	2	2347	Mountain whitefish	210	98	SCALES	2	0			
0305	2	2348	Mountain whitefish	145	32	SCALES		0			
0305	2	2349	Mountain whitefish	151	40	SCALES	1	0			
0305	2	2350	Mountain whitefish	207	84	SCALES		0			
0306	2	2351	Mountain whitefish	303	302	SCALES		2	PIT	900026000052540	
0306	2	2352	Mountain whitefish	354	378	SCALES		0	PIT	900026000148007	
0306	2	2353	Mountain whitefish	372	514	SCALES		2	PIT	965000000069302	
0306	2	2354	Bull trout	424	754			2	PIT	900026000154812	
0306	2	2355	Mountain whitefish	430	748	SCALES		0	PIT	900026000146018	
0306	2	2356	Mountain whitefish	332	354	SCALES		0	PIT	900026000055154	
0306	2	2357	Mountain whitefish	340	420	SCALES	6	2	PIT	965000000248005	
0306	2	2358	Mountain whitefish	316	288	SCALES	5	2	PIT	900026000054303	
0306	2	2359	Mountain whitefish	324	318	SCALES		2	PIT	0A00720221	
0306	2	2360	Mountain whitefish	296	288	SCALES		2	PIT	900026000155185	
0306	2	2361	Mountain whitefish	299	270	SCALES		0	PIT	900026000051434	
0306	2	2362	Mountain whitefish	261	214	SCALES		0	PIT	900026000155441	
0306	2	2363	Mountain whitefish	300	296	SCALES		0	PIT	900026000053631	
0306	2	2364	Mountain whitefish	383	532	SCALES		2	PIT	965000000077666	
0306	2	2365	Mountain whitefish	289	236	SCALES		0	PIT	900026000147224	
0306	2	2366	Mountain whitefish	282	220	SCALES		0	PIT	900026000083688	
0306	2	2367	Mountain whitefish	263	196	SCALES		2	PIT	900026000035611	
0306	2	2368	Mountain whitefish	259	182	SCALES		0	PIT	900026000147415	
0306	2	2369	Mountain whitefish	324	310	SCALES		2	PIT	900026000064036	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0306	2	2370	Bull trout	461	966	FIN RAY	4	0	PIT	900026000148152
	0306	2	2371	Mountain whitefish	371	466	SCALES		0	PIT	900026000055847
	0306	2	2372	Mountain whitefish	288	248	SCALES		0	PIT	900026000147636
	0306	2	2373	Mountain whitefish	244	162	SCALES		0		
	0306	2	2374	Mountain whitefish	282	236	SCALES		0	PIT	900026000055177
	0314	2	2375	Bull trout	610	2540		2	PIT	965000000245713	
	0314	2	2376	Mountain whitefish	347	366	SCALES		0	PIT	900026000154767
	0314	2	2377	Mountain whitefish	272	204	SCALES	2	PIT	900026000054182	
	0314	2	2378	Mountain whitefish	287	260	SCALES	2	PIT	965000000248074	
	0314	2	2379	Mountain whitefish	321	304	SCALES	2	PIT	965000000240865	
	0314	2	2380	Mountain whitefish	311	280	SCALES	0	PIT	900026000147651	
	0314	2	2381	Mountain whitefish	300	270	SCALES	2	PIT	900026000147290	
	0314	2	2382	Mountain whitefish	237	138	SCALES		0		
	0314	2	2383	Mountain whitefish	252	164	SCALES		0	PIT	900026000155112
	0314	2	2384	Mountain whitefish	248	178	SCALES		0		
	0314	2	2385	Mountain whitefish	317	320	SCALES	2	PIT	900026000147463	
	0314	2	2386	Mountain whitefish	249	186	SCALES		0		
	0314	2	2387	Mountain whitefish	291	252	SCALES	2	PIT	900026000054851	
	0314	2	2388	Mountain whitefish	243	158	SCALES		0		
	0314	2	2389	Mountain whitefish	259	190	SCALES		0	PIT	900026000155191
	0314	2	2390	Mountain whitefish	330	448	SCALES		0	PIT	900026000053939
	0314	2	2391	Mountain whitefish	280	240	SCALES	5	0	PIT	900026000155248
	0314	2	2392	Mountain whitefish	322	338	SCALES		0	PIT	900026000147686
	0314	2	2393	Mountain whitefish	300	270	SCALES		0	PIT	900026000084019
	0314	2	2394	Mountain whitefish	269	206	SCALES		0	PIT	900026000053965
	0314	2	2395	Bull trout	210	108	SCALES/FIN RAY	2	0	PIT	900026000147820
	0314	2	2396	Mountain whitefish	286	216	SCALES		0	PIT	900026000148808
	0314	2	2397	Mountain whitefish	296	224	SCALES		2	PIT	900026000057077
	0314	2	2398	Mountain whitefish	230	126	SCALES		0		
	0315	2	2399	Rainbow trout	144	42	SCALES		0		
	0315	2	2400	Mountain whitefish	286	246	SCALES		0	PIT	900026000146239
	0315	2	2401	Bull trout	507	1250			2	PIT	900026000034634
	0315	2	2402	Bull trout	471	1078	FIN RAY	7	0	PIT	900026000146026
	0315	2	2403	Mountain whitefish	370	512	SCALES		2	PIT	965000000069302
	0315	2	2404	Mountain whitefish	328	294	SCALES		0	PIT	900026000148176
	0315	2	2405	Mountain whitefish	315	288	SCALES		2	PIT	900026000054303
	0315	2	2406	Mountain whitefish	308	308	SCALES	7	2	PIT	965000000241888
	0315	2	2407	Mountain whitefish	300	278	SCALES		0	PIT	900026000148853
	0315	2	2408	Mountain whitefish	299	276	SCALES		0	PIT	900026000154592
	0315	2	2409	Mountain whitefish	289	264	SCALES	5	2	PIT	965000000110930
	0315	2	2410	Mountain whitefish	318	324	SCALES		0	PIT	900026000064377
	0315	2	2411	Mountain whitefish	290	242	SCALES		2	PIT	900026000051437
	0315	2	2412	Mountain whitefish	328	308	SCALES		2	PIT	965000000091931
	0315	2	2413	Mountain whitefish	277	210	SCALES		2	PIT	900026000053693
	0315	2	2414	Mountain whitefish	272	222	SCALES		2	PIT	965000000072164
	0315	2	2415	Mountain whitefish	368	414	SCALES		2	PIT	965000000079590
	0315	2	2416	Mountain whitefish	160	46	SCALES		0		
	0315	2	2417	Mountain whitefish	314	318	SCALES		0	PIT	900026000057597
	0315	2	2418	Mountain whitefish	346	372	SCALES		2	PIT	900026000053986
	0315	2	2419	Mountain whitefish	280	230	SCALES		2	PIT	900026000063476
	0315	2	2420	Mountain whitefish	304	252	SCALES		0	PIT	900026000147152

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0315	2	2421	Mountain whitefish	253	168	SCALES		2	PIT	900026000146994
	0315	2	2422	Mountain whitefish	141	32	SCALES		0		
	0315	2	2423	Mountain whitefish	285	254	SCALES		2	PIT	965000000066806
	0315	2	2424	Mountain whitefish	268	216	SCALES	4	0	PIT	900026000148560
	0315	2	2425	Mountain whitefish	207	98	SCALES		0		
	0315	2	2426	Bull trout	233	138	SCALES/FIN RAY	3	0	PIT	900026000155181
	0315	2	2427	Mountain whitefish	340	432	SCALES		2	PIT	965000000086989
	0315	2	2428	Mountain whitefish	314	254	SCALES		2	PIT	965000000246182
	0315	2	2429	Mountain whitefish	133	24	SCALES		0		
	0307	2	2430	Mountain whitefish	333	332	SCALES		2	PIT	965000000239256
	0307	2	2431	Mountain whitefish	251	172	SCALES		0	PIT	900026000083383
	0307	2	2432	Mountain whitefish	277	210	SCALES		2	PIT	900026000148383
	0307	2	2433	Mountain whitefish	333	362	SCALES		0	PIT	900026000147756
	0307	2	2434	Mountain whitefish	272	216	SCALES		0	PIT	900026000147070
	0307	2	2435	Mountain whitefish	291	248	SCALES		0	PIT	900026000155446
	0307	2	2436	Mountain whitefish	274	244	SCALES		0	PIT	900026000034703
	0307	2	2437	Mountain whitefish	322	308	SCALES		0	PIT	900026000154725
	0307	2	2438	Mountain whitefish	297	254	SCALES		2	PIT	900026000065026
	0307	2	2439	Mountain whitefish	224	120	SCALES		0		
	0307	2	2440	Mountain whitefish	293	262	SCALES		0	PIT	900026000056765
	0307	2	2441	Mountain whitefish	154	40	SCALES		0		
	0307	2	2442	Mountain whitefish	290	204	SCALES		0	PIT	900026000155069
	0307	2	2443	Mountain whitefish	289	228	SCALES		0	PIT	900026000146023
	0307	2	2444	Mountain whitefish	368	470	SCALES		0	PIT	900026000051691
	0307	2	2445	Mountain whitefish	327	314	SCALES		2	PIT	965000000244582
	0307	2	2446	Mountain whitefish	347	350	SCALES		2	PIT	965000000243054
	0307	2	2447	Mountain whitefish	272	212	SCALES		2	PIT	900026000083276
	0307	2	2448	Mountain whitefish	258	182	SCALES		0	PIT	900026000155125
	0307	2	2449	Mountain whitefish	250	176	SCALES		0	PIT	900026000148682
	0307	2	2450	Mountain whitefish	273	208	SCALES		2	PIT	900026000056994
	0307	2	2451	Mountain whitefish	279	230	SCALES		2	PIT	900026000055450
	0307	2	2452	Mountain whitefish	234	118	SCALES		0		
	0307	2	2453	Mountain whitefish	267	202	SCALES		0	PIT	900026000154859
	0307	2	2454	Mountain whitefish	287	230	SCALES		0	PIT	900026000147581
	0307	2	2455	Mountain whitefish	212	98	SCALES		0		
	0307	2	2456	Mountain whitefish	347	374	SCALES		0	PIT	900026000035364
	0307	2	2457	Mountain whitefish	257	178	SCALES		0	PIT	900026000155463
	0307	2	2458	Mountain whitefish	263	176	SCALES		0	PIT	900026000146062
	0307	2	2459	Mountain whitefish	298	274	SCALES		2	PIT	900026000065432
	0307	2	2460	Mountain whitefish	336	326	SCALES		2	PIT	900026000055122
	0307	2	2461	Mountain whitefish	318	258	SCALES		2	PIT	965000000245172
	0307	2	2462	Mountain whitefish	275	218	SCALES		2	PIT	965000000109619
	0307	2	2463	Mountain whitefish	306	274	SCALES		0	PIT	900026000056088
	0307	2	2464	Mountain whitefish	355	384	SCALES		0	PIT	900026000155417
	0307	2	2465	Mountain whitefish	304	266	SCALES		2	PIT	900026000147697
	0307	2	2466	Mountain whitefish	305	278	SCALES		0	PIT	900026000148499
	0307	2	2467	Mountain whitefish	237	140	SCALES		0		
	0307	2	2468	Mountain whitefish	308	254	SCALES		0	PIT	900026000154563
	0307	2	2469	Mountain whitefish	260	190	SCALES		0	PIT	900026000147853
	0307	2	2470	Mountain whitefish	271	210	SCALES		0	PIT	900026000155239
	0308	2	2471	Bull trout	474	1076			2	PIT	900026000146026

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0308	2	2472	Mountain whitefish	432	722	SCALES		2	PIT	900026000147008	
0308	2	2473	Mountain whitefish	290	280	SCALES		2	PIT	965000000005634	
0308	2	2474	Mountain whitefish	352	358	SCALES		0	PIT	900026000084001	
0308	2	2475	Mountain whitefish	365	386	SCALES	9	0	PIT	900026000147886	
0308	2	2476	Mountain whitefish	326	348	SCALES		2	PIT	965000000070441	
0308	2	2477	Mountain whitefish	320	308	SCALES		2	PIT	900026000148402	
0308	2	2478	Mountain whitefish	307	290	SCALES		0	PIT	900026000053868	
0308	2	2479	Mountain whitefish	290	266	SCALES	4	2	PIT	900026000155065	
0308	2	2480	Mountain whitefish	290	260	SCALES		0	PIT	900026000155449	
0308	2	2481	Bull trout	220	106			2	PIT	900026000154807	
0308	2	2482	Bull trout	220	106		2	0	PIT	900026000147620	
0308	2	2483	Mountain whitefish	307	274	SCALES		2	PIT	0A00744565	
0308	2	2484	Mountain whitefish	204	80	SCALES		0			
0308	2	2485	Mountain whitefish	258	176	SCALES		0	PIT	900026000055915	
0308	2	2486	Mountain whitefish	334	332	SCALES		0	PIT	900026000147444	
0308	2	2487	Mountain whitefish	313	332	SCALES		0	PIT	900026000155290	
0308	2	2488	Mountain whitefish	344	336	SCALES		2	PIT	965000000244204	
0308	2	2489	Mountain whitefish	223	114	SCALES		0			
0308	2	2490	Mountain whitefish	283	262	SCALES		2	PIT	965000000281266	
0308	2	2491	Mountain whitefish	289	250	SCALES		0	PIT	900026000146129	
0308	2	2492	Mountain whitefish	343	344	SCALES		2	PIT	965000000083688	
0308	2	2493	Mountain whitefish	252	168	SCALES		0	PIT	900026000154754	
0308	2	2494	Mountain whitefish	279	210	SCALES		2	PIT	900026000083922	
0308	2	2495	Mountain whitefish	306	260	SCALES		2	PIT	965000000281758	
0308	2	2496	Mountain whitefish	323	314	SCALES	7	2	PIT	900026000083614	
0308	2	2497	Mountain whitefish	242	158	SCALES		0			
0308	2	2498	Mountain whitefish	228	126	SCALES		0			
0308	2	2499	Mountain whitefish	295	274	SCALES		2	PIT	900026000054358	
0308	2	2500	Mountain whitefish	315	278	SCALES		0	PIT	900026000055910	
0308	2	2501	Mountain whitefish	304	292	SCALES		2	PIT	965000000072619	
0308	2	2502	Mountain whitefish	267	224	SCALES		2	PIT	900026000083316	
0308	2	2503	Mountain whitefish	323	342	SCALES		2	PIT	965000000281520	
0308	2	2504	Mountain whitefish	148	36	SCALES		0			
0308	2	2505	Mountain whitefish	304	254	SCALES		2	PIT	965000000243869	
0308	2	2506	Mountain whitefish	136	26	SCALES		0			
0308	2	2507	Mountain whitefish	243	138	SCALES		0			
0308	2	2508	Mountain whitefish	267	204	SCALES		0	PIT	900026000148012	
0308	2	2509	Mountain whitefish	297	242	SCALES		0	PIT	900026000154796	
0308	2	2510	Mountain whitefish	275	198	SCALES		2	PIT	900026000052674	
0308	2	2511	Mountain whitefish	278	256	SCALES	5	0	PIT	900026000146063	
0316	2	2512	Mountain whitefish	270	220	SCALES		2	PIT	900026000055591	
0316	2	2513	Mountain whitefish	301	284	SCALES	5	0	PIT	900026000148867	
0316	2	2514	Mountain whitefish	197	74	SCALES		0			
0316	2	2515	Mountain whitefish	266	210	SCALES		0	PIT	900026000155204	
0316	2	2516	Mountain whitefish	284	240	SCALES		2	PIT	900026000054112	
0316	2	2517	Mountain whitefish	302	260	SCALES		2	PIT	965000000281059	
0316	2	2518	Mountain whitefish	303	266	SCALES		0	PIT	900026000148594	
0316	2	2519	Mountain whitefish	297	240	SCALES		0	PIT	900026000147709	
0316	2	2520	Mountain whitefish	259	206	SCALES		0	PIT	900026000148305	
0316	2	2521	Mountain whitefish	266	226	SCALES		0	PIT	900026000147426	
0316	2	2522	Mountain whitefish	158	42	SCALES		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0316	2	2523	Mountain whitefish	430	702	SCALES		2	PIT	965000000083630
	0316	2	2524	Mountain whitefish	302	268	SCALES		2	PIT	900026000061118
	0316	2	2525	Mountain whitefish	156	44	SCALES		0		
	0316	2	2526	Mountain whitefish	304	342	SCALES	5	0	PIT	900026000147050
	0316	2	2527	Mountain whitefish	300	294	SCALES		0	PIT	900026000035127
	0316	2	2528	Rainbow trout	280	300	SCALES		0	PIT	900026000083608
	0316	2	2529	Mountain whitefish	265	212	SCALES	4	0	PIT	900026000154697
	0316	2	2530	Mountain whitefish	262	202	SCALES		0	PIT	900026000148265
	0316	2	2531	Mountain whitefish	233	136	SCALES		0		
	0316	2	2532	Mountain whitefish	302	284	SCALES		0	PIT	900026000148494
	0316	2	2533	Mountain whitefish	162	46	SCALES		0		
	0316	2	2534	Mountain whitefish	281	244	SCALES		0	PIT	900026000146147
	0316	2	2535	Mountain whitefish	151	36	SCALES		0		
	0316	2	2536	Mountain whitefish	273	260	SCALES		2	PIT	965000000079045
	0316	2	2537	Mountain whitefish	272	220	SCALES		0	PIT	900026000155313
	0316	2	2538	Mountain whitefish	272	222	SCALES		0	PIT	900026000147125
	0316	2	2539	Mountain whitefish	240	158	SCALES		0		
	0316	2	2540	Mountain whitefish	265	220	SCALES		0	PIT	900026000083586
	0316	2	2541	Mountain whitefish	301	272	SCALES		2	PIT	900026000035324
	0316	2	2542	Mountain whitefish	146	24	SCALES		0		
	0316	2	2543	Mountain whitefish	258	194	SCALES		0	PIT	900026000154900
	0316	2	2544	Rainbow trout	318	396	SCALES		0	PIT	900026000056221
	0316	2	2545	Mountain whitefish	252	212	SCALES		0	PIT	900026000147550
	0316	2	2546	Mountain whitefish	299	286	SCALES	5	2	PIT	900026000035334
	0316	2	2547	Mountain whitefish	282	230	SCALES		0	PIT	900026000083951
	0316	2	2548	Mountain whitefish	305	252	SCALES		0	PIT	900026000084060
	0316	2	2549	Mountain whitefish	307	322	SCALES		2	PIT	965000000282857
	0316	2	2550	Mountain whitefish	283	236	SCALES	5	0	PIT	900026000147106
	0316	2	2551	Mountain whitefish	283	254	SCALES		2	PIT	965000000083845
	0316	2	2552	Mountain whitefish	250	178	SCALES	4	0	PIT	900026000155152
	0316	2	2553	Mountain whitefish	243	176	SCALES		0		
	0316	2	2554	Mountain whitefish	310	302	SCALES	5	2	PIT	965000000078357
	0316	2	2555	Mountain whitefish	259	176	SCALES		2	PIT	900026000055915
	0316	2	2556	Mountain whitefish	314	280	SCALES		2	PIT	900026000055910
	0316	2	2557	Mountain whitefish	225	132	SCALES		0		
	0316	2	2558	Mountain whitefish	301	234	SCALES		0	PIT	900026000154731
	0316	2	2559	Mountain whitefish	271	196	SCALES		0	PIT	900026000054087
	0316	2	2560	Mountain whitefish	273	230	SCALES		0	PIT	900026000083686
	0316	2	2561	Mountain whitefish	268	182	SCALES		0	PIT	900026000146000
	0316	2	2562	Mountain whitefish	266	224	SCALES		0	PIT	900026000147715
	0316	2	2563	Mountain whitefish	278	198	SCALES	4	0	PIT	900026000146132
	0316	2	2564	Mountain whitefish	216	110	SCALES		0		
	0316	2	2565	Mountain whitefish	280	220	SCALES		0	PIT	900026000147935
	0316	2	2566	Mountain whitefish	251	182	SCALES		0	PIT	900026000146171
	0316	2	2567	Mountain whitefish	203	102	SCALES		0		
	0316	2	2568	Mountain whitefish	282	200	SCALES		2	PIT	965000000246392
	0316	2	2569	Mountain whitefish	308	340	SCALES		2	PIT	900026000154841
	0316	2	2570	Mountain whitefish	284	214	SCALES		2	PIT	900026000155220
	0316	2	2571	Mountain whitefish	266	206	SCALES		0	PIT	900026000155347
	0311	2	2572	Mountain whitefish	328	332	SCALES		2	PIT	900026000063967
	0311	2	2573	Bull trout	545	2046	FIN RAY	6	0	PIT	900026000083901

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0311	2	2574	Mountain whitefish	306	324	SCALES		2	PIT	900026000061323
	0311	2	2575	Mountain whitefish	280	234	SCALES		0	PIT	900026000148187
	0311	2	2576	Mountain whitefish	294	266	SCALES	5	2	PIT	900026000083746
	0311	2	2577	Mountain whitefish	400	680	SCALES		0	PIT	900026000083487
	0311	2	2578	Mountain whitefish	316	312	SCALES		0	PIT	900026000053494
	0311	2	2579	Mountain whitefish	290	264	SCALES		0	PIT	900026000146100
	0311	2	2580	Mountain whitefish	309	262	SCALES		0	PIT	900026000155089
	0311	2	2581	Mountain whitefish	330	274	SCALES		2	PIT	965000000070486
	0311	2	2582	Mountain whitefish	245	164	SCALES		0		
	0311	2	2583	Mountain whitefish	142	30	SCALES		0		
	0311	2	2584	Mountain whitefish	424	850	SCALES		0	PIT	900026000154929
	0311	2	2585	Mountain whitefish	325	346	SCALES		0	PIT	900026000148239
	0311	2	2586	Mountain whitefish	263	206	SCALES		2	PIT	900026000083629
	0311	2	2587	Mountain whitefish	295	278	SCALES		0	PIT	900026000155259
	0311	2	2588	Mountain whitefish	285	240	SCALES		2	PIT	900026000083662
	0311	2	2589	Mountain whitefish	285	228	SCALES		2	PIT	965000000112136
	0311	2	2590	Mountain whitefish	285	250	SCALES		2	PIT	900026000061500
	0311	2	2591	Mountain whitefish	282	218	SCALES		0	PIT	900026000148470
	0311	2	2592	Mountain whitefish	380	600	SCALES		0	PIT	900026000155391
	0311	2	2593	Bull trout	382	700			2	PIT	900026000051994
	0311	2	2594	Mountain whitefish	316	342	SCALES		2	PIT	965000000078897
	0311	2	2595	Mountain whitefish	290	248	SCALES		2	PIT	900026000148269
	0311	2	2596	Mountain whitefish	326	348	SCALES		2	PIT	900026000054526
	0311	2	2597	Mountain whitefish	280	210	SCALES	4	2	PIT	965000000072990
	0311	2	2598	Mountain whitefish	336	400	SCALES		2	PIT	900026000064790
	0311	2	2599	Mountain whitefish	282	270	SCALES		0	PIT	900026000146055
	0311	2	2600	Mountain whitefish	230	120	SCALES	3	0		
	0311	2	2601	Mountain whitefish	375	542	SCALES		0	PIT	900026000084133
	0311	2	2602	Bull trout	242	158	SCALES/FIN RAY	4	0	PIT	900026000083767
	0311	2	2603	Bull trout	355	526	FIN RAY	4	0	PIT	900026000148088
	0311	2	2604	Mountain whitefish	332	320	SCALES		2	PIT	0A00727729
	0311	2	2605	Mountain whitefish	290	254	SCALES		2	PIT	900026000065378
	0311	2	2606	Mountain whitefish	202	90	SCALES		0		
	0311	2	2607	Mountain whitefish	285	248	SCALES		0	PIT	900026000154580
	0309	2	2608	Mountain whitefish	407	536	SCALES		2	PIT	900026000033645
	0309	2	2609	Mountain whitefish	349	362	SCALES		0	PIT	900026000154933
	0309	2	2610	Mountain whitefish	356	464	SCALES		2	PIT	965000000281049
	0309	2	2611	Mountain whitefish	303	282	SCALES		0	PIT	900026000146072
	0309	2	2612	Mountain whitefish	290	194	SCALES		2	PIT	965000000110074
	0309	2	2613	Mountain whitefish	261	192	SCALES		0	PIT	900026000155232
	0309	2	2614	Mountain whitefish	286	244	SCALES		2	PIT	965000000282074
	0309	2	2615	Mountain whitefish	264	196	SCALES		0	PIT	900026000083894
	0309	2	2616	Mountain whitefish	276	220	SCALES		0	PIT	900026000148691
	0309	2	2617	Mountain whitefish	352	348	SCALES		2	PIT	900026000035284
	0309	2	2618	Mountain whitefish	326	316	SCALES		2	PIT	0A00711946
	0309	2	2619	Mountain whitefish	271	214	SCALES		0	PIT	900026000146263
	0309	2	2620	Mountain whitefish	264	200	SCALES		2	PIT	900026000083352
	0309	2	2621	Mountain whitefish	288	220	SCALES		2	PIT	900026000147171
	0309	2	2622	Mountain whitefish	200	80	SCALES		0		
	0309	2	2623	Mountain whitefish	307	264	SCALES		2	PIT	965000000084130
	0309	2	2624	Mountain whitefish	287	262	SCALES		0	PIT	900026000147193

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0309	2	2625	Mountain whitefish	260	174	SCALES		0	PIT	900026000147558
	0309	2	2626	Mountain whitefish	315	278	SCALES	6	2	PIT	965000000243884
	0309	2	2627	Mountain whitefish	241	146	SCALES		0		
	0309	2	2628	Mountain whitefish	348	376	SCALES		0	PIT	900026000154774
	0309	2	2629	Mountain whitefish	291	246	SCALES		2	PIT	965000000247360
	0309	2	2630	Mountain whitefish	315	304	SCALES		2	PIT	900026000147463
	0309	2	2631	Mountain whitefish	298	236	SCALES		0	PIT	900026000083161
	0309	2	2632	Mountain whitefish	275	214	SCALES		0	PIT	900026000147852
	0309	2	2633	Mountain whitefish	344	340	SCALES		0	PIT	900026000147405
	0309	2	2634	Mountain whitefish	306	280	SCALES		2	PIT	965000000113713
	0309	2	2635	Mountain whitefish	300	272	SCALES		2	PIT	900026000034672
	0309	2	2636	Mountain whitefish	307	282	SCALES		0	PIT	900026000155476
	0309	2	2637	Mountain whitefish	242	156	SCALES		0		
	0309	2	2638	Mountain whitefish	286	232	SCALES		2	PIT	965000000112136
	0309	2	2639	Mountain whitefish	290	230	SCALES		2	PIT	965000000068912
	0309	2	2640	Mountain whitefish	400	696	SCALES		2	PIT	900026000083487
	0309	2	2641	Mountain whitefish	286	248	SCALES		0	PIT	900026000154686
	0309	2	2642	Mountain whitefish	273	226	SCALES		2	PIT	900026000034978
	0309	2	2643	Mountain whitefish	268	206	SCALES		0	PIT	900026000146173
	0309	2	2644	Mountain whitefish	246	158	SCALES		0		
	0309	2	2645	Mountain whitefish	272	226	SCALES		2	PIT	900026000053300
	0309	2	2646	Mountain whitefish	272	182	SCALES		2	PIT	900026000051609
	0309	2	2647	Mountain whitefish	291	250	SCALES		0	PIT	900026000147955
	0309	2	2648	Mountain whitefish	260	190	SCALES	4	0	PIT	900026000155066
	0309	2	2649	Mountain whitefish	153	38	SCALES		0		
	0310	2	2650	Mountain whitefish	272	184	SCALES		2	PIT	965000000072569
	0310	2	2651	Mountain whitefish	260	214	SCALES		2	PIT	900026000147090
	0310	2	2652	Mountain whitefish	278	222	SCALES		2	PIT	965000000072429
	0310	2	2653	Mountain whitefish	263	196	SCALES		2	PIT	900026000055798
	0310	2	2654	Mountain whitefish	307	284	SCALES		0	PIT	900026000053813
	0310	2	2655	Mountain whitefish	306	252	SCALES		2	PIT	965000000071680
	0310	2	2656	Mountain whitefish	162	50	SCALES		0		
	0310	2	2657	Mountain whitefish	273	216	SCALES		0	PIT	900026000051180
	0310	2	2658	Mountain whitefish	294	254	SCALES		0	PIT	900026000148484
	0310	2	2659	Mountain whitefish	240	170	SCALES		0		
	0310	2	2660	Mountain whitefish	267	240	SCALES		0	PIT	900026000083483
	0310	2	2661	Mountain whitefish	276	230	SCALES		0	PIT	900026000154931
	0310	2	2662	Mountain whitefish	283	222	SCALES	5	2	PIT	900026000052146
	0310	2	2663	Mountain whitefish	300	292	SCALES		2	PIT	965000000243503
	0310	2	2664	Mountain whitefish	249	152	SCALES		0		
	0310	2	2665	Mountain whitefish	249	182	SCALES		0		
	0310	2	2666	Mountain whitefish	313	292	SCALES		2	PIT	0A00711655
	0310	2	2667	Mountain whitefish	327	324	SCALES		0	PIT	900026000148507
	0310	2	2668	Mountain whitefish	328	326	SCALES		0	PIT	900026000147374
	0310	2	2669	Mountain whitefish	323	318	SCALES		0	PIT	900026000035283
	0310	2	2670	Mountain whitefish	280	258	SCALES		0	PIT	900026000148714
	0310	2	2671	Mountain whitefish	306	298	SCALES		2	PIT	965000000243605
	0310	2	2672	Mountain whitefish	275	230	SCALES		0	PIT	900026000056019
	0310	2	2673	Mountain whitefish	292	254	SCALES		0	PIT	900026000147675
	0310	2	2674	Mountain whitefish	133	30	SCALES		0		
	0310	2	2675	Mountain whitefish	146	36	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag	
										Number	Colour
3											
	0312	2	2676	Mountain whitefish	463	884	SCALES		0	PIT	900026000146053
	0312	2	2677	Mountain whitefish	388	498	SCALES		0	PIT	900026000083187
	0312	2	2678	Mountain whitefish	351	432	SCALES		2	PIT	900026000055350
	0312	2	2679	Mountain whitefish	296	244	SCALES		0	PIT	900026000147769
	0312	2	2680	Mountain whitefish	315	288	SCALES		2	PIT	965000000282650
	0312	2	2681	Mountain whitefish	274	220	SCALES		0	PIT	900026000154760
	0312	2	2682	Mountain whitefish	327	366	SCALES		0	PIT	900026000154944
	0312	2	2683	Mountain whitefish	296	298	SCALES		2	PIT	900026000056504
	0312	2	2684	Mountain whitefish	267	198	SCALES		0	PIT	900026000146156
	0312	2	2685	Mountain whitefish	358	410	SCALES		2	PIT	965000000244081
	0312	2	2686	Mountain whitefish	206	102	SCALES		0		
	0312	2	2687	Mountain whitefish	268	222	SCALES		2	PIT	900026000061865
	0312	2	2688	Mountain whitefish	265	196	SCALES		0	PIT	900026000147864
	0312	2	2689	Mountain whitefish	150	38	SCALES		0		
	0312	2	2690	Mountain whitefish	317	344	SCALES		2	PIT	900026000155429
	0312	2	2691	Mountain whitefish	345	370	SCALES		2	PIT	965000000245941
	0312	2	2692	Mountain whitefish	330	350	SCALES		0	PIT	900026000054013
	0312	2	2693	Mountain whitefish	311	264	SCALES		0	PIT	900026000155067
	0312	2	2694	Mountain whitefish	318	306	SCALES		0	PIT	900026000083251
	0312	2	2695	Mountain whitefish	316	274	SCALES		0	PIT	900026000147952
	0312	2	2696	Mountain whitefish	348	340	SCALES		2	PIT	965000000001664
	0312	2	2697	Mountain whitefish	290	250	SCALES		0	PIT	900026000146158
	0312	2	2698	Mountain whitefish	274	216	SCALES	4	0	PIT	900026000155315
	0312	2	2699	Mountain whitefish	224	114	SCALES		0		
	0312	2	2700	Mountain whitefish	155	44	SCALES		0		
	0312	2	2701	Mountain whitefish	381	488	SCALES	8	0	PIT	900026000155207
	0312	2	2702	Mountain whitefish	282	330	SCALES		0	PIT	900026000148220
	0312	2	2703	Mountain whitefish	298	270	SCALES		2	PIT	900026000057128
	0312	2	2704	Mountain whitefish	340	330	SCALES		2	PIT	965000000001441
	0312	2	2705	Mountain whitefish	384	460	SCALES		0	PIT	900026000155309
	0312	2	2706	Mountain whitefish	232	142	SCALES		0		
	0312	2	2707	Mountain whitefish	227	146	SCALES		0		
	0312	2	2708	Mountain whitefish	137	26	SCALES		0		
	0312	2	2709	Mountain whitefish	310	280	SCALES		2	FLOY	7480YELLOW
	0312	2	2710	Mountain whitefish	267	250	SCALES		0	PIT	900026000147141
	0312	2	2711	Mountain whitefish	163	48	SCALES		0		
	0312	2	2712	Mountain whitefish	144	32	SCALES		0		
	0312	2	2713	Mountain whitefish	153	38	SCALES		0		
	0312	2	2714	Mountain whitefish	207	100	SCALES		0		
	0312	2	2715	Mountain whitefish	278	232	SCALES		0	PIT	900026000148678
	0312	2	2716	Mountain whitefish	347	304	SCALES		0	PIT	900026000147241
	0302	3	3375	Mountain whitefish	377	544	SCALES		0	PIT	900026000188402
	0302	3	3376	Mountain whitefish	246	186	SCALES	5	0		
	0302	3	3377	Bull trout	520	1360	FIN RAY	6	0	PIT	900026000188476
	0302	3	3378	Bull trout	353	418	FIN RAY	3	0	PIT	900026000188593
	0302	3	3379	Mountain whitefish	332	384	SCALES		0	PIT	900026000188357
	0302	3	3380	Mountain whitefish	288	230	SCALES		2	PIT	900026000054005
	0302	3	3381	Mountain whitefish	334	384	SCALES		0	PIT	900026000184320
	0302	3	3382	Mountain whitefish	347	430	SCALES		0	PIT	900026000188564
	0302	3	3383	Mountain whitefish	298	254	SCALES		0	PIT	900026000184244
	0302	3	3384	Mountain whitefish	317	314	SCALES		0	PIT	900026000183967

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour	
3												
	0302	3	3385	Mountain whitefish	268	220	SCALES		0	PIT	900026000188105	
	0302	3	3386	Mountain whitefish	314	280	SCALES		2	PIT	965000000247435	
	0302	3	3387	Mountain whitefish	270	216	SCALES	5	2	PIT	900026000056909	
	0302	3	3388	Mountain whitefish	307	278	SCALES		2	PIT	900026000060883	
	0302	3	3389	Mountain whitefish	263	184	SCALES		0	PIT	900026000184719	
	0302	3	3390	Mountain whitefish	272	196	SCALES		0	PIT	900026000184750	
	0302	3	3391	Mountain whitefish	333	338	SCALES		2	PIT	900026000061179	
	0302	3	3392	Mountain whitefish	319	340	SCALES		2	PIT	965000000243520	
	0302	3	3393	Mountain whitefish	283	256	SCALES		0	PIT	900026000184884	
	0302	3	3394	Mountain whitefish	248	152	SCALES		0			
	0302	3	3395	Mountain whitefish	299	252	SCALES		0	PIT	900026000184889	
	0302	3	3396	Mountain whitefish	262	194	SCALES		2	PIT	900026000083967	
	0302	3	3397	Mountain whitefish	268	222	SCALES		0	PIT	900026000184010	
	0302	3	3398	Mountain whitefish	267	216	SCALES		0	PIT	900026000184552	
	0302	3	3399	Mountain whitefish	377	512	SCALES		2	FLOY	14635	WHITE
	0302	3	3400	Mountain whitefish	262	202	SCALES		0	PIT	900026000188326	
	0302	3	3401	Mountain whitefish	276	234	SCALES		2	PIT	900026000083235	
	0302	3	3402	Mountain whitefish	278	264	SCALES		0	PIT	900026000184410	
	0302	3	3403	Mountain whitefish	194	94	SCALES		0			
	0302	3	3404	Mountain whitefish	266	224	SCALES		0	PIT	900026000188205	
	0302	3	3405	Mountain whitefish	143	36	SCALES		0			
	0302	3	3406	Mountain whitefish	163	54	SCALES		0			
	0302	3	3407	Mountain whitefish	237	152	SCALES		0			
	0302	3	3408	Mountain whitefish	283	244	SCALES		2	PIT	965000000245842	
	0302	3	3409	Mountain whitefish	297	256	SCALES		2	PIT	900026000155336	
	0302	3	3410	Mountain whitefish	250	178	SCALES		0	PIT	900026000184142	
	0302	3	3411	Mountain whitefish	327	316	SCALES		0	PIT	900026000188684	
	0302	3	3412	Mountain whitefish	193	88	SCALES	2	0			
	0302	3	3413	Mountain whitefish	254	176	SCALES		0	PIT	900026000183960	
	0302	3	3414	Mountain whitefish	248	160	SCALES		0			
	0302	3	3415	Mountain whitefish	303	260	SCALES		0	PIT	900026000184614	
	0302	3	3416	Mountain whitefish	232	142	SCALES		0			
	0302	3	3417	Mountain whitefish	282	256	SCALES		2	PIT	965000000282795	
	0302	3	3418	Mountain whitefish	224	122	SCALES		0			
	0302	3	3419	Mountain whitefish	150	34	SCALES		0			
	0301	3	3420	Rainbow trout	396	834	SCALES		0	PIT	900026000188870	
	0301	3	3421	Bull trout	412	770	FIN RAY	5	0	PIT	900026000184031	
	0301	3	3422	Mountain whitefish	265	206	SCALES		0	PIT	900026000188677	
	0301	3	3423	Mountain whitefish	260	196	SCALES	5	0	PIT	900026000188618	
	0301	3	3424	Mountain whitefish	373	488	SCALES		0	PIT	900026000188029	
	0301	3	3425	Mountain whitefish	229	132	SCALES		0			
	0301	3	3426	Mountain whitefish	288	316	SCALES		0	PIT	900026000188199	
	0301	3	3427	Mountain whitefish	273	234	SCALES		0	PIT	900026000184897	
	0301	3	3428	Mountain whitefish	321	304	SCALES		2	PIT	965000000243057	
	0301	3	3429	Mountain whitefish	281	248	SCALES	4	2	PIT	900026000148496	
	0301	3	3430	Mountain whitefish	302	320	SCALES		0	PIT	900026000184126	
	0301	3	3431	Mountain whitefish	277	244	SCALES	5	0	PIT	900026000183988	
	0301	3	3432	Mountain whitefish	259	196	SCALES	6	0	PIT	900026000188225	
	0301	3	3433	Mountain whitefish	251	198	SCALES		0	PIT	900026000188406	
	0301	3	3434	Mountain whitefish	272	218	SCALES		2	PIT	965000000246682	
	0301	3	3435	Mountain whitefish	268	212	SCALES		0	PIT	900026000188560	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0301	3	3436	Mountain whitefish	265	222	SCALES		0	PIT	900026000184498
	0301	3	3437	Mountain whitefish	258	212	SCALES		0	PIT	900026000184086
	0301	3	3438	Mountain whitefish	268	204	SCALES		2	PIT	900026000083169
	0301	3	3439	Mountain whitefish	262	190	SCALES		0	PIT	900026000188689
	0301	3	3440	Mountain whitefish	278	226	SCALES	4	2	PIT	965000000070492
	0301	3	3441	Mountain whitefish	192	90	SCALES		0		
	0301	3	3442	Mountain whitefish	239	156	SCALES		0		
	0301	3	3443	Mountain whitefish	283	220	SCALES		0	PIT	900026000184945
	0303	3	3444	Mountain whitefish	285	260	SCALES		0	PIT	900026000184062
	0303	3	3445	Mountain whitefish	256	172	SCALES		0	PIT	900026000184948
	0303	3	3446	Mountain whitefish	319	284	SCALES		0	PIT	900026000184092
	0303	3	3447	Bull trout	244	140	SCALES/FIN RAY	3	0	PIT	900026000188022
	0303	3	3448	Mountain whitefish	277	236	SCALES		0	PIT	900026000183955
	0303	3	3449	Mountain whitefish	304	308	SCALES		0	PIT	900026000184444
	0303	3	3450	Mountain whitefish	290	218	SCALES		2	PIT	900026000154910
	0303	3	3451	Mountain whitefish	158	30	SCALES		0		
	0303	3	3452	Mountain whitefish	164	34	SCALES		0		
	0303	3	3453	Mountain whitefish	225	122	SCALES		0		
	0303	3	3454	Mountain whitefish	283	226	SCALES		0	PIT	900026000188391
	0304	3	3455	Bull trout	588	2300			2	PIT	900026000035582
	0304	3	3456	Mountain whitefish	312	322	SCALES	6	0	PIT	900026000188761
	0304	3	3457	Mountain whitefish	280	274	SCALES		0	PIT	900026000188220
	0304	3	3458	Mountain whitefish	282	234	SCALES		2	PIT	965000000070573
	0304	3	3459	Mountain whitefish	236	130	SCALES		0		
	0304	3	3460	Mountain whitefish	307	314	SCALES		2	PIT	965000000078911
	0304	3	3461	Mountain whitefish	250	206	SCALES		0	PIT	900026000188305
	0304	3	3462	Mountain whitefish	310	318	SCALES		2	PIT	965000000245296
	0304	3	3463	Mountain whitefish	267	196	SCALES		0	PIT	900026000184473
	0304	3	3464	Mountain whitefish	232	124	SCALES		0		
	0304	3	3465	Mountain whitefish	375	476	SCALES		0	PIT	900026000184103
	0304	3	3466	Mountain whitefish	300	262	SCALES		2	PIT	965000000245947
	0304	3	3467	Mountain whitefish	297	250	SCALES		2	PIT	900026000054646
	0304	3	3468	Mountain whitefish	292	250	SCALES		2	PIT	900026000055959
	0304	3	3469	Mountain whitefish	303	258	SCALES		2	PIT	900026000061761
	0304	3	3470	Mountain whitefish	329	304	SCALES		2	PIT	900026000148391
	0304	3	3471	Mountain whitefish	311	298	SCALES		0	PIT	900026000188203
	0304	3	3472	Mountain whitefish	243	148	SCALES		0		
	0304	3	3473	Mountain whitefish	319	322	SCALES		0	PIT	900026000188683
	0304	3	3474	Mountain whitefish	281	220	SCALES		0	PIT	900026000186038
	0304	3	3475	Mountain whitefish	247	170	SCALES		0		
	0304	3	3476	Mountain whitefish	306	254	SCALES		0	PIT	900026000188851
	0304	3	3477	Rainbow trout	288	308	SCALES		2	PIT	900026000063378
	0304	3	3478	Mountain whitefish	331	334	SCALES		0	PIT	900026000188693
	0304	3	3479	Mountain whitefish	268	230	SCALES		0	PIT	900026000185985
	0304	3	3480	Mountain whitefish	280	234	SCALES		0	PIT	900026000186696
	0304	3	3481	Mountain whitefish	297	252	SCALES		0	PIT	900026000186142
	0304	3	3482	Mountain whitefish	301	250	SCALES		0	PIT	900026000186462
	0304	3	3483	Mountain whitefish	304	288	SCALES		0	PIT	900026000188423
	0304	3	3484	Mountain whitefish	365	420	SCALES		0	PIT	900026000186923
	0304	3	3485	Mountain whitefish	298	254	SCALES		0	PIT	900026000186736
	0304	3	3486	Mountain whitefish	231	132	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0304	3	3487	Mountain whitefish	269	218	SCALES		0	PIT	900026000188422
	0304	3	3488	Mountain whitefish	286	242	SCALES		0	PIT	900026000188449
	0304	3	3489	Mountain whitefish	306	284	SCALES		2	PIT	965000000242886
	0304	3	3490	Mountain whitefish	280	226	SCALES	5	0	PIT	900026000188572
	0304	3	3491	Mountain whitefish	284		SCALES		0	PIT	900026000188223
	0304	3	3492	Mountain whitefish	292	260	SCALES		0	PIT	900026000188742
	0304	3	3493	Mountain whitefish	247	158	SCALES		0		
	0304	3	3494	Mountain whitefish	248	178	SCALES		0		
	0304	3	3495	Mountain whitefish	332	382	SCALES		0	PIT	900026000188427
	0304	3	3496	Mountain whitefish	166	56	SCALES		0		
	0304	3	3497	Mountain whitefish	311	270	SCALES		2	PIT	900026000054634
	0304	3	3498	Mountain whitefish	290	230	SCALES	4	0	PIT	900026000186684
	0304	3	3499	Mountain whitefish	274	206	SCALES		0	PIT	900026000188755
	0304	3	3500	Mountain whitefish	278	216	SCALES		0	PIT	900026000186507
	0304	3	3501	Mountain whitefish	230	128	SCALES		0		
	0305	3	3502	Mountain whitefish	401	596	SCALES		0	PIT	900026000186226
	0305	3	3503	Mountain whitefish	474	1076	SCALES		0	PIT	900026000186441
	0305	3	3504	Mountain whitefish	358	396	SCALES		2	PIT	900026000055153
	0305	3	3505	Mountain whitefish	393	488	SCALES		0	PIT	900026000186516
	0305	3	3506	Mountain whitefish	352	428	SCALES		0	PIT	900026000186444
	0305	3	3507	Mountain whitefish	303	264	SCALES		0	PIT	900026000188174
	0305	3	3508	Mountain whitefish	345	350	SCALES		2	PIT	900026000083845
	0305	3	3509	Mountain whitefish	343	408	SCALES		2	PIT	965000000088100
	0305	3	3510	Mountain whitefish	357	384	SCALES	6	0	PIT	900026000186619
	0305	3	3511	Mountain whitefish	355	400	SCALES		0	PIT	900026000186156
	0305	3	3512	Mountain whitefish	312	274	SCALES		0	PIT	900026000188864
	0305	3	3513	Mountain whitefish	358	426	SCALES		2	PIT	900026000055623
	0305	3	3514	Mountain whitefish	304	310	SCALES		2	PIT	965000000078911
	0305	3	3515	Mountain whitefish	364	496	SCALES		0	PIT	900026000188000
	0305	3	3516	Mountain whitefish	302	256	SCALES		2	PIT	965000000282713
	0305	3	3517	Mountain whitefish	337	342	SCALES		2	PIT	900026000154607
	0305	3	3518	Mountain whitefish	317	314	SCALES		0	PIT	900026000188782
	0305	3	3519	Mountain whitefish	327	382	SCALES		2	PIT	900026000188427
	0305	3	3520	Mountain whitefish	289	258	SCALES		0	PIT	900026000186921
	0305	3	3521	Mountain whitefish	344	384	SCALES		2	PIT	965000000087296
	0305	3	3522	Mountain whitefish	324	296	SCALES		0	PIT	900026000188195
	0305	3	3523	Mountain whitefish	321	328	SCALES		0	PIT	900026000188629
	0305	3	3524	Mountain whitefish	287	230	SCALES		2	PIT	900026000188449
	0305	3	3525	Mountain whitefish	319	322	SCALES		2	PIT	900026000188683
	0305	3	3526	Mountain whitefish	265	224	SCALES		2	PIT	900026000185985
	0305	3	3527	Mountain whitefish	328	342	SCALES		0	PIT	900026000186510
	0305	3	3528	Mountain whitefish	293	240	SCALES	5	2	PIT	900026000055959
	0305	3	3529	Mountain whitefish	282	226	SCALES		2	PIT	900026000083772
	0305	3	3530	Mountain whitefish	302	288	SCALES		2	PIT	965000000072417
	0305	3	3531	Mountain whitefish	384	610	SCALES		2	PIT	0A00733962
	0305	3	3532	Mountain whitefish	296	258	SCALES		2	PIT	965000000244882
	0305	3	3533	Mountain whitefish	292	276	SCALES		0	PIT	900026000187971
	0305	3	3534	Bull trout	308	278			2	PIT	900026000057461
	0305	3	3535	Mountain whitefish	312	252	SCALES		0	PIT	900026000188701
	0305	3	3536	Mountain whitefish	277	216	SCALES		0	PIT	900026000186811
	0305	3	3537	Mountain whitefish	260	166	SCALES		0	PIT	900026000186488

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0305	3	3538	Mountain whitefish	272	214	SCALES	4	0	PIT	900026000186354
	0305	3	3539	Mountain whitefish	362	410	SCALES		0	PIT	900026000188025
	0305	3	3540	Mountain whitefish	300	240	SCALES	5	0	PIT	900026000186740
	0305	3	3541	Mountain whitefish	304	300	SCALES		0	PIT	900026000188926
	0305	3	3542	Mountain whitefish	296	264	SCALES		2	PIT	900026000051434
	0305	3	3543	Mountain whitefish	281	248	SCALES		2	PIT	900026000055165
	0305	3	3544	Mountain whitefish	242	152	SCALES	4	0		
	0305	3	3545	Bull trout	244	136	SCALES/FIN RAY	3	0	PIT	900026000188945
	0305	3	3546	Mountain whitefish	267	216	SCALES		0	PIT	900026000188043
	0305	3	3547	Mountain whitefish	345	366	SCALES		2	PIT	965000000110229
	0305	3	3548	Mountain whitefish	280	232	SCALES		2	PIT	900026000186696
	0305	3	3549	Mountain whitefish	269	248	SCALES		0	PIT	900026000186371
	0305	3	3550	Mountain whitefish	314	322	SCALES		0	PIT	900026000188646
	0305	3	3551	Mountain whitefish	326	358	SCALES		0	PIT	900026000186690
	0305	3	3552	Mountain whitefish	285	216	SCALES		2	PIT	900026000035527
	0305	3	3553	Mountain whitefish	353	334	SCALES		2	PIT	965000000245944
	0305	3	3554	Mountain whitefish	294	236	SCALES		2	PIT	965000000282190
	0305	3	3555	Mountain whitefish	252	176	SCALES		0	PIT	900026000186922
	0305	3	3556	Mountain whitefish	233	142	SCALES		0		
	0305	3	3557	Mountain whitefish	299	254	SCALES		2	PIT	900026000186462
	0305	3	3558	Mountain whitefish	162	42	SCALES		0		
	0305	3	3559	Bull trout	231	128	SCALES/FIN RAY	3	0	PIT	900026000186003
	0314	3	3560	Mountain whitefish	309	308	SCALES		0	PIT	900026000188813
	0314	3	3561	Mountain whitefish	238	168	SCALES	3	0		
	0314	3	3562	Mountain whitefish	291	274	SCALES		0	PIT	900026000188416
	0314	3	3563	Mountain whitefish	293	250	SCALES	5	2	PIT	900026000052617
	0314	3	3564	Mountain whitefish	280	222	SCALES		0	PIT	900026000188234
	0306	3	3565	Mountain whitefish	379	484	SCALES		0	PIT	900026000188151
	0306	3	3566	Arctic grayling	179	74	SCALES	1	0		
	0306	3	3567	Mountain whitefish	333	422	SCALES		0	PIT	900026000188688
	0306	3	3568	Mountain whitefish	258	210	SCALES		0	PIT	900026000188026
	0306	3	3569	Mountain whitefish	277	216	SCALES	5	0	PIT	900026000187955
	0306	3	3570	Mountain whitefish	329	306	SCALES		2	PIT	965000000091931
	0306	3	3571	Mountain whitefish	306	288	SCALES		0	PIT	900026000184198
	0306	3	3572	Mountain whitefish	291	218	SCALES		0	PIT	900026000184140
	0306	3	3573	Mountain whitefish	261	190	SCALES		0	PIT	900026000188532
	0306	3	3574	Bull trout	210	98	SCALES/FIN RAY	2	0	PIT	900026000188076
	0315	3	3575	Mountain whitefish	265	210	SCALES		0	PIT	900026000184450
	0315	3	3576	Mountain whitefish	281	220	SCALES		2	PIT	965000000246392
	0315	3	3577	Mountain whitefish	327	288	SCALES		2	FLOY	8915 YELLOW
	0315	3	3578	Mountain whitefish	284	236	SCALES		2	PIT	900026000147643
	0315	3	3579	Mountain whitefish	366	460	SCALES		0	PIT	900026000188524
	0315	3	3580	Mountain whitefish	263	202	SCALES		0	PIT	900026000188882
	0315	3	3581	Mountain whitefish	312	288	SCALES		2	PIT	965000000109624
	0315	3	3582	Mountain whitefish	399	570	SCALES		2	PIT	4D00033479
	0315	3	3583	Mountain whitefish	290	256	SCALES		2	PIT	965000000066806
	0315	3	3584	Mountain whitefish	293	244	SCALES		2	PIT	900026000051437
	0315	3	3585	Mountain whitefish	265	206	SCALES		0	PIT	900026000184119
	0315	3	3586	Mountain whitefish	247	182	SCALES		0		
	0315	3	3587	Mountain whitefish	296	244	SCALES		0	PIT	900026000188198
	0315	3	3588	Mountain whitefish	280	252	SCALES		2	PIT	900026000063407

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0315	3	3589	Mountain whitefish	287	226	SCALES		2	PIT	965000000085636
	0315	3	3590	Mountain whitefish	309	288	SCALES		0	PIT	900026000188442
	0315	3	3591	Mountain whitefish	279	238	SCALES		2	PIT	900026000060513
	0315	3	3592	Mountain whitefish	283	224	SCALES	5	0	PIT	900026000188546
	0315	3	3593	Mountain whitefish	282	226	SCALES		0	PIT	900026000188892
	0315	3	3594	Mountain whitefish	260		SCALES		2	PIT	900026000154621
	0315	3	3595	Mountain whitefish	386	542	SCALES		0	PIT	900026000187970
	0315	3	3596	Mountain whitefish	296	274	SCALES		0	PIT	900026000184229
	0315	3	3597	Mountain whitefish	281	234	SCALES		2	PIT	900026000057409
	0315	3	3598	Mountain whitefish	315	268	SCALES		2	PIT	965000000237880
	0315	3	3599	Mountain whitefish	285	246	SCALES		2	PIT	965000000003937
	0315	3	3600	Mountain whitefish	327	356	SCALES	6	0	PIT	900026000184247
	0315	3	3601	Mountain whitefish	266	220	SCALES		0	PIT	900026000188395
	0315	3	3602	Mountain whitefish	262	196	SCALES		0	PIT	900026000188310
	0315	3	3603	Mountain whitefish	201	98	SCALES		0		
	0315	3	3604	Mountain whitefish	306	330	SCALES		2	PIT	965000000243711
	0307	3	3605	Mountain whitefish	233	120	SCALES		0		
	0307	3	3606	Mountain whitefish	357	308	SCALES		2	PIT	965000000083501
	0307	3	3607	Mountain whitefish	304	260	SCALES		2	PIT	965000000243052
	0307	3	3608	Mountain whitefish	293	230	SCALES		0	PIT	900026000188563
	0307	3	3609	Mountain whitefish	261	192	SCALES		0	PIT	900026000188445
	0307	3	3610	Mountain whitefish	292	226	SCALES	6	0	PIT	900026000188437
	0307	3	3611	Mountain whitefish	233	134	SCALES		0		
	0307	3	3612	Mountain whitefish	387	490	SCALES		2	PIT	965000000090484
	0307	3	3613	Mountain whitefish	305	292	SCALES		2	PIT	965000000240377
	0307	3	3614	Mountain whitefish	316	278	SCALES		0	PIT	900026000188713
	0307	3	3615	Mountain whitefish	256	178	SCALES		0	PIT	900026000188846
	0307	3	3616	Mountain whitefish	312	296	SCALES		0	PIT	900026000186903
	0307	3	3617	Mountain whitefish	286	252	SCALES	4	0	PIT	900026000057145
	0307	3	3618	Mountain whitefish	307	316	SCALES		0	PIT	900026000186355
	0307	3	3619	Mountain whitefish	238	146	SCALES		0		
	0307	3	3620	Mountain whitefish	338	342	SCALES		0	PIT	900026000188781
	0307	3	3621	Mountain whitefish	304	282	SCALES		0	PIT	900026000188825
	0307	3	3622	Mountain whitefish	305	270	SCALES		0	PIT	900026000188262
	0307	3	3623	Mountain whitefish	284	238	SCALES		2	PIT	900026000064649
	0307	3	3624	Mountain whitefish	259	172	SCALES		0	PIT	900026000186011
	0307	3	3625	Mountain whitefish	253	176	SCALES		0	PIT	900026000188939
	0308	3	3626	Bull trout	616	3140			2	PIT	965000000077957
	0308	3	3627	Mountain whitefish	238	150	SCALES		0		
	0308	3	3628	Mountain whitefish	313	302	SCALES		2	PIT	965000000282654
	0308	3	3629	Mountain whitefish	282	208	SCALES		2	PIT	900026000055824
	0308	3	3630	Mountain whitefish	282	234	SCALES		2	PIT	900026000055559
	0308	3	3631	Mountain whitefish	291	254	SCALES		2	PIT	965000000282432
	0308	3	3632	Mountain whitefish	328	320	SCALES		2	PIT	900026000054689
	0308	3	3633	Mountain whitefish	386	586	SCALES		0	PIT	900026000186864
	0308	3	3634	Mountain whitefish	308	250	SCALES	6	2	PIT	900026000065552
	0308	3	3635	Mountain whitefish	246	168	SCALES		0		
	0308	3	3636	Mountain whitefish	233	140	SCALES		0		
	0308	3	3637	Mountain whitefish	288	234	SCALES		2	PIT	965000000090074
	0308	3	3638	Mountain whitefish	201	88	SCALES		0		
	0308	3	3639	Mountain whitefish	233	146	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0308	3	3640	Mountain whitefish	300	322	SCALES		2	PIT	965000000281097
	0308	3	3641	Mountain whitefish	227	110	SCALES		0		
	0308	3	3642	Mountain whitefish	292	280	SCALES		0	PIT	900026000185992
	0308	3	3643	Mountain whitefish	212	92	SCALES		0		
	0308	3	3644	Mountain whitefish	284	226	SCALES	5	2	PIT	900026000064026
	0308	3	3645	Mountain whitefish	337	382	SCALES		2	PIT	965000000282057
	0308	3	3646	Mountain whitefish	262	202	SCALES		0	PIT	900026000185960
	0308	3	3647	Mountain whitefish	274	236	SCALES		0	PIT	900026000188798
	0308	3	3648	Mountain whitefish	288	260	SCALES		0	PIT	900026000188839
	0308	3	3649	Mountain whitefish	289	236	SCALES		2	PIT	900026000064546
	0308	3	3650	Mountain whitefish	261	216	SCALES		0	PIT	900026000188112
	0308	3	3651	Mountain whitefish	219	100	SCALES		0		
	0308	3	3652	Mountain whitefish	347	346	SCALES		2	PIT	965000000245428
	0308	3	3653	Mountain whitefish	198	90	SCALES		0		
	0316	3	3654	Bull trout	604	2660			2	PIT	900026000061067
	0316	3	3655	Rainbow trout	213	140	SCALES		0		
	0316	3	3656	Mountain whitefish	240	152	SCALES		0		
	0316	3	3657	Mountain whitefish	291	260	SCALES		0	PIT	900026000188287
	0316	3	3658	Mountain whitefish	282	240	SCALES	5	2	PIT	965000000245859
	0316	3	3659	Mountain whitefish	272	216	SCALES		2	PIT	900026000053582
	0316	3	3660	Mountain whitefish	373	486	SCALES		2	PIT	965000000245164
	0316	3	3661	Mountain whitefish	225	128	SCALES		0		
	0316	3	3662	Mountain whitefish	325	340	SCALES		2	PIT	900026000052859
	0316	3	3663	Mountain whitefish	263		SCALES		2	PIT	900026000148305
	0316	3	3664	Mountain whitefish	263	200	SCALES		0	PIT	900026000186299
	0316	3	3665	Mountain whitefish	306	298	SCALES		2	PIT	965000000077118
	0316	3	3666	Mountain whitefish	306	258	SCALES		0	PIT	900026000188073
	0316	3	3667	Mountain whitefish	287	266	SCALES		0	PIT	900026000186368
	0316	3	3668	Mountain whitefish	211	98	SCALES		0		
	0316	3	3669	Mountain whitefish	290	222	SCALES		2	PIT	900026000147224
	0316	3	3670	Mountain whitefish	276	220	SCALES		0	PIT	900026000188207
	0316	3	3671	Mountain whitefish	238	132	SCALES		0		
	0316	3	3672	Mountain whitefish	323	348	SCALES		2	PIT	965000000243539
	0316	3	3673	Mountain whitefish	303	326	SCALES		2	PIT	900026000148685
	0316	3	3674	Mountain whitefish	294	278	SCALES		2	PIT	965000000010222
	0316	3	3675	Mountain whitefish	220	110	SCALES		0		
	0316	3	3676	Mountain whitefish	273	250	SCALES	4	0	PIT	900026000186708
	0316	3	3677	Mountain whitefish	316	322	SCALES		2	PIT	965000000245054
	0316	3	3678	Mountain whitefish	302		SCALES		2	PIT	900026000147486
	0316	3	3679	Mountain whitefish	148	40	SCALES		0		
	0316	3	3680	Mountain whitefish	290	260	SCALES		2	PIT	965000000282432
	0316	3	3681	Mountain whitefish	277	226	SCALES		2	PIT	900026000154836
	0316	3	3682	Mountain whitefish	264	178	SCALES		0	PIT	900026000186946
	0316	3	3683	Mountain whitefish	247	158	SCALES		0		
	0316	3	3684	Mountain whitefish	313	318	SCALES		0	PIT	900026000186526
	0316	3	3685	Mountain whitefish	281	206	SCALES		2	PIT	965000000112690
	0316	3	3686	Mountain whitefish	291	274	SCALES		2	PIT	965000000072449
	0316	3	3687	Mountain whitefish	279	218	SCALES		2	PIT	900026000053792
	0316	3	3688	Mountain whitefish	238	138	SCALES		0		
	0316	3	3689	Mountain whitefish	283	254	SCALES		0	PIT	900026000186258
	0316	3	3690	Mountain whitefish	252	184	SCALES		0	PIT	900026000186206

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0316	3	3691	Mountain whitefish	273	206	SCALES		0	PIT	900026000188728
	0316	3	3692	Mountain whitefish	370	502	SCALES		2	FLOY	4402 YELLOW
	0316	3	3693	Mountain whitefish	233	176	SCALES		0		
	0316	3	3694	Mountain whitefish	267	212	SCALES		2	PIT	900026000155347
	0316	3	3695	Mountain whitefish	267		SCALES		0	PIT	900026000186467
	0316	3	3696	Bull trout	369	586			2	PIT	900026000055480
	0316	3	3697	Mountain whitefish	244	158	SCALES		0		
	0316	3	3698	Mountain whitefish	222	118	SCALES	3	0		
	0316	3	3699	Mountain whitefish	311	288	SCALES		2	PIT	965000000243842
	0316	3	3700	Mountain whitefish	255	194	SCALES		0	PIT	900026000186656
	0316	3	3701	Mountain whitefish	300	246	SCALES		2	PIT	900026000065115
	0316	3	3702	Mountain whitefish	298	296	SCALES		2	PIT	900026000033541
	0316	3	3703	Mountain whitefish	166	46	SCALES		0		
	0316	3	3704	Mountain whitefish	290	266	SCALES		2	PIT	965000000093787
	0316	3	3705	Mountain whitefish	273	230	SCALES		0	PIT	900026000186157
	0316	3	3706	Mountain whitefish	267	222	SCALES		2	PIT	900026000055591
	0316	3	3707	Mountain whitefish	264	190	SCALES	3	0	PIT	900026000185980
	0316	3	3708	Mountain whitefish	280	238	SCALES		0	PIT	900026000186139
	0316	3	3709	Mountain whitefish	208	98	SCALES		0		
	0316	3	3710	Mountain whitefish	356	444	SCALES		0	PIT	900026000188171
	0316	3	3711	Mountain whitefish	220	118	SCALES		0		
	0316	3	3712	Mountain whitefish	254	186	SCALES		0	PIT	900026000186271
	0316	3	3713	Mountain whitefish	297	278	SCALES		0	PIT	900026000186296
	0316	3	3714	Mountain whitefish	280	246	SCALES		2	PIT	900026000035615
	0316	3	3715	Mountain whitefish	301	290	SCALES		2	PIT	900026000035334
	0316	3	3716	Mountain whitefish	275	220	SCALES		2	PIT	965000000005523
	0316	3	3717	Mountain whitefish	147	36	SCALES		0		
	0316	3	3718	Mountain whitefish	292	284	SCALES		0	PIT	900026000188730
	0316	3	3719	Mountain whitefish	291	254	SCALES		0	PIT	900026000188940
	0316	3	3720	Mountain whitefish	239	150	SCALES		0		
	0316	3	3721	Mountain whitefish	301	278	SCALES		0	PIT	900026000188627
	0316	3	3722	Mountain whitefish	302	312	SCALES		2	PIT	965000000086632
	0316	3	3723	Mountain whitefish	292	250	SCALES		2	PIT	900026000083890
	0316	3	3724	Mountain whitefish	303	284	SCALES		2	PIT	965000000244490
	0316	3	3725	Mountain whitefish	253	220	SCALES		2	PIT	900026000147550
	0316	3	3726	Mountain whitefish	264	210	SCALES		0	PIT	900026000186277
	0316	3	3727	Mountain whitefish	274	244	SCALES		0	PIT	900026000188277
	0316	3	3728	Mountain whitefish	296	264	SCALES		2	PIT	900026000051707
	0316	3	3729	Mountain whitefish	288	238	SCALES		0	PIT	900026000186426
	0316	3	3730	Mountain whitefish	273	220	SCALES		2	PIT	900026000062026
	0316	3	3731	Mountain whitefish	147	44	SCALES		0		
	0316	3	3732	Mountain whitefish	293	266	SCALES		2	PIT	900026000035378
	0316	3	3733	Mountain whitefish	286	260	SCALES		0	PIT	900026000186496
	0316	3	3734	Mountain whitefish	318	328	SCALES		0	PIT	900026000188528
	0316	3	3735	Mountain whitefish	271	228	SCALES		0	PIT	900026000186676
	0316	3	3736	Mountain whitefish	283	236	SCALES		2	PIT	900026000065412
	0316	3	3737	Mountain whitefish	279	246	SCALES		0	PIT	900026000188024
	0316	3	3738	Mountain whitefish	277	244	SCALES		0	PIT	900026000186195
	0316	3	3739	Mountain whitefish	275	220	SCALES		0	PIT	900026000186229
	0316	3	3740	Mountain whitefish	286	276	SCALES		0	PIT	900026000186606
	0316	3	3741	Mountain whitefish	289	270	SCALES		2	PIT	965000000077655

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0316	3	3742	Mountain whitefish	157	40	SCALES		0		
	0316	3	3743	Mountain whitefish	152	32	SCALES		0		
	0316	3	3744	Mountain whitefish	277	210	SCALES		0	PIT	900026000147423
	0316	3	3745	Mountain whitefish	258	218	SCALES		0	PIT	900026000083323
	0316	3	3746	Mountain whitefish	292	256	SCALES		2	PIT	900026000188839
	0316	3	3747	Mountain whitefish	164	50	SCALES		0		
	0316	3	3748	Mountain whitefish	292	272	SCALES		0	PIT	900026000155123
	0316	3	3749	Mountain whitefish	240	172	SCALES		0		
	0316	3	3750	Mountain whitefish	261	178	SCALES		0	PIT	900026000155491
	0316	3	3751	Mountain whitefish	271	234	SCALES		0	PIT	900026000147645
	0316	3	3752	Mountain whitefish	152	32	SCALES		0		
	0316	3	3753	Mountain whitefish	278	210	SCALES		0	PIT	900026000146032
	0316	3	3754	Mountain whitefish	297	278	SCALES		0	PIT	900026000055282
	0316	3	3755	Mountain whitefish	278	222	SCALES		0	PIT	900026000146252
	0316	3	3756	Mountain whitefish	293	280	SCALES		2	PIT	900026000083925
	0316	3	3757	Mountain whitefish	284	240	SCALES		2	PIT	900026000054112
	0316	3	3758	Mountain whitefish	241	148	SCALES		0		
	0316	3	3759	Mountain whitefish	297	282	SCALES		2	PIT	900026000054710
	0316	3	3760	Mountain whitefish	220	104	SCALES		0		
	0316	3	3761	Mountain whitefish	259	198	SCALES		0	PIT	900026000147942
	0316	3	3762	Mountain whitefish	250	190	SCALES		2	PIT	900026000056334
	0316	3	3763	Mountain whitefish	300	288	SCALES		0	PIT	900026000146236
	0316	3	3764	Mountain whitefish	280	224	SCALES	5	2	PIT	900026000053891
	0316	3	3765	Mountain whitefish	267	230	SCALES		2	PIT	900026000147426
	0316	3	3766	Mountain whitefish	322	390	SCALES		0	PIT	900026000147871
	0316	3	3767	Mountain whitefish	288	208	SCALES		0	PIT	900026000148460
	0311	3	3768	Bull trout	568	1846	FIN RAY	5	0	PIT	900026000154936
	0311	3	3769	Mountain whitefish	222	104	SCALES		0		
	0311	3	3770	Bull trout	336	366			2	PIT	900026000148450
	0311	3	3771	Mountain whitefish	296	232	SCALES		0	PIT	900026000052477
	0311	3	3772	Mountain whitefish	282	244	SCALES		2	PIT	900026000148187
	0311	3	3773	Mountain whitefish	324	280	SCALES	7	2	PIT	900026000061064
	0311	3	3774	Mountain whitefish	418	738	SCALES	11	0	PIT	900026000147782
	0311	3	3775	Mountain whitefish	335	330	SCALES		2	PIT	900026000147444
	0311	3	3776	Mountain whitefish	201	94	SCALES		0		
	0311	3	3777	Mountain whitefish	300	282	SCALES		0	PIT	900026000084120
	0311	3	3778	Mountain whitefish	328	314	SCALES		0	PIT	900026000083389
	0311	3	3779	Mountain whitefish	281	232	SCALES		0	PIT	900026000155401
	0311	3	3780	Mountain whitefish	298	264	SCALES	5	2	PIT	900026000083746
	0311	3	3781	Mountain whitefish	292	266	SCALES		2	PIT	900026000052246
	0311	3	3782	Bull trout	265	186	SCALES/FIN RAY	3	0	PIT	900026000056118
	0311	3	3783	Mountain whitefish	298	240	SCALES		2	PIT	900026000083161
	0311	3	3784	Mountain whitefish	285	274	SCALES		2	PIT	900026000035046
	0311	3	3785	Mountain whitefish	276	214	SCALES		0	PIT	900026000147803
	0311	3	3786	Mountain whitefish	294	244	SCALES	5	2	PIT	900026000148920
	0311	3	3787	Mountain whitefish	322	350	SCALES		0	PIT	900026000147249
	0311	3	3788	Mountain whitefish	281	238	SCALES		0	PIT	900026000154810
	0311	3	3789	Mountain whitefish	278	228	SCALES	4	0	PIT	900026000146281
	0311	3	3790	Mountain whitefish	290	286	SCALES		2	PIT	900026000083308
	0311	3	3791	Mountain whitefish	258	172	SCALES		2	PIT	900026000147472
	0311	3	3792	Mountain whitefish	298	300	SCALES		0	PIT	900026000146210

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0311	3	3793	Mountain whitefish	269	218	SCALES		0	PIT	900026000148200
	0311	3	3794	Mountain whitefish	248	176	SCALES		0		
	0311	3	3795	Mountain whitefish	274	220	SCALES		0		
	0311	3	3796	Mountain whitefish	305	268	SCALES		0	PIT	900026000186001
	0311	3	3797	Mountain whitefish	289	272	SCALES		0	PIT	900026000186174
	0311	3	3798	Mountain whitefish	282	244	SCALES		0	PIT	900026000186096
	0311	3	3799	Mountain whitefish	273	216	SCALES		0	PIT	900026000186240
	0311	3	3800	Mountain whitefish	301	260	SCALES	6	0	PIT	900026000186191
	0311	3	3801	Mountain whitefish	330	342	SCALES		0	PIT	900026000186071
	0311	3	3802	Mountain whitefish	292	264	SCALES		0	PIT	900026000186666
	0311	3	3803	Mountain whitefish	207	98	SCALES		0		
	0311	3	3804	Mountain whitefish	294	272	SCALES		0	PIT	900026000186520
	0311	3	3805	Mountain whitefish	310	288	SCALES		0	PIT	900026000186780
	0311	3	3806	Mountain whitefish	308	264	SCALES		2	PIT	900026000155089
	0311	3	3807	Mountain whitefish	269	254	SCALES		0	PIT	900026000186230
	0311	3	3808	Mountain whitefish	368	454	SCALES	7	0	PIT	900026000186545
	0311	3	3809	Mountain whitefish	161	48	SCALES		0		
	0311	3	3810	Mountain whitefish	149	40	SCALES		0		
	0311	3	3811	Mountain whitefish	252	172	SCALES	4	0	PIT	900026000188419
	0311	3	3812	Mountain whitefish	350	484	SCALES		0	PIT	900026000188917
	0311	3	3813	Mountain whitefish	250	160	SCALES		0	PIT	900026000186288
	0311	3	3814	Mountain whitefish	202	90	SCALES	2	0		
	0311	3	3815	Mountain whitefish	311	400	SCALES/OTOLITH		1		
	0309	3	3816	Mountain whitefish	381	396	SCALES		2	PIT	900026000148053
	0309	3	3817	Mountain whitefish	304	284	SCALES		2	PIT	900026000146072
	0309	3	3818	Mountain whitefish	306	370	SCALES		2	PIT	900026000147021
	0309	3	3819	Mountain whitefish	278	250	SCALES		0	PIT	900026000186791
	0309	3	3820	Mountain whitefish	143	30	SCALES		0		
	0309	3	3821	Mountain whitefish	309	284	SCALES		0		
	0309	3	3822	Mountain whitefish	235		SCALES		0		
	0309	3	3823	Mountain whitefish	238	146	SCALES		0		
	0309	3	3824	Mountain whitefish	267	216	SCALES/OTOLITH		1		
	0310	3	3825	Mountain whitefish	249	162	SCALES		0		
	0310	3	3826	Mountain whitefish	326	298	SCALES		2	PIT	900026000060429
	0310	3	3827	Mountain whitefish	280	288	SCALES		0	PIT	900026000186530
	0310	3	3828	Mountain whitefish	334	312	SCALES		2	PIT	965000000245263
	0310	3	3829	Mountain whitefish	265	196	SCALES	4	2	PIT	965000000092802
	0310	3	3830	Mountain whitefish	216	106	SCALES		0		
	0310	3	3831	Mountain whitefish	300	242	SCALES		0	PIT	900026000186107
	0310	3	3832	Mountain whitefish	369	520	SCALES	7	0	PIT	900026000188008
	0310	3	3833	Mountain whitefish	293	254	SCALES	5	2	PIT	900026000147675
	0310	3	3834	Mountain whitefish	198	88	SCALES		0		
	0310	3	3835	Mountain whitefish	291	256	SCALES	5	2	PIT	900026000148484
	0310	3	3836	Mountain whitefish	369	566	SCALES		0	PIT	900026000186379
	0310	3	3837	Mountain whitefish	230	128	SCALES		0		
	0310	3	3838	Mountain whitefish	288	316	SCALES		0	PIT	900026000186881
	0310	3	3839	Mountain whitefish	145	36	SCALES		0		
	0310	3	3840	Mountain whitefish	280	222	SCALES		0	PIT	900026000186291
	0310	3	3841	Mountain whitefish	345	402	SCALES		2	PIT	965000000243996
	0310	3	3842	Mountain whitefish	313	308	SCALES		0	PIT	900026000186008
	0310	3	3843	Mountain whitefish	258	182	SCALES		0	PIT	900026000186645

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0310	3	3844	Mountain whitefish	316	288	SCALES		2	PIT	965000000068883	
0310	3	3845	Mountain whitefish	167	54	SCALES		0			
0310	3	3846	Mountain whitefish	262	182	SCALES	3	2	PIT	900026000148481	
0310	3	3847	Mountain whitefish	372	438	SCALES		0	PIT	900026000186400	
0310	3	3848	Mountain whitefish	346	390	SCALES		0	PIT	900026000186248	
0310	3	3849	Mountain whitefish	319	308	SCALES		0	PIT	900026000188884	
0310	3	3850	Mountain whitefish	242	152	SCALES		0			
0310	3	3851	Mountain whitefish	243	144	SCALES		0			
0310	3	3852	Mountain whitefish	291	296	SCALES		0	PIT	900026000186212	
0310	3	3853	Mountain whitefish	242	152	SCALES		0			
0310	3	3854	Mountain whitefish	290	264	SCALES		0	PIT	900026000185979	
0310	3	3855	Mountain whitefish	213	102	SCALES		0			
0310	3	3856	Mountain whitefish	304	298	SCALES		0	PIT	900026000186085	
0310	3	3857	Mountain whitefish	359	470	SCALES	7	2	PIT	900026000064803	
0310	3	3858	Mountain whitefish	373	398	SCALES		2	PIT	900026000147216	
0310	3	3859	Mountain whitefish	266	202	SCALES		0	PIT	900026000186295	
0310	3	3860	Mountain whitefish	286	260	SCALES	5	2	PIT	900026000057329	
0310	3	3861	Mountain whitefish	207	94	SCALES		0			
0310	3	3862	Mountain whitefish	301	284	SCALES		2	PIT	900026000148494	
0310	3	3863	Mountain whitefish	293	276	SCALES		2	PIT	900026000055340	
0310	3	3864	Mountain whitefish	260	192	SCALES		0	PIT	900026000188350	
0310	3	3865	Mountain whitefish	298	240	SCALES		2	PIT	900026000051505	
0310	3	3866	Mountain whitefish	243	160	SCALES		0			
0310	3	3867	Mountain whitefish	289	262	SCALES		2	PIT	900026000057498	
0310	3	3868	Mountain whitefish	270	230	SCALES		2	PIT	965000000070016	
0310	3	3869	Mountain whitefish	150	36	SCALES		0			
0310	3	3870	Mountain whitefish	223	128	SCALES		0			
0310	3	3871	Mountain whitefish	233	146	SCALES	3	0			
0310	3	3872	Mountain whitefish	288	264	SCALES		0	PIT	900026000188622	
0310	3	3873	Mountain whitefish	159	42	SCALES		0			
0310	3	3874	Mountain whitefish	260	202	SCALES		0	PIT	900026000186637	
0310	3	3875	Mountain whitefish	258	188	SCALES		0	PIT	900026000185956	
0310	3	3876	Mountain whitefish	273	202	SCALES		2	PIT	900026000064574	
0310	3	3877	Mountain whitefish	246	162	SCALES		0			
0310	3	3878	Mountain whitefish	279	264	SCALES		0	PIT	900026000186290	
0310	3	3879	Mountain whitefish	267	192	SCALES		0	PIT	900026000185963	
0310	3	3880	Mountain whitefish	193	88	SCALES		0			
0310	3	3881	Mountain whitefish	281	278	SCALES		0			
0310	3	3882	Mountain whitefish	157	50	SCALES		0			
0310	3	3883	Mountain whitefish	270	232	SCALES		0	PIT	900026000186147	
0310	3	3884	Mountain whitefish	270	262	SCALES		2	PIT	900026000186230	
0310	3	3885	Mountain whitefish	312	314	SCALES	5	0	PIT	900026000186225	
0310	3	3886	Mountain whitefish	300	276	SCALES		0	PIT	900026000186683	
0310	3	3887	Mountain whitefish	290	264	SCALES		2	PIT	900026000083657	
0310	3	3888	Mountain whitefish	143	30	SCALES		0			
0310	3	3889	Mountain whitefish	275	252	SCALES		0	PIT	900026000186154	
0310	3	3890	Mountain whitefish	252	168	SCALES		0	PIT	900026000186858	
0312	3	3891	Bull trout	548	2550			2	PIT	900026000053800	
0312	3	3892	Bull trout	475	1170			2	PIT	900026000057065	
0312	3	3893	Bull trout	473	1154	FIN RAY	5	0	PIT	900026000185981	
0312	3	3894	Mountain whitefish	285	224	SCALES		0	PIT	900026000186193	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0312	3	3895	Mountain whitefish	396	430	SCALES		0	PIT	900026000188023
	0312	3	3896	Mountain whitefish	324	310	SCALES		2	PIT	4D00033618
	0312	3	3897	Mountain whitefish	315	306	SCALES		0	PIT	900026000186560
	0312	3	3898	Mountain whitefish	286	244	SCALES		2	PIT	900026000053983
	0312	3	3899	Mountain whitefish	311	318	SCALES		0	PIT	900026000186378
	0312	3	3900	Mountain whitefish	259	202	SCALES	4	0	PIT	900026000186373
	0312	3	3901	Mountain whitefish	200	96	SCALES		0		
	0312	3	3902	Mountain whitefish	281	230	SCALES		0	PIT	900026000186823
	0312	3	3903	Mountain whitefish	269	188	SCALES		0	PIT	900026000188278
	0312	3	3904	Mountain whitefish	253	188	SCALES		0	PIT	900026000188826
	0312	3	3905	Mountain whitefish	239	132	SCALES		0		
	0312	3	3906	Mountain whitefish	236	134	SCALES		0		
	0312	3	3907	Mountain whitefish	276	250	SCALES		0	PIT	900026000186855
	0312	3	3908	Mountain whitefish	260	186	SCALES		2	PIT	900026000147949
	0312	3	3909	Mountain whitefish	357	358	SCALES		2	PIT	900026000054166
	0312	3	3910	Mountain whitefish	281	210	SCALES		2	PIT	900026000148656
	0312	3	3911	Mountain whitefish	295	304	SCALES		0	PIT	900026000188438
	0312	3	3912	Mountain whitefish	314	304	SCALES		0	PIT	900026000186879
	0312	3	3913	Mountain whitefish	307	316	SCALES		2	PIT	965000000247082
	0312	3	3914	Mountain whitefish	210	106	SCALES		0		
	0312	3	3915	Bull trout	252	132	SCALES/FIN RAY	2	0	PIT	900026000186084
	0312	3	3916	Mountain whitefish	255	176	SCALES		0	PIT	900026000186489
	0312	3	3917	Mountain whitefish	211	94	SCALES		0		
	0312	3	3918	Mountain whitefish	158	36	SCALES		0		
	0312	3	3919	Bull trout	286	198	SCALES/FIN RAY	5	0	PIT	900026000186841
	0312	3	3920	Mountain whitefish	270	174	SCALES		2	PIT	900026000054310
	0312	3	3921	Mountain whitefish	236	122	SCALES		0		
	0312	3	3922	Mountain whitefish	286	278	SCALES		0	PIT	900026000186567
	0312	3	3923	Mountain whitefish	230	134	SCALES		0		
	0312	3	3924	Mountain whitefish	281	214	SCALES		2	PIT	900026000154760
	0312	3	3925	Mountain whitefish	265	182	SCALES		0	PIT	900026000186851
	0312	3	3926	Mountain whitefish	304	260	SCALES		0	PIT	900026000186004
	0302	4	4736	Rainbow trout	166	58	SCALES		0		
	0302	4	4737	Mountain whitefish	334	326	SCALES		0	PIT	900026000186770
	0302	4	4738	Mountain whitefish	404	552	SCALES		0	PIT	900026000186662
	0302	4	4739	Mountain whitefish	290	262	SCALES		0	PIT	900026000186854
	0302	4	4740	Mountain whitefish	277	250	SCALES		0	PIT	900026000188830
	0302	4	4741	Mountain whitefish	263	196	SCALES		0	PIT	900026000188055
	0302	4	4742	Mountain whitefish	322	418	SCALES		0	PIT	900026000186280
	0302	4	4743	Mountain whitefish	302	312	SCALES		2	PIT	900026000084045
	0302	4	4744	Bull trout	220	126	SCALES/FIN RAY	3	0	PIT	900026000188927
	0302	4	4745	Mountain whitefish	263	208	SCALES		0	PIT	900026000186438
	0302	4	4746	Mountain whitefish	301	278	SCALES		0	PIT	900026000186610
	0302	4	4747	Mountain whitefish	220	118	SCALES		0		
	0302	4	4748	Mountain whitefish	345	366	SCALES		2	PIT	900026000054428
	0302	4	4749	Mountain whitefish	298	304	SCALES		0	PIT	900026000186582
	0302	4	4750	Mountain whitefish	206	94	SCALES		0		
	0302	4	4751	Mountain whitefish	309	282	SCALES		2	PIT	900026000054901
	0302	4	4752	Mountain whitefish	287	258	SCALES	4	0	PIT	900026000186234
	0302	4	4753	Mountain whitefish	318	294	SCALES		2	PIT	965000000247435
	0302	4	4754	Mountain whitefish	300	250	SCALES		0	PIT	900026000186086

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0302	4	4755	Mountain whitefish	162	46	SCALES		0			
0302	4	4756	Mountain whitefish	277	226	SCALES		2	PIT	900026000148035	
0302	4	4757	Mountain whitefish	265	224	SCALES		0	PIT	900026000186679	
0302	4	4758	Mountain whitefish	260	210	SCALES		0	PIT	900026000186783	
0302	4	4759	Mountain whitefish	160	50	SCALES		0			
0302	4	4760	Mountain whitefish	280	252	SCALES		0	PIT	900026000186768	
0302	4	4761	Mountain whitefish	266	196	SCALES		0	PIT	900026000188731	
0302	4	4762	Mountain whitefish	270	252	SCALES		0	PIT	900026000186678	
0302	4	4763	Mountain whitefish	283	226	SCALES		0	PIT	900026000188652	
0302	4	4764	Mountain whitefish	248	170	SCALES		0			
0302	4	4765	Mountain whitefish	170	58	SCALES		0			
0302	4	4766	Mountain whitefish	261	224	SCALES		0	PIT	900026000188042	
0302	4	4767	Mountain whitefish	285	270	SCALES		2	PIT	900026000148880	
0302	4	4768	Mountain whitefish	296	284	SCALES		0	PIT	900026000033495	
0302	4	4769	Mountain whitefish	260	182	SCALES	4	0	PIT	900026000056307	
0302	4	4770	Mountain whitefish	214	122	SCALES		0			
0302	4	4771	Mountain whitefish	276	230	SCALES		0	PIT	900026000147684	
0302	4	4772	Mountain whitefish	281	242	SCALES		2	PIT	900026000060619	
0302	4	4773	Mountain whitefish	165	54	SCALES		0			
0302	4	4774	Mountain whitefish	286	238	SCALES		0	PIT	900026000052420	
0302	4	4775	Mountain whitefish	207	110	SCALES		0			
0302	4	4776	Mountain whitefish	248	182	SCALES		0			
0302	4	4777	Mountain whitefish	262	186	SCALES		2	PIT	900026000146110	
0302	4	4778	Mountain whitefish	289	238	SCALES		2	PIT	965000000002266	
0302	4	4779	Mountain whitefish	241	150	SCALES		0			
0302	4	4780	Mountain whitefish	318	320	SCALES		2	PIT	900026000183967	
0302	4	4781	Rainbow trout	184	90	SCALES		0			
0302	4	4782	Mountain whitefish	285	248	SCALES		2	PIT	900026000148197	
0302	4	4783	Mountain whitefish	168	54	SCALES		0			
0302	4	4784	Mountain whitefish	146	32	SCALES		0			
0302	4	4785	Mountain whitefish	151	38	SCALES		0			
0302	4	4786	Mountain whitefish	268	208	SCALES		0	PIT	900026000053526	
0302	4	4787	Rainbow trout	158	50	SCALES		0			
0302	4	4788	Mountain whitefish	167	52	SCALES		0			
0302	4	4789	Mountain whitefish	268	216	SCALES		2	PIT	900026000184552	
0302	4	4790	Mountain whitefish	202	90	SCALES	2	0			
0302	4	4791	Mountain whitefish	162	46	SCALES		0			
0302	4	4792	Mountain whitefish	162	50	SCALES		0			
0302	4	4793	Mountain whitefish	329	328	SCALES		2	PIT	900026000188684	
0302	4	4794	Mountain whitefish	301	298	SCALES		0	PIT	900026000052028	
0302	4	4795	Mountain whitefish	242	180	SCALES		0			
0302	4	4796	Mountain whitefish	303	278	SCALES		2	PIT	900026000154828	
0302	4	4797	Mountain whitefish	329	318	SCALES		2	PIT	4D00020668	
0302	4	4798	Mountain whitefish	250	176	SCALES		0	PIT	900026000055575	
0302	4	4799	Mountain whitefish	295	322	SCALES		0	PIT	900026000154547	
0302	4	4800	Mountain whitefish	147	36	SCALES		0			
0302	4	4801	Mountain whitefish	272	212	SCALES		0	PIT	900026000154650	
0302	4	4802	Mountain whitefish	241	148	SCALES		0			
0302	4	4803	Mountain whitefish	278	226	SCALES		2	PIT	900026000154953	
0302	4	4804	Mountain whitefish	235	146	SCALES		0			
0302	4	4805	Mountain whitefish	299	258	SCALES		2	PIT	900026000155392	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0302	4	4806	Mountain whitefish	238	150	SCALES		0			
0302	4	4807	Mountain whitefish	240	150	SCALES		0			
0302	4	4808	Mountain whitefish	307	294	SCALES		0	PIT	900026000155325	
0302	4	4809	Mountain whitefish	192	90	SCALES		0			
0302	4	4810	Mountain whitefish	156	44	SCALES		0			
0302	4	4811	Mountain whitefish	292	250	SCALES		0	PIT	900026000052290	
0302	4	4812	Mountain whitefish	322	338	SCALES		2	PIT	965000000092524	
0302	4	4813	Mountain whitefish	157	44	SCALES		0			
0302	4	4814	Mountain whitefish	170	56	SCALES		0			
0302	4	4815	Mountain whitefish	335	362	SCALES		2	PIT	965000000113991	
0302	4	4816	Mountain whitefish	183	66	SCALES		0			
0302	4	4817	Mountain whitefish	283	314	SCALES		0			
0302	4	4818	Mountain whitefish	151	36	SCALES		0			
0302	4	4819	Mountain whitefish	276	208	SCALES		0	PIT	900026000154927	
0302	4	4820	Mountain whitefish	262	210	SCALES		0	PIT	900026000147984	
0302	4	4821	Mountain whitefish	207	96	SCALES		0			
0301	4	4822	Mountain whitefish	278	226	SCALES	4	0	PIT	900026000155046	
0301	4	4823	Mountain whitefish	255	182	SCALES		2	PIT	900026000154818	
0301	4	4824	Mountain whitefish	293	288	SCALES		2	PIT	900026000051682	
0301	4	4825	Mountain whitefish	279	184	SCALES		0	PIT	900026000147009	
0301	4	4826	Mountain whitefish	159	42	SCALES		0			
0301	4	4827	Mountain whitefish	322	294	SCALES	6	2	PIT	965000000243057	
0301	4	4828	Mountain whitefish	288	244	SCALES		2	PIT	900026000056481	
0301	4	4829	Mountain whitefish	267	208	SCALES		2	PIT	900026000148718	
0301	4	4830	Mountain whitefish	225	124	SCALES		0			
0301	4	4831	Mountain whitefish	268	206	SCALES		0	PIT	900026000147708	
0301	4	4832	Mountain whitefish	200	86	SCALES		0			
0301	4	4833	Mountain whitefish	279	228	SCALES		2	PIT	900026000154953	
0301	4	4834	Mountain whitefish	286	242	SCALES		0	PIT	900026000154919	
0301	4	4835	Mountain whitefish	152	36	SCALES		0			
0301	4	4836	Mountain whitefish	285	240	SCALES		0	PIT	900026000147335	
0301	4	4837	Mountain whitefish	150	36	SCALES		0			
0301	4	4838	Mountain whitefish	288	240	SCALES	5	2	PIT	900026000052420	
0301	4	4839	Mountain whitefish	232	134	SCALES		0			
0301	4	4840	Mountain whitefish	266	202	SCALES		2	PIT	900026000065187	
0301	4	4841	Mountain whitefish	154	36	SCALES		0			
0303	4	4842	Mountain whitefish	284	262	SCALES		0	PIT	900026000155161	
0303	4	4843	Mountain whitefish	311	272	SCALES		2	PIT	965000000077505	
0303	4	4844	Mountain whitefish	305	326	SCALES	6	0	PIT	900026000154569	
0303	4	4845	Mountain whitefish	278	220	SCALES		2	PIT	965000000070492	
0303	4	4846	Bull trout	470	1064	FIN RAY	5	0	PIT	900026000063154	
0303	4	4847	Mountain whitefish	275	222	SCALES		2	PIT	900026000148983	
0303	4	4848	Mountain whitefish	250	172	SCALES		0	PIT	900026000147296	
0303	4	4849	Mountain whitefish	288	250	SCALES		2	PIT	965000000010230	
0303	4	4850	Mountain whitefish	273	226	SCALES		0	PIT	900026000155126	
0303	4	4851	Mountain whitefish	295	244	SCALES		0	PIT	900026000147543	
0303	4	4852	Mountain whitefish	256	174	SCALES		2	PIT	900026000154723	
0303	4	4853	Mountain whitefish	307	362	SCALES		0	PIT	900026000155146	
0303	4	4854	Mountain whitefish	286	238	SCALES		0	PIT	900026000186798	
0303	4	4855	Mountain whitefish	287	248	SCALES		2	PIT	965000000112602	
0303	4	4856	Mountain whitefish	322	346	SCALES		2	PIT	900026000065038	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0303	4	4857	Mountain whitefish	319	340	SCALES		2	PIT	900026000055961	
0303	4	4858	Mountain whitefish	313	318	SCALES		2	PIT	965000000082056	
0303	4	4859	Mountain whitefish	255	160	SCALES		2	PIT	900026000148294	
0303	4	4860	Mountain whitefish	342	392	SCALES		0	PIT	900026000188070	
0303	4	4861	Mountain whitefish	262	208	SCALES		0	PIT	900026000186712	
0303	4	4862	Mountain whitefish	300	266	SCALES		2	PIT	965000000085847	
0303	4	4863	Mountain whitefish	321	348	SCALES		2	PIT	965000000080741	
0303	4	4864	Mountain whitefish	318	294	SCALES		2	PIT	900026000184092	
0303	4	4865	Mountain whitefish	282	246	SCALES	4	2	PIT	900026000051796	
0303	4	4866	Mountain whitefish	300	280	SCALES		0	PIT	900026000186795	
0303	4	4867	Mountain whitefish	372	440	SCALES		0	PIT	900026000186682	
0303	4	4868	Mountain whitefish	302	256	SCALES		0	PIT	900026000186150	
0303	4	4869	Mountain whitefish	314	326	SCALES		0	PIT	900026000186562	
0303	4	4870	Mountain whitefish	341	440	SCALES		2	PIT	965000000243191	
0303	4	4871	Mountain whitefish	300	274	SCALES		0	PIT	900026000188931	
0303	4	4872	Mountain whitefish	312	328	SCALES		2	PIT	965000000244685	
0303	4	4873	Mountain whitefish	281	202	SCALES		0	PIT	900026000186279	
0303	4	4874	Mountain whitefish	259	176	SCALES		0	PIT	900026000186329	
0303	4	4875	Mountain whitefish	313	308	SCALES		2	PIT	900026000148437	
0303	4	4876	Mountain whitefish	305	288	SCALES		0	PIT	900026000186741	
0303	4	4877	Mountain whitefish	356	404	SCALES		0	PIT	900026000188804	
0303	4	4878	Mountain whitefish	304	294	SCALES		0	PIT	900026000188801	
0303	4	4879	Mountain whitefish	298	268	SCALES		2	PIT	900026000053863	
0303	4	4880	Mountain whitefish	283	270	SCALES		2	PIT	900026000054015	
0303	4	4881	Mountain whitefish	284	240	SCALES		2	PIT	900026000052885	
0303	4	4882	Mountain whitefish	277	210	SCALES		0	PIT	900026000186707	
0303	4	4883	Mountain whitefish	280	186	SCALES		2	PIT	900026000060924	
0303	4	4884	Mountain whitefish	305	258	SCALES		2	PIT	965000000281974	
0303	4	4885	Mountain whitefish	322	314	SCALES		0	PIT	900026000188912	
0303	4	4886	Mountain whitefish	305	270	SCALES		0	PIT	900026000186287	
0303	4	4887	Mountain whitefish	219	106	SCALES		0			
0303	4	4888	Mountain whitefish	323	390	SCALES		0	PIT	900026000185978	
0303	4	4889	Mountain whitefish	269	238	SCALES		0	PIT	900026000186308	
0303	4	4890	Mountain whitefish	148	32	SCALES		0			
0303	4	4891	Mountain whitefish	300	320	SCALES		2	PIT	965000000242282	
0303	4	4892	Mountain whitefish	294	270	SCALES		0	PIT	900026000188313	
0303	4	4893	Mountain whitefish	284	244	SCALES		2	PIT	900026000034944	
0303	4	4894	Mountain whitefish	282	226	SCALES		2	PIT	965000000246046	
0303	4	4895	Mountain whitefish	297	274	SCALES		2	PIT	900026000083189	
0303	4	4896	Mountain whitefish	200	80	SCALES		0			
0303	4	4897	Mountain whitefish	278	196	SCALES		0	PIT	900026000186581	
0303	4	4898	Mountain whitefish	290	278	SCALES		0	PIT	900026000186305	
0303	4	4899	Mountain whitefish	276	226	SCALES	5	0	PIT	900026000188507	
0303	4	4900	Mountain whitefish	234	142	SCALES		0			
0303	4	4901	Mountain whitefish	204	80	SCALES		0			
0303	4	4902	Mountain whitefish	280	240	SCALES		2	PIT	900026000083604	
0303	4	4903	Mountain whitefish	321	350	SCALES		2	PIT	965000000084825	
0303	4	4904	Mountain whitefish	242	164	SCALES		0			
0303	4	4905	Mountain whitefish	307	282	SCALES		2	PIT	900026000054246	
0303	4	4906	Mountain whitefish	279	260	SCALES		0	PIT	900026000186764	
0303	4	4907	Mountain whitefish	257	210	SCALES		0	PIT	900026000188673	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0303	4	4908	Mountain whitefish	323	322	SCALES		0	PIT	900026000186120	
0303	4	4909	Mountain whitefish	226	124	SCALES		0			
0303	4	4910	Mountain whitefish	303	226	SCALES		2	PIT	900026000063755	
0303	4	4911	Mountain whitefish	289	250	SCALES		0	PIT	900026000154958	
0303	4	4912	Mountain whitefish	328	356	SCALES		0	PIT	900026000155084	
0303	4	4913	Mountain whitefish	287	236	SCALES	5	2	PIT	900026000054937	
0303	4	4914	Mountain whitefish	268	196	SCALES		0	PIT	900026000147059	
0303	4	4915	Mountain whitefish	338	374	SCALES		0	PIT	900026000155017	
0303	4	4916	Mountain whitefish	271	226	SCALES	5	0	PIT	900026000055859	
0303	4	4917	Mountain whitefish	273	228	SCALES		0	PIT	900026000155137	
0303	4	4918	Mountain whitefish	248	168	SCALES		0			
0303	4	4919	Mountain whitefish	276	208	SCALES		0	PIT	900026000055276	
0303	4	4920	Mountain whitefish	316	314	SCALES		2	PIT	900026000056018	
0303	4	4921	Mountain whitefish	258	192	SCALES		0	PIT	900026000055637	
0303	4	4922	Mountain whitefish	155	42	SCALES		0			
0303	4	4923	Mountain whitefish	291	314	SCALES		0	PIT	900026000147495	
0303	4	4924	Mountain whitefish	362	452	SCALES		2	PIT	965000000109859	
0303	4	4925	Mountain whitefish	151	36	SCALES		0			
0303	4	4926	Mountain whitefish	204	90	SCALES		0			
0303	4	4927	Mountain whitefish	373	512	SCALES		0	PIT	900026000148342	
0303	4	4928	Mountain whitefish	265	190	SCALES		0	PIT	900026000155038	
0303	4	4929	Bull trout	536	1562	FIN RAY	6	0	PIT	900026000155381	
0304	4	4930	Mountain whitefish	253	194	SCALES		2	PIT	900026000188305	
0304	4	4931	Mountain whitefish	340	322	SCALES		2	PIT	965000000243478	
0304	4	4932	Mountain whitefish	293	238	SCALES		0	PIT	900026000155026	
0304	4	4933	Mountain whitefish	307	288	SCALES		0	PIT	900026000033488	
0304	4	4934	Mountain whitefish	299	274	SCALES		2	PIT	965000000071921	
0304	4	4935	Mountain whitefish	280	228	SCALES		2	PIT	900026000083625	
0304	4	4936	Mountain whitefish	263	180	SCALES		0	PIT	900026000155187	
0304	4	4937	Mountain whitefish	268	168	SCALES		2	PIT	900026000084098	
0304	4	4938	Mountain whitefish	288	230	SCALES	5	0	PIT	900026000154736	
0304	4	4939	Mountain whitefish	210	108	SCALES		0			
0304	4	4940	Mountain whitefish	333	338	SCALES		0	PIT	900026000053698	
0304	4	4941	Mountain whitefish	297	264	SCALES		0	PIT	900026000055242	
0304	4	4942	Mountain whitefish	303	284	SCALES		0	PIT	900026000054075	
0304	4	4943	Mountain whitefish	358	388	SCALES		2	PIT	900026000064190	
0304	4	4944	Mountain whitefish	310	306	SCALES	6	0	PIT	900026000155291	
0304	4	4945	Mountain whitefish	311	348	SCALES		0	PIT	900026000147115	
0304	4	4946	Mountain whitefish	264	228	SCALES		0	PIT	900026000154500	
0304	4	4947	Mountain whitefish	379	384	SCALES		0	PIT	900026000051278	
0304	4	4948	Mountain whitefish	293	232	SCALES		2	PIT	900026000064822	
0304	4	4949	Mountain whitefish	327	318	SCALES	7	2	PIT	965000000069483	
0304	4	4950	Rainbow trout	277	260	SCALES		0	PIT	900026000186267	
0304	4	4951	Mountain whitefish	286	270	SCALES		0	PIT	900026000186509	
0304	4	4952	Mountain whitefish	305	264	SCALES		0	PIT	900026000186192	
0304	4	4953	Mountain whitefish	324	322	SCALES		0	PIT	900026000188405	
0304	4	4954	Mountain whitefish	241	158	SCALES		0			
0304	4	4955	Mountain whitefish	293	238	SCALES		0	PIT	900026000188747	
0304	4	4956	Mountain whitefish	262	218	SCALES		0	PIT	900026000186073	
0304	4	4957	Mountain whitefish	270	228	SCALES		0	PIT	900026000186148	
0304	4	4958	Mountain whitefish	273	232	SCALES		0	PIT	900026000186319	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0304	4	4959	Mountain whitefish	282	228	SCALES		0	PIT	900026000186172
	0304	4	4960	Mountain whitefish	309	278	SCALES		2	PIT	965000000070238
	0304	4	4961	Mountain whitefish	337	372	SCALES		0	PIT	900026000186325
	0304	4	4962	Mountain whitefish	316	274	SCALES	5	0	PIT	900026000186219
	0304	4	4963	Mountain whitefish	241	168	SCALES	3	0		
	0304	4	4964	Mountain whitefish	212	94	SCALES		0		
	0304	4	4965	Mountain whitefish	357	348	SCALES		0	PIT	900026000186309
	0304	4	4966	Mountain whitefish	296	270	SCALES		0	PIT	900026000188838
	0304	4	4967	Mountain whitefish	290	272	SCALES		0	PIT	900026000186117
	0304	4	4968	Mountain whitefish	150	36	SCALES		0		
	0304	4	4969	Mountain whitefish	339	334	SCALES		2	PIT	900026000148844
	0304	4	4970	Mountain whitefish	313	250	SCALES		0	PIT	900026000186706
	0304	4	4971	Mountain whitefish	269	202	SCALES		0	PIT	900026000188127
	0304	4	4972	Mountain whitefish	285	264	SCALES		0	PIT	900026000186119
	0304	4	4973	Mountain whitefish	292	250	SCALES		0	PIT	900026000186473
	0304	4	4974	Mountain whitefish	326	298	SCALES		0	PIT	900026000186239
	0304	4	4975	Mountain whitefish	151	36	SCALES		0		
	0304	4	4976	Mountain whitefish	299	260	SCALES	6	0	PIT	900026000186231
	0304	4	4977	Mountain whitefish	314	312	SCALES		2	PIT	965000000069023
	0304	4	4978	Mountain whitefish	291	226	SCALES		0	PIT	900026000154981
	0304	4	4979	Mountain whitefish	316	308	SCALES		0	PIT	900026000186513
	0304	4	4980	Mountain whitefish	297	266	SCALES		2	PIT	900026000053835
	0304	4	4981	Mountain whitefish	284	248	SCALES		0	PIT	900026000186109
	0304	4	4982	Mountain whitefish	269	206	SCALES		0	PIT	900026000186506
	0304	4	4983	Mountain whitefish	348	366	SCALES		0	PIT	900026000186672
	0304	4	4984	Mountain whitefish	320	340	SCALES		0	PIT	900026000186800
	0304	4	4985	Mountain whitefish	209	94	SCALES		0		
	0304	4	4986	Mountain whitefish	294	272	SCALES		2	PIT	900026000083677
	0304	4	4987	Mountain whitefish	293	240	SCALES		2	PIT	965000000247013
	0304	4	4988	Mountain whitefish	295	250	SCALES		2	PIT	900026000052790
	0304	4	4989	Mountain whitefish	298	274	SCALES		2	PIT	965000000072965
	0305	4	4990	Mountain whitefish	311	328	SCALES		0	PIT	900026000186592
	0305	4	4991	Mountain whitefish	327	350	SCALES		0	PIT	900026000186848
	0305	4	4992	Mountain whitefish	359	408	SCALES		0	PIT	900026000186542
	0305	4	4993	Mountain whitefish	393	668	SCALES		0	PIT	900026000186904
	0305	4	4994	Mountain whitefish	357	428	SCALES		0	PIT	900026000186514
	0305	4	4995	Mountain whitefish	388	564	SCALES		2	PIT	900026000052578
	0305	4	4996	Mountain whitefish	357	462	SCALES		2	PIT	900026000147202
	0305	4	4997	Mountain whitefish	376	384	SCALES		0	PIT	900026000186429
	0305	4	4998	Mountain whitefish	287	306	SCALES		0	PIT	900026000186091
	0305	4	4999	Mountain whitefish	379	538	SCALES		0	PIT	900026000186137
	0305	4	5000	Mountain whitefish	367	500	SCALES	7	0	PIT	900026000186456
	0305	4	5001	Mountain whitefish	324	318	SCALES		2	PIT	965000000069483
	0305	4	5002	Mountain whitefish	346	360	SCALES		0	PIT	900026000186010
	0305	4	5003	Mountain whitefish	376	430	SCALES		2	PIT	965000000247147
	0305	4	5004	Mountain whitefish	308	312	SCALES		0	PIT	900026000186114
	0305	4	5005	Mountain whitefish	393	478	SCALES	10	2	PIT	900026000186516
	0305	4	5006	Mountain whitefish	343	444	SCALES		2	PIT	965000000282385
	0305	4	5007	Mountain whitefish	313	290	SCALES		0	PIT	900026000186046
	0305	4	5008	Mountain whitefish	339	316	SCALES		2	PIT	965000000078244
	0305	4	5009	Mountain whitefish	350	394	SCALES		2	FLOY	5925 YELLOW

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0305	4	5010	Mountain whitefish	327	328	SCALES		0	PIT	900026000186303	
0305	4	5011	Mountain whitefish	311	314	SCALES		2	PIT	900026000051952	
0305	4	5012	Mountain whitefish	333	314	SCALES		2	PIT	900026000155438	
0305	4	5013	Mountain whitefish	327	320	SCALES		2	PIT	900026000188405	
0305	4	5014	Mountain whitefish	347	442	SCALES		0	PIT	900026000186930	
0305	4	5015	Mountain whitefish	344	404	SCALES		2	PIT	965000000248005	
0305	4	5016	Mountain whitefish	352	434	SCALES		2	PIT	965000000070574	
0305	4	5017	Mountain whitefish	297	266	SCALES		2	PIT	965000000072965	
0305	4	5018	Mountain whitefish	325	296	SCALES		2	PIT	900026000186239	
0305	4	5019	Mountain whitefish	368	508	SCALES		0	PIT	900026000188947	
0305	4	5020	Mountain whitefish	313	308	SCALES		2	PIT	965000000069023	
0305	4	5021	Mountain whitefish	261	226	SCALES		0			
0305	4	5022	Mountain whitefish	332	336	SCALES		2	PIT	900026000053698	
0305	4	5023	Mountain whitefish	242	144	SCALES		0			
0305	4	5024	Mountain whitefish	289	236	SCALES		2	PIT	965000000247013	
0305	4	5025	Mountain whitefish	355	350	SCALES	7	2	PIT	900026000186309	
0305	4	5026	Mountain whitefish	315	308	SCALES		0	PIT	900026000186822	
0305	4	5027	Mountain whitefish	297	266	SCALES		2	PIT	900026000053835	
0305	4	5028	Mountain whitefish	287	252	SCALES		0	PIT	900026000186603	
0305	4	5029	Mountain whitefish	256	196	SCALES		0	PIT	900026000186209	
0305	4	5030	Mountain whitefish	308	294	SCALES		2	PIT	900026000148108	
0305	4	5031	Mountain whitefish	277	178	SCALES		0	PIT	900026000188117	
0305	4	5032	Mountain whitefish	313	308	SCALES		0	PIT	900026000186892	
0305	4	5033	Mountain whitefish	273	230	SCALES		0	PIT	900026000186080	
0305	4	5034	Mountain whitefish	254	202	SCALES		0	PIT	900026000186285	
0305	4	5035	Mountain whitefish	255	176	SCALES		0	PIT	900026000186138	
0305	4	5036	Mountain whitefish	270	198	SCALES		0	PIT	900026000186232	
0305	4	5037	Mountain whitefish	307	288	SCALES		2	PIT	900026000033488	
0305	4	5038	Mountain whitefish	267	212	SCALES		0	PIT	900026000186769	
0305	4	5039	Mountain whitefish	304	304	SCALES		0	PIT	900026000154511	
0305	4	5040	Mountain whitefish	283	250	SCALES		2	PIT	900026000017916	
0305	4	5041	Mountain whitefish	348	366	SCALES		2	PIT	900026000186672	
0305	4	5042	Mountain whitefish	289	252	SCALES		0	PIT	900026000155439	
0305	4	5043	Mountain whitefish	313	338	SCALES		2	PIT	900026000034287	
0305	4	5044	Mountain whitefish	313	358	SCALES		0	PIT	900026000154629	
0305	4	5045	Mountain whitefish	286	254	SCALES		2	PIT	965000000084390	
0305	4	5046	Mountain whitefish	282	260	SCALES		0	PIT	900026000155056	
0305	4	5047	Mountain whitefish	328	342	SCALES		0	PIT	900026000154891	
0305	4	5048	Mountain whitefish	212	106	SCALES		0			
0305	4	5049	Bull trout	230	118			2	PIT	900026000186003	
0305	4	5050	Bull trout	269	198	SCALES/FIN RAY	4	0	PIT	900026000154699	
0305	4	5051	Mountain whitefish	334	354	SCALES		0	PIT	900026000154576	
0305	4	5052	Mountain whitefish	278	216	SCALES		0	PIT	900026000155308	
0305	4	5053	Mountain whitefish	294	258	SCALES		0	PIT	900026000154501	
0305	4	5054	Mountain whitefish	313	336	SCALES		2	PIT	965000000079496	
0305	4	5055	Mountain whitefish	304	258	SCALES		0	PIT	900026000155121	
0305	4	5056	Mountain whitefish	304	270	SCALES		2	PIT	900026000056423	
0305	4	5057	Mountain whitefish	282	234	SCALES		2	PIT	900026000083625	
0305	4	5058	Mountain whitefish	371	502	SCALES		0	PIT	900026000063764	
0305	4	5059	Mountain whitefish	269	208	SCALES		2	PIT	900026000186506	
0305	4	5060	Mountain whitefish	198	94	SCALES		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0305	4	5061	Bull trout	327	322		2	PIT	900026000154770	
	0305	4	5062	Mountain whitefish	283	248	SCALES	0	PIT	900026000147505	
	0305	4	5063	Mountain whitefish	301	312	SCALES	2	PIT	965000000065573	
	0305	4	5064	Mountain whitefish	302	288	SCALES	0	PIT	900026000154906	
	0305	4	5065	Mountain whitefish	389	546	SCALES	0	PIT	900026000055700	
	0305	4	5066	Mountain whitefish	99	8	SCALES	0			
	0305	4	5067	Mountain whitefish	353	523	SCALES	2	PIT	965000000073149	
	0305	4	5068	Mountain whitefish	341	322	SCALES	2	PIT	4D00026361	
	0305	4	5069	Mountain whitefish	397	730	SCALES	0	PIT	900026000055164	
	0305	4	5070	Mountain whitefish	370	440	SCALES	2	PIT	965000000241025	
	0305	4	5071	Mountain whitefish	362	462	SCALES	2	PIT	965000000087124	
	0305	4	5072	Mountain whitefish	299	296	SCALES	0	PIT	900026000154672	
	0305	4	5073	Mountain whitefish	325	300	SCALES	2	PIT	900026000188195	
	0305	4	5074	Mountain whitefish	341	338	SCALES	2	PIT	900026000148844	
	0305	4	5075	Mountain whitefish	280	254	SCALES	0	PIT	900026000154653	
	0305	4	5076	Arctic grayling	183	74	SCALES	1	0		
	0305	4	5077	Mountain whitefish	264	202	SCALES	0	PIT	900026000055419	
	0305	4	5078	Mountain whitefish	271	236	SCALES	0	PIT	900026000154986	
	0305	4	5079	Arctic grayling	189	82	SCALES	1	0		
	0305	4	5080	Mountain whitefish	358	364	SCALES	9	0	PIT	900026000051294
	0305	4	5081	Mountain whitefish	273	252	SCALES	2	PIT	900026000148032	
	0305	4	5082	Mountain whitefish	317	334	SCALES	6	0	PIT	900026000147931
	0305	4	5083	Mountain whitefish	282	228	SCALES	2	PIT	900026000186172	
	0305	4	5084	Mountain whitefish	267	230	SCALES	0	PIT	900026000147594	
	0305	4	5085	Mountain whitefish	334	326	SCALES	0	PIT	900026000155203	
	0305	4	5086	Mountain whitefish	282	252	SCALES	0	PIT	900026000053838	
	0305	4	5087	Mountain whitefish	250	168	SCALES	2	PIT	900026000186922	
	0305	4	5088	Mountain whitefish	284	230	SCALES	0	PIT	900026000053805	
	0305	4	5089	Mountain whitefish	233	142	SCALES	0			
	0305	4	5090	Mountain whitefish	94	8	SCALES	0			
	0305	4	5091	Mountain whitefish	87	6	SCALES	0	0		
	0305	4	5092	Mountain whitefish	162	36	SCALES	0			
	0305	4	5093	Mountain whitefish	330	322	SCALES	2	PIT	900026000065146	
	0305	4	5094	Mountain whitefish	352	354	SCALES	2	PIT	0A00714165	
	0305	4	5095	Mountain whitefish	277	204	SCALES	2	PIT	900026000154792	
	0305	4	5096	Mountain whitefish	274	224	SCALES	0	PIT	900026000186152	
	0305	4	5097	Bull trout	195	84	SCALES	2	0		
	0305	4	5098	Mountain whitefish	445	928	SCALES	2	PIT	965000000243324	
	0305	4	5099	Mountain whitefish	252	162	SCALES	0	PIT	900026000186766	
	0305	4	5100	Mountain whitefish	248	168	SCALES	0			
	0305	4	5101	Mountain whitefish	277	228	SCALES	0	PIT	900026000186698	
	0305	4	5102	Mountain whitefish	193	90	SCALES	0			
	0305	4	5103	Mountain whitefish	198	92	SCALES	0			
	0305	4	5104	Bull trout	211	98	SCALES/FIN RAY	3	0	PIT	900026000186577
	0305	4	5105	Mountain whitefish	269	198	SCALES	0	PIT	900026000186675	
	0305	4	5106	Mountain whitefish	277	242	SCALES	0	PIT	900026000186218	
	0306	4	5107	Mountain whitefish	339	376	SCALES	7	2	PIT	0A00717312
	0306	4	5108	Mountain whitefish	282	236	SCALES	0	PIT	900026000186302	
	0306	4	5109	Mountain whitefish	250	176	SCALES	0	PIT	900026000186865	
	0306	4	5110	Mountain whitefish	325	320	SCALES	2	PIT	965000000245792	
	0306	4	5111	Mountain whitefish	265	198	SCALES	0	PIT	900026000186161	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0306	4	5112	Mountain whitefish	413	708	SCALES		0	PIT	900026000186940
	0306	4	5113	Mountain whitefish	306	290	SCALES		2	PIT	900026000154728
	0306	4	5114	Mountain whitefish	146	32	SCALES		0		
	0306	4	5115	Mountain whitefish	289	266	SCALES		0	PIT	900026000187961
	0306	4	5116	Mountain whitefish	299	284	SCALES		0	PIT	900026000186012
	0306	4	5117	Mountain whitefish	271	258	SCALES		2	PIT	900026000055307
	0306	4	5118	Mountain whitefish	377	388	SCALES		2	PIT	965000000064614
	0306	4	5119	Mountain whitefish	324	274	SCALES		2	PIT	900026000052385
	0306	4	5120	Mountain whitefish	318	306	SCALES		2	PIT	900026000188782
	0306	4	5121	Mountain whitefish	85	6	SCALES		0		
	0306	4	5122	Mountain whitefish	243	176	SCALES		0		
	0314	4	5123	Rainbow trout	253	206	SCALES		2	PIT	900026000154671
	0314	4	5124	Mountain whitefish	284	324	SCALES	5	0		
	0314	4	5125	Mountain whitefish	355	536	SCALES		2	PIT	965000000073149
	0314	4	5126	Mountain whitefish	167	56	SCALES		0		
	0314	4	5127	Rainbow trout	294	310	SCALES		2	PIT	900026000055176
	0314	4	5128	Mountain whitefish	314	314	SCALES		2	PIT	900026000188782
	0314	4	5129	Mountain whitefish	358	444	SCALES		0	PIT	900026000188805
	0314	4	5130	Mountain whitefish	257	186	SCALES		0	PIT	900026000186298
	0314	4	5131	Mountain whitefish	298	260	SCALES		0	PIT	900026000187980
	0314	4	5132	Mountain whitefish	294	240	SCALES		2	PIT	900026000147562
	0314	4	5133	Mountain whitefish	286	244	SCALES		2	PIT	900026000052003
	0314	4	5134	Mountain whitefish	259	198	SCALES		0	PIT	900026000188799
	0314	4	5135	Mountain whitefish	316	290	SCALES	5	0	PIT	900026000188727
	0314	4	5136	Mountain whitefish	148	40	SCALES		0		
	0314	4	5137	Mountain whitefish	263	216	SCALES		0	PIT	900026000188541
	0314	4	5138	Mountain whitefish	169	58	SCALES		0		
	0314	4	5139	Mountain whitefish	263	202	SCALES		2	PIT	900026000154823
	0314	4	5140	Mountain whitefish	256	176	SCALES		0	PIT	900026000186502
	0314	4	5141	Mountain whitefish	146	44	SCALES		0		
	0314	4	5142	Mountain whitefish	290	262	SCALES		2	PIT	900026000054851
	0314	4	5143	Mountain whitefish	297	300	SCALES	4	2	PIT	965000000071323
	0314	4	5144	Mountain whitefish	274	218	SCALES		0	PIT	900026000188919
	0314	4	5145	Mountain whitefish	307	284	SCALES		0	PIT	900026000186171
	0314	4	5146	Mountain whitefish	288	260	SCALES		2	PIT	965000000070723
	0314	4	5147	Bull trout	233	146	SCALES/FIN RAY	3	0	PIT	900026000186495
	0314	4	5148	Mountain whitefish	366	460	SCALES		2	PIT	965000000247730
	0314	4	5149	Mountain whitefish	241	162	SCALES		0		
	0314	4	5150	Mountain whitefish	303	272	SCALES		0	PIT	900026000186688
	0314	4	5151	Mountain whitefish	263	200	SCALES		0	PIT	900026000147183
	0314	4	5152	Mountain whitefish	282	238	SCALES		0	PIT	900026000154652
	0314	4	5153	Mountain whitefish	197	92	SCALES		0		
	0314	4	5154	Mountain whitefish	155	50	SCALES		0		
	0314	4	5155	Mountain whitefish	334	392	SCALES		2	PIT	900026000184320
	0314	4	5156	Mountain whitefish	294	272	SCALES		0	PIT	900026000052327
	0314	4	5157	Mountain whitefish	237	160	SCALES		0		
	0314	4	5158	Rainbow trout	372	640	SCALES		0		
	0315	4	5159	Rainbow trout	232	172	SCALES		0		
	0315	4	5160	Bull trout	511	1248			2	PIT	900026000147406
	0315	4	5161	Rainbow trout	213	138	SCALES		0		
	0315	4	5162	Rainbow trout	296	328	SCALES		0	PIT	900026000083392

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0315	4	5163	Mountain whitefish	293	250	SCALES		2	PIT	900026000054509
	0315	4	5164	Mountain whitefish	329	346	SCALES		0	PIT	900026000055669
	0315	4	5165	Mountain whitefish	284	234	SCALES		0	PIT	900026000155148
	0315	4	5166	Mountain whitefish	283	260	SCALES		0	PIT	900026000154740
	0315	4	5167	Mountain whitefish	272	222	SCALES		0	PIT	900026000155215
	0315	4	5168	Mountain whitefish	314		SCALES		2	PIT	965000000281739
	0315	4	5169	Mountain whitefish	285	240	SCALES		0	PIT	900026000154863
	0315	4	5170	Mountain whitefish	277	244	SCALES		0	PIT	900026000154864
	0315	4	5171	Mountain whitefish	267	220	SCALES		0	PIT	900026000147816
	0315	4	5172	Mountain whitefish	214	106	SCALES		0		
	0315	4	5173	Mountain whitefish	283	226	SCALES		2	PIT	900026000188892
	0315	4	5174	Mountain whitefish	340	454	SCALES		0	PIT	900026000052511
	0315	4	5175	Mountain whitefish	289	278	SCALES		0	PIT	900026000154768
	0315	4	5176	Mountain whitefish	278	258	SCALES		2	PIT	965000000281734
	0315	4	5177	Mountain whitefish	286	226	SCALES		2	PIT	900026000064649
	0315	4	5178	Mountain whitefish	312	286	SCALES		2	PIT	965000000247868
	0315	4	5179	Mountain whitefish	265	210	SCALES		0	PIT	900026000147276
	0315	4	5180	Mountain whitefish	304	270	SCALES		2	PIT	900026000034101
	0315	4	5181	Mountain whitefish	324	280	SCALES		2	PIT	900026000052385
	0315	4	5182	Mountain whitefish	274	250	SCALES		2	PIT	965000000282761
	0315	4	5183	Mountain whitefish	292	264	SCALES		2	PIT	900026000154905
	0315	4	5184	Mountain whitefish	278	238	SCALES		2	PIT	900026000055232
	0315	4	5185	Mountain whitefish	380	462	SCALES	6	2	PIT	965000000073062
	0315	4	5186	Mountain whitefish	295	260	SCALES		2	PIT	900026000061401
	0315	4	5187	Mountain whitefish	313	270	SCALES		0	PIT	900026000147827
	0315	4	5188	Mountain whitefish	277	220	SCALES		2	PIT	900026000147070
	0315	4	5189	Mountain whitefish	273	242	SCALES		0	PIT	900026000155352
	0315	4	5190	Mountain whitefish	280	202	SCALES		2	PIT	900026000064869
	0315	4	5191	Arctic grayling	215	130	SCALES	1	0		
	0315	4	5192	Mountain whitefish	283	228	SCALES		0	PIT	900026000052418
	0315	4	5193	Mountain whitefish	281	240	SCALES		2	PIT	900026000064826
	0315	4	5194	Mountain whitefish	293	236	SCALES		2	PIT	900026000064697
	0315	4	5195	Mountain whitefish	264	206	SCALES		0	PIT	900026000154837
	0315	4	5196	Mountain whitefish	281	244	SCALES		2	PIT	965000000244235
	0315	4	5197	Mountain whitefish	295	274	SCALES		0	PIT	900026000147609
	0315	4	5198	Mountain whitefish	282	226	SCALES		2	PIT	965000000070830
	0315	4	5199	Mountain whitefish	365	506	SCALES		0	PIT	900026000147835
	0315	4	5200	Mountain whitefish	286	232	SCALES		2	PIT	900026000055600
	0315	4	5201	Mountain whitefish	157	40	SCALES		0		
	0315	4	5202	Mountain whitefish	254	210	SCALES		0	PIT	900026000147948
	0315	4	5203	Mountain whitefish	301	278	SCALES		2	PIT	900026000064012
	0315	4	5204	Mountain whitefish	282	240	SCALES		0	PIT	900026000147733
	0315	4	5205	Mountain whitefish	283	222	SCALES		0	PIT	900026000154817
	0315	4	5206	Mountain whitefish	303	260	SCALES		2	PIT	965000000093282
	0315	4	5207	Mountain whitefish	275	226	SCALES		2	PIT	900026000063336
	0315	4	5208	Mountain whitefish	314	316	SCALES		2	PIT	965000000241888
	0315	4	5209	Mountain whitefish	282	214	SCALES		2	PIT	965000000246392
	0315	4	5210	Mountain whitefish	162	46	SCALES		0		
	0315	4	5211	Mountain whitefish	290	230	SCALES		0	PIT	900026000055554
	0315	4	5212	Mountain whitefish	308	300	SCALES		0	PIT	900026000155054
	0315	4	5213	Mountain whitefish	275	206	SCALES		2	PIT	900026000084039

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0315	4	5214	Mountain whitefish	258	168	SCALES		0	PIT	900026000055240
	0315	4	5215	Mountain whitefish	286	236	SCALES		2	PIT	900026000056162
	0315	4	5216	Mountain whitefish	294	252	SCALES		2	PIT	900026000155328
	0315	4	5217	Mountain whitefish	295	250	SCALES		2	PIT	900026000053911
	0315	4	5218	Mountain whitefish	344	432	SCALES		0	PIT	900026000055743
	0315	4	5219	Mountain whitefish	267	206	SCALES		0	PIT	900026000035196
	0315	4	5220	Mountain whitefish	204	86	SCALES		0		
	0315	4	5221	Mountain whitefish	333	400	SCALES		0	PIT	900026000147537
	0315	4	5222	Mountain whitefish	138	26	SCALES		0		
	0315	4	5223	Mountain whitefish	155	32	SCALES		0		
	0315	4	5224	Mountain whitefish	263	186	SCALES		0	PIT	900026000147033
	0315	4	5225	Mountain whitefish	296	244	SCALES		0	PIT	900026000053959
	0307	4	5226	Mountain whitefish	287	230	SCALES		0	PIT	900026000147388
	0307	4	5227	Mountain whitefish	291	252	SCALES		2	PIT	900026000054509
	0307	4	5228	Mountain whitefish	364	400	SCALES		0	PIT	900026000147170
	0307	4	5229	Mountain whitefish	279	236	SCALES		2	PIT	900026000154863
	0307	4	5230	Mountain whitefish	342	340	SCALES	7	2	PIT	965000000243054
	0307	4	5231	Mountain whitefish	274	228	SCALES		0	PIT	900026000155246
	0307	4	5232	Mountain whitefish	277	266	SCALES		2	PIT	965000000070143
	0307	4	5233	Mountain whitefish	252	172	SCALES		0	PIT	900026000154644
	0307	4	5234	Mountain whitefish	256	168	SCALES		2	PIT	900026000055240
	0307	4	5235	Mountain whitefish	297	244	SCALES		2	PIT	965000000247258
	0307	4	5236	Mountain whitefish	295	250	SCALES		0	PIT	900026000154605
	0307	4	5237	Mountain whitefish	292	284	SCALES		0	PIT	900026000055947
	0307	4	5238	Mountain whitefish	388	482	SCALES		2	PIT	965000000090484
	0307	4	5239	Mountain whitefish	360	450	SCALES		0	PIT	900026000154611
	0307	4	5240	Mountain whitefish	288	252	SCALES		0	PIT	900026000083469
	0307	4	5241	Mountain whitefish	301	284	SCALES		0	PIT	900026000053793
	0307	4	5242	Mountain whitefish	292	248	SCALES		2	PIT	900026000055547
	0307	4	5243	Mountain whitefish	354	402	SCALES		2	PIT	965000000247149
	0307	4	5244	Mountain whitefish	312	280	SCALES		2	PIT	0A00711026
	0307	4	5245	Mountain whitefish	264	194	SCALES		2	PIT	900026000147853
	0307	4	5246	Mountain whitefish	276	216	SCALES		0	PIT	900026000147068
	0307	4	5247	Mountain whitefish	294	260	SCALES		2	PIT	900026000061401
	0307	4	5248	Mountain whitefish	317	358	SCALES		0	PIT	900026000055411
	0307	4	5249	Bull trout	465	932	FIN RAY	5	0	PIT	900026000154532
	0307	4	5250	Mountain whitefish	293	272	SCALES		2	PIT	900026000147609
	0307	4	5251	Mountain whitefish	306	298	SCALES		2	PIT	965000000240377
	0307	4	5252	Mountain whitefish	288	242	SCALES		0	PIT	900026000147968
	0307	4	5253	Mountain whitefish	269	206	SCALES		0	PIT	900026000147902
	0307	4	5254	Mountain whitefish	310	274	SCALES		0	PIT	900026000154999
	0307	4	5255	Mountain whitefish	294	262	SCALES		0	PIT	900026000053721
	0307	4	5256	Mountain whitefish	328	450	SCALES		2	PIT	965000000067768
	0307	4	5257	Mountain whitefish	264	222	SCALES		2	PIT	900026000034981
	0307	4	5258	Mountain whitefish	297	272	SCALES		0	PIT	900026000052033
	0307	4	5259	Mountain whitefish	299	252	SCALES		2	PIT	965000000244576
	0307	4	5260	Mountain whitefish	294	278	SCALES	6	2	PIT	965000000243952
	0307	4	5261	Mountain whitefish	272	220	SCALES		0	PIT	900026000155250
	0307	4	5262	Mountain whitefish	271	214	SCALES		0	PIT	900026000155403
	0307	4	5263	Mountain whitefish	280	246	SCALES	4	2	PIT	965000000282856
	0307	4	5264	Mountain whitefish	297	262	SCALES		0	PIT	900026000147819

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Tag		
									Type	Number	Colour
3											
0307	4	5265	Mountain whitefish	321	344	SCALES		0	PIT	900026000147010	
0307	4	5266	Mountain whitefish	284	246	SCALES		0	PIT	900026000155050	
0307	4	5267	Mountain whitefish	304	266	SCALES		0	PIT	900026000154549	
0307	4	5268	Mountain whitefish	370	360	SCALES		2	PIT	965000000085607	
0307	4	5269	Mountain whitefish	283	226	SCALES		2	PIT	965000000082466	
0307	4	5270	Mountain whitefish	265	210	SCALES		0	PIT	900026000154819	
0307	4	5271	Mountain whitefish	327	322	SCALES		2	PIT	900026000053749	
0307	4	5272	Mountain whitefish	319	316	SCALES		0	PIT	900026000052173	
0307	4	5273	Mountain whitefish	283	244	SCALES		0	PIT	900026000154978	
0307	4	5274	Mountain whitefish	318	310	SCALES		2	PIT	900026000054648	
0307	4	5275	Mountain whitefish	292	262	SCALES		2	PIT	900026000155446	
0307	4	5276	Mountain whitefish	315	248	SCALES		2	PIT	965000000246182	
0307	4	5277	Mountain whitefish	304	292	SCALES		2	PIT	900026000056088	
0307	4	5278	Mountain whitefish	305	280	SCALES		0	PIT	900026000154811	
0307	4	5279	Mountain whitefish	262	182	SCALES		2	PIT	900026000188939	
0307	4	5280	Mountain whitefish	297	302	SCALES		2	PIT	900026000065212	
0307	4	5281	Mountain whitefish	304	286	SCALES		2	PIT	965000000067988	
0307	4	5282	Mountain whitefish	325	352	SCALES		0	PIT	900026000154957	
0307	4	5283	Mountain whitefish	264	180	SCALES		2	PIT	900026000057285	
0307	4	5284	Mountain whitefish	298	280	SCALES		0	PIT	900026000147096	
0307	4	5285	Mountain whitefish	242	140	SCALES		0			
0307	4	5286	Mountain whitefish	282	274	SCALES	5	0			
0307	4	5287	Mountain whitefish	302	300	SCALES	5	2	PIT	965000000086625	
0307	4	5288	Mountain whitefish	317	348	SCALES		2	PIT	965000000243768	
0307	4	5289	Mountain whitefish	296	284	SCALES		0	PIT	900026000155111	
0307	4	5290	Mountain whitefish	278	238	SCALES		0	PIT	900026000154707	
0307	4	5291	Mountain whitefish	304	318	SCALES		2	PIT	965000000243917	
0307	4	5292	Mountain whitefish	261	214	SCALES		2	PIT	900026000033467	
0307	4	5293	Mountain whitefish	305	278	SCALES		2	PIT	900026000054581	
0307	4	5294	Mountain whitefish	283	242	SCALES		0	PIT	900026000154664	
0307	4	5295	Mountain whitefish	312	284	SCALES		0	PIT	900026000154588	
0307	4	5296	Mountain whitefish	291	244	SCALES		0	PIT	900026000035332	
0307	4	5297	Mountain whitefish	281	202	SCALES	5	2	PIT	900026000064599	
0307	4	5298	Mountain whitefish	297	244	SCALES		0	PIT	900026000147365	
0307	4	5299	Mountain whitefish	290	264	SCALES		2	PIT	900026000054276	
0307	4	5300	Mountain whitefish	198	88	SCALES		0			
0307	4	5301	Mountain whitefish	329	348	SCALES		2	PIT	900026000051605	
0307	4	5302	Mountain whitefish	262	206	SCALES		0	PIT	900026000147331	
0307	4	5303	Mountain whitefish	274	200	SCALES		0	PIT	900026000154824	
0307	4	5304	Mountain whitefish	287	244	SCALES		0	PIT	900026000155036	
0307	4	5305	Mountain whitefish	344	390	SCALES		0	PIT	900026000154531	
0307	4	5306	Mountain whitefish	337	344	SCALES		0	PIT	900026000155361	
0308	4	5307	Mountain whitefish	440	786	SCALES		2	PIT	900026000056008	
0308	4	5308	Mountain whitefish	352	362	SCALES		2	PIT	900026000084001	
0308	4	5309	Mountain whitefish	300	294	SCALES	4	0	PIT	900026000155493	
0308	4	5310	Mountain whitefish	352	448	SCALES		0	PIT	900026000154862	
0308	4	5311	Mountain whitefish	270	224	SCALES		2	PIT	900026000154582	
0308	4	5312	Mountain whitefish	317	288	SCALES		2	PIT	965000000243443	
0308	4	5313	Mountain whitefish	308	298	SCALES	5	2	PIT	0A00744565	
0308	4	5314	Mountain whitefish	274	222	SCALES		2	PIT	965000000001326	
0308	4	5315	Mountain whitefish	370	438	SCALES		2	PIT	900026000053994	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0308	4	5316	Mountain whitefish	309	308	SCALES		2	PIT	900026000065445
	0308	4	5317	Mountain whitefish	322	326	SCALES		0	PIT	900026000147688
	0308	4	5318	Mountain whitefish	284	228	SCALES		0	PIT	900026000154708
	0308	4	5319	Mountain whitefish	275	262	SCALES		0	PIT	900026000188943
	0308	4	5320	Mountain whitefish	318	338	SCALES		2	PIT	965000000245197
	0308	4	5321	Mountain whitefish	345	340	SCALES		2	PIT	965000000244204
	0308	4	5322	Mountain whitefish	315	300	SCALES		2	PIT	4D00021272
	0308	4	5323	Mountain whitefish	304	320	SCALES		0	PIT	900026000186440
	0308	4	5324	Mountain whitefish	253	194	SCALES		0	PIT	900026000188913
	0308	4	5325	Mountain whitefish	277	222	SCALES		0	PIT	900026000186352
	0308	4	5326	Mountain whitefish	301	260	SCALES		2	PIT	965000000243869
	0308	4	5327	Mountain whitefish	291	290	SCALES		2	PIT	965000000005634
	0308	4	5328	Mountain whitefish	285	240	SCALES		2	PIT	900026000053770
	0308	4	5329	Mountain whitefish	285	240	SCALES		2	PIT	965000000282517
	0308	4	5330	Mountain whitefish	232	134	SCALES		0		
	0308	4	5331	Mountain whitefish	274	246	SCALES		2	PIT	900026000083483
	0308	4	5332	Mountain whitefish	287	264	SCALES		2	PIT	900026000054387
	0308	4	5333	Mountain whitefish	296	256	SCALES		2	PIT	900026000064120
	0308	4	5334	Mountain whitefish	227	124	SCALES		0		
	0308	4	5335	Mountain whitefish	285	264	SCALES		2	PIT	965000000066386
	0308	4	5336	Mountain whitefish	310	304	SCALES		0	PIT	900026000186420
	0308	4	5337	Mountain whitefish	293	264	SCALES		0	PIT	900026000188077
	0308	4	5338	Mountain whitefish	316	338	SCALES		0	PIT	900026000186699
	0308	4	5339	Mountain whitefish	282	244	SCALES		2	PIT	900026000055579
	0308	4	5340	Mountain whitefish	233	146	SCALES		0		
	0308	4	5341	Mountain whitefish	287	244	SCALES		2	PIT	900026000147421
	0308	4	5342	Mountain whitefish	330	332	SCALES		2	PIT	900026000054689
	0308	4	5343	Mountain whitefish	255	202	SCALES	3	2	PIT	900026000035206
	0308	4	5344	Mountain whitefish	326	380	SCALES		0	PIT	900026000186409
	0308	4	5345	Mountain whitefish	280	244	SCALES		0	PIT	900026000186092
	0308	4	5346	Mountain whitefish	335	352	SCALES		2	PIT	900026000062035
	0308	4	5347	Mountain whitefish	309	308	SCALES		2	PIT	965000000085633
	0308	4	5348	Mountain whitefish	272	238	SCALES		0	PIT	900026000186312
	0308	4	5349	Mountain whitefish	327	400	SCALES		0	PIT	900026000186283
	0308	4	5350	Mountain whitefish	324	322	SCALES		2	PIT	965000000245952
	0308	4	5351	Mountain whitefish	294	318	SCALES	5	2	PIT	900026000053763
	0308	4	5352	Mountain whitefish	299	250	SCALES		2	PIT	900026000147709
	0308	4	5353	Mountain whitefish	316	370	SCALES		0	PIT	900026000186605
	0308	4	5354	Mountain whitefish	162	52	SCALES		0		
	0308	4	5355	Mountain whitefish	297	288	SCALES		2	PIT	965000000072158
	0308	4	5356	Mountain whitefish	280	216	SCALES		0	PIT	900026000186885
	0308	4	5357	Mountain whitefish	292	268	SCALES		0	PIT	900026000188175
	0308	4	5358	Mountain whitefish	341	266	SCALES		0	PIT	900026000186799
	0308	4	5359	Mountain whitefish	312	270	SCALES	6	2	PIT	900026000065552
	0308	4	5360	Mountain whitefish	306	318	SCALES	5	2	PIT	965000000282161
	0308	4	5361	Mountain whitefish	267	190	SCALES		0	PIT	900026000186377
	0308	4	5362	Mountain whitefish	280	246	SCALES		0	PIT	900026000186916
	0308	4	5363	Mountain whitefish	242	146	SCALES		0		
	0308	4	5364	Mountain whitefish	263	202	SCALES		0	PIT	900026000188544
	0308	4	5365	Mountain whitefish	279	222	SCALES		0	PIT	900026000186863
	0308	4	5366	Mountain whitefish	327	346	SCALES		2	PIT	900026000083614

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0308	4	5367	Mountain whitefish	285	206	SCALES		2	PIT	965000000089514
	0308	4	5368	Mountain whitefish	257	176	SCALES		0	PIT	900026000186097
	0308	4	5369	Mountain whitefish	294	308	SCALES		0	PIT	900026000186432
	0308	4	5370	Mountain whitefish	268	222	SCALES		2	PIT	900026000056593
	0308	4	5371	Mountain whitefish	286	228	SCALES		0	PIT	900026000186393
	0308	4	5372	Mountain whitefish	280	210	SCALES		0	PIT	900026000188743
	0308	4	5373	Mountain whitefish	348	362	SCALES		2	PIT	965000000245428
	0308	4	5374	Mountain whitefish	265	198	SCALES		0	PIT	900026000188133
	0308	4	5375	Mountain whitefish	300	250	SCALES		0	PIT	900026000186501
	0308	4	5376	Mountain whitefish	378	512	SCALES	8	0	PIT	900026000054367
	0308	4	5377	Mountain whitefish	274	202	SCALES		0	PIT	900026000052412
	0308	4	5378	Mountain whitefish	280	234	SCALES		2	PIT	900026000053891
	0308	4	5379	Mountain whitefish	300	290	SCALES	5	0	PIT	900026000055460
	0308	4	5380	Mountain whitefish	283	250	SCALES		2	PIT	900026000064836
	0308	4	5381	Mountain whitefish	265	176	SCALES		0	PIT	900026000154656
	0308	4	5382	Mountain whitefish	313	332	SCALES		0	PIT	900026000147181
	0308	4	5383	Mountain whitefish	253	168	SCALES		0	PIT	900026000155007
	0308	4	5384	Mountain whitefish	270	210	SCALES		2	PIT	965000000281686
	0308	4	5385	Mountain whitefish	204	104	SCALES		0		
	0308	4	5386	Mountain whitefish	298	282	SCALES		2	PIT	965000000245230
	0308	4	5387	Mountain whitefish	295	260	SCALES		2	PIT	965000000281754
	0308	4	5388	Mountain whitefish	274	218	SCALES		0	PIT	900026000154622
	0308	4	5389	Mountain whitefish	143	32	SCALES		0		
	0308	4	5390	Mountain whitefish	148	40	SCALES		0		
	0308	4	5391	Mountain whitefish	202	94	SCALES		0		
	0316	4	5392	Mountain whitefish	339	386	SCALES		2	FLOY	3219 YELLOW
	0316	4	5393	Mountain whitefish	290	254	SCALES		2	PIT	965000000243858
	0316	4	5394	Mountain whitefish	224	134	SCALES		0		
	0316	4	5395	Mountain whitefish	293	292	SCALES		0	PIT	900026000147960
	0316	4	5396	Mountain whitefish	264	206	SCALES		0	PIT	900026000055646
	0316	4	5397	Mountain whitefish	273	224	SCALES		0	PIT	900026000147606
	0316	4	5398	Mountain whitefish	156	42	SCALES		0		
	0316	4	5399	Mountain whitefish	298	230	SCALES		0	PIT	900026000154800
	0316	4	5400	Mountain whitefish	164	56	SCALES		0		
	0316	4	5401	Mountain whitefish	253	176	SCALES		2	PIT	900026000147047
	0316	4	5402	Mountain whitefish	284	244	SCALES		2	PIT	900026000147421
	0316	4	5403	Mountain whitefish	158	48	SCALES		0		
	0316	4	5404	Mountain whitefish	154	40	SCALES		0		
	0316	4	5405	Mountain whitefish	149	38	SCALES		0		
	0316	4	5406	Mountain whitefish	285	240	SCALES		0	PIT	900026000155318
	0316	4	5407	Mountain whitefish	303	328	SCALES		2	PIT	900026000147050
	0316	4	5408	Mountain whitefish	176	60	SCALES		0		
	0316	4	5409	Mountain whitefish	261	224	SCALES		0	PIT	900026000154934
	0316	4	5410	Mountain whitefish	218	110	SCALES		0		
	0316	4	5411	Mountain whitefish	288	248	SCALES		0	PIT	900026000055710
	0316	4	5412	Rainbow trout	267	254	SCALES		0	PIT	900026000154985
	0316	4	5413	Mountain whitefish	249	172			0		
	0316	4	5414	Mountain whitefish	150	36	SCALES		0		
	0316	4	5415	Mountain whitefish	296	222	SCALES		0	PIT	900026000051186
	0316	4	5416	Mountain whitefish	268	206	SCALES		2	PIT	900026000147125
	0316	4	5417	Mountain whitefish	284	270	SCALES		0	PIT	900026000155094

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0316	4	5418	Mountain whitefish	285	230	SCALES		0	PIT	900026000147222
	0316	4	5419	Mountain whitefish	275	270	SCALES		2	PIT	965000000079045
	0316	4	5420	Mountain whitefish	159	38	SCALES		0		
	0316	4	5421	Mountain whitefish	262	176	SCALES		0	PIT	900026000147766
	0316	4	5422	Mountain whitefish	250	178	SCALES		0	PIT	900026000147442
	0316	4	5423	Mountain whitefish	260	164	SCALES		0	PIT	900026000155264
	0316	4	5424	Mountain whitefish	176	62	SCALES		0		
	0316	4	5425	Mountain whitefish	297	266	SCALES		2	PIT	965000000093016
	0316	4	5426	Mountain whitefish	279	242	SCALES		2	PIT	900026000186916
	0316	4	5427	Mountain whitefish	250	192	SCALES		0	PIT	900026000154696
	0316	4	5428	Mountain whitefish	258	186	SCALES	4	0	PIT	900026000155052
	0316	4	5429	Mountain whitefish	210	104	SCALES		0		
	0316	4	5430	Mountain whitefish	227	128	SCALES		0		
	0316	4	5431	Mountain whitefish	156	44	SCALES		0		
	0316	4	5432	Mountain whitefish	284	282	SCALES		0	PIT	900026000052532
	0316	4	5433	Mountain whitefish	309	244	SCALES		0	PIT	900026000155147
	0316	4	5434	Mountain whitefish	236	176	SCALES		0		
	0316	4	5435	Mountain whitefish	170	50	SCALES		0		
	0316	4	5436	Mountain whitefish	168	52	SCALES		0		
	0316	4	5437	Arctic grayling	182	74	SCALES	1	0		
	0316	4	5438	Mountain whitefish	267	230	SCALES	4	2	PIT	900026000147426
	0316	4	5439	Mountain whitefish	263	204	SCALES		2	PIT	900026000188544
	0316	4	5440	Mountain whitefish	247	162	SCALES		0		
	0316	4	5441	Mountain whitefish	302	274	SCALES		2	PIT	900026000052106
	0316	4	5442	Mountain whitefish	222	126	SCALES		0		
	0316	4	5443	Mountain whitefish	158	38	SCALES		0		
	0316	4	5444	Bull trout	505	1378			2	PIT	900026000054903
	0311	4	5445	Mountain whitefish	307	294	SCALES		2	PIT	965000000248112
	0311	4	5446	Mountain whitefish	220	128	SCALES		0		
	0311	4	5447	Mountain whitefish	166	52	SCALES		0		
	0311	4	5448	Mountain whitefish	279	252	SCALES		2	PIT	900026000186791
	0311	4	5449	Mountain whitefish	247	162	SCALES		0		
	0311	4	5450	Mountain whitefish	247	160	SCALES		0		
	0311	4	5451	Mountain whitefish	300	318	SCALES		0	PIT	900026000051558
	0311	4	5452	Mountain whitefish	152	38	SCALES		0		
	0311	4	5453	Mountain whitefish	144	32	SCALES		0		
	0311	4	5454	Mountain whitefish	307	274	SCALES	5	0	PIT	900026000154573
	0311	4	5455	Mountain whitefish	282	234	SCALES		2	PIT	900026000155401
	0311	4	5456	Mountain whitefish	265	186	SCALES	4	0	PIT	900026000147731
	0311	4	5457	Mountain whitefish	281	254	SCALES		2	PIT	900026000147193
	0311	4	5458	Mountain whitefish	433	874	SCALES	10	0	PIT	900026000052344
	0311	4	5459	Mountain whitefish	273	258	SCALES		0	PIT	900026000154885
	0311	4	5460	Mountain whitefish	255	178	SCALES		0	PIT	900026000147483
	0311	4	5461	Mountain whitefish	310	278	SCALES		2	PIT	965000000282351
	0311	4	5462	Mountain whitefish	150	38	SCALES		0		
	0311	4	5463	Mountain whitefish	309	298	SCALES		0	PIT	900026000147298
	0311	4	5464	Mountain whitefish	274	254	SCALES		0	PIT	900026000147743
	0311	4	5465	Mountain whitefish	298	244	SCALES		0	PIT	900026000063168
	0311	4	5466	Mountain whitefish	251	172	SCALES		0	PIT	900026000147117
	0311	4	5467	Mountain whitefish	283	236	SCALES		0	PIT	900026000147735
	0311	4	5468	Mountain whitefish	162	54	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0311	4	5469	Mountain whitefish	203	100	SCALES		0		
	0311	4	5470	Mountain whitefish	255	190	SCALES		0	PIT	900026000057039
	0311	4	5471	Mountain whitefish	301	294	SCALES		0	PIT	900026000154735
	0311	4	5472	Mountain whitefish	432	764	SCALES		2	PIT	900026000056051
	0311	4	5473	Mountain whitefish	314	320	SCALES		0	PIT	900026000147045
	0311	4	5474	Mountain whitefish	302	284	SCALES		0	PIT	900026000052415
	0311	4	5475	Mountain whitefish	379	538	SCALES		2	PIT	900026000084133
	0311	4	5476	Mountain whitefish	264	220	SCALES		0	PIT	900026000147975
	0311	4	5477	Mountain whitefish	333	342	SCALES		0	PIT	900026000051729
	0311	4	5478	Mountain whitefish	340	340	SCALES		0	PIT	900026000155467
	0311	4	5479	Mountain whitefish	260	210	SCALES		0	PIT	900026000148802
	0311	4	5480	Mountain whitefish	353	406	SCALES		2	PIT	900026000052324
	0311	4	5481	Mountain whitefish	322	250	SCALES		2	PIT	965000000071963
	0311	4	5482	Mountain whitefish	324	302	SCALES		2	PIT	965000000084815
	0311	4	5483	Mountain whitefish	264	224	SCALES		0	PIT	900026000053593
	0311	4	5484	Mountain whitefish	320	260	SCALES		0	PIT	900026000154908
	0311	4	5485	Mountain whitefish	290	234	SCALES		0	PIT	900026000155257
	0311	4	5486	Mountain whitefish	278	264	SCALES		0	PIT	900026000051224
	0311	4	5487	Mountain whitefish	250	178	SCALES		0	PIT	900026000155218
	0311	4	5488	Mountain whitefish	333	352	SCALES		0	PIT	900026000147713
	0311	4	5489	Mountain whitefish	270	238	SCALES		2	PIT	900026000054854
	0311	4	5490	Mountain whitefish	192	76	SCALES		0		
	0311	4	5491	Mountain whitefish	255	186	SCALES		0	PIT	900026000155192
	0311	4	5492	Mountain whitefish	333	326	SCALES		2	PIT	965000000246698
	0311	4	5493	Mountain whitefish	280	238	SCALES		2	PIT	900026000061792
	0311	4	5494	Mountain whitefish	262	188	SCALES		0		
	0311	4	5495	Mountain whitefish	296	278	SCALES		0	PIT	900026000147674
	0311	4	5496	Mountain whitefish	288	238	SCALES		0	PIT	900026000057067
	0311	4	5497	Mountain whitefish	290	294	SCALES		0	PIT	900026000154538
	0311	4	5498	Mountain whitefish	345	382	SCALES		0	PIT	900026000154951
	0311	4	5499	Mountain whitefish	336	380	SCALES		0	PIT	900026000155354
	0311	4	5500	Mountain whitefish	348	366	SCALES		2	PIT	900026000154933
	0311	4	5501	Mountain whitefish	317	282	SCALES		0	PIT	900026000055738
	0311	4	5502	Mountain whitefish	306	296	SCALES		0	PIT	900026000154539
	0309	4	5503	Bull trout	264	182			2	PIT	900026000056118
	0309	4	5504	Mountain whitefish	348	366	SCALES		2	PIT	900026000154933
	0309	4	5505	Mountain whitefish	287	270	SCALES		0	PIT	900026000053765
	0309	4	5506	Mountain whitefish	227	120	SCALES		0		
	0309	4	5507	Mountain whitefish	292	232	SCALES		2	PIT	900026000084128
	0309	4	5508	Mountain whitefish	264	200	SCALES		0	PIT	900026000147678
	0309	4	5509	Mountain whitefish	276	230	SCALES		2	PIT	965000000281259
	0309	4	5510	Mountain whitefish	277	226	SCALES		2	PIT	900026000055584
	0309	4	5511	Mountain whitefish	220	108	SCALES		0		
	0309	4	5512	Mountain whitefish	261	198	SCALES		0	PIT	900026000147614
	0309	4	5513	Mountain whitefish	213	90	SCALES		0		
	0309	4	5514	Mountain whitefish	227	128	SCALES		0		
	0309	4	5515	Mountain whitefish	277	224	SCALES		0	PIT	900026000155222
	0309	4	5516	Mountain whitefish	202	96	SCALES		0		
	0309	4	5517	Mountain whitefish	266	186	SCALES		0	PIT	900026000147599
	0309	4	5518	Mountain whitefish	144	34	SCALES		0		
	0309	4	5519	Mountain whitefish	294	278	SCALES		2	PIT	900026000155259

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0309	4	5520	Mountain whitefish	282	250	SCALES		2	PIT	900026000154686
	0309	4	5521	Mountain whitefish	337	348	SCALES		2	PIT	900026000051729
	0309	4	5522	Mountain whitefish	187	70	SCALES		0		
	0309	4	5523	Mountain whitefish	247	160	SCALES		0		
	0309	4	5524	Mountain whitefish	257	186	SCALES		2	PIT	900026000057039
	0309	4	5525	Mountain whitefish	314	318	SCALES		2	PIT	900026000147045
	0309	4	5526	Mountain whitefish	342	382	SCALES	7	0	PIT	900026000154960
	0309	4	5527	Mountain whitefish	278	250	SCALES		2	PIT	965000000282765
	0309	4	5528	Mountain whitefish	246	160	SCALES		0		
	0309	4	5529	Mountain whitefish	264	192	SCALES		0	PIT	900026000147295
	0309	4	5530	Mountain whitefish	290	288	SCALES		0	PIT	900026000155119
	0309	4	5531	Mountain whitefish	264	226	SCALES		0	PIT	900026000155466
	0309	4	5532	Mountain whitefish	252	162	SCALES		0	PIT	900026000147192
	0309	4	5533	Mountain whitefish	243	150	SCALES		0		
	0309	4	5534	Mountain whitefish	254	208	SCALES	4	0	PIT	900026000147634
	0309	4	5535	Mountain whitefish	239	136	SCALES		0		
	0309	4	5536	Mountain whitefish	242	148	SCALES		0		
	0309	4	5537	Mountain whitefish	162	46	SCALES		0		
	0309	4	5538	Mountain whitefish	210	98	SCALES		0		
	0309	4	5539	Mountain whitefish	273	222	SCALES		2	PIT	900026000034654
	0309	4	5540	Mountain whitefish	237	142	SCALES	3	0		
	0309	4	5541	Mountain whitefish	210	120	SCALES		0		
	0309	4	5542	Mountain whitefish	159	44	SCALES		0		
	0309	4	5543	Mountain whitefish	138	26	SCALES		0		
	0309	4	5544	Mountain whitefish	336	378	SCALES		2	PIT	900026000155354
	0309	4	5545	Mountain whitefish	275	246	SCALES		2	PIT	900026000186791
	0309	4	5546	Mountain whitefish	209	108	SCALES		0		
	0309	4	5547	Mountain whitefish	97	10	SCALES		0		
	0309	4	5548	Mountain whitefish	182	58	SCALES		0		
	0310	4	5549	Bull trout	615	3100			2	PIT	965000000077957
	0310	4	5550	Mountain whitefish	274	230	SCALES		0	PIT	900026000154922
	0310	4	5551	Mountain whitefish	312	314	SCALES		0	PIT	900026000055659
	0310	4	5552	Mountain whitefish	330	362	SCALES		0	PIT	900026000055727
	0310	4	5553	Bull trout	244	150			2	PIT	900026000083767
	0310	4	5554	Mountain whitefish	298	318	SCALES		0	PIT	900026000053847
	0310	4	5555	Mountain whitefish	207	98	SCALES		0		
	0310	4	5556	Mountain whitefish	318	302	SCALES	6	2	PIT	965000000087825
	0310	4	5557	Mountain whitefish	247	196	SCALES		0		
	0310	4	5558	Mountain whitefish	159	42	SCALES		0		
	0310	4	5559	Mountain whitefish	294	268	SCALES		2	PIT	900026000055340
	0310	4	5560	Mountain whitefish	245	176	SCALES		0		
	0310	4	5561	Mountain whitefish	284	236	SCALES		0	PIT	900026000147958
	0310	4	5562	Arctic grayling	330	514	SCALES	4	0	PIT	900026000035598
	0310	4	5563	Mountain whitefish	260	174	SCALES		2	PIT	965000000072567
	0310	4	5564	Mountain whitefish	173	62	SCALES		0		
	0310	4	5565	Mountain whitefish	264	216	SCALES		2	PIT	900026000147090
	0310	4	5566	Mountain whitefish	328	368	SCALES		0	PIT	900026000154995
	0310	4	5567	Mountain whitefish	341	372	SCALES		2	PIT	900026000065230
	0310	4	5568	Mountain whitefish	147	36	SCALES		0		
	0310	4	5569	Mountain whitefish	273	250	SCALES		2	PIT	900026000054610
	0310	4	5570	Mountain whitefish	296	290	SCALES		0	PIT	900026000147071

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0310	4	5571	Mountain whitefish	159	48	SCALES		0		
	0310	4	5572	Mountain whitefish	167	50	SCALES		0		
	0310	4	5573	Mountain whitefish	278	216	SCALES		0	PIT	900026000155363
	0310	4	5574	Mountain whitefish	336	330	SCALES		2	PIT	0A00707631
	0310	4	5575	Mountain whitefish	175	62	SCALES	1	0		
	0310	4	5576	Mountain whitefish	153	40	SCALES		0		
	0310	4	5577	Mountain whitefish	172	56	SCALES		0		
	0310	4	5578	Mountain whitefish	172	54	SCALES		0		
	0310	4	5579	Mountain whitefish	152	40	SCALES		0		
	0310	4	5580	Mountain whitefish	281	260	SCALES	5	0	PIT	900026000154917
	0310	4	5581	Mountain whitefish	296	256	SCALES		0	PIT	900026000155418
	0310	4	5582	Bull trout	218	124	SCALES/FIN RAY	3	0	PIT	900026000147053
	0310	4	5583	Bull trout	212	102	SCALES/FIN RAY	2	0	PIT	900026000055537
	0310	4	5584	Mountain whitefish	293	268	SCALES		0	PIT	900026000155035
	0310	4	5585	Mountain whitefish	294	282	SCALES		0	PIT	900026000155071
	0310	4	5586	Mountain whitefish	154	40	SCALES	2	0		
	0310	4	5587	Mountain whitefish	156	46	SCALES		0		
	0310	4	5588	Mountain whitefish	214	108	SCALES		0		
	0312	4	5589	Mountain whitefish	290	236	SCALES		2	PIT	900026000035330
	0312	4	5590	Mountain whitefish	336	434	SCALES		2	PIT	900026000147880
	0312	4	5591	Mountain whitefish	208	100	SCALES		0		
	0312	4	5592	Mountain whitefish	278	224	SCALES	5	2	PIT	900026000064227
	0312	4	5593	Mountain whitefish	254	186	SCALES		2	PIT	900026000154570
	0312	4	5594	Mountain whitefish	89	6	SCALES		0		
	0312	4	5595	Mountain whitefish	362	442	SCALES		0	PIT	900026000154730
	0312	4	5596	Mountain whitefish	328	370	SCALES		2	PIT	900026000065253
	0312	4	5597	Mountain whitefish	424	576	SCALES		0	PIT	900026000084059
	0312	4	5598	Mountain whitefish	333	362	SCALES		0	PIT	900026000052090
	0312	4	5599	Mountain whitefish	259	222	SCALES		0	PIT	900026000155103
	0312	4	5600	Mountain whitefish	210	110	SCALES		0		
	0312	4	5601	Mountain whitefish	315	304	SCALES		0	PIT	900026000155058
	0312	4	5602	Mountain whitefish	247	168	SCALES		0		
	0312	4	5603	Mountain whitefish	228	124	SCALES		0		
	0312	4	5604	Mountain whitefish	150	40	SCALES	1	0		
	0312	4	5605	Mountain whitefish	161	46	SCALES		0		
	0312	4	5606	Mountain whitefish	305	268	SCALES		0	PIT	900026000056895
	0312	4	5607	Mountain whitefish	350	406	SCALES		0	PIT	900026000051457
	0312	4	5608	Mountain whitefish	308	284	SCALES		0	PIT	900026000155234
	0312	4	5609	Mountain whitefish	309	326	SCALES		2	FLOY	13682 WHITE
	0312	4	5610	Mountain whitefish	266	170	SCALES		2	PIT	900026000083748
	0312	4	5611	Mountain whitefish	431	804	SCALES		2	PIT	965000000247877
	0312	4	5612	Mountain whitefish	270	210	SCALES		0	PIT	900026000051441
	0312	4	5613	Mountain whitefish	151	36	SCALES		0		
	0312	4	5614	Mountain whitefish	144	34	SCALES		0		
	0312	4	5615	Mountain whitefish	92	6	SCALES	0	0		
	0312	4	5616	Mountain whitefish	153	38	SCALES		0		
	0312	4	5617	Mountain whitefish	387	516	SCALES		2	PIT	965000000239327
	0312	4	5618	Mountain whitefish	287	258	SCALES		2	PIT	900026000053983
	0312	4	5619	Mountain whitefish	287	270	SCALES		2	PIT	900026000083657
	0312	4	5620	Mountain whitefish	320	330	SCALES		2	PIT	900026000148738
	0312	4	5621	Mountain whitefish	210	98	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0312	4	5622	Mountain whitefish	318	306	SCALES		0	PIT	900026000154845	
0312	4	5623	Mountain whitefish	255	216	SCALES		0	PIT	900026000154955	
0312	4	5624	Mountain whitefish	272	222	SCALES		2	PIT	965000000065702	
0312	4	5625	Bull trout	448	830	FIN RAY	4	0	PIT	900026000155144	
0312	4	5626	Mountain whitefish	265	226	SCALES		0	PIT	900026000154997	
0312	4	5627	Mountain whitefish	294	246	SCALES	6	0	PIT	900026000155102	
0312	4	5628	Mountain whitefish	299	274	SCALES		2	PIT	900026000057128	
0312	4	5629	Mountain whitefish	318	318	SCALES		0	PIT	900026000154603	
0312	4	5630	Mountain whitefish	290	266	SCALES		0	PIT	900026000154970	
0312	4	5631	Mountain whitefish	273	202	SCALES		0	PIT	900026000155099	
0312	4	5632	Mountain whitefish	275	182	SCALES		0	PIT	900026000054069	
0312	4	5633	Mountain whitefish	217	112	SCALES		0			
0312	4	5634	Bull trout	215	98	SCALES/FIN RAY	2	0	PIT	900026000055269	
0312	4	5635	Mountain whitefish	255	190	SCALES		0	PIT	900026000155386	
0312	4	5636	Mountain whitefish	294	242	SCALES		0	PIT	900026000155357	
0312	4	5637	Mountain whitefish	331	308	SCALES		2	PIT	900026000052144	
0312	4	5638	Mountain whitefish	298	250	SCALES		2	PIT	900026000056855	
0312	4	5639	Mountain whitefish	270	210	SCALES		2	PIT	900026000146148	
0312	4	5640	Mountain whitefish	315	304	SCALES		0	PIT	900026000155006	
0312	4	5641	Mountain whitefish	271	216	SCALES		0	PIT	900026000155235	
0312	4	5642	Mountain whitefish	244	152	SCALES		0			
0312	4	5643	Mountain whitefish	182	70	SCALES	1	0			
0312	4	5644	Bull trout	276	210	SCALES/FIN RAY	3	0	PIT	900026000147829	
0312	4	5645	Mountain whitefish	286	258	SCALES		2	PIT	965000000281626	
0312	4	5646	Mountain whitefish	287	270	SCALES		0	PIT	900026000155297	
0312	4	5647	Mountain whitefish	288	262	SCALES		0	PIT	900026000147309	
0312	4	5648	Mountain whitefish	314	296	SCALES		2	PIT	900026000063835	
0312	4	5649	Mountain whitefish	293	292	SCALES		2	PIT	965000000244833	
0312	4	5650	Mountain whitefish	204	94	SCALES	2	0			
0312	4	5651	Mountain whitefish	168	60	SCALES		0			
0312	4	5652	Mountain whitefish	164	44	SCALES		0			
0312	4	5653	Mountain whitefish	294	274	SCALES		2	PIT	900026000055340	
0312	4	5654	Mountain whitefish	290	240	SCALES		0	PIT	900026000155149	
0312	4	5655	Mountain whitefish	308	296	SCALES		2	PIT	900026000065507	
0312	4	5656	Mountain whitefish	292	248	SCALES		2	PIT	965000000068912	
0312	4	5657	Mountain whitefish	288	250	SCALES		0	PIT	900026000147776	
0312	4	5658	Mountain whitefish	283	244	SCALES		0	PIT	900026000155030	
0312	4	5659	Mountain whitefish	320	300	SCALES		0	PIT	900026000147315	
0312	4	5660	Mountain whitefish	311	314	SCALES		0	PIT	900026000147884	
0312	4	5661	Mountain whitefish	286	260	SCALES		0	PIT	900026000154700	
0312	4	5662	Mountain whitefish	290	272	SCALES		0	PIT	900026000052128	
0312	4	5663	Mountain whitefish	275	224	SCALES		0	PIT	900026000052174	
0312	4	5664	Mountain whitefish	343	360	SCALES		0	PIT	900026000155062	
0312	4	5665	Mountain whitefish	325	318	SCALES		2	PIT	900026000060728	
0312	4	5666	Mountain whitefish	273	244	SCALES		2	PIT	965000000114196	
0312	4	5667	Mountain whitefish	308	302	SCALES		2	PIT	965000000010296	
0312	4	5668	Mountain whitefish	245	164	SCALES		0			
0312	4	5669	Mountain whitefish	242	148	SCALES		0			
0312	4	5670	Mountain whitefish	237	152	SCALES	3	0			
0312	4	5671	Mountain whitefish	217	108	SCALES		0			
0312	4	5672	Mountain whitefish	158	44	SCALES		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0312	4	5673	Mountain whitefish	345	356	SCALES		2	PIT	965000000280946
	0312	4	5674	Mountain whitefish	323	312	SCALES		2	PIT	965000000067341
	0312	4	5675	Arctic grayling	230	158	SCALES	1	0		
	0312	4	5676	Mountain whitefish	294	266	SCALES		0	PIT	900026000053730
	0312	4	5677	Mountain whitefish	287	274	SCALES		0	PIT	900026000055464
	0312	4	5678	Mountain whitefish	290	280	SCALES		0	PIT	900026000147061
	0312	4	5679	Mountain whitefish	316	346	SCALES		0	PIT	900026000033519
	0312	4	5680	Mountain whitefish	234	152	SCALES		0		
	0312	4	5681	Bull trout	220	104	SCALES/FIN RAY	2	0	PIT	900026000154867
	0312	4	5682	Mountain whitefish	286	236	SCALES	5	2	PIT	900026000052146
	0312	4	5683	Mountain whitefish	275	244	SCALES		0	PIT	900026000155231
	0312	4	5684	Mountain whitefish	262	176	SCALES		2	PIT	965000000072567
	0312	4	5685	Mountain whitefish	167	52	SCALES		0		
	0312	4	5686	Arctic grayling	172	64	SCALES	1	0		
	0312	4	5687	Mountain whitefish	143	32	SCALES		0		
	0312	4	5688	Mountain whitefish	152	46	SCALES		0		
	0312	4	5689	Mountain whitefish	163	50	SCALES		0		
	0312	4	5690	Mountain whitefish	279	230	SCALES		0	PIT	900026000055836
	0312	4	5691	Mountain whitefish	275	240	SCALES		0	PIT	900026000155100
	0312	4	5692	Mountain whitefish	224	124	SCALES		0		
	0312	4	5693	Mountain whitefish	308	372	SCALES	5	0	PIT	900026000147419
	0312	4	5694	Mountain whitefish	289	248	SCALES		0	PIT	900026000147326
	0312	4	5695	Mountain whitefish	164	50	SCALES		0		
	0312	4	5696	Mountain whitefish	281	274	SCALES		0	PIT	900026000155329
	0312	4	5697	Mountain whitefish	142	30	SCALES		0		
	0312	4	5698	Mountain whitefish	149	36	SCALES		0		
	0312	4	5699	Mountain whitefish	157	44	SCALES		0		
	0312	4	5700	Bull trout	252	176	SCALES/FIN RAY	3	0	PIT	900026000155268
	0312	4	5701	Mountain whitefish	292	246	SCALES		0	PIT	900026000154738
	0312	4	5702	Mountain whitefish	292	238	SCALES		2	PIT	900026000154790
	0312	4	5703	Mountain whitefish	294	270	SCALES		0	PIT	900026000154899
	0312	4	5704	Mountain whitefish	149	40	SCALES		0		
	0312	4	5705	Mountain whitefish	85	6	SCALES		0		
	0302	5	6257	Bull trout	204	94	SCALES/FIN RAY	2	0	PIT	900026000147872
	0302	5	6258	Bull trout	517	1262	FIN RAY	5	0	PIT	900026000056047
	0301	5	6259	Bull trout	741	4720	FIN RAY	9	0	PIT	900026000052195
	0314	5	6260	Bull trout	685	2950	FIN RAY	8	0	PIT	900026000155436
	0305	5	6261	Bull trout	281	212	SCALES/FIN RAY	4	0	PIT	900026000056495
	0305	5	6262	Bull trout	313	266	SCALES/FIN RAY	4	0	PIT	900026000155183
	0305	5	6263	Bull trout	307	288	SCALES/FIN RAY	4	0	PIT	900026000154798
	0306	5	6264	Mountain whitefish	325	378	SCALES/OTOLITH		9		
	0315	5	6265	Bull trout	232	130	SCALES/FIN RAY	2	0	PIT	900026000084011
	0316	5	6266	Arctic grayling	346	532	SCALES	3	0	PIT	900026000155472
	0316	5	6267	Bull trout	286	226	SCALES/FIN RAY	3	0	PIT	900026000147397
	0316	5	6268	Bull trout	299	278	SCALES/FIN RAY	3	0	PIT	900026000155452
	0316	5	6269	Bull trout	244	154	SCALES/FIN RAY	3	0	PIT	900026000053266
	0311	5	6270	Bull trout	785	5970	FIN RAY	10	0	PIT	900026000056890
	0311	5	6271	Bull trout	570	1564	FIN RAY	5	0	PIT	900026000147522
	0309	5	6272	Bull trout	789	4710	FIN RAY	8	0	PIT	900026000147494
	0312	5	6273	Bull trout	271	190	SCALES/FIN RAY	3	0	PIT	900026000055228
	0302	6	6325	Bull trout	211	90	SCALES/FIN RAY	2	0	PIT	900026000147950

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0301	6	6326	Bull trout	414	658	FIN RAY	4	0	PIT	900026000154693	
0301	6	6327	Mountain whitefish	312	378	SCALES/OTOLITH		9			
0305	6	6328	Bull trout	437	940	FIN RAY	5	0	PIT	900026000154602	
0305	6	6329	Bull trout	267	192	SCALES/FIN RAY	2	0	PIT	900026000154675	
0306	6	6330	Bull trout	838	5200	FIN RAY	12	0	PIT	900026000154681	
0306	6	6331	Mountain whitefish	259	198	SCALES/OTOLITH	4	3	PIT	900026000188673	
0306	6	6332	Bull trout	354	386	FIN RAY	3	0	PIT	900026000155469	
0315	6	6333	Mountain whitefish	278	242	SCALES/OTOLITH		9			
0316	6	6334	Bull trout	328	376	FIN RAY	4	0	PIT	900026000147020	
0316	6	6335	Bull trout	589	1952	FIN RAY	6	0	PIT	900026000155282	
0308	6	6336	Bull trout	276	220	SCALES/FIN RAY	3	0	PIT	900026000147436	
0308	6	6337	Bull trout	218	104	SCALES/FIN RAY	2	0	PIT	900026000154571	
0311	6	6338	Bull trout	281	220	SCALES/FIN RAY	3	0	PIT	900026000056574	
0311	6	6339	Bull trout	277	220	SCALES/FIN RAY	3	0	PIT	900026000154667	
0312	6	6340	Bull trout	273	224	SCALES/FIN RAY	3	0	PIT	900026000083755	
0312	6	6341	Bull trout	262	178	SCALES/FIN RAY	4	0	PIT	900026000148697	
0312	6	6342	Bull trout	205	84	SCALES/FIN RAY	2	0	PIT	900026000147317	
0312	6	6343	Bull trout	237	138	SCALES/FIN RAY	3	0	PIT	900026000147753	
0302	1	6398	Longnose sucker	320	436			0			
0302	1	6399	Longnose sucker	373	586			0			
0302	1	6400	Longnose sucker	364	562			0			
0302	1	6401	Longnose sucker	406	846			0			
0302	1	6402	Longnose sucker	314	382			0			
0302	1	6403	Longnose sucker	377	676			0			
0302	1	6404	Longnose sucker	351	582			0			
0302	1	6405	Longnose sucker	275	242			0			
0302	1	6406	Longnose sucker	342	504			0			
0302	1	6407	Longnose sucker	408	762			0			
0302	1	6408	Longnose sucker	314	366			0			
0302	1	6409	Longnose sucker	418	872			0			
0302	1	6410	Longnose sucker	296	326			0			
0302	1	6411	Longnose sucker	368	632			0			
0302	1	6412	Longnose sucker	385	658			0			
0302	1	6413	Longnose sucker	268	222			0			
0302	1	6414	Longnose sucker	336	428			0			
0302	1	6415	Longnose sucker	267	208			0			
0302	1	6416	Longnose sucker	212	116			0			
0302	1	6417	Longnose sucker	232	144			0			
0301	1	6418	Largescale sucker	556	1918			0			
0301	1	6419	Longnose sucker	444	998			0			
0301	1	6420	Longnose sucker	291	280			0			
0301	1	6421	White sucker	370	596			0			
0301	1	6422	Longnose sucker	448	1068			0			
0301	1	6423	Longnose sucker	381	736			0			
0301	1	6424	Longnose sucker	404	872			0			
0301	1	6425	Longnose sucker	383	664			0			
0301	1	6426	Longnose sucker	377	700			0			
0301	1	6427	Longnose sucker	354	586			0			
0301	1	6428	Longnose sucker	368	658			0			
0301	1	6429	Largescale sucker	458	1260			0			
0301	1	6430	Walleye	511	1350			0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0301	1	6431	Longnose sucker	397	784		0			
	0301	1	6432	Longnose sucker	397	770		0			
	0301	1	6433	Longnose sucker	377	716		0			
	0301	1	6434	Longnose sucker	404	858		0			
	0301	1	6435	Northern pikeminnow	323	406		0			
	0301	1	6436	Longnose sucker	300	330		0			
	0301	1	6437	Kokanee	221	104		0			
	0303	1	6438	Longnose sucker	369	674		0			
	0303	1	6439	Longnose sucker	419	800		0			
	0303	1	6440	Longnose sucker	392	666		0			
	0303	1	6441	Longnose sucker	382	710		0			
	0303	1	6442	Longnose sucker	350	546		0			
	0303	1	6443	Longnose sucker	409	828		0			
	0303	1	6444	Longnose sucker	378	644		0			
	0303	1	6445	Longnose sucker	369	612		0			
	0303	1	6446	Longnose sucker	216	120		0			
	0303	1	6447	Longnose sucker	184	70		0			
	0303	1	6448	Longnose sucker	386	736		0			
	0303	1	6449	Longnose sucker	375	678		0			
	0303	1	6450	Longnose sucker	387	750		0			
	0303	1	6451	Longnose sucker	403	774		0			
	0303	1	6452	Longnose sucker	375	634		0			
	0303	1	6453	Longnose sucker	393	700		0			
	0303	1	6454	Longnose sucker	360	626		0			
	0303	1	6455	Longnose sucker	372	608		0			
	0303	1	6456	Longnose sucker	173	62		0			
	0303	1	6457	Longnose sucker	416	872		0			
	0303	1	6458	Longnose sucker	283	298		0			
	0303	1	6459	Longnose sucker	236	162		0			
	0303	1	6460	Longnose sucker	202	102		0			
	0304	1	6461	Longnose sucker	430	958		0			
	0304	1	6462	Longnose sucker	384	806		0			
	0304	1	6463	Largescale sucker	450	980		0			
	0304	1	6464	Longnose sucker	393	724		0			
	0305	1	6465	Largescale sucker	470	1168		0			
	0305	1	6466	Longnose sucker	393	728		0			
	0305	1	6467	Largescale sucker	341	504		0			
	0305	1	6468	Longnose sucker	298	340		0			
	0305	1	6469	Largescale sucker	524	1660		0			
	0305	1	6470	Largescale sucker	333	438		0			
	0305	1	6471	Longnose sucker	338	524		0			
	0305	1	6472	Longnose sucker	360	618		0			
	0305	1	6473	Longnose sucker	298	302		0			
	0305	1	6474	Largescale sucker	432	1010		0			
	0305	1	6475	Longnose sucker	388	728		0			
	0305	1	6476	Longnose sucker	319	444		0			
	0305	1	6477	Longnose sucker	402	868		0			
	0305	1	6478	Longnose sucker	347	500		0			
	0305	1	6479	Longnose sucker	358	556		0			
	0305	1	6480	Longnose sucker	361	586		0			
	0305	1	6481	Longnose sucker	365	646		0			

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Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0305	1	6482	White sucker	392	780		0			
	0305	1	6483	Longnose sucker	389	752		0			
	0305	1	6484	Longnose sucker	378	694		0			
	0305	1	6485	Longnose sucker	321	432		0			
	0305	1	6486	Longnose sucker	352	518		0			
	0305	1	6487	Largescale sucker	389	806		0			
	0305	1	6488	Longnose sucker	367	602		0			
	0305	1	6489	White sucker	417	778		0			
	0305	1	6490	Longnose sucker	227	150		0			
	0305	1	6491	Largescale sucker	183	84		0			
	0305	1	6492	Longnose sucker	187	70		0			
	0305	1	6493	Longnose sucker	274	264		0			
	0305	1	6494	Longnose sucker	278	264		0			
	0305	1	6495	Longnose sucker	252	202		0			
	0305	1	6496	Largescale sucker	194	102		0			
	0305	1	6497	Longnose sucker	208	132		0			
	0305	1	6498	Largescale sucker	139	36		0			
	0306	1	6499	Longnose sucker	379	708		0			
	0306	1	6500	Northern pikeminnow	480	1490		0			
	0306	1	6501	Largescale sucker	453	1238		0			
	0306	1	6502	Longnose sucker	412	796		0			
	0306	1	6503	Longnose sucker	314	372		0			
	0306	1	6504	Longnose sucker	386	700		0			
	0306	1	6505	Longnose sucker	402	854		0			
	0306	1	6506	Longnose sucker	282	290		0			
	0306	1	6507	Longnose sucker	376	666		0			
	0306	1	6508	Longnose sucker	373	606		0			
	0306	1	6509	Longnose sucker	263	214		0			
	0306	1	6510	Longnose sucker	347	498		0			
	0306	1	6511	Longnose sucker	342	554		0			
	0306	1	6512	Walleye	490	1286		0			
	0306	1	6513	Longnose sucker	325	428		0			
	0306	1	6514	Longnose sucker	329	420		0			
	0306	1	6515	Longnose sucker	428	1046		0			
	0306	1	6516	Longnose sucker	360	568		0			
	0306	1	6517	Longnose sucker	393	758		0			
	0306	1	6518	Northern pikeminnow	260	206		0			
	0306	1	6519	Longnose sucker	268	228		0			
	0306	1	6520	Longnose sucker	327	382		0			
	0306	1	6521	Northern pikeminnow	270	210		0			
	0306	1	6522	Longnose sucker	243	176		0			
	0306	1	6523	Largescale sucker	225	136		0			
	0314	1	6524	Northern pikeminnow	413	766		0			
	0314	1	6525	Longnose sucker	368	680		0			
	0314	1	6526	Largescale sucker	481	1624		0			
	0314	1	6527	Longnose sucker	407	824		0			
	0314	1	6528	Longnose sucker	372	588		0			
	0314	1	6529	Longnose sucker	422	844		0			
	0314	1	6530	Longnose sucker	385	794		0			
	0314	1	6531	Longnose sucker	441	736		0			
	0314	1	6532	Longnose sucker	374	632		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0314	1	6533	Longnose sucker	447	838		0			
	0314	1	6534	Longnose sucker	373	508		0			
	0314	1	6535	Longnose sucker	396	746		0			
	0314	1	6536	Longnose sucker	413	858		0			
	0314	1	6537	Longnose sucker	370	562		0			
	0314	1	6538	Longnose sucker	418	1008		0			
	0314	1	6539	Longnose sucker	387	798		0			
	0315	1	6540	White sucker	312	230		0			
	0315	1	6541	Longnose sucker	393	784		0			
	0315	1	6542	Longnose sucker	399	848		0			
	0315	1	6543	Longnose sucker	365	624		0			
	0315	1	6544	Longnose sucker	414	920		0			
	0315	1	6545	Longnose sucker	396	678		0			
	0315	1	6546	Longnose sucker	311	358		0			
	0315	1	6547	Longnose sucker	407	742		0			
	0315	1	6548	Longnose sucker	381	660		0			
	0315	1	6549	Longnose sucker	364	634		0			
	0315	1	6550	Longnose sucker	410	828		0			
	0315	1	6551	Longnose sucker	412	856		0			
	0315	1	6552	Longnose sucker	393	700		0			
	0315	1	6553	Walleye	459	1088		0			
	0315	1	6554	Longnose sucker	390	784		0			
	0315	1	6555	Longnose sucker	230	162		0			
	0307	1	6556	Longnose sucker	420	894		0			
	0307	1	6557	Longnose sucker	373	708		0			
	0307	1	6558	Longnose sucker	389	714		0			
	0307	1	6559	Longnose sucker	374	702		0			
	0307	1	6560	Longnose sucker	393	708		0			
	0307	1	6561	Longnose sucker	409	852		0			
	0307	1	6562	Longnose sucker	317	364		0			
	0307	1	6563	Longnose sucker	442	1024		0			
	0307	1	6564	Longnose sucker	362	566		0			
	0307	1	6565	Longnose sucker	374	706		0			
	0307	1	6566	Longnose sucker	417	898		0			
	0307	1	6567	Longnose sucker	393	778		0			
	0307	1	6568	Largescale sucker	241	182		0			
	0308	1	6569	Longnose sucker	389	796		0			
	0308	1	6570	Longnose sucker	366	576		0			
	0308	1	6571	Longnose sucker	338	472		0			
	0308	1	6572	Longnose sucker	363	512		0			
	0308	1	6573	Longnose sucker	364	612		0			
	0308	1	6574	Longnose sucker	342	548		0			
	0308	1	6575	Longnose sucker	386	748		0			
	0308	1	6576	Longnose sucker	359	614		0			
	0316	1	6577	Longnose sucker	424	1022		0			
	0316	1	6578	Longnose sucker	385	832		0			
	0316	1	6579	Longnose sucker	417	882		0			
	0316	1	6580	Longnose sucker	403	854		0			
	0316	1	6581	Longnose sucker	440			0			
	0316	1	6582	Longnose sucker	358	602		0			
	0316	1	6583	Longnose sucker	411	852		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0316	1	6584	Longnose sucker	384	716		0			
	0316	1	6585	Longnose sucker	396	790		0			
	0316	1	6586	Longnose sucker	376	652		0			
	0311	1	6587	Longnose sucker	425	912		0			
	0311	1	6588	Longnose sucker	428	872		0			
	0311	1	6589	Walleye	467	1050		0			
	0311	1	6590	Longnose sucker	486	1220		0			
	0311	1	6591	Longnose sucker	398	746		0			
	0311	1	6592	Longnose sucker	406	812		0			
	0311	1	6593	Longnose sucker	358	624		0			
	0311	1	6594	Longnose sucker	401	762		0			
	0311	1	6595	Largescale sucker	218	142		0			
	0311	1	6596	Northern pikeminnow	227	150		0			
	0311	1	6597	Northern pikeminnow	202	88		0			
	0311	1	6598	Northern pikeminnow	223	138		0			
	0311	1	6599	Longnose sucker	168	64		0			
	0311	1	6600	Longnose sucker	357	548		0			
	0311	1	6601	Largescale sucker	183	76		0			
	0311	1	6602	Longnose sucker	197	98		0			
	0311	1	6603	Longnose sucker	290	342		0			
	0311	1	6604	Longnose sucker	295	338		0			
	0311	1	6605	Longnose sucker	257	196		0			
	0311	1	6606	Longnose sucker	236	162		0			
	0309	1	6607	Longnose sucker	392	746		0			
	0309	1	6608	Longnose sucker	426	982		0			
	0310	1	6609	White sucker	351	550		0			
	0312	1	6610	Lake trout	671	3050		0			
	0312	1	6611	Longnose sucker	417	838		0			
	0312	1	6612	Longnose sucker	374	590		0			
	0312	1	6613	Longnose sucker	364	576		0			
	0312	1	6614	Northern pikeminnow	312	348		0			
	0312	1	6615	Longnose sucker	378	668		0			
	0312	1	6616	Longnose sucker	263	220		0			
	0312	1	6617	Longnose sucker	395	834		0			
	0312	1	6618	Longnose sucker	388	728		0			
	0312	1	6619	Longnose sucker	262	236		0			
	0312	1	6620	Longnose sucker	399	778		0			
	0312	1	6621	Longnose sucker	345	478		0			
	0312	1	6622	Longnose sucker	290	322		0			
	0312	1	6623	Longnose sucker	194	98		0			
	0312	1	6624	Largescale sucker	203	104		0			
	0312	1	6625	Longnose sucker	253	200		0			
	0312	1	6626	Largescale sucker	219	132		0			
	0312	1	6627	Longnose sucker	182	80		0			
	0312	1	6628	Longnose sucker	211	128		0			
	0312	1	6629	Longnose sucker	190	98		0			
	0312	1	6630	Largescale sucker	186	84		0			
	0312	1	6631	Longnose sucker	161	56		0			
	0302	2	6805	Largescale sucker	192	96		0			
	0302	2	6806	Longnose sucker	377	650		0			
	0301	2	6807	Longnose sucker	402	786		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0301	2	6808	Longnose sucker	408	864			0			
0301	2	6809	Longnose sucker	412	930			0			
0303	2	6810	Longnose sucker	389	712			0			
0303	2	6811	Longnose sucker	396	744			0			
0303	2	6812	Longnose sucker	412	824			2	PIT	965000000279814	
0303	2	6813	Longnose sucker	382	674			0			
0303	2	6814	Longnose sucker	405	520			0			
0303	2	6815	Longnose sucker	383	712			0			
0303	2	6816	Longnose sucker	420	956			0			
0303	2	6817	Longnose sucker	342	516			0			
0303	2	6818	Longnose sucker	401	886			0			
0303	2	6819	Longnose sucker	384	780			0			
0303	2	6820	Longnose sucker	383	644			2	PIT	965000000279699	
0304	2	6821	Longnose sucker	411	874			0			
0304	2	6822	Largescale sucker	464	1236			0			
0304	2	6823	Longnose sucker	367	606			0			
0305	2	6824	Longnose sucker	374	704			0			
0305	2	6825	Longnose sucker	399	848			0			
0305	2	6826	Longnose sucker	352	604			0			
0305	2	6827	Longnose sucker	424	902			0			
0305	2	6828	Longnose sucker	370	640			0			
0305	2	6829	Longnose sucker	363	618			0			
0305	2	6830	Longnose sucker	379	634			0			
0305	2	6831	Longnose sucker	425	958			0			
0305	2	6832	Longnose sucker	392	794			0			
0305	2	6833	Longnose sucker	263	224			0			
0305	2	6834	Longnose sucker	353	528			0			
0305	2	6835	Longnose sucker	383	756			0			
0305	2	6836	Longnose sucker	372	682			0			
0305	2	6837	Longnose sucker	286	292			0			
0305	2	6838	Largescale sucker	208	122			0			
0305	2	6839	Largescale sucker	466	1328			0			
0305	2	6840	Longnose sucker	267	250			0			
0305	2	6841	Largescale sucker	195	100			0			
0305	2	6842	Longnose sucker	322	374			0			
0305	2	6843	Longnose sucker	206	104			0			
0305	2	6844	Longnose sucker	188	78			0			
0305	2	6845	Largescale sucker	219	138			0			
0305	2	6846	Longnose sucker	293	350			0			
0305	2	6847	Longnose sucker	300	354			0			
0305	2	6848	Longnose sucker	230	142			0			
0305	2	6849	Longnose sucker	294	318			0			
0305	2	6850	Northern pikeminnow	290	290			0			
0305	2	6851	Longnose sucker	245	176			0			
0305	2	6852	Northern pikeminnow	221	118			0			
0305	2	6853	Longnose sucker	209	114			0			
0305	2	6854	Largescale sucker	205	92			0			
0305	2	6855	Longnose sucker	200	80			0			
0305	2	6856	Largescale sucker	211	124			0			
0305	2	6857	Largescale sucker	210	104			0			
0305	2	6858	Longnose sucker	160	44			0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0305	2	6859	Largescale sucker	187	90		0			
	0305	2	6860	Northern pikeminnow	158	46		0			
	0305	2	6861	Largescale sucker	166	60		0			
	0305	2	6862	Largescale sucker	215	120		0			
	0305	2	6863	Longnose sucker	157	44		0			
	0305	2	6864	Longnose sucker	188	90		0			
	0305	2	6865	Largescale sucker	171	60		0			
	0305	2	6866	Longnose sucker	144	32		0			
	0306	2	6867	Longnose sucker	403	826		0			
	0306	2	6868	Longnose sucker	373	710		0			
	0306	2	6869	Longnose sucker	438	1044		0			
	0306	2	6870	Longnose sucker	383	710		0			
	0306	2	6871	Longnose sucker	354	596		0			
	0306	2	6872	Longnose sucker	398	824		0			
	0306	2	6873	Longnose sucker	332	486		0			
	0306	2	6874	Longnose sucker	283	284		0			
	0306	2	6875	Longnose sucker	222	158		0			
	0306	2	6876	Longnose sucker	427	900		0			
	0306	2	6877	Northern pikeminnow	491	1460		0			
	0306	2	6878	Longnose sucker	248	190		0			
	0306	2	6879	Longnose sucker	400	808		0			
	0306	2	6880	Longnose sucker	345	538		0			
	0306	2	6881	Longnose sucker	373	696		0			
	0306	2	6882	Largescale sucker	342	532		0			
	0306	2	6883	Longnose sucker	383	698		0			
	0306	2	6884	Longnose sucker	396	800		0			
	0306	2	6885	Longnose sucker	276	260		0			
	0306	2	6886	Longnose sucker	439	1010		0			
	0306	2	6887	Longnose sucker	246	200		0			
	0306	2	6888	Longnose sucker	279	274		0			
	0306	2	6889	Longnose sucker	352	530		0			
	0306	2	6890	Longnose sucker	278	288		0			
	0306	2	6891	Northern pikeminnow	262	212		0			
	0306	2	6892	Longnose sucker	184	84		0			
	0306	2	6893	Longnose sucker	231	160		0			
	0306	2	6894	Longnose sucker	221	142		0			
	0306	2	6895	Longnose sucker	172	60		0			
	0314	2	6896	Longnose sucker	405	712		0			
	0314	2	6897	Longnose sucker	386	728		0			
	0315	2	6898	Largescale sucker	494	1688		0			
	0315	2	6899	Longnose sucker	438	1108		0			
	0315	2	6900	Longnose sucker	409	770		0			
	0315	2	6901	Longnose sucker	402	794		0			
	0315	2	6902	Longnose sucker	373	662		0			
	0315	2	6903	Longnose sucker	404	760		0			
	0315	2	6904	Largescale sucker	486	1466		0			
	0315	2	6905	Longnose sucker	382	652		0			
	0315	2	6906	Longnose sucker	379	794		0			
	0315	2	6907	Longnose sucker	361	610		0			
	0315	2	6908	Longnose sucker	332	464		0			
	0315	2	6909	Largescale sucker	198	94		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0307	2	6910	Longnose sucker	374	632		0			
	0307	2	6911	Longnose sucker	404	742		0			
	0307	2	6912	Longnose sucker	417	832		0			
	0308	2	6913	Longnose sucker	354	610		0			
	0308	2	6914	Longnose sucker	377	684		0			
	0308	2	6915	Longnose sucker	417	880		0			
	0308	2	6916	Longnose sucker	388	746		0			
	0308	2	6917	Longnose sucker	430	944		0			
	0308	2	6918	Longnose sucker	395	670		2	PIT	965000000091964	
	0316	2	6919	Longnose sucker	369	644		0			
	0316	2	6920	Longnose sucker	388	628		0			
	0316	2	6921	Longnose sucker	384	740		0			
	0311	2	6922	Largescale sucker	366	610		0			
	0311	2	6923	Longnose sucker	385	708		0			
	0311	2	6924	Largescale sucker	410	760		0			
	0311	2	6925	Largescale sucker	338	480		0			
	0311	2	6926	Longnose sucker	193	96		0			
	0311	2	6927	Longnose sucker	225	144		0			
	0311	2	6928	Longnose sucker	189	88		0			
	0311	2	6929	Longnose sucker	397	794		0			
	0311	2	6930	Largescale sucker	191	86		0			
	0311	2	6931	Longnose sucker	381	688		0			
	0311	2	6932	Largescale sucker	180	80		0			
	0311	2	6933	Longnose sucker	372	752		0			
	0311	2	6934	Longnose sucker	417	990		0			
	0311	2	6935	Longnose sucker	203	102		0			
	0311	2	6936	Northern pikeminnow	339	442		0			
	0311	2	6937	Longnose sucker	264	230		0			
	0312	2	6938	Walleye	443	1026		0			
	0312	2	6939	White sucker	418	1028		0			
	0312	2	6940	Longnose sucker	290	324		0			
	0312	2	6941	Longnose sucker	397	730		0			
	0312	2	6942	Longnose sucker	417	946		0			
	0312	2	6943	Longnose sucker	358	576		0			
	0312	2	6944	Longnose sucker	231	162		0			
	0312	2	6945	Longnose sucker	305	366		0			
	0312	2	6946	Longnose sucker	404	920		0			
	0312	2	6947	Longnose sucker	321	364		0			
	0312	2	6948	Longnose sucker	391	712		0			
	0312	2	6949	Longnose sucker	383	682		2	PIT	965000000278393	
	0312	2	6950	Longnose sucker	378	660		0			
	0312	2	6951	Longnose sucker	293	308		0			
	0312	2	6952	Longnose sucker	393	800		0			
	0312	2	6953	Longnose sucker	337	502		0			
	0312	2	6954	Longnose sucker	378	706		0			
	0312	2	6955	Longnose sucker	409	876		0			
	0312	2	6956	Longnose sucker	211	112		0			
	0312	2	6957	Longnose sucker	383	738		0			
	0312	2	6958	Largescale sucker	192	92		0			
	0312	2	6959	Largescale sucker	223	142		0			
	0312	2	6960	Longnose sucker	288	308		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0312	2	6961	Longnose sucker	259	208		0			
	0312	2	6962	Largescale sucker	165	56		0			
	0312	2	6963	Largescale sucker	176	64		0			
	0312	2	6964	Longnose sucker	167	68		0			
	0312	2	6965	Longnose sucker	214	120		0			
	0312	2	6966	Largescale sucker	177	78		0			
	0312	2	6967	Largescale sucker	186	90		0			
	0312	2	6968	Longnose sucker	213	120		0			
	0302	3	7140	Longnose sucker	365	580		0			
	0302	3	7141	Longnose sucker	396	720		0			
	0302	3	7142	Longnose sucker	389	706		0			
	0302	3	7143	White sucker	417	986		0			
	0302	3	7144	Longnose sucker	386	798		0			
	0302	3	7145	Longnose sucker	346	430		0			
	0302	3	7146	White sucker	381	750		0			
	0302	3	7147	Longnose sucker	373	618		0			
	0302	3	7148	Longnose sucker	388	740		0			
	0301	3	7149	Longnose sucker	373	682		0			
	0303	3	7150	Longnose sucker	369	738		2	PIT	965000000278916	
	0303	3	7151	Longnose sucker	380	660		0			
	0303	3	7152	Longnose sucker	416	956		0			
	0303	3	7153	Longnose sucker	385	800		0			
	0303	3	7154	Longnose sucker	392	722		2	PIT	900026000035440	
	0303	3	7155	Longnose sucker	409	850		0			
	0303	3	7156	Longnose sucker	363	618		0			
	0303	3	7157	Largescale sucker	433	940		0			
	0303	3	7158	Longnose sucker	393	732		0			
	0303	3	7159	Longnose sucker	434	952		0			
	0304	3	7160	Longnose sucker	367	648		0			
	0304	3	7161	Longnose sucker	479	1180		0			
	0304	3	7162	Longnose sucker	442	936		0			
	0304	3	7163	Longnose sucker	440	1110		0			
	0304	3	7164	Longnose sucker	396	764		0			
	0304	3	7165	Longnose sucker	420	970		0			
	0304	3	7166	Longnose sucker	414	890		0			
	0304	3	7167	Longnose sucker	395	734		0			
	0305	3	7168	Longnose sucker	438	1048		0			
	0305	3	7169	Largescale sucker	437	1060		0			
	0305	3	7170	White sucker	433	1056		0			
	0305	3	7171	Longnose sucker	313	400		0			
	0305	3	7172	White sucker	402	938		0			
	0305	3	7173	Largescale sucker	245	196		0			
	0305	3	7174	Northern pikeminnow	268	222		0			
	0305	3	7175	Longnose sucker	264	244		0			
	0305	3	7176	Longnose sucker	259	186		0			
	0305	3	7177	Largescale sucker	183	74		1			
	0305	3	7178	Longnose sucker	203	110		0			
	0305	3	7179	Largescale sucker	279	296		0			
	0305	3	7180	Longnose sucker	242	162		0			
	0305	3	7181	Largescale sucker	250	210		0			
	0305	3	7182	Northern pikeminnow	306	362		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0305	3	7183	Largescale sucker	189	90		0			
	0305	3	7184	Largescale sucker	173	74		0			
	0305	3	7185	Largescale sucker	198	104		0			
	0305	3	7186	Longnose sucker	238	180		0			
	0305	3	7187	Longnose sucker	219	124		0			
	0305	3	7188	Largescale sucker	187	92		0			
	0305	3	7189	Kokanee	150	42		0			
	0305	3	7190	Largescale sucker	144	38		0			
	0314	3	7191	Northern pikeminnow	356	586		0			
	0314	3	7192	Longnose sucker	322	484		0			
	0314	3	7193	Longnose sucker	407	918		0			
	0306	3	7194	Northern pikeminnow	571	2240		0			
	0306	3	7195	Longnose sucker	397	828		0			
	0306	3	7196	Longnose sucker	376	672		0			
	0306	3	7197	Longnose sucker	375	746		0			
	0306	3	7198	Longnose sucker	404	838		0			
	0306	3	7199	Longnose sucker	408	848		0			
	0306	3	7200	Longnose sucker	378	714		0			
	0306	3	7201	Longnose sucker	376	722		0			
	0306	3	7202	Longnose sucker	431	1054		0			
	0306	3	7203	Longnose sucker	404	822		0			
	0306	3	7204	Longnose sucker	288	358		0			
	0306	3	7205	Northern pikeminnow	248	172		0			
	0306	3	7206	Longnose sucker	232	160		0			
	0306	3	7207	Northern pikeminnow	273	212		0			
	0315	3	7208	Longnose sucker	439	1078		0			
	0315	3	7209	Northern pikeminnow	559	1354		0			
	0315	3	7210	Longnose sucker	432	1024		0			
	0315	3	7211	Longnose sucker	384	716		0			
	0315	3	7212	Longnose sucker	356	540		0			
	0315	3	7213	Longnose sucker	316	420		0			
	0315	3	7214	Longnose sucker	414	754		0			
	0315	3	7215	Longnose sucker	410	960		0			
	0315	3	7216	Longnose sucker	412	798		0			
	0307	3	7217	Largescale sucker	517	1776		0			
	0307	3	7218	Longnose sucker	364	524		0			
	0316	3	7219	Longnose sucker	433	888		0			
	0316	3	7220	Longnose sucker	394	708		0			
	0316	3	7221	Longnose sucker	403	820		0			
	0311	3	7222	Largescale sucker	512			0			
	0311	3	7223	Longnose sucker	450			0			
	0311	3	7224	Longnose sucker	421	912		0			
	0311	3	7225	Longnose sucker	399	980		0			
	0311	3	7226	Northern pikeminnow	424	850		0			
	0311	3	7227	Longnose sucker	394	740		0			
	0311	3	7228	Largescale sucker	460	1190		0			
	0311	3	7229	Longnose sucker	311	372		0			
	0311	3	7230	Longnose sucker	364	636		0			
	0311	3	7231	Longnose sucker	409	926		0			
	0311	3	7232	Longnose sucker	226	136		0			
	0311	3	7233	Longnose sucker	410	878		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0311	3	7234	Longnose sucker	420	912		0			
	0311	3	7235	Longnose sucker	276	252		0			
	0311	3	7236	Longnose sucker	395	820		0			
	0311	3	7237	Longnose sucker	399	760		0			
	0311	3	7238	Longnose sucker	382	680		0			
	0311	3	7239	Longnose sucker	356	600		0			
	0311	3	7240	Longnose sucker	354	586		0			
	0311	3	7241	Northern pikeminnow	205	90		0			
	0312	3	7242	Longnose sucker	416	936		0			
	0312	3	7243	Longnose sucker	460	1194		2	PIT	965000000279303	
	0312	3	7244	Longnose sucker	396	775		0			
	0312	3	7245	Longnose sucker	427	978		0			
	0312	3	7246	Longnose sucker	400	882		0			
	0312	3	7247	Longnose sucker	227	134		0			
	0302	4	7354	Longnose sucker	386	780		0			
	0302	4	7355	Walleye	428	936		0			
	0302	4	7356	Largescale sucker	530	1976		0			
	0302	4	7357	Longnose sucker	375	662		0			
	0302	4	7358	Longnose sucker	355	562		0			
	0302	4	7359	Longnose sucker	222	128		0			
	0301	4	7360	Longnose sucker	365	690		0			
	0301	4	7361	Longnose sucker	412	954		0			
	0301	4	7362	Longnose sucker	411	838		0			
	0303	4	7363	Longnose sucker	408	828		0			
	0303	4	7364	Longnose sucker	391	744		0			
	0303	4	7365	Longnose sucker	357	552		0			
	0303	4	7366	Longnose sucker	380	766		0			
	0304	4	7367	Longnose sucker	373			0			
	0305	4	7368	Longnose sucker	299	366		0			
	0305	4	7369	Longnose sucker	314	420		0			
	0305	4	7370	Largescale sucker	196	98		1			
	0305	4	7371	Longnose sucker	386	776		0			
	0305	4	7372	Northern pikeminnow	242	170		0			
	0305	4	7373	Longnose sucker	247	186		0			
	0305	4	7374	Longnose sucker	178	66		0			
	0305	4	7375	Longnose sucker	283	286		0			
	0305	4	7376	Northern pikeminnow	272	218		0			
	0305	4	7377	Longnose sucker	227	160		0			
	0305	4	7378	Largescale sucker	179	80		0			
	0305	4	7379	Largescale sucker	208	112		0			
	0305	4	7380	Largescale sucker	224	160		0			
	0305	4	7381	Largescale sucker	208	128		0			
	0305	4	7382	Largescale sucker	208	128		0			
	0305	4	7383	Longnose sucker	218	142		0			
	0305	4	7384	Largescale sucker	134	34		0			
	0305	4	7385	Longnose sucker	394	728		0			
	0305	4	7386	Longnose sucker	337	504		0			
	0305	4	7387	Longnose sucker	239	172		0			
	0305	4	7388	Largescale sucker	229	142		0			
	0305	4	7389	Longnose sucker	148	36		0			
	0305	4	7390	Largescale sucker	401	934		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
0305	4	7391	Northern pikeminnow	278	252			0			
0305	4	7392	Longnose sucker	243	170			0			
0305	4	7393	Longnose sucker	217	140			0			
0305	4	7394	Largescale sucker	133	34			0			
0305	4	7395	Longnose sucker	317	450			0			
0306	4	7396	Largescale sucker	474	1336			0			
0306	4	7397	Longnose sucker	364	564			0			
0306	4	7398	Longnose sucker	301	340			0			
0306	4	7399	Longnose sucker	386	758			0			
0306	4	7400	Longnose sucker	407	784			0			
0306	4	7401	Longnose sucker	374	712			0			
0306	4	7402	Longnose sucker	313	422			0			
0306	4	7403	Largescale sucker	387	786			0			
0306	4	7404	Longnose sucker	290	300			0			
0306	4	7405	Longnose sucker	342	590			0			
0306	4	7406	Longnose sucker	434	990			0			
0306	4	7407	Longnose sucker	312	380			0			
0306	4	7408	Longnose sucker	242	172			0			
0306	4	7409	Longnose sucker	283	278			0			
0306	4	7410	Largescale sucker	321	408			0			
0306	4	7411	Longnose sucker	288	292			0			
0306	4	7412	Largescale sucker	192	88			0			
0306	4	7413	Largescale sucker	197	96			0			
0314	4	7414	Longnose sucker	400	820			0			
0314	4	7415	Longnose sucker	427	944			0			
0314	4	7416	Lake trout	555	1642			2	PIT	900026000055475	
0315	4	7417	Longnose sucker	412	824			0			
0315	4	7418	Longnose sucker	383	688			0			
0315	4	7419	Longnose sucker	370	666			0			
0315	4	7420	Longnose sucker	387	732			0			
0315	4	7421	Longnose sucker	408	882			0			
0315	4	7422	Kokanee	120	16			0			
0308	4	7423	Longnose sucker	393	714			0			
0311	4	7424	Longnose sucker	155	54			0			
0311	4	7425	Longnose sucker	193	98			0			
0311	4	7426	Largescale sucker	184	88			0			
0310	4	7427	Longnose sucker	147	42			0			
0312	4	7428	Longnose sucker	396				0			
0312	4	7429	Northern pikeminnow	195	84			0			
0312	4	7430	Longnose sucker	380	674			0			
0302	5	7850	Mountain whitefish	323				2	PIT	965000000246733	
0302	5	7851	Mountain whitefish	312				2	PIT	965000000244432	
0302	5	7852	Mountain whitefish	332				2	PIT	965000000238595	
0302	5	7853	Mountain whitefish	409				2	PIT	965000000008320	
0302	5	7854	Mountain whitefish	297				2	PIT	965000000238876	
0302	5	7855	Mountain whitefish	304				2	PIT	965000000244104	
0302	5	7856	Mountain whitefish	305				2	PIT	965000000282530	
0302	5	7857	Mountain whitefish	346				2	PIT	965000000245207	
0302	5	7858	Mountain whitefish	260				2	PIT	900026000084078	
0302	5	7859	Mountain whitefish	297				2	PIT	900026000054325	
0302	5	7860	Mountain whitefish	277				2	PIT	900026000062082	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0302	5	7861	Mountain whitefish	324			2	PIT	900026000146216	
	0301	5	7862	Mountain whitefish	326			2	PIT	0A00726511	
	0301	5	7863	Mountain whitefish	274			2	PIT	900026000148377	
	0301	5	7864	Mountain whitefish	281			2	PIT	900026000147335	
	0301	5	7865	Mountain whitefish	298			2	PIT	965000000111610	
	0301	5	7866	Mountain whitefish	282			2	PIT	900026000053988	
	0301	5	7867	Mountain whitefish	281			2	PIT	900026000053820	
	0301	5	7868	Mountain whitefish	260			2	PIT	900026000065497	
	0301	5	7869	Mountain whitefish	277			2	PIT	965000000281322	
	0301	5	7870	Mountain whitefish	268			2	PIT	900026000154974	
	0301	5	7871	Mountain whitefish	331			2	PIT	965000000238533	
	0301	5	7872	Mountain whitefish	317			2	PIT	4D00034704	
	0301	5	7873	Mountain whitefish	267			2	PIT	900026000054594	
	0301	5	7874	Mountain whitefish	271			2	PIT	965000000083665	
	0301	5	7875	Mountain whitefish	279			2	PIT	900026000146041	
	0301	5	7876	Mountain whitefish	289			2	PIT	965000000247023	
	0301	5	7877	Mountain whitefish	283			2	PIT	900026000148058	
	0301	5	7878	Mountain whitefish	271			2	PIT	900026000055141	
	0301	5	7879	Mountain whitefish	263			2	PIT	900026000083933	
	0301	5	7880	Rainbow trout	163			0			
	0303	5	7881	Mountain whitefish	323			2	PIT	0A00710379	
	0303	5	7882	Mountain whitefish	307			2	PIT	900026000061579	
	0303	5	7883	Mountain whitefish	273			2	PIT	965000000071788	
	0303	5	7884	Mountain whitefish	368			2	FLOY	5958 YELLOW	
	0303	5	7885	Mountain whitefish	274			2	PIT	900026000054121	
	0303	5	7886	Mountain whitefish	374			2	PIT	900026000060747	
	0303	5	7887	Mountain whitefish	294			2	PIT	900026000147543	
	0303	5	7888	Mountain whitefish	378			2	PIT	965000000281267	
	0303	5	7889	Mountain whitefish	304			2	PIT	900026000083249	
	0303	5	7890	Mountain whitefish	308			2	PIT	965000000246219	
	0303	5	7891	Mountain whitefish	292			2	PIT	900026000054917	
	0303	5	7892	Mountain whitefish	270			2	PIT	900026000146159	
	0303	5	7893	Mountain whitefish	321			2	PIT	900026000055961	
	0303	5	7894	Bull trout	364			2	PIT	900026000147754	
	0304	5	7895	Mountain whitefish	481			2	PIT	900026000035397	
	0304	5	7896	Mountain whitefish	338			2	PIT	900026000060889	
	0304	5	7897	Mountain whitefish	280			2	PIT	900026000148039	
	0304	5	7898	Mountain whitefish	290			2	PIT	900026000065236	
	0304	5	7899	Mountain whitefish	306			2	PIT	900026000055785	
	0304	5	7900	Mountain whitefish	376			2	PIT	0A00726017	
	0304	5	7901	Mountain whitefish	299			2	PIT	965000000073023	
	0305	5	7902	Mountain whitefish	446			2	PIT	900026000054626	
	0305	5	7903	Mountain whitefish	392			2	PIT	900026000083470	
	0305	5	7904	Mountain whitefish	355			2	PIT	900026000148059	
	0305	5	7905	Mountain whitefish	279			2	PIT	900026000083611	
	0305	5	7906	Mountain whitefish	353			2	PIT	900026000148262	
	0305	5	7907	Mountain whitefish	401			2	PIT	900026000055164	
	0305	5	7908	Mountain whitefish	290			2	PIT	900026000064419	
	0305	5	7909	Mountain whitefish	299			2	PIT	965000000110224	
	0305	5	7910	Mountain whitefish	294			2	PIT	900026000055220	
	0305	5	7911	Mountain whitefish	340			2	PIT	900026000083940	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0305	5	7912	Mountain whitefish	385			2	PIT	0A00733962	
	0305	5	7913	Mountain whitefish	354			2	PIT	900026000186619	
	0305	5	7914	Mountain whitefish	272			2	PIT	965000000245917	
	0305	5	7915	Mountain whitefish	299			2	PIT	900026000064278	
	0305	5	7916	Mountain whitefish	276			2	PIT	900026000064355	
	0305	5	7917	Mountain whitefish	357			2	PIT	965000000087124	
	0305	5	7918	Mountain whitefish	294			2	PIT	900026000148662	
	0305	5	7919	Mountain whitefish	310			2	PIT	900026000054634	
	0305	5	7920	Mountain whitefish	338			2	PIT	900026000155203	
	0305	5	7921	Mountain whitefish	332			2	PIT	965000000242667	
	0305	5	7922	Mountain whitefish	306			2	PIT	900026000084118	
	0305	5	7923	Mountain whitefish	320			2	PIT	900026000083763	
	0305	5	7924	Mountain whitefish	277			2	PIT	900026000064722	
	0305	5	7925	Mountain whitefish	278			2	PIT	900026000186152	
	0305	5	7926	Mountain whitefish	331			2	PIT	965000000110775	
	0305	5	7927	Mountain whitefish	279			2	PIT	900026000052769	
	0305	5	7928	Mountain whitefish	360			2	PIT	900026000188025	
	0305	5	7929	Mountain whitefish	388			2	PIT	900026000055700	
	0305	5	7930	Mountain whitefish	337			2	PIT	965000000068593	
	0305	5	7931	Mountain whitefish	295			2	PIT	965000000244882	
	0305	5	7932	Mountain whitefish	300			2	PIT	965000000089788	
	0305	5	7933	Mountain whitefish	294			2	PIT	900026000035285	
	0305	5	7934	Mountain whitefish	329			2	PIT	900026000186510	
	0305	5	7935	Mountain whitefish	320			2	PIT	900026000064205	
	0305	5	7936	Mountain whitefish	353			2	PIT	965000000070551	
	0305	5	7937	Mountain whitefish	350			2	FLOY	5925 YELLOW	
	0305	5	7938	Mountain whitefish	317			2	PIT	900026000148231	
	0314	5	7939	Mountain whitefish	295			2	PIT	900026000187980	
	0314	5	7940	Mountain whitefish	295			2	PIT	900026000188416	
	0314	5	7941	Mountain whitefish	289			2	PIT	900026000061917	
	0314	5	7942	Mountain whitefish	297			2	PIT	965000000090980	
	0314	5	7943	Mountain whitefish	274			2	PIT	900026000034626	
	0314	5	7944	Mountain whitefish	312			2	PIT	965000000085247	
	0314	5	7945	Mountain whitefish	295			2	PIT	965000000071323	
	0314	5	7946	Mountain whitefish	300			2	PIT	900026000147290	
	0314	5	7947	Mountain whitefish	290			2	PIT	900026000065236	
	0305	5	7948	Mountain whitefish	330			2	PIT	965000000282668	
	0305	5	7949	Mountain whitefish	258			2	PIT	900026000056307	
	0305	5	7950	Mountain whitefish	315			2	PIT	900026000083863	
	0305	5	7951	Mountain whitefish	289			2	PIT	965000000079315	
	0305	5	7952	Mountain whitefish	347			2	PIT	965000000281891	
	0305	5	7953	Mountain whitefish	359			2	PIT	900026000186542	
	0305	5	7954	Bull trout	211	96		2	PIT	900026000186577	
	0306	5	7955	Bull trout	509			2	PIT	900026000147406	
	0306	5	7956	Mountain whitefish	325			2	PIT	900026000155271	
	0306	5	7957	Mountain whitefish	452			2	PIT	965000000243848	
	0306	5	7958	Mountain whitefish	323			2	PIT	965000000078672	
	0306	5	7959	Mountain whitefish	308			2	PIT	900026000054599	
	0306	5	7960	Mountain whitefish	344			2	PIT	4D00017903	
	0306	5	7961	Mountain whitefish	327			2	PIT	965000000247152	
	0306	5	7962	Mountain whitefish	283			2	PIT	965000000069770	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0306	5	7963	Mountain whitefish	317			2	PIT	965000000246182	
	0306	5	7964	Mountain whitefish	279			2	PIT	900026000148035	
	0306	5	7965	Bull trout	498			2	PIT	900026000065054	
	0306	5	7966	Mountain whitefish	340			2	PIT	0A00717312	
	0306	5	7967	Walleye	434			0			
	0306	5	7968	Burbot	666			0			
	0306	5	7969	Walleye	443			0			
	0306	5	7970	Walleye	422			0			
	0306	5	7971	Mountain whitefish	329			2	PIT	900026000033996	
	0306	5	7972	Mountain whitefish	308			2	PIT	900026000053809	
	0306	5	7973	Mountain whitefish	287			2	PIT	900026000057359	
	0306	5	7974	Walleye	366			0			
	0306	5	7975	Mountain whitefish	327			2	PIT	900026000147032	
	0306	5	7976	Mountain whitefish	276			2	PIT	900026000064116	
	0315	5	7977	Mountain whitefish	311			2	PIT	965000000245902	
	0315	5	7978	Mountain whitefish	317			2	PIT	965000000243824	
	0315	5	7979	Mountain whitefish	282			2	PIT	965000000282545	
	0315	5	7980	Mountain whitefish	332			2	PIT	965000000238795	
	0315	5	7981	Mountain whitefish	281			2	PIT	900026000063476	
	0315	5	7982	Mountain whitefish	275			2	PIT	900026000034816	
	0315	5	7983	Mountain whitefish	303			2	PIT	0A00752054	
	0315	5	7984	Mountain whitefish	305			2	PIT	965000000247837	
	0315	5	7985	Mountain whitefish	285			2	PIT	900026000064649	
	0315	5	7986	Mountain whitefish	370			2	PIT	900026000054478	
	0315	5	7987	Mountain whitefish	331			2	PIT	965000000242954	
	0315	5	7988	Mountain whitefish	354			2	PIT	965000000244666	
	0315	5	7989	Mountain whitefish	295			2	PIT	900026000051293	
	0315	5	7990	Mountain whitefish	262			2	PIT	900026000147276	
	0315	5	7991	Mountain whitefish	288			2	PIT	965000000282684	
	0315	5	7992	Mountain whitefish	299			2	PIT	900026000057228	
	0315	5	7993	Mountain whitefish	325			2	PIT	900026000184247	
	0315	5	7994	Mountain whitefish	285			2	PIT	900026000064836	
	0315	5	7995	Mountain whitefish	298			2	PIT	965000000243628	
	0315	5	7996	Mountain whitefish	345			2	PIT	900026000147350	
	0315	5	7997	Mountain whitefish	262			2	PIT	900026000154837	
	0315	5	7998	Mountain whitefish	273			2	PIT	965000000280940	
	0315	5	7999	Mountain whitefish	302			2	PIT	900026000147050	
	0315	5	8000	Mountain whitefish	265			2	PIT	965000000070139	
	0315	5	8001	Mountain whitefish	336			2	FLOY	3120 YELLOW	
	0315	5	8002	Mountain whitefish	369			2	PIT	965000000079590	
	0315	5	8003	Mountain whitefish	347			2	PIT	965000000239139	
	0315	5	8004	Mountain whitefish	307			2	PIT	965000000281316	
	0315	5	8005	Mountain whitefish	332			2	PIT	900026000053698	
	0315	5	8006	Mountain whitefish	281			2	PIT	965000000281888	
	0307	5	8007	Mountain whitefish	298			2	PIT	900026000055640	
	0307	5	8008	Mountain whitefish	303			2	PIT	900026000060689	
	0307	5	8009	Mountain whitefish	297			2	PIT	900026000155135	
	0307	5	8010	Mountain whitefish	312			2	PIT	900026000154588	
	0307	5	8011	Mountain whitefish	333			2	PIT	900026000054612	
	0307	5	8012	Mountain whitefish	284			2	PIT	900026000053358	
	0307	5	8013	Mountain whitefish	287			2	PIT	965000000089514	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0307	5	8014	Mountain whitefish	289			2	PIT	900026000054276	
	0307	5	8015	Mountain whitefish	297			2	PIT	900026000065212	
	0307	5	8016	Mountain whitefish	313			2	PIT	0A00711026	
	0307	5	8017	Mountain whitefish	287			2	PIT	900026000083992	
	0307	5	8018	Mountain whitefish	346			2	PIT	900026000148648	
	0307	5	8019	Mountain whitefish	263			2	PIT	900026000188112	
	0307	5	8020	Mountain whitefish	304			2	PIT	900026000154549	
	0307	5	8021	Mountain whitefish	302			2	PIT	965000000244617	
	0307	5	8022	Mountain whitefish	359			2	PIT	900026000051418	
	0307	5	8023	Mountain whitefish	316			2	PIT	900026000035588	
	0307	5	8024	Mountain whitefish	278			2	PIT	900026000186885	
	0307	5	8025	Mountain whitefish	307			2	PIT	965000000243917	
	0307	5	8026	Mountain whitefish	316			2	PIT	900026000186699	
	0307	5	8027	Mountain whitefish	268			2	PIT	900026000056333	
	0307	5	8028	Mountain whitefish	300			2	PIT	965000000243052	
	0307	5	8029	Mountain whitefish	274			2	PIT	900026000155036	
	0307	5	8030	Mountain whitefish	281			2	PIT	965000000282545	
	0307	5	8031	Mountain whitefish	287			2	PIT	900026000061894	
	0307	5	8032	Mountain whitefish	283			2	PIT	900026000054100	
	0307	5	8033	Mountain whitefish	298			2	PIT	900026000147096	
	0307	5	8034	Mountain whitefish	308			2	PIT	965000000281554	
	0308	5	8035	Mountain whitefish	399			2	FLOY	3071 YELLOW	
	0308	5	8036	Mountain whitefish	307			2	PIT	0A00744565	
	0308	5	8037	Mountain whitefish	316			2	PIT	900026000054479	
	0308	5	8038	Mountain whitefish	313			2	PIT	965000000072155	
	0308	5	8039	Mountain whitefish	285			2	PIT	900026000064026	
	0308	5	8040	Mountain whitefish	301			2	PIT	900026000084049	
	0308	5	8041	Mountain whitefish	380			2	PIT	900026000057066	
	0308	5	8042	Mountain whitefish	311			2	PIT	900026000154520	
	0308	5	8043	Mountain whitefish	346			2	PIT	965000000245428	
	0308	5	8044	Mountain whitefish	285			2	PIT	965000000072364	
	0308	5	8045	Mountain whitefish	291			2	PIT	900026000064546	
	0308	5	8046	Mountain whitefish	296			2	PIT	965000000072158	
	0308	5	8047	Mountain whitefish	309			2	PIT	965000000085633	
	0308	5	8048	Mountain whitefish	273			2	PIT	900026000186312	
	0308	5	8049	Mountain whitefish	292			2	PIT	965000000243858	
	0308	5	8050	Arctic grayling	210	134	SCALES	2	0		
	0308	5	8051	Bull trout	274	186	SCALES/FIN RAY	3	0	PIT	900026000147451
	0316	5	8052	Mountain whitefish	264			2	PIT	900026000186299	
	0316	5	8053	Mountain whitefish	263			2	PIT	900026000155018	
	0316	5	8054	Mountain whitefish	270			2	PIT	900026000063857	
	0316	5	8055	Mountain whitefish	287			2	PIT	965000000240853	
	0316	5	8056	Mountain whitefish	402			2	FLOY	3071 YELLOW	
	0316	5	8057	Mountain whitefish	265			2	PIT	965000000113014	
	0316	5	8058	Mountain whitefish	278			2	PIT	900026000154630	
	0316	5	8059	Mountain whitefish	335			2	PIT	965000000238795	
	0316	5	8060	Mountain whitefish	254			2	PIT	900026000147550	
	0316	5	8061	Mountain whitefish	290			2	PIT	965000000010301	
	0316	5	8062	Mountain whitefish	309			2	PIT	900026000155147	
	0316	5	8063	Mountain whitefish	300			2	PIT	965000000087828	
	0316	5	8064	Mountain whitefish	295			2	PIT	900026000147925	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0316	5	8065	Mountain whitefish	302			2	PIT	900026000035428	
	0316	5	8066	Bull trout	370			2	PIT	900026000055480	
	0316	5	8067	Mountain whitefish	331			2	PIT	900026000054689	
	0316	5	8068	Mountain whitefish	295			2	PIT	900026000054060	
	0316	5	8069	Rainbow trout	330			0			
	0316	5	8070	Mountain whitefish	299			2	PIT	900026000186296	
	0316	5	8071	Rainbow trout	305			0			
	0316	5	8072	Mountain whitefish	306			2	PIT	900026000147694	
	0311	5	8073	Mountain whitefish	266			2	PIT	900026000083153	
	0311	5	8074	Mountain whitefish	305			2	PIT	900026000056088	
	0311	5	8075	Mountain whitefish	355			2	PIT	900026000052324	
	0311	5	8076	Mountain whitefish	278			2	PIT	900026000062127	
	0311	5	8077	Mountain whitefish	345			2	PIT	965000000244553	
	0311	5	8078	Mountain whitefish	282			2	PIT	900026000146098	
	0311	5	8079	Mountain whitefish	318			2	PIT	900026000035301	
	0311	5	8080	Mountain whitefish	286			2	PIT	965000000004904	
	0311	5	8081	Mountain whitefish	278			2	PIT	900026000051224	
	0311	5	8082	Mountain whitefish	298			2	PIT	900026000063978	
	0311	5	8083	Mountain whitefish	293			2	PIT	965000000247360	
	0311	5	8084	Mountain whitefish	283			2	PIT	900026000147193	
	0311	5	8085	Mountain whitefish	298			2	PIT	900026000052611	
	0311	5	8086	Mountain whitefish	265			2	PIT	900026000155008	
	0311	5	8087	Mountain whitefish	293			2	PIT	900026000053763	
	0311	5	8088	Mountain whitefish	267			2	PIT	900026000064266	
	0311	5	8089	Mountain whitefish	282			2	PIT	900026000083669	
	0311	5	8090	Mountain whitefish	316			2	PIT	900026000147045	
	0311	5	8091	Mountain whitefish	283			2	PIT	900026000055500	
	0311	5	8092	Mountain whitefish	304			2	PIT	900026000064475	
	0311	5	8093	Mountain whitefish	322			2	PIT	900026000154908	
	0311	5	8094	Mountain whitefish	282			2	PIT	900026000155401	
	0311	5	8095	Mountain whitefish	298			2	PIT	965000000245410	
	0311	5	8096	Mountain whitefish	333			2	PIT	0A00727729	
	0311	5	8097	Mountain whitefish	329			2	PIT	0A00711946	
	0311	5	8098	Mountain whitefish	297			2	PIT	900026000052246	
	0311	5	8099	Mountain whitefish	328			2	PIT	965000000068532	
	0311	5	8100	Mountain whitefish	337			2	FLOY	7464 YELLOW	
	0311	5	8101	Mountain whitefish	313			2	PIT	900026000155089	
	0311	5	8102	Mountain whitefish	252			2	PIT	900026000147117	
	0311	5	8103	Mountain whitefish	296			2	PIT	900026000052653	
	0311	5	8104	Rainbow trout	274			2	PIT	900026000186267	
	0309	5	8105	Mountain whitefish	327			2	PIT	965000000090027	
	0309	5	8106	Mountain whitefish	333			2	PIT	965000000238715	
	0309	5	8107	Mountain whitefish	312			2	PIT	965000000007605	
	0309	5	8108	Mountain whitefish	300			2	PIT	900026000054277	
	0309	5	8109	Mountain whitefish	371			2	PIT	900026000055941	
	0309	5	8110	Mountain whitefish	287			2	PIT	900026000147378	
	0309	5	8111	Mountain whitefish	295			2	PIT	965000000068333	
	0309	5	8112	Mountain whitefish	311			2	PIT	900026000147045	
	0309	5	8113	Mountain whitefish	296			2	PIT	965000000282816	
	0309	5	8114	Mountain whitefish	334			2	PIT	900026000147713	
	0310	5	8115	Mountain whitefish	301			2	PIT	900026000057128	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0310	5	8116	Mountain whitefish	283			2	PIT	900026000083816	
	0310	5	8117	Mountain whitefish	292			2	PIT	900026000056752	
	0310	5	8118	Mountain whitefish	302			2	PIT	900026000052286	
	0310	5	8119	Mountain whitefish	284			2	PIT	900026000083436	
	0310	5	8120	Mountain whitefish	327			2	PIT	4D00032165	
	0310	5	8121	Mountain whitefish	318			2	PIT	900026000055738	
	0310	5	8122	Mountain whitefish	284			2	PIT	900026000063321	
	0310	5	8123	Mountain whitefish	293			2	PIT	900026000083427	
	0310	5	8124	Mountain whitefish	292			2	PIT	965000000244833	
	0310	5	8125	Mountain whitefish	317			2	PIT	965000000242441	
	0310	5	8126	Mountain whitefish	316			2	PIT	900026000061204	
	0312	5	8127	Mountain whitefish	307			2	PIT	965000000247082	
	0312	5	8128	Mountain whitefish	304			2	PIT	900026000052084	
	0312	5	8129	Mountain whitefish	328			2	PIT	900026000061386	
	0312	5	8130	Mountain whitefish	302			2	PIT	900026000147027	
	0312	5	8131	Mountain whitefish	268			2	PIT	900026000154582	
	0312	5	8132	Mountain whitefish	322			2	PIT	4D00033618	
	0312	5	8133	Mountain whitefish	292			2	PIT	965000000247739	
	0312	5	8134	Mountain whitefish	388			2	PIT	900026000051141	
	0312	5	8135	Mountain whitefish	334			2	PIT	900026000147322	
	0312	5	8136	Mountain whitefish	303			2	PIT	900026000052204	
	0312	5	8137	Mountain whitefish	259			2	PIT	900026000083806	
	0312	5	8138	Mountain whitefish	338			2	FLOY	16624	WHITE
	0312	5	8139	Mountain whitefish	261			2	PIT	900026000147949	
	0312	5	8140	Mountain whitefish	282			2	PIT	900026000052128	
	0312	5	8141	Mountain whitefish	288			2	PIT	900026000147164	
	0312	5	8142	Mountain whitefish	279			2	PIT	900026000186092	
	0312	5	8143	Mountain whitefish	271			2	PIT	900026000188278	
	0312	5	8144	Bull trout	547			2	PIT	965000000282484	
	0312	5	8145	Bull trout	302			2	PIT	900026000155051	
	0302	6	9776	Mountain whitefish	392			2	FLOY	8853	YELLOW
	0302	6	9777	Mountain whitefish	302			2	PIT	900026000054461	
	0302	6	9778	Mountain whitefish	280			2	PIT	4D00012935	
	0302	6	9779	Mountain whitefish	314			2	PIT	965000000244457	
	0302	6	9780	Walleye	374			0			
	0302	6	9781	Mountain whitefish	272			2	PIT	900026000083781	
	0302	6	9782	Mountain whitefish	302			2	PIT	965000000282530	
	0302	6	9783	Mountain whitefish	271			2	PIT	900026000154974	
	0302	6	9784	Mountain whitefish	272			2	PIT	900026000154757	
	0302	6	9785	Walleye	455			0			
	0302	6	9786	Walleye	502			0			
	0302	6	9787	Mountain whitefish	312			2	PIT	900026000056701	
	0302	6	9788	Mountain whitefish	274			2	PIT	900026000060619	
	0301	6	9789	Bull trout	741			2	PIT	900026000052195	
	0301	6	9790	Mountain whitefish	266			2	PIT	900026000054594	
	0301	6	9791	Mountain whitefish	260			2	PIT	900026000148142	
	0301	6	9792	Mountain whitefish	291			2	PIT	965000000248064	
	0301	6	9793	Mountain whitefish	260			2	PIT	900026000034751	
	0301	6	9794	Mountain whitefish	274			2	PIT	965000000065576	
	0301	6	9795	Mountain whitefish	269			2	PIT	900026000148228	
	0301	6	9796	Mountain whitefish	282			2	PIT	900026000061082	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0301	6	9797	Mountain whitefish	324			2	PIT	965000000065709	
	0301	6	9798	Mountain whitefish	262			2	PIT	900026000148336	
	0301	6	9799	Mountain whitefish	323			2	PIT	900026000052648	
	0301	6	9800	Mountain whitefish	292			2	PIT	900026000148128	
	0303	6	9801	Mountain whitefish	307			2	PIT	965000000243514	
	0303	6	9802	Mountain whitefish	335			2	PIT	965000000238595	
	0303	6	9803	Mountain whitefish	386			2	PIT	965000000093222	
	0303	6	9804	Mountain whitefish	312			2	PIT	900026000147497	
	0303	6	9805	Mountain whitefish	292			2	PIT	900026000061535	
	0303	6	9806	Mountain whitefish	302			2	PIT	965000000243998	
	0303	6	9807	Mountain whitefish	334			2	PIT	965000000245926	
	0303	6	9808	Mountain whitefish	313			2	PIT	900026000057458	
	0303	6	9809	Mountain whitefish	306			2	PIT	965000000245454	
	0303	6	9810	Mountain whitefish	288			2	PIT	965000000092502	
	0303	6	9811	Mountain whitefish	322			2	PIT	900026000186120	
	0303	6	9812	Mountain whitefish	306			2	PIT	900026000055667	
	0303	6	9813	Mountain whitefish	300			2	PIT	900026000186795	
	0303	6	9814	Mountain whitefish	350			2	PIT	900026000063547	
	0303	6	9815	Mountain whitefish	307			2	PIT	900026000186287	
	0305	6	9817	Mountain whitefish	268			2	PIT	900026000148542	
	0305	6	9818	Mountain whitefish	354			2	PIT	965000000071446	
	0305	6	9819	Mountain whitefish	287			2	PIT	900026000051981	
	0305	6	9820	Mountain whitefish	272			2	PIT	900026000083899	
	0305	6	9821	Mountain whitefish	349			2	FLOY	5925 YELLOW	
	0305	6	9822	Mountain whitefish	288			2	PIT	900026000053453	
	0305	6	9823	Mountain whitefish	280			2	PIT	965000000246046	
	0305	6	9824	Mountain whitefish	287			2	PIT	900026000034894	
	0305	6	9825	Mountain whitefish	402			2	PIT	900026000186226	
	0305	6	9826	Mountain whitefish	271			2	PIT	965000000083665	
	0305	6	9827	Mountain whitefish	317			2	PIT	900026000083863	
	0305	6	9828	Mountain whitefish	281			2	PIT	965000000281814	
	0305	6	9829	Mountain whitefish	316			2	PIT	965000000246655	
	0305	6	9830	Mountain whitefish	291			2	PIT	900026000186921	
	0305	6	9831	Mountain whitefish	383			2	PIT	965000000077666	
	0305	6	9832	Mountain whitefish	276			2	PIT	900026000186080	
	0305	6	9833	Mountain whitefish	284			2	PIT	900026000053156	
	0305	6	9834	Mountain whitefish	307			2	PIT	900026000060343	
	0305	6	9835	Mountain whitefish	314			2	PIT	965000000008803	
	0305	6	9836	Mountain whitefish	295			2	PIT	900026000154511	
	0305	6	9837	Mountain whitefish	340			2	PIT	900026000155062	
	0305	6	9838	Mountain whitefish	334			2	PIT	900026000154576	
	0305	6	9839	Mountain whitefish	283			2	PIT	900026000083772	
	0305	6	9840	Mountain whitefish	337			2	PIT	965000000245800	
	0305	6	9841	Mountain whitefish	297			2	PIT	900026000035285	
	0305	6	9842	Mountain whitefish	293			2	PIT	900026000054060	
	0305	6	9843	Mountain whitefish	331			2	PIT	965000000240777	
	0305	6	9844	Mountain whitefish	317			2	PIT	965000000079496	
	0305	6	9845	Mountain whitefish	284			2	PIT	900026000052890	
	0305	6	9846	Mountain whitefish	335			2	PIT	965000000087691	
	0305	6	9847	Mountain whitefish	318			2	PIT	900026000054113	
	0305	6	9848	Mountain whitefish	391			2	PIT	900026000052578	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0305	6	9849	Mountain whitefish	296			2	PIT	965000000245149	
	0305	6	9850	Mountain whitefish	287			2	PIT	900026000053805	
	0305	6	9851	Mountain whitefish	278			2	PIT	900026000154792	
	0305	6	9852	Bull trout	257			2	PIT	900026000147802	
	0305	6	9853	Bull trout	313			2	PIT	900026000155183	
	0305	6	9854	Mountain whitefish	272			2	PIT	900026000017916	
	0314	6	9855	Mountain whitefish	267			2	PIT	900026000034554	
	0314	6	9856	Mountain whitefish	297			2	PIT	900026000055077	
	0314	6	9857	Mountain whitefish	272			2	PIT	900026000034626	
	0314	6	9858	Northern pike	462			0			
	0306	6	9859	Mountain whitefish	327			2	FLOY	8915 YELLOW	
	0306	6	9860	Mountain whitefish	278			2	PIT	965000000083638	
	0306	6	9861	Mountain whitefish	353			2	PIT	0A00720977	
	0306	6	9862	Mountain whitefish	300			2	PIT	900026000146244	
	0306	6	9863	Mountain whitefish	252			2	PIT	900026000147613	
	0306	6	9864	Mountain whitefish	278			2	PIT	965000000104864	
	0306	6	9865	Mountain whitefish	272			2	PIT	965000000281540	
	0306	6	9866	Walleye	397			0			
	0306	6	9867	Mountain whitefish	298			2	PIT	900026000055209	
	0306	6	9868	Mountain whitefish	377			2	PIT	965000000064614	
	0306	6	9869	Mountain whitefish	282			2	PIT	965000000004904	
	0306	6	9870	Mountain whitefish	254			2	PIT	900026000186502	
	0306	6	9871	Mountain whitefish	307			2	PIT	900026000154563	
	0306	6	9872	Mountain whitefish	345			2	PIT	965000000071087	
	0306	6	9873	Mountain whitefish	322			2	PIT	965000000247566	
	0306	6	9874	Mountain whitefish	322			2	PIT	900026000055738	
	0306	6	9875	Mountain whitefish	299			2	PIT	965000000247270	
	0306	6	9876	Mountain whitefish	278			2	PIT	900026000187955	
	0306	6	9877	Kokanee	183			0			
	0306	6	9878	Mountain whitefish	333			2	PIT	900026000034768	
	0315	6	9879	Mountain whitefish	254			2	PIT	900026000083549	
	0315	6	9880	Mountain whitefish	302			2	PIT	900026000033593	
	0315	6	9881	Mountain whitefish	294			2	PIT	900026000055296	
	0315	6	9882	Mountain whitefish	306			2	PIT	965000000243040	
	0315	6	9883	Mountain whitefish	369			2	PIT	965000000079590	
	0315	6	9884	Mountain whitefish	257			2	PIT	900026000055240	
	0315	6	9885	Mountain whitefish	296			2	PIT	965000000072395	
	0315	6	9886	Mountain whitefish	286			2	PIT	900026000034151	
	0315	6	9887	Mountain whitefish	284			2	PIT	965000000281735	
	0315	6	9888	Mountain whitefish	284			2	PIT	900026000056162	
	0315	6	9889	Mountain whitefish	278			2	PIT	965000000071967	
	0315	6	9890	Mountain whitefish	305			2	PIT	900026000056088	
	0315	6	9891	Mountain whitefish	307			2	PIT	965000000088104	
	0307	6	9892	Mountain whitefish	296			2	PIT	900026000154605	
	0307	6	9893	Mountain whitefish	276			2	PIT	900026000083357	
	0307	6	9894	Mountain whitefish	254			2	PIT	900026000188846	
	0307	6	9895	Mountain whitefish	301			2	PIT	900026000060689	
	0307	6	9896	Mountain whitefish	351			2	PIT	965000000282652	
	0307	6	9897	Mountain whitefish	293			2	PIT	965000000281943	
	0307	6	9898	Mountain whitefish	326			2	PIT	965000000238173	
	0307	6	9899	Mountain whitefish	272			2	PIT	900026000147902	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0307	6	9900	Mountain whitefish	276			2	PIT	965000000282079	
	0316	6	9901	Mountain whitefish	295			2	FLOY	15746	WHITE
	0316	6	9902	Mountain whitefish	252			2	PIT	900026000147580	
	0316	6	9903	Mountain whitefish	262			2	PIT	900026000148305	
	0316	6	9904	Mountain whitefish	278			2	PIT	900026000188287	
	0316	6	9905	Mountain whitefish	276			2	PIT	900026000146032	
	0316	6	9906	Mountain whitefish	283			2	PIT	965000000245859	
	0316	6	9907	Mountain whitefish	280			2	PIT	900026000146147	
	0316	6	9908	Mountain whitefish	273			2	PIT	965000000104798	
	0316	6	9909	Mountain whitefish	279			2	PIT	900026000055114	
	0316	6	9910	Rainbow trout	266			2	PIT	900026000154985	
	0308	6	9911	Mountain whitefish	298			2	PIT	900026000034738	
	0308	6	9912	Mountain whitefish	304			2	PIT	900026000146236	
	0308	6	9913	Mountain whitefish	282			2	PIT	900026000055559	
	0308	6	9914	Mountain whitefish	312			2	PIT	965000000282654	
	0308	6	9915	Mountain whitefish	308			2	PIT	900026000054415	
	0308	6	9916	Mountain whitefish	301			2	PIT	900026000084049	
	0308	6	9917	Mountain whitefish	273			2	PIT	900026000083190	
	0308	6	9918	Mountain whitefish	312			2	PIT	900026000057442	
	0308	6	9919	Mountain whitefish	323			2	PIT	965000000243539	
	0308	6	9920	Mountain whitefish	336			2	PIT	965000000282057	
	0308	6	9921	Mountain whitefish	278			2	PIT	900026000055824	
	0308	6	9922	Mountain whitefish	316			2	PIT	900026000063436	
	0308	6	9923	Mountain whitefish	348			2	PIT	900026000084001	
	0308	6	9924	Mountain whitefish	286			2	PIT	900026000148792	
	0308	6	9925	Mountain whitefish	304			2	PIT	965000000281758	
	0308	6	9926	Mountain whitefish	304			2	PIT	900026000064979	
	0311	6	9927	Mountain whitefish	301			2	PIT	900026000035127	
	0311	6	9928	Mountain whitefish	278			2	PIT	900026000060583	
	0311	6	9929	Mountain whitefish	326			2	PIT	0A00733045	
	0311	6	9930	Mountain whitefish	277			2	PIT	900026000146098	
	0311	6	9931	Mountain whitefish	290			2	PIT	900026000064640	
	0311	6	9932	Mountain whitefish	283			2	PIT	900026000155161	
	0311	6	9933	Mountain whitefish	304			2	PIT	900026000054577	
	0311	6	9934	Mountain whitefish	294			2	PIT	965000000281358	
	0311	6	9935	Mountain whitefish	308			2	PIT	900026000155089	
	0311	6	9936	Mountain whitefish	336			2	PIT	4D00034365	
	0311	6	9937	Mountain whitefish	278			2	PIT	900026000061792	
	0311	6	9938	Mountain whitefish	368			2	PIT	965000000243641	
	0311	6	9939	Mountain whitefish	353			2	PIT	900026000147282	
	0311	6	9940	Mountain whitefish	322			2	PIT	900026000147385	
	0311	6	9941	Mountain whitefish	292			2	PIT	900026000148269	
	0311	6	9942	Mountain whitefish	318			2	PIT	965000000281417	
	0311	6	9943	Mountain whitefish	302			2	PIT	965000000071892	
	0311	6	9944	Mountain whitefish	285			2	PIT	965000000282074	
	0311	6	9945	Mountain whitefish	279			2	PIT	900026000147790	
	0311	6	9946	Mountain whitefish	273			2	PIT	900026000083995	
	0311	6	9947	Mountain whitefish	289			2	PIT	900026000154577	
	0311	6	9948	Mountain whitefish	269			2	PIT	900026000148667	
	0311	6	9949	Walleye	445			0			
	0311	6	9950	Mountain whitefish	324			2	PIT	900026000084010	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0311	6	9951	Mountain whitefish	342			2	PIT	900026000154951	
	0311	6	9952	Mountain whitefish	294			2	PIT	900026000083746	
	0311	6	9953	Mountain whitefish	292			2	PIT	965000000281754	
	0311	6	9954	Mountain whitefish	324			2	PIT	965000000246534	
	0311	6	9955	Mountain whitefish	267			2	PIT	900026000084091	
	0311	6	9956	Mountain whitefish	327			2	PIT	965000000247026	
	0311	6	9957	Mountain whitefish	272			2	PIT	900026000065551	
	0309	6	9958	Mountain whitefish	338			2	PIT	965000000086989	
	0309	6	9959	Mountain whitefish	280			2	PIT	900026000148345	
	0309	6	9960	Mountain whitefish	269			2	PIT	900026000054535	
	0309	6	9961	Mountain whitefish	293			2	PIT	900026000084128	
	0309	6	9962	Mountain whitefish	253			2	PIT	900026000147192	
	0309	6	9963	Mountain whitefish	310			2	PIT	965000000007605	
	0309	6	9964	Mountain whitefish	288			2	PIT	900026000083234	
	0309	6	9965	Mountain whitefish	292			2	PIT	965000000110074	
	0309	6	9966	Mountain whitefish	296			2	PIT	965000000282816	
	0310	6	9967	Mountain whitefish	352			2	PIT	965000000071448	
	0310	6	9968	Mountain whitefish	307			2	PIT	965000000113514	
	0310	6	9969	Mountain whitefish	312			2	PIT	900026000186008	
	0310	6	9970	Mountain whitefish	291			2	PIT	900026000064824	
	0310	6	9971	Mountain whitefish	320			2	PIT	900026000054507	
	0310	6	9972	Mountain whitefish	294			2	PIT	900026000056752	
	0310	6	9973	Mountain whitefish	283			2	PIT	900026000155161	
	0310	6	9974	Mountain whitefish	301			2	PIT	965000000072143	
	0310	6	9975	Mountain whitefish	265			2	PIT	900026000064266	
	0310	6	9976	Mountain whitefish	280			2	PIT	900026000148259	
	0310	6	9977	Mountain whitefish	293			2	PIT	965000000068912	
	0310	6	9978	Mountain whitefish	293			2	PIT	965000000281754	
	0310	6	9979	Mountain whitefish	285			2	PIT	900026000083294	
	0310	6	9980	Mountain whitefish	283			2	PIT	965000000282216	
	0310	6	9981	Mountain whitefish	330			2	PIT	900026000033996	
	0310	6	9982	Mountain whitefish	327			2	PIT	965000000243055	
	0310	6	9983	Mountain whitefish	268			2	PIT	900026000148667	
	0310	6	9984	Mountain whitefish	332			2	FLOY	13774	WHITE
	0310	6	9985	Mountain whitefish	310			2	PIT	900026000155290	
	0310	6	9986	Mountain whitefish	277			2	PIT	900026000064409	
	0310	6	9987	Mountain whitefish	273			2	PIT	965000000072569	
	0312	6	9988	Bull trout	731	4820		2	PIT	900026000064677	
	0312	6	9989	Mountain whitefish	322			2	PIT	900026000063780	
	0312	6	9990	Mountain whitefish	323			2	PIT	965000000088509	
	0312	6	9991	Mountain whitefish	314			2	PIT	965000000282276	
	0312	6	9992	Mountain whitefish	294			2	PIT	965000000092517	
	0312	6	9993	Mountain whitefish	422			2	PIT	0A00733862	
	0312	6	9994	Mountain whitefish	384			2	PIT	900026000155207	
	0312	6	9995	Mountain whitefish	320			2	PIT	900026000155429	
	0312	6	9996	Mountain whitefish	309			2	PIT	965000000071680	
	0312	6	9997	Mountain whitefish	292			2	PIT	900026000064824	
	0312	6	9998	Mountain whitefish	277			2	PIT	900026000064409	
	0312	6	9999	Mountain whitefish	291			2	PIT	900026000083427	
	0312	6	10000	Mountain whitefish	264			2	PIT	900026000034678	
	0312	6	10001	Mountain whitefish	337			2	PIT	900026000055122	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
3											
	0312	6	10002	Mountain whitefish	348			2	PIT	900026000035336	
	0312	6	10003	Mountain whitefish	282			2	PIT	900026000155161	
	0312	6	10004	Mountain whitefish	264			2	PIT	900026000146156	
	0312	6	10005	Mountain whitefish	268			2	PIT	900026000064266	
	0312	6	10006	Mountain whitefish	342			2	PIT	965000000281537	
	0312	6	10007	Mountain whitefish	284			2	PIT	900026000053983	
	0312	6	10008	Mountain whitefish	304			2	PIT	900026000147907	
5											
	0503	1	1214	Mountain whitefish	349	390	SCALES	0	PIT	900026000054028	
	0503	1	1215	Mountain whitefish	384	528	SCALES	0	PIT	900026000147650	
	0503	1	1216	Mountain whitefish	291	278	SCALES	2	PIT	965000000003661	
	0503	1	1217	Mountain whitefish	271	216	SCALES	0	PIT	900026000147012	
	0503	1	1218	Mountain whitefish	289	264	SCALES	0	PIT	900026000154932	
	0503	1	1219	Mountain whitefish	296	270	SCALES	0	PIT	900026000154972	
	0503	1	1220	Mountain whitefish	288	304	SCALES	0	PIT	900026000147036	
	0503	1	1221	Mountain whitefish	287	230	SCALES	0	PIT	900026000147431	
	0503	1	1222	Mountain whitefish	275	218	SCALES	0	PIT	900026000053830	
	0503	1	1223	Mountain whitefish	289	226	SCALES	5	2	PIT	900026000060428
	0503	1	1224	Mountain whitefish	207	86	SCALES		0		
	0503	1	1225	Mountain whitefish	283	248	SCALES		0	PIT	900026000155435
	0503	1	1226	Mountain whitefish	302	268	SCALES		2	PIT	900026000055663
	0503	1	1227	Mountain whitefish	417	590	SCALES		2	PIT	965000000079996
	0503	1	1228	Mountain whitefish	356	416	SCALES		0	PIT	900026000056634
	0503	1	1229	Mountain whitefish	293	248	SCALES		2	PIT	965000000078442
	0503	1	1230	Mountain whitefish	278	234	SCALES		2	PIT	965000000282715
	0503	1	1231	Mountain whitefish	289	254	SCALES		0	PIT	900026000034724
	0503	1	1232	Mountain whitefish	287	264	SCALES		0	PIT	900026000155471
	0503	1	1233	Mountain whitefish	308	336	SCALES		2	PIT	965000000091942
	0503	1	1234	Mountain whitefish	309	264	SCALES		0	PIT	900026000055525
	0503	1	1235	Mountain whitefish	304	322	SCALES	6	2	PIT	965000000088991
	0503	1	1236	Mountain whitefish	284	248	SCALES		0	PIT	900026000147789
	0503	1	1237	Mountain whitefish	290	234	SCALES		2	PIT	900026000146092
	0503	1	1238	Mountain whitefish	294	258	SCALES		0	PIT	900026000148006
	0503	1	1239	Mountain whitefish	281	216	SCALES		0	PIT	900026000154879
	0503	1	1240	Mountain whitefish	258	196	SCALES		0	PIT	900026000155164
	0503	1	1241	Mountain whitefish	276	200	SCALES		2	PIT	965000000077922
	0503	1	1242	Mountain whitefish	299	254	SCALES		2	PIT	900026000060965
	0503	1	1243	Mountain whitefish	263	180	SCALES	4	0	PIT	900026000055324
	0503	1	1244	Mountain whitefish	296	240	SCALES		0	PIT	900026000147128
	0503	1	1245	Mountain whitefish	275	222	SCALES		0	PIT	900026000148511
	0503	1	1246	Mountain whitefish	294	250	SCALES		2	PIT	900026000062107
	0503	1	1247	Arctic grayling	283	272	SCALES	4	0	PIT	900026000052229
	0503	1	1248	Mountain whitefish	307	308	SCALES		2	PIT	965000000246401
	0503	1	1249	Mountain whitefish	138	34	SCALES		0		
	0503	1	1250	Mountain whitefish	234	132	SCALES		0		
	0503	1	1251	Mountain whitefish	282	270	SCALES		2	PIT	900026000065100
	0503	1	1252	Mountain whitefish	338	334	SCALES	7	2	PIT	965000000083500
	0501	1	1253	Mountain whitefish	388	474	SCALES		2	PIT	965000000244814
	0501	1	1254	Mountain whitefish	292	244	SCALES		0	PIT	900026000052280
	0501	1	1255	Mountain whitefish	369	498	SCALES		2	PIT	965000000088418
	0501	1	1256	Mountain whitefish	333	424	SCALES		2	PIT	900026000065107
	0501	1	1257	Mountain whitefish	292	216	SCALES		2	PIT	965000000067781

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0501	1	1258	Mountain whitefish	291	254	SCALES		2	PIT	900026000146031	
0501	1	1259	Mountain whitefish	485	1002	SCALES		0	PIT	900026000147729	
0501	1	1260	Mountain whitefish	217	108	SCALES		0			
0501	1	1261	Mountain whitefish	276	236	SCALES		0	PIT	900026000053203	
0501	1	1262	Mountain whitefish	272	240	SCALES		2	PIT	900026000051929	
0501	1	1263	Mountain whitefish	353	428	SCALES		0	PIT	900026000154750	
0501	1	1264	Mountain whitefish	402	580	SCALES	9	0	PIT	900026000154950	
0501	1	1265	Mountain whitefish	342	372	SCALES		2	PIT	900026000055527	
0501	1	1266	Bull trout	305	298	SCALES/FIN RAY	3	0	PIT	900026000154791	
0501	1	1267	Mountain whitefish	315	340	SCALES		0	PIT	900026000146285	
0501	1	1268	Mountain whitefish	296	286	SCALES		0	PIT	900026000155221	
0501	1	1269	Mountain whitefish	268	202	SCALES		0	PIT	900026000147850	
0501	1	1270	Mountain whitefish	392	550	SCALES		0	PIT	900026000155178	
0501	1	1271	Mountain whitefish	280	224	SCALES		0	PIT	900026000147337	
0501	1	1272	Mountain whitefish	294	272	SCALES		0	PIT	900026000083221	
0502	1	1273	Mountain whitefish	348	430	SCALES		0	PIT	900026000147015	
0502	1	1274	Mountain whitefish	318	366	SCALES		0	PIT	900026000155326	
0502	1	1275	Mountain whitefish	346	368	SCALES		0	PIT	900026000155420	
0502	1	1276	Mountain whitefish	279	232	SCALES		0	PIT	900026000055595	
0502	1	1277	Mountain whitefish	379	512	SCALES		2	PIT	0A00727605	
0502	1	1278	Arctic grayling	292	290	SCALES	3	0	PIT	900026000147787	
0502	1	1279	Mountain whitefish	369	450	SCALES		0	PIT	900026000148532	
0502	1	1280	Mountain whitefish	349	394	SCALES		2	PIT	965000000245447	
0502	1	1281	Mountain whitefish	364	454	SCALES		0	PIT	900026000148401	
0502	1	1282	Mountain whitefish	281	234	SCALES		0	PIT	900026000057146	
0502	1	1283	Mountain whitefish	227	142	SCALES		0			
0502	1	1284	Mountain whitefish	412	740	SCALES	10	0	PIT	900026000147508	
0502	1	1285	Mountain whitefish	288	236	SCALES		0	PIT	900026000055725	
0502	1	1286	Mountain whitefish	280	242	SCALES		2	PIT	900026000147414	
0502	1	1287	Mountain whitefish	347	412	SCALES		0	PIT	900026000146109	
0502	1	1288	Mountain whitefish	319	318	SCALES		0	PIT	900026000146102	
0502	1	1289	Mountain whitefish	251	152	SCALES		0	PIT	900026000147464	
0502	1	1290	Mountain whitefish	223	120	SCALES		0			
0502	1	1291	Mountain whitefish	282	202	SCALES		0	PIT	900026000147437	
0502	1	1292	Mountain whitefish	251	172	SCALES	5	0	PIT	900026000148490	
0502	1	1293	Mountain whitefish	359	406	SCALES		0	PIT	900026000155128	
0502	1	1294	Bull trout	299	318	SCALES/FIN RAY	3	0	PIT	900026000148282	
0502	1	1295	Mountain whitefish	414	742	SCALES		2	PIT	900026000056723	
0502	1	1296	Mountain whitefish	317	322	SCALES		0	PIT	900026000154510	
0502	1	1297	Mountain whitefish	337	264	SCALES		2	PIT	965000000087983	
0502	1	1298	Mountain whitefish	241	158	SCALES		0			
0502	1	1299	Mountain whitefish	261	192	SCALES		0	PIT	900026000052141	
0502	1	1300	Mountain whitefish	294	266	SCALES		0	PIT	900026000147121	
0502	1	1301	Mountain whitefish	294	250	SCALES		2	PIT	965000000110226	
0502	1	1302	Mountain whitefish	278	252	SCALES		0	PIT	900026000147569	
0502	1	1303	Mountain whitefish	367	464	SCALES		0	PIT	900026000155047	
0502	1	1304	Bull trout	418	780	FIN RAY	4	0	PIT	900026000148565	
0502	1	1305	Bull trout	355	458			2	PIT	900026000054025	
0502	1	1306	Mountain whitefish	299	306	SCALES		0	PIT	900026000051957	
0502	1	1307	Mountain whitefish	313	318	SCALES		2	PIT	900026000154801	
0502	1	1308	Mountain whitefish	371	424	SCALES		0	PIT	900026000055454	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0502	1	1309	Mountain whitefish	297	274	SCALES		0	PIT	900026000148610	
0502	1	1310	Mountain whitefish	352	404	SCALES		2	PIT	0A00724453	
0502	1	1311	Mountain whitefish	270	210	SCALES		2	PIT	900026000060375	
0502	1	1312	Mountain whitefish	273	232	SCALES		0	PIT	900026000147639	
0504	1	1313	Mountain whitefish	313	302	SCALES		2	PIT	965000000104816	
0504	1	1314	Mountain whitefish	287	236	SCALES		0	PIT	900026000154941	
0504	1	1315	Mountain whitefish	267	206	SCALES		0	PIT	900026000084121	
0504	1	1316	Mountain whitefish	289	216	SCALES		2	PIT	965000000009802	
0504	1	1317	Mountain whitefish	348	344	SCALES	7	2	PIT	965000000244622	
0504	1	1318	Mountain whitefish	347	370	SCALES		2	PIT	900026000155420	
0504	1	1319	Mountain whitefish	250	170	SCALES		0	PIT	900026000056077	
0504	1	1320	Arctic grayling	280	264	SCALES	3	0	PIT	900026000083936	
0504	1	1321	Mountain whitefish	276	230	SCALES		2	PIT	900026000147639	
0504	1	1322	Mountain whitefish	265	202	SCALES		0	PIT	900026000053500	
0504	1	1323	Mountain whitefish	316	278	SCALES		2	PIT	9650000000084050	
0504	1	1324	Mountain whitefish	280	216	SCALES		2	PIT	900026000147337	
0504	1	1325	Mountain whitefish	292	304	SCALES		2	PIT	9650000000068482	
0504	1	1326	Mountain whitefish	306	260	SCALES	5	2	PIT	900026000147705	
0504	1	1327	Mountain whitefish	295	240	SCALES	6	0	PIT	900026000155322	
0504	1	1328	Mountain whitefish	290	236	SCALES		0	PIT	900026000148398	
0504	1	1329	Mountain whitefish	227	128	SCALES		0			
0504	1	1330	Mountain whitefish	291	242	SCALES		0	PIT	900026000034975	
0504	1	1331	Mountain whitefish	264	196	SCALES		0	PIT	900026000146197	
0504	1	1332	Mountain whitefish	309	288	SCALES	6	0	PIT	900026000154705	
0504	1	1333	Mountain whitefish	292	254	SCALES		2	PIT	900026000063672	
0504	1	1334	Mountain whitefish	308	296	SCALES		2	PIT	900026000051870	
0504	1	1335	Mountain whitefish	293	272	SCALES	4	0	PIT	900026000053957	
0504	1	1336	Mountain whitefish	279	226	SCALES	5	0	PIT	900026000148923	
0504	1	1337	Mountain whitefish	273	230	SCALES		0	PIT	900026000154682	
0504	1	1338	Mountain whitefish	180	64	SCALES		0			
0504	1	1339	Mountain whitefish	300	296	SCALES		2	PIT	900026000065084	
0504	1	1340	Mountain whitefish	254	182	SCALES		0	PIT	900026000146015	
0504	1	1341	Mountain whitefish	280	240	SCALES		2	PIT	900026000146175	
0504	1	1342	Mountain whitefish	366	424	SCALES		2	PIT	965000000245181	
0504	1	1343	Mountain whitefish	296	266	SCALES	5	0	PIT	900026000053933	
0504	1	1344	Mountain whitefish	276	220	SCALES		0	PIT	900026000084143	
0504	1	1345	Mountain whitefish	353	382	SCALES		0	PIT	900026000052024	
0504	1	1346	Mountain whitefish	333	372	SCALES		2	PIT	900026000051392	
0504	1	1347	Mountain whitefish	287	232	SCALES		0	PIT	900026000147356	
0504	1	1348	Mountain whitefish	318	364	SCALES		0	PIT	900026000147576	
0504	1	1349	Mountain whitefish	292	254	SCALES		2	PIT	900026000146031	
0504	1	1350	Mountain whitefish	255	184	SCALES		0	PIT	900026000034883	
0504	1	1351	Mountain whitefish	250	164	SCALES		0	PIT	900026000035309	
0504	1	1352	Mountain whitefish	215	116	SCALES	3	0			
0504	1	1353	Mountain whitefish	258	190	SCALES		0	PIT	900026000148967	
0504	1	1354	Mountain whitefish	251	184	SCALES		0	PIT	900026000147946	
0504	1	1355	Mountain whitefish	292	248	SCALES		2	PIT	900026000065137	
0504	1	1356	Mountain whitefish	301	270	SCALES	6	0	PIT	900026000154881	
0504	1	1357	Mountain whitefish	310	306	SCALES		0	PIT	900026000147204	
0504	1	1358	Mountain whitefish	237	132	SCALES		0			
0504	1	1359	Mountain whitefish	259	198	SCALES		0	PIT	900026000147990	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0504	1	1360	Mountain whitefish	262	192	SCALES		0	PIT	900026000154988
	0504	1	1361	Mountain whitefish	258	174	SCALES		0	PIT	900026000155076
	0504	1	1362	Mountain whitefish	390	456	SCALES		0	PIT	900026000155276
	0504	1	1363	Mountain whitefish	289	240	SCALES		2	PIT	965000000282094
	0504	1	1364	Mountain whitefish	200	80	SCALES		0		
	0504	1	1365	Mountain whitefish	291	244	SCALES		0	PIT	900026000146280
	0504	1	1366	Mountain whitefish	230	132	SCALES		0		
	0504	1	1367	Mountain whitefish	310	272	SCALES		0	PIT	900026000083923
	0504	1	1368	Mountain whitefish	293	268	SCALES		0	PIT	900026000155490
	0504	1	1369	Mountain whitefish	262	182	SCALES		0	PIT	900026000148271
	0504	1	1370	Mountain whitefish	278	220	SCALES		0	PIT	900026000147043
	0504	1	1371	Mountain whitefish	232	120	SCALES		0		
	0504	1	1372	Mountain whitefish	290	282	SCALES/OTOLITH		1		
	0505	1	1373	Bull trout	693	3588	FIN RAY	8	0	PIT	900026000056185
	0505	1	1374	Bull trout	402	690	FIN RAY	4	0	PIT	900026000155157
	0505	1	1375	Mountain whitefish	378	518	SCALES		2	PIT	0A00727605
	0505	1	1376	Mountain whitefish	350	338	SCALES		0	PIT	900026000154722
	0505	1	1377	Mountain whitefish	298	276	SCALES		0	PIT	900026000154783
	0505	1	1378	Mountain whitefish	270	220	SCALES		2	PIT	900026000147108
	0505	1	1379	Mountain whitefish	337	378	SCALES		2	PIT	900026000064958
	0505	1	1380	Mountain whitefish	298	274	SCALES		2	PIT	965000000244949
	0505	1	1381	Mountain whitefish	282	240	SCALES		0	PIT	900026000053755
	0505	1	1382	Mountain whitefish	314	310	SCALES	6	2	PIT	965000000089931
	0505	1	1383	Mountain whitefish	261	192	SCALES		0	PIT	900026000055255
	0505	1	1384	Mountain whitefish	260	186	SCALES		0	PIT	900026000052203
	0505	1	1385	Mountain whitefish	243	146	SCALES		0		
	0505	1	1386	Mountain whitefish	201	72	SCALES		0		
	0505	1	1387	Mountain whitefish	195	72	SCALES		0		
	0505	1	1388	Mountain whitefish	416	688	SCALES		2	PIT	965000000088123
	0505	1	1389	Mountain whitefish	294	280	SCALES	6	2	PIT	900026000155221
	0505	1	1390	Mountain whitefish	370	450	SCALES		2	PIT	900026000148532
	0505	1	1391	Mountain whitefish	398	604	SCALES	11	0	PIT	900026000147966
	0505	1	1392	Mountain whitefish	347	386	SCALES		0	PIT	900026000155057
	0505	1	1393	Mountain whitefish	306	266	SCALES		2	PIT	900026000053661
	0505	1	1394	Mountain whitefish	284	220	SCALES		0	PIT	900026000154506
	0505	1	1395	Mountain whitefish	333	350	SCALES		2	PIT	900026000055956
	0505	1	1396	Mountain whitefish	290	264	SCALES		0	PIT	900026000052172
	0505	1	1397	Mountain whitefish	274	224	SCALES		2	PIT	900026000053203
	0505	1	1398	Mountain whitefish	352	416	SCALES		2	PIT	900026000146109
	0505	1	1399	Mountain whitefish	283	244	SCALES		0	PIT	900026000146217
	0505	1	1400	Mountain whitefish	297	318	SCALES		5	PIT	900026000053834
	0505	1	1401	Mountain whitefish	275	240	SCALES		0	PIT	900026000154568
	0505	1	1402	Mountain whitefish	217	134	SCALES		0		
	0506	1	1403	Rainbow trout	120	20	SCALES		0		
	0506	1	1404	Mountain whitefish	361	496	SCALES		0	PIT	900026000147741
	0506	1	1405	Mountain whitefish	286	244	SCALES	5	0	PIT	900026000056129
	0506	1	1406	Mountain whitefish	236	150	SCALES		0		
	0507	1	1407	Mountain whitefish	292	238	SCALES		2	PIT	965000000069579
	0507	1	1408	Mountain whitefish	428	786	SCALES		2	PIT	900026000054149
	0507	1	1409	Mountain whitefish	297	244	SCALES		2	PIT	965000000006564
	0507	1	1410	Bull trout	291	234	SCALES/FIN RAY	4	0	PIT	900026000147080

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag	
										Number	Colour
5											
	0507	1	1411	Mountain whitefish	350	424	SCALES		2	PIT	900026000146109
	0507	1	1412	Mountain whitefish	295	280	SCALES		0	PIT	900026000147913
	0507	1	1413	Mountain whitefish	253	202	SCALES		0	PIT	900026000154871
	0507	1	1414	Mountain whitefish	292	240	SCALES		2	PIT	965000000089464
	0507	1	1415	Mountain whitefish	275	240	SCALES		2	PIT	900026000146044
	0507	1	1416	Mountain whitefish	347	390	SCALES		2	PIT	965000000246577
	0507	1	1417	Mountain whitefish	267	210	SCALES		0	PIT	900026000146061
	0507	1	1418	Mountain whitefish	136	30	SCALES		0		
	0507	1	1419	Mountain whitefish	289	248	SCALES		2	PIT	900026000035272
	0507	1	1420	Mountain whitefish	274	236	SCALES		0	PIT	900026000148306
	0507	1	1421	Mountain whitefish	278	256	SCALES		0	PIT	900026000154982
	0507	1	1422	Mountain whitefish	356	430	SCALES		2	PIT	900026000060751
	0507	1	1423	Mountain whitefish	300	282	SCALES		0	PIT	900026000154795
	0507	1	1424	Mountain whitefish	277	202	SCALES	5	2	PIT	900026000052364
	0507	1	1425	Mountain whitefish	437	834	SCALES		2	PIT	900026000061424
	0507	1	1426	Mountain whitefish	303	278	SCALES		0	PIT	900026000147031
	0507	1	1427	Mountain whitefish	353	416	SCALES		2	PIT	900026000054923
	0507	1	1428	Mountain whitefish	266	210	SCALES		0	PIT	900026000146212
	0507	1	1429	Mountain whitefish	294	254	SCALES		0	PIT	900026000155261
	0507	1	1430	Mountain whitefish	266	210	SCALES	4	0	PIT	900026000053950
	0507	1	1431	Mountain whitefish	310	300	SCALES		2	PIT	965000000281557
	0507	1	1432	Mountain whitefish	315	264	SCALES		0	PIT	900026000147475
	0507	1	1433	Mountain whitefish	309	318	SCALES		2	PIT	900026000147607
	0507	1	1434	Mountain whitefish	283	244	SCALES		0	PIT	900026000148725
	0507	1	1435	Mountain whitefish	320	340	SCALES		0	PIT	900026000146260
	0509	1	1436	Mountain whitefish	352	418	SCALES		2	PIT	900026000146109
	0509	1	1437	Rainbow trout	402	520	SCALES		0	PIT	900026000063322
	0509	1	1438	Mountain whitefish	329	320	SCALES	7	0	PIT	900026000147067
	0509	1	1439	Mountain whitefish	286	236	SCALES	5	0	PIT	900026000053841
	0509	1	1440	Mountain whitefish	330	322	SCALES		0	PIT	900026000055230
	0509	1	1441	Mountain whitefish	408	668	SCALES		2	PIT	900026000054635
	0509	1	1442	Mountain whitefish	317	296	SCALES		2	PIT	965000000010099
	0509	1	1443	Mountain whitefish	395	452	SCALES		0	PIT	900026000155289
	0509	1	1444	Arctic grayling	326	400	SCALES	4	0	PIT	900026000147749
	0509	1	1445	Mountain whitefish	418	560	SCALES		2	PIT	965000000246225
	0509	1	1446	Mountain whitefish	378	454	SCALES		2	PIT	0A00710506
	0509	1	1447	Mountain whitefish	284	234	SCALES		0	PIT	900026000155198
	0509	1	1448	Mountain whitefish	280	226	SCALES		0	PIT	900026000084038
	0509	1	1449	Mountain whitefish	270	188	SCALES		0	PIT	900026000147910
	0509	1	1450	Mountain whitefish	275	226	SCALES		0	PIT	900026000148953
	0509	1	1451	Mountain whitefish	247	194	SCALES		0		
	0509	1	1452	Mountain whitefish	124	14	SCALES		0		
	0509	1	1453	Mountain whitefish	136	22	SCALES		0		
	0509	1	1454	Mountain whitefish	404	580	SCALES		0	PIT	900026000155362
	0509	1	1455	Mountain whitefish	303	288	SCALES		0	PIT	900026000147888
	0509	1	1456	Mountain whitefish	284	236	SCALES		2	PIT	965000000282426
	0509	1	1457	Mountain whitefish	276	188	SCALES		0	PIT	900026000155233
	0509	1	1458	Mountain whitefish	329	376	SCALES		0	PIT	900026000155406
	0509	1	1459	Mountain whitefish	287	260	SCALES		2	PIT	965000000090727
	0509	1	1460	Mountain whitefish	262	190	SCALES		0	PIT	900026000155398
	0509	1	1461	Mountain whitefish	244	144	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0509	1	1462	Arctic grayling	182	76	SCALES	1	0			
0509	1	1463	Mountain whitefish	246	166	SCALES		0			
0509	1	1464	Mountain whitefish	140	26	SCALES		0			
0509	1	1465	Mountain whitefish	76	4	SCALES	0	0			
0509	1	1466	Mountain whitefish	126	16	SCALES		0			
0509	1	1467	Mountain whitefish	284	220	SCALES		2	PIT	900026000052266	
0509	1	1468	Mountain whitefish	208	84	SCALES	2	0			
0509	1	1469	Mountain whitefish	316	318	SCALES		0	PIT	900026000154739	
0509	1	1470	Mountain whitefish	267	194	SCALES		0	PIT	900026000051612	
0509	1	1471	Mountain whitefish	285	240	SCALES		2	PIT	965000000282318	
0509	1	1472	Mountain whitefish	281	216	SCALES		2	PIT	900026000052399	
0509	1	1473	Mountain whitefish	307	272	SCALES		0	PIT	900026000147499	
0509	1	1474	Mountain whitefish	282	224	SCALES	5	2	PIT	900026000055626	
0509	1	1475	Mountain whitefish	228	108	SCALES	3	0			
0509	1	1476	Mountain whitefish	142	36	SCALES		0			
0509	1	1477	Bull trout	449	1028	FIN RAY	4	0	PIT	900026000146121	
0509	1	1478	Mountain whitefish	359	378	SCALES		0	PIT	900026000154544	
0509	1	1479	Mountain whitefish	297	270	SCALES		0	PIT	900026000053877	
0509	1	1480	Mountain whitefish	231	138	SCALES		0			
0509	1	1481	Mountain whitefish	253	176	SCALES	4	0	PIT	900026000063274	
0509	1	1482	Mountain whitefish	267	204	SCALES		2	PIT	900026000148078	
0509	1	1483	Mountain whitefish	136	24	SCALES		1			
0512	1	1484	Mountain whitefish	293	250	SCALES	6	0	PIT	900026000148833	
0512	1	1485	Mountain whitefish	420	656	SCALES		2	PIT	900026000054215	
0512	1	1486	Mountain whitefish	281	244	SCALES		0	PIT	900026000051517	
0512	1	1487	Mountain whitefish	318	268	SCALES		2	PIT	965000000280333	
0512	1	1488	Mountain whitefish	337	376	SCALES		2	PIT	900026000056217	
0512	1	1489	Mountain whitefish	330	314	SCALES		2	PIT	965000000010077	
0512	1	1490	Mountain whitefish	291	246	SCALES		0	PIT	900026000084108	
0512	1	1491	Mountain whitefish	325	270	SCALES		2	PIT	900026000064675	
0512	1	1492	Mountain whitefish	296	256	SCALES		0	PIT	900026000154888	
0512	1	1493	Mountain whitefish	352	352	SCALES		2	PIT	900026000057271	
0512	1	1494	Mountain whitefish	210	94	SCALES		0			
0512	1	1495	Mountain whitefish	341	280	SCALES		2	PIT	965000000248255	
0512	1	1496	Mountain whitefish	363	404	SCALES		0	PIT	900026000154687	
0512	1	1497	Mountain whitefish	298	294	SCALES		0	PIT	900026000155427	
0512	1	1498	Mountain whitefish	310	282	SCALES	6	0	PIT	900026000051634	
0512	1	1499	Mountain whitefish	346	338	SCALES		2	PIT	965000000282462	
0512	1	1500	Mountain whitefish	333	278	SCALES	7	0	PIT	900026000147277	
0512	1	1501	Mountain whitefish	193	66	SCALES		0			
0512	1	1502	Mountain whitefish	284	234	SCALES		0	PIT	900026000155335	
0512	1	1503	Mountain whitefish	290	238	SCALES		0	PIT	900026000148912	
0512	1	1504	Mountain whitefish	260	180	SCALES		0	PIT	900026000148493	
0512	1	1505	Mountain whitefish	296	256	SCALES		2	PIT	900026000055924	
0512	1	1506	Mountain whitefish	289	252	SCALES		0	PIT	900026000147983	
0512	1	1507	Mountain whitefish	128	20	SCALES		0			
0512	1	1508	Mountain whitefish	237	136	SCALES		0			
0512	1	1509	Mountain whitefish	235	132	SCALES		0			
0512	1	1510	Mountain whitefish	247	148	SCALES		0			
0512	1	1511	Mountain whitefish	145	36	SCALES		0			
0512	1	1512	Mountain whitefish	332	354	SCALES		2	PIT	965000000244507	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0512	1	1513	Mountain whitefish	264	192	SCALES		0	PIT	900026000148030	
0512	1	1514	Mountain whitefish	236	146	SCALES		0			
0512	1	1515	Mountain whitefish	186	72	SCALES		0			
0512	1	1516	Mountain whitefish	227	132	SCALES		0			
0512	1	1517	Mountain whitefish	142	32	SCALES		0			
0512	1	1518	Mountain whitefish	139	34	SCALES		0			
0512	1	1519	Mountain whitefish	269	194	SCALES		0	PIT	900026000154898	
0512	1	1520	Bull trout	219	104	SCALES/FIN RAY	2	0	PIT	900026000147320	
0510	1	1521	Bull trout	373	528	FIN RAY	4	0	PIT	900026000057006	
0510	1	1522	Mountain whitefish	348	346	SCALES		0	PIT	900026000155288	
0510	1	1523	Mountain whitefish	250	176	SCALES		0	PIT	900026000154865	
0510	1	1524	Mountain whitefish	387	438	SCALES		2	PIT	965000000282461	
0510	1	1525	Mountain whitefish	333	352	SCALES		2	PIT	965000000244507	
0510	1	1526	Mountain whitefish	344	338	SCALES		2	PIT	965000000084787	
0510	1	1527	Mountain whitefish	345	388	SCALES		2	PIT	965000000085528	
0510	1	1528	Mountain whitefish	337	390	SCALES	7	2	PIT	965000000248263	
0510	1	1529	Mountain whitefish	307	268	SCALES		0	PIT	900026000146060	
0510	1	1530	Mountain whitefish	302	252	SCALES		2	PIT	900026000060442	
0510	1	1531	Mountain whitefish	334	344	SCALES		0	PIT	900026000154646	
0510	1	1532	Mountain whitefish	296	298	SCALES		0	PIT	900026000155379	
0510	1	1533	Mountain whitefish	322	278	SCALES		2	PIT	900026000052756	
0510	1	1534	Mountain whitefish	304	298	SCALES		0	PIT	900026000146067	
0510	1	1535	Mountain whitefish	350	374	SCALES		0	PIT	900026000055904	
0510	1	1536	Arctic grayling	175	62	SCALES		1	0		
0510	1	1537	Mountain whitefish	323	258	SCALES		7	0	PIT	900026000147746
0510	1	1538	Mountain whitefish	333	318	SCALES		6	0	PIT	900026000155227
0510	1	1539	Mountain whitefish	340	338	SCALES		0	PIT	900026000083603	
0510	1	1540	Mountain whitefish	298	248	SCALES		0	PIT	900026000057198	
0510	1	1541	Mountain whitefish	365	464	SCALES		0	PIT	900026000083270	
0510	1	1542	Mountain whitefish	298	274	SCALES		2	PIT	965000000001554	
0510	1	1543	Mountain whitefish	328	316	SCALES		0	PIT	900026000147299	
0510	1	1544	Mountain whitefish	250	162	SCALES		0	PIT	900026000147056	
0510	1	1545	Mountain whitefish	287	252	SCALES		0	PIT	900026000155081	
0510	1	1546	Mountain whitefish	313	286	SCALES		0	PIT	900026000154977	
0510	1	1547	Mountain whitefish	323	288	SCALES		2	PIT	900026000147149	
0510	1	1548	Mountain whitefish	273	196	SCALES		5	PIT	900026000147323	
0510	1	1549	Mountain whitefish	279	208	SCALES		0	PIT	900026000148881	
0510	1	1550	Mountain whitefish	302	298	SCALES		6	0	PIT	900026000148156
0510	1	1551	Mountain whitefish	349	370	SCALES		0	PIT	900026000083728	
0510	1	1552	Mountain whitefish	385	490	SCALES		0	PIT	900026000154771	
0510	1	1553	Mountain whitefish	361	484	SCALES		0	PIT	900026000148308	
0510	1	1554	Mountain whitefish	362	412	SCALES		2	PIT	965000000070736	
0510	1	1555	Mountain whitefish	313	272	SCALES		2	PIT	965000000008564	
0510	1	1556	Mountain whitefish	327	340	SCALES		0	PIT	900026000063239	
0510	1	1557	Mountain whitefish	340	352	SCALES		0	PIT	900026000052339	
0510	1	1558	Mountain whitefish	273	186	SCALES		0	PIT	900026000146283	
0510	1	1559	Mountain whitefish	298	252	SCALES		0	PIT	900026000147982	
0510	1	1560	Mountain whitefish	319	274	SCALES		2	PIT	900026000056360	
0510	1	1561	Mountain whitefish	340	348	SCALES		0	PIT	900026000154552	
0510	1	1562	Mountain whitefish	315	274	SCALES		2	PIT	900026000052366	
0510	1	1563	Mountain whitefish	298	252	SCALES		2	PIT	965000000069726	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0510	1	1564	Mountain whitefish	319	278	SCALES		2	PIT	965000000282250
	0510	1	1565	Mountain whitefish	275	204	SCALES	4	2	PIT	900026000146182
	0510	1	1566	Mountain whitefish	330	334	SCALES		2	PIT	965000000110783
	0510	1	1567	Mountain whitefish	252	186	SCALES		0	PIT	900026000146230
	0510	1	1568	Mountain whitefish	335	292	SCALES		0	PIT	900026000154673
	0510	1	1569	Mountain whitefish	130	26	SCALES	1	0		
	0510	1	1570	Mountain whitefish	345	304	SCALES		2	PIT	900026000063196
	0510	1	1571	Mountain whitefish	273	212	SCALES		0	PIT	900026000146013
	0510	1	1572	Mountain whitefish	305	330	SCALES		0	PIT	900026000154591
	0511	1	1573	Mountain whitefish	287	286	SCALES		2	PIT	965000000069758
	0511	1	1574	Mountain whitefish	366	390	SCALES		0	PIT	900026000056953
	0511	1	1575	Mountain whitefish	315	278	SCALES		0	PIT	900026000147113
	0511	1	1576	Mountain whitefish	420	600	SCALES		2	PIT	0A00717507
	0511	1	1577	Mountain whitefish	279	210	SCALES		2	PIT	900026000061931
	0511	1	1578	Mountain whitefish	341	346	SCALES		0	PIT	900026000154670
	0511	1	1579	Mountain whitefish	352	322	SCALES		0	PIT	900026000147418
	0511	1	1580	Mountain whitefish	307	250	SCALES		2	PIT	900026000035000
	0511	1	1581	Mountain whitefish	312	274	SCALES		2	PIT	965000000245524
	0511	1	1582	Rainbow trout	280	260	SCALES		0	PIT	900026000055784
	0511	1	1583	Mountain whitefish	317	314	SCALES	6	2	PIT	965000000248311
	0511	1	1584	Mountain whitefish	277	208	SCALES		0	PIT	900026000147355
	0511	1	1585	Mountain whitefish	371	426	SCALES	9	0	PIT	900026000155107
	0511	1	1586	Mountain whitefish	338	278	SCALES		0	PIT	900026000147937
	0511	1	1587	Mountain whitefish	360	360	SCALES		2	PIT	900026000147621
	0511	1	1588	Mountain whitefish	290	220	SCALES	4	0	PIT	900026000147470
	0511	1	1589	Mountain whitefish	298	240	SCALES		2	PIT	965000000238984
	0511	1	1590	Mountain whitefish	270	244	SCALES		0	PIT	900026000154758
	0511	1	1591	Mountain whitefish	322	312	SCALES		2	PIT	965000000247648
	0511	1	1592	Mountain whitefish	292	258	SCALES		0	PIT	900026000146077
	0511	1	1593	Mountain whitefish	262	196	SCALES		0	PIT	900026000154689
	0511	1	1594	Mountain whitefish	277	210	SCALES		0	PIT	900026000083257
	0511	1	1595	Mountain whitefish	315	306	SCALES		2	PIT	900026000055979
	0511	1	1596	Mountain whitefish	355	372	SCALES		2	PIT	965000000247019
	0511	1	1597	Mountain whitefish	287	258	SCALES		2	PIT	900026000052322
	0511	1	1598	Mountain whitefish	272	194	SCALES		0	PIT	900026000154747
	0511	1	1599	Bull trout	351	480	SCALES/FIN RAY	4	0	PIT	900026000146083
	0511	1	1600	Mountain whitefish	343	374	SCALES	6	0	PIT	900026000083530
	0515	1	1601	Mountain whitefish	429	688	SCALES	11	0	PIT	900026000147285
	0515	1	1602	Mountain whitefish	476	892	SCALES	12	0	PIT	900026000146282
	0515	1	1603	Mountain whitefish	348	314	SCALES		2	PIT	965000000081836
	0515	1	1604	Mountain whitefish	299	232	SCALES		2	PIT	900026000055058
	0515	1	1605	Mountain whitefish	286	234	SCALES		0	PIT	900026000155316
	0515	1	1606	Mountain whitefish	383	476	SCALES		2	PIT	900026000035116
	0515	1	1607	Bull trout	286	266	SCALES/FIN RAY	3	0	PIT	900026000052271
	0515	1	1608	Mountain whitefish	332	348	SCALES		0	PIT	900026000146176
	0515	1	1609	Mountain whitefish	322	318	SCALES		2	PIT	965000000246509
	0515	1	1610	Mountain whitefish	346	362	SCALES		0	PIT	900026000055769
	0515	1	1611	Mountain whitefish	348	348	SCALES		2	PIT	965000000089130
	0515	1	1612	Mountain whitefish	365	416	SCALES	6	0	PIT	900026000061723
	0515	1	1613	Mountain whitefish	312	248	SCALES		0	PIT	900026000154594
	0515	1	1614	Mountain whitefish	353	392	SCALES		2	PIT	965000000246940

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0515	1	1615	Mountain whitefish	243	160	SCALES	4	0			
0515	1	1616	Mountain whitefish	297	244	SCALES		0	PIT	900026000147313	
0515	1	1617	Mountain whitefish	290	262	SCALES		2	PIT	900026000051366	
0515	1	1618	Mountain whitefish	289	250	SCALES		2	PIT	900026000056557	
0515	1	1619	Mountain whitefish	289	252	SCALES		0	PIT	900026000147945	
0515	1	1620	Mountain whitefish	312	304	SCALES		0	PIT	900026000057044	
0515	1	1621	Mountain whitefish	340	344	SCALES		2	PIT	900026000064852	
0515	1	1622	Mountain whitefish	290	230	SCALES		0	PIT	900026000146267	
0515	1	1623	Mountain whitefish	304	304	SCALES		0	PIT	900026000148349	
0515	1	1624	Mountain whitefish	314	286	SCALES		0	PIT	900026000148884	
0515	1	1625	Mountain whitefish	258	176	SCALES		0	PIT	900026000147024	
0515	1	1626	Mountain whitefish	313	278	SCALES		0	PIT	900026000148329	
0515	1	1627	Mountain whitefish	246	148	SCALES		0			
0515	1	1628	Mountain whitefish	193	84	SCALES		0			
0515	1	1629	Mountain whitefish	276	196	SCALES		0	PIT	900026000053373	
0515	1	1630	Mountain whitefish	264	178	SCALES	4	0	PIT	900026000154637	
0515	1	1631	Mountain whitefish	405	546	SCALES		2	PIT	0A00711134	
0515	1	1632	Mountain whitefish	319	288	SCALES		2	PIT	900026000147541	
0515	1	1633	Mountain whitefish	254	174	SCALES		0	PIT	900026000083876	
0515	1	1634	Mountain whitefish	240	128	SCALES		0			
0515	1	1635	Mountain whitefish	292	246	SCALES	5	0	PIT	900026000147310	
0515	1	1636	Mountain whitefish	323	300	SCALES		0	PIT	900026000155245	
0515	1	1637	Mountain whitefish	215	90	SCALES		0			
0515	1	1638	Mountain whitefish	315	270	SCALES		2	PIT	900026000053092	
0515	1	1639	Mountain whitefish	295	242	SCALES		0	PIT	900026000147793	
0515	1	1640	Bull trout	297	272	SCALES/FIN RAY	3	0	PIT	900026000055871	
0513	1	1641	Mountain whitefish	457	892	SCALES		0	PIT	900026000052070	
0513	1	1642	Mountain whitefish	301	272	SCALES		0	PIT	900026000148889	
0513	1	1643	Mountain whitefish	337	370	SCALES		0	PIT	900026000148571	
0513	1	1644	Mountain whitefish	332	256	SCALES		0	PIT	900026000155339	
0513	1	1645	Mountain whitefish	306	282	SCALES	5	2	PIT	900026000054966	
0513	1	1646	Mountain whitefish	297	270	SCALES		0	PIT	900026000146151	
0513	1	1647	Mountain whitefish	390	456	SCALES		2	PIT	965000000246749	
0513	1	1648	Mountain whitefish	303	278	SCALES		0	PIT	900026000155404	
0513	1	1649	Mountain whitefish	328	298	SCALES		0	PIT	900026000054030	
0513	1	1650	Mountain whitefish	344	322	SCALES		0	PIT	900026000147658	
0513	1	1651	Mountain whitefish	282	216	SCALES		0	PIT	900026000053811	
0513	1	1652	Mountain whitefish	288	246	SCALES		0	PIT	900026000148367	
0513	1	1653	Mountain whitefish	310	278	SCALES		0	PIT	900026000147821	
0513	1	1654	Mountain whitefish	218	122	SCALES		0			
0513	1	1655	Mountain whitefish	296	264	SCALES	5	0	PIT	900026000147094	
0513	1	1656	Mountain whitefish	382	490	SCALES		2	PIT	900026000035116	
0513	1	1657	Mountain whitefish	296	240	SCALES		0	PIT	900026000055150	
0513	1	1658	Mountain whitefish	260	194	SCALES		0	PIT	900026000148501	
0513	1	1659	Mountain whitefish	306	300	SCALES		2	PIT	965000000077775	
0513	1	1660	Mountain whitefish	384	400	SCALES		0	PIT	900026000154661	
0513	1	1661	Mountain whitefish	305	244	SCALES		0	PIT	900026000063160	
0513	1	1662	Mountain whitefish	364	428	SCALES		2	PIT	965000000077521	
0513	1	1663	Mountain whitefish	359	416	SCALES		0	PIT	900026000148255	
0513	1	1664	Mountain whitefish	268	208	SCALES		0	PIT	900026000035308	
0513	1	1665	Mountain whitefish	266	200	SCALES		0	PIT	900026000154921	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0514	1	1666	Mountain whitefish	427	682	SCALES		2	PIT	900026000147285
	0514	1	1667	Mountain whitefish	351	338	SCALES		0	PIT	900026000147052
	0514	1	1668	Mountain whitefish	312	260	SCALES		2	PIT	965000000087578
	0514	1	1669	Mountain whitefish	365	474	SCALES		0	PIT	900026000147252
	0514	1	1670	Mountain whitefish	348	342	SCALES		2	PIT	965000000071512
	0514	1	1671	Mountain whitefish	282	216	SCALES		0	PIT	900026000147270
	0514	1	1672	Mountain whitefish	283	216	SCALES		0	PIT	900026000147408
	0514	1	1673	Mountain whitefish	279	240	SCALES		0	PIT	900026000057492
	0514	1	1674	Mountain whitefish	300	236	SCALES		0	PIT	900026000154971
	0514	1	1675	Mountain whitefish	284	228	SCALES		0	PIT	900026000147527
	0514	1	1676	Mountain whitefish	322	332	SCALES		0	PIT	900026000147301
	0514	1	1677	Mountain whitefish	287	238	SCALES	4	0	PIT	900026000035317
	0514	1	1678	Mountain whitefish	276	202	SCALES		2	PIT	900026000056106
	0514	1	1679	Mountain whitefish	299	230	SCALES		0	PIT	900026000054041
	0514	1	1680	Mountain whitefish	255	176	SCALES		0	PIT	900026000154963
	0514	1	1681	Mountain whitefish	317	286	SCALES		2	PIT	900026000054002
	0514	1	1682	Mountain whitefish	297	260	SCALES		0	PIT	900026000155343
	0514	1	1683	Mountain whitefish	343	364	SCALES	6	2	PIT	900026000055769
	0514	1	1684	Mountain whitefish	324	264	SCALES	6	0	PIT	900026000056289
	0514	1	1685	Mountain whitefish	308	260	SCALES		0	PIT	900026000083990
	0508	1	1686	Mountain whitefish	335	302	SCALES		2	PIT	965000000089368
	0508	1	1687	Mountain whitefish	318	308	SCALES		2	PIT	900026000054057
	0508	1	1688	Mountain whitefish	342	398	SCALES		0	PIT	900026000083281
	0508	1	1689	Mountain whitefish	360	386	SCALES	7	0	PIT	900026000053507
	0508	1	1690	Mountain whitefish	323	288	SCALES		0	PIT	900026000155122
	0508	1	1691	Mountain whitefish	324	314	SCALES		2	PIT	900026000035248
	0508	1	1692	Mountain whitefish	302	294	SCALES		0	PIT	900026000154529
	0508	1	1693	Mountain whitefish	390	456	SCALES		0	PIT	900026000063700
	0508	1	1694	Mountain whitefish	350	406	SCALES	6	2	PIT	965000000246966
	0508	1	1695	Mountain whitefish	293	204	SCALES		0	PIT	900026000155419
	0508	1	1696	Mountain whitefish	421	746	SCALES		2	PIT	900026000148911
	0508	1	1697	Mountain whitefish	344	362	SCALES		2	PIT	965000000245062
	0508	1	1698	Mountain whitefish	385	354	SCALES		0		
	0508	1	1699	Mountain whitefish	338	294	SCALES		0	PIT	900026000083809
	0508	1	1700	Mountain whitefish	306	308	SCALES		0	PIT	900026000154565
	0508	1	1701	Mountain whitefish	322	300	SCALES	6	2	PIT	965000000245668
	0508	1	1702	Mountain whitefish	428	666	SCALES		0	PIT	900026000148916
	0508	1	1703	Mountain whitefish	151	38	SCALES		0		
	0508	1	1704	Mountain whitefish	142	30	SCALES		0		
	0508	1	1705	Mountain whitefish	372	444	SCALES		0	PIT	900026000154553
	0508	1	1706	Arctic grayling	302	342	SCALES	3	0	PIT	900026000147359
	0508	1	1707	Mountain whitefish	239	144	SCALES		0		
	0508	1	1708	Bull trout	264	196	SCALES/FIN RAY	3	0	PIT	900026000147794
	0508	1	1709	Mountain whitefish	290	232	SCALES		2	PIT	900026000054451
	0508	1	1710	Mountain whitefish	283	224	SCALES		0	PIT	900026000155262
	0508	1	1711	Mountain whitefish	316	318	SCALES		2	PIT	965000000281384
	0508	1	1712	Mountain whitefish	182	64	SCALES		0		
	0508	1	1713	Mountain whitefish	238	138	SCALES		0		
	0508	1	1714	Mountain whitefish	190	76	SCALES		0		
	0508	1	1715	Mountain whitefish	272	200	SCALES	5	0	PIT	900026000154834
	0508	1	1716	Mountain whitefish	153		SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0508	1	1717	Mountain whitefish	444	874	SCALES		0	PIT	900026000148415	
0508	1	1718	Arctic grayling	186	90	SCALES	1	0			
0508	1	1719	Mountain whitefish	188		SCALES		0			
0508	1	1720	Mountain whitefish	132	28	SCALES		0			
0508	1	1721	Mountain whitefish	266	196	SCALES		0	PIT	900026000148690	
0508	1	1722	Mountain whitefish	288	230	SCALES		0	PIT	900026000051757	
0508	1	1723	Mountain whitefish	228	90	SCALES		0			
0508	1	1724	Mountain whitefish	199	80	SCALES		0			
0508	1	1725	Mountain whitefish	298	278	SCALES		0	PIT	900026000054026	
0508	1	1726	Mountain whitefish	188	64	SCALES		0			
0503	2	2717	Mountain whitefish	235	132	SCALES	3	0			
0503	2	2718	Mountain whitefish	388	600	SCALES		0	PIT	900026000146290	
0503	2	2719	Mountain whitefish	262		SCALES		0	PIT	900026000154924	
0503	2	2720	Mountain whitefish	316	268	SCALES		2	PIT	965000000078229	
0503	2	2721	Mountain whitefish	249	150	SCALES		0			
0503	2	2722	Mountain whitefish	465	1075	FIN RAY	4	0	PIT	900026000148526	
0503	2	2723	Mountain whitefish	242	184	SCALES		0			
0503	2	2724	Mountain whitefish	296	260	SCALES		0	PIT	900026000146997	
0503	2	2725	Mountain whitefish	312	242	SCALES		0	PIT	900026000147381	
0503	2	2726	Mountain whitefish	240	150	SCALES		0			
0503	2	2727	Arctic grayling	281	260	SCALES	3	0	PIT	900026000053711	
0503	2	2728	Arctic grayling	325	402	SCALES	3	0	PIT	900026000155350	
0503	2	2729	Arctic grayling	389	614	SCALES	4	0	PIT	900026000155475	
0503	2	2730	Mountain whitefish	264	184	SCALES		0	PIT	900026000147109	
0503	2	2731	Mountain whitefish	294	240	SCALES		0	PIT	900026000155242	
0503	2	2732	Mountain whitefish	256	176	SCALES	5	0	PIT	900026000147215	
0503	2	2733	Mountain whitefish	257	186	SCALES		0	PIT	900026000147934	
0503	2	2734	Mountain whitefish	291	262	SCALES		0	PIT	900026000056059	
0503	2	2735	Mountain whitefish	255	176	SCALES		0	PIT	900026000147875	
0503	2	2736	Mountain whitefish	245	176	SCALES		0			
0503	2	2737	Mountain whitefish	287	222	SCALES		0	PIT	900026000155279	
0503	2	2738	Mountain whitefish	252	178	SCALES		0	PIT	900026000055304	
0503	2	2739	Mountain whitefish	279	218	SCALES		0	PIT	900026000053253	
0503	2	2740	Mountain whitefish	270	194	SCALES		2	PIT	900026000052364	
0503	2	2741	Mountain whitefish	290	264	SCALES		2	PIT	900026000155471	
0503	2	2742	Mountain whitefish	268	202	SCALES		0	PIT	900026000083247	
0503	2	2743	Mountain whitefish	264	190	SCALES		0	PIT	900026000147097	
0503	2	2744	Mountain whitefish	143	26	SCALES		0			
0503	2	2745	Mountain whitefish	129	22	SCALES		0			
0503	2	2746	Mountain whitefish	137	30	SCALES		0			
0503	2	2747	Mountain whitefish	146	30	SCALES		0			
0503	2	2748	Mountain whitefish	216	100	SCALES		0			
0503	2	2749	Mountain whitefish	314	314	SCALES		2	PIT	965000000007109	
0503	2	2750	Mountain whitefish	267	220	SCALES		0	PIT	900026000147652	
0503	2	2751	Mountain whitefish	256	174	SCALES		0	PIT	900026000147926	
0503	2	2752	Mountain whitefish	281	226	SCALES		0	PIT	900026000053910	
0503	2	2753	Mountain whitefish	300	262	SCALES		2	PIT	900026000055663	
0503	2	2754	Mountain whitefish	287	250	SCALES		2	PIT	9650000000281143	
0503	2	2755	Mountain whitefish	197	88	SCALES		0			
0503	2	2756	Mountain whitefish	140	22	SCALES		0			
0501	2	2757	Mountain whitefish	298	282	SCALES		2	PIT	965000000079732	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0501	2	2758	Mountain whitefish	286	222	SCALES		2	PIT	965000000281064
	0501	2	2759	Bull trout	315	322	SCALES/FIN RAY	4	0	PIT	900026000147172
	0501	2	2760	Mountain whitefish	488	1482	SCALES		0	PIT	900026000147812
	0501	2	2761	Mountain whitefish	371	464	SCALES		2	PIT	965000000086219
	0501	2	2762	Mountain whitefish	392	502	SCALES		0	PIT	900026000148679
	0501	2	2763	Mountain whitefish	256	238	SCALES		0	PIT	900026000148376
	0501	2	2764	Mountain whitefish	436	862	SCALES		2	PIT	965000000089649
	0501	2	2765	Mountain whitefish	277		SCALES		0	PIT	900026000147142
	0501	2	2766	Bull trout	224	122	SCALES/FIN RAY	2	0	PIT	900026000155168
	0501	2	2767	Mountain whitefish	279	244	SCALES		2	PIT	900026000084143
	0501	2	2768	Mountain whitefish	401	590	SCALES		2	PIT	900026000154950
	0501	2	2769	Mountain whitefish	280	248	SCALES		0	PIT	900026000147900
	0501	2	2770	Mountain whitefish	350	388	SCALES		0	PIT	900026000154852
	0501	2	2771	Bull trout	259	156	SCALES/FIN RAY	3	0	PIT	900026000083703
	0501	2	2772	Mountain whitefish	320	324	SCALES	5	0	PIT	900026000154642
	0504	2	2773	Mountain whitefish	488	1486	SCALES		2	PIT	900026000147812
	0504	2	2774	Mountain whitefish	254	182	SCALES		0	PIT	900026000084066
	0504	2	2775	Mountain whitefish	256	196	SCALES	4	2	PIT	900026000147990
	0504	2	2776	Mountain whitefish	278	246	SCALES		0	PIT	900026000154534
	0504	2	2777	Mountain whitefish	329	314	SCALES		2	PIT	965000000070922
	0504	2	2778	Mountain whitefish	213	98	SCALES		0		
	0504	2	2779	Mountain whitefish	365	410	SCALES		2	PIT	965000000245181
	0504	2	2780	Mountain whitefish	334	308	SCALES		2	PIT	900026000146016
	0504	2	2781	Mountain whitefish	242	156	SCALES		0		
	0504	2	2782	Mountain whitefish	308	284	SCALES		0	PIT	900026000053996
	0504	2	2783	Mountain whitefish	322	324	SCALES		0	PIT	900026000148585
	0504	2	2784	Mountain whitefish	229	132	SCALES		0		
	0504	2	2785	Mountain whitefish	229	138	SCALES		0		
	0504	2	2786	Mountain whitefish	270	210	SCALES		2	PIT	900026000055693
	0504	2	2787	Mountain whitefish	264	194	SCALES		0	PIT	900026000148173
	0504	2	2788	Mountain whitefish	294	238	SCALES		2	PIT	900026000063632
	0504	2	2789	Mountain whitefish	134	24	SCALES		0		
	0504	2	2790	Mountain whitefish	307	262	SCALES		2	PIT	965000000072872
	0504	2	2791	Mountain whitefish	311	270	SCALES		0	PIT	900026000148657
	0504	2	2792	Mountain whitefish	314	284	SCALES		2	PIT	900026000052046
	0504	2	2793	Mountain whitefish	231	126	SCALES		0		
	0504	2	2794	Mountain whitefish	236	148	SCALES		0		
	0504	2	2795	Mountain whitefish	224	134	SCALES		0		
	0504	2	2796	Mountain whitefish	371	430	SCALES		2	PIT	965000000244561
	0504	2	2797	Mountain whitefish	298	260	SCALES	5	0	PIT	900026000147092
	0504	2	2798	Mountain whitefish	233	130	SCALES		0		
	0504	2	2799	Mountain whitefish	236	130	SCALES		0		
	0504	2	2800	Mountain whitefish	273	204	SCALES		0	PIT	900026000155115
	0502	2	2801	Mountain whitefish	250	198	SCALES		0		
	0502	2	2802	Bull trout	402	648	FIN RAY	5	0	PIT	900026000154724
	0502	2	2803	Mountain whitefish	202	100	SCALES		0		
	0502	2	2804	Mountain whitefish	299	270	SCALES		0	PIT	900026000155240
	0502	2	2805	Mountain whitefish	432	810	SCALES		0	PIT	900026000155173
	0502	2	2806	Mountain whitefish	365	564	SCALES		0	PIT	900026000052531
	0502	2	2807	Mountain whitefish	270	222	SCALES		2	PIT	900026000155233
	0502	2	2808	Mountain whitefish	270	260	SCALES		0	PIT	900026000155106

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0502	2	2809	Mountain whitefish	247	208	SCALES		0			
0502	2	2810	Mountain whitefish	309	320	SCALES		2	PIT	900026000053996	
0502	2	2811	Mountain whitefish	329	392	SCALES		0	PIT	900026000146108	
0502	2	2812	Mountain whitefish	271	250	SCALES		2	PIT	900026000052891	
0502	2	2813	Mountain whitefish	352	474	SCALES		0	PIT	900026000154781	
0502	2	2814	Mountain whitefish	233	168	SCALES		0			
0502	2	2815	Mountain whitefish	149	40	SCALES		0			
0502	2	2816	Mountain whitefish	311	334	SCALES		0	PIT	900026000147248	
0502	2	2817	Mountain whitefish	412	618	SCALES		2	PIT	900026000051151	
0502	2	2818	Mountain whitefish	279	218	SCALES		0			
0502	2	2819	Mountain whitefish	315	348	SCALES		0	PIT	900026000147680	
0502	2	2820	Mountain whitefish	313	330	SCALES		2	PIT	900026000052046	
0502	2	2821	Mountain whitefish	230	166	SCALES	3	0			
0502	2	2822	Mountain whitefish	272	278	SCALES		2	PIT	900026000051929	
0502	2	2823	Mountain whitefish	292	278	SCALES		2	PIT	900026000155242	
0502	2	2824	Mountain whitefish	276	284	SCALES		0	PIT	900026000147659	
0502	2	2825	Mountain whitefish	280	278	SCALES	4	0	PIT	900026000148298	
0502	2	2826	Mountain whitefish	258	226	SCALES	4	2	PIT	900026000084066	
0502	2	2827	Mountain whitefish	341	364	SCALES		0	PIT	900026000053241	
0502	2	2828	Mountain whitefish	256	206	SCALES		0	PIT	900026000155468	
0502	2	2829	Mountain whitefish	240	192	SCALES		0			
0502	2	2830	Mountain whitefish	222	150	SCALES		0			
0502	2	2831	Mountain whitefish	190	76	SCALES		0			
0502	2	2832	Mountain whitefish	349	470	SCALES		2	PIT	965000000003391	
0502	2	2833	Mountain whitefish	334	356	SCALES		2	PIT	900026000146016	
0502	2	2834	Mountain whitefish	360	376	SCALES	7	0	PIT	900026000055227	
0502	2	2835	Mountain whitefish	152	45	SCALES		0			
0505	2	2836	Largescale sucker	540	1902	SCALES		0			
0505	2	2837	Rainbow trout	455	1058	SCALES		2	PIT	900026000053161	
0505	2	2838	Mountain whitefish	333	354	SCALES		0	PIT	900026000148110	
0505	2	2839	Mountain whitefish	346	372	SCALES		0	PIT	900026000147605	
0505	2	2840	Mountain whitefish	367	498	SCALES		2	PIT	965000000282806	
0505	2	2841	Mountain whitefish	282	202	SCALES		0			
0505	2	2842	Mountain whitefish	307	264	SCALES		2	PIT	900026000052176	
0505	2	2843	Mountain whitefish	298	256	SCALES		0	PIT	900026000154846	
0505	2	2844	Mountain whitefish	279	206	SCALES		0	PIT	900026000154894	
0505	2	2845	Mountain whitefish	265	188	SCALES		0	PIT	900026000147054	
0505	2	2846	Mountain whitefish	222	102	SCALES		0			
0505	2	2847	Mountain whitefish	273	182	SCALES		2	PIT	900026000147447	
0505	2	2848	Mountain whitefish	337	348	SCALES		2	PIT	965000000281241	
0505	2	2849	Mountain whitefish	156	46	SCALES		0			
0506	2	2850	Mountain whitefish	364	502	SCALES		2	PIT	900026000147741	
0506	2	2851	Mountain whitefish	367	430	SCALES		0	PIT	900026000148954	
0506	2	2852	Mountain whitefish	132	24	SCALES		0			
0506	2	2853	Mountain whitefish	319	310	SCALES		0	PIT	900026000155478	
0507	2	2854	Mountain whitefish	389	516	SCALES		0			
0507	2	2855	Mountain whitefish	330	360	SCALES		2	PIT	965000000082746	
0507	2	2856	Mountain whitefish	283	252	SCALES		0	PIT	900026000146172	
0507	2	2857	Mountain whitefish	280	244	SCALES		0	PIT	900026000147762	
0507	2	2858	Mountain whitefish	255	222	SCALES		0	PIT	900026000063418	
0507	2	2859	Mountain whitefish	355	476	SCALES		2	PIT	900026000061469	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0507	2	2860	Mountain whitefish	289	296	SCALES		2	PIT	900026000062009	
0507	2	2861	Mountain whitefish	377	332	SCALES		2	PIT	900026000147607	
0507	2	2862	Mountain whitefish	275	226	SCALES		0	PIT	900026000146223	
0507	2	2863	Mountain whitefish	300	282	SCALES		0	PIT	900026000147928	
0507	2	2864	Mountain whitefish	284	254	SCALES		0	PIT	900026000055916	
0507	2	2865	Mountain whitefish	141	36	SCALES		0			
0507	2	2866	Mountain whitefish	337	384	SCALES		2	PIT	900026000148482	
0507	2	2867	Mountain whitefish	206	104	SCALES		0			
0507	2	2868	Mountain whitefish	265	186	SCALES		0	PIT	900026000155031	
0507	2	2869	Mountain whitefish	195	104	SCALES		0			
0507	2	2870	Mountain whitefish	133	28	SCALES		0			
0507	2	2871	Mountain whitefish	352	410	SCALES		0	PIT	900026000147859	
0507	2	2872	Mountain whitefish	298	308	SCALES		2	PIT	900026000055443	
0507	2	2873	Mountain whitefish	280	264	SCALES		0	PIT	900026000155043	
0507	2	2874	Mountain whitefish	343	430	SCALES		2	PIT	965000000247332	
0507	2	2875	Mountain whitefish	291	260	SCALES		0	PIT	900026000084067	
0507	2	2876	Mountain whitefish	265	232	SCALES		0	PIT	900026000147063	
0507	2	2877	Mountain whitefish	204	104	SCALES		0			
0507	2	2878	Mountain whitefish	285	250	SCALES		0	PIT	900026000147573	
0507	2	2879	Mountain whitefish	271	242	SCALES		0	PIT	900026000155001	
0507	2	2880	Mountain whitefish	312	274	SCALES		2	PIT	965000000071460	
0507	2	2881	Mountain whitefish	264	230	SCALES		2	PIT	900026000146061	
0507	2	2882	Mountain whitefish	232	146	SCALES		0			
0509	2	2883	Mountain whitefish	379	410	SCALES		2	PIT	900026000065264	
0509	2	2884	Mountain whitefish	265	208	SCALES		2	PIT	900026000051612	
0509	2	2885	Mountain whitefish	301	292	SCALES	5	0	PIT	900026000155374	
0509	2	2886	Mountain whitefish	299	278	SCALES	6	2	PIT	900026000147928	
0509	2	2887	Mountain whitefish	252	182	SCALES		0	PIT	900026000188909	
0509	2	2888	Mountain whitefish	288	254	SCALES		2	PIT	900026000060696	
0509	2	2889	Mountain whitefish	199	90	SCALES		0			
0509	2	2890	Mountain whitefish	291	242	SCALES		2	PIT	900026000061660	
0509	2	2891	Mountain whitefish	311	300	SCALES		0	PIT	900026000188725	
0509	2	2892	Mountain whitefish	129	26	SCALES		0			
0509	2	2893	Mountain whitefish	330	346	SCALES		0	PIT	900026000188860	
0509	2	2894	Mountain whitefish	311	338	SCALES		0	PIT	900026000184036	
0509	2	2895	Mountain whitefish	260	204	SCALES		0	PIT	900026000188459	
0509	2	2896	Mountain whitefish	278	220	SCALES		0	PIT	900026000188410	
0509	2	2897	Mountain whitefish	274	216	SCALES		0	PIT	900026000188309	
0509	2	2898	Mountain whitefish	265	202	SCALES		0	PIT	900026000188772	
0509	2	2899	Mountain whitefish	232	142	SCALES	4	0			
0509	2	2900	Mountain whitefish	198	84	SCALES		0			
0509	2	2901	Mountain whitefish	200	94	SCALES		0			
0509	2	2902	Mountain whitefish	276	238	SCALES		0	PIT	900026000188496	
0509	2	2903	Mountain whitefish	324	318	SCALES	5	0	PIT	900026000188850	
0509	2	2904	Mountain whitefish	249	176	SCALES		0			
0509	2	2905	Mountain whitefish	304	274	SCALES		0	PIT	900026000188512	
0509	2	2906	Mountain whitefish	314	256	SCALES		0	PIT	900026000188551	
0509	2	2907	Mountain whitefish	277	216	SCALES		0	PIT	900026000188710	
0509	2	2908	Mountain whitefish	280	210	SCALES		0	PIT	900026000188339	
0509	2	2909	Mountain whitefish	139	26	SCALES		0			
0512	2	2910	Bull trout	766	5095	FIN RAY	10	0	PIT	900026000184829	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0512	2	2911	Mountain whitefish	356	372	SCALES		2	PIT	965000000247019	
0512	2	2912	Mountain whitefish	311	292	SCALES		2	PIT	900026000188725	
0512	2	2913	Mountain whitefish	278	216	SCALES		0	PIT	900026000188682	
0512	2	2914	Mountain whitefish	283	226	SCALES		0	PIT	900026000188889	
0512	2	2915	Mountain whitefish	287	258	SCALES		0	PIT	900026000184105	
0512	2	2916	Mountain whitefish	251	166	SCALES		0	PIT	900026000184316	
0512	2	2917	Mountain whitefish	301	314	SCALES		0	PIT	900026000184221	
0512	2	2918	Mountain whitefish	294	240	SCALES		2	PIT	965000000087287	
0512	2	2919	Mountain whitefish	341	332	SCALES		2	PIT	900026000147679	
0512	2	2920	Mountain whitefish	312	282	SCALES		2	PIT	965000000084032	
0512	2	2921	Mountain whitefish	276	210	SCALES		0	PIT	900026000188865	
0512	2	2922	Mountain whitefish	273	248	SCALES		0	PIT	900026000188125	
0512	2	2923	Mountain whitefish	297	216	SCALES		0	PIT	900026000183977	
0512	2	2924	Mountain whitefish	287	196	SCALES		0	PIT	900026000188285	
0512	2	2925	Mountain whitefish	246	194	SCALES	4	0			
0512	2	2926	Mountain whitefish	132	24	SCALES		0			
0512	2	2927	Mountain whitefish	259	174	SCALES		0	PIT	900026000188891	
0512	2	2928	Mountain whitefish	305	292	SCALES		0	PIT	900026000184121	
0512	2	2929	Mountain whitefish	298	226	SCALES		2	PIT	900026000147221	
0512	2	2930	Mountain whitefish	253	178	SCALES		0	PIT	900026000184739	
0512	2	2931	Mountain whitefish	281	234	SCALES		0	PIT	900026000184022	
0510	2	2932	Northern pike	516	2060	FIN RAY		0			
0510	2	2933	Mountain whitefish	324	280	SCALES		2	PIT	0A00705868	
0510	2	2934	Mountain whitefish	338	432	SCALES		2	PIT	900026000053972	
0510	2	2935	Mountain whitefish	278	216	SCALES		0	PIT	900026000188372	
0510	2	2936	Mountain whitefish	301	304	SCALES		0	PIT	900026000188251	
0510	2	2937	Mountain whitefish	308	304	SCALES		2	PIT	965000000087815	
0510	2	2938	Mountain whitefish	338	382	SCALES		0	PIT	965000000245027	
0510	2	2939	Mountain whitefish	196	94	SCALES		0			
0510	2	2940	Mountain whitefish	332	354	SCALES		2	PIT	900026000154646	
0510	2	2941	Mountain whitefish	253	186	SCALES		0	PIT	900026000188072	
0510	2	2942	Mountain whitefish	340	314	SCALES		0	PIT	900026000188013	
0510	2	2943	Mountain whitefish	267	202	SCALES		0	PIT	900026000188243	
0510	2	2944	Mountain whitefish	277	236	SCALES	5	0	PIT	900026000188679	
0510	2	2945	Mountain whitefish	268	210	SCALES		0	PIT	900026000188069	
0510	2	2946	Mountain whitefish	459	1254	SCALES		0	PIT	900026000184318	
0510	2	2947	Mountain whitefish	311	394	SCALES		2	PIT	900026000154977	
0510	2	2948	Mountain whitefish	347	390	SCALES		2	PIT	4D00027535	
0510	2	2949	Mountain whitefish	322	266	SCALES		0	PIT	900026000188280	
0510	2	2950	Mountain whitefish	277	240	SCALES	6	2	PIT	900026000148497	
0510	2	2951	Mountain whitefish	323	258	SCALES		2	PIT	900026000147746	
0510	2	2952	Mountain whitefish	252	162	SCALES		0	PIT	900026000188047	
0510	2	2953	Mountain whitefish	287	256	SCALES		0	PIT	900026000188562	
0510	2	2954	Mountain whitefish	293	224	SCALES		2	PIT	965000000072546	
0510	2	2955	Mountain whitefish	264	192	SCALES		0	PIT	900026000188289	
0510	2	2956	Mountain whitefish	292	250	SCALES		0	PIT	900026000188306	
0510	2	2957	Mountain whitefish	272	192	SCALES		2	PIT	900026000147323	
0510	2	2958	Mountain whitefish	153	40	SCALES		0			
0510	2	2959	Mountain whitefish	301	300	SCALES		2	PIT	900026000147855	
0510	2	2960	Mountain whitefish	339	400	SCALES		0	PIT	900026000187979	
0510	2	2961	Mountain whitefish	297	284	SCALES	5	0	PIT	900026000188765	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0510	2	2962	Mountain whitefish	287	242	SCALES		0	PIT	900026000188554	
0510	2	2963	Mountain whitefish	336	314	SCALES	6	0	PIT	900026000184055	
0510	2	2964	Mountain whitefish	266		SCALES		0	PIT	900026000184064	
0510	2	2965	Mountain whitefish	307	288	SCALES		2	PIT	900026000056606	
0510	2	2966	Mountain whitefish	304	310	SCALES		0	PIT	900026000184950	
0510	2	2967	Mountain whitefish	277	226	SCALES		0	PIT	900026000188318	
0510	2	2968	Mountain whitefish	214	108	SCALES		0			
0510	2	2969	Mountain whitefish	245	168	SCALES		0			
0510	2	2970	Mountain whitefish	266	228	SCALES		0	PIT	900026000188721	
0510	2	2971	Mountain whitefish	309	296	SCALES		2	PIT	965000000072847	
0510	2	2972	Mountain whitefish	283	244	SCALES		0	PIT	900026000188286	
0510	2	2973	Mountain whitefish	323	298	SCALES		0	PIT	900026000184530	
0510	2	2974	Mountain whitefish	275	242	SCALES		0	PIT	900026000188922	
0510	2	2975	Mountain whitefish	280	226	SCALES		0	PIT	900026000188356	
0511	2	2976	Mountain whitefish	251	186	SCALES		0	PIT	900026000184709	
0511	2	2977	Mountain whitefish	335	362	SCALES	8	0	PIT	900026000188244	
0511	2	2978	Mountain whitefish	315	284	SCALES	7	2	PIT	965000000237811	
0511	2	2979	Mountain whitefish	295	242	SCALES		2	PIT	965000000078077	
0511	2	2980	Mountain whitefish	256	168	SCALES		0	PIT	900026000188342	
0511	2	2981	Bull trout	382	534	FIN RAY	4	0	PIT	900026000188321	
0515	2	2982	Bull trout	305	276	FIN RAY	3	0	PIT	900026000184330	
0515	2	2983	Mountain whitefish	321	274	SCALES		2	PIT	965000000245759	
0515	2	2984	Mountain whitefish	271	196	SCALES		0	PIT	900026000188757	
0515	2	2985	Mountain whitefish	376	426	SCALES		0	PIT	900026000184900	
0515	2	2986	Mountain whitefish	265	192	SCALES		0	PIT	900026000188641	
0515	2	2987	Mountain whitefish	342	280	SCALES	6	2	PIT	900026000052099	
0515	2	2988	Mountain whitefish	311	254	SCALES		2	PIT	900026000061426	
0515	2	2989	Mountain whitefish	347	372	SCALES	6	0	PIT	900026000188502	
0515	2	2990	Mountain whitefish	242	160	SCALES		0			
0515	2	2991	Mountain whitefish	291	262	SCALES		0	PIT	900026000184892	
0515	2	2992	Mountain whitefish	357	376	SCALES		2	PIT	965000000247436	
0513	2	2993	Bull trout	562	1978	FIN RAY	5	0	PIT	900026000155247	
0513	2	2994	Mountain whitefish	323	318	SCALES		0	PIT	900026000148966	
0513	2	2995	Mountain whitefish	343	376	SCALES		2	PIT	900026000188502	
0513	2	2996	Mountain whitefish	273	208	SCALES		0	PIT	900026000154599	
0513	2	2997	Mountain whitefish	351	406	SCALES		0	PIT	900026000147148	
0513	2	2998	Mountain whitefish	308	274	SCALES		2	PIT	900026000148172	
0513	2	2999	Mountain whitefish	202	82	SCALES	2	0			
0513	2	3000	Mountain whitefish	334	296	SCALES		2	PIT	965000000092835	
0513	2	3001	Mountain whitefish	388	444	SCALES		2	PIT	965000000246749	
0513	2	3002	Mountain whitefish	346	334	SCALES		2	PIT	965000000077396	
0513	2	3003	Mountain whitefish	349	378	SCALES		0	PIT	900026000155165	
0513	2	3004	Mountain whitefish	286	220	SCALES		2	PIT	900026000146087	
0513	2	3005	Mountain whitefish	320	342	SCALES		0	PIT	900026000147644	
0513	2	3006	Mountain whitefish	327	264	SCALES		2	PIT	900026000056289	
0514	2	3007	Mountain whitefish	245	172	SCALES		0			
0514	2	3008	Mountain whitefish	286	230	SCALES		2	PIT	965000000069001	
0514	2	3009	Mountain whitefish	374	438	SCALES		0	PIT	900026000148162	
0514	2	3010	Mountain whitefish	412	722	SCALES		0	PIT	900026000188103	
0514	2	3011	Mountain whitefish	292	260	SCALES		2	PIT	900026000055152	
0514	2	3012	Mountain whitefish	152	32	SCALES		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0508	2	3013	Mountain whitefish	363	484	SCALES		0	PIT	900026000188658	
0508	2	3014	Mountain whitefish	334	304	SCALES		0	PIT	900026000053512	
0508	2	3015	Mountain whitefish	280	232	SCALES		0	PIT	900026000154751	
0508	2	3016	Mountain whitefish	278	216	SCALES		2	PIT	900026000051354	
0508	2	3017	Mountain whitefish	359	432	SCALES		0	PIT	900026000147390	
0508	2	3018	Mountain whitefish	329	254	SCALES		0	PIT	900026000147765	
0508	2	3019	Mountain whitefish	238	138	SCALES		0			
0508	2	3020	Mountain whitefish	350	334	SCALES		2	PIT	965000000074886	
0508	2	3021	Mountain whitefish	287	244	SCALES		0	PIT	900026000147072	
0508	2	3022	Mountain whitefish	283	250	SCALES		0	PIT	900026000155437	
0508	2	3023	Mountain whitefish	336	320	SCALES		0	PIT	900026000188548	
0508	2	3024	Mountain whitefish	265	196	SCALES		0	PIT	900026000188455	
0508	2	3025	Mountain whitefish	342	314	SCALES		0	PIT	900026000188035	
0508	2	3026	Mountain whitefish	432	612	SCALES		2	PIT	965000000246660	
0508	2	3027	Mountain whitefish	258	182	SCALES		0	PIT	900026000188468	
0508	2	3028	Mountain whitefish	255	186	SCALES		0	PIT	900026000147771	
0508	2	3029	Mountain whitefish	157	42	SCALES		0			
0508	2	3030	Mountain whitefish	315	260	SCALES		0	PIT	900026000052133	
0503	3	3927	Mountain whitefish	291	236	SCALES	6	2	PIT	965000000078442	
0503	3	3928	Mountain whitefish	343	330	SCALES		2	PIT	965000000244622	
0503	3	3929	Mountain whitefish	293	240	SCALES		2	PIT	965000000072491	
0503	3	3930	Mountain whitefish	314	332	SCALES		0	PIT	900026000186597	
0503	3	3931	Mountain whitefish	322	310	SCALES		0	PIT	900026000186561	
0503	3	3932	Mountain whitefish	286	226	SCALES		0	PIT	900026000186899	
0503	3	3933	Mountain whitefish	322	330	SCALES		0	PIT	900026000186845	
0503	3	3934	Mountain whitefish	230	126	SCALES	3	0			
0503	3	3935	Mountain whitefish	273	282	SCALES		0	PIT	900026000186313	
0503	3	3936	Mountain whitefish	237	138	SCALES		0			
0503	3	3937	Mountain whitefish	262	198	SCALES	4	0	PIT	900026000186216	
0503	3	3938	Mountain whitefish	226	104	SCALES		0			
0503	3	3939	Mountain whitefish	317	310	SCALES		0	PIT	900026000188698	
0503	3	3940	Mountain whitefish	227	122	SCALES		0			
0503	3	3941	Mountain whitefish	290	250	SCALES	5	0	PIT	900026000186757	
0503	3	3942	Mountain whitefish	279	222	SCALES		0	PIT	900026000186019	
0503	3	3943	Mountain whitefish	349	382	SCALES		2	PIT	900026000054028	
0503	3	3944	Mountain whitefish	297	260	SCALES		0	PIT	900026000186031	
0503	3	3945	Mountain whitefish	284	240	SCALES		2	PIT	900026000056566	
0503	3	3946	Mountain whitefish	282	254	SCALES		0	PIT	900026000188722	
0503	3	3947	Mountain whitefish	250	198	SCALES		0	PIT	900026000186383	
0503	3	3948	Mountain whitefish	312	320	SCALES		0	PIT	900026000188703	
0503	3	3949	Mountain whitefish	251	168	SCALES		0	PIT	900026000185959	
0503	3	3950	Mountain whitefish	264	176	SCALES		2	PIT	900026000084002	
0503	3	3951	Mountain whitefish	146	36	SCALES		0			
0501	3	3952	Mountain whitefish	288	274	SCALES		0	PIT	900026000186726	
0501	3	3953	Mountain whitefish	263	192	SCALES		0	PIT	900026000188617	
0501	3	3954	Mountain whitefish	316	316	SCALES		0	PIT	900026000186551	
0501	3	3955	Mountain whitefish	213	98	SCALES		0			
0501	3	3956	Mountain whitefish	260	186	SCALES		0	PIT	900026000186573	
0501	3	3957	Mountain whitefish	324	348	SCALES		0	PIT	900026000188800	
0501	3	3958	Mountain whitefish	293	352	SCALES		0	PIT	900026000186339	
0501	3	3959	Mountain whitefish	248	178	SCALES		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0501	3	3960	Mountain whitefish	270	208	SCALES		2	PIT	900026000147850	
0501	3	3961	Mountain whitefish	321	314	SCALES		2	FLOY	13814	WHITE
0501	3	3962	Mountain whitefish	237	136	SCALES	4	0			
0501	3	3963	Mountain whitefish	260	216	SCALES		0	PIT	900026000186792	
0501	3	3964	Mountain whitefish	288	270	SCALES		0	PIT	900026000186720	
0501	3	3965	Mountain whitefish	278	220	SCALES		0	PIT	900026000186905	
0501	3	3966	Mountain whitefish	350	332	SCALES		0	PIT	900026000186718	
0501	3	3967	Mountain whitefish	309	278	SCALES		2	PIT	965000000087128	
0501	3	3968	Mountain whitefish	305	294	SCALES		0	PIT	900026000186442	
0501	3	3969	Mountain whitefish	446	886	SCALES		2	PIT	965000000247508	
0501	3	3970	Mountain whitefish	208	100	SCALES		0			
0501	3	3971	Mountain whitefish	288	244	SCALES		0	PIT	900026000188521	
0501	3	3972	Mountain whitefish	285	240	SCALES		0	PIT	900026000188095	
0501	3	3973	Mountain whitefish	260	258	SCALES		0	PIT	900026000186607	
0501	3	3974	Mountain whitefish	294	266	SCALES		0	PIT	900026000186556	
0501	3	3975	Mountain whitefish	262	230	SCALES		0	PIT	900026000186322	
0501	3	3976	Mountain whitefish	282	260	SCALES		0	PIT	900026000186857	
0501	3	3977	Mountain whitefish	293	288	SCALES		0	PIT	900026000186447	
0501	3	3978	Mountain whitefish	292	274	SCALES		0	PIT	900026000188045	
0501	3	3979	Mountain whitefish	324	334	SCALES		2	PIT	900026000065025	
0501	3	3980	Mountain whitefish	324	326	SCALES		2	PIT	900026000186561	
0501	3	3981	Mountain whitefish	324	366	SCALES		0	PIT	900026000186121	
0501	3	3982	Mountain whitefish	306	416	SCALES		0	PIT	900026000186398	
0501	3	3983	Mountain whitefish	269	230	SCALES		2	PIT	900026000146076	
0501	3	3984	Mountain whitefish	285	298	SCALES		2	PIT	900026000064762	
0501	3	3985	Mountain whitefish	337	284	SCALES		2	PIT	965000000066254	
0501	3	3986	Mountain whitefish	248	196	SCALES		0			
0502	3	3987	Mountain whitefish	207	88	SCALES		0			
0502	3	3988	Mountain whitefish	209	104	SCALES	3	0			
0502	3	3989	Mountain whitefish	302	310	SCALES		2	PIT	900026000083760	
0502	3	3990	Mountain whitefish	367	420	SCALES		0	PIT	900026000186505	
0502	3	3991	Mountain whitefish	202	98	SCALES		0			
0502	3	3992	Mountain whitefish	289	262	SCALES		0	PIT	900026000188452	
0502	3	3993	Mountain whitefish	280	232	SCALES		0	PIT	900026000186145	
0502	3	3994	Mountain whitefish	292	274	SCALES		0	PIT	900026000186326	
0502	3	3995	Mountain whitefish	222	128	SCALES		0			
0502	3	3996	Mountain whitefish	312	320	SCALES		0	PIT	900026000154801	
0502	3	3997	Mountain whitefish	350	454	SCALES		0	PIT	900026000188921	
0502	3	3998	Mountain whitefish	276	240	SCALES		0	PIT	900026000188806	
0502	3	3999	Mountain whitefish	292	256	SCALES		2	PIT	900026000065137	
0502	3	4000	Mountain whitefish	262	214	SCALES		0	PIT	900026000186076	
0502	3	4001	Mountain whitefish	290	342	SCALES		0	PIT	900026000188620	
0502	3	4002	Mountain whitefish	274	234	SCALES		0	PIT	900026000188504	
0502	3	4003	Mountain whitefish	92	8	SCALES		0			
0502	3	4004	Mountain whitefish	347	376	SCALES	7	2	PIT	900026000155420	
0502	3	4005	Mountain whitefish	339	390	SCALES	6	0	PIT	900026000186870	
0502	3	4006	Mountain whitefish	323	348	SCALES		2	PIT	900026000154510	
0502	3	4007	Mountain whitefish	300	288	SCALES		0	PIT	900026000186927	
0502	3	4008	Mountain whitefish	278	240	SCALES		0	PIT	900026000186617	
0502	3	4009	Mountain whitefish	281	256	SCALES		0	PIT	900026000188769	
0502	3	4010	Mountain whitefish	282	212	SCALES		0	PIT	900026000188415	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0502	3	4011	Mountain whitefish	267	202	SCALES		0	PIT	900026000186035	
0502	3	4012	Mountain whitefish	188	80	SCALES		0			
0502	3	4013	Mountain whitefish	252	174	SCALES		0	PIT	900026000186253	
0502	3	4014	Mountain whitefish	279	220	SCALES		2	PIT	900026000147337	
0502	3	4015	Mountain whitefish	240	168	SCALES		0			
0502	3	4016	Mountain whitefish	401	490	SCALES		0	PIT	900026000186175	
0502	3	4017	Mountain whitefish	336	382	SCALES	7	0	PIT	900026000188723	
0502	3	4018	Mountain whitefish	378	428	SCALES		0	PIT	900026000186077	
0502	3	4019	Mountain whitefish	295	314	SCALES		0	PIT	900026000186877	
0502	3	4020	Mountain whitefish	193	98	SCALES		0			
0502	3	4021	Mountain whitefish	314	352	SCALES		2	PIT	900026000063401	
0502	3	4022	Mountain whitefish	254	170	SCALES		0	PIT	900026000186640	
0502	3	4023	Mountain whitefish	269	220	SCALES		0	PIT	900026000188167	
0502	3	4024	Mountain whitefish	246	156	SCALES		0			
0502	3	4025	Mountain whitefish	355	478	SCALES		0	PIT	900026000186564	
0502	3	4026	Mountain whitefish	289	246	SCALES		2	PIT	900026000146280	
0502	3	4027	Mountain whitefish	349	352	SCALES		2	PIT	900026000054908	
0502	3	4028	Mountain whitefish	265	206	SCALES		0	PIT	900026000188752	
0502	3	4029	Mountain whitefish	280	250	SCALES		2	PIT	900026000055595	
0502	3	4030	Mountain whitefish	248	184	SCALES		0			
0502	3	4031	Mountain whitefish	284	260	SCALES		0	PIT	900026000186868	
0502	3	4032	Mountain whitefish	287	274	SCALES	4	0	PIT	900026000186211	
0502	3	4033	Mountain whitefish	277	238	SCALES	4	0	PIT	900026000186066	
0502	3	4034	Mountain whitefish	144	34	SCALES		0			
0502	3	4035	Mountain whitefish	330	424	SCALES		2	PIT	965000000090408	
0502	3	4036	Mountain whitefish	339	334	SCALES		0	PIT	900026000188250	
0502	3	4037	Mountain whitefish	267	220	SCALES		0	PIT	900026000186498	
0502	3	4038	Mountain whitefish	277	232	SCALES		0	PIT	900026000185974	
0502	3	4039	Mountain whitefish	261	192	SCALES		0	PIT	900026000188503	
0502	3	4040	Mountain whitefish	243	158	SCALES		0			
0502	3	4041	Mountain whitefish	274	218	SCALES		2	PIT	900026000147974	
0502	3	4042	Mountain whitefish	303	252	SCALES		2	PIT	900026000147206	
0502	3	4043	Mountain whitefish	278	240	SCALES		0	PIT	900026000186056	
0502	3	4044	Mountain whitefish	203	80	SCALES		0			
0502	3	4045	Mountain whitefish	294	352	SCALES		0	PIT	900026000186871	
0502	3	4046	Mountain whitefish	282	264	SCALES		0	PIT	900026000186252	
0502	3	4047	Mountain whitefish	314	258	SCALES		0	PIT	900026000188443	
0502	3	4048	Mountain whitefish	153	40	SCALES	1	0			
0502	3	4049	Mountain whitefish	207	106	SCALES		0			
0502	3	4050	Mountain whitefish	411	546	SCALES		0	PIT	900026000186546	
0502	3	4051	Mountain whitefish	262	194	SCALES		0	PIT	900026000188331	
0502	3	4052	Mountain whitefish	158	46	SCALES		0			
0502	3	4053	Mountain whitefish	215	116	SCALES		0			
0502	3	4054	Mountain whitefish	293	250	SCALES		2	PIT	900026000065092	
0502	3	4055	Mountain whitefish	288	260	SCALES		0	PIT	900026000186872	
0502	3	4056	Mountain whitefish	310	304	SCALES		0	PIT	900026000186337	
0504	3	4057	Mountain whitefish	346	348	SCALES		2	PIT	900026000054908	
0504	3	4058	Mountain whitefish	353	374	SCALES		2	PIT	965000000238141	
0504	3	4059	Mountain whitefish	296	258	SCALES		0	PIT	900026000186535	
0504	3	4060	Mountain whitefish	270	220	SCALES	4	0	PIT	900026000188004	
0504	3	4061	Mountain whitefish	292	248	SCALES		0	PIT	900026000188246	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0504	3	4062	Mountain whitefish	153	38	SCALES	1	0			
0504	3	4063	Mountain whitefish	293	238	SCALES		2	PIT	900026000051831	
0504	3	4064	Mountain whitefish	333	378	SCALES		2	PIT	900026000188723	
0504	3	4065	Mountain whitefish	378	522	SCALES		0	PIT	900026000186433	
0504	3	4066	Mountain whitefish	365	420	SCALES		2	PIT	900026000186505	
0504	3	4067	Mountain whitefish	262	190	SCALES		0	PIT	900026000188530	
0504	3	4068	Mountain whitefish	313	282	SCALES		2	PIT	900026000053996	
0504	3	4069	Mountain whitefish	329	368	SCALES		0	PIT	900026000188172	
0504	3	4070	Mountain whitefish	285	206	SCALES		0	PIT	900026000186133	
0504	3	4071	Mountain whitefish	369	396	SCALES		2	PIT	965000000247303	
0504	3	4072	Mountain whitefish	312	304	SCALES		2	PIT	900026000186337	
0504	3	4073	Mountain whitefish	348	344	SCALES		2	PIT	965000000246489	
0504	3	4074	Mountain whitefish	272	242	SCALES		0	PIT	900026000188294	
0504	3	4075	Mountain whitefish	366	396	SCALES		0	PIT	900026000186819	
0504	3	4076	Mountain whitefish	274	194	SCALES		2	PIT	965000000006013	
0504	3	4077	Mountain whitefish	322	348	SCALES	6	2	PIT	900026000188800	
0504	3	4078	Mountain whitefish	248	156	SCALES		0			
0504	3	4079	Mountain whitefish	252	186	SCALES		0	PIT	900026000186948	
0504	3	4080	Mountain whitefish	300	260	SCALES		2	PIT	900026000051628	
0504	3	4081	Mountain whitefish	264	186	SCALES		2	PIT	900026000188503	
0504	3	4082	Mountain whitefish	317	288	SCALES		2	PIT	900026000055195	
0504	3	4083	Mountain whitefish	203	84	SCALES		0			
0505	3	4084	Mountain whitefish	486	1226	SCALES		0	PIT	900026000186936	
0505	3	4085	Mountain whitefish	294	272	SCALES	5	0	PIT	900026000186165	
0505	3	4086	Mountain whitefish	264	202	SCALES		0	PIT	900026000186895	
0505	3	4087	Mountain whitefish	284	220	SCALES		0	PIT	900026000186036	
0505	3	4088	Mountain whitefish	259	176	SCALES		0	PIT	900026000188500	
0505	3	4089	Mountain whitefish	387	510	SCALES		0	PIT	900026000186129	
0505	3	4090	Mountain whitefish	297	264	SCALES		0	PIT	900026000186131	
0505	3	4091	Mountain whitefish	287	268	SCALES		0	PIT	900026000186882	
0505	3	4092	Mountain whitefish	338	390	SCALES		2	PIT	900026000186870	
0505	3	4093	Mountain whitefish	289	254	SCALES		0	PIT	900026000186136	
0505	3	4094	Mountain whitefish	277	266	SCALES		0	PIT	900026000188114	
0505	3	4095	Mountain whitefish	214	114	SCALES		0			
0505	3	4096	Mountain whitefish	268	238	SCALES		0	PIT	900026000188817	
0505	3	4097	Mountain whitefish	293	270	SCALES		0	PIT	900026000186738	
0505	3	4098	Mountain whitefish	309	306	SCALES		0	PIT	900026000186796	
0505	3	4099	Mountain whitefish	266	226	SCALES		0	PIT	900026000186014	
0505	3	4100	Mountain whitefish	244	144	SCALES		0			
0505	3	4101	Mountain whitefish	287	252	SCALES		0	PIT	900026000186323	
0505	3	4102	Mountain whitefish	268	242	SCALES		0	PIT	900026000188827	
0505	3	4103	Mountain whitefish	268	176	SCALES		0	PIT	900026000188636	
0505	3	4104	Mountain whitefish	280	236	SCALES		0	PIT	900026000186941	
0506	3	4105	Bull trout	554	2006			2	PIT	900026000083412	
0506	3	4106	Mountain whitefish	290	294	SCALES		0	PIT	900026000186098	
0506	3	4107	Mountain whitefish	290	258	SCALES		0	PIT	900026000186245	
0506	3	4108	Mountain whitefish	276	216	SCALES		2	PIT	900026000154894	
0506	3	4109	Mountain whitefish	309	312	SCALES		0	PIT	900026000186450	
0506	3	4110	Mountain whitefish	258	178	SCALES		0	PIT	900026000186390	
0506	3	4111	Mountain whitefish	344	406	SCALES		2	PIT	965000000282349	
0506	3	4112	Mountain whitefish	267	200	SCALES		0	PIT	900026000186664	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Tag		
									Type	Number	Colour
5											
	0506	3	4113	Mountain whitefish	338	340	SCALES		0	PIT	900026000187968
	0506	3	4114	Mountain whitefish	379	342	SCALES/OTOLITH		9		
	0507	3	4115	Mountain whitefish	292	256	SCALES		0	PIT	900026000188675
	0507	3	4116	Mountain whitefish	197	92	SCALES		0		
	0507	3	4117	Mountain whitefish	263	202	SCALES		0	PIT	900026000186781
	0507	3	4118	Mountain whitefish	199	98	SCALES	2	0		
	0507	3	4119	Mountain whitefish	318	344	SCALES		0	PIT	900026000188173
	0507	3	4120	Mountain whitefish	147	38	SCALES		0		
	0507	3	4121	Mountain whitefish	341	348	SCALES		0	PIT	900026000186006
	0507	3	4122	Mountain whitefish	269	254	SCALES		0	PIT	900026000185982
	0507	3	4123	Mountain whitefish	310	310	SCALES		0	PIT	900026000188621
	0507	3	4124	Mountain whitefish	347	436	SCALES		0	PIT	900026000186163
	0507	3	4125	Mountain whitefish	291	236	SCALES		2	PIT	965000000282187
	0507	3	4126	Mountain whitefish	258	214	SCALES		0	PIT	900026000186901
	0507	3	4127	Mountain whitefish	333	384	SCALES		0	PIT	900026000186807
	0507	3	4128	Bull trout	233	138	SCALES/FIN RAY	3	0	PIT	900026000186362
	0507	3	4129	Mountain whitefish	325	304	SCALES		2	PIT	900026000065489
	0507	3	4130	Mountain whitefish	260	216	SCALES		0	PIT	900026000186465
	0507	3	4131	Mountain whitefish	220	120	SCALES		0		
	0507	3	4132	Mountain whitefish	319	338	SCALES		0	PIT	900026000186396
	0507	3	4133	Mountain whitefish	303	248	SCALES		0	PIT	900026000188312
	0507	3	4134	Mountain whitefish	283	290	SCALES		2	PIT	900026000083777
	0507	3	4135	Mountain whitefish	265	218	SCALES		2	PIT	900026000155398
	0507	3	4136	Mountain whitefish	257	190	SCALES		0	PIT	900026000188431
	0507	3	4137	Mountain whitefish	264	220	SCALES		0	PIT	900026000188937
	0507	3	4138	Mountain whitefish	148	40	SCALES	1	0		
	0507	3	4139	Mountain whitefish	283	244	SCALES		2	PIT	965000000281064
	0507	3	4140	Mountain whitefish	273	258	SCALES		0	PIT	900026000186838
	0507	3	4141	Mountain whitefish	204	110	SCALES		0		
	0507	3	4142	Mountain whitefish	257	202	SCALES		0	PIT	900026000186758
	0507	3	4143	Mountain whitefish	257	196	SCALES		2	PIT	900026000055546
	0507	3	4144	Mountain whitefish	226	146	SCALES		0		
	0507	3	4145	Mountain whitefish	199	108	SCALES		0		
	0507	3	4146	Mountain whitefish	268	242	SCALES	4	2	PIT	900026000146061
	0507	3	4147	Mountain whitefish	215	126	SCALES		0		
	0507	3	4148	Mountain whitefish	317	352	SCALES		0	PIT	900026000147079
	0507	3	4149	Mountain whitefish	149	40	SCALES		0		
	0509	3	4150	Mountain whitefish	291	232	SCALES		0	PIT	900026000147939
	0509	3	4151	Mountain whitefish	350	382	SCALES		0	PIT	900026000146262
	0509	3	4152	Mountain whitefish	306	302	SCALES	5	0	PIT	900026000188450
	0509	3	4153	Mountain whitefish	266	194	SCALES		2	PIT	900026000057524
	0509	3	4154	Mountain whitefish	280	228	SCALES		2	PIT	900026000148287
	0509	3	4155	Mountain whitefish	373	438	SCALES		2	PIT	0A00710506
	0509	3	4156	Rainbow trout	399	570	SCALES		2	PIT	900026000063322
	0509	3	4157	Mountain whitefish	279	206	SCALES		0	PIT	900026000186853
	0509	3	4158	Mountain whitefish	275	224	SCALES	4	0	PIT	900026000188611
	0509	3	4159	Mountain whitefish	316	352	SCALES		0	PIT	900026000188942
	0509	3	4160	Mountain whitefish	457	890	SCALES		2	PIT	900026000064009
	0509	3	4161	Mountain whitefish	313	310	SCALES		2	PIT	965000000085193
	0509	3	4162	Mountain whitefish	271	194	SCALES		2	PIT	900026000056232
	0509	3	4163	Mountain whitefish	247	166	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0509	3	4164	Mountain whitefish	258	170	SCALES		0	PIT	900026000188714
	0509	3	4165	Mountain whitefish	317	306	SCALES		2	PIT	965000000010099
	0509	3	4166	Mountain whitefish	238	160	SCALES		0		
	0509	3	4167	Mountain whitefish	259	180	SCALES		0	PIT	900026000188824
	0509	3	4168	Mountain whitefish	315	348	SCALES		0	PIT	900026000186275
	0509	3	4169	Mountain whitefish	296	210	SCALES		2	PIT	965000000282393
	0509	3	4170	Mountain whitefish	252	196	SCALES		0	PIT	900026000186179
	0509	3	4171	Mountain whitefish	162	46	SCALES		0		
	0509	3	4172	Mountain whitefish	248	158	SCALES		0		
	0509	3	4173	Mountain whitefish	288	240	SCALES		2	PIT	965000000282426
	0509	3	4174	Mountain whitefish	269	192	SCALES		2	PIT	900026000155233
	0509	3	4175	Mountain whitefish	231	146	SCALES		0		
	0509	3	4176	Mountain whitefish	282	240	SCALES		0	PIT	900026000148886
	0509	3	4177	Mountain whitefish	248	172	SCALES		0		
	0509	3	4178	Mountain whitefish	269	194	SCALES		0	PIT	900026000147259
	0509	3	4179	Mountain whitefish	243	144	SCALES		0		
	0509	3	4180	Mountain whitefish	275	202	SCALES		0	PIT	900026000188215
	0509	3	4181	Mountain whitefish	295	256	SCALES		2	PIT	965000000090727
	0509	3	4182	Mountain whitefish	150	36	SCALES		0		
	0509	3	4183	Mountain whitefish	162	42	SCALES		0		
	0509	3	4184	Mountain whitefish	250	152	SCALES		0	PIT	900026000186464
	0509	3	4185	Mountain whitefish	164	48	SCALES		0		
	0509	3	4186	Mountain whitefish	280	238	SCALES		0	PIT	900026000186692
	0509	3	4187	Mountain whitefish	218	106	SCALES		0		
	0509	3	4188	Mountain whitefish	285	228	SCALES		0	PIT	900026000186939
	0509	3	4189	Mountain whitefish	152	40	SCALES		0		
	0509	3	4190	Mountain whitefish	163	50	SCALES		0		
	0512	3	4191	Mountain whitefish	333	324	SCALES		2	PIT	965000000067216
	0512	3	4192	Mountain whitefish	352	386	SCALES		2	PIT	965000000092714
	0512	3	4193	Mountain whitefish	338	322	SCALES		2	PIT	965000000245327
	0512	3	4194	Mountain whitefish	282	248	SCALES		0	PIT	900026000054131
	0512	3	4195	Mountain whitefish	290	244	SCALES		2	PIT	900026000084108
	0512	3	4196	Mountain whitefish	267	226	SCALES		0	PIT	900026000147154
	0512	3	4197	Mountain whitefish	318	304	SCALES		2	PIT	965000000245505
	0512	3	4198	Mountain whitefish	246	156	SCALES		0		
	0512	3	4199	Mountain whitefish	281	222	SCALES		0	PIT	900026000147848
	0512	3	4200	Mountain whitefish	282	250	SCALES		0	PIT	900026000147265
	0512	3	4201	Mountain whitefish	281	234	SCALES		0	PIT	900026000053980
	0512	3	4202	Mountain whitefish	272	202	SCALES		0	PIT	900026000155044
	0512	3	4203	Mountain whitefish	268	204	SCALES		2	PIT	900026000055371
	0512	3	4204	Mountain whitefish	257	174	SCALES		0	PIT	900026000051317
	0512	3	4205	Mountain whitefish	265	200	SCALES		0	PIT	900026000147592
	0512	3	4206	Mountain whitefish	305	286	SCALES		2	PIT	900026000184121
	0512	3	4207	Mountain whitefish	278	174	SCALES		0	PIT	900026000147856
	0512	3	4208	Mountain whitefish	204	86	SCALES		0		
	0512	3	4209	Mountain whitefish	410	490	SCALES/OTOLITH		9		
	0510	3	4210	Arctic grayling	307	338	SCALES	5	0		
	0510	3	4211	Mountain whitefish	339	338	SCALES		0	PIT	900026000155163
	0510	3	4212	Mountain whitefish	268	228	SCALES		0	PIT	900026000052143
	0510	3	4213	Mountain whitefish	266	208	SCALES		2	PIT	900026000053500
	0510	3	4214	Mountain whitefish	290	268	SCALES		2	PIT	900026000054886

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0510	3	4215	Mountain whitefish	278	226	SCALES		2	PIT	900026000052987
	0510	3	4216	Mountain whitefish	268	202	SCALES		2	PIT	900026000155044
	0510	3	4217	Bull trout	296	276	FIN RAY	3	0	PIT	900026000147233
	0510	3	4218	Mountain whitefish	278	236	SCALES		0	PIT	900026000148870
	0510	3	4219	Mountain whitefish	359	350	SCALES		2	PIT	965000000247019
	0510	3	4220	Mountain whitefish	320	282	SCALES		2	PIT	900026000052303
	0510	3	4221	Mountain whitefish	272	202	SCALES		2	PIT	900026000065443
	0510	3	4222	Mountain whitefish	279	230	SCALES		2	PIT	900026000053908
	0510	3	4223	Mountain whitefish	262	194	SCALES		0	PIT	900026000154962
	0510	3	4224	Mountain whitefish	260	180	SCALES		0	PIT	900026000051862
	0510	3	4225	Mountain whitefish	288	228	SCALES		0	PIT	900026000148812
	0510	3	4226	Mountain whitefish	298	282	SCALES		2	PIT	900026000061814
	0510	3	4227	Mountain whitefish	272	220	SCALES		0	PIT	900026000147849
	0510	3	4228	Mountain whitefish	282	260	SCALES		2	PIT	900026000054131
	0510	3	4229	Mountain whitefish	282	218	SCALES	4	0	PIT	900026000147060
	0510	3	4230	Mountain whitefish	274	226	SCALES		0	PIT	900026000147219
	0510	3	4231	Mountain whitefish	290	256	SCALES		0	PIT	900026000154665
	0510	3	4232	Mountain whitefish	283	236	SCALES		0	PIT	900026000154597
	0510	3	4233	Mountain whitefish	300	282	SCALES	4	2	PIT	965000000089772
	0510	3	4234	Mountain whitefish	332	410	SCALES		0	PIT	900026000146286
	0510	3	4235	Mountain whitefish	336	382	SCALES		2	PIT	965000000065449
	0510	3	4236	Mountain whitefish	393	568	SCALES		2	PIT	900026000051589
	0510	3	4237	Mountain whitefish	316	376	SCALES		0	PIT	900026000154719
	0510	3	4238	Mountain whitefish	310	328	SCALES		2	PIT	965000000084055
	0510	3	4239	Mountain whitefish	305	298	SCALES		2	PIT	900026000188251
	0510	3	4240	Mountain whitefish	305	304	SCALES	5	2	PIT	900026000146067
	0510	3	4241	Mountain whitefish	353	328	SCALES		0	PIT	900026000148502
	0510	3	4242	Mountain whitefish	260	178	SCALES/OTOLITH		9		
	0510	3	4243	Mountain whitefish	285	240	SCALES/OTOLITH		9		
	0511	3	4244	Mountain whitefish	294	278	SCALES		0	PIT	900026000155486
	0511	3	4245	Mountain whitefish	350	314	SCALES		2	PIT	900026000147418
	0511	3	4246	Mountain whitefish	334	294	SCALES		2	PIT	900026000035241
	0511	3	4247	Mountain whitefish	321	270	SCALES		2	PIT	900026000055359
	0511	3	4248	Mountain whitefish	313	318	SCALES		0	PIT	900026000186563
	0511	3	4249	Mountain whitefish	273	176	SCALES		0	PIT	900026000186089
	0511	3	4250	Mountain whitefish	272	210	SCALES		2	PIT	900026000147849
	0511	3	4251	Bull trout	447	1068	FIN RAY	5	0	PIT	900026000188295
	0511	3	4252	Mountain whitefish	287	282	SCALES/OTOLITH		9		
	0515	3	4253	Mountain whitefish	377	484	SCALES		0	PIT	900026000186618
	0515	3	4254	Mountain whitefish	282	230	SCALES		2	PIT	900026000146196
	0515	3	4255	Mountain whitefish	243	162	SCALES		0		
	0515	3	4256	Mountain whitefish	292	260	SCALES		2	PIT	900026000053957
	0515	3	4257	Mountain whitefish	275	206	SCALES	5	0	PIT	900026000186067
	0515	3	4258	Mountain whitefish	285	242	SCALES		2	PIT	900026000051212
	0515	3	4259	Mountain whitefish	232	132	SCALES		0		
	0515	3	4260	Mountain whitefish	253	172	SCALES		0	PIT	900026000188822
	0515	3	4261	Mountain whitefish	314	260	SCALES	5	0	PIT	900026000186537
	0515	3	4262	Mountain whitefish	253	176	SCALES		0	PIT	900026000188134
	0515	3	4263	Mountain whitefish	262	202	SCALES		0	PIT	900026000186929
	0515	3	4264	Mountain whitefish	316	412	SCALES		0	PIT	900026000188735
	0515	3	4265	Mountain whitefish	310	326	SCALES		0	PIT	900026000186681

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour	
5												
	0515	3	4266	Mountain whitefish	284	240	SCALES		0	PIT	900026000186243	
	0515	3	4267	Mountain whitefish	285	244	SCALES		2	PIT	900026000051524	
	0515	3	4268	Mountain whitefish	339	352	SCALES		0	PIT	900026000185983	
	0513	3	4269	Mountain whitefish	377	494	SCALES	7	2	PIT	900026000186618	
	0513	3	4270	Mountain whitefish	398	450	SCALES		2	PIT	900026000147366	
	0513	3	4271	Mountain whitefish	398	434	SCALES		2	FLOY	14074	WHITE
	0513	3	4272	Mountain whitefish	320	320	SCALES		2	PIT	900026000063447	
	0513	3	4273	Mountain whitefish	315	302	SCALES		0	PIT	900026000188579	
	0513	3	4274	Mountain whitefish	270	198	SCALES		0	PIT	900026000188494	
	0513	3	4275	Mountain whitefish	356	364	SCALES		2	PIT	965000000281723	
	0513	3	4276	Mountain whitefish	278	228	SCALES		2	PIT	900026000147107	
	0513	3	4277	Mountain whitefish	286	250	SCALES		0	PIT	900026000186947	
	0513	3	4278	Mountain whitefish	384	498	SCALES		2	PIT	965000000077261	
	0513	3	4279	Mountain whitefish	256	168	SCALES		0	PIT	900026000188057	
	0513	3	4280	Mountain whitefish	309	278	SCALES		2	PIT	965000000110193	
	0513	3	4281	Mountain whitefish	340	400	SCALES		0	PIT	900026000188608	
	0513	3	4282	Mountain whitefish	358	310	SCALES		0	PIT	900026000186721	
	0513	3	4283	Mountain whitefish	295	264	SCALES		2	PIT	900026000053957	
	0513	3	4284	Mountain whitefish	223	128	SCALES		0			
	0513	3	4285	Mountain whitefish	291	280	SCALES		0	PIT	900026000188914	
	0513	3	4286	Mountain whitefish	369	328	SCALES		0			
	0513	3	4287	Mountain whitefish	344	290	SCALES		2	PIT	965000000238615	
	0513	3	4288	Mountain whitefish	289	236	SCALES		2	PIT	900026000146087	
	0513	3	4289	Mountain whitefish	189	70	SCALES		0			
	0513	3	4290	Mountain whitefish	293	192	SCALES	5	2	PIT	965000000078081	
	0513	3	4291	Mountain whitefish	355	440	SCALES		0	PIT	900026000186917	
	0513	3	4292	Mountain whitefish	248	168	SCALES	4	0			
	0513	3	4293	Mountain whitefish	412	648	SCALES		0	PIT	900026000185986	
	0513	3	4294	Mountain whitefish	342	300	SCALES		2	PIT	900026000060896	
	0513	3	4295	Mountain whitefish	284	244	SCALES		2	PIT	900026000051524	
	0513	3	4296	Mountain whitefish	282	234	SCALES		2	PIT	900026000146196	
	0513	3	4297	Mountain whitefish	282	236	SCALES		2	PIT	900026000054834	
	0513	3	4298	Mountain whitefish	146	36	SCALES		0			
	0513	3	4299	Mountain whitefish	242	158	SCALES		0			
	0513	3	4300	Mountain whitefish	161	48	SCALES		0			
	0513	3	4301	Mountain whitefish	359	366	SCALES/OTOLITH		9			
	0514	3	4302	Mountain whitefish	351	360	SCALES		0	PIT	900026000186256	
	0514	3	4303	Mountain whitefish	296	260	SCALES		0	PIT	900026000186856	
	0514	3	4304	Mountain whitefish	297	230	SCALES		0	PIT	900026000186926	
	0514	3	4305	Mountain whitefish	281	226	SCALES	5	0	PIT	900026000186063	
	0514	3	4306	Mountain whitefish	293	206	SCALES		2	PIT	900026000054986	
	0508	3	4307	Mountain whitefish	313	278	SCALES		2	PIT	965000000084032	
	0508	3	4308	Mountain whitefish	332	246	SCALES		0	PIT	900026000188802	
	0508	3	4309	Mountain whitefish	292	294	SCALES		0	PIT	900026000186883	
	0508	3	4310	Mountain whitefish	195	80	SCALES		0			
	0508	3	4311	Mountain whitefish	144	34	SCALES		0			
	0508	3	4312	Mountain whitefish	293	236	SCALES		2	PIT	900026000057151	
	0508	3	4313	Mountain whitefish	305	264	SCALES	6	0	PIT	900026000188089	
	0508	3	4314	Mountain whitefish	361	418	SCALES	7	0	PIT	900026000188929	
	0508	3	4315	Mountain whitefish	211	104	SCALES		0			
	0508	3	4316	Mountain whitefish	350	328	SCALES		2	PIT	965000000074886	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0508	3	4317	Mountain whitefish	213	106	SCALES		0			
0508	3	4318	Mountain whitefish	293	256	SCALES		0	PIT	900026000188797	
0508	3	4319	Mountain whitefish	285	238	SCALES		0	PIT	900026000186794	
0508	3	4320	Mountain whitefish	433	600	SCALES	11	2	PIT	965000000246660	
0508	3	4321	Mountain whitefish	290	236	SCALES		2	PIT	900026000054451	
0508	3	4322	Mountain whitefish	259	216	SCALES		0	PIT	900026000186042	
0508	3	4323	Mountain whitefish	335	322	SCALES		2	PIT	900026000188548	
0508	3	4324	Mountain whitefish	347	392	SCALES		2	PIT	965000000246179	
0508	3	4325	Mountain whitefish	303	280	SCALES		2	PIT	900026000052594	
0508	3	4326	Mountain whitefish	333	372	SCALES		0	PIT	900026000186170	
0508	3	4327	Mountain whitefish	288	250	SCALES		0	PIT	900026000186499	
0508	3	4328	Mountain whitefish	148	40	SCALES		0			
0508	3	4329	Mountain whitefish	274	258	SCALES		0	PIT	900026000186566	
0508	3	4330	Mountain whitefish	235	140	SCALES		0			
0508	3	4331	Mountain whitefish	250	168	SCALES		0	PIT	900026000186626	
0508	3	4332	Mountain whitefish	268	222	SCALES		0	PIT	900026000185961	
0508	3	4333	Mountain whitefish	283	238	SCALES		2	PIT	965000000090622	
0508	3	4334	Mountain whitefish	300	228	SCALES		0	PIT	900026000188808	
0508	3	4335	Mountain whitefish	218	98	SCALES		0			
0508	3	4336	Mountain whitefish	298	256	SCALES		0	PIT	900026000188628	
0508	3	4337	Mountain whitefish	235	138	SCALES		0			
0508	3	4338	Mountain whitefish	268	238	SCALES		0	PIT	900026000187982	
0503	4	5706	Mountain whitefish	295	264	SCALES		2	PIT	900026000051271	
0503	4	5707	Mountain whitefish	392	532	SCALES		0	PIT	900026000147087	
0503	4	5708	Mountain whitefish	248	170	SCALES		0			
0503	4	5709	Mountain whitefish	215	136	SCALES		0			
0503	4	5710	Mountain whitefish	285	282	SCALES		0	PIT	900026000155223	
0503	4	5711	Mountain whitefish	279	212	SCALES		0	PIT	900026000055186	
0503	4	5712	Mountain whitefish	250	178	SCALES	4	0	PIT	900026000148942	
0503	4	5713	Mountain whitefish	250	230	SCALES		0	PIT	900026000154546	
0503	4	5714	Mountain whitefish	301	236	SCALES		2	PIT	900026000055631	
0503	4	5715	Mountain whitefish	335	362	SCALES		0	PIT	900026000055736	
0503	4	5716	Mountain whitefish	290	314	SCALES	5	2	PIT	965000000092706	
0503	4	5717	Mountain whitefish	293	292	SCALES		0	PIT	900026000154658	
0503	4	5718	Mountain whitefish	288	236	SCALES		2	PIT	900026000056566	
0503	4	5719	Mountain whitefish	301	308	SCALES		2	PIT	900026000083760	
0503	4	5720	Mountain whitefish	242	132	SCALES		0			
0503	4	5721	Mountain whitefish	308	292	SCALES	5	2	PIT	900026000147367	
0503	4	5722	Mountain whitefish	320	338	SCALES		0	PIT	900026000147303	
0503	4	5723	Mountain whitefish	227	136	SCALES		0			
0503	4	5724	Mountain whitefish	250	178	SCALES		0	PIT	900026000055991	
0503	4	5725	Mountain whitefish	314	314	SCALES		0	PIT	900026000055487	
0503	4	5726	Mountain whitefish	293	284	SCALES		2	PIT	900026000034724	
0503	4	5727	Mountain whitefish	364	416	SCALES		2	PIT	900026000035187	
0503	4	5728	Mountain whitefish	287	302	SCALES		0	PIT	900026000148139	
0503	4	5729	Mountain whitefish	267	230	SCALES		0	PIT	900026000147038	
0503	4	5730	Mountain whitefish	287	208	SCALES		0	PIT	900026000155402	
0503	4	5731	Mountain whitefish	287	244	SCALES		2	PIT	965000000072533	
0503	4	5732	Mountain whitefish	284	236	SCALES		2	PIT	9650000000281056	
0503	4	5733	Mountain whitefish	328	392	SCALES		0	PIT	900026000154609	
0503	4	5734	Mountain whitefish	269	240	SCALES		0	PIT	900026000146995	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0503	4	5735	Mountain whitefish	347	424	SCALES		0	PIT	900026000147312	
0503	4	5736	Mountain whitefish	267	252	SCALES	5	0	PIT	900026000155331	
0503	4	5737	Mountain whitefish	343	430	SCALES		0	PIT	900026000051460	
0503	4	5738	Mountain whitefish	320	334	SCALES		0	PIT	900026000154749	
0501	4	5739	Mountain whitefish	389	486	SCALES		2	PIT	965000000073188	
0501	4	5740	Mountain whitefish	320	402	SCALES		0	PIT	900026000055213	
0501	4	5741	Mountain whitefish	240	168	SCALES		0			
0501	4	5742	Mountain whitefish	367	408	SCALES		2	PIT	900026000035187	
0501	4	5743	Mountain whitefish	156	40	SCALES		0			
0501	4	5744	Mountain whitefish	356	366	SCALES		0	PIT	900026000154803	
0501	4	5745	Mountain whitefish	327	332	SCALES		2	PIT	900026000188800	
0501	4	5746	Mountain whitefish	406	648	SCALES		0	PIT	900026000054799	
0501	4	5747	Mountain whitefish	317	284	SCALES		2	PIT	900026000052046	
0501	4	5748	Mountain whitefish	268	200	SCALES	5	0	PIT	900026000055299	
0501	4	5749	Mountain whitefish	294	266	SCALES		0	PIT	900026000154512	
0501	4	5750	Mountain whitefish	293	288	SCALES		2	PIT	900026000186212	
0501	4	5751	Mountain whitefish	306	322	SCALES		2	PIT	965000000006699	
0501	4	5752	Mountain whitefish	253	198	SCALES		0	PIT	900026000155400	
0501	4	5753	Mountain whitefish	270	252	SCALES		0	PIT	900026000147246	
0501	4	5754	Mountain whitefish	257	170	SCALES	4	2	PIT	900026000147215	
0501	4	5755	Mountain whitefish	213	98	SCALES		0			
0501	4	5756	Mountain whitefish	285	208	SCALES		2	PIT	965000000072231	
0501	4	5757	Mountain whitefish	264	206	SCALES		0	PIT	900026000154660	
0501	4	5758	Mountain whitefish	286	244	SCALES		2	PIT	900026000188095	
0501	4	5759	Mountain whitefish	274	240	SCALES		0	PIT	900026000154530	
0501	4	5760	Mountain whitefish	266	194	SCALES		0	PIT	900026000154806	
0501	4	5761	Mountain whitefish	263	238	SCALES		0	PIT	900026000147882	
0501	4	5762	Mountain whitefish	227	158	SCALES		0			
0501	4	5763	Mountain whitefish	288	220	SCALES		0	PIT	900026000055145	
0501	4	5764	Mountain whitefish	242	176	SCALES		0			
0501	4	5765	Mountain whitefish	284	260	SCALES		0	PIT	900026000053912	
0501	4	5766	Mountain whitefish	326	314	SCALES		0	PIT	900026000154648	
0501	4	5767	Bull trout	323	324	FIN RAY	4	0	PIT	900026000055139	
0501	4	5768	Mountain whitefish	143	32	SCALES		0			
0501	4	5769	Mountain whitefish	393	578	SCALES		2	PIT	900026000155178	
0501	4	5770	Mountain whitefish	242	140	SCALES	4	0			
0501	4	5771	Mountain whitefish	279	222	SCALES		2	PIT	900026000055186	
0502	4	5772	Mountain whitefish	152	42	SCALES		0			
0502	4	5773	Mountain whitefish	243	158	SCALES		0			
0502	4	5774	Mountain whitefish	402	512	SCALES	11	2	PIT	900026000186175	
0502	4	5775	Mountain whitefish	250	202	SCALES		0	PIT	900026000147517	
0502	4	5776	Mountain whitefish	279	226	SCALES		0	PIT	900026000155395	
0502	4	5777	Mountain whitefish	315	330	SCALES		0	PIT	900026000056488	
0502	4	5778	Mountain whitefish	354	426	SCALES		2	PIT	900026000154750	
0502	4	5779	Mountain whitefish	289	288	SCALES		2	PIT	900026000186720	
0502	4	5780	Mountain whitefish	280	232	SCALES		0	PIT	900026000154662	
0502	4	5781	Mountain whitefish	265	228	SCALES		0	PIT	900026000055763	
0502	4	5782	Mountain whitefish	261	230	SCALES		0	PIT	900026000147991	
0502	4	5783	Mountain whitefish	266	236	SCALES		0	PIT	900026000154522	
0502	4	5784	Mountain whitefish	350	458	SCALES		2	PIT	900026000055854	
0502	4	5785	Mountain whitefish	316	336	SCALES		0	PIT	900026000155080	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0502	4	5786	Mountain whitefish	152	40	SCALES		0			
0502	4	5787	Mountain whitefish	312	338	SCALES		0	PIT	900026000055944	
0502	4	5788	Mountain whitefish	296	332	SCALES		0	PIT	900026000155415	
0502	4	5789	Mountain whitefish	295	342	SCALES		0	PIT	900026000154541	
0502	4	5790	Mountain whitefish	151	46	SCALES		0			
0502	4	5791	Mountain whitefish	318	342	SCALES		2	PIT	900026000056581	
0502	4	5792	Mountain whitefish	320	334	SCALES	5	2	PIT	900026000146102	
0502	4	5793	Mountain whitefish	275	230	SCALES		0	PIT	900026000052125	
0502	4	5794	Mountain whitefish	347	420	SCALES	6	2	PIT	965000000069236	
0502	4	5795	Mountain whitefish	255	204	SCALES		0	PIT	900026000155388	
0502	4	5796	Mountain whitefish	272	248	SCALES	5	0	PIT	900026000155172	
0502	4	5797	Mountain whitefish	291	266	SCALES		2	PIT	965000000282318	
0502	4	5798	Mountain whitefish	275	250	SCALES		0	PIT	900026000154651	
0502	4	5799	Mountain whitefish	276	220	SCALES		2	PIT	965000000282049	
0502	4	5800	Mountain whitefish	287	264	SCALES		2	PIT	900026000051573	
0502	4	5801	Mountain whitefish	309	306	SCALES		0	PIT	900026000154554	
0502	4	5802	Mountain whitefish	262	190	SCALES		0	PIT	900026000186069	
0502	4	5803	Mountain whitefish	334	372	SCALES		0	PIT	900026000188643	
0502	4	5804	Mountain whitefish	303	318	SCALES		0	PIT	900026000186351	
0502	4	5805	Mountain whitefish	301	314	SCALES		0	PIT	900026000186359	
0502	4	5806	Mountain whitefish	312	386	SCALES		0	PIT	900026000186884	
0502	4	5807	Mountain whitefish	260	212	SCALES		0	PIT	900026000186910	
0502	4	5808	Mountain whitefish	278	236	SCALES		0	PIT	900026000188606	
0502	4	5809	Mountain whitefish	266	228	SCALES		0	PIT	900026000188650	
0502	4	5810	Mountain whitefish	267	232	SCALES		0	PIT	900026000186169	
0502	4	5811	Mountain whitefish	257	190	SCALES		0	PIT	900026000188815	
0502	4	5812	Mountain whitefish	309	340	SCALES		0	PIT	900026000188257	
0502	4	5813	Mountain whitefish	286	312	SCALES		0	PIT	900026000186410	
0504	4	5814	Mountain whitefish	306	304	SCALES		0	PIT	900026000186443	
0504	4	5815	Mountain whitefish	299	266	SCALES		2	PIT	900026000055522	
0504	4	5816	Mountain whitefish	193	80	SCALES		0			
0504	4	5817	Mountain whitefish	256	192	SCALES		0	PIT	900026000186667	
0504	4	5818	Mountain whitefish	157	42	SCALES		0			
0504	4	5819	Mountain whitefish	333	348	SCALES		2	PIT	965000000070922	
0504	4	5820	Mountain whitefish	337	440	SCALES	7	0	PIT	900026000186220	
0504	4	5821	Mountain whitefish	265	188	SCALES		2	PIT	900026000188530	
0504	4	5822	Mountain whitefish	247	162	SCALES		0			
0504	4	5823	Mountain whitefish	253	190	SCALES		0	PIT	900026000186552	
0504	4	5824	Mountain whitefish	258	218	SCALES		0	PIT	900026000186920	
0504	4	5825	Mountain whitefish	262	220	SCALES		0	PIT	900026000186950	
0504	4	5826	Mountain whitefish	153	38	SCALES	1	0			
0504	4	5827	Mountain whitefish	320	308	SCALES		0	PIT	900026000186572	
0504	4	5828	Mountain whitefish	305	286	SCALES		0	PIT	900026000186026	
0504	4	5829	Mountain whitefish	274	210	SCALES		0	PIT	900026000186242	
0504	4	5830	Mountain whitefish	301	216	SCALES		0	PIT	900026000186324	
0504	4	5831	Mountain whitefish	327	298	SCALES		0	PIT	900026000186127	
0504	4	5832	Mountain whitefish	292	248	SCALES		2	PIT	900026000051831	
0504	4	5833	Mountain whitefish	345	424	SCALES		0	PIT	900026000186772	
0504	4	5834	Mountain whitefish	288	270	SCALES	5	0	PIT	900026000188571	
0504	4	5835	Mountain whitefish	291	252	SCALES		0	PIT	900026000154626	
0504	4	5836	Mountain whitefish	290	278	SCALES		0	PIT	900026000154890	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0504	4	5837	Mountain whitefish	331	384	SCALES		2	PIT	965000000244372
	0504	4	5838	Mountain whitefish	285	266	SCALES		0	PIT	900026000155413
	0504	4	5839	Mountain whitefish	261	226	SCALES		2	PIT	900026000055763
	0504	4	5840	Mountain whitefish	295	272	SCALES		0	PIT	900026000147804
	0504	4	5841	Mountain whitefish	335	316	SCALES		2	PIT	0A00726542
	0504	4	5842	Mountain whitefish	307	320	SCALES		0	PIT	900026000155005
	0504	4	5843	Bull trout	301	298			2	PIT	900026000148282
	0504	4	5844	Mountain whitefish	291	274	SCALES		2	PIT	900026000155490
	0504	4	5845	Mountain whitefish	299	254	SCALES		0	PIT	900026000147538
	0504	4	5846	Mountain whitefish	258	228	SCALES		0	PIT	900026000155254
	0504	4	5847	Mountain whitefish	288	232	SCALES		2	PIT	900026000147356
	0504	4	5848	Mountain whitefish	240	152	SCALES		0		
	0505	4	5849	Rainbow trout	332	442	SCALES		2	PIT	900026000147664
	0505	4	5850	Mountain whitefish	269	234	SCALES		2	PIT	965000000069003
	0505	4	5851	Mountain whitefish	281	208	SCALES		0	PIT	900026000054094
	0505	4	5852	Mountain whitefish	290	260	SCALES		0	PIT	900026000147051
	0505	4	5853	Mountain whitefish	294	258	SCALES		0	PIT	900026000155206
	0505	4	5854	Mountain whitefish	259	210	SCALES		0	PIT	900026000056122
	0505	4	5855	Mountain whitefish	318	316	SCALES		0	PIT	900026000155025
	0505	4	5856	Mountain whitefish	202	90	SCALES		0		
	0505	4	5857	Mountain whitefish	301	264	SCALES		0	PIT	900026000055577
	0505	4	5858	Mountain whitefish	306	320	SCALES		0	PIT	900026000154515
	0505	4	5859	Mountain whitefish	287	220	SCALES		0	PIT	900026000155423
	0505	4	5860	Mountain whitefish	238	148	SCALES		0		
	0505	4	5861	Mountain whitefish	287	244	SCALES		0	PIT	900026000154732
	0505	4	5862	Mountain whitefish	274	218	SCALES		0	PIT	900026000057513
	0505	4	5863	Mountain whitefish	312	318	SCALES		0	PIT	900026000154838
	0505	4	5864	Mountain whitefish	327	300	SCALES		0	PIT	900026000154638
	0505	4	5865	Mountain whitefish	297	278	SCALES		0	PIT	900026000155032
	0505	4	5866	Mountain whitefish	275	212	SCALES		0	PIT	900026000055986
	0505	4	5867	Mountain whitefish	270	214	SCALES		0	PIT	900026000147857
	0505	4	5868	Mountain whitefish	277	210	SCALES	4	0	PIT	900026000054126
	0505	4	5869	Mountain whitefish	260	230	SCALES		0	PIT	900026000186852
	0505	4	5870	Mountain whitefish	282	238	SCALES		0	PIT	900026000186934
	0505	4	5871	Mountain whitefish	271	244	SCALES		0	PIT	900026000186217
	0505	4	5872	Mountain whitefish	210	98	SCALES		0		
	0505	4	5873	Mountain whitefish	274	264	SCALES		0	PIT	900026000186293
	0505	4	5874	Mountain whitefish	283	252	SCALES		0	PIT	900026000186468
	0505	4	5875	Mountain whitefish	216	108	SCALES		2	0	
	0505	4	5876	Mountain whitefish	201	92	SCALES		2	0	
	0505	4	5877	Mountain whitefish	290	258	SCALES	4	0	PIT	900026000186457
	0505	4	5878	Mountain whitefish	292	250	SCALES		0	PIT	900026000186106
	0505	4	5879	Mountain whitefish	249	136	SCALES		0		
	0505	4	5880	Mountain whitefish	284	220	SCALES		2	PIT	900026000186036
	0505	4	5881	Mountain whitefish	280	226	SCALES		0	PIT	900026000188239
	0505	4	5882	Mountain whitefish	297	298	SCALES		0	PIT	900026000053783
	0505	4	5883	Mountain whitefish	283	228	SCALES		2	PIT	900026000063864
	0505	4	5884	Mountain whitefish	347	312	SCALES	6	0	PIT	900026000057177
	0505	4	5885	Mountain whitefish	376	606	SCALES		0	PIT	900026000147196
	0505	4	5886	Mountain whitefish	337	288	SCALES	6	0	PIT	900026000154769
	0505	4	5887	Mountain whitefish	269	190	SCALES		2	PIT	965000000281025

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0505	4	5888	Mountain whitefish	316	308	SCALES		2	PIT	900026000056259
	0505	4	5889	Mountain whitefish	263	180	SCALES		0	PIT	900026000154882
	0505	4	5890	Mountain whitefish	216	112	SCALES		0		
	0506	4	5891	Mountain whitefish	296	270	SCALES		0	PIT	900026000055400
	0506	4	5892	Mountain whitefish	351	428	SCALES		0	PIT	900026000155269
	0506	4	5893	Mountain whitefish	345	382	SCALES		0	PIT	900026000147424
	0506	4	5894	Mountain whitefish	272	210	SCALES		0	PIT	900026000057573
	0506	4	5895	Mountain whitefish	313	318	SCALES		0	PIT	900026000154737
	0506	4	5896	Mountain whitefish	297	292	SCALES		2	PIT	900026000035169
	0506	4	5897	Mountain whitefish	145	34	SCALES		0		
	0506	4	5898	Mountain whitefish	300	232	SCALES		0	PIT	900026000154674
	0506	4	5899	Mountain whitefish	312	278	SCALES	6	0	PIT	900026000154926
	0506	4	5900	Mountain whitefish	292	270	SCALES		0	PIT	900026000147800
	0506	4	5901	Mountain whitefish	171	44	SCALES		0		
	0506	4	5902	Mountain whitefish	304	246	SCALES		0	PIT	900026000154543
	0506	4	5903	Mountain whitefish	295	244	SCALES		2	PIT	900026000052625
	0506	4	5904	Mountain whitefish	277	216	SCALES		0	PIT	900026000055817
	0506	4	5905	Mountain whitefish	149	36	SCALES		0		
	0507	4	5906	Bull trout	315	278			2	PIT	900026000147172
	0507	4	5907	Mountain whitefish	360	416	SCALES		2	PIT	965000000006154
	0507	4	5908	Mountain whitefish	317	276	SCALES		0	PIT	900026000154713
	0507	4	5909	Mountain whitefish	276	230	SCALES		0	PIT	900026000147899
	0507	4	5910	Mountain whitefish	306	334	SCALES		0	PIT	900026000186793
	0507	4	5911	Mountain whitefish	295	268	SCALES		0	PIT	900026000188880
	0507	4	5912	Mountain whitefish	379	468	SCALES	8	2	PIT	900026000053767
	0507	4	5913	Mountain whitefish	281	222	SCALES		0	PIT	900026000186040
	0507	4	5914	Mountain whitefish	284	326	SCALES		0	PIT	900026000188071
	0507	4	5915	Mountain whitefish	274	226	SCALES		2	PIT	900026000154894
	0507	4	5916	Mountain whitefish	277	246	SCALES		0	PIT	900026000186318
	0507	4	5917	Mountain whitefish	282	236	SCALES		0	PIT	900026000186380
	0507	4	5918	Mountain whitefish	431	766	SCALES	11	2	PIT	900026000051997
	0507	4	5919	Mountain whitefish	322	346	SCALES		0	PIT	900026000186700
	0507	4	5920	Mountain whitefish	305	284	SCALES		2	PIT	9650000000069567
	0507	4	5921	Mountain whitefish	292	246	SCALES	5	2	PIT	900026000035272
	0507	4	5922	Mountain whitefish	326	308	SCALES		2	PIT	900026000065489
	0507	4	5923	Mountain whitefish	352	372	SCALES		2	PIT	900026000051693
	0507	4	5924	Mountain whitefish	310	274	SCALES		2	PIT	965000000110511
	0507	4	5925	Mountain whitefish	274	216	SCALES		0	PIT	900026000186238
	0507	4	5926	Mountain whitefish	217	120	SCALES		0		
	0507	4	5927	Mountain whitefish	291	276	SCALES	5	0	PIT	900026000186694
	0507	4	5928	Mountain whitefish	143	40	SCALES		0		
	0507	4	5929	Mountain whitefish	264	214	SCALES		2	PIT	900026000034803
	0507	4	5930	Mountain whitefish	296	286	SCALES		0	PIT	900026000186194
	0507	4	5931	Mountain whitefish	164	54	SCALES		0		
	0507	4	5932	Mountain whitefish	361	374	SCALES		2	PIT	0A00751841
	0507	4	5933	Mountain whitefish	272	218	SCALES		0	PIT	900026000186454
	0507	4	5934	Mountain whitefish	252	196	SCALES		2	PIT	900026000154865
	0507	4	5935	Mountain whitefish	306	330	SCALES		0	PIT	900026000188075
	0507	4	5936	Mountain whitefish	272	242	SCALES		0	PIT	900026000186632
	0507	4	5937	Mountain whitefish	325	328	SCALES		0	PIT	900026000188894
	0507	4	5938	Mountain whitefish	263	210	SCALES		0	PIT	900026000186787

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0507	4	5939	Mountain whitefish	276	236	SCALES		0	PIT	900026000186803
	0507	4	5940	Mountain whitefish	279	220	SCALES		2	PIT	900026000146223
	0507	4	5941	Mountain whitefish	302	284	SCALES		0	PIT	900026000186549
	0507	4	5942	Mountain whitefish	240	166	SCALES		0		
	0507	4	5943	Mountain whitefish	292	274	SCALES		0	PIT	900026000186638
	0507	4	5944	Mountain whitefish	239	152	SCALES		0		
	0507	4	5945	Mountain whitefish	163	56	SCALES		0		
	0507	4	5946	Mountain whitefish	344	390	SCALES	7	0	PIT	900026000186013
	0507	4	5947	Mountain whitefish	155	50	SCALES	1	0		
	0507	4	5948	Mountain whitefish	299	286	SCALES		0	PIT	900026000186347
	0507	4	5949	Mountain whitefish	151	46	SCALES		0		
	0509	4	5950	Mountain whitefish	320	400	SCALES		2	PIT	965000000246309
	0509	4	5951	Mountain whitefish	273	242	SCALES		0	PIT	900026000186034
	0509	4	5952	Mountain whitefish	332	370	SCALES		2	PIT	965000000067997
	0509	4	5953	Mountain whitefish	303	280	SCALES		0	PIT	900026000188746
	0509	4	5954	Mountain whitefish	289	236	SCALES		0	PIT	900026000186931
	0509	4	5955	Mountain whitefish	304	308	SCALES		2	PIT	965000000282780
	0509	4	5956	Mountain whitefish	205	94	SCALES		0		
	0509	4	5957	Rainbow trout	400	556	SCALES		2	PIT	900026000063322
	0509	4	5958	Mountain whitefish	306	300	SCALES		0	PIT	900026000186221
	0509	4	5959	Mountain whitefish	275	204	SCALES		2	PIT	900026000148257
	0509	4	5960	Mountain whitefish	354	408	SCALES		0	PIT	900026000186533
	0509	4	5961	Mountain whitefish	280	226	SCALES		0	PIT	900026000147815
	0509	4	5962	Mountain whitefish	255	160	SCALES		2	PIT	900026000147464
	0509	4	5963	Mountain whitefish	349	402	SCALES		2	PIT	900026000146262
	0509	4	5964	Mountain whitefish	207	98	SCALES		0		
	0509	4	5965	Mountain whitefish	282	284	SCALES		0	PIT	900026000154935
	0509	4	5966	Mountain whitefish	344	390	SCALES		2	PIT	4D00031645
	0509	4	5967	Mountain whitefish	315	312	SCALES		2	PIT	965000000010099
	0509	4	5968	Mountain whitefish	317	338	SCALES		0	PIT	900026000154893
	0509	4	5969	Mountain whitefish	285	250	SCALES	4	0	PIT	900026000033582
	0509	4	5970	Mountain whitefish	276	266	SCALES		0	PIT	900026000155083
	0509	4	5971	Mountain whitefish	255	174	SCALES		0	PIT	900026000084012
	0509	4	5972	Mountain whitefish	290	244	SCALES		2	PIT	900026000155198
	0509	4	5973	Mountain whitefish	275	200	SCALES		2	PIT	900026000053546
	0509	4	5974	Mountain whitefish	263	202	SCALES		0	PIT	900026000057040
	0509	4	5975	Mountain whitefish	228	140	SCALES		0		
	0509	4	5976	Mountain whitefish	213	100	SCALES		0		
	0509	4	5977	Mountain whitefish	265	204	SCALES		0	PIT	900026000061294
	0509	4	5978	Mountain whitefish	349	442	SCALES		0	PIT	900026000147727
	0509	4	5979	Mountain whitefish	313	324	SCALES		0	PIT	900026000147551
	0509	4	5980	Mountain whitefish	280	260	SCALES		2	PIT	965000000282793
	0509	4	5981	Mountain whitefish	256	176	SCALES		0	PIT	900026000147721
	0509	4	5982	Mountain whitefish	247	156	SCALES		0		
	0509	4	5983	Mountain whitefish	281	242	SCALES		2	PIT	900026000186692
	0509	4	5984	Mountain whitefish	270	226	SCALES	4	0	PIT	900026000056356
	0509	4	5985	Mountain whitefish	258	248	SCALES		0	PIT	900026000154904
	0509	4	5986	Mountain whitefish	292	294	SCALES		0	PIT	900026000154860
	0509	4	5987	Mountain whitefish	246	164	SCALES	4	0		
	0509	4	5988	Mountain whitefish	377	444	SCALES		2	PIT	0A00710506
	0509	4	5989	Mountain whitefish	267	192	SCALES		2	PIT	900026000147259

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0509	4	5990	Mountain whitefish	252	202	SCALES		0	PIT	900026000155482
	0509	4	5991	Mountain whitefish	252	186	SCALES		0	PIT	900026000083722
	0509	4	5992	Mountain whitefish	278	244	SCALES		0	PIT	900026000155393
	0509	4	5993	Mountain whitefish	218	104	SCALES		0		
	0509	4	5994	Mountain whitefish	285	236	SCALES	2	PIT	900026000053109	
	0509	4	5995	Mountain whitefish	314	274	SCALES	2	PIT	965000000071460	
	0509	4	5996	Mountain whitefish	258	188	SCALES	0	PIT	900026000154701	
	0509	4	5997	Mountain whitefish	320	336	SCALES	0	PIT	900026000155272	
	0509	4	5998	Mountain whitefish	363	410	SCALES	0	PIT	900026000055524	
	0509	4	5999	Mountain whitefish	332	402	SCALES	2	PIT	965000000245355	
	0509	4	6000	Mountain whitefish	292	252	SCALES	0	PIT	900026000155063	
	0509	4	6001	Mountain whitefish	325	318	SCALES	0	PIT	900026000155134	
	0509	4	6002	Mountain whitefish	248	164	SCALES		0		
	0509	4	6003	Mountain whitefish	341	340	SCALES	0	PIT	900026000054082	
	0509	4	6004	Mountain whitefish	335	402	SCALES	2	PIT	900026000053088	
	0509	4	6005	Mountain whitefish	328	264	SCALES	0	PIT	900026000035191	
	0509	4	6006	Mountain whitefish	279	270	SCALES	0	PIT	900026000063354	
	0509	4	6007	Mountain whitefish	260	192	SCALES	0	PIT	900026000154507	
	0509	4	6008	Mountain whitefish	235	136	SCALES		0		
	0509	4	6009	Mountain whitefish	205	88	SCALES		0		
	0509	4	6010	Mountain whitefish	203	88	SCALES		0		
	0509	4	6011	Bull trout	320	286	SCALES/FIN RAY	4	0	PIT	900026000155154
	0512	4	6012	Bull trout	582	1698	FIN RAY	6	0	PIT	900026000186294
	0512	4	6013	Mountain whitefish	387	518	SCALES		2	PIT	900026000057339
	0512	4	6014	Mountain whitefish	384	508	SCALES		0	PIT	900026000188520
	0512	4	6015	Mountain whitefish	297	262	SCALES		0	PIT	900026000188439
	0512	4	6016	Mountain whitefish	272	224	SCALES		0	PIT	900026000186349
	0512	4	6017	Mountain whitefish	294	260	SCALES		0	PIT	900026000186540
	0512	4	6018	Mountain whitefish	246	184	SCALES		0		
	0512	4	6019	Mountain whitefish	263	186	SCALES		0	PIT	900026000186748
	0512	4	6020	Mountain whitefish	139	28	SCALES		0		
	0512	4	6021	Mountain whitefish	191	78	SCALES		0		
	0512	4	6022	Bull trout	315	276			2	PIT	900026000147172
	0512	4	6023	Mountain whitefish	354	450	SCALES		0	PIT	900026000186072
	0512	4	6024	Mountain whitefish	285	244	SCALES	5	2	PIT	900026000062112
	0512	4	6025	Mountain whitefish	353	376	SCALES		2	PIT	0A00705672
	0512	4	6026	Mountain whitefish	212	114	SCALES		0		
	0512	4	6027	Mountain whitefish	273	206	SCALES	4	2	PIT	900026000054395
	0512	4	6028	Mountain whitefish	317	294	SCALES		0	PIT	900026000186773
	0512	4	6029	Mountain whitefish	311	274	SCALES	5	2	PIT	965000000281058
	0512	4	6030	Mountain whitefish	299	264	SCALES		0	PIT	900026000188263
	0512	4	6031	Mountain whitefish	282	212	SCALES		0	PIT	900026000186821
	0512	4	6032	Mountain whitefish	254	182	SCALES		0	PIT	900026000186659
	0512	4	6033	Mountain whitefish	257	210	SCALES		2	PIT	900026000186901
	0512	4	6034	Mountain whitefish	258	170	SCALES		0	PIT	900026000188337
	0512	4	6035	Mountain whitefish	340	378	SCALES		2	PIT	965000000245625
	0512	4	6036	Mountain whitefish	232	134	SCALES		0		
	0512	4	6037	Mountain whitefish	278	214	SCALES		0	PIT	900026000186703
	0512	4	6038	Mountain whitefish	150	42	SCALES		0		
	0512	4	6039	Mountain whitefish	286	252	SCALES		0	PIT	900026000186070
	0512	4	6040	Mountain whitefish	158	38	SCALES		0		

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0510	4	6041	Mountain whitefish	291	236	SCALES		2	PIT	900026000147939
	0510	4	6042	Mountain whitefish	371	522	SCALES		0	PIT	900026000186584
	0510	4	6043	Mountain whitefish	371	468	SCALES		2	PIT	965000000110762
	0510	4	6044	Mountain whitefish	417	898	SCALES	10	0	PIT	900026000186265
	0510	4	6045	Mountain whitefish	395	542	SCALES		2	PIT	0A00735721
	0510	4	6046	Mountain whitefish	291	206	SCALES		0	PIT	900026000186111
	0510	4	6047	Mountain whitefish	365	396	SCALES		2	PIT	965000000068228
	0510	4	6048	Mountain whitefish	305	284	SCALES		2	PIT	900026000186221
	0510	4	6049	Mountain whitefish	338	362	SCALES		0	PIT	900026000186759
	0510	4	6050	Mountain whitefish	327	376	SCALES		0	PIT	900026000186182
	0510	4	6051	Mountain whitefish	392	552	SCALES	8	2	PIT	965000000089651
	0510	4	6052	Mountain whitefish	403	560	SCALES		2	PIT	0A00726744
	0510	4	6053	Mountain whitefish	340	416	SCALES		2	PIT	965000000248263
	0510	4	6054	Mountain whitefish	307	294	SCALES		2	PIT	965000000281038
	0510	4	6055	Mountain whitefish	273	230	SCALES		0	PIT	900026000186100
	0510	4	6056	Mountain whitefish	302	284	SCALES		2	PIT	965000000010427
	0510	4	6057	Mountain whitefish	387	464	SCALES		2	PIT	965000000282461
	0510	4	6058	Mountain whitefish	288	240	SCALES		2	PIT	900026000033582
	0510	4	6059	Mountain whitefish	293	274	SCALES		0	PIT	900026000188508
	0510	4	6060	Mountain whitefish	258	182	SCALES		0	PIT	900026000186269
	0510	4	6061	Mountain whitefish	284	216	SCALES		2	PIT	900026000186821
	0510	4	6062	Bull trout	430	752			2	PIT	900026000054938
	0510	4	6063	Mountain whitefish	246	146	SCALES		0		
	0510	4	6064	Mountain whitefish	280	224	SCALES		2	PIT	900026000052987
	0510	4	6065	Mountain whitefish	359	454	SCALES		2	PIT	900026000186072
	0510	4	6066	Mountain whitefish	333	302	SCALES		2	PIT	900026000154673
	0510	4	6067	Mountain whitefish	276	256	SCALES		0	PIT	900026000188537
	0510	4	6068	Mountain whitefish	286	246	SCALES	4	2	PIT	900026000188889
	0510	4	6069	Mountain whitefish	331	352	SCALES		0	PIT	900026000186896
	0510	4	6070	Mountain whitefish	268	194	SCALES		0	PIT	900026000186427
	0510	4	6071	Mountain whitefish	314	318	SCALES		2	PIT	965000000247905
	0510	4	6072	Mountain whitefish	273	218	SCALES		0	PIT	900026000186813
	0510	4	6073	Mountain whitefish	220	130	SCALES		0		
	0510	4	6074	Mountain whitefish	285	308	SCALES		0	PIT	900026000186164
	0510	4	6075	Mountain whitefish	315	298	SCALES		0	PIT	900026000186709
	0510	4	6076	Mountain whitefish	310	334	SCALES		2	PIT	900026000065224
	0510	4	6077	Mountain whitefish	273	222	SCALES		0	PIT	900026000186276
	0510	4	6078	Mountain whitefish	277	192	SCALES		0	PIT	900026000186422
	0510	4	6079	Mountain whitefish	260	214	SCALES		2	PIT	900026000186901
	0510	4	6080	Mountain whitefish	268	250	SCALES		0		
	0510	4	6081	Mountain whitefish	364	414	SCALES		2	PIT	900026000154687
	0510	4	6082	Mountain whitefish	276	222	SCALES		0	PIT	900026000186421
	0510	4	6083	Mountain whitefish	292	256	SCALES		0	PIT	900026000186790
	0510	4	6084	Mountain whitefish	296	284	SCALES		0	PIT	900026000186776
	0510	4	6085	Mountain whitefish	245	170	SCALES		0		
	0510	4	6086	Mountain whitefish	272	216	SCALES		0	PIT	900026000186262
	0510	4	6087	Mountain whitefish	290	246	SCALES		2	PIT	965000000075481
	0510	4	6088	Mountain whitefish	294	256	SCALES		2	PIT	900026000188306
	0510	4	6089	Mountain whitefish	154	42	SCALES		0		
	0510	4	6090	Mountain whitefish	303	266	SCALES		2	PIT	900026000188439
	0510	4	6091	Mountain whitefish	257	198	SCALES		0	PIT	900026000186270

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0510	4	6092	Mountain whitefish	308	292	SCALES		0	PIT	900026000186754
	0510	4	6093	Mountain whitefish	233	132	SCALES		0		
	0510	4	6094	Mountain whitefish	258	198	SCALES		2	PIT	900026000188072
	0510	4	6095	Mountain whitefish	252	216	SCALES/OTOLITH		9		
	0510	4	6096	Mountain whitefish	337	316	SCALES/OTOLITH		9		
	0510	4	6097	Mountain whitefish	368	340	SCALES/OTOLITH		9		
	0511	4	6098	Mountain whitefish	351	372	SCALES	7	0	PIT	900026000186591
	0511	4	6099	Mountain whitefish	260	200	SCALES		0	PIT	900026000188398
	0511	4	6100	Mountain whitefish	331	356	SCALES		2	PIT	965000000248028
	0511	4	6101	Mountain whitefish	295	260	SCALES		2	PIT	900026000147870
	0511	4	6102	Mountain whitefish	255	168	SCALES		0	PIT	900026000186021
	0511	4	6103	Mountain whitefish	312	294	SCALES		0	PIT	900026000188390
	0511	4	6104	Mountain whitefish	305	260	SCALES		0	PIT	900026000186861
	0511	4	6105	Mountain whitefish	372	342	SCALES		0	PIT	900026000186197
	0511	4	6106	Mountain whitefish	369	370	SCALES		0	PIT	900026000186446
	0511	4	6107	Mountain whitefish	367	498	SCALES		2	FLOY	8502 YELLOW
	0511	4	6108	Mountain whitefish	298	244	SCALES		0	PIT	900026000188613
	0511	4	6109	Mountain whitefish	317	264	SCALES		0	PIT	900026000186687
	0511	4	6110	Mountain whitefish	308	270	SCALES		2	PIT	900026000147143
	0511	4	6111	Mountain whitefish	303	304	SCALES/OTOLITH		9		
	0515	4	6112	Mountain whitefish	280	204	SCALES		0	PIT	900026000186395
	0515	4	6113	Mountain whitefish	268	208	SCALES		2	PIT	900026000188455
	0515	4	6114	Mountain whitefish	237	148	SCALES		0		
	0515	4	6115	Mountain whitefish	290	246	SCALES		2	PIT	965000000072628
	0515	4	6116	Mountain whitefish	292	238	SCALES		2	PIT	900026000057149
	0515	4	6117	Mountain whitefish	312	294	SCALES		2	PIT	900026000035176
	0515	4	6118	Mountain whitefish	326	378	SCALES		2	PIT	900026000054030
	0515	4	6119	Mountain whitefish	254	170	SCALES		0	PIT	900026000186762
	0515	4	6120	Mountain whitefish	286	218	SCALES		0	PIT	900026000188147
	0515	4	6121	Bull trout	285	250	SCALES/FIN RAY	3	0	PIT	900026000186655
	0515	4	6122	Mountain whitefish	381	502	SCALES		2	PIT	0A00710047
	0515	4	6123	Mountain whitefish	308	254	SCALES		2	PIT	965000000247923
	0515	4	6124	Mountain whitefish	310	302	SCALES		0	PIT	900026000186578
	0515	4	6125	Mountain whitefish	350	386	SCALES	7	0	PIT	900026000186289
	0515	4	6126	Mountain whitefish	325	286	SCALES		0	PIT	900026000186737
	0515	4	6127	Mountain whitefish	260	190	SCALES		0	PIT	900026000186547
	0515	4	6128	Mountain whitefish	277	222	SCALES		2	PIT	900026000148205
	0515	4	6129	Mountain whitefish	280	218	SCALES		0	PIT	900026000186263
	0515	4	6130	Mountain whitefish	340	394	SCALES		0	PIT	900026000186015
	0515	4	6131	Mountain whitefish	300	304	SCALES		2	PIT	900026000147704
	0515	4	6132	Mountain whitefish	268	202	SCALES		0	PIT	900026000186629
	0515	4	6133	Mountain whitefish	307	326	SCALES		0	PIT	900026000186500
	0515	4	6134	Mountain whitefish	279	250	SCALES		0	PIT	900026000186050
	0515	4	6135	Mountain whitefish	313	284	SCALES		2	PIT	900026000065040
	0515	4	6136	Mountain whitefish	252	196	SCALES		0	PIT	900026000186908
	0515	4	6137	Mountain whitefish	261	202	SCALES		2	PIT	900026000186929
	0515	4	6138	Mountain whitefish	275	242	SCALES		0	PIT	900026000186616
	0515	4	6139	Mountain whitefish	293	262	SCALES		2	PIT	900026000056557
	0515	4	6140	Mountain whitefish	260	180	SCALES		0	PIT	900026000188005
	0515	4	6141	Mountain whitefish	260	220	SCALES		0	PIT	900026000186727
	0515	4	6142	Mountain whitefish	257	188	SCALES		0	PIT	900026000186452

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag		
										Number	Colour	
5												
	0515	4	6143	Mountain whitefish	350	348	SCALES		2	PIT	965000000244958	
	0515	4	6144	Mountain whitefish	282	226	SCALES		2	PIT	900026000154662	
	0515	4	6145	Mountain whitefish	312	308	SCALES		0	PIT	900026000188158	
	0515	4	6146	Mountain whitefish	298	302	SCALES		0	PIT	900026000186190	
	0515	4	6147	Mountain whitefish	319	262	SCALES		0	PIT	900026000186088	
	0515	4	6148	Mountain whitefish	365	398	SCALES		2	PIT	965000000077094	
	0515	4	6149	Mountain whitefish	305	328	SCALES		0	PIT	900026000188213	
	0515	4	6150	Mountain whitefish	290	248	SCALES		0	PIT	900026000188231	
	0515	4	6151	Mountain whitefish	293	240	SCALES		0	PIT	900026000188182	
	0515	4	6152	Mountain whitefish	350	330	SCALES	6	2	PIT	900026000055807	
	0515	4	6153	Mountain whitefish	275	216	SCALES		0	PIT	900026000188292	
	0515	4	6154	Mountain whitefish	147	36	SCALES		0			
	0515	4	6155	Mountain whitefish	393	490	SCALES		0	PIT	900026000186002	
	0515	4	6156	Mountain whitefish	258	186	SCALES		0	PIT	900026000186365	
	0515	4	6157	Mountain whitefish	327	322	SCALES		0	PIT	900026000186653	
	0515	4	6158	Mountain whitefish	305	274	SCALES		0	PIT	900026000188098	
	0515	4	6159	Mountain whitefish	358	372	SCALES		2	PIT	965000000239158	
	0515	4	6160	Mountain whitefish	316	268	SCALES		2	PIT	900026000053092	
	0515	4	6161	Mountain whitefish	218	108	SCALES	2	0			
	0515	4	6162	Mountain whitefish	277	230	SCALES		0	PIT	900026000186455	
	0515	4	6163	Mountain whitefish	290	332	SCALES		0	PIT	900026000186937	
	0515	4	6164	Mountain whitefish	262	228	SCALES		0	PIT	900026000188737	
	0515	4	6165	Mountain whitefish	250	182	SCALES		0	PIT	900026000186284	
	0515	4	6166	Mountain whitefish	281	278	SCALES/OTOLITH		9			
	0513	4	6167	Mountain whitefish	455	888	SCALES		2	PIT	900026000052070	
	0513	4	6168	Mountain whitefish	293	230	SCALES		0	PIT	900026000186407	
	0513	4	6169	Mountain whitefish	398	466	SCALES		2	FLOY	14074	WHITE
	0513	4	6170	Mountain whitefish	280	236	SCALES		0	PIT	900026000186677	
	0513	4	6171	Mountain whitefish	323	304	SCALES		2	PIT	900026000054884	
	0513	4	6172	Mountain whitefish	145	32	SCALES		0			
	0513	4	6173	Mountain whitefish	334	366	SCALES		0	PIT	900026000186025	
	0513	4	6174	Mountain whitefish	260	176	SCALES		0	PIT	900026000186847	
	0513	4	6175	Mountain whitefish	253	216	SCALES		0	PIT	900026000186805	
	0513	4	6176	Mountain whitefish	279	220	SCALES		0	PIT	900026000186272	
	0513	4	6177	Mountain whitefish	315	272	SCALES		2	PIT	900026000053092	
	0513	4	6178	Mountain whitefish	136	30	SCALES		0			
	0513	4	6179	Mountain whitefish	395	498	SCALES		2	PIT	900026000186002	
	0513	4	6180	Mountain whitefish	320	322	SCALES		2	PIT	900026000063447	
	0513	4	6181	Mountain whitefish	310	308	SCALES		2	PIT	900026000186578	
	0513	4	6182	Mountain whitefish	161	46	SCALES		0			
	0513	4	6183	Mountain whitefish	267	242	SCALES		0	PIT	900026000186059	
	0513	4	6184	Mountain whitefish	149	40	SCALES		0			
	0513	4	6185	Mountain whitefish	298	234	SCALES		2	PIT	900026000055058	
	0513	4	6186	Mountain whitefish	314	318	SCALES		0	PIT	900026000186094	
	0513	4	6187	Mountain whitefish	142	38	SCALES		0			
	0513	4	6188	Mountain whitefish	189	72	SCALES		0			
	0514	4	6189	Mountain whitefish	291	238	SCALES		0	PIT	900026000186408	
	0514	4	6190	Mountain whitefish	350	356	SCALES		2	PIT	900026000186256	
	0514	4	6191	Mountain whitefish	326	292	SCALES		2	PIT	900026000186737	
	0514	4	6192	Mountain whitefish	279	224	SCALES		0	PIT	900026000186214	
	0514	4	6193	Mountain whitefish	334	406	SCALES		0	PIT	900026000186625	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0514	4	6194	Mountain whitefish	314	320	SCALES		0	PIT	900026000185996
	0514	4	6195	Mountain whitefish	272	208	SCALES	4	0	PIT	900026000188847
	0514	4	6196	Mountain whitefish	347	386	SCALES		0	PIT	900026000188902
	0514	4	6197	Mountain whitefish	258	186	SCALES		0	PIT	900026000188348
	0514	4	6198	Mountain whitefish	286	242	SCALES		2	PIT	900026000054988
	0514	4	6199	Mountain whitefish	307	298	SCALES		0	PIT	900026000185953
	0514	4	6200	Mountain whitefish	324	314	SCALES		0	PIT	900026000186631
	0514	4	6201	Mountain whitefish	313	304	SCALES		0	PIT	900026000186702
	0514	4	6202	Bull trout	448	1044			2	PIT	900026000188295
	0514	4	6203	Mountain whitefish	335	358	SCALES		0	PIT	900026000186875
	0514	4	6204	Mountain whitefish	349	412	SCALES		0	PIT	900026000186886
	0514	4	6205	Mountain whitefish	335	382	SCALES		0	PIT	900026000186449
	0514	4	6206	Mountain whitefish	314	308	SCALES		0	PIT	900026000186064
	0514	4	6207	Mountain whitefish	382	432	SCALES	9	0	PIT	900026000186204
	0514	4	6208	Mountain whitefish	372	478	SCALES		0	PIT	900026000188132
	0514	4	6209	Mountain whitefish	288	260	SCALES		0	PIT	900026000186200
	0514	4	6210	Mountain whitefish	255	182	SCALES		0	PIT	900026000185990
	0514	4	6211	Mountain whitefish	256	182	SCALES	4	0	PIT	900026000186891
	0514	4	6212	Mountain whitefish	303	258	SCALES		0	PIT	900026000187956
	0514	4	6213	Mountain whitefish	314	268	SCALES		2	PIT	965000000072723
	0514	4	6214	Mountain whitefish	266	192	SCALES		0	PIT	900026000186385
	0514	4	6215	Mountain whitefish	290	272	SCALES		0	PIT	900026000188647
	0514	4	6216	Mountain whitefish	188	74	SCALES		0		
	0514	4	6217	Mountain whitefish	310	256	SCALES		0	PIT	900026000188110
	0514	4	6218	Mountain whitefish	271	220	SCALES	4	0	PIT	900026000188334
	0508	4	6219	Mountain whitefish	338	414	SCALES		0	PIT	900026000186374
	0508	4	6220	Mountain whitefish	277	236	SCALES		0	PIT	900026000188633
	0508	4	6221	Mountain whitefish	256	182	SCALES		0	PIT	900026000186809
	0508	4	6222	Mountain whitefish	287	304	SCALES	6	0	PIT	900026000186158
	0508	4	6223	Mountain whitefish	285	244	SCALES		0	PIT	900026000188021
	0508	4	6224	Mountain whitefish	232	130	SCALES		0		
	0508	4	6225	Mountain whitefish	243	140	SCALES		0		
	0508	4	6226	Mountain whitefish	159	46	SCALES	1	0		
	0508	4	6227	Mountain whitefish	148	34	SCALES		0		
	0508	4	6228	Mountain whitefish	260	160	SCALES		0	PIT	900026000055911
	0508	4	6229	Mountain whitefish	150	38	SCALES		0		
	0508	4	6230	Mountain whitefish	268	202	SCALES		0	PIT	900026000188272
	0508	4	6231	Mountain whitefish	305	278	SCALES		2	PIT	965000000070124
	0508	4	6232	Mountain whitefish	229	120	SCALES		0		
	0508	4	6233	Mountain whitefish	430	598	SCALES		2	PIT	9650000000246660
	0508	4	6234	Mountain whitefish	257	194	SCALES		0	PIT	900026000186830
	0508	4	6235	Mountain whitefish	290	240	SCALES		0	PIT	900026000185995
	0508	4	6236	Mountain whitefish	194	74	SCALES		0		
	0508	4	6237	Mountain whitefish	351	392	SCALES		0	PIT	900026000186477
	0508	4	6238	Mountain whitefish	307	260	SCALES		2	PIT	900026000188110
	0508	4	6239	Mountain whitefish	406	620	SCALES	7	0	PIT	900026000188778
	0508	4	6240	Mountain whitefish	297	258	SCALES		0	PIT	900026000186381
	0508	4	6241	Mountain whitefish	366	402	SCALES	9	0	PIT	900026000186633
	0508	4	6242	Mountain whitefish	285	244	SCALES		0	PIT	900026000186419
	0508	4	6243	Mountain whitefish	317	296	SCALES		0	PIT	900026000051569
	0508	4	6244	Bull trout	292	264	SCALES/FIN RAY	4	0	PIT	900026000155079

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0508	4	6245	Mountain whitefish	224	108	SCALES		0		
	0508	4	6246	Mountain whitefish	304	336	SCALES		0	PIT	900026000147915
	0503	5	6274	Mountain whitefish	363	530	SCALES/OTOLITH		9		
	0503	5	6275	Mountain whitefish	367	532	SCALES/OTOLITH		9		
	0503	5	6276	Mountain whitefish	246	170	SCALES/OTOLITH		9		
	0501	5	6277	Bull trout	227	102	SCALES/FIN RAY	2	0	PIT	900026000054016
	0501	5	6278	Mountain whitefish	346	400	SCALES/OTOLITH		9		
	0501	5	6279	Mountain whitefish	352	532	SCALES/OTOLITH		9		
	0501	5	6280	Mountain whitefish	249	176	SCALES/OTOLITH		9		
	0501	5	6281	Mountain whitefish	249	180	SCALES/OTOLITH		9		
	0501	5	6282	Mountain whitefish	232	162	SCALES/OTOLITH		9		
	0501	5	6283	Mountain whitefish	230	146	SCALES/OTOLITH		9		
	0504	5	6284	Mountain whitefish	355	536	SCALES/OTOLITH		9		
	0504	5	6285	Mountain whitefish	365	434	SCALES/OTOLITH		9		
	0504	5	6286	Mountain whitefish	236	152	SCALES/OTOLITH		9		
	0504	5	6287	Mountain whitefish	219	106	SCALES/OTOLITH		9		
	0502	5	6288	Mountain whitefish	233	134	SCALES/OTOLITH		9		
	0502	5	6289	Mountain whitefish	232	134	SCALES/OTOLITH		9		
	0502	5	6290	Mountain whitefish	247	172	SCALES/OTOLITH		9		
	0502	5	6291	Mountain whitefish	244	168	SCALES/OTOLITH		9		
	0502	5	6292	Mountain whitefish	274	260	SCALES/OTOLITH		9		
	0506	5	6293	Mountain whitefish	272	150	SCALES/OTOLITH		9		
	0509	5	6294	Mountain whitefish	332	262	SCALES/OTOLITH		9		
	0509	5	6295	Mountain whitefish	359	356	SCALES/OTOLITH		9		
	0510	5	6296	Mountain whitefish	312	240	SCALES/OTOLITH		3	PIT	965000000077510
	0510	5	6297	Mountain whitefish	332	244	SCALES/OTOLITH		3	PIT	965000000247523
	0511	5	6298	Mountain whitefish	372	358	SCALES/OTOLITH		3	PIT	900026000186446
	0511	5	6299	Mountain whitefish	365	366	SCALES/OTOLITH		3	PIT	4D00031749
	0511	5	6300	Mountain whitefish	354	304	SCALES/OTOLITH		3	PIT	900026000053044
	0511	5	6301	Mountain whitefish	334	288	SCALES/OTOLITH		1		
	0508	5	6302	Bull trout	294	260	SCALES/FIN RAY	3	0	PIT	900026000155133
	0504	6	6344	Mountain whitefish	390	434	SCALES/OTOLITH		3	PIT	0A00711226
	0504	6	6345	Mountain whitefish	363	382	SCALES/OTOLITH		9		
	0502	6	6346	Mountain whitefish	309	238	SCALES/OTOLITH		3	PIT	900026000060525
	0502	6	6347	Mountain whitefish	398	684	SCALES/OTOLITH		9		
	0502	6	6348	Mountain whitefish	300	336	SCALES/OTOLITH		9		
	0505	6	6349	Mountain whitefish	409	562	SCALES/OTOLITH		9		
	0505	6	6350	Mountain whitefish	352	428	SCALES/OTOLITH		9		
	0506	6	6351	Mountain whitefish	282	264	SCALES/OTOLITH		9		
	0507	6	6352	Bull trout	280	220	SCALES/FIN RAY	3	0	PIT	900026000155127
	0509	6	6353	Bull trout	367	530	FIN RAY	4	0	PIT	900026000147025
	0509	6	6354	Bull trout	268	230	SCALES/FIN RAY	3	0	PIT	900026000055263
	0509	6	6355	Mountain whitefish	349	338	SCALES/OTOLITH		3	PIT	900026000054908
	0509	6	6356	Mountain whitefish	412	590	SCALES/OTOLITH		3	PIT	965000000246225
	0509	6	6357	Mountain whitefish	357	416	SCALES/OTOLITH		9		
	0507	6	6358	Mountain whitefish	337	376	SCALES/OTOLITH		9		
	0507	6	6359	Mountain whitefish	336	338	SCALES/OTOLITH		9		
	0512	6	6360	Mountain whitefish	273	274	SCALES/OTOLITH		9		
	0512	6	6361	Mountain whitefish	369	370	SCALES/OTOLITH		9		
	0510	6	6362	Bull trout	234	124	SCALES/FIN RAY	3	0	PIT	900026000154813
	0510	6	6363	Bull trout	283	246	SCALES/FIN RAY	3	0	PIT	900026000155410

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0510	6	6364	Mountain whitefish	436	906	SCALES/OTOLITH	9			
	0510	6	6365	Mountain whitefish	339	304	SCALES/OTOLITH	9			
	0510	6	6366	Mountain whitefish	310	214	SCALES/OTOLITH	9			
	0511	6	6367	Mountain whitefish	307	264	SCALES/OTOLITH	3	PIT	900026000147143	
	0511	6	6368	Mountain whitefish	355	356	SCALES/OTOLITH	7	3	PIT	900026000055596
	0515	6	6369	Bull trout	828	5650	FIN RAY	8	0	PIT	900026000147640
	0513	6	6370	Bull trout	728	4050	FIN RAY	8	0	PIT	900026000154523
	0513	6	6371	Mountain whitefish	373	380	SCALES/OTOLITH	9			
	0513	6	6372	Mountain whitefish	347	294	SCALES/OTOLITH	3	PIT	965000000238615	
	0508	6	6373	Bull trout	281	224	SCALES/FIN RAY	4	0	PIT	900026000155003
	0508	6	6374	Bull trout	502	1158	FIN RAY	6	0	PIT	900026000147035
	0508	6	6375	Mountain whitefish	404	668	SCALES/OTOLITH	9			
	0503	1	6632	Largescale sucker	494	1404		0			
	0503	1	6633	Longnose sucker	408	878		2	PIT	965000000085911	
	0503	1	6634	Longnose sucker	355	598		0			
	0503	1	6635	Longnose sucker	406	828		0			
	0503	1	6636	Longnose sucker	376	648		0			
	0503	1	6637	Longnose sucker	391	776		0			
	0503	1	6638	Longnose sucker	280	300		0			
	0503	1	6639	Longnose sucker	452	1200		0			
	0503	1	6640	Longnose sucker	408	814		0			
	0503	1	6641	Longnose sucker	374	682		0			
	0503	1	6642	Kokanee	251	170		0			
	0503	1	6643	Longnose sucker	209	124		0			
	0503	1	6644	Largescale sucker	230	150		0			
	0501	1	6645	Longnose sucker	235	176		0			
	0501	1	6646	Longnose sucker	301	318		0			
	0501	1	6647	Walleye	406	708		2	PIT	900026000034852	
	0501	1	6648	Longnose sucker	240	168		0			
	0501	1	6649	Longnose sucker	388	786		0			
	0501	1	6650	Longnose sucker	401	760		0			
	0501	1	6651	White sucker	118	20		0			
	0501	1	6652	Longnose sucker	177	66		0			
	0501	1	6653	Longnose sucker	302	338		0			
	0501	1	6654	Longnose sucker	278	262		0			
	0501	1	6655	Longnose sucker	385	692		0			
	0501	1	6656	Longnose sucker	219	138		0			
	0501	1	6657	Longnose sucker	252	186		0			
	0501	1	6658	White sucker	403	794		0			
	0502	1	6659	Longnose sucker	321	450		0			
	0502	1	6660	Longnose sucker	442	996		0			
	0502	1	6661	White sucker	447	1146		0			
	0502	1	6662	Longnose sucker	274	254		0			
	0502	1	6663	Longnose sucker	354	564		0			
	0502	1	6664	Longnose sucker	367	592		0			
	0502	1	6665	Longnose sucker	387	740		0			
	0502	1	6666	Longnose sucker	333	560		0			
	0502	1	6667	Longnose sucker	374	688		0			
	0502	1	6668	Longnose sucker	223	142		0			
	0502	1	6669	Longnose sucker	398	860		0			
	0502	1	6670	Largescale sucker	462	1228		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0502	1	6671	Longnose sucker	342	490			0			
0502	1	6672	Northern pikeminnow	113	16			0			
0502	1	6673	Longnose sucker	350	550			0			
0502	1	6674	Longnose sucker	215	142			0			
0502	1	6675	White sucker	242	182			0			
0502	1	6676	Longnose sucker	218	132			0			
0502	1	6677	Longnose sucker	216	136			0			
0504	1	6678	Northern pikeminnow	370	556			0			
0504	1	6679	Longnose sucker	300	350			0			
0504	1	6680	Longnose sucker	380	628			0			
0504	1	6681	Longnose sucker	422	1002			0			
0504	1	6682	Longnose sucker	391	578			0			
0504	1	6683	Longnose sucker	312	380			0			
0504	1	6684	Longnose sucker	454	1124			0			
0504	1	6685	Longnose sucker	392	796			0			
0505	1	6686	Walleye	528	1588			0			
0505	1	6687	Largescale sucker	544	1854			0			
0505	1	6688	Largescale sucker	491	1480			0			
0505	1	6689	Longnose sucker	338	512			0			
0505	1	6690	Longnose sucker	347	546			0			
0505	1	6691	Longnose sucker	132	26			0			
0506	1	6692	Longnose sucker	264	210			0			
0506	1	6693	Largescale sucker	413	926			0			
0506	1	6694	Longnose sucker	404	838			0			
0506	1	6695	Longnose sucker	295	324			0			
0506	1	6696	Walleye	367	580			0			
0506	1	6697	Longnose sucker	189	80			0			
0506	1	6698	Longnose sucker	400	702			2	PIT	965000000279160	
0506	1	6699	Longnose sucker	372	548			0			
0506	1	6700	Longnose sucker	150	32			0			
0506	1	6701	Walleye	549	1748			0			
0507	1	6702	Longnose sucker	408	924			0			
0507	1	6703	Northern pikeminnow	98	10			0			
0507	1	6704	Northern pikeminnow	207	96			0			
0507	1	6705	Longnose sucker	418	1036			0			
0507	1	6706	Longnose sucker	379	766			0			
0507	1	6707	Longnose sucker	400	856			0			
0507	1	6708	Longnose sucker	306	368			0			
0507	1	6709	Largescale sucker	175	78			0			
0509	1	6710	Longnose sucker	398	696			0			
0509	1	6711	Longnose sucker	363	598			0			
0509	1	6712	Longnose sucker	358	602			0			
0509	1	6713	Largescale sucker	266	222			0			
0509	1	6714	Longnose sucker	377	652			0			
0509	1	6715	Longnose sucker	387	768			0			
0509	1	6716	Longnose sucker	210	118			0			
0509	1	6717	Longnose sucker	228	138			0			
0509	1	6718	Longnose sucker	339	494			0			
0509	1	6719	Longnose sucker	254	208			0			
0509	1	6720	Largescale sucker	184	76			0			
0512	1	6721	Walleye	409	664			0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0512	1	6722	Walleye	502	1466			0			
0512	1	6723	Walleye	382	612			0			
0512	1	6724	Walleye	470	1096			2	PIT	900026000084022	
0512	1	6725	Walleye	385	648			0			
0512	1	6726	Longnose sucker	403	912			2	PIT	965000000088170	
0512	1	6727	Longnose sucker	379	658			0			
0512	1	6728	Longnose sucker	402	532			0			
0512	1	6729	Longnose sucker	370	586			0			
0512	1	6730	Longnose sucker	440	1012			0			
0512	1	6731	Walleye	401	716			0			
0510	1	6732	Longnose sucker	405	746			0			
0510	1	6733	Largescale sucker	504	1584			0			
0510	1	6734	Longnose sucker	250	188			0			
0510	1	6735	Largescale sucker	267	204			0			
0510	1	6736	Longnose sucker	414	842			0			
0510	1	6737	Longnose sucker	312	362			0			
0510	1	6738	Longnose sucker	187	84			0			
0510	1	6739	Longnose sucker	253	202			0			
0510	1	6740	Kokanee	203	80			0			
0510	1	6741	Largescale sucker	274	234			0			
0511	1	6742	Longnose sucker	230	134			0			
0511	1	6743	Largescale sucker	87	8			0			
0511	1	6744	Longnose sucker	304	352			0			
0511	1	6745	Longnose sucker	212	114			0			
0511	1	6746	Longnose sucker	401	788			0			
0515	1	6747	Northern pikeminnow	498	1276			0			
0515	1	6748	Longnose sucker	379	690			0			
0515	1	6749	Longnose sucker	396	762			0			
0515	1	6750	Longnose sucker	412	760			0			
0515	1	6751	Longnose sucker	401	834			0			
0515	1	6752	Longnose sucker	412	852			0			
0515	1	6753	Longnose sucker	395	730			0			
0515	1	6754	Longnose sucker	400	732			0			
0515	1	6755	Longnose sucker	410	824			0			
0515	1	6756	Longnose sucker	376	682			0			
0515	1	6757	Longnose sucker	405	822			0			
0515	1	6758	Longnose sucker	372	612			0			
0515	1	6759	Longnose sucker	456	1192			0			
0515	1	6760	Longnose sucker	407	824			0			
0515	1	6761	Longnose sucker	400	672			0			
0515	1	6762	White sucker	364	652			0			
0515	1	6763	Longnose sucker	394	734			0			
0515	1	6764	Longnose sucker	362	614			0			
0515	1	6765	Longnose sucker	300	384			0			
0515	1	6766	Longnose sucker	384	662			0			
0515	1	6767	Longnose sucker	421	878			0			
0515	1	6768	Longnose sucker	217	138			0			
0515	1	6769	Longnose sucker	142	36			0			
0513	1	6770	Longnose sucker	408	816			0			
0513	1	6771	Longnose sucker	504	1172			0			
0513	1	6772	Longnose sucker	294	358			0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0513	1	6773	Longnose sucker	403	820			0			
0513	1	6774	Longnose sucker	386	726			0			
0513	1	6775	Longnose sucker	371	628			0			
0513	1	6776	Longnose sucker	430	988			0			
0513	1	6777	Longnose sucker	224	142			0			
0513	1	6778	Longnose sucker	428	1002			0			
0513	1	6779	Longnose sucker	438	910			0			
0513	1	6780	Longnose sucker	257	210			0			
0513	1	6781	Longnose sucker	459	1116			2	PIT	900026000034167	
0514	1	6782	Longnose sucker	426	912			0			
0514	1	6783	Longnose sucker	409	840			0			
0514	1	6784	Longnose sucker	428	892			0			
0514	1	6785	Longnose sucker	377	658			0			
0514	1	6786	Longnose sucker	378	684			0			
0514	1	6787	Longnose sucker	389	778			0			
0514	1	6788	Longnose sucker	415	850			0			
0514	1	6789	Longnose sucker	374	690			2	PIT	965000000087237	
0514	1	6790	Longnose sucker	290	284			0			
0514	1	6791	Longnose sucker	159	50			0			
0514	1	6792	Longnose sucker	408	906			0			
0514	1	6793	Longnose sucker	385	766			0			
0508	1	6794	Longnose sucker	417	908			0			
0508	1	6795	Longnose sucker	386	724			0			
0508	1	6796	White sucker	529	1718			0			
0508	1	6797	Longnose sucker	381	720			0			
0503	2	6969	Longnose sucker	371	708			0			
0503	2	6970	Longnose sucker	413	830			0			
0503	2	6971	Longnose sucker	380	708			0			
0503	2	6972	Longnose sucker	389	736			0			
0503	2	6973	Longnose sucker	413	878			0			
0503	2	6974	Longnose sucker	419	926			0			
0501	2	6975	Longnose sucker	250	184			0			
0501	2	6976	Longnose sucker	242	182			0			
0501	2	6977	Longnose sucker	248	188			0			
0501	2	6978	Longnose sucker	345	564			0			
0501	2	6979	Longnose sucker	313	412			0			
0501	2	6980	Largescale sucker	485	1310			0			
0501	2	6981	Longnose sucker	216	124			0			
0501	2	6982	Longnose sucker	244	172			0			
0501	2	6983	Longnose sucker	213	126			0			
0501	2	6984	Longnose sucker	325	468			0			
0501	2	6985	Longnose sucker	189	86			0			
0501	2	6986	Longnose sucker	269	260			0			
0501	2	6987	Longnose sucker	436	1012			0			
0501	2	6988	Longnose sucker	156	48			0			
0501	2	6989	Longnose sucker	375	698			0			
0501	2	6990	Longnose sucker	194	88			0			
0501	2	6991	Longnose sucker	257	198			0			
0501	2	6992	Longnose sucker	309	376			0			
0501	2	6993	Longnose sucker	265	252			0			
0501	2	6994	Longnose sucker	246	174			0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0501	2	6995	Longnose sucker	225	132		0			
	0501	2	6996	Largescale sucker	178	70		0			
	0501	2	6997	Longnose sucker	203	102		0			
	0501	2	6998	Longnose sucker	242	174		0			
	0501	2	6999	Longnose sucker	179	72		0			
	0501	2	7000	Longnose sucker	226	150		0			
	0501	2	7001	Longnose sucker	243	190		0			
	0502	2	7002	Largescale sucker	415	830		0			
	0502	2	7003	Longnose sucker	422	1100		0			
	0502	2	7004	Longnose sucker	317	420		0			
	0502	2	7005	Longnose sucker	422	962		0			
	0502	2	7006	Longnose sucker	384	708		0			
	0502	2	7007	Largescale sucker	468	1238		0			
	0502	2	7008	Longnose sucker	269	270		0			
	0502	2	7009	Longnose sucker	359	582		0			
	0502	2	7010	Longnose sucker	398	696		0			
	0505	2	7011	Largescale sucker	479	1390		0			
	0505	2	7012	Largescale sucker	489	1370		0			
	0505	2	7013	Largescale sucker	368	608		0			
	0505	2	7014	Longnose sucker	394	432		0			
	0505	2	7015	Longnose sucker	304	422		0			
	0505	2	7016	Longnose sucker	387	672		0			
	0505	2	7017	Longnose sucker	360	586		0			
	0505	2	7018	Longnose sucker	328			0			
	0505	2	7019	Longnose sucker	259	172		0			
	0506	2	7020	Longnose sucker	375	680		0			
	0506	2	7021	Longnose sucker	370	730		0			
	0506	2	7022	Longnose sucker	395	726		0			
	0506	2	7023	Longnose sucker	406	926		0			
	0506	2	7024	Longnose sucker	392	772		0			
	0506	2	7025	Longnose sucker	423	1018		0			
	0506	2	7026	Largescale sucker	378	620		0			
	0506	2	7027	Longnose sucker	391			0			
	0506	2	7028	Longnose sucker	416	730		0			
	0506	2	7029	Longnose sucker	473	1240		0			
	0506	2	7030	Largescale sucker	445	1212		0			
	0506	2	7031	Longnose sucker	388	774		0			
	0506	2	7032	Longnose sucker	293	318		0			
	0507	2	7034	Longnose sucker	317	462		0			
	0507	2	7035	Longnose sucker	363	508		0			
	0509	2	7036	Longnose sucker	395	642		0			
	0509	2	7037	Longnose sucker	436	997		0			
	0509	2	7038	Longnose sucker	440	1042		0			
	0509	2	7039	Longnose sucker	414	1008		0			
	0509	2	7040	Longnose sucker	331			0			
	0509	2	7041	Longnose sucker	340	528		2	PIT	900026000035503	
	0509	2	7042	Longnose sucker	377	766		0			
	0509	2	7043	Longnose sucker	377	658		0			
	0509	2	7044	Longnose sucker	419	970		0			
	0509	2	7045	Longnose sucker	392	804		0			
	0509	2	7046	Longnose sucker	367	620		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0509	2	7047	Longnose sucker	396	882		0			
	0509	2	7048	Longnose sucker	260	262		0			
	0512	2	7049	Northern pikeminnow	493	1466		0			
	0512	2	7050	Longnose sucker	404	782		0			
	0512	2	7051	Longnose sucker	373	785		0			
	0512	2	7052	Largescale sucker	502	1406		0			
	0512	2	7053	Longnose sucker	457	1146		0			
	0512	2	7054	Longnose sucker	364	680		0			
	0512	2	7055	Longnose sucker	437	1001		0			
	0512	2	7056	Longnose sucker	442	1112		0			
	0512	2	7057	Longnose sucker	414	830		0			
	0512	2	7058	Longnose sucker	405	874		0			
	0512	2	7059	Longnose sucker	401	708		0			
	0512	2	7060	Largescale sucker	381	622		0			
	0512	2	7061	Longnose sucker	379	648		0			
	0512	2	7062	Longnose sucker	398	888		0			
	0512	2	7063	Longnose sucker	360	574		0			
	0512	2	7064	Longnose sucker	399	720		0			
	0512	2	7065	Kokanee	160	48		0			
	0510	2	7066	Longnose sucker	423	942		0			
	0510	2	7067	Longnose sucker	406	654		0			
	0510	2	7068	Longnose sucker	467	1296		0			
	0510	2	7069	Longnose sucker	417	894		0			
	0510	2	7070	Longnose sucker	361	612		0			
	0510	2	7071	Longnose sucker	391	726		0			
	0510	2	7072	Longnose sucker	397	862		0			
	0510	2	7073	Longnose sucker	439	748		0			
	0510	2	7074	Longnose sucker	426	854		0			
	0510	2	7075	Longnose sucker	408	794		0			
	0510	2	7076	Largescale sucker	381	630		0			
	0510	2	7077	Longnose sucker	252	206		0			
	0510	2	7078	Longnose sucker	377	636		0			
	0510	2	7079	Longnose sucker	407	848		0			
	0511	2	7080	Longnose sucker	384	698		0			
	0511	2	7081	Longnose sucker	443	920		0			
	0511	2	7082	Longnose sucker	429	958		0			
	0511	2	7083	Longnose sucker	405	736		0			
	0511	2	7084	Longnose sucker	393	836		0			
	0511	2	7085	Longnose sucker	325	450		0			
	0511	2	7086	Longnose sucker	391	642		2	PIT	965000000279399	
	0515	2	7087	Longnose sucker	440	1098		0			
	0515	2	7088	Longnose sucker	414	956		0			
	0515	2	7089	Longnose sucker	412	844		0			
	0515	2	7090	Longnose sucker	402	736		0			
	0515	2	7091	Longnose sucker	434	936		0			
	0515	2	7092	Longnose sucker	392	770		0			
	0515	2	7093	Longnose sucker	392	782		0			
	0515	2	7094	Longnose sucker	407	824		0			
	0515	2	7095	White sucker	362	592		0			
	0515	2	7096	Longnose sucker	392	754		0			
	0515	2	7097	Longnose sucker	429	940		2	PIT	900026000035507	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0513	2	7098	Longnose sucker	404	844		0			
	0513	2	7099	Longnose sucker	374	668		2	PIT	965000000075022	
	0513	2	7100	Longnose sucker	387	726		0			
	0513	2	7101	Longnose sucker	390	740		0			
	0513	2	7102	Longnose sucker	444	1034		0			
	0513	2	7103	Longnose sucker	272	254		0			
	0513	2	7104	Largescale sucker	183	74		0			
	0514	2	7105	Longnose sucker	396	794		0			
	0514	2	7106	Longnose sucker	420	858		0			
	0514	2	7107	Longnose sucker	394	772		2	PIT	965000000076211	
	0514	2	7108	Longnose sucker	362	674		0			
	0514	2	7109	Longnose sucker	363	568		0			
	0514	2	7110	White sucker	373	672		0			
	0514	2	7111	Longnose sucker	421	850		0			
	0514	2	7112	Longnose sucker	420	1006		0			
	0514	2	7113	Longnose sucker	386	750		0			
	0514	2	7114	Largescale sucker	539	1702		0			
	0514	2	7115	Longnose sucker	368	668		0			
	0508	2	7116	Longnose sucker	459	1274		0			
	0508	2	7117	Longnose sucker	377	754		0			
	0508	2	7118	Longnose sucker	407	946		0			
	0508	2	7119	Longnose sucker	387	786		0			
	0508	2	7120	Longnose sucker	391	788		0			
	0508	2	7121	Largescale sucker	537	1938		0			
	0508	2	7122	Longnose sucker	464	1164		0			
	0508	2	7123	Longnose sucker	438	998		0			
	0508	2	7124	Longnose sucker	393	838		0			
	0508	2	7125	Longnose sucker	430	912		0			
	0508	2	7126	Largescale sucker	220	124		0			
	0508	2	7127	Longnose sucker	242	176		0			
	0508	2	7128	Longnose sucker	279	266		0			
	0508	2	7129	Longnose sucker	149	36		0			
	0503	3	7248	Longnose sucker	407	870		0			
	0503	3	7249	Longnose sucker	373	646		0			
	0501	3	7250	Longnose sucker	320	376		0			
	0501	3	7251	Longnose sucker	266	236		0			
	0501	3	7252	Longnose sucker	187	86		0			
	0501	3	7253	Longnose sucker	187	82		0			
	0501	3	7254	Longnose sucker	204	108		0			
	0501	3	7255	Longnose sucker	178	70		0			
	0501	3	7256	Longnose sucker	208	108		0			
	0501	3	7257	Longnose sucker	217	132		0			
	0501	3	7258	Largescale sucker	202	104		0			
	0501	3	7259	Longnose sucker	167	54		0			
	0502	3	7260	Longnose sucker	373	678		0			
	0502	3	7261	Longnose sucker	356	548		0			
	0502	3	7262	Longnose sucker	213	136		0			
	0505	3	7263	Walleye	543	2000		0			
	0505	3	7264	Lake trout	457	828		0			
	0505	3	7265	Longnose sucker	424	1014		0			
	0505	3	7266	Longnose sucker	360	634		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0505	3	7267	Longnose sucker	428	1000		0			
	0505	3	7268	Longnose sucker	372	624		0			
	0505	3	7269	Longnose sucker	349	566		0			
	0505	3	7270	Longnose sucker	409	1000		0			
	0505	3	7271	Longnose sucker	274	260		0			
	0505	3	7272	Longnose sucker	264	240		0			
	0506	3	7273	Walleye	445	1040		0			
	0506	3	7274	Longnose sucker	392	700		0			
	0506	3	7275	Longnose sucker	398	808		0			
	0506	3	7276	Longnose sucker	372	752		0			
	0506	3	7277	Longnose sucker	394	752		0			
	0506	3	7278	Longnose sucker	378	660		0			
	0506	3	7279	Walleye	359	468		0			
	0506	3	7280	Walleye	310	340		0			
	0506	3	7281	Walleye	421	612		0			
	0506	3	7282	Walleye	358	528		0			
	0506	3	7283	Longnose sucker	172	50		0			
	0507	3	7284	Largescale sucker	242	112		0			
	0509	3	7285	Longnose sucker	410	848		0			
	0509	3	7286	Longnose sucker	401	822		0			
	0509	3	7287	Longnose sucker	420	958		0			
	0509	3	7288	Longnose sucker	394	790		0			
	0509	3	7289	Longnose sucker	264	196		0			
	0509	3	7290	Longnose sucker	368	640		0			
	0509	3	7291	Largescale sucker	191	84		0			
	0509	3	7292	Longnose sucker	233	154		0			
	0512	3	7293	Largescale sucker	484	1342		0			
	0512	3	7294	Longnose sucker	386	696		0			
	0512	3	7295	Longnose sucker	448	1136		0			
	0512	3	7296	Longnose sucker	412	826		0			
	0512	3	7297	Longnose sucker	367	578		0			
	0512	3	7298	Walleye	426	930		0			
	0512	3	7299	Walleye	434	844		0			
	0512	3	7300	Walleye	417	778		0			
	0510	3	7301	Longnose sucker	425	1106		0			
	0510	3	7302	Largescale sucker	440	1060		0			
	0510	3	7303	Longnose sucker	424	1004		0			
	0510	3	7304	Walleye	412	786		0			
	0510	3	7305	Longnose sucker	379	658		0			
	0510	3	7306	Longnose sucker	383	698		0			
	0510	3	7307	Longnose sucker	345	558		0			
	0511	3	7308	Longnose sucker	391	780		0			
	0511	3	7309	Longnose sucker	459	1242		0			
	0511	3	7310	Longnose sucker	395	902		0			
	0515	3	7311	Longnose sucker	375	575		0			
	0515	3	7312	Longnose sucker	402	740		0			
	0515	3	7313	Longnose sucker	385	658		0			
	0515	3	7314	Largescale sucker	388	674		0			
	0515	3	7315	Longnose sucker	400	882		0			
	0513	3	7316	Longnose sucker	410	892		0			
	0513	3	7317	Longnose sucker	400	780		0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0513	3	7318	Longnose sucker	414	812			2	PIT	965000000279922	
0513	3	7319	Longnose sucker	356	614			0			
0513	3	7320	Longnose sucker	383	604			0			
0513	3	7321	Longnose sucker	368	634			0			
0513	3	7322	Longnose sucker	389	812			0			
0513	3	7323	Longnose sucker	420	880			0			
0513	3	7324	Longnose sucker	377	666			0			
0513	3	7325	Longnose sucker	398	812			0			
0513	3	7326	Longnose sucker	354	508			0			
0514	3	7327	Longnose sucker	235	152			0			
0514	3	7328	Longnose sucker	413	908			0			
0514	3	7329	Longnose sucker	384	724			0			
0514	3	7330	Longnose sucker	405	802			0			
0514	3	7331	Longnose sucker	426	984			0			
0514	3	7332	Largescale sucker	192	98			0			
0508	3	7333	Largescale sucker	461	1336			0			
0508	3	7334	Longnose sucker	293	336			0			
0508	3	7335	Longnose sucker	384	688			0			
0508	3	7336	Longnose sucker	371	740			0			
0508	3	7337	Longnose sucker	237	156			0			
0508	3	7338	Longnose sucker	237	146			0			
0508	3	7339	Longnose sucker	214	106			0			
0508	3	7340	Longnose sucker	255	202			0			
0501	4	7431	Largescale sucker	413	770			0			
0501	4	7432	Longnose sucker	322	416			0			
0501	4	7433	Longnose sucker	309	362			0			
0501	4	7434	Northern pikeminnow	228	122			0			
0501	4	7435	Largescale sucker	205	114			0			
0501	4	7436	Longnose sucker	267	238			0			
0501	4	7437	White sucker	225	138			0			
0501	4	7438	Largescale sucker	190	84			0			
0505	4	7439	Walleye	452	1032			0			
0505	4	7440	Longnose sucker	388	690			0			
0505	4	7441	Longnose sucker	382	638			0			
0505	4	7442	Longnose sucker	434	980			0			
0505	4	7443	Longnose sucker	378	674			0			
0505	4	7444	Longnose sucker	257	208			0			
0506	4	7445	White sucker	366	628			0			
0506	4	7446	Longnose sucker	377	646			2	PIT	965000000089683	
0506	4	7447	White sucker	399	762			0			
0506	4	7448	Largescale sucker	447	1052			0			
0506	4	7449	Longnose sucker	226	146			0			
0506	4	7450	Longnose sucker	224	138			0			
0506	4	7451	Largescale sucker	116	16			0			
0507	4	7452	Longnose sucker	389	824			0			
0507	4	7453	Longnose sucker	417	976			0			
0507	4	7454	Longnose sucker	250	204			0			
0509	4	7455	Longnose sucker	388	816			0			
0509	4	7456	Longnose sucker	365	612			0			
0509	4	7457	Longnose sucker	371	714			0			
0509	4	7458	Largescale sucker	235	182			0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0509	4	7459	Longnose sucker	244	168		0			
	0512	4	7460	Largescale sucker	521	1492		0			
	0512	4	7461	Longnose sucker	437	1000		0			
	0512	4	7462	White sucker	366	680		0			
	0512	4	7463	White sucker	297	366		0			
	0510	4	7464	Longnose sucker	375	616		0			
	0510	4	7465	Longnose sucker	330	454		0			
	0510	4	7466	Longnose sucker	317	392		0			
	0511	4	7467	Longnose sucker	422	842		0			
	0511	4	7468	Longnose sucker	97	12		0			
	0515	4	7469	Walleye	571	1976		0			
	0515	4	7470	Longnose sucker	256	202		0			
	0515	4	7471	Longnose sucker	247	194		0			
	0513	4	7472	Longnose sucker	451	1116		0			
	0514	4	7473	Longnose sucker	326	390		0			
	0514	4	7474	Longnose sucker	392	752		0			
	0508	4	7475	Walleye	431	860		0			
	0508	4	7476	White sucker	408	888		0			
	0508	4	7477	Longnose sucker	369	646		0			
	0508	4	7478	Northern pikeminnow	234	132		0			
	0508	4	7479	Longnose sucker	302	350		0			
	0503	5	8639	Mountain whitefish	286			2	PIT	900026000056566	
	0503	5	8640	Mountain whitefish	281			2	PIT	900026000155229	
	0503	5	8641	Mountain whitefish	336			2	PIT	965000000005177	
	0503	5	8642	Mountain whitefish	291			2	PIT	900026000056915	
	0503	5	8643	Mountain whitefish	293			2	PIT	900026000051271	
	0503	5	8644	Mountain whitefish	324			2	PIT	965000000247366	
	0503	5	8645	Mountain whitefish	314			2	PIT	965000000244696	
	0503	5	8646	Mountain whitefish	281			2	PIT	965000000278445	
	0503	5	8647	Mountain whitefish	287			2	PIT	900026000186899	
	0503	5	8648	Mountain whitefish	283			2	PIT	900026000148139	
	0503	5	8649	Mountain whitefish	300			2	PIT	900026000186031	
	0501	5	8650	Mountain whitefish	314			2	PIT	965000000091942	
	0501	5	8651	Mountain whitefish	267			2	PIT	900026000186276	
	0501	5	8652	Mountain whitefish	300			2	PIT	900026000083760	
	0501	5	8653	Mountain whitefish	306			2	PIT	965000000281336	
	0501	5	8654	Mountain whitefish	267			2	PIT	900026000061862	
	0501	5	8655	Mountain whitefish	265			2	PIT	900026000188617	
	0501	5	8656	Mountain whitefish	304			2	PIT	900026000064179	
	0501	5	8657	Mountain whitefish	290			2	PIT	900026000155471	
	0504	5	8658	Mountain whitefish	347			2	PIT	965000000246489	
	0504	5	8659	Mountain whitefish	279			2	PIT	900026000054294	
	0504	5	8660	Mountain whitefish	353			2	PIT	900026000054923	
	0504	5	8661	Mountain whitefish	348			2	PIT	900026000055477	
	0504	5	8662	Mountain whitefish	297			2	PIT	900026000147804	
	0504	5	8663	Mountain whitefish	323			2	PIT	965000000244372	
	0504	5	8664	Mountain whitefish	318			2	PIT	965000000080514	
	0504	5	8665	Mountain whitefish	367			2	PIT	965000000245181	
	0504	5	8666	Mountain whitefish	402			2	PIT	4D00021078	
	0504	5	8667	Mountain whitefish	306			2	PIT	900026000188257	
	0504	5	8668	Mountain whitefish	288			2	PIT	900026000188246	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0504	5	8669	Mountain whitefish	302			2	PIT	900026000148236	
	0504	5	8670	Mountain whitefish	263			2	PIT	900026000188530	
	0504	5	8671	Mountain whitefish	298			2	PIT	900026000052269	
	0504	5	8672	Mountain whitefish	279			2	PIT	965000000282765	
	0504	5	8673	Mountain whitefish	289			2	PIT	965000000068482	
	0504	5	8674	Mountain whitefish	301			2	PIT	900026000052883	
	0504	5	8675	Mountain whitefish	312			2	PIT	900026000053996	
	0504	5	8676	Mountain whitefish	251			2	PIT	900026000147946	
	0504	5	8677	Mountain whitefish	298			2	PIT	900026000063632	
	0502	5	8678	Mountain whitefish	307			2	PIT	900026000064818	
	0502	5	8679	Mountain whitefish	320			2	PIT	900026000154510	
	0502	5	8680	Mountain whitefish	308			2	PIT	965000000068782	
	0502	5	8681	Mountain whitefish	347			2	PIT	965000000003391	
	0502	5	8682	Mountain whitefish	366			2	PIT	900026000186505	
	0502	5	8683	Mountain whitefish	298			2	PIT	900026000147804	
	0502	5	8684	Mountain whitefish	298			2	PIT	965000000079732	
	0502	5	8685	Mountain whitefish	350			2	PIT	965000000246489	
	0505	5	8686	Mountain whitefish	297			2	PIT	900026000053834	
	0505	5	8687	Mountain whitefish	338			2	PIT	965000000078106	
	0505	5	8688	Mountain whitefish	296			2	PIT	965000000244949	
	0505	5	8689	Mountain whitefish	319			2	PIT	965000000071735	
	0505	5	8690	Mountain whitefish	266			2	PIT	900026000055796	
	0505	5	8691	Walleye	478			0			
	0505	5	8692	Mountain whitefish	314			2	PIT	900026000056259	
	0505	5	8693	Mountain whitefish	280			2	PIT	900026000186106	
	0505	5	8694	Mountain whitefish	314			2	PIT	900026000188703	
	0505	5	8695	Mountain whitefish	278			2	PIT	900026000054094	
	0505	5	8696	Mountain whitefish	265			2	PIT	900026000186895	
	0505	5	8697	Mountain whitefish	349			2	PIT	965000000247409	
	0505	5	8698	Mountain whitefish	303			2	PIT	965000000064849	
	0506	5	8699	Walleye	474			0			
	0506	5	8700	Walleye	458			0			
	0506	5	8701	Mountain whitefish	304			2	PIT	965000000280988	
	0506	5	8702	Mountain whitefish	306			2	PIT	965000000245755	
	0506	5	8703	Mountain whitefish	264			2	PIT	900026000186390	
	0507	5	8704	Mountain whitefish	283			2	PIT	900026000154935	
	0507	5	8705	Mountain whitefish	287			2	PIT	900026000147455	
	0507	5	8706	Mountain whitefish	292			2	PIT	965000000281582	
	0507	5	8707	Mountain whitefish	275			2	PIT	900026000186803	
	0507	5	8708	Mountain whitefish	297			2	PIT	965000000006564	
	0507	5	8709	Mountain whitefish	330			2	PIT	965000000080148	
	0507	5	8710	Mountain whitefish	353			2	PIT	900026000147859	
	0507	5	8711	Mountain whitefish	308			2	PIT	965000000110511	
	0507	5	8712	Mountain whitefish	318			2	PIT	900026000052124	
	0507	5	8713	Mountain whitefish	277			2	PIT	900026000155393	
	0507	5	8714	Mountain whitefish	304			2	PIT	900026000052017	
	0507	5	8715	Mountain whitefish	431			2	PIT	900026000148689	
	0507	5	8716	Mountain whitefish	268			2	PIT	965000000281755	
	0507	5	8717	Mountain whitefish	277			2	PIT	900026000186905	
	0507	5	8718	Mountain whitefish	402			2	PIT	900026000054799	
	0507	5	8719	Mountain whitefish	307			2	PIT	900026000083200	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0509	5	8720	Mountain whitefish	317			2	PIT	965000000244309	
	0509	5	8721	Mountain whitefish	284			2	PIT	900026000060696	
	0509	5	8722	Mountain whitefish	333			2	PIT	965000000243346	
	0509	5	8723	Mountain whitefish	324			2	PIT	965000000066531	
	0509	5	8724	Mountain whitefish	316			2	PIT	965000000248117	
	0509	5	8725	Mountain whitefish	319			2	PIT	965000000247177	
	0509	5	8726	Northern pike	518			0			
	0509	5	8727	Mountain whitefish	288			2	PIT	900026000061660	
	0509	5	8728	Mountain whitefish	307			2	PIT	900026000188450	
	0509	5	8729	Mountain whitefish	286			2	PIT	965000000248100	
	0509	5	8730	Mountain whitefish	267			2	PIT	900026000061294	
	0509	5	8731	Mountain whitefish	269			2	PIT	900026000057524	
	0509	5	8732	Mountain whitefish	271			2	PIT	900026000056232	
	0509	5	8733	Mountain whitefish	338			2	PIT	900026000154769	
	0509	5	8734	Mountain whitefish	279			2	PIT	965000000072330	
	0509	5	8735	Mountain whitefish	314			2	PIT	900026000057243	
	0512	5	8736	Walleye	419			0			
	0512	5	8737	Mountain whitefish	351			2	PIT	900026000055596	
	0512	5	8738	Mountain whitefish	316			2	PIT	900026000054471	
	0512	5	8739	Mountain whitefish	294			2	PIT	900026000186540	
	0512	5	8740	Mountain whitefish	256			2	PIT	900026000154904	
	0512	5	8741	Mountain whitefish	262			2	PIT	900026000051395	
	0512	5	8742	Mountain whitefish	288			2	PIT	965000000281963	
	0512	5	8743	Bull trout	400			2	PIT	900026000154724	
	0510	5	8744	Mountain whitefish	476			2	PIT	900026000148194	
	0510	5	8745	Mountain whitefish	287			2	PIT	965000000282187	
	0510	5	8746	Mountain whitefish	310			2	PIT	965000000008564	
	0510	5	8747	Mountain whitefish	273			2	PIT	900026000147323	
	0510	5	8748	Mountain whitefish	332			2	PIT	900026000155227	
	0510	5	8749	Mountain whitefish	322			2	PIT	965000000246309	
	0510	5	8750	Mountain whitefish	335			2	PIT	900026000052339	
	0510	5	8751	Mountain whitefish	277			2	PIT	900026000052987	
	0510	5	8752	Mountain whitefish	290			2	PIT	900026000061405	
	0510	5	8753	Mountain whitefish	344			2	PIT	900026000052516	
	0510	5	8754	Mountain whitefish	323			2	PIT	900026000054666	
	0510	5	8755	Mountain whitefish	313			2	PIT	900026000052366	
	0511	5	8756	Mountain whitefish	369			2	PIT	965000000245999	
	0511	5	8757	Mountain whitefish	315			2	PIT	900026000186563	
	0511	5	8758	Mountain whitefish	314			2	PIT	965000000281058	
	0511	5	8759	Mountain whitefish	319			2	PIT	900026000055359	
	0511	5	8760	Mountain whitefish	367			2	PIT	900026000056953	
	0511	5	8761	Mountain whitefish	374			2	PIT	900026000155107	
	0511	5	8762	Mountain whitefish	343			2	PIT	965000000282320	
	0511	5	8763	Mountain whitefish	322			2	PIT	965000000247648	
	0511	5	8764	Mountain whitefish	297			2	PIT	965000000238984	
	0511	5	8765	Mountain whitefish	297			2	PIT	965000000078077	
	0511	5	8766	Mountain whitefish	306			2	PIT	900026000064471	
	0515	5	8767	Mountain whitefish	299			2	PIT	965000000280843	
	0515	5	8768	Mountain whitefish	298			2	PIT	900026000063806	
	0515	5	8769	Mountain whitefish	273			2	PIT	900026000051232	
	0515	5	8770	Mountain whitefish	312			2	PIT	900026000063987	

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0515	5	8771	Mountain whitefish	278			2	PIT	900026000054992	
	0515	5	8772	Mountain whitefish	334			2	PIT	965000000090960	
	0515	5	8773	Mountain whitefish	368			2	PIT	965000000247964	
	0515	5	8774	Mountain whitefish	322			2	PIT	965000000087721	
	0515	5	8775	Mountain whitefish	293			2	PIT	900026000054984	
	0515	5	8776	Mountain whitefish	333			2	PIT	965000000247096	
	0515	5	8777	Mountain whitefish	295			2	PIT	965000000078081	
	0515	5	8778	Mountain whitefish	296			2	PIT	900026000186937	
	0515	5	8779	Mountain whitefish	302			2	PIT	900026000051730	
	0515	5	8780	Mountain whitefish	274			2	PIT	900026000053373	
	0515	5	8781	Mountain whitefish	303			2	PIT	965000000090583	
	0515	5	8782	Mountain whitefish	274			2	PIT	900026000186677	
	0515	5	8783	Mountain whitefish	315			2	PIT	900026000065040	
	0515	5	8784	Mountain whitefish	292			2	PIT	900026000186926	
	0515	5	8785	Mountain whitefish	359			2	PIT	965000000239158	
	0515	5	8786	Mountain whitefish	273			2	PIT	900026000052105	
	0515	5	8787	Mountain whitefish	310			2	PIT	965000000065451	
	0515	5	8788	Mountain whitefish	297			2	PIT	900026000052521	
	0515	5	8789	Mountain whitefish	256			2	PIT	900026000188134	
	0513	5	8790	Mountain whitefish	296			2	PIT	965000000086612	
	0513	5	8791	Mountain whitefish	314			2	PIT	96500000008677	
	0513	5	8792	Mountain whitefish	290			2	PIT	900026000057149	
	0513	5	8793	Mountain whitefish	293			2	PIT	965000000076945	
	0513	5	8794	Mountain whitefish	307			2	PIT	900026000186500	
	0513	5	8795	Mountain whitefish	277			2	PIT	900026000186617	
	0513	5	8796	Mountain whitefish	287			2	PIT	900026000186937	
	0513	5	8797	Mountain whitefish	280			2	PIT	900026000054992	
	0513	5	8798	Mountain whitefish	323			2	PIT	965000000091929	
	0513	5	8799	Mountain whitefish	289			2	PIT	965000000072628	
	0513	5	8800	Mountain whitefish	323			2	PIT	900026000147644	
	0513	5	8801	Mountain whitefish	352			2	PIT	900026000147635	
	0513	5	8802	Mountain whitefish	324			2	PIT	900026000148966	
	0513	5	8803	Mountain whitefish	346			2	PIT	965000000281647	
	0514	5	8804	Mountain whitefish	359			2	PIT	900026000147685	
	0514	5	8805	Mountain whitefish	290			2	PIT	900026000148288	
	0514	5	8806	Mountain whitefish	281			2	PIT	900026000147408	
	0514	5	8807	Mountain whitefish	311			2	PIT	965000000072723	
	0514	5	8808	Mountain whitefish	300			2	PIT	900026000147967	
	0514	5	8809	Mountain whitefish	336			2	PIT	900026000051599	
	0514	5	8810	Mountain whitefish	314			2	PIT	900026000051569	
	0514	5	8811	Mountain whitefish	297			2	PIT	965000000077119	
	0514	5	8812	Mountain whitefish	314			2	PIT	965000000073661	
	0514	5	8813	Mountain whitefish	313			2	PIT	900026000061927	
	0508	5	8814	Mountain whitefish	407			2	PIT	900026000054089	
	0508	5	8815	Mountain whitefish	434			2	PIT	965000000246660	
	0508	5	8816	Mountain whitefish	304			2	PIT	900026000084061	
	0508	5	8817	Mountain whitefish	317			2	PIT	900026000052133	
	0508	5	8818	Mountain whitefish	322			2	PIT	900026000061788	
	0508	5	8819	Mountain whitefish	334			2	PIT	900026000054107	
	0508	5	8820	Mountain whitefish	413			2	FLOY	15034	WHITE
	0508	5	8821	Northern pike	638			0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
	0508	5	8822	Mountain whitefish	280			2	PIT	900026000052773	
	0508	5	8823	Mountain whitefish	364			2	PIT	965000000090853	
	0508	5	8824	Mountain whitefish	261			2	PIT	900026000053854	
	0503	6	10487	Mountain whitefish	292			2	PIT	900026000146273	
	0503	6	10488	Mountain whitefish	297			2	PIT	900026000061942	
	0503	6	10489	Mountain whitefish	317			2	PIT	900026000147809	
	0503	6	10490	Mountain whitefish	296			2	PIT	965000000086120	
	0501	6	10491	Bull trout	310			2	PIT	900026000055139	
	0501	6	10492	Mountain whitefish	324			2	PIT	900026000188800	
	0501	6	10493	Mountain whitefish	294			2	PIT	900026000061568	
	0501	6	10494	Mountain whitefish	313			2	PIT	965000000007109	
	0501	6	10495	Mountain whitefish	251			2	PIT	900026000147946	
	0501	6	10496	Mountain whitefish	306			2	PIT	965000000091807	
	0501	6	10497	Mountain whitefish	323			2	PIT	900026000154648	
	0501	6	10498	Mountain whitefish	265			2	PIT	900026000188617	
	0504	6	10499	Mountain whitefish	369			2	PIT	965000000244561	
	0504	6	10500	Mountain whitefish	317			2	PIT	965000000080514	
	0504	6	10501	Mountain whitefish	286			2	PIT	900026000186410	
	0504	6	10502	Mountain whitefish	284			2	PIT	965000000281496	
	0502	6	10503	Mountain whitefish	262			2	PIT	900026000146144	
	0502	6	10504	Mountain whitefish	330			2	PIT	900026000155227	
	0502	6	10505	Mountain whitefish	314			2	PIT	965000000244504	
	0502	6	10506	Mountain whitefish	314			2	PIT	900026000188703	
	0502	6	10507	Mountain whitefish	287			2	PIT	965000000282485	
	0502	6	10508	Mountain whitefish	287			2	PIT	965000000087951	
	0502	6	10509	Mountain whitefish	296			2	PIT	965000000076958	
	0502	6	10510	Mountain whitefish	257			2	PIT	900026000034883	
	0505	6	10511	Mountain whitefish	308			2	PIT	900026000052176	
	0505	6	10512	Mountain whitefish	267			2	PIT	900026000186014	
	0505	6	10513	Mountain whitefish	274			2	PIT	965000000071222	
	0506	6	10514	Walleye	321			0			
	0506	6	10515	Mountain whitefish	381			2	PIT	900026000052875	
	0507	6	10516	Mountain whitefish	296			2	PIT	900026000186347	
	0507	6	10517	Mountain whitefish	304			2	PIT	965000000069567	
	0507	6	10518	Mountain whitefish	462			2	PIT	900026000184318	
	0509	6	10519	Mountain whitefish	334			2	PIT	965000000067997	
	0509	6	10520	Mountain whitefish	289			2	PIT	965000000108642	
	0509	6	10521	Mountain whitefish	299			2	PIT	900026000035169	
	0509	6	10522	Mountain whitefish	288			2	PIT	965000000248100	
	0509	6	10523	Mountain whitefish	294			2	PIT	965000000069359	
	0509	6	10524	Mountain whitefish	297			2	PIT	900026000186347	
	0509	6	10525	Mountain whitefish	293			2	PIT	900026000186666	
	0512	6	10526	Mountain whitefish	282			2	PIT	900026000148397	
	0512	6	10527	Mountain whitefish	315			2	PIT	900026000054800	
	0512	6	10528	Mountain whitefish	327			2	PIT	965000000066531	
	0512	6	10529	Mountain whitefish	304			2	PIT	900026000055870	
	0512	6	10530	Mountain whitefish	284			2	PIT	965000000111680	
	0510	6	10531	Northern pike	479			0			
	0510	6	10532	Mountain whitefish	363			2	PIT	900026000154687	
	0510	6	10533	Mountain whitefish	354			2	PIT	900026000055596	
	0510	6	10534	Rainbow trout	347			0			

Appendix C Table C1. Biological characteristics data for sampled fish, 2013 Peace River Fish Index Project.

Area and Site Label	Session	FishID	Common Name	Fork Length (mm)	Weight (gm)	Age Structure	Age	Capture Code	Type	Tag Number	Colour
5											
0510	6	10535	Mountain whitefish	283				2	PIT	900026000148397	
0515	6	10536	Mountain whitefish	347				2	PIT	965000000280890	
0515	6	10537	Mountain whitefish	277				2	PIT	900026000056106	
0515	6	10538	Mountain whitefish	285				2	PIT	900026000060560	
0515	6	10539	Mountain whitefish	324				2	PIT	900026000061459	
0515	6	10540	Mountain whitefish	359				2	PIT	965000000072050	
0515	6	10541	Mountain whitefish	275				2	PIT	900026000056339	
0515	6	10542	Mountain whitefish	282				2	PIT	900026000054247	
0515	6	10543	Mountain whitefish	331				2	PIT	965000000092104	
0515	6	10544	Mountain whitefish	303				2	PIT	965000000109975	
0515	6	10545	Mountain whitefish	343				2	PIT	900026000155228	
0515	6	10546	Mountain whitefish	288				2	PIT	900026000147439	
0515	6	10547	Mountain whitefish	288				2	PIT	965000000090867	
0515	6	10548	Mountain whitefish	303				2	PIT	900026000035357	
0515	6	10549	Mountain whitefish	315				2	PIT	965000000008677	
0515	6	10550	Mountain whitefish	300				2	PIT	900026000155336	
0513	6	10551	Mountain whitefish	363				2	PIT	965000000077094	
0513	6	10552	Mountain whitefish	288				2	PIT	900026000055083	
0514	6	10553	Mountain whitefish	287				2	PIT	900026000186200	
0514	6	10554	Mountain whitefish	355				2	PIT	900026000054738	
0514	6	10555	Mountain whitefish	293				2	PIT	900026000148288	
0514	6	10556	Mountain whitefish	303				2	PIT	965000000092104	
0514	6	10557	Mountain whitefish	283				2	PIT	900026000052485	
0514	6	10558	Mountain whitefish	293				2	PIT	900026000147939	
0514	6	10559	Mountain whitefish	294				2	PIT	900026000054986	
0514	6	10560	Mountain whitefish	343				2	PIT	900026000063482	
0508	6	10561	Mountain whitefish	345				2	PIT	965000000245062	
0508	6	10562	Mountain whitefish	347				2	PIT	965000000246179	
0508	6	10563	Mountain whitefish	300				2	PIT	900026000148273	
0508	6	10564	Mountain whitefish	284				2	PIT	900026000033626	

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APPENDIX D
Catch and Observed Fish

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**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 1												
	0101	SFN										
			1	8/24/2013	9:45	614	221					
								Mountain whitefish	72	0	72	117.26
			2	8/30/2013	9:15	614	215					
								Mountain whitefish	97	0	97	157.98
			3	9/6/2013	10:00	614	217					
								Mountain whitefish	79	0	79	128.66
			4	9/15/2013	9:30	614	235					
								Mountain whitefish	68	0	68	110.75
			5	9/21/2013	9:30	614	245					
								Mountain whitefish	23	0	23	37.46
			6	9/24/2013	10:30	614	263					
								Bull trout	1	0	1	1.63
								Mountain whitefish	18	0	18	29.32
	0102	SFN										
			1	8/24/2013	10:15	870	298					
								Mountain whitefish	38	0	38	43.68
			2	8/30/2013	10:15	870	306					
								Mountain whitefish	86	0	86	98.85
			3	9/6/2013	10:45	870	303					
								Mountain whitefish	55	0	55	63.22
			4	9/15/2013	10:00	870	307					
								Mountain whitefish	89	0	89	102.30
			5	9/21/2013	10:30	870	305					
								Bull trout	1	0	1	1.15
								Mountain whitefish	16	0	16	18.39
			6	9/24/2013	11:00	870	361					
								Mountain whitefish	9	0	9	10.34
	0103	SFC										
			1	8/24/2013	11:00	1092	529					
								Mountain whitefish	15	0	15	13.74
			2	8/30/2013	11:30	1092	558					
								Bull trout	1	0	1	0.92
								Mountain whitefish	24	0	24	21.98
			3	9/6/2013	11:30	1092	509					
								Bull trout	1	0	1	0.92
								Mountain whitefish	21	0	21	19.23
			4	9/15/2013	10:30	1092	652					
								Bull trout	0	1	1	0.92
								Mountain whitefish	8	0	8	7.33
			5	9/21/2013	11:00	1092	569					
								Bull trout	2	0	2	1.83
								Mountain whitefish	10	0	10	9.16
			6	9/24/2013	12:15	1092	612					
								Bull trout	4	0	4	3.66
								Mountain whitefish	5	0	5	4.58

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 1												
	0104	SFN										
			1	8/24/2013	11:30	445	258	Mountain whitefish	9	0	9	20.22
			2	8/30/2013	12:30	445	266	Mountain whitefish	18	0	18	40.45
			3	9/6/2013	12:00	445	244	Mountain whitefish	18	0	18	40.45
			4	9/15/2013	11:15	445	307	Mountain whitefish	23	0	23	51.69
			5	9/21/2013	11:45	445	277	Bull trout	0	1	1	2.25
								Mountain whitefish	7	0	7	15.73
			6	9/24/2013	13:15	445	289	Mountain whitefish	8	0	8	17.98
	0105	SFC										
			1	8/24/2013	12:30	1029	484	Mountain whitefish	15	0	15	14.58
			2	8/30/2013	13:30	1029	488	Mountain whitefish	39	0	39	37.90
			3	9/6/2013	13:30	1029	461	Bull trout	1	0	1	0.97
								Mountain whitefish	23	0	23	22.35
			4	9/15/2013	13:00	1029	527	Mountain whitefish	18	0	18	17.49
			5	9/21/2013	12:30	1029	524	Bull trout	1	0	1	0.97
								Mountain whitefish	9	0	9	8.75
			6	9/24/2013	14:00	1029	650	Bull trout	2	0	2	1.94
								Mountain whitefish	2	0	2	1.94
	0107	SFC										
			1	8/24/2013	13:30	551	352	Mountain whitefish	6	0	6	10.89
			2	8/30/2013	14:15	551	335	Mountain whitefish	5	0	5	9.07
			3	9/5/2013	14:00	551	320	Mountain whitefish	1	0	1	1.81
			4	9/15/2013	13:45	551	375	Mountain whitefish	3	0	3	5.44
			5	9/21/2013	13:15	551	356	Mountain whitefish	1	0	1	1.81
			6	9/24/2013	14:30	551	382	Mountain whitefish	3	0	3	5.44

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 1												
	0108	SFN										
			1	8/24/2013	13:45	828	466					
								Mountain whitefish	14	0	14	16.91
			2	8/31/2013	15:00	828	437					
								Mountain whitefish	4	0	4	4.83
			3	9/5/2013	14:30	828	452					
								Mountain whitefish	11	0	11	13.29
			4	9/15/2013	14:15	828	520					
								Mountain whitefish	9	0	9	10.87
			5	9/21/2013	14:00	828	545					
								Mountain whitefish	1	0	1	1.21
			6	9/24/2013	15:00	828	533					
								Bull trout	0	1	1	1.21
								Mountain whitefish	2	0	2	2.42
	0109	SFN										
			1	8/25/2013	14:15	958	496					
								Mountain whitefish	81	0	81	84.55
			2	8/31/2013	16:00	958	441					
								Mountain whitefish	37	0	37	38.62
			3	9/6/2013	15:00	958	507					
								Mountain whitefish	20	0	20	20.88
			4	9/16/2013	14:45	958	523					
								Bull trout	1	0	1	1.04
								Mountain whitefish	22	0	22	22.96
			5	9/21/2013	14:30	958	511					
								Mountain whitefish	7	0	7	7.31
			6	9/24/2013	15:30	958	563					
								Bull trout	2	1	3	3.13
								Mountain whitefish	15	0	15	15.66
	0110	SFC										
			1	8/24/2013	14:30	821	536					
								Mountain whitefish	7	0	7	8.53
			2	8/30/2013	9:45	821	508					
								Mountain whitefish	16	0	16	19.49
			3	9/5/2013	16:00	821	404					
								Mountain whitefish	16	0	16	19.49
			4	9/15/2013	15:15	821	464					
								Mountain whitefish	9	0	9	10.96
			5	9/21/2013	9:30	821	466					
								Mountain whitefish	3	0	3	3.65
			6	9/24/2013	10:15	821	435					
								Mountain whitefish	10	0	10	12.18

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 1												
	0111	SFC										
			1	8/25/2013	9:30	968	513					
								Mountain whitefish	27	0	27	27.89
			2	8/30/2013	10:30	968	604					
								Mountain whitefish	14	0	14	14.46
			3	9/5/2013	9:45	968	501					
								Mountain whitefish	7	0	7	7.23
			4	9/16/2013	9:30	968	574					
								Mountain whitefish	13	0	13	13.43
			5	9/21/2013	10:15	968	546					
								Bull trout	1	0	1	1.03
								Mountain whitefish	3	0	3	3.10
			6	9/24/2013	11:00	968	548					
								Mountain whitefish	2	0	2	2.07
	0112	SFC										
			1	8/25/2013	11:00	1050	588					
								Arctic grayling	1	0	1	0.95
								Bull trout	1	0	1	0.95
								Mountain whitefish	48	0	48	45.71
			2	8/31/2013	11:30	1050	582					
								Bull trout	3	0	3	2.86
								Mountain whitefish	20	0	20	19.05
			3	9/5/2013	10:45	1050	457					
								Mountain whitefish	23	0	23	21.90
			4	9/16/2013	10:00	1050	562					
								Bull trout	0	1	1	0.95
								Mountain whitefish	35	0	35	33.33
			5	9/21/2013	11:00	1050	588					
								Mountain whitefish	8	0	8	7.62
			6	9/24/2013	12:00	1050	584					
								Mountain whitefish	19	0	19	18.10
	0113	SFC										
			1	8/25/2013	11:45	727	330					
								Mountain whitefish	52	0	52	71.53
			2	8/31/2013	13:00	727	329					
								Mountain whitefish	21	0	21	28.89
			3	9/5/2013	11:15	727	331					
								Mountain whitefish	30	0	30	41.27
			4	9/16/2013	10:30	727	369					
								Mountain whitefish	33	0	33	45.39
			5	9/21/2013	12:00	727	372					
								Bull trout	0	1	1	1.38
								Mountain whitefish	5	0	5	6.88
			6	9/24/2013	12:30	727	368					
								Bull trout	0	1	1	1.38
								Mountain whitefish	3	0	3	4.13

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 1												
	0114	SFC										
			1	8/25/2013	12:45	919	533					
								Arctic grayling	1	0	1	1.09
								Bull trout	2	0	2	2.18
								Mountain whitefish	33	0	33	35.91
			2	8/31/2013	13:45	919	384					
								Mountain whitefish	18	0	18	19.59
			3	9/5/2013	12:00	919	402					
								Mountain whitefish	15	0	15	16.32
			4	9/16/2013	11:00	919	517					
								Mountain whitefish	24	0	24	26.12
			5	9/21/2013	13:00	919	481					
								Bull trout	2	0	2	2.18
								Mountain whitefish	9	0	9	9.79
			6	9/24/2013	13:15	919	484					
								Mountain whitefish	21	0	21	22.85
	0116	SNF										
			1	8/25/2013	13:30	955	423					
								Mountain whitefish	20	0	20	20.94
			2	8/31/2013	14:30	955	394					
								Mountain whitefish	11	0	11	11.52
			3	9/5/2013	12:45	955	407					
								Mountain whitefish	8	0	8	8.38
			4	9/16/2013	11:45	955	344					
								Mountain whitefish	22	0	22	23.04
			5	9/21/2013	13:30	955	416					
								Mountain whitefish	4	0	4	4.19
			6	9/24/2013	13:45	955	415					
								Bull trout	1	0	1	1.05
								Mountain whitefish	3	0	3	3.14
	0119	SFC										
			1	8/24/2013	14:30	747	409					
								Mountain whitefish	20	0	20	26.77
			2	8/30/2013	15:15	747	483					
								Mountain whitefish	18	0	18	24.10
			3	9/6/2013	13:15	747	453					
								Bull trout	1	0	1	1.34
								Mountain whitefish	11	0	11	14.73
			4	9/15/2013	12:00	747	491					
								Bull trout	1	1	2	2.68
								Mountain whitefish	15	0	15	20.08
			5	9/21/2013	14:15	747	496					
								Mountain whitefish	5	0	5	6.69
			6	9/24/2013	14:00	747	443					
								Bull trout	1	1	2	2.68
								Mountain whitefish	1	0	1	1.34

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 3												
	0301	SFC										
			1	8/26/2013	9:45	1808	1001	Bull trout	2	0	2	1.11
								Mountain whitefish	52	0	52	28.76
			2	9/1/2013	10:15	1808	907	Bull trout	0	1	1	0.55
								Mountain whitefish	13	0	13	7.19
			3	9/11/2013	10:00	1808	860	Bull trout	1	2	3	1.66
								Mountain whitefish	22	0	22	12.17
			4	9/17/2013	9:30	1808	998	Mountain whitefish	20	0	20	11.06
			5	9/22/2013	9:15	1808	962	Bull trout	1	0	1	0.55
								Mountain whitefish	18	0	18	9.96
			6	9/25/2013	10:00	1808	1004	Bull trout	2	0	2	1.11
								Mountain whitefish	12	0	12	6.64
	0302	SFC										
			1	8/26/2013	10:00	1840	899	Bull trout	3	1	4	2.17
								Mountain whitefish	47	0	47	25.54
			2	9/1/2013	11:15	1840	809	Bull trout	2	2	4	2.17
								Mountain whitefish	76	0	76	41.30
			3	9/11/2013	10:45	1840	752	Bull trout	2	1	3	1.63
								Mountain whitefish	43	0	43	23.37
			4	9/17/2013	10:30	1840	895	Bull trout	1	0	1	0.54
								Mountain whitefish	82	0	82	44.57
			5	9/22/2013	10:30	1840	851	Bull trout	2	1	3	1.63
								Mountain whitefish	12	0	12	6.52
			6	9/25/2013	10:45	1840	861	Bull trout	1	2	3	1.63
								Mountain whitefish	10	0	10	5.43

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section	3											
	0303	SFC										
			1	8/26/2013	10:30	1378	713	Bull trout	1	0	1	0.73
								Mountain whitefish	33	0	33	23.95
			2	9/1/2013	11:45	1378	674	Bull trout	1	0	1	0.73
								Mountain whitefish	8	0	8	5.81
			3	9/11/2013	11:30	1378	626	Bull trout	1	2	3	2.18
								Mountain whitefish	10	0	10	7.26
			4	9/17/2013	10:45	1378	721	Bull trout	2	0	2	1.45
								Mountain whitefish	86	0	86	62.41
			5	9/22/2013	11:15	1378	707	Bull trout	1	0	1	0.73
								Mountain whitefish	13	0	13	9.43
			6	9/25/2013	11:30	1378	714	Mountain whitefish	15	0	15	10.89
	0304	SFN										
			1	8/26/2013	11:00	1407	684	Bull trout	1	0	1	0.71
								Mountain whitefish	56	0	56	39.80
			2	9/1/2013	12:15	1407	633	Mountain whitefish	46	0	46	32.69
			3	9/11/2013	12:30	1407	702	Bull trout	1	0	1	0.71
								Mountain whitefish	45	0	45	31.98
			4	9/17/2013	11:30	1407	415	Mountain whitefish	59	0	59	41.93
			5	9/22/2013	12:00	1407	666	Mountain whitefish	7	0	7	4.98

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 3												
	0305	SFN										
			1	8/26/2013	11:30	1486	795	Bull trout	2	0	2	1.35
								Mountain whitefish	42	0	42	28.26
			2	9/1/2013	13:15	1486	753	Bull trout	3	0	3	2.02
								Mountain whitefish	37	0	37	24.90
			3	9/11/2013	13:00	1486	736	Bull trout	3	0	3	2.02
								Mountain whitefish	55	0	55	37.01
			4	9/17/2013	12:15	1486	847	Arctic grayling	2	0	2	1.35
								Bull trout	5	0	5	3.36
								Mountain whitefish	110	0	110	74.02
			5	9/22/2013	13:00	1486	845	Bull trout	4	1	5	3.36
								Mountain whitefish	43	0	43	28.94
			6	9/25/2013	13:15	1486	793	Bull trout	4	0	4	2.69
								Mountain whitefish	36	0	36	24.23
	0306	SFN										
			1	8/26/2013	12:30	980	538	Bull trout	1	1	2	2.04
								Mountain whitefish	5	0	5	5.10
			2	9/1/2013	14:15	980	570	Bull trout	2	0	2	2.04
								Mountain whitefish	22	0	22	22.45
			3	9/11/2013	13:30	980	553	Arctic grayling	1	0	1	1.02
								Bull trout	1	0	1	1.02
								Mountain whitefish	8	0	8	8.16
			4	9/17/2013	13:00	980	637	Mountain whitefish	16	0	16	16.33
			5	9/22/2013	14:45	980	605	Bull trout	2	1	3	3.06
								Mountain whitefish	16	0	16	16.33
			6	9/25/2013	14:00	980	635	Bull trout	2	0	2	2.04
								Mountain whitefish	19	0	19	19.39

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section	3											
	0307	SFN										
			1	8/27/2013	13:00	994	546	Mountain whitefish	61	0	61	61.37
			2	9/2/2013	14:45	994	526	Mountain whitefish	41	0	41	41.25
			3	9/12/2013	14:00	994	477	Mountain whitefish	21	0	21	21.13
			4	9/18/2013	13:30	994	598	Bull trout	1	0	1	1.01
								Mountain whitefish	80	0	80	80.48
			5	9/22/2013	15:15	994	524	Mountain whitefish	28	0	28	28.17
			6	9/25/2013	14:30	994	578	Mountain whitefish	9	0	9	9.05
	0308	SFN										
			1	8/27/2013	13:30	1486	633	Bull trout	5	0	5	3.36
								Mountain whitefish	63	0	63	42.40
			2	9/2/2013	15:15	1486	621	Bull trout	3	0	3	2.02
								Mountain whitefish	38	0	38	25.57
			3	9/12/2013	14:45	1486	591	Bull trout	1	0	1	0.67
								Mountain whitefish	27	0	27	18.17
			4	9/18/2013	14:00	1486	645	Mountain whitefish	85	0	85	57.20
			5	9/22/2013	16:00	1486	645	Arctic grayling	1	0	1	0.67
								Bull trout	1	2	3	2.02
								Mountain whitefish	15	0	15	10.09
			6	9/25/2013	15:00	1486	654	Bull trout	2	0	2	1.35
								Mountain whitefish	16	0	16	10.77
	0309	SFN										
			1	8/27/2013	9:45	855	471	Bull trout	1	0	1	1.17
								Mountain whitefish	37	0	37	43.27
			2	9/2/2013	9:45	855	533	Mountain whitefish	42	0	42	49.12
			3	9/12/2013	10:00	855	473	Mountain whitefish	9	0	9	10.53
			4	9/18/2013	14:15	855	507	Bull trout	1	0	1	1.17
								Mountain whitefish	45	0	45	52.63
			5	9/22/2013	9:30	855	516	Bull trout	1	0	1	1.17
								Mountain whitefish	10	0	10	11.70
			6	9/25/2013	10:00	855	487	Mountain whitefish	9	0	9	10.53

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section	3											
	0310	SFC										
			1	8/27/2013	10:15	1208	671	Bull trout	1	0	1	0.83
								Mountain whitefish	62	0	62	51.32
			2	9/2/2013	10:15	1208	696	Mountain whitefish	26	0	26	21.52
			3	9/12/2013	11:00	1208	637	Mountain whitefish	66	0	66	54.64
			4	9/18/2013	9:30	1208	734	Arctic grayling	1	0	1	0.83
								Bull trout	4	0	4	3.31
								Mountain whitefish	35	0	35	28.97
			5	9/22/2013	10:45	1208	722	Mountain whitefish	12	0	12	9.93
			6	9/25/2013	10:45	1208	669	Mountain whitefish	21	0	21	17.38
	0311	SFC										
			1	8/27/2013	11:00	1158	600	Bull trout	3	0	3	2.59
								Mountain whitefish	23	0	23	19.86
			2	9/2/2013	11:00	1158	635	Bull trout	4	0	4	3.45
								Mountain whitefish	32	0	32	27.63
			3	9/12/2013	11:30	1158	616	Arctic grayling	0	1	1	0.86
								Bull trout	3	0	3	2.59
								Mountain whitefish	45	0	45	38.86
			4	9/18/2013	10:00	1158	644	Bull trout	0	1	1	0.86
								Mountain whitefish	58	0	58	50.09
			5	9/22/2013	11:45	1158	589	Bull trout	2	1	3	2.59
								Mountain whitefish	31	0	31	26.77
			6	9/25/2013	11:30	1158	627	Bull trout	2	1	3	2.59
								Mountain whitefish	30	0	30	25.91

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 3												
	0312	SFN										
			1	8/27/2013	11:45	1343	704	Bull trout	3	1	4	2.98
								Mountain whitefish	35	0	35	26.06
			2	9/2/2013	12:15	1343	731	Mountain whitefish	41	0	41	30.53
			3	9/12/2013	12:00	1343	676	Bull trout	5	0	5	3.72
								Mountain whitefish	31	0	31	23.08
			4	9/18/2013	11:00	1343	769	Arctic grayling	2	0	2	1.49
								Bull trout	5	0	5	3.72
								Mountain whitefish	110	0	110	81.91
			5	9/22/2013	12:45	1343	764	Bull trout	3	0	3	2.23
								Mountain whitefish	17	0	17	12.66
			6	9/25/2013	12:20	1343	748	Bull trout	5	0	5	3.72
								Mountain whitefish	20	0	20	14.89
	0314	SFC										
			1	8/26/2013	12:30	960	591	Bull trout	1	0	1	1.04
								Mountain whitefish	34	0	34	35.42
			2	9/1/2013	13:30	960	519	Bull trout	2	0	2	2.08
								Mountain whitefish	22	0	22	22.92
			3	9/11/2013	13:00	960	548	Mountain whitefish	5	0	5	5.21
			4	9/17/2013	11:30	960	555	Bull trout	1	0	1	1.04
								Mountain whitefish	32	0	32	33.33
			5	9/22/2013	13:30	960	579	Bull trout	1	0	1	1.04
								Mountain whitefish	9	0	9	9.38
			6	9/25/2013	13:30	960	583	Mountain whitefish	3	0	3	3.13

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 3												
	0315	SFC										
			1	8/26/2013	1:30	1674	942	Arctic grayling	1	0	1	0.60
								Mountain whitefish	64	0	64	38.23
			2	9/1/2013	14:00	1674	942	Bull trout	3	0	3	1.79
								Mountain whitefish	27	0	27	16.13
			3	9/11/2013	13:30	1674	971	Mountain whitefish	30	0	30	17.92
			4	9/17/2013	12:00	1674	1050	Arctic grayling	1	0	1	0.60
								Bull trout	1	0	1	0.60
								Mountain whitefish	62	0	62	37.04
			5	9/22/2013	14:15	1674	957	Bull trout	1	0	1	0.60
								Mountain whitefish	30	0	30	17.92
			6	9/25/2013	13:45	1674	919	Mountain whitefish	14	0	14	8.36
	0316	SFC										
			1	8/27/2013	14:00	1371	780	Arctic grayling	2	2	4	2.92
								Bull trout	3	1	4	2.92
								Mountain whitefish	77	0	77	56.16
			2	9/2/2013	14:45	1371	810	Mountain whitefish	58	0	58	42.30
			3	9/12/2013	14:00	1371	811	Arctic grayling	0	2	2	1.46
								Bull trout	2	1	3	2.19
								Mountain whitefish	111	0	111	80.96
			4	9/18/2013	14:00	1371	787	Arctic grayling	1	0	1	0.73
								Bull trout	1	0	1	0.73
								Mountain whitefish	50	0	50	36.47
			5	9/22/2013	15:00	1371	747	Arctic grayling	1	0	1	0.73
								Bull trout	4	0	4	2.92
								Mountain whitefish	18	0	18	13.13
			6	9/25/2013	14:30	1371	773	Bull trout	2	0	2	1.46
								Mountain whitefish	9	0	9	6.56

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section	5											
	0501	SFC										
			1	8/28/2013	9:00	762	494	Bull trout	1	1	2	2.62
								Mountain whitefish	19	0	19	24.93
			2	9/3/2013	9:30	762	429	Arctic grayling	0	1	1	1.31
								Bull trout	3	0	3	3.94
								Mountain whitefish	13	0	13	17.06
			3	9/13/2013	9:30	762	486	Mountain whitefish	35	0	35	45.93
			4	9/19/2013	10:00	762	476	Bull trout	1	1	2	2.62
								Mountain whitefish	32	0	32	41.99
			5	9/23/2013	9:30	762	508	Bull trout	1	0	1	1.31
								Mountain whitefish	14	0	14	18.37
			6	9/26/2013	10:00	762	470	Bull trout	1	0	1	1.31
								Mountain whitefish	7	0	7	9.19
	0502	SFC										
			1	8/28/2013	9:30	1013	466	Arctic grayling	1	1	2	1.97
								Bull trout	3	2	5	4.94
								Mountain whitefish	36	0	36	35.54
			2	9/3/2013	10:00	1013	452	Bull trout	1	0	1	0.99
								Mountain whitefish	34	0	34	33.56
			3	9/13/2013	10:15	1013	478	Mountain whitefish	70	0	70	69.10
			4	9/19/2013	10:15	1013	468	Mountain whitefish	42	0	42	41.46
			5	9/23/2013	10:00	1013	454	Mountain whitefish	13	0	13	12.83
			6	9/26/2013	10:15	1013	449	Mountain whitefish	11	0	11	10.86

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 5	0503	SFN	1	8/28/2013	9:45	1059	359	Arctic grayling	1	0	1	0.94
								Mountain whitefish	38	0	38	35.88
			2	9/3/2013	10:30	1059	396	Arctic grayling	3	0	3	2.83
								Bull trout	1	0	1	0.94
								Mountain whitefish	36	0	36	33.99
			3	9/13/2013	10:45	1059	378	Mountain whitefish	25	0	25	23.61
								Mountain whitefish	33	0	33	31.16
			5	9/23/2013	10:44	1059	363	Mountain whitefish	14	0	14	13.22
								Mountain whitefish	4	0	4	3.78
			6	9/26/2013	10:30	1059	387	Mountain whitefish	4	0	4	3.78
								Mountain whitefish	4	0	4	3.78
	0504	SFN	1	8/28/2013	10:15	582	430	Arctic grayling	1	0	1	1.72
								Bull trout	0	1	1	1.72
								Mountain whitefish	59	0	59	101.37
			2	9/3/2013	11:00	582	398	Mountain whitefish	28	0	28	48.11
								Mountain whitefish	27	0	27	46.39
			4	9/19/2013	11:15	582	487	Bull trout	1	0	1	1.72
								Mountain whitefish	34	0	34	58.42
			5	9/23/2013	11:00	582	457	Mountain whitefish	24	0	24	41.24
								Mountain whitefish	6	0	6	10.31
			6	9/26/2013	11:00	582	419	Mountain whitefish	6	0	6	10.31
								Mountain whitefish	6	0	6	10.31
	0505	SFC	1	8/28/2013	10:45	976	575	Bull trout	2	0	2	2.05
								Mountain whitefish	28	0	28	28.69
			2	9/3/2013	11:30	976	516	Bull trout	0	2	2	2.05
								Mountain whitefish	12	0	12	12.30
			3	9/13/2013	12:00	976	579	Mountain whitefish	21	0	21	21.52
								Mountain whitefish	41	0	41	42.01
			5	9/23/2013	11:30	976	593	Bull trout	0	1	1	1.02
								Mountain whitefish	12	0	12	12.30
			6	9/26/2013	11:45	976	563	Mountain whitefish	5	0	5	5.12
								Mountain whitefish	5	0	5	5.12

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section	5											
	0506	SFC										
			1	8/28/2013	11:15	1069	652	Mountain whitefish	3	0	3	2.81
			2	9/3/2013	11:45	1069	529	Mountain whitefish	4	0	4	3.74
			3	9/13/2013	12:15	1069	688	Bull trout	1	0	1	0.94
								Mountain whitefish	9	0	9	8.42
			4	9/19/2013	12:00	1069	741	Mountain whitefish	15	0	15	14.03
			5	9/23/2013	12:00	1069	677	Bull trout	0	1	1	0.94
								Mountain whitefish	4	0	4	3.74
			6	9/26/2013	12:00	1069	647	Mountain whitefish	2	0	2	1.87
	0507	SFC										
			1	8/28/2013	11:30	1087	439	Bull trout	1	0	1	0.92
								Mountain whitefish	28	0	28	25.76
			2	9/3/2013	13:00	1087	394	Mountain whitefish	29	0	29	26.68
			3	9/13/2013	12:30	1087	466	Bull trout	1	0	1	0.92
								Mountain whitefish	34	0	34	31.28
			4	9/19/2013	12:45	1087	417	Bull trout	1	0	1	0.92
								Mountain whitefish	43	0	43	39.56
			5	9/23/2013	12:30	1087	437	Mountain whitefish	16	0	16	14.72
			6	9/26/2013	12:30	1087	447	Bull trout	1	0	1	0.92
								Mountain whitefish	5	0	5	4.60
	0508	SFC										
			1	8/29/2013	11:45	971	493	Arctic grayling	2	0	2	2.06
								Bull trout	1	0	1	1.03
								Mountain whitefish	38	0	38	39.13
			2	9/4/2013	1:30	971	472	Mountain whitefish	18	0	18	18.54
			3	9/14/2013	13:15	971	558	Mountain whitefish	32	0	32	32.96
			4	9/20/2013	13:00	971	543	Bull trout	1	0	1	1.03
								Mountain whitefish	27	0	27	27.81
			5	9/23/2013	13:30	971	555	Bull trout	1	0	1	1.03
								Mountain whitefish	10	0	10	10.30
			6	9/26/2013	13:00	971	519	Bull trout	2	0	2	2.06
								Mountain whitefish	5	0	5	5.15

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section 5												
	0509	SFN										
			1	8/28/2013	12:00	898	542					
								Arctic grayling	2	1	3	3.34
								Bull trout	1	1	2	2.23
								Mountain whitefish	44	0	44	49.00
			2	9/3/2013	13:45	898	477					
								Mountain whitefish	27	0	27	30.07
			3	9/13/2013	13:45	898	503					
								Mountain whitefish	40	0	40	44.54
			4	9/19/2013	13:15	898	585					
								Bull trout	1	0	1	1.11
								Mountain whitefish	60	0	60	66.82
			5	9/23/2013	14:00	898	561					
								Mountain whitefish	17	0	17	18.93
			6	9/26/2013	14:45	898	533					
								Bull trout	2	0	2	2.23
								Mountain whitefish	10	0	10	11.14
	0510	SFC										
			1	8/29/2013	12:45	1171	589					
								Arctic grayling	1	0	1	0.85
								Bull trout	1	0	1	0.85
								Mountain whitefish	50	0	50	42.70
			2	9/4/2013	14:15	1171	576					
								Arctic grayling	0	1	1	0.85
								Mountain whitefish	43	0	43	36.72
			3	9/14/2013	14:15	1171	657					
								Arctic grayling	1	0	1	0.85
								Bull trout	1	0	1	0.85
								Mountain whitefish	32	0	32	27.33
			4	9/20/2013	14:00	1171	658					
								Bull trout	1	0	1	0.85
								Mountain whitefish	56	0	56	47.82
			5	9/23/2013	14:30	1171	639					
								Mountain whitefish	14	0	14	11.96
			6	9/26/2013	14:15	1171	590					
								Bull trout	2	0	2	1.71
								Mountain whitefish	6	0	6	5.12

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section	5											
	0511	SFC										
			1	8/29/2013	13:00	924	380	Bull trout	1	1	2	2.16
								Mountain whitefish	26	0	26	28.14
			2	9/4/2013	14:45	924	403	Bull trout	1	0	1	1.08
								Mountain whitefish	5	0	5	5.41
			3	9/14/2013	14:30	924	391	Bull trout	1	0	1	1.08
								Mountain whitefish	8	0	8	8.66
			4	9/20/2013	14:30	924	619	Mountain whitefish	14	0	14	15.15
			5	9/23/2013	14:45	924	382	Mountain whitefish	15	0	15	16.23
			6	9/26/2013	15:00	924	397	Mountain whitefish	2	0	2	2.16
	0512	SFN										
			1	8/28/2013	13:30	1098	614	Bull trout	1	0	1	0.91
								Mountain whitefish	36	0	36	32.79
			2	9/4/2013	15:15	1098	541	Bull trout	1	0	1	0.91
								Mountain whitefish	21	0	21	19.13
			3	9/14/2013	15:45	1098	612	Mountain whitefish	19	0	19	17.30
			4	9/20/2013	15:00	1098	618	Bull trout	2	0	2	1.82
								Mountain whitefish	27	0	27	24.59
			5	9/23/2013	15:15	1098	689	Bull trout	1	0	1	0.91
								Mountain whitefish	6	0	6	5.46
			6	9/26/2013	15:30	1098	698	Bull trout	0	1	1	0.91
								Mountain whitefish	7	0	7	6.38
	0513	SFN										
			1	8/29/2013	13:45	999	399	Mountain whitefish	25	0	25	25.03
			2	9/4/2013	15:45	999	389	Bull trout	1	0	1	1.00
								Mountain whitefish	13	0	13	13.01
			3	9/14/2013	16:00	999	480	Mountain whitefish	33	0	33	33.03
			4	9/20/2013	15:15	999	441	Mountain whitefish	22	0	22	22.02
			5	9/23/2013	15:45	999	412	Mountain whitefish	14	0	14	14.01
			6	9/26/2013	16:00	999	403	Bull trout	1	0	1	1.00
								Mountain whitefish	4	0	4	4.00

**Appendix D Table D1. Standard boat electrofisher effort, catch, and catch-per-unit-effort, 2013
Peace River Fish Index Project.**

Area	Site	Habitat	Run	Date	Time	Effort (m)	(s)	Species	Catch	Obs.	Number	CPUE (Fish/km)
Section	5											
	0514	SFN										
			1	8/29/2013	14:00	785	325	Mountain whitefish	20	0	20	25.48
			2	9/4/2013	16:15	785	397	Mountain whitefish	6	0	6	7.64
			3	9/14/2013	16:15	785	368	Mountain whitefish	5	0	5	6.37
			4	9/20/2013	15:45	785	353	Bull trout	1	0	1	1.27
								Mountain whitefish	29	0	29	36.94
			5	9/23/2013	16:00	785	442	Bull trout	0	1	1	1.27
								Mountain whitefish	10	0	10	12.74
			6	9/26/2013	16:15	785	338	Mountain whitefish	8	0	8	10.19
	0515	SFN										
			1	8/29/2013	14:30	802	550	Bull trout	2	0	2	2.49
								Mountain whitefish	38	0	38	47.38
			2	9/4/2013	16:45	802	539	Bull trout	1	0	1	1.25
								Mountain whitefish	10	0	10	12.47
			3	9/14/2013	16:45	802	566	Mountain whitefish	16	0	16	19.95
			4	9/20/2013	16:15	802	569	Bull trout	1	0	1	1.25
								Mountain whitefish	54	0	54	67.33
			5	9/23/2013	16:30	802	616	Mountain whitefish	23	0	23	28.68
			6	9/26/2013	16:30	802	576	Bull trout	1	0	1	1.25
								Mountain whitefish	15	0	15	18.70

APPENDIX E

Population Estimates

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APPENDIX E

POPULATION ESTIMATES

Mountain Whitefish

Characteristics that Impact Population Estimates

A comparison of Mountain Whitefish proportion of marks recaptured rate by tag type is plotted in Figure E.1. The recovery rates of Floy tags (marks applied 2002 through 2004) were erratic. Similarly, none of the 2004 pit marked Mountain Whitefish were recovered. We restricted population estimates to pit tags applied post 2004. A comparison of the recovery rates by year of tag application and section is presented in Table E.1. The rates of recapture by year of release were not significantly different in river Sections 1 and 3 but the rates were significantly different in Section 5 ($P > 0.05$) driven by the high recapture rate in 2007 (48.8%, see Table E.1).

Figure E.2 plots the proportion of available marked fish recaptured two and three times by sampling session. If fish are not more or less prone to subsequent recapture then the line in Figure E.2 should be horizontal (Seber 1982). The 95% confidence bounds on the recapture proportions, assuming a multinomial distribution, do not overlap. A possible explanation for the decrease in the proportion recaptured with sampling session is that the fish were subject to apparent mortality (either death or emigration from the study area).

Histograms of the Mountain Whitefish lengths at release and recapture are plotted in Figures E.3 and E.4, respectively. Inspection of the figures reveals that smaller fish (250-260 mm) were not recaptured with the same frequency. A comparison of the lengths (accumulated into 25 mm intervals) by section is tabulated in Table E.2. Significant differences were not observed in any river section or overall ($P > 0.05$). A slight under representation of smaller fish in the recapture record has been seen consistently in this study and in all previous studies.

Time at large of recaptured Mountain Whitefish regressed on the growth increment (length at release minus length at recapture) is plotted in Figure E.5. A estimated growth rate of 0.04 mm per day was statistically significant ($P = 0.001$); however, a minor growth increment of 1.2 mm over the 30 day study period should not impede the population estimates because of growth recruitment (fish that became 250 mm during the study). The broader histogram of the growth increment provides an indication of measurement error (residual standard deviation of 2.1 mm for each measurement), which is smaller than observed in past years (historical range of 2.4 to 3.3 mm, approximately).

The movement of recaptured Mountain Whitefish between sections during 2013 is listed in Table E.3 along with the estimates of the migration proportions adjusted for the number of fish examined (Equation 4). These proportions are plotted in Figure E.6. Figure E.7 provides a bar plot of the distance traveled within each section for marked fish released in 2013. Positive values indicate fish were recaptured upstream of the release site and *vice-versa*. Note that most fish were recaptured in the same site-of-release. The movement of recaptured Mountain Whitefish between sections with the marks applied

in 2005 to 2012 are tabulated in Table E.4 and plotted in Figures E.8 to E.15, respectively. For the 2005 to 2012 releases, a bar plot of the distance traveled within each section is displayed in Figure E.16. Consistent with movement patterns in previous studies, Mountain Whitefish were remarkably senescent.

Empirical Model Selection

The number of captures by encounter history and section used for the CJS analysis are listed in Table E.5. The ensuing daily survival estimates and associated 95% confidence intervals are provided in Table E.6. Note that the 95% confidence intervals do not include 1.0 in river Sections 1 and 5 (i.e., significant mortality). Estimates of instantaneous daily mortality and project survival (33 days) are also listed in Table E.6.

The number of recaptures by encounter history and section used for the MARK closed population estimates with consistent sampling intensity (same distance travelled for the electrofishing sample) are listed in Table E.7. Note that negative values (indicating fish removals from the population) also included fish that were examined for a mark but subsequently returned to the population unmarked. The changes in the Akaike information content (ΔAIC) values for the fitted models are listed in Table E.8. The time varying capture probability model provided the best fit to the data for all river sections. For river Sections 3 and 5, the differences in ΔAIC were substantial. In all sections, the heterogeneous model provided the poorest fit to the data. Sensible estimates could not be obtained for the behaviour model (results not listed). As previously noted, the constant capture probability model assumes constant sample size and catchability for each sequence. Despite the constant sampling effort (in terms of distance traveled with the electrofisher), the sample size (marked and unmarked) collected in each sequence exhibited significant variation ($P < 0.05$, Chi-square test for multinomial distribution). A direct test of catchability is provided with population estimates using ADMB with Equations (1 to 8) in Table E.9 (input data corrected for mortality and movement listed in Table E.12 which was also used for the Bayesian model). The model with time varying catchability fit the data best in Sections 3 and 5; however, in Section 1 the constant catchability model fit the data best. The logarithmic population deviation estimates for the time varying catchability model (Equation 2) are plotted by section and date in Figure E.17. Note that the deviations for Section 3 are the most variable and the deviations for Section 5 tend to increase over time. Also, the population estimates were similar (within 6%, approximately) regardless of the model applied.

Bayes Sequential Model for a Closed Population

The mark-recapture data were extracted by section from the database using PIT tags applied during 2013 and PIT tags that were observed during 2013 that were originally applied in 2005 through 2013 and a minimum length of 250 mm. Table E.10 lists Mountain Whitefish examined for marks and recaptures by date and section. The releases, adjusted for movement between sections (Equation 4) by section and date, are given in Table E.11. The compilations of marks available (Equation 6), fish examined (Equation 7), and recaptures (Equation 8) assuming removal rates listed in Table E.6 and 0% undetected mark rate are listed in Table E.12. The subsequent population estimates using the Bayesian closed model are given in Table E.13. The sequential posterior probability plots by section are provided in Figures E.18, E.19, and E.20. The final posterior distributions for the three sections are drawn in Figure E.21.

The sequence of posterior probability plots can be used as an indicator of closure or change in the population size over the study period (Gazey and Staley 1986). Trends in the posterior plots can also be caused by trends in catchability or capture probability (changes in population size and changes in catchability over the study period are confounded). Inspection of the posterior probability plot sequences reveals that sections appear stable (no marked trend or sequence to larger or smaller population sizes) and were consistent with a convergence to a modal population size.

Arctic Grayling

The mark-recapture data were extracted by section from the database using all available marks with a minimum length of 250 mm. There was no movement between sections. Table E.14 lists Arctic Grayling examined for marks and recaptures by date and section. No recaptures were made in any of the river sections; thus, diagnostic measures and population estimates were not generated. The releases by section and date are given in Table E.15.

Bull Trout

The mark-recapture data were extracted by section from the database using all marks applied with a minimum length of 250 mm. Table E.16 lists Bull Trout examined for marks and recaptures by date and section. There was no movement between sections. The releases by section and date are given in Table E.17. Only a single recapture was made in Section 1; thus, diagnostic measures and population estimates were not generated. The compilations of marks available (Equation 6), fish examined (Equation 7), and recaptures (Equation 8) assuming 0.0 removal and 0% undetected mark rate are listed in Table E.18 for Sections 3 and 5. The subsequent population estimates using the Bayesian closed model are given in Table E.19, the associated sequential posterior probability plots are provided in Figures E.22 and E.23. The final posterior distributions for the two sections are drawn in Figure E.24.

Table E.1 A comparison of Mountain Whitefish recaptured in 2013 that were marked in 2002 to 2013 by section.

Section				Section			
One	Three	Five	Total	One	Three	Five	Total
Released in 2002				Released in 2008			
Recaptures		8	8	Recaptures	2	18	28
Marks	1	8	9	Marks	27	73	150
Percent		100.0	88.9	Percent	7.4	24.7	18.7
Time-at-large (days)		24.4	24.4	Time-at-large (days)	19.5	15.6	15.6
Released in 2003				Released in 2009			
Recaptures		2	2	Recaptures	5	11	35
Marks	8	4	1	Marks	48	64	179
Percent	0.0	50.0	15.4	Percent	10.4	17.2	19.6
Time-at-large (days)		22.0	22.0	Time-at-large (days)	15.4	16.9	15.1
Released in 2004				Released in 2010			
Recaptures	1		1	Recaptures	9	36	54
Marks	5	10	8	Marks	72	157	280
Percent	20.0	0.0	12.5	Percent	12.5	22.9	19.3
Time-at-large (days)	15.0		6.0	Time-at-large (days)	20.1	13.1	14.3
Released in 2005				Released in 2011			
Recaptures		10	2	Recaptures	9	42	72
Marks	12	32	12	Marks	75	211	390
Percent	0.0	31.3	16.7	Percent	12.0	19.9	18.5
Time-at-large (days)		14.6	19.0	Time-at-large (days)	14.6	15.0	14.7
Released in 2006				Released in 2012			
Recaptures	3	9	12	Recaptures	17	49	86
Marks	29	30	59	Marks	133	248	515
Percent	10.3	30.0	20.3	Percent	12.8	19.8	16.7
Time-at-large (days)	21.0	18.2	18.9	Time-at-large (days)	12.3	14.5	13.1
Released in 2007				Released in 2013			
Recaptures	2	24	21	Recaptures	80	237	460
Marks	21	77	43	Marks	1059	1216	3190
Percent	9.5	31.2	48.8	Percent	7.6	19.5	14.4
Time-at-large (days)	20.0	15.2	14.6	Time-at-large (days)	14.8	14.6	14.2
				Independence Test:			
				Probability	0.546	0.502	0.002
						0.000	

Table E.2 Comparison of Mountain Whitefish lengths at release and recapture by section.

Length Interval (mm)	Section							
	One		Three		Five		Total	
	Count	Percent	Count	Percent	Count	Percent	Count	Percent
Recaptures								
250-275	42	33.1	81	18.6	42	17.4	165	20.5
275-300	43	33.9	171	39.2	83	34.4	297	36.9
300-325	31	24.4	106	24.3	55	22.8	192	23.9
325-350	7	5.5	48	11.0	27	11.2	82	10.2
350-375	2	1.6	15	3.4	22	9.1	39	4.9
375-400	2	1.6	11	2.5	5	2.1	18	2.2
400-425			2	0.5	4	1.7	6	0.7
425-450			2	0.5	3	1.2	5	0.6
450-475								
Total	127	100.0	436	100.0	241	100.0	804	100.0
Releases								
250-275	394	26.7	459	21.8	278	20.3	1131	22.9
275-300	494	33.5	743	35.3	459	33.5	1696	34.3
300-325	353	23.9	500	23.8	291	21.2	1144	23.1
325-350	148	10.0	215	10.2	169	12.3	532	10.8
350-375	53	3.6	107	5.1	102	7.4	262	5.3
375-400	18	1.2	44	2.1	36	2.6	98	2.0
400-425	9	0.6	18	0.9	21	1.5	48	1.0
425-450	6	0.4	14	0.7	11	0.8	31	0.6
450-475			5	0.2	4	0.3		
Total	1475	100.0	2105	100.0	1371	100.0	4942	100.0
Pearson Chi-Square	5.67		6.88		2.83		4.12	
Probability	0.340		0.442		0.900		0.766	

Table E.3 Mountain Whitefish recaptures and migration proportions adjusted (inverse weight) for fish examined by section released and recaptured during 2013.

Release Section	Recapture Section			
	One	Three	Five	Total
Recaptures:				
One	127	1	2	130
Three	0	434	6	440
Five	0	0	235	235
Sample:	2293	3601	2526	8420
Recap. %	5.54	12.08	9.62	9.56
Proportions:				
One	0.981	0.005	0.014	1.000
Three	0.000	0.981	0.019	1.000
Five	0.000	0.000	1.000	1.000

Table E.4 Mountain Whitefish recaptures and migration proportions adjusted (inverse weight)
for fish examined by section released during 2005 to 2012 and recaptured in 2013.

Release Section	Recapture Section			Total	Release Section	Recapture Section			Total
	One	Three	Five			One	Three	Five	
2005 Releases					2009 Releases				
Recaptures:					Recaptures:				
One	10	0	0	10	One	53	0	0	53
Three	0	41	0	41	Three	0	78	2	80
Five	1	0	14	15	Five	1	0	80	81
Sample:	2293	3601	2526	8420	Sample:	2293	3601	2526	8420
Recap. %	0.48	1.14	0.55	0.78	Recap. %	2.35	2.17	3.25	2.54
Proportions:					Proportions:				
One	1.000	0.000	0.000	1.000	One	1.000	0.000	0.000	1.000
Three	0.000	1.000	0.000	1.000	Three	0.000	0.965	0.035	1.000
Five	0.073	0.000	0.927	1.000	Five	0.014	0.000	0.986	1.000
2006 Releases					2010 Releases				
Recaptures:					Recaptures:				
One	33	1	0	34	One	59	0	0	59
Two	0	38	0	38	Three	6	190	3	199
Sample:	2293	3601	2526	8420	Five	1	9	51	61
Recap. %	1.44	1.08	0.00	0.86	Sample:	2293	3601	2526	8420
Proportions:					Recap. %	2.88	5.53	2.14	3.79
One	0.981	0.019	0.000	1.000	Proportions:				
Two	0.000	1.000	0.000	1.000	One	1.000	0.000	0.000	1.000
					Three	0.046	0.933	0.021	1.000
					Five	0.019	0.108	0.873	1.000
2007 Releases					2011 Releases				
Recaptures:					Recaptures:				
One	23	0	0	23	One	81	0	0	81
Three	0	102	2	104	Three	3	247	5	255
Five	1	0	63	64	Five	0	7	117	124
Sample:	2293	3601	2526	8420	Sample:	2293	3601	2526	8420
Recap. %	1.05	2.83	2.57	2.27	Recap. %	3.66	7.05	4.83	5.46
Proportions:					Proportions:				
One	1.000	0.000	0.000	1.000	One	1.000	0.000	0.000	1.000
Three	0.000	0.973	0.027	1.000	Three	0.018	0.954	0.028	1.000
Five	0.017	0.000	0.983	1.000	Five	0.000	0.040	0.960	1.000
2008 Releases					2012 Releases				
Recaptures:					Recaptures:				
One	27	0	0	27	One	149	2	1	152
Three	1	89	0	90	Three	4	301	9	314
Five	1	4	58	63	Five	0	0	154	154
Sample:	2293	3601	2526	8420	Sample:	2293	3601	2526	8420
Recap. %	1.26	2.58	2.30	2.14	Recap. %	6.67	8.41	6.49	7.36
Proportions:					Proportions:				
One	1.000	0.000	0.000	1.000	One	0.986	0.008	0.006	1.000
Three	0.017	0.983	0.000	1.000	Three	0.020	0.940	0.040	1.000
Five	0.018	0.045	0.937	1.000	Five	0.000	0.000	1.000	1.000

Table E.5 Number of captures by encounter history and section used for the Cormack-Jolly-Seber analysis. A '1' indicates a capture and '0' no capture in the sequence. Negative entries indicate removals.

History	Section		
	One	Three	Five
000010	63	130	80
000011	3	17	6
000100	63	162	70
000101	8	23	8
000110	8	44	29
000111	1	1	
001000	46	88	60
001001	6	15	3
001010	10	19	18
001011	1	0	2
001100	11	22	13
001101	0	0	2
001110	0	4	4
010000	63	114	46
010001	6	16	4
010010	9	8	10
010011	0	1	0
010100	6	28	9
010101	0	2	0
010110	1	4	0
010111	0	1	0
011000	6	18	7
011001	0	3	0
011010	0	1	1
011011	0	1	0
011100	0	3	1
011110	0	0	1
100000	92	167	110
100001	9	20	3
100010	7	27	15
100011	1	2	2
100100	4	36	19
100101	1	3	1
100110	0	2	0
101000	5	21	19
101001	0	1	0
101010	1	0	1
101100	1	0	2
101101	0	1	0
110000	13	18	14
110001	0	4	0
110010	0	2	3
110100	0	5	0
110110	0	1	0
111000	1	1	3
000010	-1	0	-4
000101	0	-1	-1
000110	0	0	-1
001000	-1	0	0
001001	0	0	-2
100001	0	0	-1
100100	-1	0	0

Table E.6 Daily and project survival and instantaneous mortality estimates based on recaptures using the Cormack-Jolly-Seber model.

Section	Daily Survival	SD	95% Confidence		Instan. Daily Mortality	Project Survival
			Low	High		
One	0.9944	0.0088	0.8885	0.9997	0.0056	0.8316
Three	0.9981	0.0042	0.8764	1.0000	0.0019	0.9380
Five	0.9854	0.0059	0.9681	0.9933	0.0148	0.6146

Table E.7 Number of captures by encounter history and section used for closed population estimates with consistent sampling intensity. A '1' indicates a capture and '0' no capture in the sequence. Negative values indicate a dead or removed Mountain Whitefish.

History	Section		
	One	Three	Five
0001	323	583	373
0010	260	327	253
0011	11	26	19
0100	354	313	188
0101	7	35	9
0110	6	23	8
0111	0	3	2
1000	352	460	342
1001	5	41	20
1010	6	22	20
1011	1	1	2
1100	13	24	17
1101	0	6	0
1110	1	1	3
0001	-11	0	-5
0010	-15	-5	-7
0100	-12	-1	-4
1000	-7	-1	-2
1001	-1	0	0

Table E.8 Delta Akaike's information criteria computed with program MARK restricted to the first four sampling sessions for alternative closed population models.

Model	Num. Par	Compared with M _t			Compared with M ₀		
		ΔAIC	Weight	Model Like.	ΔAIC	Weight	Model Like.
Section One:							
M _t	5	0.0	0.987	1.000	-	-	-
M ₀	2	9.6	0.008	0.008	0.0	0.631	1.000
M _h	3	10.7	0.005	0.005	1.1	0.369	0.586
Section Three:							
M _t	5	0.0	1.000	1.000	-	-	-
M ₀	2	110.8	0.000	0.000	0.0	0.677	1.000
M _h	3	112.3	0.000	0.000	1.5	0.323	0.477
Section Five:							
M _t	5	0.0	1.000	1.000	-	-	-
M ₀	2	73.5	0.000	0.000	0.0	0.511	1.000
M _h	3	73.6	0.000	0.000	0.1	0.489	0.956

Models:

- M_t - time varying capture probability
- M_0 - constant capture probability
- M_h - heterogeneous capture probability

Table E.9 Population estimates using AD Model Builder
assuming constant population size (M_{0t}) and time varying catchability (M_{tt}).

Model	N	SD	Function	Param.	AIC	Δ AIC	Weight	Model Like.
Section One:								
M_{0t}	13,488	1,150	457.9	1	917.9	0.00	0.981	1.000
M_{tt}	14,158	1,109	454.9	8	925.8	7.91	0.019	0.019
Section Three:								
M_{tt}	9,160	474	1228.5	8	2473.0	0.00	1.000	1.000
M_{0t}	9,775	429	1245.5	1	2493.0	19.98	0.000	0.000
Section Five:								
M_{tt}	6,537	470	749.7	8	1515.4	0.00	0.996	1.000
M_{0t}	7,660	459	762.1	1	1526.3	10.89	0.004	0.004

Table E.10 Sample size and recaptures of Mountain Whitefish by section and date.

Date	One		Three		Five		Total	
	Sample	Recap.	Sample	Recap.	Sample	Recap.	Sample	Recap.
8/24/2013	180	0	0	0	0	0	180	0
8/25/2013	222	0	0	0	0	0	222	0
8/26/2013	0	0	276	0	0	0	276	0
8/27/2013	0	0	292	0	0	0	292	0
8/28/2013	0	0	0	0	243	0	243	0
8/29/2013	0	0	0	0	178	0	178	0
8/30/2013	299	12	0	0	0	0	299	12
8/31/2013	100	2	0	0	0	0	100	2
9/1/2013	0	0	198	8	0	0	198	8
9/2/2013	0	0	226	24	0	0	226	24
9/3/2013	0	0	0	0	136	13	136	13
9/4/2013	0	0	0	0	104	7	104	7
9/5/2013	97	7	0	0	0	0	97	7
9/6/2013	212	7	0	0	0	0	212	7
9/7/2013	0	0	0	0	0	0	0	0
9/8/2013	0	0	0	0	0	0	0	0
9/9/2013	0	0	0	0	0	0	0	0
9/10/2013	0	0	0	0	0	0	0	0
9/11/2013	0	0	184	16	0	0	184	16
9/12/2013	0	0	235	34	0	0	235	34
9/13/2013	0	0	0	0	205	22	205	22
9/14/2013	0	0	0	0	125	15	125	15
9/15/2013	230	16	0	0	0	0	230	16
9/16/2013	135	9	0	0	0	0	135	9
9/17/2013	0	0	382	60	0	0	382	60
9/18/2013	0	0	347	59	0	0	347	59
9/19/2013	0	0	0	0	250	33	250	33
9/20/2013	0	0	0	0	197	23	197	23
9/21/2013	368	38	0	0	0	0	368	38
9/22/2013	0	0	765	120	0	0	765	120
9/23/2013	0	0	0	0	695	91	695	91
9/24/2013	450	36	0	0	0	0	450	36
9/25/2013	0	0	696	114	0	0	696	114
9/26/2013	0	0	0	0	393	39	393	39
Total	2,293	127	3,601	435	2,526	243	8,420	805

Table E.11 Mountain Whitefish marks applied by section and date adjusted for migration.

Date	One	Three	Five	Total
8/24/2013	170.7	0.9	2.4	174
8/25/2013	202.1	1.0	2.9	206
8/26/2013	0.0	264.8	5.2	270
8/27/2013	0.0	278.5	5.5	284
8/28/2013	0.0	0.0	229.0	229
8/29/2013	0.0	0.0	171.0	171
8/30/2013	268.8	1.3	3.8	274
8/31/2013	91.2	0.5	1.3	93
9/1/2013	0.0	173.6	3.4	177
9/2/2013	0.0	193.2	3.8	197
9/3/2013	0.0	0.0	111.0	111
9/4/2013	0.0	0.0	94.0	94
9/5/2013	79.5	0.4	1.1	81
9/6/2013	188.4	0.9	2.7	192
9/7/2013	0.0	0.0	0.0	0
9/8/2013	0.0	0.0	0.0	0
9/9/2013	0.0	0.0	0.0	0
9/10/2013	0.0	0.0	0.0	0
9/11/2013	0.0	156.9	3.1	160
9/12/2013	0.0	190.3	3.7	194
9/13/2013	0.0	0.0	175.0	175
9/14/2013	0.0	0.0	98.0	98
9/15/2013	196.2	1.0	2.8	200
9/16/2013	114.8	0.6	1.6	117
9/17/2013	0.0	298.1	5.9	304
9/18/2013	0.0	268.7	5.3	274
9/19/2013	0.0	0.0	214.0	214
9/20/2013	0.0	0.0	157.0	157
9/21/2013	65.7	0.3	0.9	67
9/22/2013	0.0	144.2	2.8	147
9/23/2013	0.0	0.0	88.0	88
9/24/2013	66.7	0.3	1.0	68
9/25/2013	0.0	96.1	1.9	98
9/26/2013	0.0	0.0	34.0	34
Total	1,444	2,072	1,432	4,948

Table E.12 Mountain Whitefish sample, cumulative marks available for recapture and recaptures by section and date.

Date	Sample	Marks	Recap.
Section One:			
8/30/2013	299	368	12
8/31/2013	100	366	2
9/5/2013	97	710	7
9/6/2013	212	706	7
9/15/2013	230	930	16
9/16/2013	135	925	9
9/21/2013	368	1206	38
9/24/2013	450	1252	36
Section Three:			
8/27/2013	292	1	
9/1/2013	198	543	8
9/2/2013	226	543	24
9/11/2013	184	897	16
9/12/2013	235	896	34
9/17/2013	382	1233	60
9/18/2013	347	1231	59
9/22/2013	765	1787	120
9/25/2013	696	1922	114
Section Five:			
8/28/2013	243	5	
8/29/2013	178	10	
9/3/2013	136	405	13
9/4/2013	104	403	7
9/13/2013	205	546	22
9/14/2013	125	541	15
9/19/2013	250	773	33
9/20/2013	197	767	23
9/23/2013	695	1107	91
9/26/2013	393	1151	39

Table E.13 Population estimates by section for Mountain Whitefish.

Section	Bayes Mean	MLE	95% HPD		Standard Deviation	CV (%)
			Low	High		
One	13,693	13,615	11,450	16,060	1,182	8.6
Three	9,817	9,803	8,980	10,680	432	4.4
Five	7,731	7,708	6,835	8,665	466	6.0
Total	31,241		28,610	33,872	1,342	4.3

Table E.14 Sample size and recaptures of Arctic Grayling by section and date.

Date	One		Three		Five		Total	
	Sample	Recap.	Sample	Recap.	Sample	Recap.	Sample	Recap.
8/24/2013	0	0	0	0	0	0	0	0
8/25/2013	2	0	0	0	0	0	2	0
8/26/2013	0	0	1	0	0	0	1	0
8/27/2013	0	0	2	0	0	0	2	0
8/28/2013	0	0	0	0	4	0	4	0
8/29/2013	0	0	0	0	1	0	1	0
8/30/2013	0	0	0	0	0	0	0	0
8/31/2013	0	0	0	0	0	0	0	0
9/1/2013	0	0	0	0	0	0	0	0
9/2/2013	0	0	0	0	0	0	0	0
9/3/2013	0	0	0	0	3	0	3	0
9/4/2013	0	0	0	0	0	0	0	0
9/5/2013	0	0	0	0	0	0	0	0
9/6/2013	0	0	0	0	0	0	0	0
9/7/2013	0	0	0	0	0	0	0	0
9/8/2013	0	0	0	0	0	0	0	0
9/9/2013	0	0	0	0	0	0	0	0
9/10/2013	0	0	0	0	0	0	0	0
9/11/2013	0	0	0	0	0	0	0	0
9/12/2013	0	0	0	0	0	0	0	0
9/13/2013	0	0	0	0	0	0	0	0
9/14/2013	0	0	0	0	1	0	1	0
9/15/2013	0	0	0	0	0	0	0	0
9/16/2013	0	0	0	0	0	0	0	0
9/17/2013	0	0	0	0	0	0	0	0
9/18/2013	0	0	1	0	0	0	1	0
9/19/2013	0	0	0	0	0	0	0	0
9/20/2013	0	0	0	0	0	0	0	0
9/21/2013	0	0	0	0	0	0	0	0
9/22/2013	0	0	1	0	0	0	1	0
9/23/2013	0	0	0	0	0	0	0	0
9/24/2013	0	0	0	0	0	0	0	0
9/25/2013	0	0	0	0	0	0	0	0
9/26/2013	0	0	0	0	0	0	0	0
Total	2	0	5	0	9	0	16	0

Table E.15 Arctic Grayling marks applied by section and date.

Date	One	Three	Five	Total
8/24/2013	0.0	0.0	0.0	0
8/25/2013	2.0	0.0	0.0	2
8/26/2013	0.0	1.0	0.0	1
8/27/2013	0.0	2.0	0.0	2
8/28/2013	0.0	0.0	4.0	4
8/29/2013	0.0	0.0	1.0	1
8/30/2013	0.0	0.0	0.0	0
8/31/2013	0.0	0.0	0.0	0
9/1/2013	0.0	0.0	0.0	0
9/2/2013	0.0	0.0	0.0	0
9/3/2013	0.0	0.0	3.0	3
9/4/2013	0.0	0.0	0.0	0
9/5/2013	0.0	0.0	0.0	0
9/6/2013	0.0	0.0	0.0	0
9/7/2013	0.0	0.0	0.0	0
9/8/2013	0.0	0.0	0.0	0
9/9/2013	0.0	0.0	0.0	0
9/10/2013	0.0	0.0	0.0	0
9/11/2013	0.0	0.0	0.0	0
9/12/2013	0.0	0.0	0.0	0
9/13/2013	0.0	0.0	0.0	0
9/14/2013	0.0	0.0	0.0	0
9/15/2013	0.0	0.0	0.0	0
9/16/2013	0.0	0.0	0.0	0
9/17/2013	0.0	0.0	0.0	0
9/18/2013	0.0	1.0	0.0	1
9/19/2013	0.0	0.0	0.0	0
9/20/2013	0.0	0.0	0.0	0
9/21/2013	0.0	0.0	0.0	0
9/22/2013	0.0	1.0	0.0	1
9/23/2013	0.0	0.0	0.0	0
9/24/2013	0.0	0.0	0.0	0
9/25/2013	0.0	0.0	0.0	0
9/26/2013	0.0	0.0	0.0	0
Total	2.0	5.0	8.0	15.0

Table E.16 Sample size and recaptures of Bull Trout by section and date.

Date	One		Three		Five		Total	
	Sample	Recap.	Sample	Recap.	Sample	Recap.	Sample	Recap.
8/24/2013	0	0	0	0	0	0	0	0
8/25/2013	3	0	0	0	0	0	3	0
8/26/2013	0	0	10	0	0	0	10	0
8/27/2013	0	0	13	0	0	0	13	0
8/28/2013	0	0	0	0	8	0	8	0
8/29/2013	0	0	0	0	5	0	5	0
8/30/2013	1	0	0	0	0	0	1	0
8/31/2013	1	0	0	0	0	0	1	0
9/1/2013	0	0	10	3	0	0	10	3
9/2/2013	0	0	4	0	0	0	4	0
9/3/2013	0	0	0	0	3	0	3	0
9/4/2013	0	0	0	0	4	0	4	0
9/5/2013	0	0	0	0	0	0	0	0
9/6/2013	2	0	0	0	0	0	2	0
9/7/2013	0	0	0	0	0	0	0	0
9/8/2013	0	0	0	0	0	0	0	0
9/9/2013	0	0	0	0	0	0	0	0
9/10/2013	0	0	0	0	0	0	0	0
9/11/2013	0	0	5	1	0	0	5	1
9/12/2013	0	0	11	1	0	0	11	1
9/13/2013	0	0	0	0	1	0	1	0
9/14/2013	0	0	0	0	2	0	2	0
9/15/2013	0	0	0	0	0	0	0	0
9/16/2013	1	0	0	0	0	0	1	0
9/17/2013	0	0	5	2	0	0	5	2
9/18/2013	0	0	7	2	0	0	7	2
9/19/2013	0	0	0	0	4	2	4	2
9/20/2013	0	0	0	0	6	2	6	2
9/21/2013	6	0	0	0	0	0	6	0
9/22/2013	0	0	19	5	0	0	19	5
9/23/2013	0	0	0	0	2	1	2	1
9/24/2013	9	1	0	0	0	0	9	1
9/25/2013	0	0	16	3	0	0	16	3
9/26/2013	0	0	0	0	9	1	9	1
Total	23	1	100	17	44	6	167	24

Table E.17 Bull Trout marks applied by section and date adjusted for migration.

Date	One	Three	Five	Total
8/24/2013	0.0	0.0	0.0	0
8/25/2013	3.0	0.0	0.0	3
8/26/2013	0.0	10.0	0.0	10
8/27/2013	0.0	13.0	0.0	13
8/28/2013	0.0	0.0	8.0	8
8/29/2013	0.0	0.0	5.0	5
8/30/2013	1.0	0.0	0.0	1
8/31/2013	1.0	0.0	0.0	1
9/1/2013	0.0	7.0	0.0	7
9/2/2013	0.0	3.0	0.0	3
9/3/2013	0.0	0.0	3.0	3
9/4/2013	0.0	0.0	4.0	4
9/5/2013	0.0	0.0	0.0	0
9/6/2013	2.0	0.0	0.0	2
9/7/2013	0.0	0.0	0.0	0
9/8/2013	0.0	0.0	0.0	0
9/9/2013	0.0	0.0	0.0	0
9/10/2013	0.0	0.0	0.0	0
9/11/2013	0.0	4.0	0.0	4
9/12/2013	0.0	9.0	0.0	9
9/13/2013	0.0	0.0	1.0	1
9/14/2013	0.0	0.0	2.0	2
9/15/2013	1.0	0.0	0.0	1
9/16/2013	1.0	0.0	0.0	1
9/17/2013	0.0	3.0	0.0	3
9/18/2013	0.0	5.0	0.0	5
9/19/2013	0.0	0.0	2.0	2
9/20/2013	0.0	0.0	4.0	4
9/21/2013	6.0	0.0	0.0	6
9/22/2013	0.0	14.0	0.0	14
9/23/2013	0.0	0.0	1.0	1
9/24/2013	8.0	0.0	0.0	8
9/25/2013	0.0	13.0	0.0	13
9/26/2013	0.0	0.0	8.0	8
Total	23.0	81.0	38.0	142.0

Table E.18 Bull Trout sample, cumulative marks available for recapture and recaptures by section and date.

Date	Sample	Marks	Recap.
Section Three:			
9/1/2013	10	23	3
9/2/2013	4	23	
9/11/2013	5	33	1
9/12/2013	11	33	1
9/17/2013	5	46	2
9/18/2013	7	46	2
9/22/2013	19	54	5
9/25/2013	16	68	3
Section Five:			
9/1/2013	10	23	3
9/2/2013	4	23	
9/11/2013	5	33	1
9/12/2013	11	33	1
9/17/2013	5	46	2
9/18/2013	7	46	2
9/22/2013	19	54	5
9/25/2013	16	68	3

Table E.19 Population estimates by section for Bull Trout.

Section	Bayes Mean	MLE	95% HPD		Standard Deviation	CV (%)
			Low	High		
Three	237	228	144	350	56	23.6
Five	170	148	59	337	87	51.4
Total	407		204	610	104	25.5

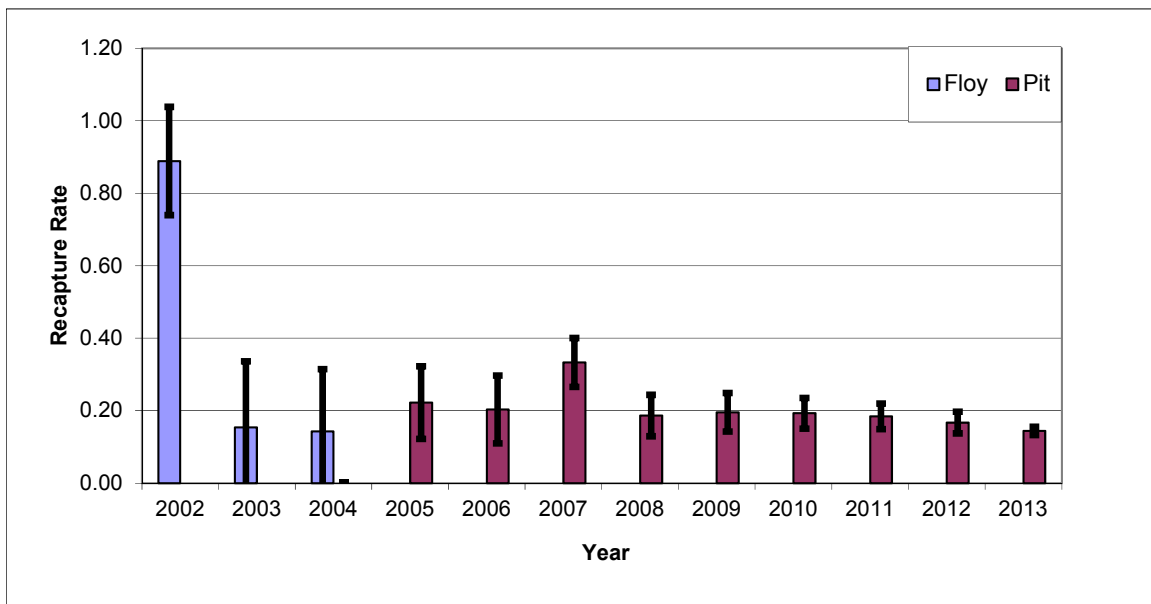


Figure E.1 Proportion of marks recaptured (recapture rate) by tag type and year of release for Mountain Whitefish.

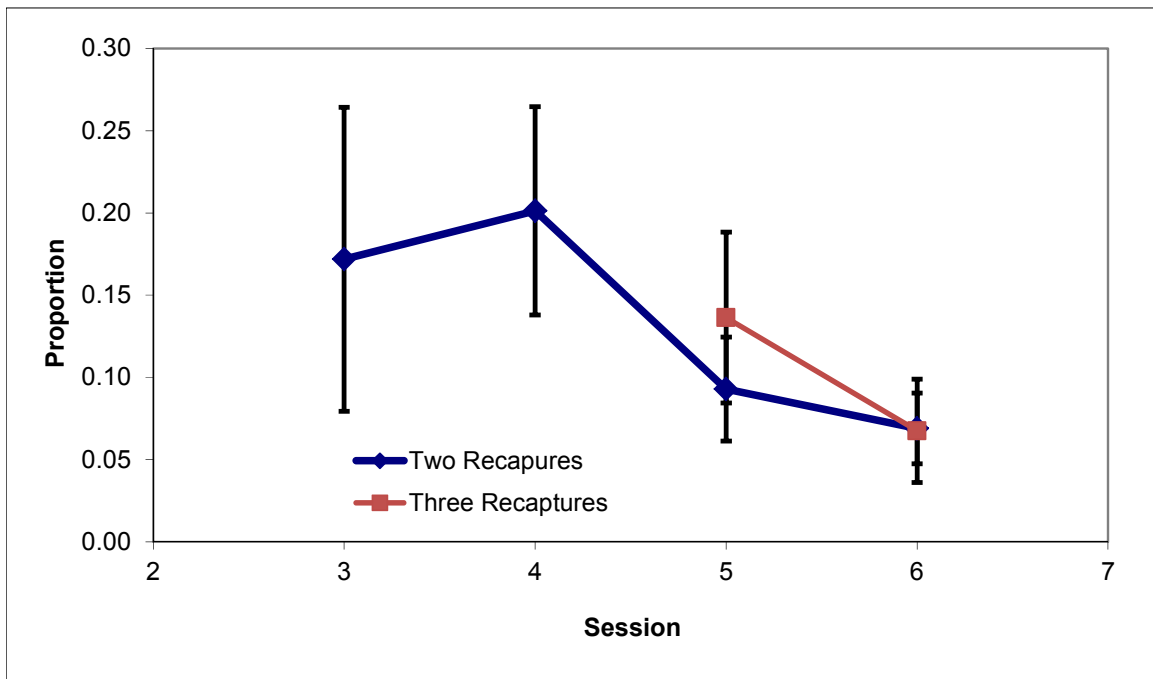


Figure E.2 Proportion of Mountain Whitefish recaptured two and three times by sampling session. Error bars represent the 95% confidence interval assuming a multinomial distribution.

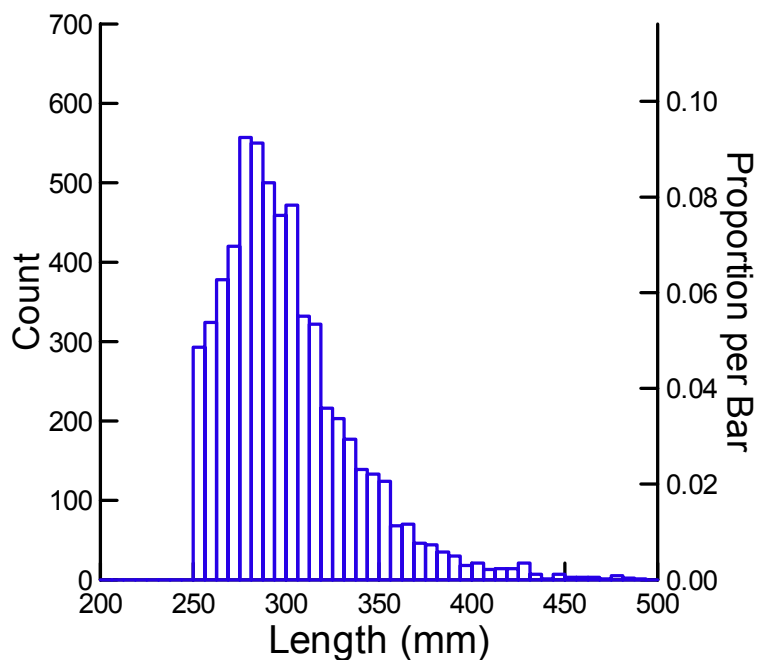


Figure E.3 Histogram of Mountain Whitefish lengths at release.

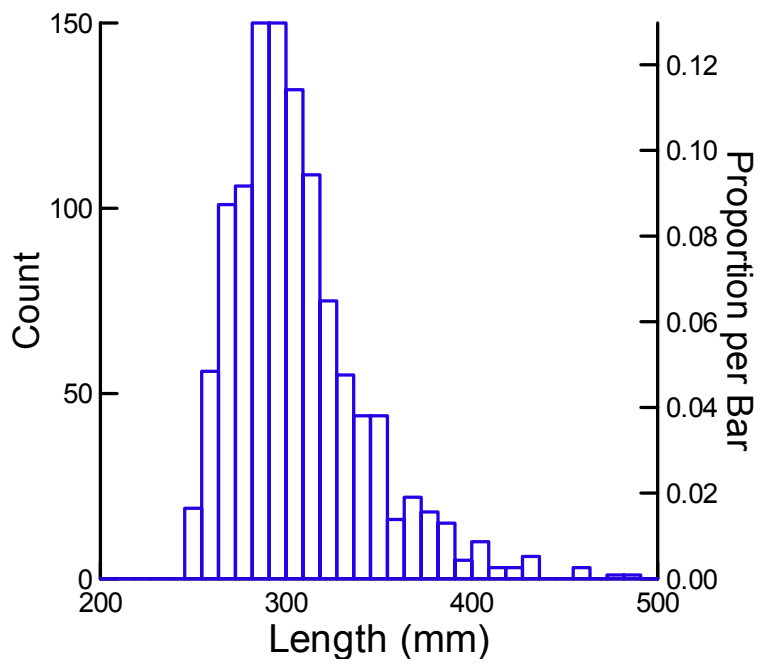


Figure E.4 Histogram of Mountain Whitefish lengths at recapture.

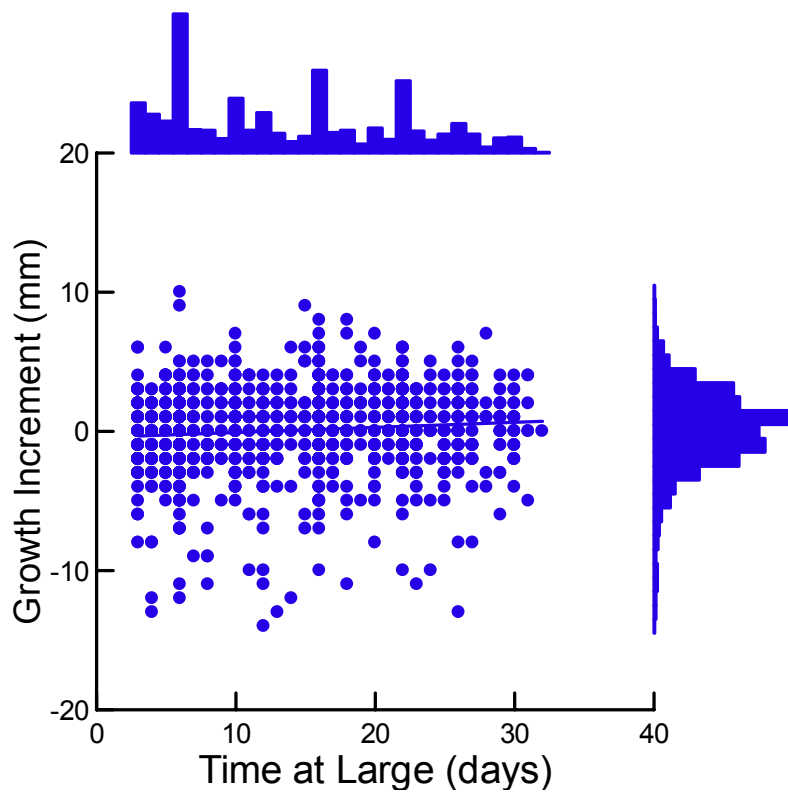


Figure E.5 Growth over the study period of Mountain Whitefish with border histograms of time at large and growth increment.

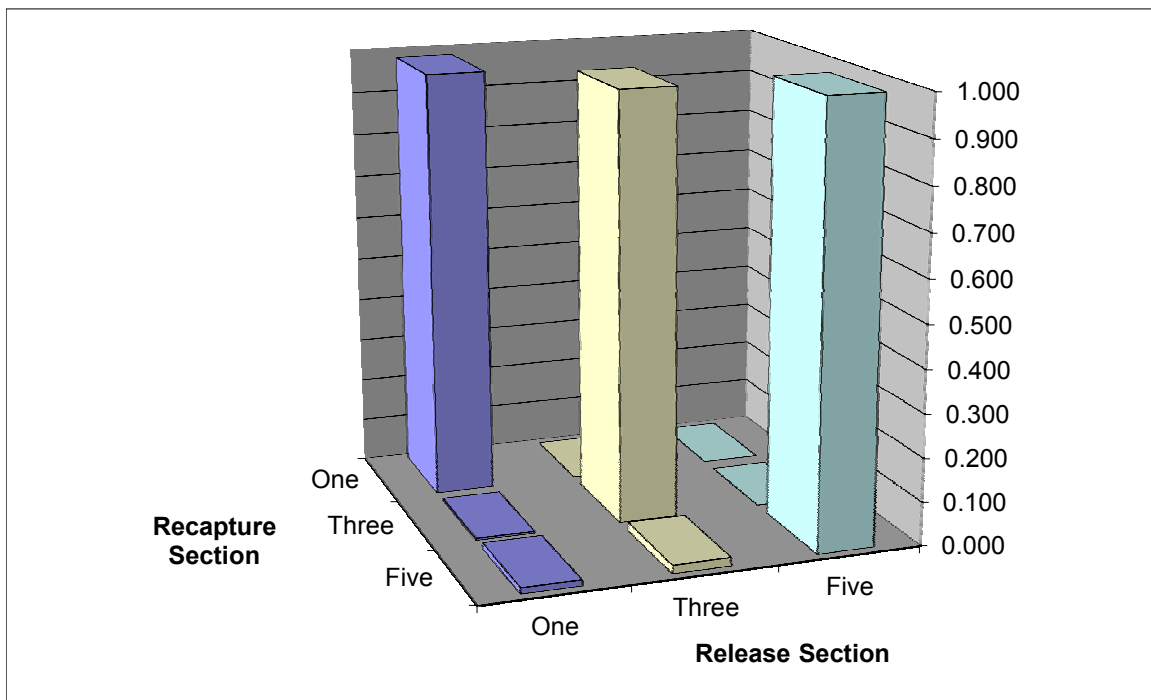


Figure E.6 Distribution of recaptured marks released in 2013 standardized for sampling effort by section of release for Mountain Whitefish.



Figure E.7 Bar plot of the travel distance of recaptured Mountain Whitefish released in 2013 within each of the sections sampled (positive values indicate upstream movement and negative values downstream movement).

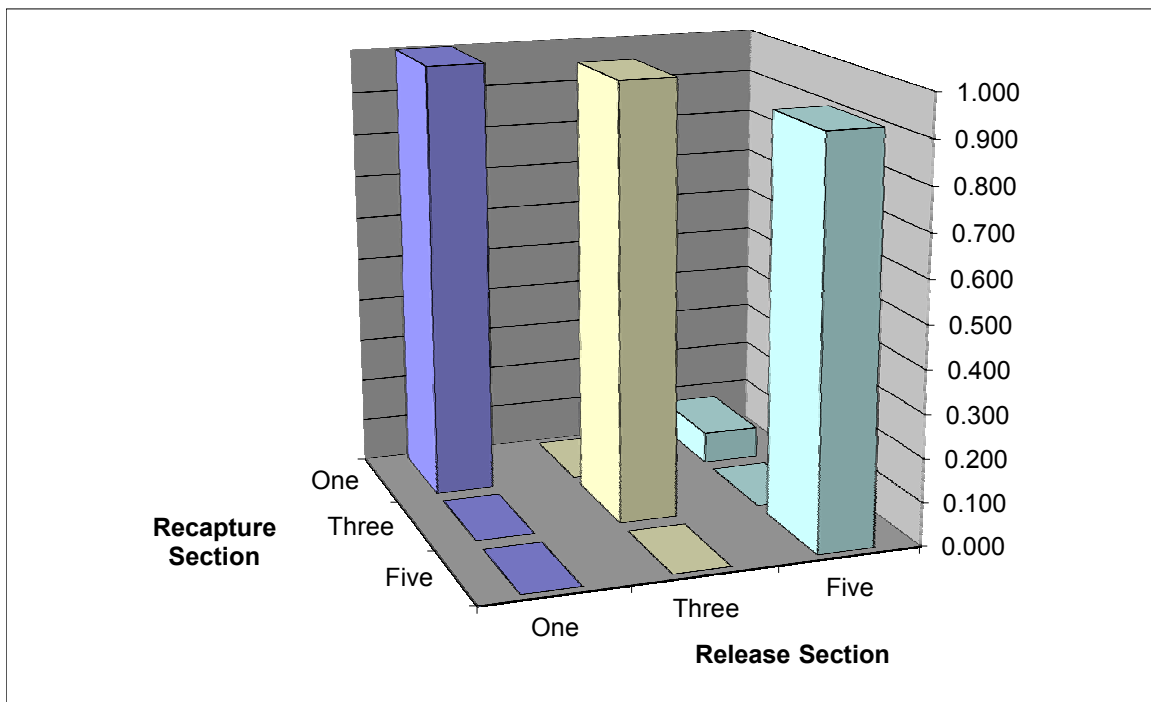


Figure E.8 Distribution of recaptured marks in 2013 standardized for sampling effort by section of release for Mountain Whitefish released in 2005.

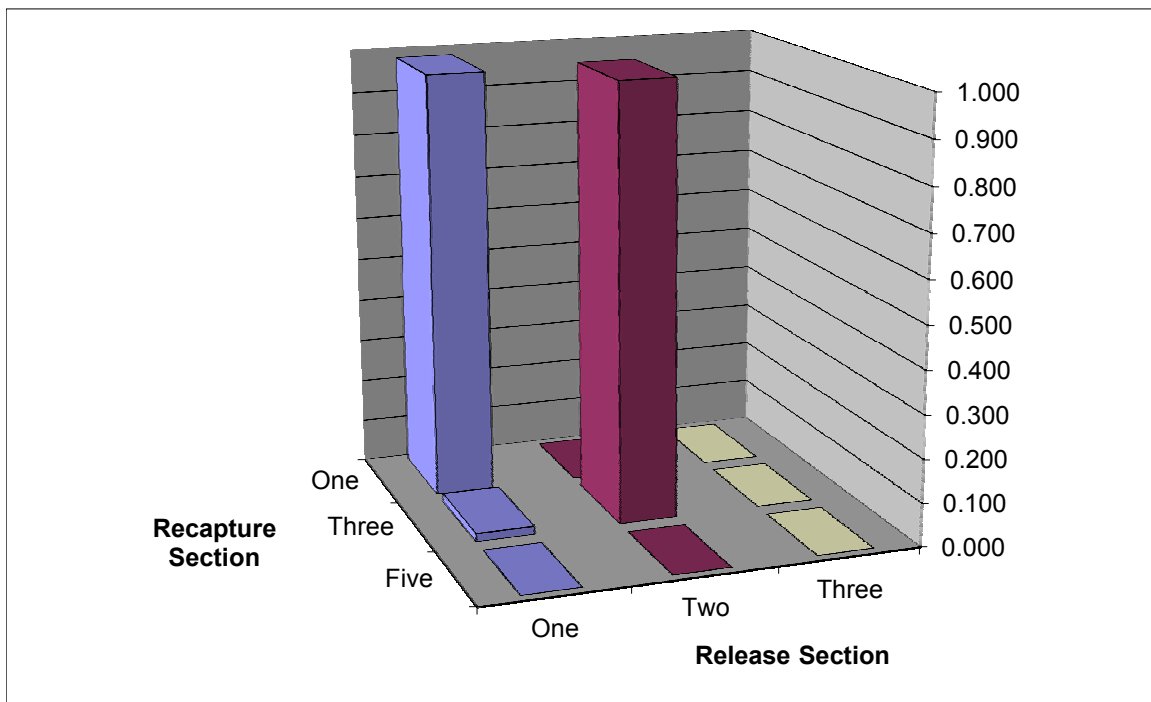


Figure E.9 Distribution of recaptured marks in 2013 standardized for sampling effort by section of release for Mountain Whitefish released in 2006.

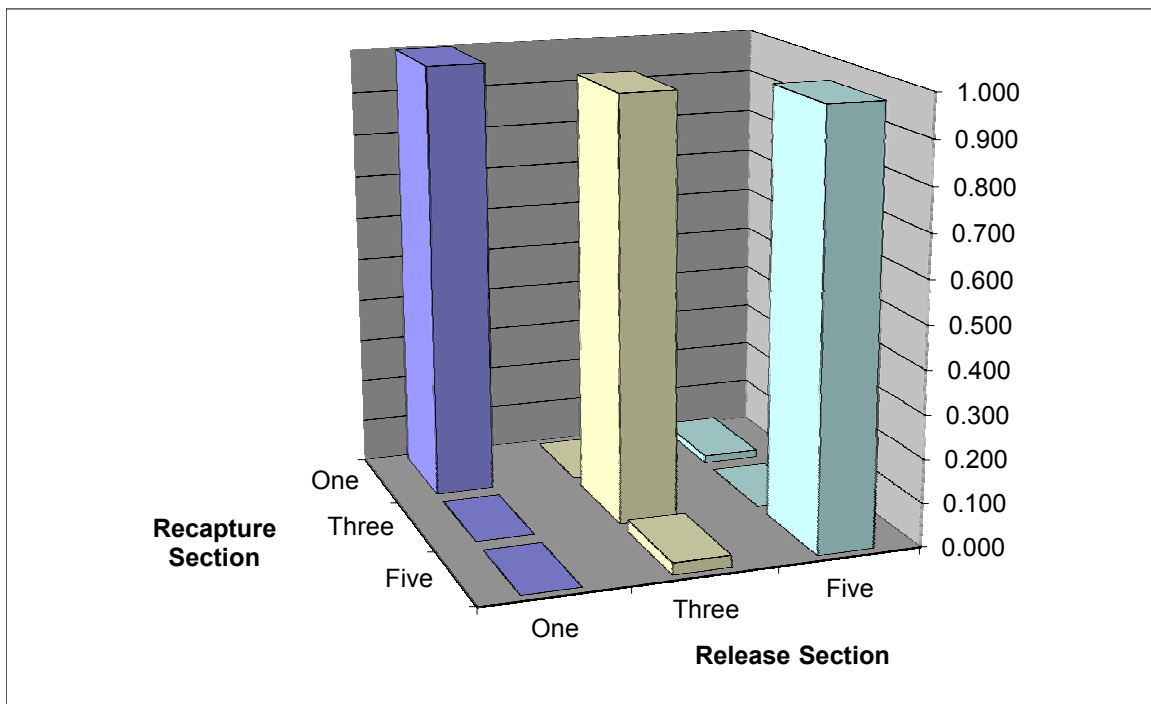


Figure E.10 Distribution of recaptured marks in 2013 standardized for sampling effort by section of release for Mountain Whitefish released in 2007.

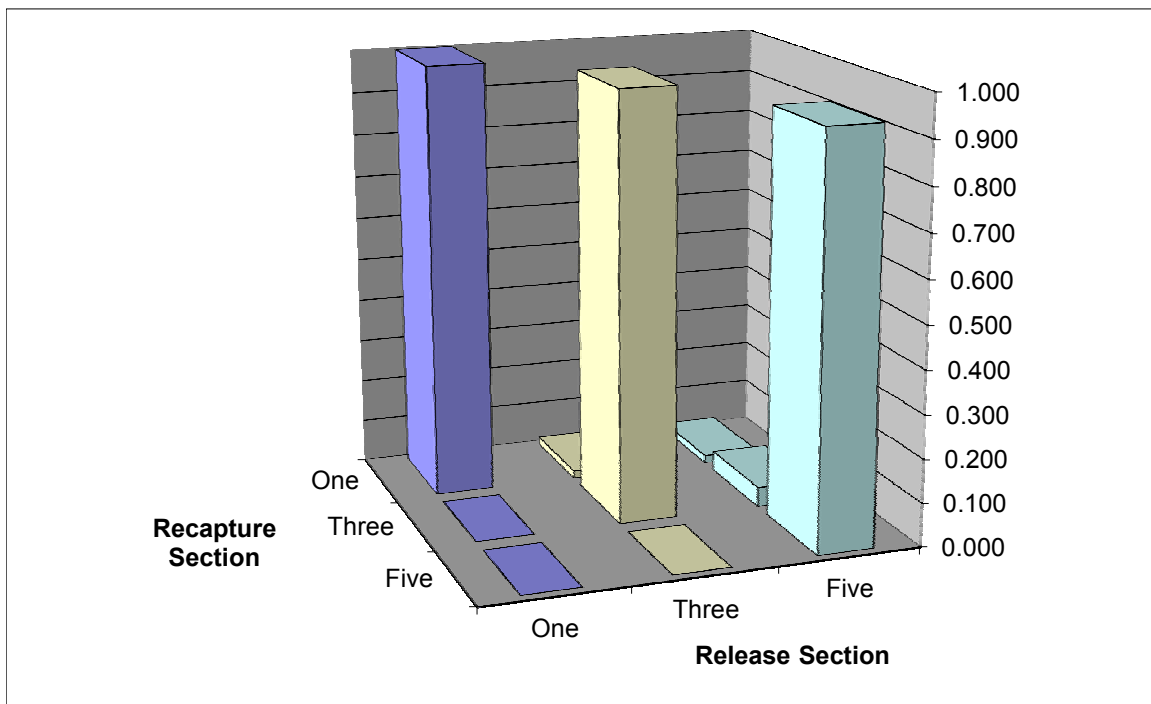


Figure E.11 Distribution of recaptured marks in 2013 standardized for sampling effort by section of release for Mountain Whitefish released in 2008.

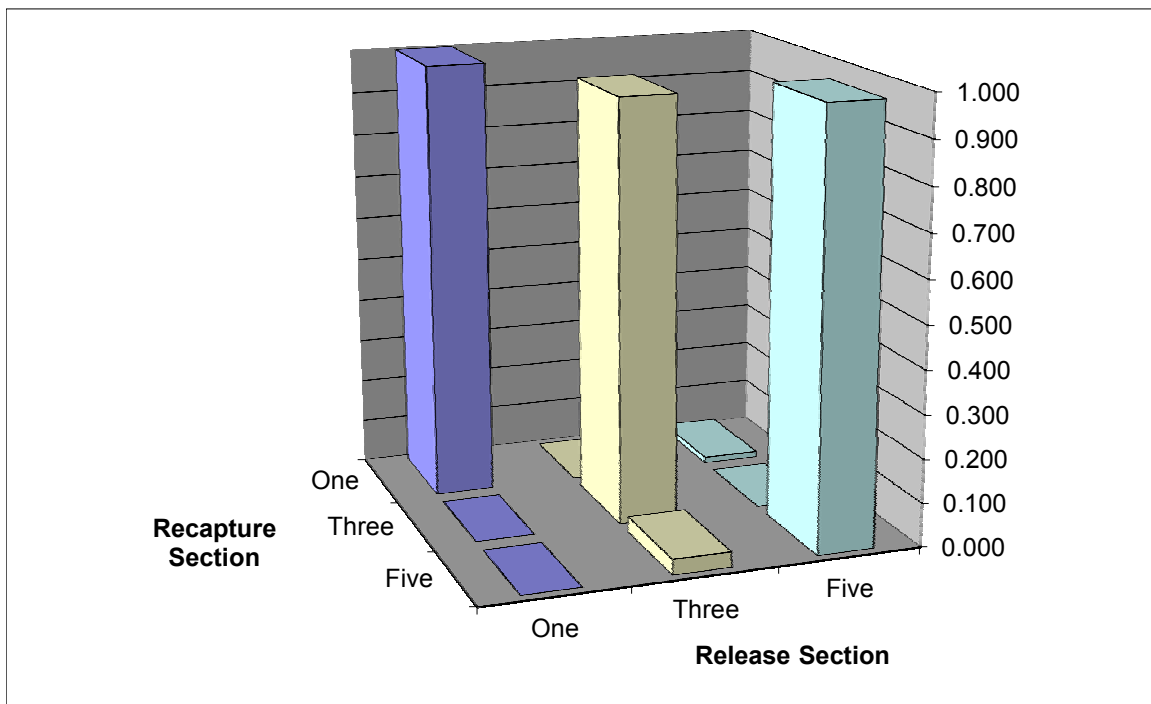


Figure E.12 Distribution of recaptured marks in 2013 standardized for sampling effort by section of release for Mountain Whitefish released in 2009.

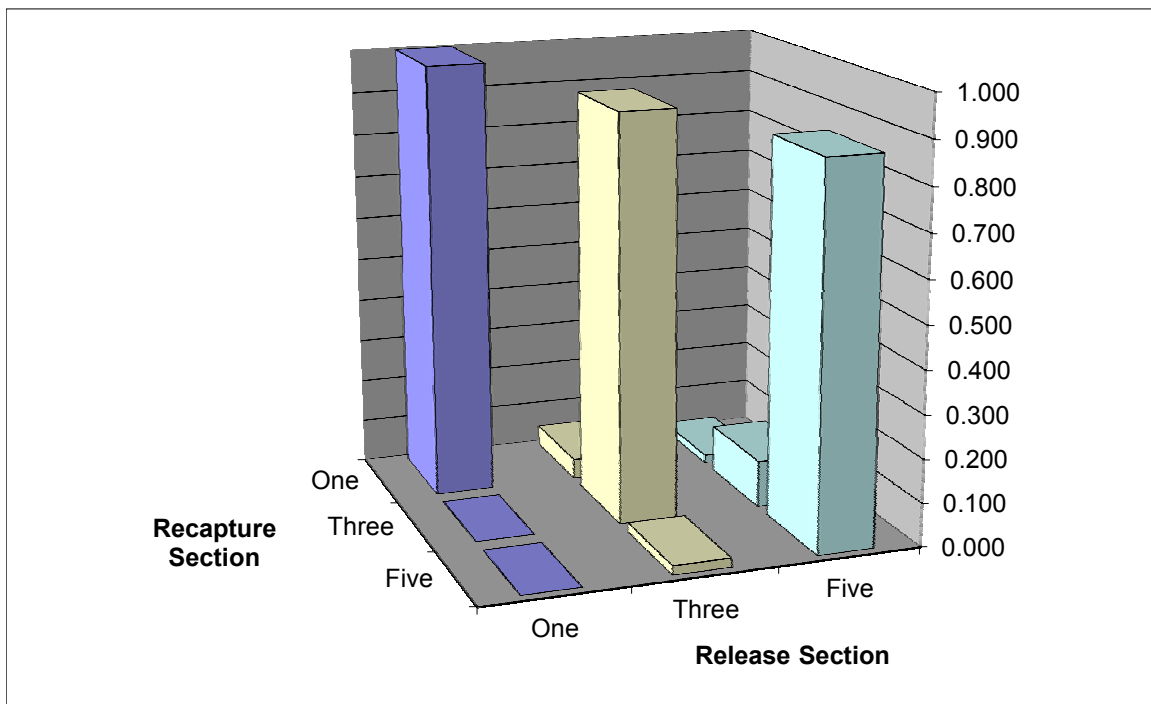


Figure E.13 Distribution of recaptured marks in 2013 standardized for sampling effort by section of release for Mountain Whitefish released in 2010.

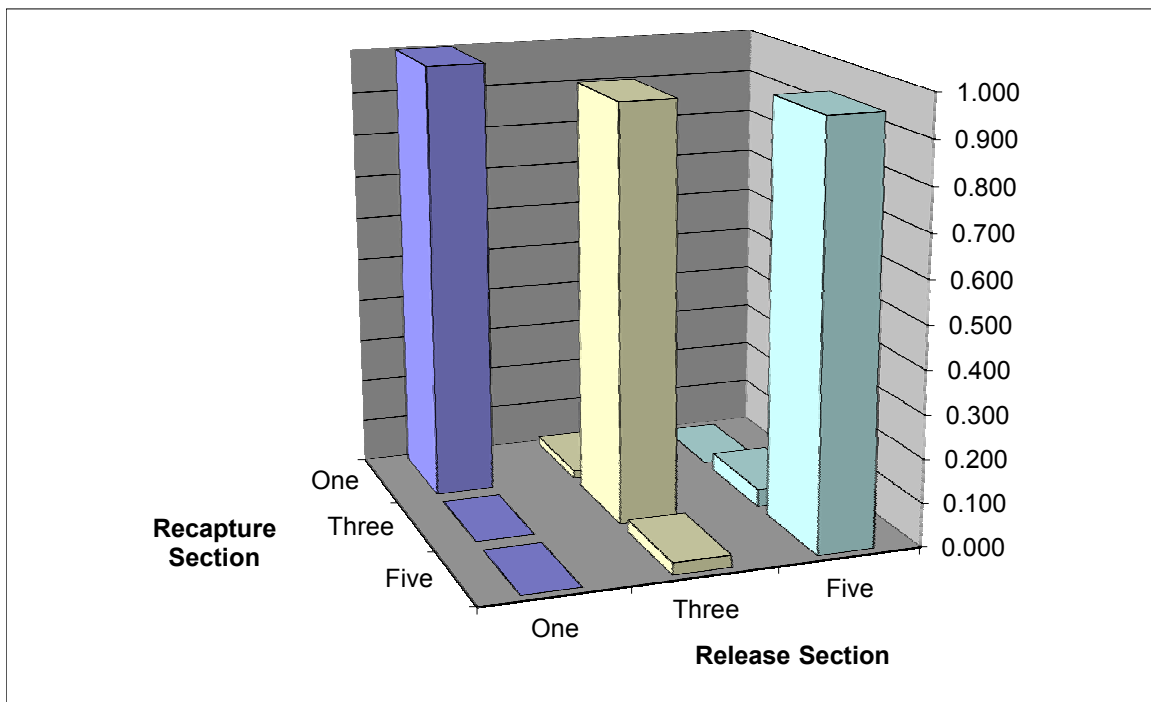


Figure E.14 Distribution of recaptured marks in 2013 standardized for sampling effort by section of release for Mountain Whitefish released in 2011.

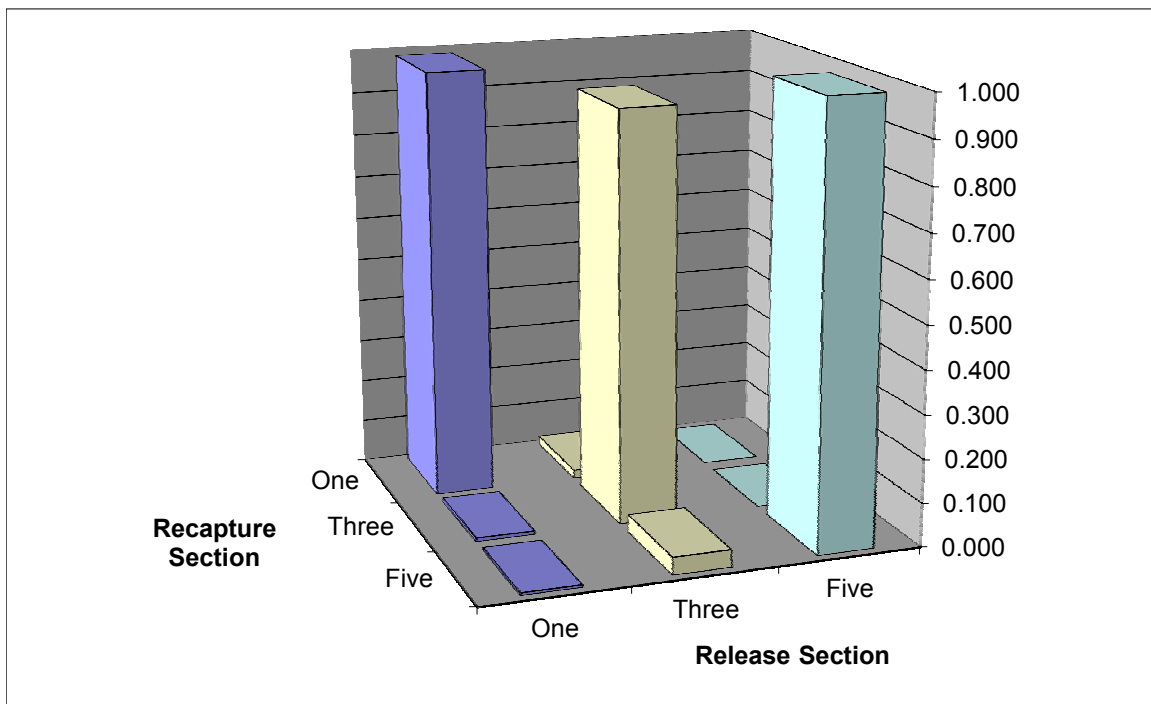


Figure E.15 Distribution of recaptured marks in 2013 standardized for sampling effort by section of release for Mountain Whitefish released in 2012.

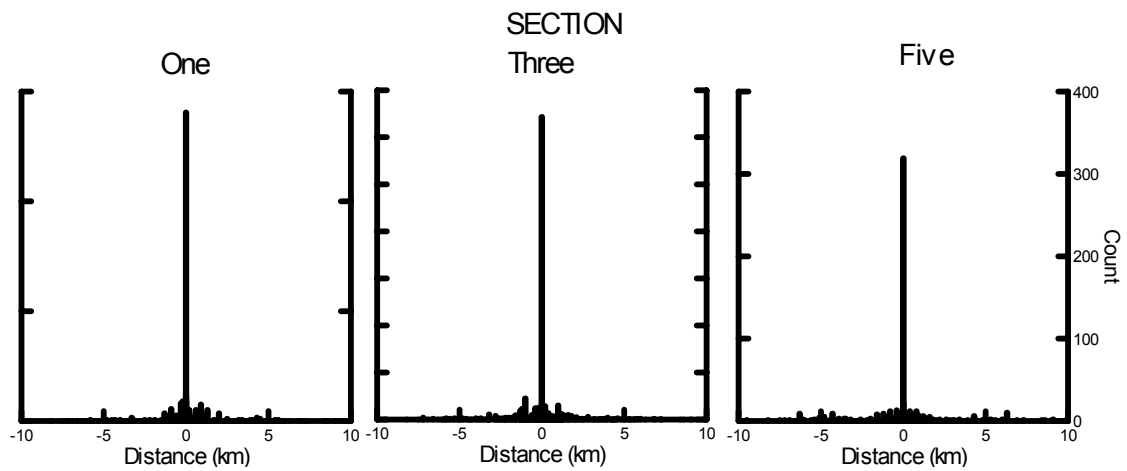


Figure E.16 Bar plot of the travel distance of recaptured Mountain Whitefish released from 2005 to 2012 within each of the sections sampled (positive values indicate upstream movement and negative values downstream movement) and captured in 2013.

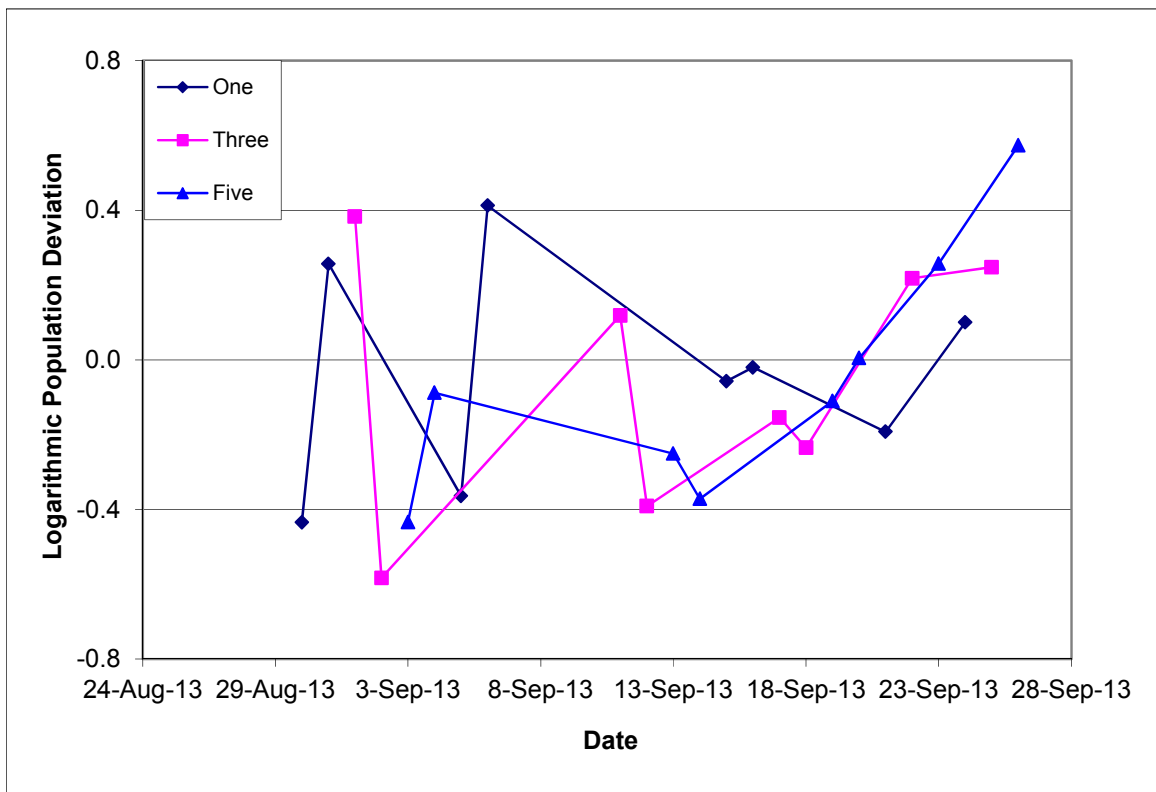


Figure E.17 Logarithmic population deviation from the mean by section and date for Mountain Whitefish.

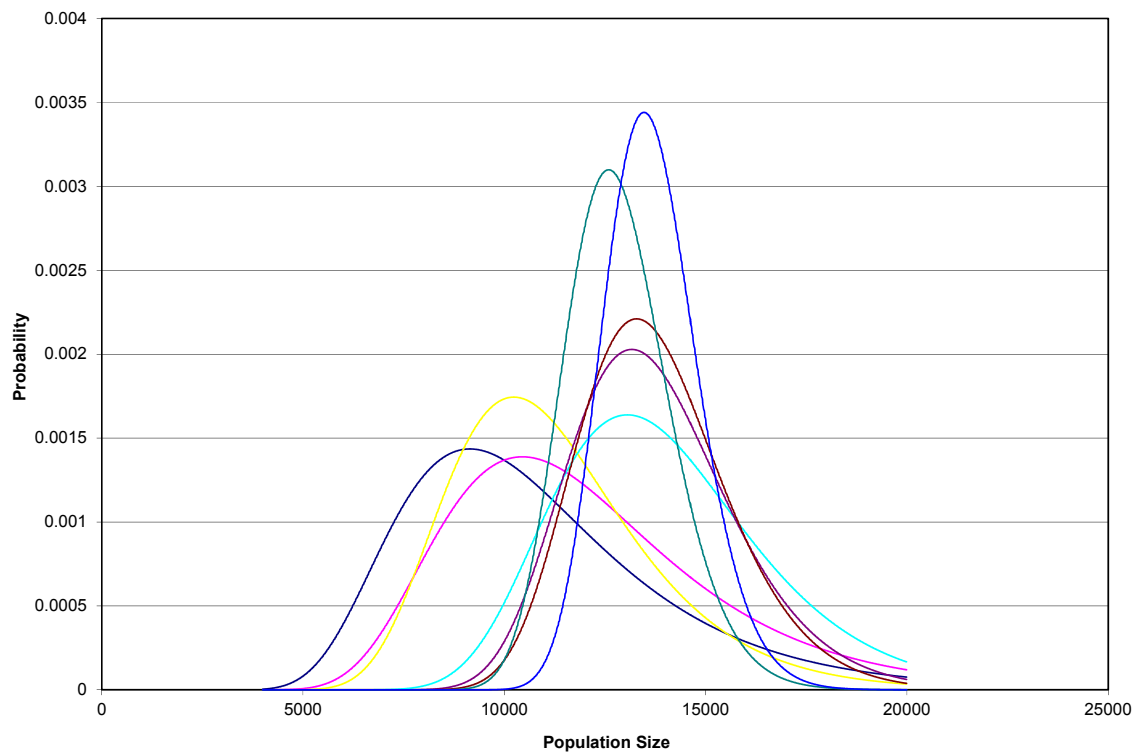


Figure E.18 Sequential posterior probability plots of population size for Section 1 Mountain Whitefish in 2013. Each line is the posterior probability updated by a sample day.

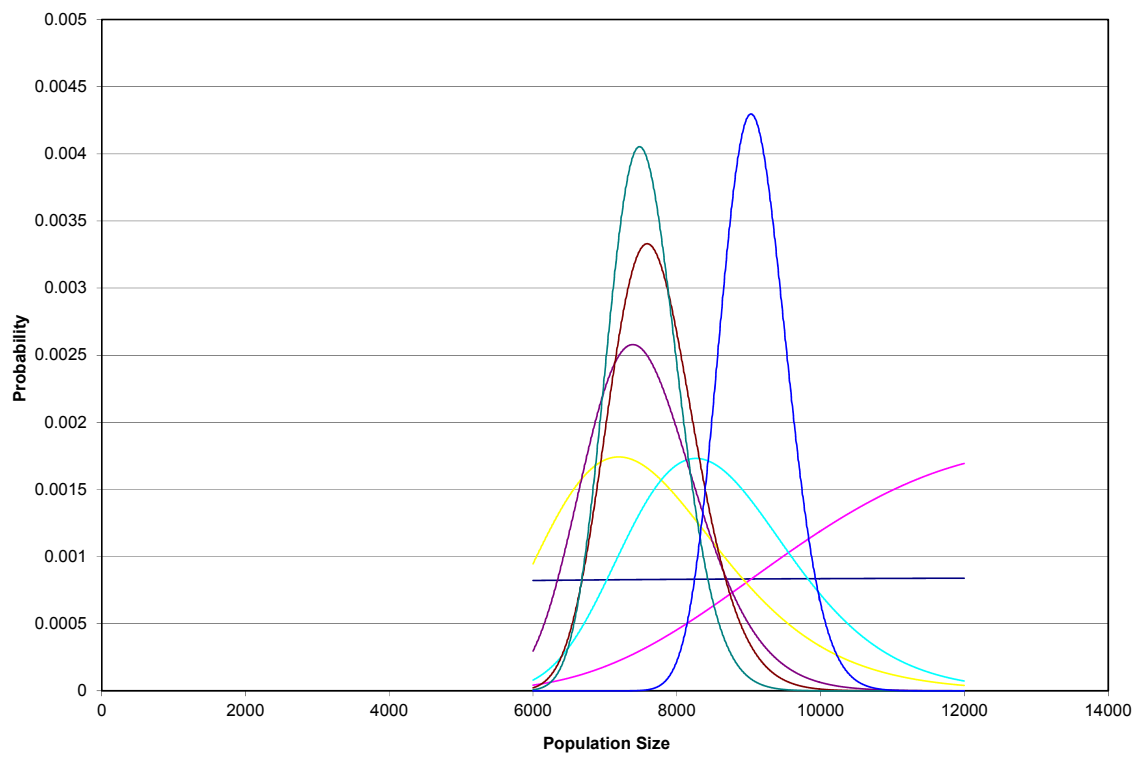


Figure E.19 Sequential posterior probability plots of population size for Section 3 Mountain Whitefish in 2013. Each line is the posterior probability updated by a sample day.

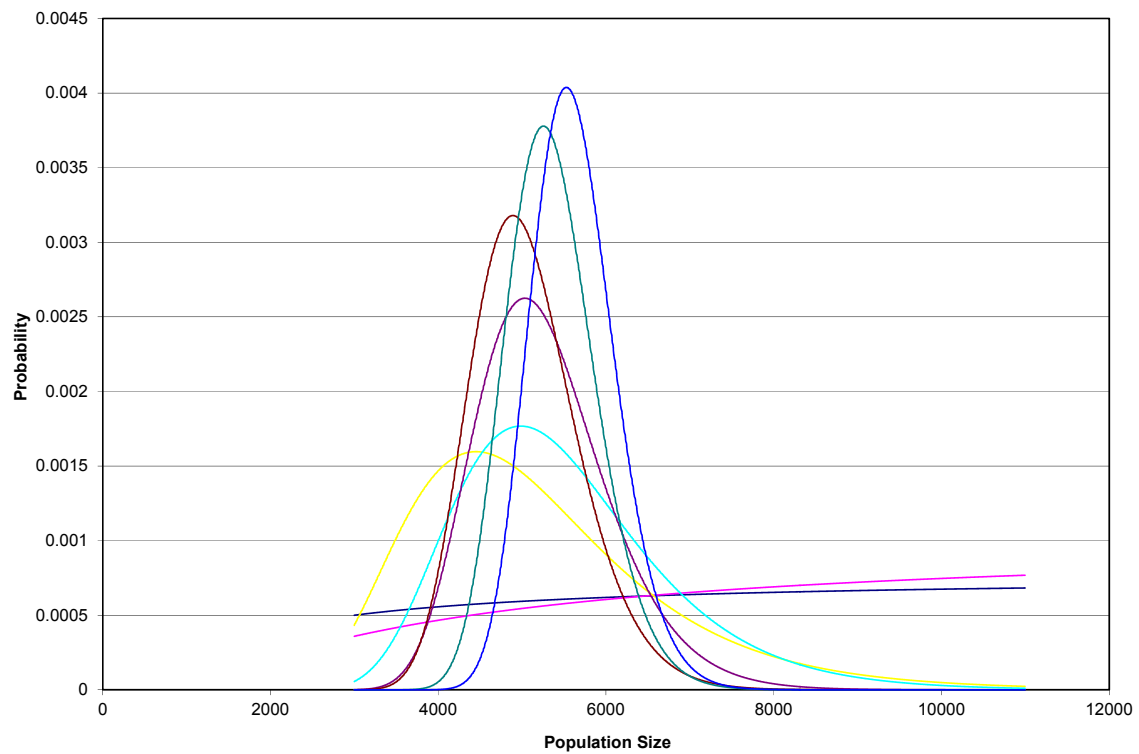


Figure E.20 Sequential posterior probability plots of population size for Section 5 Mountain Whitefish in 2013. Each line is the posterior probability updated by a sample day.

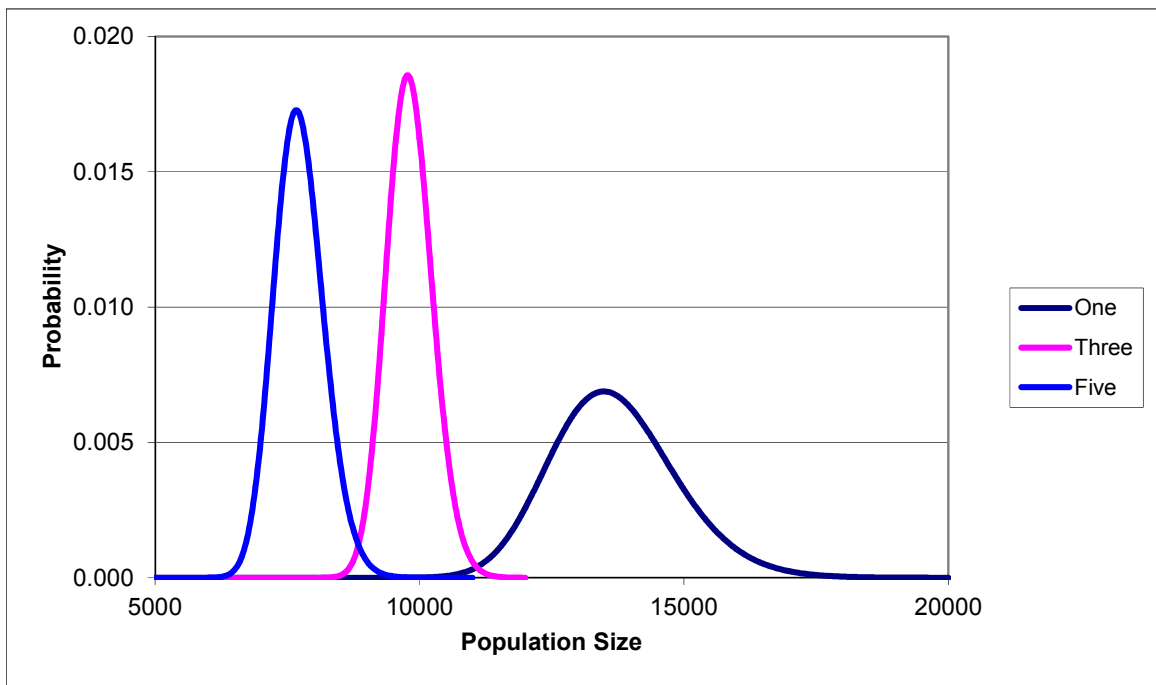


Figure E.21 Final posterior distributions by section for Mountain Whitefish.

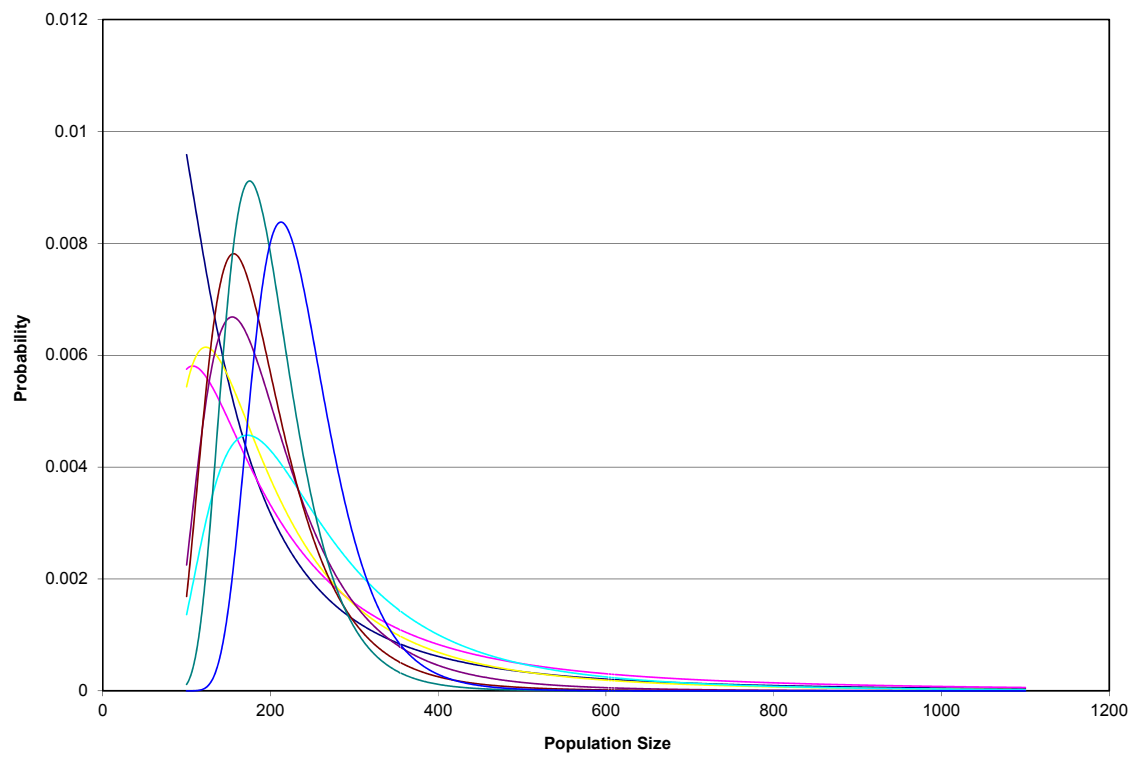


Figure E.22 Sequential posterior probability plots of population size for Section 3 Bull Trout in 2013. Each line is the posterior probability updated by a sample day.

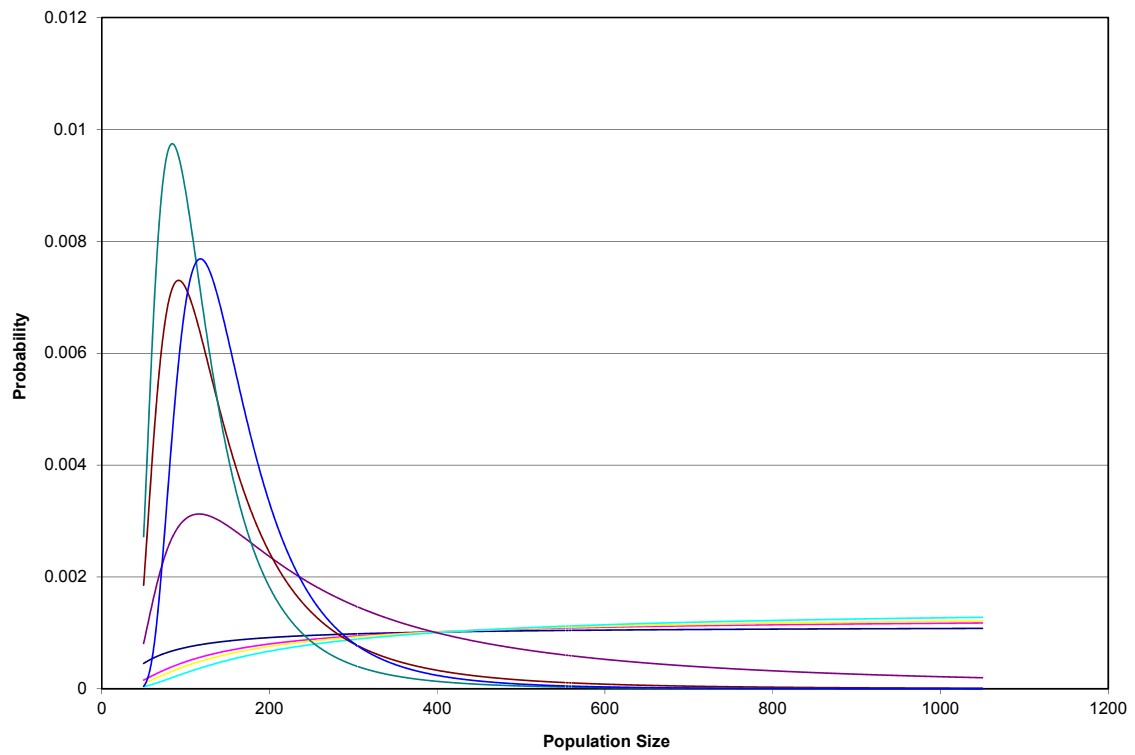


Figure E.23 Sequential posterior probability plots of population size for Section 5 Bull Trout in 2013. Each line is the posterior probability updated by a sample day.

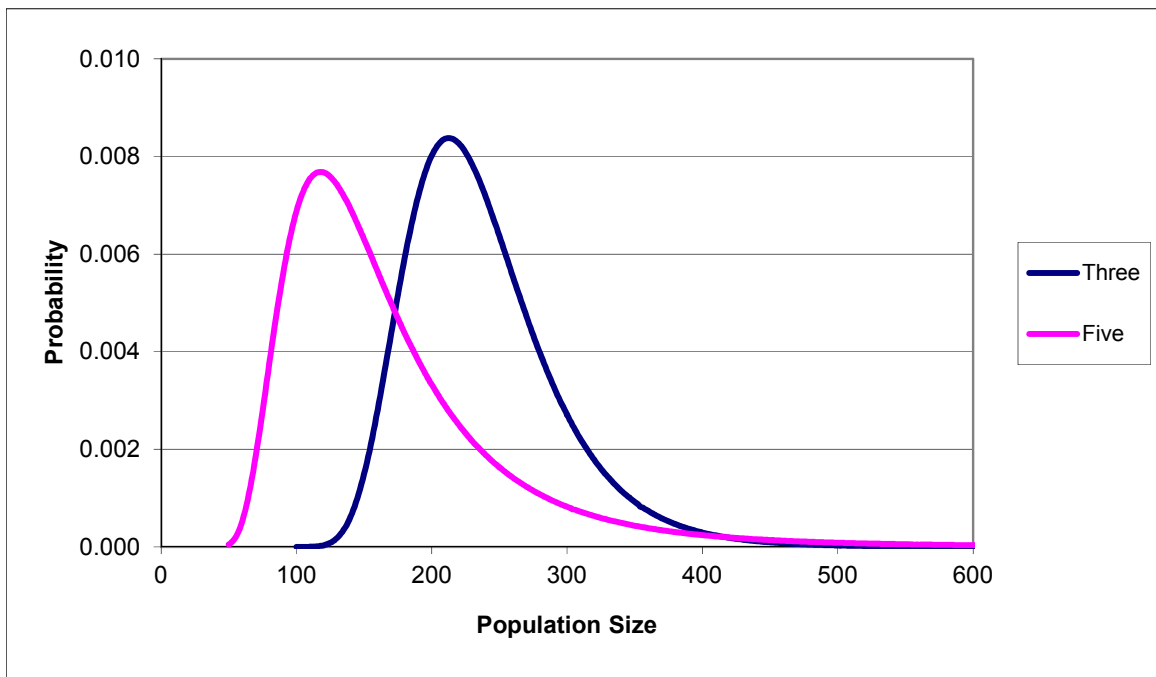


Figure E.24 Final posterior distribution by section for Bull Trout.