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**Assessment of the Summer Sport Fishery
For Lake Trout at Lake Minnewanka,
Banff National Park, Alberta, 2005.**



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Assessment of the Summer Sport Fishery for Lake Trout at Lake
Minnewanka, Banff National Park, Alberta, 2005.

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EXECUTIVE SUMMARY

This creel survey is part of a larger monitoring program that was designed to provide information required to manage the lake trout fishery in Lake Minnewanka. A catch and possession limit of two lake trout was applicable during the angling season (21 May – 5 September).

This survey was designed as an access point survey, stratified by weekdays, weekends, and holidays, and by time of day (am and pm). Three angling groups were surveyed independently during the 108-day fishing season from 21 May to 5 September 2005. The first survey was comprised of recreational anglers that accessed the lake via the boat launch area. This group was interviewed by two creel clerks at a creel booth in the vicinity. A second group survey documented recreational angling pressure that took place on the dam and at nearby shoreline areas of the lake. This was a visual instantaneous count survey and was done hourly during a creel shift. In addition, creel clerks corrected for the number of anglers that were not visible from the creel booth area by carrying out a survey of non-visible areas for a sub-sample of the instantaneous counts. Third, information on anglers was obtained from the two guiding companies on the lake, Banff Fishing Unlimited and Lake Minnewanka Tours. These operators were expected to provide censuses of their angling clientele including information on their guiding activities and angling effort.

Based on surveys of these different angler groups, total estimated angler effort was 7.69 h/ha (95% CI = 6.27 – 10.21) during the 2005 fishing season. Of this total effort, recreational anglers using the boat launch contributed an estimated 71% (5.42 h/ha), and guided anglers contributed 29% (2.23 h/ha); contribution of anglers on the dam and shoreline was negligible (i.e. 0% of total effort).

An estimated 1,806 lake trout (95% CI = 1,448 – 2,316) were harvested from Lake Minnewanka during the 2005 fishing season. Of this total, 60% (1,089 fish) was harvested by anglers using the boat launch, <1.0% (6 fish) by dam-based anglers, and 39% (711 fish) by guided anglers. Mean weight of individual lake trout harvested by recreational and guided anglers were 1.2 kg/fish (95% CI = 1.18 - 1.23 kg, n = 266) and 1.13 kg/fish (95% CI = 1.09 - 1.19 kg, n = 362), respectively. The estimated yield of lake

trout was 0.96 kg/ha (95% CI = 0.75 – 1.26) during the angling season. Estimates using five mortality scenarios (low, moderate, high, very high, and decompression), suggest that an additional mortality of 60 to 905 fish (estimated yield of 0.03 to 0.29 kg/ha) could result from incidental mortality.

Approximately 3,002 lake trout (95% CI = 2,441 – 4,024) were released by anglers from Lake Minnewanka during the 2005 fishing season. Of this total, anglers from the boat launch (i.e., access point) released 52% (1,551 fish), anglers based at the dam <1% (9 fish), and guided anglers 48% (1,443 fish). Lake trout released by guided anglers had a mean weight of 1.05 kg/fish (95% CI = 0.97 - 1.14 kg, n = 563). The estimate for total yield for released lake trout was 1.42 kg/ha (95% CI = 1.13 – 1.92) over the angling season.

Key words: Lake trout, Lake Minnewanka, creel survey, guided angler, angling pressure, fishing effort, size composition, sport fishery.

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1.0 INTRODUCTION

1.1 General introduction

Lake trout (*Salvelinus namaycush*) is a species of fish that is native to North America and is adapted to deep, cold oligotrophic lakes (Shuter et al. 1998). It is a long-lived species that grows to large sizes (Shuter et al. 1998). These attributes make lake trout a prized sportfish throughout its range (Nelson and Paetz 1992, Scott and Crossman 1998). However, lake trout is also characterized by having slow growth rates, late maturity and relatively low reproductive rates making them vulnerable to overexploitation from angling (Shuter et al. 1998, Post et al. 2002), especially in areas close to large urban centers (Pacas and Hunt 2004).

Lake trout is native to a few lakes within the Banff National Park (BNP), including Lake Minnewanka (Nelson and Paetz 1992). To protect these populations from potential overexploitation, BNP has implemented fishing regulations that allow for the possession of two lake trout of any size per day (Parks Canada 2005). Since 1994, use of natural baits and lead weight <50 grams (as of 1996) were prohibited within the BNP (Pacas and Hunt 2004).

1.2 Study rationale

A planning meeting was held 26-27 January 2005 to discuss the development and quantitative techniques for use in the collection and analysis of lake trout population and sport fishery information (e.g., sport fishery characteristics, population structure and abundance) from Lake Minnewanka (Dormer and Paul 2005). The workshop included representatives from Parks Canada, commercial guiding associations, recreational anglers, naturalists, environmental consultants, Alberta Sustainable Resource Development, Environment Canada, and invited scientists.

The meeting resulted in the consensus that Lake Minnewanka should, at present, be managed with the objective of maintaining the status quo (i.e. 2 fish bag limit with current recreational and commercial angling effort). Although maintaining the status quo was considered a high risk management strategy, insufficient information was available to justify changes in current angling regulations (Dormer and Paul 2005). To

generate the necessary information, an intensive monitoring program was proposed. This included creel studies, independent test netting, and hydroacoustic surveys. Recommendations and concerns regarding these components were outlined in Dormer and Paul (2005).

Based on recommendations of the January 2005 workshop, the objective of the creel survey was to generate quantitative data on angling pressure, harvest, and size distribution of the catch on Lake Minnewanka that will allow for the formulation of rigorous management guideline for lake trout. The primary recommendations described in Dormer and Paul (2005) for the present creel survey were to:

- 1) Stratify the study to include all parts of the angling period (i.e. weekends, weekdays and all times during the day).
- 2) Survey all angling groups including recreational anglers using the boat launch access point, recreational anglers on the dam and shoreline, as well as guided anglers in order to independently assess the contribution of these different angler groups that may have been underrepresented in past surveys.
- 3) Employ two creel clerks to minimize wait times and the incidence of missed anglers.
- 4) Reduce information collected by creel clerks and angling guides to encourage angler cooperation.

2.0 STUDY AREA

Lake Minnewanka is located in the front range of the Canadian Rocky Mountains near the town of Banff in BNP (Figure 1). Lake Minnewanka is a 2,216 ha reservoir when full, with an average elevation of 1,475 m (Pacas and Hunt 2004). The lake is 17 km long, approximately 1 km wide (Anderson et al. 1996), and is fed by springs, the Cascade River and by a controlled diversion from the north fork of the Ghost River (Pacas and Hunt 2004). Water is primarily discharged from the lake through a dam on Two Jack Lake and the Cascade Generating Station into the Cascade River, with secondary release through the Minnewanka dam (Pacas and Hunt 2004).



Figure 1. Map of Lake Minnewanka, showing the 2005 creel survey site. Inset is map of the province of Alberta.

2.1 Human impacts

Lake Minnewanka has been a site for human activity for centuries, and its name means “Lake of the Spirits” in the language of the Stoney People (Pacas and Hunt 2004, Parks Canada, 2004). Settlement along the original shoreline of the lake began in the 1800’s and resulted in the establishment of Minnewanka Landing (Pacas and Hunt 2004, Parks Canada, 2004). Construction of dams on this lake began in the late 1800’s. The current dam was constructed in 1941 under the War Measures Act (Parks Canada 2004). This flooded Minnewanka Landing and produced present day lake levels.

Current hydroelectric activity on the lake results in 6-m fluctuations in the water levels within a season, which significantly alters the littoral zone and fish spawning habitat (Pacas and Hunt 2004). In addition, Lake Minnewanka was stocked with over 17 million eggs and fry from numerous fish species, including lake trout, from 1901 to 1972 (Pacas and Hunt 2004).

Other activities associated with Lake Minnewanka are primarily related to recreation and tourism including: angling (recreational and commercially guided), boating (motorized and non-motorized), camping, cycling, day and overnight hiking, horseback riding, photography, and recreational scuba diving and scuba courses (Pacas and Hunt 2004). Angling gear and licences, boat gas and diesel, boat rentals and guided angling services in addition to commercial services may be obtained from a vendor at the boat launch area (Pacas and Hunt 2004).

3.0 MATERIALS AND METHODS

3.1 Survey design

From 21 May to 5 September 2005, a creel survey was conducted on Lake Minnewanka, a period that encompasses the entire 108 day fishing season. This survey was comprised of three different components: 1) an access point survey at the Lake Minnewanka boat launch, 2) an instantaneous count survey of the dam causeway and shoreline, and 3) a guided angler survey. The access point survey (Pollock et al. 1994)

was conducted from a creel booth at the only boat launching point located at the northwest corner of the lake near the dam causeway (Figure 1).

3.2 Boat launch creel survey

3.2.1 *Angler interviews*

Upon returning to the survey access site from completed angling trips, all anglers, individuals and angling parties, were asked a series of questions regarding the number of hours fished, number of each species kept and released, angling method, targeted species, use of electronics, use of barbless hooks and angler residence. These data were recorded on a creel survey data form by two creel clerks (Appendix 1). Creel clerks made subjective evaluations of each angler's skill level. Children and anglers that lacked equipment and knowledge regarding fishing were classified as novice. Anglers that demonstrated clear superiority in equipment and knowledge were classified as professionals. All other anglers were considered to have an average skill level.

3.2.2 *Temporal extent of sampling*

The boat launch survey was stratified into weekdays (Monday-Thursday) and weekend days (Friday-Sunday and statutory holidays), and into morning and afternoon periods. Creel clerks worked 8-hour shifts either in the morning (07:00 to 15:00) or the afternoon (15:00 to 23:00). Survey dates and summary information are listed in Appendix 2. A schedule of 10 survey days (Friday through to the second Sunday of each shift) was interspersed with a 4-day period where angler surveys were not conducted (i.e., days of rest). This schedule was repeated eight times throughout the summer, with the exception of the beginning and end of the study when 9 and 11 consecutive days, respectively were surveyed.

3.3 Instantaneous count survey

An instantaneous count survey was carried out along the dam causeway and associated shoreline (Figure 1). An instantaneous count of anglers visible on the dam was obtained each hour for each creel shift. The angler count was done using binoculars, and only incorporated areas that were visible from the boat launch access point. These data were recorded on an instantaneous count dam survey data form (Appendix 3) and the data is presented in Appendix 4. To count anglers missed by the instantaneous count, clerks traveled along the causeway to areas that were hidden from view from the boat launch. This was done two or three times a day (morning shift at 10:00 and 15:00; evening shift at 15:00, 19:00, and 20:00). Creel clerks also interviewed anglers on the dam at this time, obtaining information similar to that collected in the access site survey.

3.4 Guided angler survey

Guides collected creel information from their guided angling trips. These data were recorded on a guide survey data form (Appendix 5) and the data is presented in Appendix 6. The data collected by the guiding companies was intended to be a census of guiding activity. As both guiding companies participated in the survey monthly summary information on angler trips including number of anglers for each trip and trip length was also obtained from guiding companies.

3.5 Biological fish data

Creel clerks, when time permitted, collected biological data from fish that were harvested by anglers. Data collected included fork length (FL, ± 1 mm) and total weight (± 0.001 kg). Otoliths, sex and state of maturity, and stomach content information were also collected where possible. In addition, selected guides collected length data from fish captured (both harvested and released) by their anglers. We used the weight (WT)-length relationship, $WT = 1.5 \times 10^{-05} \times FL^{2.95}$ ($R^2 = 0.91$, $n = 266$; Appendix 7), established using data from the boat launch creel station to estimate weight of fish both harvested and released by guided anglers (i.e., guides measured fish length only). These estimated values were then used to estimate yield.

3.6 Data management and analysis

Creel clerks recorded field data on data forms in pencil. These data were transcribed into Microsoft® Excel files by a commercial keypunch service using double-entry verification procedure. Double-entry verification consists of electronically comparing two independent sets of the data and investigating discrepancies within each data set. The conflicts are investigated manually. Prior to analysis, frequency distributions of each creel survey parameter were calculated and the original data sheets and creel daily journals used to investigate and verify outliers. Scatter plots of weight-length were also generated to identify outlying data points. Outliers were investigated and omitted if measurement or recording error was suspected.

Estimates of angling effort (i.e., angler-hours/ha, h/ha), catch (i.e., number of fish #) and yield (i.e., kg/ha) of lake trout were expressed as mean values from bootstrap replicates, using the non-parametric bootstrap approach (Haddon 2001). This bootstrap technique was also used to quantify the uncertainty around these estimates. Bootstrapping is a statistical procedure commonly used to randomly re-sample a data sample from a population to obtain a new mean. Bootstrap samples are assumed to approximate the distribution of values that would have arisen from repeatedly sampling the original population (Haddon 2001). Repeating the bootstrap thousands of times produces a distribution of possible means describing the likelihood of the true (population) mean being within that distribution (i.e., maximum likelihood estimate, MLE). The analyses for this study used 10,000 bootstraps and were done using Microsoft® Excel 2002. The distribution of bootstrapped means quantifies the uncertainty around the sample mean (Sullivan 2004). The final proportions (i.e., probability densities) were standardized to range between 0 and 1 (Paul et al. 2003). Empirical confidence intervals (95% CI) were calculated from the bootstrap data following Haddon (2001).

Catch estimates for lake trout included number harvested, number released, an estimate of incidental lake trout mortality at three levels of incidental mortality (2%, 5% and 10%), and an estimate of total mortality that includes both harvest and incidental mortality. Published estimates for hooking (incidental) mortality of lake trout range from near zero to approximately 15% for typical sportfishing methods (Loftus et al. 1988; Muoneke and Childress 1994; Persons and Hirsch 1994; Lee and Bergersen 1996).

Incidental mortality in these studies encompasses mortality caused by typical angling practices and includes hook injuries, handling damage, decompression injuries, and other factors that influence post-release mortality. It is unknown to what degree this additional mortality occurs in Lake Minnewanka, therefore, several reasonable scenarios of incidental mortality were simulated: low (2%), medium (5%), high (10%) and very high (15%). An additional scenario of 30% mortality was also modeled to simulate severe decompression mortality during angling in very deep water. Because guided anglers were considered to be more experienced in fish handling, we assigned them a lower level of incidental mortality, in most scenarios, than unguided anglers. The specific scenarios employed in the simulation were:

1. Low mortality – recreational and guided anglers each imposed 2% incidental mortality.
2. Moderate mortality - recreational anglers imposed 5% incidental mortality and guided anglers 2%.
3. High mortality - recreational anglers imposed 10% incidental mortality and guided anglers 5%.
4. Very high mortality - both types of anglers imposed 15% incidental mortality each.
5. Severe decompression scenario with 30% incidental mortality.

Both number of fish and yield (kg/ha) were determined for catch estimates. Total estimates that combine all three angling groups (boat launch anglers, damn anglers and the guided anglers) were obtained from randomized recombinations of the bootstrap estimates (i.e. 10,000 sums), which then provided a probability distribution for the total estimate.

3.6.1 Boat launch creel survey

Each parameter that was obtained from the boat launch creel survey data (e.g., angling effort, number of fish caught, yield) was extrapolated to include temporal strata that were not surveyed. Each parameter and estimate is presented as a likelihood profile, using the bootstrapping simulation procedure described above and combined by multiplying the likelihood profiles. A flow chart describing the steps for calculating boat launch creel survey estimates is presented in Figure 2. Information collected by

creel clerks on the weight of fish harvested was used to calculate harvest yield. For released fish yield and incidental yield (i.e., incidental mortality), it was assumed that the size of fish released by anglers interviewed at the boat launch was the same as those released by the guided anglers. Therefore, the length distribution of fish released by guided anglers was converted to weight using the length-weight relationship obtained from the data collected by creel clerks. This information was then incorporated into the bootstrap analysis to obtain yield from incidental mortality.

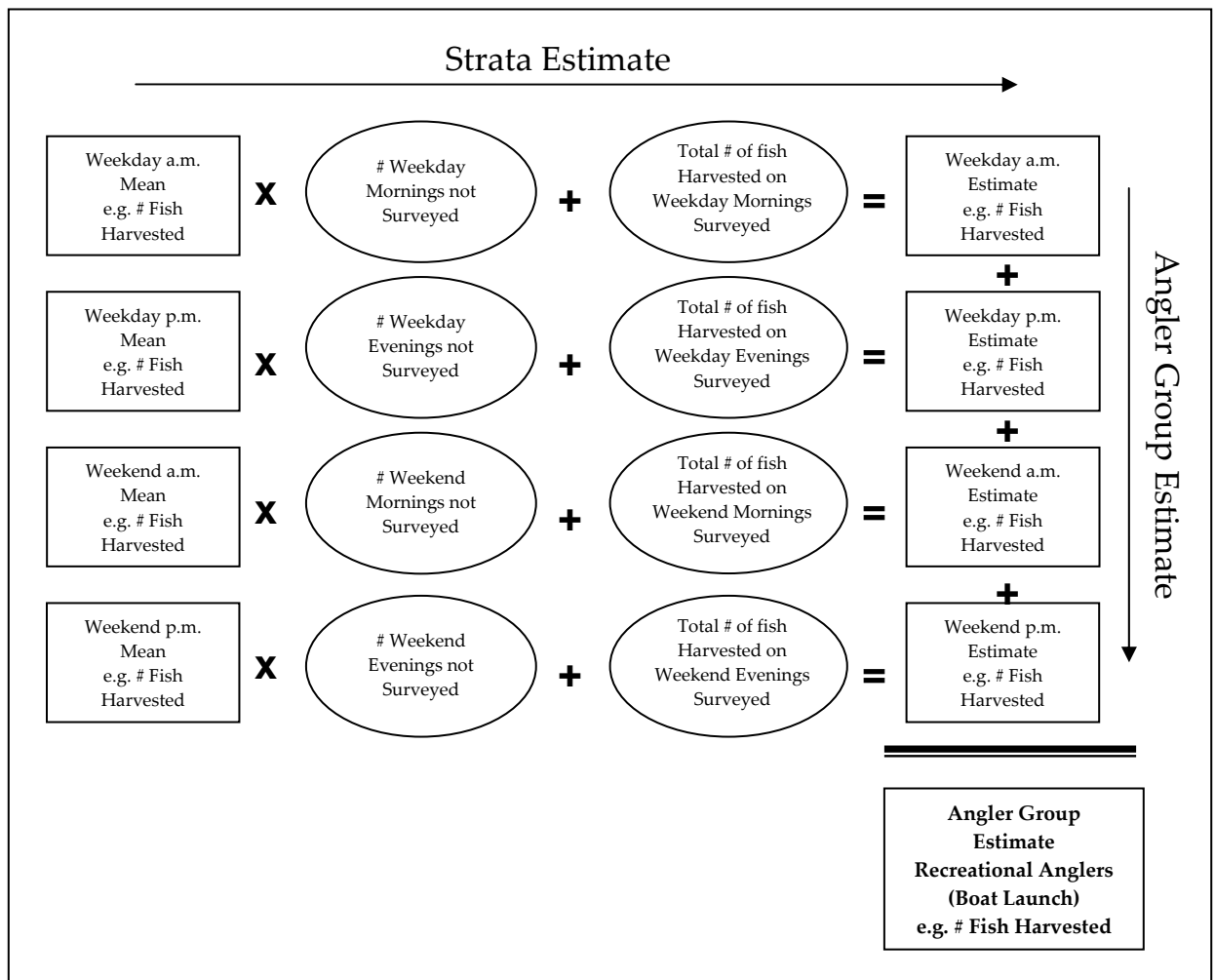


Figure 2. A flow chart outlining the process used for estimating parameters for the boat launch creel survey and the extrapolation to an estimate for this recreational angling group on Lake Minnewanka in 2005. Circles represent values with no variance (i.e., known values or observed data) and rectangles represent data with variation (i.e., likelihood profiles).

3.6.2 Instantaneous count survey

The steps of analysis of the instantaneous count survey are shown in Figure 3. Temporal strata of one hour were used in the estimates for angler effort on the dam. Differences due to time of day or period during the week could not be distinguished because of the large number of zero counts (i.e., no anglers observed) therefore, these additional strata were not incorporated into the analysis. Estimates of angler effort on the dam were corrected for hidden anglers by the ratio-of-use estimate (i.e., visible anglers / total anglers on dam). To estimate catch, it was assumed that dam anglers had similar catch rates to those achieved by recreational anglers surveyed at the boat launch. Yield was calculated using the same method as for the boat launch creel. The average trip length from interviews with anglers on the dam was used to estimate the number of recreational anglers using the dam.

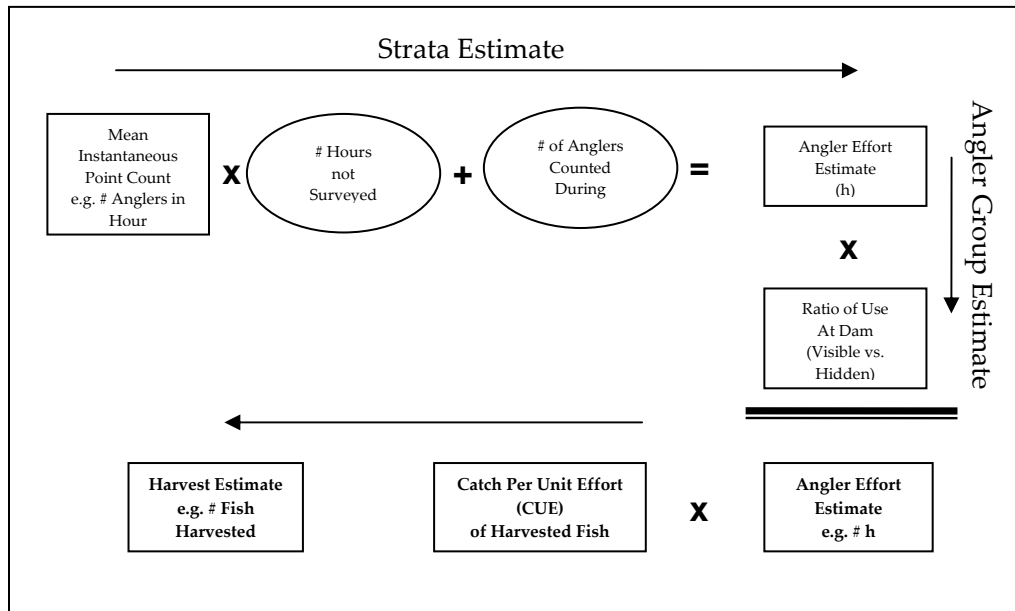


Figure 3. A flow chart outlining the process used for estimating parameters for the instantaneous point count survey done along the dam and shoreline on Lake Minnewanka in 2005, and the extrapolation to an estimate for this angling group. Circles represent values with no variance (i.e., known values or observed data) and rectangles represent data with variation (i.e., likelihood profiles).

3.6.3 *Guided angler survey*

Information from guided anglers was designed to be a census and therefore no variance is associated with these data. The census of fisheries use from the guided anglers must therefore be considered as an approximate estimate (with bias, but without variance). Additionally, since not all fish harvested by guided anglers were measured, yield estimates incorporate the variation associated with the sub-sampling of fish (harvested and released). Lengths were converted to weights using the length-weight relationship obtained from the fish measured by the creel clerks. These weights were then incorporated into a bootstrap analysis. Compliance with reporting angler effort and harvest by guides from the two commercial companies was poor (Sullivan 2006). Not only did guides not report all trips but also, there were large discrepancies between the efforts reported. For example, the efforts reported in the monthly summaries by the companies were larger than those reported in daily interviews by guides. Further, whereas information collected by guides included catch rates, the monthly summaries provided by companies did not. For these reasons, we used the monthly summaries provided by companies and catch rate from guides in our calculations. The monthly summary information provided by the guiding companies and trip surveys are available in Appendices 6 and 8.

3.6.4 *Total survey estimates*

Distributions of bootstrapped mean estimates from each angler group were randomly recombined and summed to obtain distributions of estimates of total angler effort and catch (Figure 4).

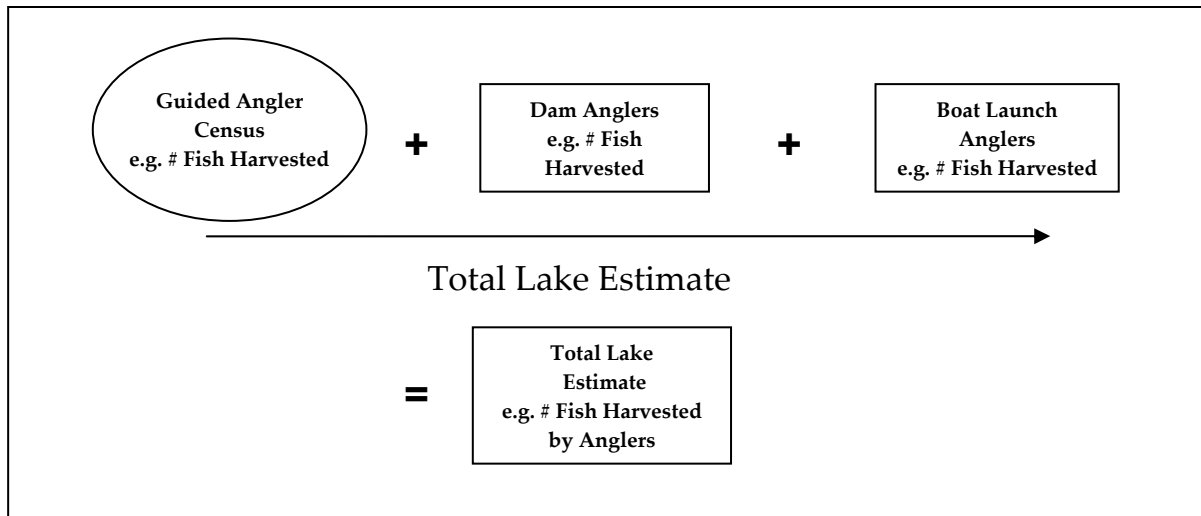


Figure 4. A flow chart outlining the process used for estimating parameters for total effort and catch on Lake Minnewanka in 2005, extrapolated from estimates for each recreational angling group. Circles represent values with no variance (i.e., known values or observed data) and rectangles represent data with variation (i.e., likelihood profiles).

4.0 RESULTS

4.1 Survey effort

The creel booth for the boat launch survey operated on 80 days during the fishing season (i.e., 74% of days during the angling season were surveyed) (Table 1). All weekends and holidays were surveyed (50 days), and 52% (30 of 58 days) of weekdays were sampled. In total, 28% of the weekday mornings, 24% of the weekday afternoons, 46% of the weekend mornings, and 54% of the weekend afternoons were surveyed. The instantaneous count survey of the dam was conducted during 717 hourly strata (out of a possible 1,836 counts).

The activity of recreational anglers surveyed at the creel booth varied in relation to period of the week and time of day of the survey (Table 1). The majority of anglers surveyed were present during weekend-evening survey periods (61%). Angler presence on weekend-morning, weekday-morning and weekday-evening survey

periods was 19%, 5% and 15% respectively. There was no significant difference in angler effort between weekend days and holidays ($t = 0.99$, $df = 48$, $P = 0.33$), therefore, these two strata were combined and are termed weekend days.

Table 1. Summary of the boat launch survey during each temporal stratum conducted at Lake Minnewanka in 2005. Survey day (i.e., weekday / weekend day), survey shift (i.e., 07:00-15:00 / 15:00-23:00), sum and mean values for the data collected are presented. The number of missed survey periods includes periods not surveyed on scheduled surveyed days (e.g., evening periods when morning periods were surveyed) and days on which no survey was scheduled.

Day strata	Shift strata	Number of Surveys/ strata	Number of un-surveyed periods	Angler Hours		Lake Trout Kept		Lake Trout Released	
				Sum	Mean	Sum	Mean	Sum	Mean
Weekdays	07:00-15:00	16	14 + 28	185.5	11.6	32	2.0	24	1.5
	15:00-23:00	14	16 + 28	689.25	49.2	59	4.2	112	8.0
Weekend day	07:00-15:00	23	27 + 0	862.25	37.5	108	4.7	148	6.4
	15:00-23:00	27	23 + 0	3574.25	132.4	267	9.9	366	13.6

4.2 Angler effort

Lake Minnewanka experienced an estimated total of 17,044 hours of angling pressure from a total of 4,466 anglers (Table 2). Recreational anglers that accessed Lake Minnewanka from the boat launch area were responsible for the majority of this angling effort (71%). The remaining 29% of anglers on Lake Minnewanka came from commercially guided angling trips. An insignificant proportion of the total angler effort (0.4%) came from anglers fishing along the shore and dam face. Estimated total angling effort on Lake Minnewanka in 2005 was 7.69 angler-h/ha (95% CI = 6.27 – 10.21; Figure 5) during the 108-day angling season.

Table 2. Summary of observed angler presence and estimates of total angler presence on Lake Minnewanka in 2005.

Number of Anglers	Observed	Total Estimate
Boat Launch Creel	1,318	3,093
Instantaneous Point Count (Dam)	19	47
Guided Anglers (From Trip Surveys)	868	868
Guided Anglers (From Monthly Summary Info)	1,326	1,326
Total		4,466
Number of Angler Hours		
Creel (Boat Launch)	5,311	12,021
Instantaneous Point Count (Dam)	29	70
Guided Anglers (From Trip Surveys)	3,338	3,338
Guided Anglers (From Monthly Summary Info)	4,952	4,952
Total		17,044

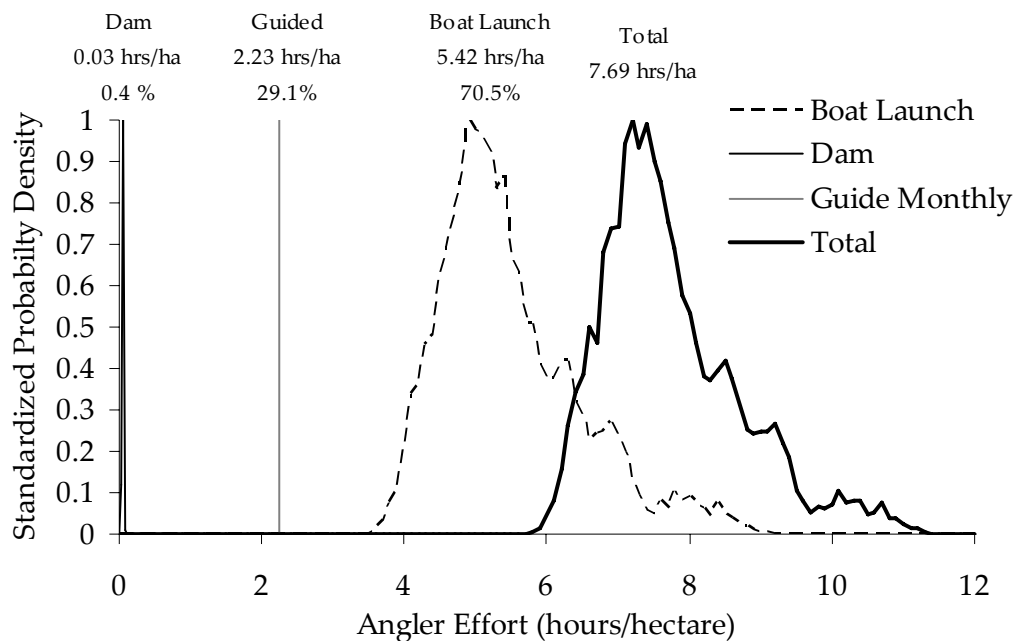


Figure 5. Standardized probability density function of angler effort at Lake Minnewanka in 2005. Estimates are the means of the bootstrap estimates.

4.3 Lake trout catch and yield

4.3.1 Catch and harvested rate

Overall, boat launch anglers harvested and released 466 and 650 lake trout, respectively over 5311 hours of fishing, resulting in associated observed catch rates of 0.088 fish/h for harvested fish and 0.122 fish/h for released fish. Guided anglers, fishing for a total of 3338 hours (trip survey data), harvested 479 fish and released 973, resulting in observed catch rates of 0.143 fish/h and 0.291 fish/h for harvested and released trout, respectively. Observed harvest and release rates by dam site anglers was negligible.

Anglers harvested 1,806 (95% CI = 1,448 – 2,316) lake trout (Figure 6) from Lake Minnewanka during the 2005 fishing season. Boat launch anglers harvested an estimated 60.3% (1,089 fish, 95% CI = 731 – 1,598) of these fish (Figure 6) while dam anglers harvested <1.0% (6 fish, 95% CI = 4 – 9; Figure 6), based on the harvested fish by boat launch anglers. Based on data reported in the guided trip survey, guided anglers harvested an estimated 711 fish (39.4%) (Figure 6).

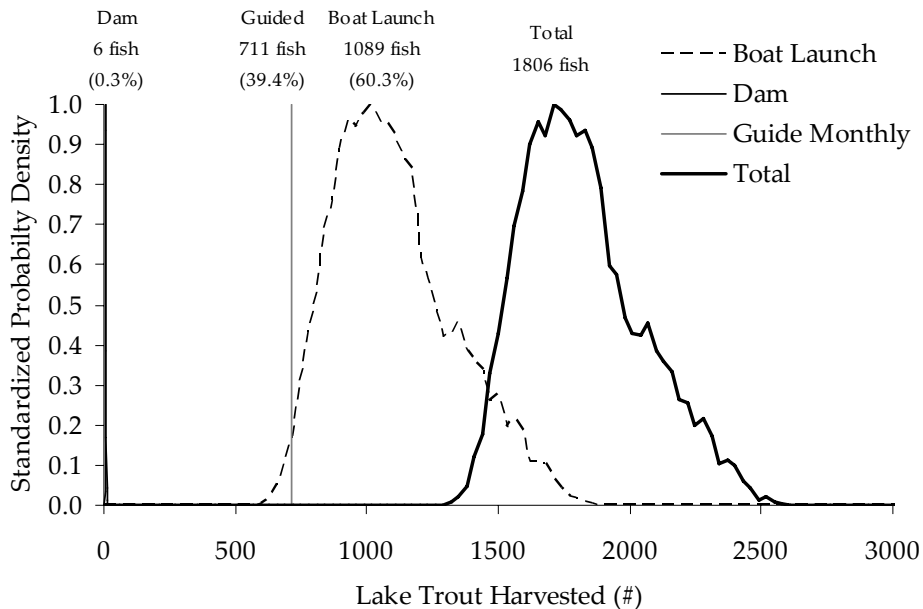


Figure 6. Standardized probability density function of the number of lake trout harvested from Lake Minnewanka in 2005. Estimates are the means of the bootstrap estimates.

Lake trout harvested by boat launch anglers had an estimated mean weight of 1.208 kg/fish (95% CI = 1.183 - 1.229 kg, n = 266, Appendix 9). Lake trout harvested by guided anglers had a mean weight of 1.134 kg/fish (95% CI = 1.087 - 1.189 kg, n = 362, Appendix 10). The estimate of harvested yield was 0.961 kg/ha (95% CI = 0.753 – 1.262; Figure 7). Boat launch anglers harvested 0.594 kg/ha (MLE, 95% CI = 0.387 – 0.894) of lake trout while dam anglers harvested 0.003 kg/ha (MLE, 95% 0.002 – 0.005) (Figure 7). Guided anglers harvested 0.364 kg/ha (MLE, 95% CI = 0.348 – 0.381; Figure 7).

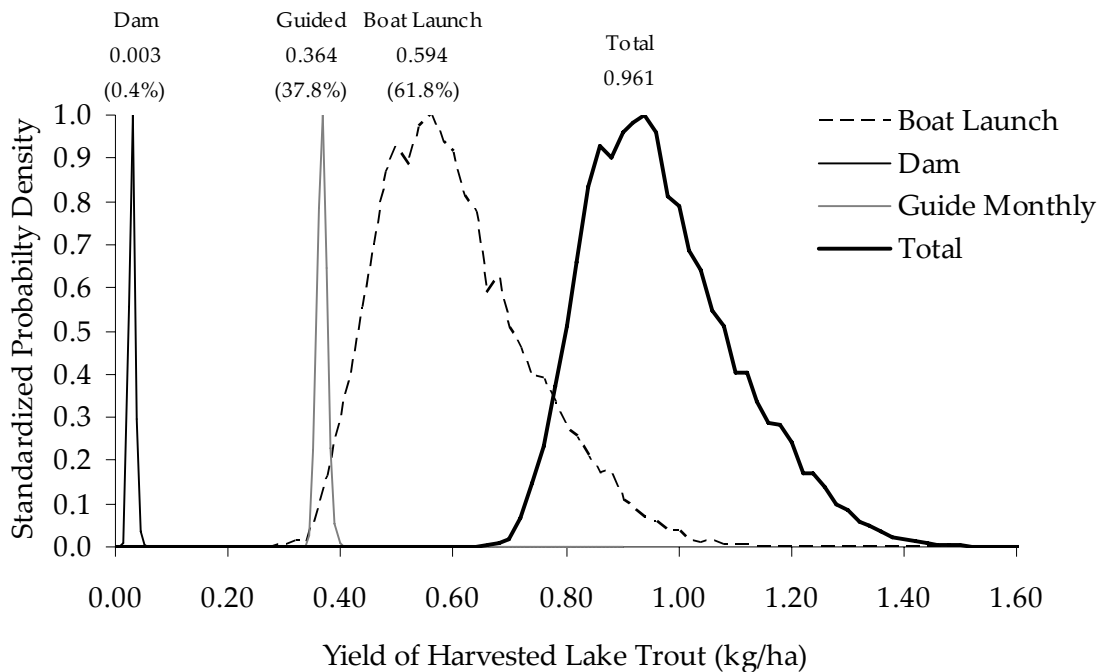


Figure 7. Standardized probability density function of the yield of lake trout harvested from Lake Minnewanka in 2005. Estimates are the means of the bootstrap estimates.

4.3.2 Released lake trout

Anglers released an estimated total of 3,002 lake trout (95% CI = 2,441 – 4,024; Figure 8) from Lake Minnewanka during the 2005 fishing season. Boat launch anglers released 51.6% of these fish (MLE 1,551 fish, 95% CI = 988 – 2,573; Figure 8). Dam anglers released <1.0% of these fish (MLE 9 fish, 95% CI = 6 - 12; Figure 8), based on the catch

rate of released fish by boat launch anglers. Guided anglers released 1,456 fish (48.1%), based on the angler effort reported in the monthly surveys and the release catch rate reported in the guide interviews (Figure 8).

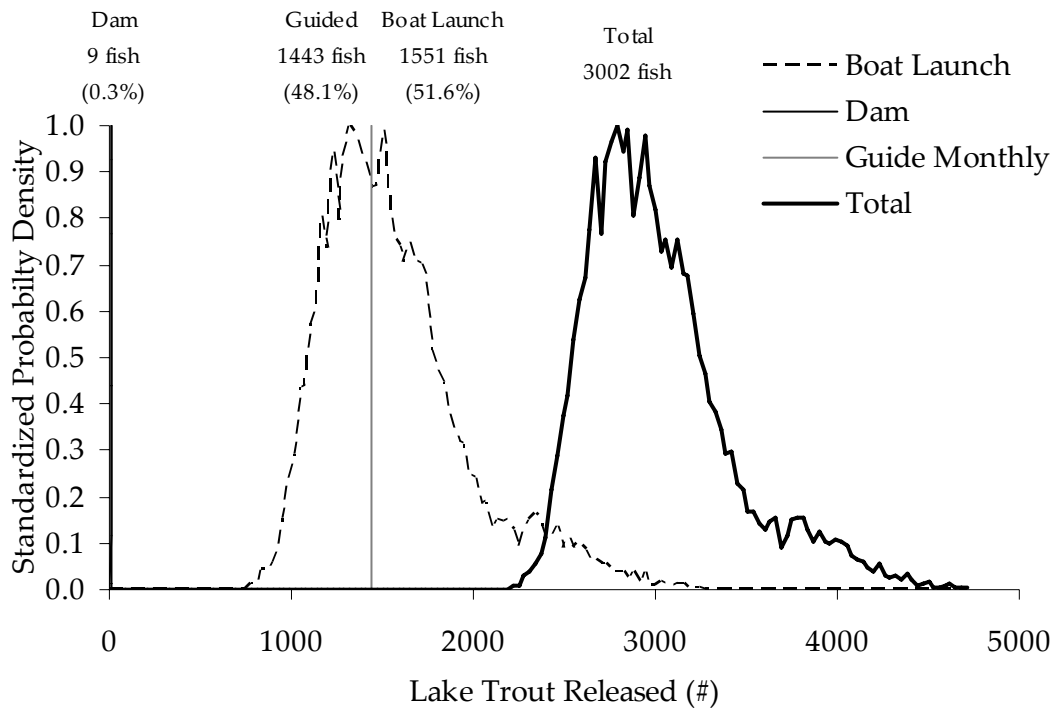


Figure 8. Standardized probability density function of the number of lake trout released in Lake Minnewanka in 2005. Estimates are the means of the bootstrap estimates.

Lake trout released by guided anglers had a mean weight of 1.045 kg/fish (95% CI = 0.973 - 1.136, n = 563, Appendix 10). The estimate for total released yield was 1.416 kg/ha (95% CI = 1.131 - 1.922; Figure 9). Boat launch anglers released 0.761 kg/ha (95% CI = 0.462 - 1.220; Figure 9) based on the mean released weight of lake trout captured by guided anglers. Similarly, dam anglers released 0.004 kg/ha (95% CI = 0.003 - 0.006; Figure 9) while guided anglers released 0.681 kg/ha (95% CI = 0.634 - 0.740; Figure 9).

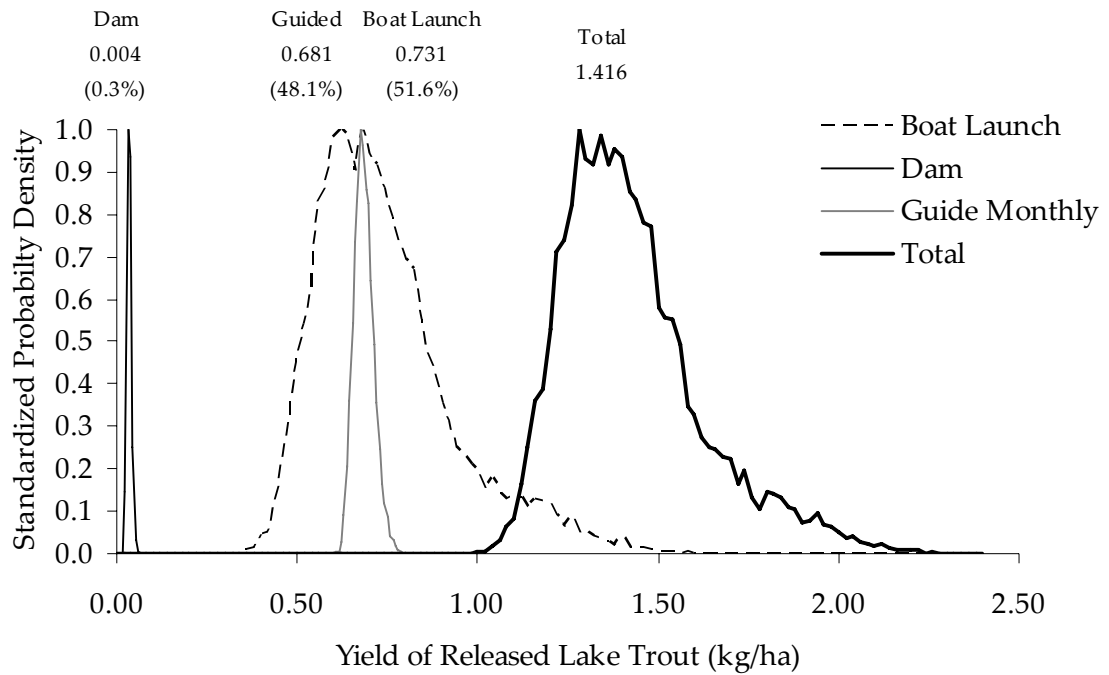


Figure 9. Standardized probability density function of the yield of lake trout released in Lake Minnewanka in 2005. Estimates are the means of the bootstrap estimates.

4.3.3 Incidental and total mortality of lake trout

Results of our simulations of the five scenarios of incidental mortality (low, moderate, high, very high, and decompression), suggest that an additional mortality of 60 and 107 fish may result from low and moderate incidental mortalities, respectively (Table 3; Figures 10 and 11). The high and very high scenarios will each contribute additional mortalities of 228 and 452 fish, respectively while the decompression scenario will result in an additional mortality of 905 fish. The resultant percentage increase in mortality range from 3 to 33% (Table 3). Associated changes in yield ranged from 0.03 to 0.29 kg/ha resulting in percentage increases in yield of 3% to 32% (Table 4).

Table 3. Summary of bootstrap estimates (Est) and associated 95% confidence intervals (95% CI) for the number of lake trout likely to die from five potential scenarios of incidental mortality, 1) low, 2) moderate, 3) high, 4) very high, and 5) decompression, and the resulting total mortality on Lake Minnewanka in 2005. The low incidental mortality scenario was modeled at 2% each for recreational anglers and guided anglers; the moderate scenario at 5% recreational, 2% guided; the high scenario at 10% recreational anglers, 5% guided; the very high scenario at 15% for all users; and the decompression scenario at 30% for all users. Total mortality is the sum of both estimated incidental and harvest mortalities. Numbers in brackets represent percentage of total mortality contributed by the incidental mortality.

Mortality Scenario	Incidental Mortality (# of fish)		Total Mortality (# of fish)	
	Est	95% CI	Est	95% CI
Low Incidental				
Access Point Creel (Boat Launch) 2%	31	20-51	1,121	761-1629)
Instantaneous Point Count (Dam) 2%	0	0-0	6	4-9)
Guided Anglers 2%	29	N/A	739	N/A
Total	60 (3%)	49-81	1,866	1507-2374)
Moderate Incidental				
Access Point Creel (Boat Launch) 5%	78	49-129	1,167	804-1679
Instantaneous Point Count (Dam) 5%	0	0-1	7	5-9
Guided Anglers 2%	29	N/A	739	N/A
Total	107 (6%)	79-158	1,913	1549-2426
High Incidental				
Access Point Creel (Boat Launch) 10%	155	99-257	1,245	871-1761
Instantaneous Point Count (Dam) 10%	1	1-1	7	5-10
Guided Anglers 5%	72	N/A	783	N/A
Total	228 (11%)	172-330	2,034	1660-2551
Very High Incidental				
Access Point Creel (Boat Launch) 15%	233	148-386	1,322	964-1831
Instantaneous Point Count (Dam) 15%	1	1-2	7	5-11
Guided Anglers 15%	218	N/A	929	N/A
Total	452 (20%)	367-606	2,258	1898-2771
Decompression Incidental				
Access Point Creel (Boat Launch) 30%	465	296-772	1,554	1196-2063
Instantaneous Point Count (Dam) 30%	3	2-4	9	7-12
Guided Anglers 30%	437	N/A	1,148	N/A
Total	905 (33%)	735-1213	2,711	2351-3223

Table 4. Summary of estimated (Est) yield and associated 95% confidence interval (95% CI) of lake trout likely to die from five potential scenarios of incidental mortality, 1) low, 2) moderate, 3) high, 4) very high, and 5) decompression, and the resulting total mortality on Lake Minnewanka in 2005. The low incidental mortality scenario was modeled at 2% each for recreational anglers and guided anglers; the moderate scenario at 5% recreational, 2% guided; the high scenario at 10% recreational anglers, 5% guided; the very high scenario at 15% for all users; and the decompression scenario at 30% for all users. Total mortality is the sum of both estimated incidental and harvest mortalities. Numbers in brackets represent percentage of total yield contributed by the incidental mortality.

Incidental Mortality Scenario	Incidental Mortality (kg/ha)		Total Mortality (kg/ha)	
	Est	95%CI	Est	95%CI
Low				
Boat Launch Creel 2%	0.015	0.009-0.024	0.609	0.401-0.909
Instantaneous Point Count (Dam) 2%	0.000	0.000-0.000	0.003	0.002-0.005
Guided Anglers (Monthly Summary Info) 2%	0.014	0.013-0.015	0.349	0.325-0.379
Total	0.028 (3%)	0.023-0.038	0.961	0.749-1.263
Moderate				
Boat Launch Creel 5%	0.037	0.023-0.061	0.631	0.421-0.932
Instantaneous Point Count (Dam) 5%	0.000	0.000-0.000	0.003	0.002-0.005
Guided Anglers (Monthly Summary Info) 2%	0.014	0.013-0.015	0.349	0.325-0.379
Total	0.050 (5%)	0.037-0.075	0.983	0.768-1.286
High				
Boat Launch Creel 10%	0.073	0.046-0.122	0.667	0.455-0.970
Instantaneous Point Count (Dam) 10%	0.000	0.000-0.001	0.004	0.003-0.005
Guided Anglers (Monthly Summary Info) 5%	0.034	0.032-0.037	0.369	0.344-0.401
Total	0.108 (10%)	0.080-0.157	1.040	0.823-1.346
Very High				
Boat Launch Creel 15%	0.111	0.069-0.183	0.705	0.498-1.005
Instantaneous Point Count (Dam) 15%	0.000	0.000-0.001	0.004	0.003-0.005
Guided Anglers (Monthly Summary Info) 15%	0.102	0.096-0.111	0.437	0.450-0.483
Total	0.213 (19%)	0.165-0.295	1.146	0.966-1.475
Decompression				
Boat Launch Creel 30%	0.222	0.135-0.360	0.816	0.609-1.116
Instantaneous Point Count (Dam) 30%	0.001	0.000-0.002	0.004	0.003-0.006
Guided Anglers (Monthly Summary Info) 30%	0.210	0.192-0.222	0.574	0.558-0.591
Total	0.432 (32%)	0.327-0.584	1.365	1.185-1.694

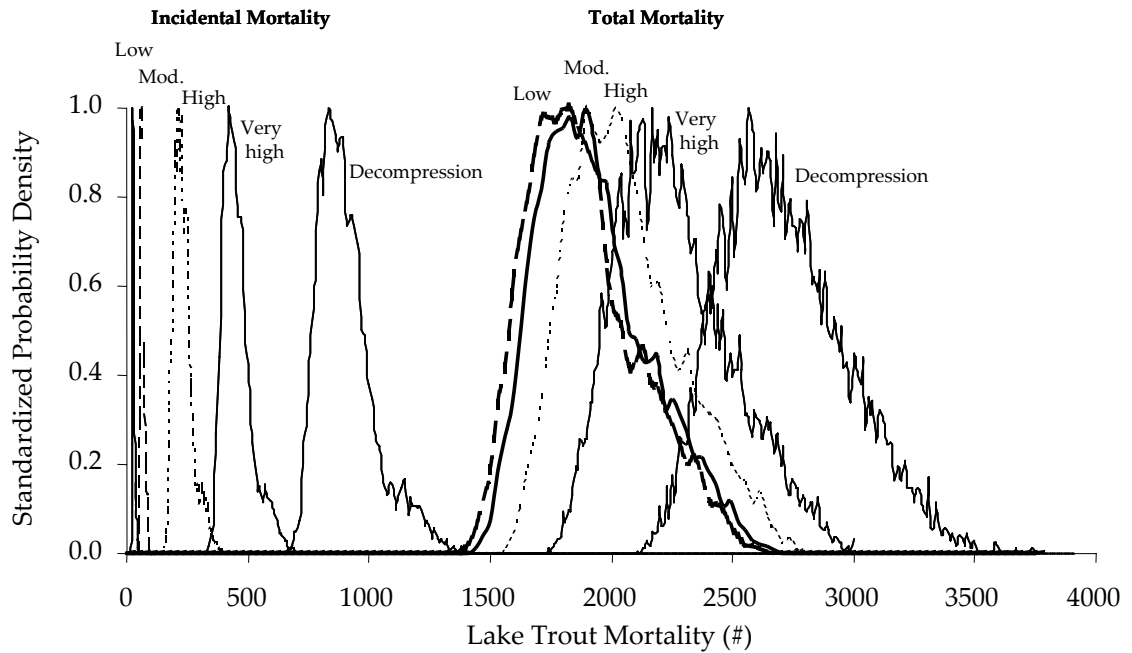


Figure 10. Standardized probability density function of the number of lake trout killed by incidental mortality and by total mortality (incidental + harvest) from Lake Minnewanka in 2005. Five scenarios for incidental mortality of released lake trout are presented; low (recreational anglers 2%, guided anglers 2%), moderate (recreational anglers 5%, guided anglers 2%), high (recreational anglers 10%, guided anglers 5%), very high (15% for all users) and decompression (30% for all users).

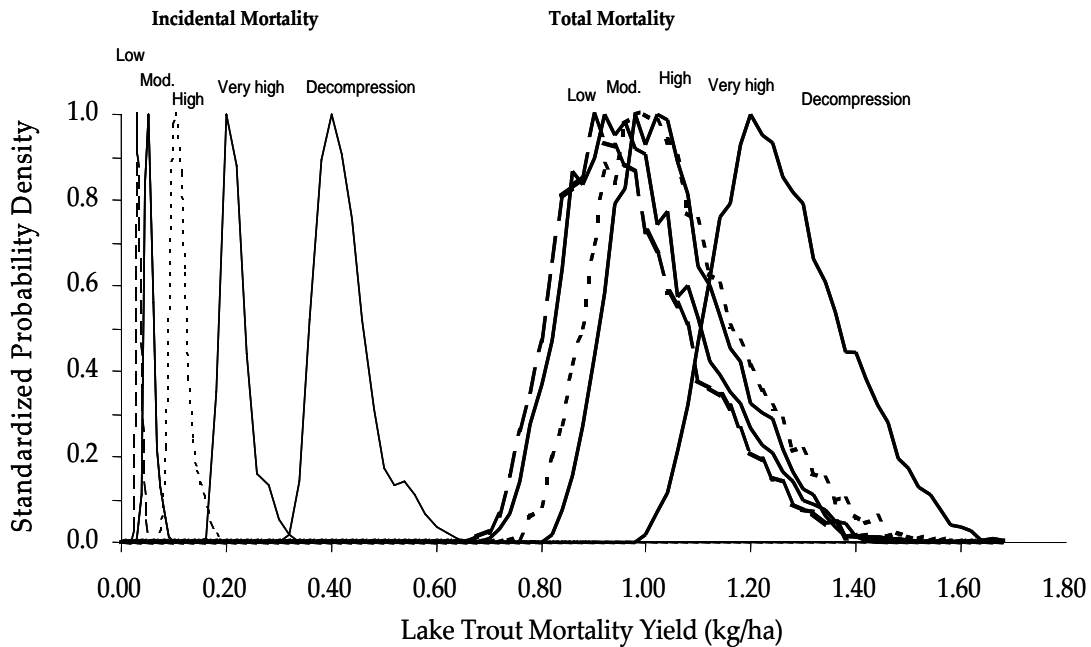


Figure 11. Standardized probability density function of the yield of lake trout killed by incidental mortality and by total mortality (incidental + harvest) from Lake Minnewanka in 2005. Three scenarios for incidental mortality of released lake trout are presented; low (recreational anglers 2%, guided anglers 2%), moderate (recreational anglers 5%, guided anglers 2%), high (recreational anglers 10%, guided anglers 5%), very high (15% for all users) and decompression (30% for all users).

4.4 Size of composition

Lake trout harvested by recreational anglers had a mean length (FL) of 463 mm (range = 335 - 958 mm, $n = 278$) while those harvested by guided anglers had a mean length of 459 mm (range = 300 - 890 mm, $n = 362$) (Figure 12 and 13). Lake trout released by guided anglers had a mean length of 438 mm (range = 248 to 1150 mm, $n = 563$) (Figure 13). The size of fish harvested by recreational anglers was not significantly different (t-test, $df = 511$, $P = 0.474$) from that harvested by guided anglers (Figure 12). The size of fish harvested by guided anglers was significantly larger than that of fish they released (t-test, $df = 910$, $P < 0.0001$) (Figure 13).

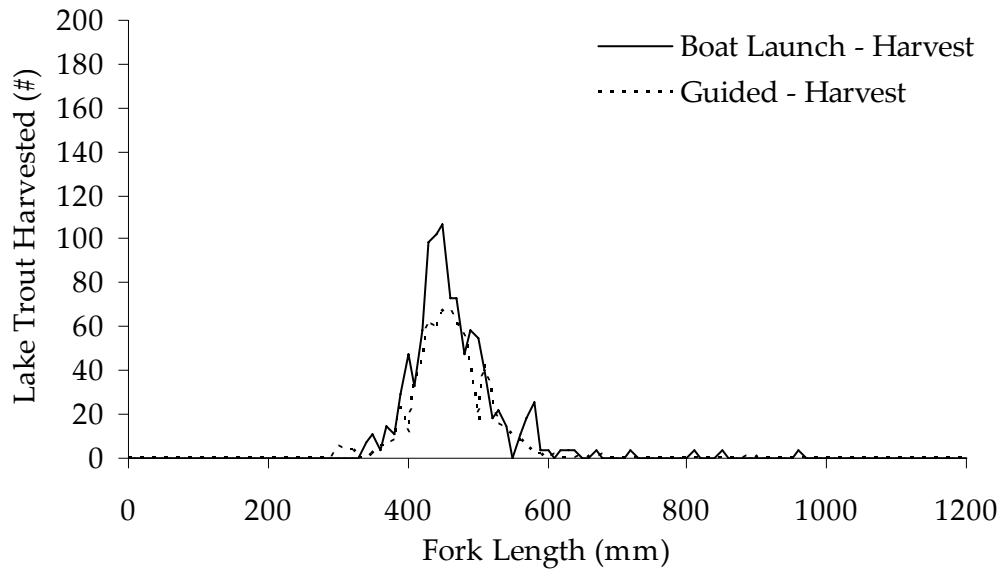


Figure 12. Length-frequency distribution of lake trout harvested by boat launch anglers and by guided anglers from Lake Minnewanka in 2005.

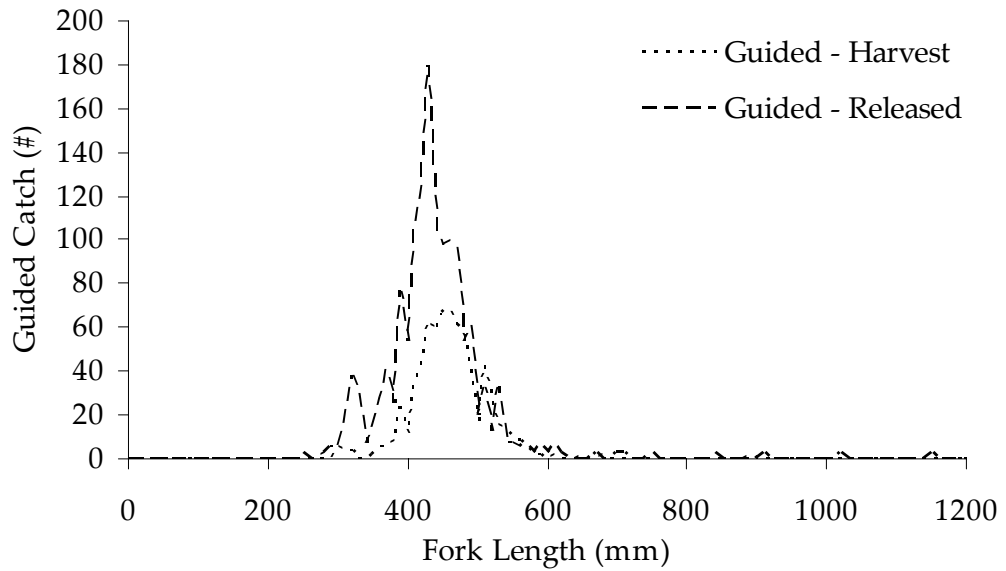


Figure 13 Length-frequency distribution of lake trout harvested and released by guided anglers from Lake Minnewanka in 2005.

4.5 Summary

This creel survey was partly successful at evaluating angling pressure, harvest of lake trout, and the size distribution of the catch on Lake Minnewanka in 2005 in a quantitative way. According to its design, this survey included information from all angling groups utilizing the lake during all parts of the angling period. Unfortunately, poor levels of reporting compliance from the commercial guiding companies resulted in considerable uncertainty in the estimates of guided angler effort and harvest from this major user group. Future surveys should be designed to ensure a higher degree of reporting compliance from this group. For the non-guided angler survey, the use of the bootstrap technique allowed for the easy analysis of this complex survey design. This technique provided a measure of uncertainty around parameter estimates that may be used in the future to identify areas that may require more or less sampling effort in addition to their applications to fisheries management.

Results from this survey suggest that angling effort from the dam and nearby shoreline contribute little to the overall angling effort and catch on the lake, therefore resources for future surveys should not be expended on surveying anglers on the dam. For more precise estimates, additional effort would be required at the boat launch in future surveys. This additional survey effort would improve the estimates of effort and harvest (i.e., minimizing the confidence intervals around the parameter estimate of interest). Results from our study also suggest that most scenarios of incidental mortality may not contribute substantially to total mortality. If incidental mortality, however, exceeds 15%, it may contribute significantly to the overall harvest of lake trout. In future surveys, estimates of incidental mortality (including field studies) should be made to determine if the rates of post-release mortality are likely above or below this 15% approximate level. Any estimates of mortality should be included in harvest and yield estimates to minimize underestimation of those parameters. However, the recommendation from the January workshop (Dormer and Paul 2005) to carry out a separate incidental mortality study may not be the most efficient use of resources. On the other hand, if regulations change and more fish are released, incidental mortality may then become a more important factor in lake trout mortality.

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Appendix 2. Daily summary data from the boat launch creel survey done from the boat launch (access point) on Lake Minnewanka in 2005. Day codes: 1 = Monday, 2 = Tuesday, 3 = Wednesday, 4 = Wednesday, 5 = Friday, 6 = Saturday, 7 = Sunday; Day Strata codes: WE = Weekend day or Holiday, WD = Weekday; Time Strata codes: am = morning survey, pm = afternoon survey; LKTR = Lake Trout.

Date	Day Code	Day Strata	Time Strata	Angler #	Angler Hours	LKTR Harvested (#)	LKTR Released (#)	Anglers Missed (#)
5/21/2005	6	WE	pm	66	392	29	24	0
5/22/2005	7	WE	pm	67	299	26	12	0
5/23/2005	8	WE	pm	28	113.25	6	2	0
5/24/2005	2	WD	am	7	24.25	3	4	0
5/25/2005	2	WD	pm	27	109.25	13	4	0
5/26/2005	4	WD	am	7	17	4	3	0
5/27/2005	5	WE	pm	40	170	9	9	0
5/28/2005	6	WE	am	21	72.5	10	9	0
5/29/2005	7	WE	am	23	88.5	4	19	0
6/3/2005	5	WE	am	2	12	2	3	0
6/4/2005	6	WE	pm	40	163	18	20	0
6/5/2005	7	WE	pm	10	80	1	21	1
6/6/2005	1	WD	am	0	0	0	0	0
6/7/2005	2	WD	pm	0	0	0	0	0
6/8/2005	3	WD	am	0	0	0	0	0
6/9/2005	4	WD	pm	22	69	11	22	0
6/10/2005	5	WE	pm	18	105.25	13	15	0
6/11/2005	6	WE	am	0	0	0	0	0
6/12/2005	7	WE	am	28	72.5	10	9	0
6/17/2005	5	WE	am	2	10	0	0	0
6/18/2005	6	WE	pm	11	21.5	0	0	0
6/19/2005	7	WE	pm	52	224.5	15	20	0
6/20/2005	1	WD	pm	21	93.5	12	45	0
6/21/2005	2	WD	am	8	36	4	14	0
6/22/2005	3	WD	pm	9	26.5	0	1	0
6/23/2005	4	WD	am	0	0	0	0	0
6/24/2005	5	WE	am	10	37.25	4	19	0
6/25/2005	6	WE	pm	53	241.5	24	56	0
6/26/2005	7	WE	am	22	70.5	9	5	1
7/1/2005	8	WE	pm	49	235.25	28	55	0
7/2/2005	6	WE	am	18	75.25	12	22	0
7/3/2005	7	WE	pm	47	231.5	15	32	0
7/4/2005	1	WD	pm	19	69	10	19	0
7/5/2005	2	WD	pm	20	61	4	9	2
7/6/2005	3	WD	am	9	21.5	9	0	0
7/7/2005	4	WD	pm	13	48.5	1	7	0
7/8/2005	5	WE	pm	38	141	13	10	0
7/9/2005	6	WE	am	21	71.25	8	6	0

Date	Day Code	Day Strata	Time Strata	Angler #	Angler Hours	LKTR Harvested (#)	LKTR Released (#)	Anglers Missed (#)
7/10/2005	7	WE	am	7	24.5	11	12	1
7/15/2005	5	WE	pm	26	101.5	10	4	0
7/16/2005	6	WE	pm	26	118	14	19	0
7/17/2005	7	WE	am	14	39.5	4	8	0
7/18/2005	1	WD	pm	12	37.5	0	1	1
7/19/2005	2	WD	am	8	26.25	3	1	0
7/20/2005	3	WD	am	5	8	0	1	0
7/21/2005	4	WD	am	4	12	5	1	0
7/22/2005	5	WE	am	5	22	6	4	0
7/23/2005	6	WE	pm	11	73	1	4	0
7/24/2005	7	WE	am	2	15	2	3	0
7/29/2005	5	WE	pm	17	55	6	11	0
7/30/2005	6	WE	am	16	46	3	3	2
7/31/2005	7	WE	pm	24	86.75	2	11	0
8/1/2005	8	WE	pm	16	76.5	4	5	0
8/2/2005	2	WD	pm	14	44	0	0	0
8/3/2005	3	WD	am	2	8	4	0	0
8/4/2005	4	WD	pm	19	38.5	1	4	0
8/5/2005	5	WE	am	4	12	0	2	0
8/6/2005	6	WE	pm	35	120	8	9	0
8/7/2005	7	WE	am	8	27	2	4	0
8/12/2005	5	WE	pm	12	57.25	2	7	0
8/13/2005	6	WE	am	12	55	7	4	0
8/14/2005	7	WE	pm	18	57	5	6	0
8/15/2005	1	WD	am	0	0	0	0	0
8/16/2005	2	WD	pm	0	0	0	0	0
8/17/2005	3	WD	am	0	0	0	0	0
8/18/2005	4	WD	pm	7	23.5	2	0	0
8/19/2005	5	WE	am	3	7	0	0	0
8/20/2005	6	WE	pm	31	131	4	1	0
8/21/2005	7	WE	am	11	46	4	1	0
8/26/2005	5	WE	pm	6	22	1	0	0
8/27/2005	6	WE	am	5	13.5	0	0	0
8/28/2005	7	WE	pm	14	42	3	6	0
8/29/2005	1	WD	am	5	10.5	0	0	0
8/30/2005	2	WD	am	0	0	0	0	0
8/31/2005	3	WD	am	5	22	0	0	0
9/1/2005	4	WD	pm	20	69	5	0	0
9/2/2005	5	WE	am	6	12	4	0	0
9/3/2005	6	WE	pm	26	104.5	8	6	0
9/4/2005	7	WE	am	11	33	6	15	0
9/5/2005	8	WE	pm	23	112	2	1	1

Appendix 3. An example of an instantaneous count dam survey form.

Dam Survey, Lk Minnewanka 2005 Date_____

Time of day:	Instant Survey: (anglers VISIBLE on Dam)	Ratio-of-use: (VISIBLE / Hidden)
7	_____	
8	_____	
9	_____	
10	_____	___/___
11	_____	
12	_____	
13	_____	
14	_____	
am 15	_____	___/___
pm 16	_____	
17	_____	
18	_____	___/___
19	_____	
20	_____	___/___
21	_____	
22	_____	
23	_____	

Appendix 4. Data from the instantaneous point count survey on Lake Minnewanka's dam in 2005. Day Strata codes: WE = Weekend day or Holiday, WD = Weekday; Time Strata codes: am = morning survey, pm = afternoon survey; RoU = Ratio of Use.

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
5/21/2005	15	WE	am	0	0	0
5/21/2005	16	WE	pm	0		
5/21/2005	17	WE	pm	0		
5/21/2005	18	WE	pm	0	0	0
5/21/2005	19	WE	pm	0		
5/21/2005	20	WE	pm	1	1	0
5/21/2005	21	WE	pm	0		
5/21/2005	22	WE	pm	1		
5/21/2005	23	WE	pm	0		
5/22/2005	15	WE	am	0	0	0
5/22/2005	16	WE	pm	0		
5/22/2005	17	WE	pm	0		
5/22/2005	18	WE	pm	0	0	0
5/22/2005	19	WE	pm	0		
5/22/2005	20	WE	pm	1	1	0
5/22/2005	21	WE	pm	0		
5/22/2005	22	WE	pm	0		
5/22/2005	23	WE	pm	0		
5/23/2005	15	WE	am	0	0	0
5/23/2005	16	WE	pm	0		
5/23/2005	17	WE	pm	0		
5/23/2005	18	WE	pm	0	0	0
5/23/2005	19	WE	pm	0		
5/23/2005	20	WE	pm	2	2	0
5/23/2005	21	WE	pm	0		
5/23/2005	22	WE	pm	0		
5/23/2005	23	WE	pm	0		
5/24/2005	7	WD	am	0		
5/24/2005	8	WD	am	0		
5/24/2005	9	WD	am	0		
5/24/2005	10	WD	am	0	0	0
5/24/2005	11	WD	am	0		
5/24/2005	12	WD	am	0		
5/24/2005	13	WD	am	0		
5/24/2005	14	WD	am	0		
5/24/2005	15	WD	am	0	0	0
5/25/2005	15	WD	am	0	0	0
5/25/2005	16	WD	pm	0		
5/25/2005	17	WD	pm	0		
5/25/2005	18	WD	pm	0	0	0
5/25/2005	19	WD	pm	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
5/25/2005	20	WD	pm	0	0	0
5/25/2005	21	WD	pm	0		
5/25/2005	22	WD	pm	0		
5/25/2005	23	WD	pm	0		
5/26/2005	7	WD	am	0		
5/26/2005	8	WD	am	0		
5/26/2005	9	WD	am	0		
5/26/2005	10	WD	am	0	0	0
5/26/2005	11	WD	am	0		
5/26/2005	12	WD	am	0		
5/26/2005	13	WD	am	0		
5/26/2005	14	WD	am	0		
5/26/2005	15	WD	am	0	0	0
5/27/2005	15	WE	am	0	0	0
5/27/2005	16	WE	pm	0		
5/27/2005	17	WE	pm	0		
5/27/2005	18	WE	pm	0	0	0
5/27/2005	19	WE	pm	0		
5/27/2005	20	WE	pm	0	0	0
5/27/2005	21	WE	pm	0		
5/27/2005	22	WE	pm	0		
5/27/2005	23	WE	pm	0		
5/28/2005	7	WE	am	0		
5/28/2005	8	WE	am	0		
5/28/2005	9	WE	am	0		
5/28/2005	10	WE	am	0	0	0
5/28/2005	11	WE	am	0		
5/28/2005	12	WE	am	0		
5/28/2005	13	WE	am	0		
5/28/2005	14	WE	am	0		
5/28/2005	15	WE	am	0	0	0
5/29/2005	7	WE	am	0		
5/29/2005	8	WE	am	0		
5/29/2005	9	WE	am	0		
5/29/2005	10	WE	am	0	0	0
5/29/2005	11	WE	am	0		
5/29/2005	12	WE	am	0		
5/29/2005	13	WE	am	0		
5/29/2005	14	WE	am	0		
5/29/2005	15	WE	am	0	0	0
6/3/2005	7	WE	am	0		
6/3/2005	8	WE	am	0		
6/3/2005	9	WE	am	0		
6/3/2005	10	WE	am	0	0	0
6/3/2005	11	WE	am	0		
6/3/2005	12	WE	am	0		
6/3/2005	13	WE	am	0		
6/3/2005	14	WE	am	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
6/3/2005	15	WE	am	0	0	0
6/4/2005	15	WE	am	0	0	0
6/4/2005	16	WE	pm	0		
6/4/2005	17	WE	pm	0		
6/4/2005	18	WE	pm	0	0	0
6/4/2005	19	WE	pm	0		
6/4/2005	20	WE	pm	0	0	0
6/4/2005	21	WE	pm	0		
6/4/2005	22	WE	pm	0		
6/4/2005	23	WE	pm	0		
6/5/2005	15	WE	am	0	0	0
6/5/2005	16	WE	pm	0		
6/5/2005	17	WE	pm	0		
6/5/2005	18	WE	pm	0	0	0
6/5/2005	19	WE	pm	0		
6/5/2005	20	WE	pm	0	0	0
6/5/2005	21	WE	pm	0		
6/5/2005	22	WE	pm	0		
6/5/2005	23	WE	pm	0		
6/6/2005	7	WD	am	0		
6/6/2005	8	WD	am	0		
6/6/2005	9	WD	am	0		
6/6/2005	10	WD	am	0	0	0
6/6/2005	11	WD	am	0		
6/6/2005	12	WD	am	0		
6/6/2005	13	WD	am	0		
6/6/2005	14	WD	am	0		
6/6/2005	15	WD	am	0	0	0
6/7/2005	15	WD	am	0	0	0
6/7/2005	16	WD	pm	0		
6/7/2005	17	WD	pm	0		
6/7/2005	18	WD	pm	0	0	0
6/7/2005	19	WD	pm	0		
6/7/2005	20	WD	pm	0	0	0
6/7/2005	21	WD	pm	0		
6/7/2005	22	WD	pm	0		
6/7/2005	23	WD	pm	0		
6/8/2005	7	WD	am	0	0	0
6/8/2005	8	WD	am	0		
6/8/2005	9	WD	am	0		
6/8/2005	10	WD	am	0	0	0
6/8/2005	11	WD	am	0		
6/8/2005	12	WD	am	0		
6/8/2005	13	WD	am	0		
6/8/2005	14	WD	am	0		
6/8/2005	15	WD	am	0	0	0
6/9/2005	15	WD	am	0	0	0
6/9/2005	16	WD	pm	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
6/9/2005	17	WD	pm	0		
6/9/2005	18	WD	pm	0	0	0
6/9/2005	19	WD	pm	0		
6/9/2005	20	WD	pm	0	0	0
6/9/2005	21	WD	pm	0		
6/9/2005	22	WD	pm	0		
6/9/2005	23	WD	pm	0		
6/10/2005	15	WE	am	0	0	0
6/10/2005	16	WE	pm	0		
6/10/2005	17	WE	pm	0		
6/10/2005	18	WE	pm	0	0	0
6/10/2005	19	WE	pm	0		
6/10/2005	20	WE	pm	0	0	0
6/10/2005	21	WE	pm	0		
6/10/2005	22	WE	pm	0		
6/10/2005	23	WE	pm	0		
6/11/2005	7	WE	am	0		
6/11/2005	8	WE	am	0		
6/11/2005	9	WE	am	0		
6/11/2005	10	WE	am	0	0	0
6/11/2005	11	WE	am	0		
6/11/2005	12	WE	am	0		
6/11/2005	13	WE	am	0		
6/11/2005	14	WE	am	0		
6/11/2005	15	WE	am	0	0	0
6/12/2005	7	WE	am	0		
6/12/2005	8	WE	am	0		
6/12/2005	9	WE	am	0		
6/12/2005	10	WE	am	0		
6/12/2005	11	WE	am	0		
6/12/2005	12	WE	am	0		
6/12/2005	13	WE	am	0		
6/12/2005	14	WE	am	0		
6/12/2005	15	WE	am	0	0	0
6/17/2005	7	WE	am	0		
6/17/2005	8	WE	am	0		
6/17/2005	9	WE	am	0		
6/17/2005	10	WE	am	0	0	0
6/17/2005	11	WE	am	0		
6/17/2005	12	WE	am	0		
6/17/2005	13	WE	am	0		
6/17/2005	14	WE	am	0		
6/17/2005	15	WE	am	0	0	0
6/18/2005	15	WE	am	0	0	0
6/18/2005	16	WE	pm	0		
6/18/2005	17	WE	pm	0		
6/18/2005	18	WE	pm	0	0	0
6/18/2005	19	WE	pm	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
6/18/2005	20	WE	pm	0	0	0
6/18/2005	21	WE	pm	0		
6/18/2005	22	WE	pm	0		
6/18/2005	23	WE	pm	0		
6/19/2005	15	WE	am	0	0	0
6/19/2005	16	WE	pm	0		
6/19/2005	17	WE	pm	0		
6/19/2005	18	WE	pm	0	0	0
6/19/2005	19	WE	pm	0		
6/19/2005	20	WE	pm	0	0	0
6/19/2005	21	WE	pm	0		
6/19/2005	22	WE	pm	0		
6/19/2005	23	WE	pm	0		
6/20/2005	15	WD	am	0	0	0
6/20/2005	16	WD	pm	0		
6/20/2005	17	WD	pm	0		
6/20/2005	18	WD	pm	0	0	0
6/20/2005	19	WD	pm	0		
6/20/2005	20	WD	pm	0	0	0
6/20/2005	21	WD	pm	0		
6/20/2005	22	WD	pm	0		
6/20/2005	23	WD	pm	0		
6/21/2005	7	WD	am	0		
6/21/2005	8	WD	am	0		
6/21/2005	9	WD	am	0		
6/21/2005	10	WD	am	0	0	0
6/21/2005	11	WD	am	0		
6/21/2005	12	WD	am	0		
6/21/2005	13	WD	am	0		
6/21/2005	14	WD	am	0		
6/21/2005	15	WD	am	0	0	0
6/22/2005	15	WD	am	0	0	0
6/22/2005	16	WD	pm	0		
6/22/2005	17	WD	pm	0		
6/22/2005	18	WD	pm	0	0	0
6/22/2005	19	WD	pm	0		
6/22/2005	20	WD	pm	0	0	0
6/22/2005	21	WD	pm	0		
6/22/2005	22	WD	pm	0		
6/22/2005	23	WD	pm	0		
6/23/2005	7	WD	am	0		
6/23/2005	8	WD	am	0		
6/23/2005	9	WD	am	0		
6/23/2005	10	WD	am	0	0	0
6/23/2005	11	WD	am	0		
6/23/2005	12	WD	am	0		
6/23/2005	13	WD	am	0		
6/23/2005	14	WD	am	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
6/23/2005	15	WD	am	0	0	0
6/24/2005	7	WE	am	0		
6/24/2005	8	WE	am	0		
6/24/2005	9	WE	am	0		
6/24/2005	10	WE	am	0	0	0
6/24/2005	11	WE	am	0		
6/24/2005	12	WE	am	0		
6/24/2005	13	WE	am	0		
6/24/2005	14	WE	am	0		
6/24/2005	15	WE	am	0	0	0
6/25/2005	15	WE	am	0	0	0
6/25/2005	16	WE	pm	0		
6/25/2005	17	WE	pm	0		
6/25/2005	18	WE	pm	0	0	0
6/25/2005	19	WE	pm	0		
6/25/2005	20	WE	pm	0	0	0
6/25/2005	21	WE	pm	0		
6/25/2005	22	WE	pm	0		
6/25/2005	23	WE	pm	0		
6/26/2005	7	WE	am	0		
6/26/2005	8	WE	am	0		
6/26/2005	9	WE	am	0		
6/26/2005	10	WE	am	0	0	0
6/26/2005	11	WE	am	0		
6/26/2005	12	WE	am	0		
6/26/2005	13	WE	am	0		
6/26/2005	14	WE	am	0		
6/26/2005	15	WE	am	0	0	0
7/1/2005	15	WE	am	0	0	0
7/1/2005	16	WE	pm	0		
7/1/2005	17	WE	pm	0		
7/1/2005	18	WE	pm	0	0	0
7/1/2005	19	WE	pm	0		
7/1/2005	20	WE	pm	1	1	0
7/1/2005	21	WE	pm	1		
7/1/2005	22	WE	pm	1		
7/1/2005	23	WE	pm	0		
7/2/2005	7	WE	am	0		
7/2/2005	8	WE	am	0		
7/2/2005	9	WE	am	0		
7/2/2005	10	WE	am	0	0	0
7/2/2005	11	WE	am	0		
7/2/2005	12	WE	am	0		
7/2/2005	13	WE	am	0		
7/2/2005	14	WE	am	0		
7/2/2005	15	WE	am	0	0	0
7/3/2005	15	WE	am	0	0	0
7/3/2005	16	WE	pm	1		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
7/3/2005	17	WE	pm	0		
7/3/2005	18	WE	pm	0	0	1
7/3/2005	19	WE	pm	0		
7/3/2005	20	WE	pm	0	0	0
7/3/2005	21	WE	pm	0		
7/3/2005	22	WE	pm	0		
7/3/2005	23	WE	pm	0		
7/4/2005	15	WD	am	3	3	0
7/4/2005	16	WD	pm	3		
7/4/2005	17	WD	pm	1		
7/4/2005	18	WD	pm	0	0	0
7/4/2005	19	WD	pm	0		
7/4/2005	20	WD	pm	0	0	0
7/4/2005	21	WD	pm	0		
7/4/2005	22	WD	pm	0		
7/4/2005	23	WD	pm	0		
7/5/2005	15	WD	am	0	0	0
7/5/2005	16	WD	pm	0		
7/5/2005	17	WD	pm	0		
7/5/2005	18	WD	pm	0	0	0
7/5/2005	19	WD	pm	0		
7/5/2005	20	WD	pm	0	0	0
7/5/2005	21	WD	pm	0		
7/5/2005	22	WD	pm	0		
7/5/2005	23	WD	pm	0		
7/6/2005	7	WD	am	0		
7/6/2005	8	WD	am	0		
7/6/2005	9	WD	am	0		
7/6/2005	10	WD	am	0	0	0
7/6/2005	11	WD	am	0		
7/6/2005	12	WD	am	0		
7/6/2005	13	WD	am	0		
7/6/2005	14	WD	am	0		
7/6/2005	15	WD	am	0	0	0
7/7/2005	15	WD	am	0	0	0
7/7/2005	16	WD	pm	0		
7/7/2005	17	WD	pm	0		
7/7/2005	18	WD	pm	0	0	0
7/7/2005	19	WD	pm	0		
7/7/2005	20	WD	pm	0	0	0
7/7/2005	21	WD	pm	0		
7/7/2005	22	WD	pm	0		
7/7/2005	23	WD	pm	0		
7/8/2005	15	WE	am	0	0	0
7/8/2005	16	WE	pm	0		
7/8/2005	17	WE	pm	0		
7/8/2005	18	WE	pm	1	1	0
7/8/2005	19	WE	pm	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
7/8/2005	20	WE	pm	0	0	0
7/8/2005	21	WE	pm	0		
7/8/2005	22	WE	pm	0		
7/8/2005	23	WE	pm	0		
7/9/2005	7	WE	am	0		
7/9/2005	8	WE	am	0		
7/9/2005	9	WE	am	0		
7/9/2005	10	WE	am	0	0	0
7/9/2005	11	WE	am	0		
7/9/2005	12	WE	am	0		
7/9/2005	13	WE	am	0		
7/9/2005	14	WE	am	0		
7/9/2005	15	WE	am	0	0	0
7/10/2005	7	WE	am	0		
7/10/2005	8	WE	am	0		
7/10/2005	9	WE	am	0		
7/10/2005	10	WE	am	0	0	0
7/10/2005	11	WE	am	0		
7/10/2005	12	WE	am	0		
7/10/2005	13	WE	am	2		
7/10/2005	14	WE	am	0		
7/10/2005	15	WE	am	0	0	0
7/15/2005	15	WE	am	0	0	0
7/15/2005	16	WE	pm	0		
7/15/2005	17	WE	pm	0		
7/15/2005	18	WE	pm	0	0	0
7/15/2005	19	WE	pm	0		
7/15/2005	20	WE	pm	0	0	0
7/15/2005	21	WE	pm	0		
7/15/2005	22	WE	pm	0		
7/15/2005	23	WE	pm	0		
7/16/2005	15	WE	am	0	0	0
7/16/2005	16	WE	pm	0		
7/16/2005	17	WE	pm	0		
7/16/2005	18	WE	pm	0	0	0
7/16/2005	19	WE	pm	0		
7/16/2005	20	WE	pm	0	0	0
7/16/2005	21	WE	pm	0		
7/16/2005	22	WE	pm	0		
7/16/2005	23	WE	pm	0		
7/17/2005	7	WE	am	0		
7/17/2005	8	WE	am	0		
7/17/2005	9	WE	am	0		
7/17/2005	10	WE	am	0	0	0
7/17/2005	11	WE	am	0		
7/17/2005	12	WE	am	1		
7/17/2005	13	WE	am	0		
7/17/2005	14	WE	am	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
7/17/2005	15	WE	am	0	0	0
7/18/2005	15	WD	am	0	0	0
7/18/2005	16	WD	pm	0		
7/18/2005	17	WD	pm	0		
7/18/2005	18	WD	pm	0	0	0
7/18/2005	19	WD	pm	0		
7/18/2005	20	WD	pm	0	0	0
7/18/2005	21	WD	pm	0		
7/18/2005	22	WD	pm	0		
7/18/2005	23	WD	pm	0		
7/19/2005	7	WD	am	0		
7/19/2005	8	WD	am	0		
7/19/2005	9	WD	am	0		
7/19/2005	10	WD	am	0	0	0
7/19/2005	11	WD	am	0		
7/19/2005	12	WD	am	0		
7/19/2005	13	WD	am	0		
7/19/2005	14	WD	am	0		
7/19/2005	15	WD	am	0	0	0
7/20/2005	7	WD	am	0		
7/20/2005	8	WD	am	0		
7/20/2005	9	WD	am	0		
7/20/2005	10	WD	am	0	0	0
7/20/2005	11	WD	am	0		
7/20/2005	12	WD	am	0		
7/20/2005	13	WD	am	0		
7/20/2005	14	WD	am	0		
7/20/2005	15	WD	am	0	0	0
7/21/2005	7	WD	am	0		
7/21/2005	8	WD	am	0		
7/21/2005	9	WD	am	0		
7/21/2005	10	WD	am	0	0	0
7/21/2005	11	WD	am	0		
7/21/2005	12	WD	am	0		
7/21/2005	13	WD	am	0		
7/21/2005	14	WD	am	0		
7/21/2005	15	WD	am	0	0	0
7/22/2005	7	WE	am	0		
7/22/2005	8	WE	am	0		
7/22/2005	9	WE	am	0		
7/22/2005	10	WE	am	0	0	0
7/22/2005	11	WE	am	0		
7/22/2005	12	WE	am	0		
7/22/2005	13	WE	am	0		
7/22/2005	14	WE	am	0		
7/22/2005	15	WE	am	0	0	0
7/23/2005	15	WE	am	0	0	0
7/23/2005	16	WE	pm	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
7/23/2005	17	WE	pm	0		
7/23/2005	18	WE	pm	0	0	0
7/23/2005	19	WE	pm	0		
7/23/2005	20	WE	pm	0	0	0
7/23/2005	21	WE	pm	0		
7/23/2005	22	WE	pm	0		
7/23/2005	23	WE	pm	0		
7/24/2005	7	WE	am	0		
7/24/2005	8	WE	am	0		
7/24/2005	9	WE	am	0		
7/24/2005	10	WE	am	0	0	0
7/24/2005	11	WE	am	0		
7/24/2005	12	WE	am	0		
7/24/2005	13	WE	am	0		
7/24/2005	14	WE	am	0		
7/24/2005	15	WE	am	0	0	0
7/29/2005	15	WE	am	0	0	0
7/29/2005	16	WE	pm	0		
7/29/2005	17	WE	pm	0		
7/29/2005	18	WE	pm	0	0	0
7/29/2005	19	WE	pm	0		
7/29/2005	20	WE	pm	0	0	0
7/29/2005	21	WE	pm	0		
7/29/2005	22	WE	pm	0		
7/29/2005	23	WE	pm	0		
7/30/2005	7	WE	am	0		
7/30/2005	8	WE	am	0		
7/30/2005	9	WE	am	0		
7/30/2005	10	WE	am	0	0	0
7/30/2005	11	WE	am	0		
7/30/2005	12	WE	am	0		
7/30/2005	13	WE	am	0		
7/30/2005	14	WE	am	0		
7/30/2005	15	WE	am	0	0	0
7/31/2005	15	WE	am	0	0	0
7/31/2005	16	WE	pm	0		
7/31/2005	17	WE	pm	0		
7/31/2005	18	WE	pm	2	2	0
7/31/2005	19	WE	pm	0		
7/31/2005	20	WE	pm	0	0	0
7/31/2005	21	WE	pm	0		
7/31/2005	22	WE	pm	0		
7/31/2005	23	WE	pm	0		
8/1/2005	15	WE	am	0	0	0
8/1/2005	16	WE	pm	0		
8/1/2005	17	WE	pm	0		
8/1/2005	18	WE	pm	1	1	0
8/1/2005	19	WE	pm	1		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
8/1/2005	20	WE	pm	0	0	0
8/1/2005	21	WE	pm	0		
8/1/2005	22	WE	pm	0		
8/1/2005	23	WE	pm	0		
8/2/2005	15	WD	am	0	0	0
8/2/2005	16	WD	pm	0		
8/2/2005	17	WD	pm	0		
8/2/2005	18	WD	pm	0	0	0
8/2/2005	19	WD	pm	0		
8/2/2005	20	WD	pm	0	0	0
8/2/2005	21	WD	pm	0		
8/2/2005	22	WD	pm	0		
8/2/2005	23	WD	pm	0		
8/3/2005	7	WD	am	0		
8/3/2005	8	WD	am	0		
8/3/2005	9	WD	am	0		
8/3/2005	10	WD	am	0	0	0
8/3/2005	11	WD	am	0		
8/3/2005	12	WD	am	0		
8/3/2005	13	WD	am	0		
8/3/2005	14	WD	am	0		
8/3/2005	15	WD	am	0	0	0
8/4/2005	15	WD	am	0	0	0
8/4/2005	16	WD	pm	0		
8/4/2005	17	WD	pm	0		
8/4/2005	18	WD	pm	0	0	0
8/4/2005	19	WD	pm	0		
8/4/2005	20	WD	pm	0	0	0
8/4/2005	21	WD	pm	0		
8/4/2005	22	WD	pm	0		
8/4/2005	23	WD	pm	0		
8/5/2005	7	WE	am	0		
8/5/2005	8	WE	am	0		
8/5/2005	9	WE	am	0		
8/5/2005	10	WE	am	0	0	0
8/5/2005	11	WE	am	0		
8/5/2005	12	WE	am	0		
8/5/2005	13	WE	am	0		
8/5/2005	14	WE	am	0		
8/5/2005	15	WE	am	0	0	0
8/6/2005	15	WE	am	0	0	0
8/6/2005	16	WE	pm	0		
8/6/2005	17	WE	pm	0		
8/6/2005	18	WE	pm	0	0	0
8/6/2005	19	WE	pm	0		
8/6/2005	20	WE	pm	0	0	0
8/6/2005	21	WE	pm	0		
8/6/2005	22	WE	pm	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
8/6/2005	23	WE	pm	0		
8/7/2005	7	WE	am	0		
8/7/2005	8	WE	am	0		
8/7/2005	9	WE	am	0		
8/7/2005	10	WE	am	0	0	0
8/7/2005	11	WE	am	0		
8/7/2005	12	WE	am	0		
8/7/2005	13	WE	am	0		
8/7/2005	14	WE	am	0		
8/7/2005	15	WE	am	0	0	0
8/12/2005	15	WE	am	0	0	0
8/12/2005	16	WE	pm	0		
8/12/2005	17	WE	pm	0		
8/12/2005	18	WE	pm	0	0	0
8/12/2005	19	WE	pm	0		
8/12/2005	20	WE	pm	0	0	0
8/12/2005	21	WE	pm	0		
8/12/2005	22	WE	pm	0		
8/12/2005	23	WE	pm	0		
8/13/2005	7	WE	am	0		
8/13/2005	8	WE	am	0		
8/13/2005	9	WE	am	0		
8/13/2005	10	WE	am	0	0	0
8/13/2005	11	WE	am	0		
8/13/2005	12	WE	am	0		
8/13/2005	13	WE	am	0		
8/13/2005	14	WE	am	0		
8/13/2005	15	WE	am	0	0	0
8/14/2005	15	WE	am	0	0	0
8/14/2005	16	WE	pm	0		
8/14/2005	17	WE	pm	0		
8/14/2005	18	WE	pm	0	0	0
8/14/2005	19	WE	pm	0		
8/14/2005	20	WE	pm	0	0	0
8/14/2005	21	WE	pm	0		
8/14/2005	22	WE	pm	0		
8/14/2005	23	WE	pm	0		
8/15/2005	7	WD	am	0		
8/15/2005	8	WD	am	0		
8/15/2005	9	WD	am	0		
8/15/2005	10	WD	am	0	0	0
8/15/2005	11	WD	am	0		
8/15/2005	12	WD	am	0		
8/15/2005	13	WD	am	0		
8/15/2005	14	WD	am	0		
8/15/2005	15	WD	am	0	0	0
8/16/2005	15	WD	am	0	0	0
8/16/2005	16	WD	pm	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
8/16/2005	17	WD	pm	0		
8/16/2005	18	WD	pm	0	0	0
8/16/2005	19	WD	pm	0		
8/16/2005	20	WD	pm	0	0	0
8/16/2005	21	WD	pm	0		
8/16/2005	22	WD	pm	0		
8/16/2005	23	WD	pm	0		
8/17/2005	7	WD	am	0		
8/17/2005	8	WD	am	0		
8/17/2005	9	WD	am	0		
8/17/2005	10	WD	am	0	0	0
8/17/2005	11	WD	am	0		
8/17/2005	12	WD	am	0		
8/17/2005	13	WD	am	0		
8/17/2005	14	WD	am	0		
8/17/2005	15	WD	am	0	0	0
8/18/2005	15	WD	am	0	0	0
8/18/2005	16	WD	pm	0		
8/18/2005	17	WD	pm	0		
8/18/2005	18	WD	pm	1	1	0
8/18/2005	19	WD	pm	0		
8/18/2005	20	WD	pm	0	0	0
8/18/2005	21	WD	pm	0		
8/18/2005	22	WD	pm	0		
8/18/2005	23	WD	pm	0		
8/19/2005	7	WE	am	0		
8/19/2005	8	WE	am	0		
8/19/2005	9	WE	am	0		
8/19/2005	10	WE	am	0	0	0
8/19/2005	11	WE	am	1		
8/19/2005	12	WE	am	0		
8/19/2005	13	WE	am	0		
8/19/2005	14	WE	am	0		
8/19/2005	15	WE	am	0	0	0
8/20/2005	15	WE	am	0	0	0
8/20/2005	16	WE	pm	0		
8/20/2005	17	WE	pm	0		
8/20/2005	18	WE	pm	0	0	0
8/20/2005	19	WE	pm	0		
8/20/2005	20	WE	pm	0	0	0
8/20/2005	21	WE	pm	0		
8/21/2005	7	WE	am	0		
8/21/2005	8	WE	am	0		
8/21/2005	9	WE	am	0		
8/21/2005	10	WE	am	0	0	0
8/21/2005	11	WE	am	0		
8/21/2005	12	WE	am	0		
8/21/2005	13	WE	am	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
8/21/2005	14	WE	am	0		
8/26/2005	15	WE	am	0	0	0
8/26/2005	16	WE	pm	0		
8/26/2005	17	WE	pm	0		
8/26/2005	18	WE	pm	0	0	0
8/26/2005	19	WE	pm	0		
8/26/2005	20	WE	pm	0	0	0
8/26/2005	21	WE	pm	0		
8/26/2005	22	WE	pm	0		
8/26/2005	23	WE	pm	0		
8/27/2005	7	WE	am	0		
8/27/2005	8	WE	am	0		
8/27/2005	9	WE	am	0		
8/27/2005	10	WE	am	0	0	0
8/27/2005	11	WE	am	1		
8/27/2005	12	WE	am	1		
8/27/2005	13	WE	am	0		
8/27/2005	14	WE	am	0		
8/27/2005	15	WE	am	0	0	0
8/28/2005	15	WE	am	0	0	0
8/28/2005	16	WE	pm	0		
8/28/2005	17	WE	pm	0		
8/28/2005	18	WE	pm	0	0	0
8/28/2005	19	WE	pm	1		
8/28/2005	20	WE	pm	0	0	0
8/28/2005	21	WE	pm	0		
8/28/2005	22	WE	pm	0		
8/28/2005	23	WE	pm	0		
8/29/2005	7	WD	am	0		
8/29/2005	8	WD	am	0		
8/29/2005	9	WD	am	0		
8/29/2005	10	WD	am	0	0	0
8/29/2005	11	WD	am	0		
8/29/2005	12	WD	am	0		
8/29/2005	13	WD	am	0		
8/29/2005	14	WD	am	0		
8/29/2005	15	WD	am	0	0	0
8/30/2005	7	WD	am	0		
8/30/2005	8	WD	am	0		
8/30/2005	9	WD	am	0		
8/30/2005	10	WD	am	0	0	0
8/30/2005	11	WD	am	0		
8/30/2005	12	WD	am	0		
8/30/2005	13	WD	am	0		
8/30/2005	14	WD	am	0		
8/30/2005	15	WD	am	0	0	0
8/31/2005	7	WD	am	0		
8/31/2005	8	WD	am	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
8/31/2005	9	WD	am	0		
8/31/2005	10	WD	am	0	0	0
8/31/2005	11	WD	am	0		
8/31/2005	12	WD	am	0		
8/31/2005	13	WD	am	0		
8/31/2005	14	WD	am	0		
8/31/2005	15	WD	am	0	0	0
9/1/2005	15	WD	am	0	0	0
9/1/2005	16	WD	pm	0		
9/1/2005	17	WD	pm	0		
9/1/2005	18	WD	pm	0	0	0
9/1/2005	19	WD	pm	0		
9/1/2005	20	WD	pm	0	0	0
9/1/2005	21	WD	pm	0		
9/1/2005	22	WD	pm	0		
9/1/2005	23	WD	pm	0		
9/2/2005	7	WE	am	0		
9/2/2005	8	WE	am	0		
9/2/2005	9	WE	am	0		
9/2/2005	10	WE	am	0	0	0
9/2/2005	11	WE	am	0		
9/2/2005	12	WE	am	0		
9/2/2005	13	WE	am	0		
9/2/2005	14	WE	am	0		
9/2/2005	15	WE	am	0	0	0
9/3/2005	15	WE	am	0	0	0
9/3/2005	16	WE	pm	0		
9/3/2005	17	WE	pm	0		
9/3/2005	18	WE	pm	0	0	0
9/3/2005	19	WE	pm	0		
9/3/2005	20	WE	pm	0	0	0
9/3/2005	21	WE	pm	0		
9/3/2005	22	WE	pm	0		
9/3/2005	23	WE	pm	0		
9/4/2005	7	WE	am	0		
9/4/2005	8	WE	am	0		
9/4/2005	9	WE	am	0		
9/4/2005	10	WE	am	0	0	0
9/4/2005	11	WE	am	0		
9/4/2005	12	WE	am	0		
9/4/2005	13	WE	am	0		
9/4/2005	14	WE	am	0		
9/4/2005	15	WE	am	0	0	0
9/5/2005	15	WE	am	0	0	0
9/5/2005	16	WE	pm	0		
9/5/2005	17	WE	pm	0		
9/5/2005	18	WE	pm	0	0	0
9/5/2005	19	WE	pm	0		

Date	Time of Day	Day Strata	Time Strata	Instant Survey:Visible	RoU-Visble	RoU-Hidden
9/5/2005	20	WE	pm	0	0	0
9/5/2005	21	WE	pm	0		
9/5/2005	22	WE	pm	0		
9/5/2005	23	WE	pm	0		

Appendix 6. Data from the guided angler survey on Lake Minnewanka in 2005. Day codes: 1 = Monday, 2 = Tuesday, 3 = Wednesday, 4 = Wednesday, 5 = Friday, 6 = Saturday, 7 = Sunday; Guide Company codes: M Tours = Minnewanka Tours, BFU = Banff Fishing Unlimited; LKTR = Lake Trout.

Date	DAY CODE	Guide Company	Time at Trip End	Group #	Angler#	Hours	Angler Hours	LKTR-Kept	LKTR-Released
5/21/2005	6	M Tours	12.00	1	2	3.00	6.00	0	0
5/21/2005	6	M Tours	16.50	2	2	3.50	7.00	0	1
5/22/2005	7	BFU	18.00	1	3	4.00	12.00	0	0
5/23/2005	8	M Tours	16.50	1	3	3.50	10.50	2	2
5/25/2005	3	BFU	17.50	1	2	3.50	7.00	0	3
5/26/2005	4	M Tours	16.50	1	1	3.00	3.00	1	0
5/27/2005	5	M Tours	14.50	1	3	2.00	6.00	1	0
5/27/2005	5	BFU	12.50	1	2	4.50	9.00	0	7
5/28/2005	6	M Tours	16.50	1	3	3.50	10.50	1	0
5/28/2005	6	M Tours	13.50	2	2	3.50	7.00	2	4
5/29/2005	7	BFU	18.00	1	3	4.50	13.50	0	3
5/30/2005	1	BFU	16.50	1	4	2.00	8.00	4	0
5/30/2005	1	BFU	21.50	2	2	3.50	7.00	0	3
5/30/2005	1	BFU	17.50	3	4	4.00	16.00	0	7
5/31/2005	2	BFU	15.00	1	2	4.50	9.00	1	3
5/31/2005	2	BFU	15.00	2	2	3.00	6.00	1	2
6/1/2005	3	BFU	16.50	1	3	3.00	9.00	6	1
6/1/2005	3	BFU	12.00	2	2	4.00	8.00	3	0
6/3/2005	5	BFU	12.50	1	2	4.00	8.00	0	11
6/3/2005	5	BFU	12.50	2	3	4.50	13.50	0	4
6/4/2005	6	BFU	12.50	1	4	4.00	16.00	0	9
6/4/2005	6	BFU		2	2	4.50	9.00	2	3
6/4/2005	6	M Tours	16.50	1	4	3.00	12.00	2	0
6/4/2005	6	M Tours	12.00	2	3	3.00	9.00	0	4
6/4/2005	6	M Tours	15.50	3	1	5.50	5.50	1	14
6/5/2005	7	BFU	10.50	1	3	4.00	12.00	1	7
6/6/2005	1	BFU	12.50	1	1	4.50	4.50	1	12
6/6/2005	1	BFU	17.50	2	2	4.00	8.00	2	14
6/7/2005	2	M Tours	12.50	1	2	3.00	6.00	2	3
6/7/2005	2	BFU		1	2	3.00	6.00	1	4
6/7/2005	2	M Tours	16.50	2	3	3.00	9.00	1	2
6/7/2005	2	M Tours	20.50	3	3	3.00	9.00	0	2
6/7/2005	2	M Tours	12.50	4	3	3.00	9.00	3	2
6/8/2005	3	BFU	13.50	1	4	4.50	18.00	5	18
6/10/2005	5	M Tours	12.50	1	4	3.50	14.00	1	7
6/10/2005	5	BFU	17.50	1	5	4.00	20.00	2	0
6/10/2005	5	M Tours	17.00	2	2	3.50	7.00	2	1
6/11/2005	6	M Tours	12.50	1	4	3.50	14.00	1	0
6/11/2005	6	M Tours	16.50	2	3	3.50	10.50	4	0

Date	DAY CODE	Guide Company	Time at Trip End	Group #	Angler#	Hours	Angler Hours	LKTR- Kept	LKTR- Released
6/11/2005	6	M Tours	12.50	3	2	3.50	7.00	1	0
6/11/2005	6	M Tours	12.50	4	5	3.50	17.50	2	3
6/12/2005	7	M Tours	12.50	1	2	3.50	7.00	2	3
6/12/2005	7	BFU	17.50	1	2	4.50	9.00	2	5
6/12/2005	7	BFU	15.50	2	4	2.50	10.00	4	3
6/13/2005	1	BFU	16.50	1	3	2.50	7.50	6	3
6/13/2005	1	BFU	14.00	2	2	5.00	10.00	0	0
6/13/2005	1	BFU		3	2	4.50	9.00	0	6
6/13/2005	1	BFU	12.50	4	4	4.50	18.00	3	3
6/13/2005	1	M Tours	12.50	1	3	3.50	10.50	2	1
6/13/2005	1	M Tours	20.50	2	2	3.50	7.00	1	0
6/14/2005	2	BFU	16.00	1	4	4.00	16.00	4	8
6/14/2005	2	BFU	16.00	2	4	4.00	16.00	4	7
6/15/2005	3	BFU	19.50	1	4	6.50	26.00	8	5
6/15/2005	3	BFU	12.50	2	4	4.50	18.00	8	2
6/15/2005	3	BFU	17.75	3	2	4.50	9.00	2	2
6/15/2005	3	M Tours	11.00	1	2	1.00	2.00	1	1
6/16/2005	4	BFU	17.50	1	2	4.50	9.00	4	3
6/16/2005	4	BFU	17.50	2	5	4.50	22.50	1	2
6/16/2005	4	BFU	12.50	3	3	4.50	13.50	1	1
6/16/2005	4	M Tours	16.50	1	2	3.00	6.00	4	2
6/17/2005	5	BFU	12.50	1	1	4.00	4.00	1	1
6/17/2005	5	BFU	17.00	2	2	4.50	9.00	0	0
6/18/2005	6	BFU	13.00	1	3	4.50	13.50	2	4
6/20/2005	1	M Tours	12.50	1	2	3.00	6.00	2	4
6/20/2005	1	BFU	12.50	1	4	4.00	16.00	0	10
6/21/2005	2	M Tours	12.50	1	2	3.00	6.00	2	5
6/21/2005	2	M Tours	21.50	2	3	3.00	9.00	4	3
6/22/2005	3	BFU	12.00	1	2	4.00	8.00	0	8
6/23/2005	4	BFU	13.50	1	2	4.00	8.00	1	0
6/23/2005	4	BFU	15.00	2	2	5.00	10.00	0	10
6/24/2005	5	BFU	12.00	1	2	4.00	8.00	4	6
6/24/2005	5	BFU	12.00	2	3	4.00	12.00	0	13
6/24/2005	5	BFU	20.50	3	3	3.00	9.00	2	5
6/24/2005	5	BFU	18.00	4	2	4.50	9.00	0	10
6/24/2005	5	BFU	12.00	5	3	4.00	12.00	3	7
6/25/2005	6	BFU		1	4	4.00	16.00	5	13
6/25/2005	6	BFU		2	2	4.50	9.00	4	6
6/25/2005	6	BFU	17.50	3	4	4.00	16.00	4	3
6/25/2005	6	M Tours	16.50	1	2	3.50	7.00	4	0
6/25/2005	6	M Tours	12.50	2	2	3.50	7.00	2	0
6/26/2005	7	BFU	13.00	1	2	4.50	9.00	3	6
6/26/2005	7	BFU	17.00	2	4	4.00	16.00	3	2
6/26/2005	7	BFU	13.00	3	2	4.50	9.00	3	4
6/26/2005	7	BFU	18.00	4	4	4.50	18.00	4	4
6/27/2005	1	BFU	12.00	1	6	3.50	21.00	0	8
6/27/2005	1	BFU	17.50	2	2	4.00	8.00	0	3

Date	DAY CODE	Guide Company	Time at Trip End	Group #	Angler#	Hours	Angler Hours	LKTR- Kept	LKTR- Released
6/27/2005	1	M Tours	20.00	1	2	3.00	6.00	2	6
6/27/2005	1	BFU	12.50	3	3	4.00	12.00	0	6
6/27/2005	1	M Tours		2	3	3.00	9.00	0	10
6/27/2005	1	M Tours	16.50	3	2	3.00	6.00	0	9
6/28/2005	2	BFU	12.00	1	5	3.50	17.50	3	4
6/28/2005	2	BFU	17.00	2	2	4.00	8.00	4	0
6/28/2005	2	BFU	12.00	3	4	2.75	11.00	0	7
6/28/2005	2	BFU	12.00	4	3	4.00	12.00	0	4
6/29/2005	3	BFU	12.50	1	2	4.50	9.00	0	11
6/29/2005	3	BFU	18.00	2	2	4.50	9.00	0	6
6/30/2005	4	M Tours	11.50	1	4	2.00	8.00	0	3
6/30/2005	4	M Tours	16.50	2	3	3.00	9.00	0	4
6/30/2005	4	BFU	12.00	1	2	4.50	9.00	0	8
7/1/2005	8	M Tours	12.50	1	4	3.50	14.00	2	4
7/1/2005	8	M Tours	16.50	2	3	3.00	9.00	1	0
7/1/2005	8	BFU	12.00	1	4	3.00	12.00	0	6
7/1/2005	8	BFU	19.50	2	6	4.00	24.00	5	1
7/1/2005	8	M Tours	12.50	3	2	3.50	7.00	0	0
7/1/2005	8	M Tours	16.50	4	2	3.50	7.00	0	2
7/2/2005	6	BFU	10.50	1	6	2.00	12.00	2	0
7/2/2005	6	M Tours	12.50	1	2	3.50	7.00	0	2
7/3/2005	7	BFU	20.00	1	2	4.00	8.00	4	5
7/3/2005	7	M Tours	16.50	1	3	3.00	9.00	6	0
7/3/2005	7	M Tours	12.50	2	2	3.00	6.00	2	4
7/4/2005	1	BFU	12.00	1	3	4.00	12.00	5	1
7/4/2005	1	M Tours	12.50	1	2	3.00	6.00	4	6
7/5/2005	2	BFU	21.00	1	2	4.50	9.00	0	7
7/5/2005	2	M Tours	16.50	1	2	3.00	6.00	1	5
7/5/2005	2	M Tours	12.50	2	3	3.00	9.00	2	4
7/5/2005	2	M Tours	20.50	3	2	3.00	6.00	1	9
7/6/2005	3	BFU	12.00	1	5	4.00	20.00	3	2
7/6/2005	3	BFU	12.50	2	2	4.50	9.00	0	6
7/6/2005	3	M Tours	16.50	1	2	3.00	6.00	1	5
7/6/2005	3	M Tours	12.50	2	3	3.00	9.00	1	5
7/7/2005	4	BFU	20.50	1	4	3.00	12.00	5	2
7/7/2005	4	M Tours	12.50	1	2	3.00	6.00	3	1
7/8/2005	5	BFU	12.00	1	2	4.25	8.50	4	6
7/8/2005	5	M Tours	16.50	1	3	3.50	10.50	0	3
7/9/2005	6	BFU	12.00	1	5	4.00	20.00	4	0
7/9/2005	6	M Tours	13.00	1	3	3.50	10.50	0	2
7/9/2005	6	M Tours	17.00	2	3	3.50	10.50	0	2
7/10/2005	7	BFU	15.50	1	3	3.00	9.00	3	0
7/10/2005	7	M Tours	16.00	1	2	3.00	6.00	1	4
7/10/2005	7	M Tours	12.50	2	2	3.50	7.00	0	2
7/10/2005	7	M Tours	21.00	3	4	3.50	14.00	0	2
7/11/2005	1	BFU	12.00	1	4	4.00	16.00	7	0
7/11/2005	1	BFU	17.50	2	4	4.00	16.00	5	0

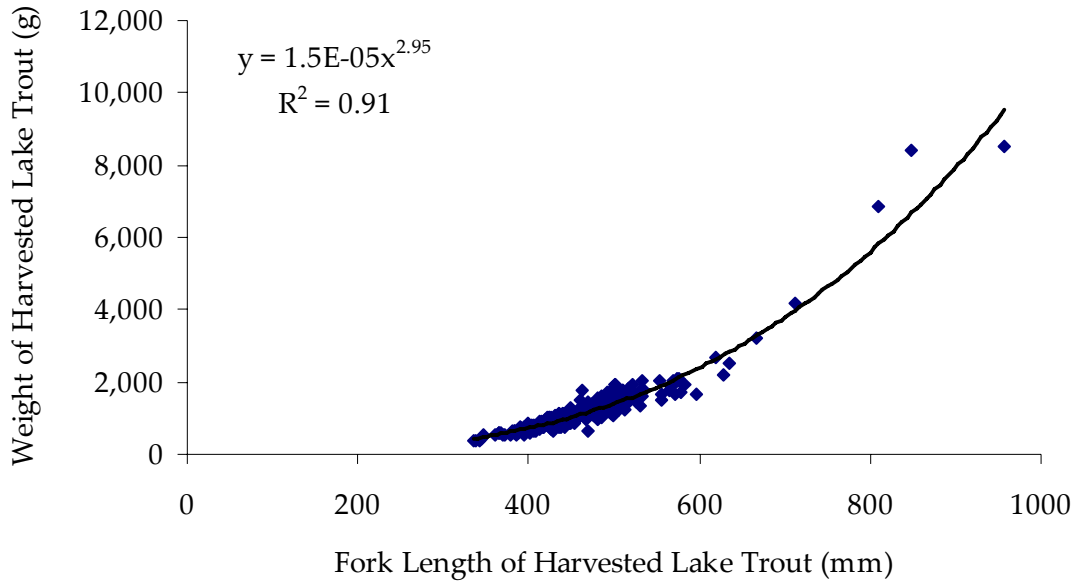
Date	DAY CODE	Guide Company	Time at Trip End	Group #	Angler#	Hours	Angler Hours	LKTR- Kept	LKTR- Released
7/11/2005	1	BFU	22.00	3	5	4.50	22.50	0	6
7/11/2005	1	BFU	12.50	4	5	4.50	22.50	0	7
7/12/2005	2	BFU	12.50	1	2	4.00	8.00	0	3
7/12/2005	2	BFU	22.00	2	2	4.50	9.00	0	12
7/12/2005	2	BFU	18.75	3	2	4.25	8.50	2	6
7/12/2005	2	BFU	12.75	4	2	4.00	8.00	0	6
7/12/2005	2	M Tours	16.00	1	2	3.50	7.00	2	1
7/12/2005	2	M Tours	13.00	2	2	3.00	6.00	2	0
7/13/2005	3	BFU	17.50	1	3	4.50	13.50	2	6
7/14/2005	4	BFU	14.00	1	4	6.00	24.00	0	11
7/14/2005	4	BFU	12.50	2	2	4.50	9.00	0	7
7/14/2005	4	BFU	15.75	3	3	3.50	10.50	4	0
7/15/2005	5	BFU	11.75	1	4	4.00	16.00	0	5
7/15/2005	5	BFU	16.75	2	4	4.00	16.00	0	4
7/16/2005	6	BFU	12.50	1	3	4.00	12.00	0	3
7/16/2005	6	BFU	14.50	2	4	2.00	8.00	0	6
7/16/2005	6	BFU	11.50	3	4	4.00	16.00	0	6
7/16/2005	6	BFU	16.25	4	4	4.00	16.00	0	4
7/17/2005	7	BFU	17.50	1	6	4.00	24.00	0	0
7/17/2005	7	BFU	12.50	2	4	4.00	16.00	3	1
7/17/2005	7	BFU	12.50	3	5	4.00	20.00	2	0
7/19/2005	2	BFU	17.50	1	4	4.00	16.00	3	0
7/19/2005	2	BFU	14.00	2	4	4.50	18.00	7	0
7/20/2005	3	BFU	12.25	1	2	4.25	8.50	2	4
7/20/2005	3	BFU	12.00	2	4	4.00	16.00	2	4
7/20/2005	3	BFU	18.00	3	2	4.50	9.00	0	5
7/21/2005	4	BFU	14.50	1	5	4.50	22.50	0	0
7/21/2005	4	M Tours	12.50	1	3	3.00	9.00	2	3
7/22/2005	5	BFU	17.50	1	5	4.50	22.50	0	2
7/22/2005	5	BFU	14.50	2	5	6.00	30.00	4	2
7/22/2005	5	M Tours	12.50	1	3	3.50	10.50	0	1
7/23/2005	6	BFU	17.00	1	2	3.50	7.00	4	7
7/24/2005	7	BFU	12.50	1	2	4.00	8.00	3	1
7/24/2005	7	BFU	12.50	2	2	4.00	8.00	2	3
7/25/2005	1	BFU	12.00	1	4	4.00	16.00	1	1
7/25/2005	1	M Tours	17.00	1	2	3.50	7.00	0	1
7/25/2005	1	BFU	12.50	2	2	4.00	8.00	0	3
7/26/2005	2	BFU	12.50	1	2	4.50	9.00	0	4
7/26/2005	2	BFU		2	2	4.50	9.00	0	6
7/26/2005	2	M Tours		1	2	2.50	5.00	2	1
7/26/2005	2	M Tours	19.50	2	4	2.00	8.00	0	3
7/26/2005	2	BFU	12.50	3	2	4.50	9.00	1	5
7/26/2005	2	BFU	12.50	4	2	4.00	8.00	1	4
7/27/2005	3	BFU	18.50	1	2	6.50	13.00	0	8
7/27/2005	3	M Tours	12.50	1	2	3.00	6.00	1	3
7/27/2005	3	M Tours	16.50	2	4	3.00	12.00	1	2
7/27/2005	3	M Tours	20.50	3	2	3.00	6.00	1	1

Date	DAY CODE	Guide Company	Time at Trip End	Group #	Angler#	Hours	Angler Hours	LKTR- Kept	LKTR- Released
7/27/2005	3	BFU	12.50	2	4	4.25	17.00	3	4
7/27/2005	3	BFU	18.50	3	2	4.25	8.50	0	3
7/27/2005	3	BFU	19.00	4	3	4.00	12.00	0	4
7/28/2005	4	BFU	12.25	1	2	4.25	8.50	2	4
7/28/2005	4	BFU	18.00	2	2	4.25	8.50	2	1
7/29/2005	5	BFU	17.50	1	4	4.00	16.00	2	0
7/29/2005	5	BFU	12.50	2	4	4.00	16.00	4	0
7/30/2005	6	M Tours	12.50	1	3	3.50	10.50	5	0
7/31/2005	7	BFU	12.50	1	8	4.00	32.00	3	5
7/31/2005	7	BFU	18.00	2	3	4.50	13.50	1	4
7/31/2005	7	M Tours	12.50	1	3	3.50	10.50	1	0
7/31/2005	7	M Tours	20.50	2	2	3.00	6.00	1	2
7/31/2005	7	BFU	12.50	3	6	4.50	27.00	0	5
7/31/2005	7	BFU	17.50	4	5	4.50	22.50	4	3
7/31/2005	7	BFU	12.50	5	4	4.00	16.00	0	0
8/1/2005	8	BFU	12.50	1	2	3.50	7.00	2	2
8/1/2005	8	BFU	16.50	2	2	3.00	6.00	2	4
8/1/2005	8	BFU	12.00	3	4	4.00	16.00	0	4
8/1/2005	8	BFU	18.50	4	7	4.50	31.50	0	2
8/1/2005	8	BFU	12.50	5	2	4.00	8.00	0	4
8/2/2005	2	M Tours	16.50	1	2	3.00	6.00	1	0
8/2/2005	2	BFU	12.50	1	3	4.50	13.50	3	1
8/2/2005	2	M Tours	12.50	2	3	3.00	9.00	3	2
8/2/2005	2	M Tours	20.50	3	4	3.00	12.00	2	0
8/2/2005	2	BFU	12.00	2	3	4.00	12.00	0	4
8/3/2005	3	M Tours		1	2	3.00	6.00	2	6
8/3/2005	3	BFU	17.75	1	4	4.50	18.00	0	6
8/3/2005	3	BFU	12.50	2	3	4.50	13.50	4	6
8/3/2005	3	BFU	17.25	3	4	4.25	17.00	1	2
8/3/2005	3	BFU	12.25	4	4	4.25	17.00	4	4
8/4/2005	4	M Tours	16.50	1	3	3.00	9.00	1	3
8/4/2005	4	M Tours	20.50	2	3	3.00	9.00	0	2
8/4/2005	4	BFU	21.50	1	4	4.50	18.00	2	3
8/4/2005	4	BFU	13.00	2	6	4.50	27.00	2	1
8/5/2005	5	BFU	18.00	1	2	4.00	8.00	1	1
8/5/2005	5	M Tours	12.00	1	8	2.50	20.00	3	1
8/5/2005	5	BFU	11.50	2	5	3.00	15.00	10	1
8/5/2005	5	BFU	12.00	3	4	3.00	12.00	0	3
8/5/2005	5	BFU	17.50	4	3	4.50	13.50	0	2
8/5/2005	5	BFU	20.50	5	6	4.00	24.00	8	0
8/5/2005	5	BFU	12.00	6	2	4.00	8.00	0	2
8/6/2005	6	BFU	12.50	1	2	4.50	9.00	2	7
8/6/2005	6	BFU	17.50	2	3	4.50	13.50	2	6
8/6/2005	6	BFU	13.00	3	4	4.50	18.00	0	5
8/6/2005	6	BFU	17.00	4	6	4.00	24.00	0	6
8/7/2005	7	BFU	18.00	1	5	4.50	22.50	3	1
8/7/2005	7	BFU	12.50	2	4	4.50	18.00	3	0

Date	DAY CODE	Guide Company	Time at Trip End	Group #	Angler#	Hours	Angler Hours	LKTR- Kept	LKTR- Released
8/7/2005	7	M Tours	20.50	1	2	3.00	6.00	2	1
8/7/2005	7	BFU	16.50	3	2	3.00	6.00	0	0
8/7/2005	7	BFU	12.50	4	3	4.50	13.50	0	0
8/8/2005	1	BFU	12.50	1	2	4.50	9.00	2	6
8/8/2005	1	M Tours	12.50	1	2	3.00	6.00	0	3
8/8/2005	2	M Tours	16.50	2	3	3.00	9.00	3	0
8/8/2005	2	BFU	17.00	2	1	3.75	3.75	1	3
8/8/2005	2	BFU	16.50	3	4	3.00	12.00	2	2
8/9/2005	2	M Tours	12.50	1	4	3.00	12.00	7	2
8/9/2005	2	BFU		1	2	4.50	9.00	0	8
8/9/2005	2	BFU	17.00	2	1	4.00	4.00	0	1
8/9/2005	2	BFU	12.25	3	7	4.00	28.00	4	0
8/10/2005	3	M Tours	12.50	1	4	3.00	12.00	2	3
8/10/2005	3	M Tours	20.50	2	2	3.00	6.00	0	3
8/10/2005	3	BFU	16.00	1	3	2.00	6.00	1	0
8/10/2005	3	BFU	12.00	2	3	4.00	12.00	2	3
8/10/2005	3	BFU	12.50	3	2	4.00	8.00	0	3
8/11/2005	4			3	2	4.25	8.50	1	2
8/11/2005	4	BFU	13.00	1	4	4.50	18.00	4	2
8/12/2005	5	BFU	19.25	1	3	4.25	12.75	2	1
8/12/2005	5	BFU	12.50	2	1	4.50	4.50	0	4
8/12/2005	5	BFU	17.50	3	3	4.00	12.00	0	0
8/12/2005	5	BFU	12.50	4	2	4.00	8.00	0	6
8/13/2005	6	BFU	12.25	1	4	4.25	17.00	0	2
8/13/2005	6	BFU	17.50	2	6	4.50	27.00	4	4
8/13/2005	6	BFU	12.50	3	5	4.00	20.00	0	4
8/14/2005	7	BFU	15.00	1	2	6.50	13.00	0	6
8/14/2005	7	BFU	12.00	2	5	4.00	20.00	1	4
8/14/2005	7	BFU	18.00	3	6	4.00	24.00	4	0
8/15/2005	1	BFU	18.00	1	5	4.00	20.00	0	1
8/15/2005	1	BFU	12.50	2	3	4.00	12.00	4	0
8/16/2005	2	BFU	11.50	1	5	4.00	20.00	0	4
8/16/2005	2	BFU		2	5	4.00	20.00	1	2
8/16/2005	2	BFU		3	2	4.00	8.00	0	2
8/16/2005	2	BFU		4	3	4.00	12.00	0	1
8/17/2005	3	BFU	12.50	1	2	4.50	9.00	4	9
8/17/2005	3	BFU	11.00	2	2	3.50	7.00	4	2
8/18/2005	4	BFU	12.00	1	2	4.50	9.00	0	10
8/19/2005	5	BFU	14.50	1	4	6.50	26.00	5	1
8/19/2005	5	BFU	19.50	2	3	4.00	12.00	5	2
8/19/2005	5	BFU	14.00	3	3	6.00	18.00	3	3
8/20/2005	6	BFU	12.50	1	4	4.50	18.00	0	6
8/20/2005	6	BFU	12.50	2	2	4.00	8.00	0	5
8/22/2005	1	BFU	15.00	1	2	1.00	2.00	0	0
8/24/2005	3	BFU	15.00	1	2	4.50	9.00	2	3
8/24/2005	3	M Tours	11.75	1	1	2.50	2.50	1	3
8/24/2005	3	BFU	16.75	2	2	3.75	7.50	2	1

Date	DAY CODE	Guide Company	Time at Trip End	Group #	Angler#	Hours	Angler Hours	LKTR- Kept	LKTR- Released
8/25/2005	4	BFU	13.00	1	3	4.50	13.50	0	4
8/26/2005	5	BFU	12.75	1	2	4.25	8.50	1	1
8/26/2005	5	BFU	12.50	2	4	4.00	16.00	5	3
8/28/2005	7	BFU	17.50	1	2	4.25	8.50	2	3
8/28/2005	7	BFU	21.00	2	2	4.50	9.00	4	1
8/29/2005	1	M Tours	12.25	1	3	2.75	8.25	2	7
8/30/2005	2	BFU		1	2	6.50	13.00	0	5
8/30/2005	2	BFU		2	3	4.00	12.00	2	0
		BFU	12.50		5	4.00	20.00	0	0
		BFU	12.50		1	4.50	4.50	0	3

Appendix 7. The relationship between lake trout fork length and weight (Power regression line-of-best-fit). These are fish harvested from Lake Minnewanka in 2005 by recreational anglers (n = 266 lake trout).



Appendix 8. Data from the monthly summary sheets for guided anglers on Lake Minnewanka in 2005. Guide Company codes: M Tours = Minnewanka Tours, BFU = Banff Fishing Unlimited.

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
BFU	5/22/2005	8	3	4	12
BFU	5/24/2005	14	2	4	8
BFU	5/27/2005	8	2	4	8
BFU	5/28/2005	8	3	4	12
BFU	5/28/2005	13.5	6	4	24
BFU	5/29/2005	13.5	3	4	12
BFU	5/30/2005	13.5	4	4	16
BFU	5/30/2005	17	2	4	8
BFU	5/31/2005	9.5	2	5	10
BFU	6/1/2005	8	2	4	8
BFU	6/1/2005	13.5	3	4	12
BFU	6/3/2005	8	5	3	15
BFU	6/3/2005	8	5	3	15
BFU	6/3/2005	8	2	4	8
BFU	6/4/2005	8	4	4	16
BFU	6/4/2005	8	3	4	12
BFU	6/4/2005	9.5	1	4	4
BFU	6/5/2005	18	3	4	12
BFU	6/5/2005	8	5	3	15
BFU	6/6/2005	13.5	2	4	8
BFU	6/6/2005	8.5	1	4	4
BFU	6/7/2005	9	2	3	6
BFU	6/8/2005	8.5	4	4	16
BFU	6/10/2005	13	4	4	16
BFU	6/12/2005	8	1	4	4
BFU	6/12/2005	13	5	4	20
BFU	6/12/2005	13	3	4	12
BFU	6/12/2005	13	4	4	16
BFU	6/13/2005	8	2	4	8
BFU	6/13/2005	8	4	4	16
BFU	6/13/2005	8	2	4	8
BFU	6/14/2005	14	4	4	16
BFU	6/14/2005	14	4	4	16
BFU	6/15/2005	8	4	4	16
BFU	6/15/2005	13.5	2	4	8
BFU	6/16/2005	8	3	4	12
BFU	6/16/2005	13.5	3	4	12
BFU	6/16/2005	13.5	2	4	8
BFU	6/17/2005	7.5	7	4	28
BFU	6/17/2005	11.5	2	4	8
BFU	6/17/2005	8	2	4	8
BFU	6/18/2005	8.5	3	4	12
BFU	6/20/2005	8	4	4	16
BFU	6/21/2005	8	2	4	8

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
BFU	6/22/2005	8	2	4	8
BFU	6/22/2005	8	4	4	16
BFU	6/23/2005	9	2	4	8
BFU	6/23/2005	9.5	2	4	8
BFU	6/24/2005	8	3	4	12
BFU	6/24/2005	8	3	4	12
BFU	6/24/2005	8	2	4	8
BFU	6/24/2005	13	2	4	8
BFU	6/24/2005	17	3	3	9
BFU	6/25/2005	8	3	4	12
BFU	6/25/2005	8	2	4	8
BFU	6/25/2005	13.5	2	4	8
BFU	6/26/2005	8.5	2	4	8
BFU	6/26/2005	13.5	4	4	16
BFU	6/26/2005		4	4	16
BFU	6/26/2005	9.5	1	5	5
BFU	6/27/2005	8.5	6	3	18
BFU	6/27/2005	8.5	6	3	18
BFU	6/27/2005	8.5	3	3	9
BFU	6/27/2005	13.5	3	4	12
BFU	6/28/2005	8.5	5	3	15
BFU	6/28/2005	8.5	3	3	9
BFU	6/29/2005	8	4	4	16
BFU	6/29/2005	8	2	4	8
BFU	6/29/2005	13.5	2	4	8
BFU	6/30/2005	8	2	4	8
BFU	7/1/2005	9	4	4	16
BFU	7/1/2005	9	4	4	16
BFU	7/1/2005	15.5	6	4	24
BFU	7/1/2005	15.5	6	4	24
BFU	7/2/2005	8	6	3.5	21
BFU	7/2/2005	8	6	3.5	21
BFU	7/2/2005	13.5	3	4	12
BFU	7/3/2005	8	2	4	8
BFU	7/3/2005	13.5	2	4	8
BFU	7/3/2005	16.5	2	4	8
BFU	7/4/2005	8	3	4	12
BFU	7/5/2005	16.5	2	4	8
BFU	7/6/2005	8	2	4	8
BFU	7/6/2005	8	4	4	16
BFU	7/7/2005	17.5	4	4	16
BFU	7/9/2005	8	2	4	8
BFU	7/9/2005	8.5	4	4	16
BFU	7/9/2005	15	2	4	8
BFU	7/10/2005	8	4	4	16
BFU	7/10/2005	8	5	4	20
BFU	7/10/2005	13	5	4	20
BFU	7/10/2005	16.5	5	4	20
BFU	7/12/2005	8	2	4	8

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
BFU	7/12/2005	8.5	2	4	8
BFU	7/12/2005	14	2	4	8
BFU	7/12/2005	17.5	2	4	8
BFU	7/13/2005	8.5	2	4	8
BFU	7/13/2005	13.5	3	4	12
BFU	7/14/2005	8	2	4	8
BFU	7/14/2005	8	2	4	8
BFU	7/14/2005	8	4	4	16
BFU	7/14/2005	13.5	4	4	16
BFU	7/14/2005	13.5	3	4	12
BFU	7/15/2005	8	6	3.5	21
BFU	7/15/2005	8	5	3.5	17.5
BFU	7/15/2005	12.5	6	3.5	21
BFU	7/15/2005	12.5	3	4	12
BFU	7/16/2005	7.75	4	3.5	14
BFU	7/16/2005	7.75	3	3.5	10.5
BFU	7/16/2005	7.75	2	3.5	7
BFU	7/16/2005	12.75	4	3.5	14
BFU	7/16/2005	13.5	5	4	20
BFU	7/17/2005	8	5	4	20
BFU	7/17/2005	8	2	4	8
BFU	7/18/2005	8.5	4	4	16
BFU	7/18/2005	13	4	4	16
BFU	7/18/2005	13.5	6	4	24
BFU	7/19/2005	10	2	4	8
BFU	7/19/2005	14	4	4	16
BFU	7/20/2005	8	4	4	16
BFU	7/20/2005	8	2	4	8
BFU	7/20/2005	13.5	4	4	16
BFU	7/21/2005	10	2	4	8
BFU	7/21/2005	14	4	4	16
BFU	7/22/2005	8	6	4	24
BFU	7/22/2005	8.5	2	4	8
BFU	7/22/2005	13	5	4	20
BFU	7/23/2005	8	5	4	20
BFU	7/23/2005	13.5	2	4	8
BFU	7/24/2005	8	2	4	8
BFU	7/25/2005	8	4	4	16
BFU	7/26/2005	8	2	4	8
BFU	7/26/2005	8	3	4	12
BFU	7/26/2005	8	2	4	8
BFU	7/26/2005	13.5	2	4	8
BFU	7/26/2005	13.5	3	4	12
BFU	7/26/2005	16.5	2	4	8
BFU	7/27/2005	8	2	6	12
BFU	7/27/2005	12	4	4	16
BFU	7/27/2005	14	2	4	8
BFU	7/27/2005	15	3	4	12
BFU	7/28/2005	8	2	6	12

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
BFU	7/28/2005	9	3	4	12
BFU	7/28/2005	8	2	4	8
BFU	7/28/2005	13.5	2	4	8
BFU	7/29/2005	8	4	4	16
BFU	7/29/2005	13.5	3	4	12
BFU	7/31/2005	8	6	4	24
BFU	7/31/2005	8	6	4	24
BFU	7/31/2005	8	4	4	16
BFU	7/31/2005	13.5	3	4	12
BFU	7/31/2005	13.5	5	4	20
BFU	8/1/2005	8	2	4	8
BFU	8/1/2005	9	2	3	6
BFU	8/1/2005	9	2	3	6
BFU	8/1/2005	13.5	6	4	24
BFU	8/1/2005	13.5	2	4	8
BFU	8/2/2005	8	3	4	12
BFU	8/2/2005	8	3	4	12
BFU	8/2/2005	16.5	2	4	8
BFU	8/3/2005	8.5	4	4	16
BFU	8/3/2005	8.5	3	4	12
BFU	8/3/2005	13.5	1	4	4
BFU	8/3/2005	13.5	4	4	16
BFU	8/4/2005	8.5	6	4	24
BFU	8/4/2005	17	4	4	16
BFU	8/5/2005	9	6	3	18
BFU	8/5/2005	9	6	3	18
BFU	8/5/2005	9	3	3	9
BFU	8/5/2005	13.5	2	4	8
BFU	8/5/2005	13.5	3	4	12
BFU	8/5/2005	16	6	4	24
BFU	8/6/2005	8	2	4	8
BFU	8/6/2005	8.5	4	4	16
BFU	8/6/2005	13.5	3	4	12
BFU	8/6/2005	13.5	6	4	24
BFU	8/7/2005	8	4	4	16
BFU	8/7/2005	8	3	4	12
BFU	8/7/2005	13.5	2	4	8
BFU	8/7/2005	13.5	5	4	20
BFU	8/8/2005	8	2	4	8
BFU	8/8/2005	8	5	4	20
BFU	8/8/2005	13.5	4	4	16
BFU	8/9/2005	8	7	4	28
BFU	8/9/2005	8	3	4	12
BFU	8/9/2005	13.5	3	4	12
BFU	8/9/2005	13.5	2	4	8
BFU	8/10/2005	8	2	4	8
BFU	8/10/2005	8	3	4	12
BFU	8/10/2005	13.5	3	4	12
BFU	8/11/2005	8	4	4	16

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
BFU	8/11/2005	8.5	2	4	8
BFU	8/11/2005	13.5	2	4	8
BFU	8/12/2005	7	2	4	8
BFU	8/12/2005	8	1	4	4
BFU	8/12/2005	12.5	2	4	8
BFU	8/12/2005	15	3	4	12
BFU	8/13/2005	8	3	4	12
BFU	8/13/2005	8.5	5	4	20
BFU	8/13/2005	13.5	6	4	24
BFU	8/14/2005	8	4	4	16
BFU	8/14/2005	8.5	2	4	8
BFU	8/14/2005	13.5	2	4	8
BFU	8/15/2005	8	3	4	12
BFU	8/15/2005	13.5	5	4	20
BFU	8/16/2005	7	2	4	8
BFU	8/16/2005	7.5	5	4	20
BFU	8/16/2005	12	5	4	20
BFU	8/16/2005	12	3	4	12
BFU	8/17/2005	8	5	4	20
BFU	8/17/2005	8	2	4	8
BFU	8/18/2005	8	2	4	8
BFU	8/18/2005	8	3	4	12
BFU	8/18/2005	13.5	2	4	8
BFU	8/19/2005	8	4	4	16
BFU	8/19/2005	8	3	4	12
BFU	8/19/2005	16	3	4	12
BFU	8/20/2005	8	4	4	16
BFU	8/20/2005	8.5	2	4	8
BFU	8/21/2005	8.5	5	4	20
BFU	8/22/2005	14	2	4	8
BFU	8/23/2005	8	2	4	8
BFU	8/24/2005	8.5	2	4	8
BFU	8/24/2005	13.5	2	4	8
BFU	8/25/2005	8.5	3	4	12
BFU	8/26/2005	8.5	2	4	8
BFU	8/26/2005	8.5	4	4	16
BFU	8/27/2005	7.5	2	4	8
BFU	8/28/2005	8	2	4	8
BFU	8/28/2005	13.5	2	4	8
BFU	8/28/2005	16.5	2	4	8
BFU	8/29/2005	8	2	4	8
BFU	8/30/2005	8	2	4	8
BFU	8/30/2005	8	3	4	12
BFU	8/30/2005	13.5	1	4	4
BFU	9/3/2005	13.5	4	4	16
BFU	9/4/2005	8	4	4	16
M Tours	5/21/2005	9	2	3.5	7
M Tours	5/21/2005	13	2	3.5	7
M Tours	5/23/2005	13	3	3.5	10.5

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
M Tours	5/26/2005		2	3.5	7
M Tours	5/28/2005	9	2	3.5	7
M Tours	5/28/2005	13	2	3.5	7
M Tours	5/28/2005	17	2	3.5	7
M Tours	5/31/2005	9	2	3.5	7
M Tours	5/31/2005	13	2	3.5	7
M Tours	6/2/2005	17	2	3.5	7
M Tours	6/4/2005	9	3	3.5	10.5
M Tours	6/4/2005	9	2	3.5	7
M Tours	6/4/2005	13	2	3.5	7
M Tours	6/4/2005	13	1	3.5	3.5
M Tours	6/7/2005	9	2	3.5	7
M Tours	6/8/2005	9	3	3.5	10.5
M Tours	6/8/2005	13	3	3.5	10.5
M Tours	6/8/2005		2	3.5	7
M Tours	6/8/2005		3	3.5	10.5
M Tours	6/8/2005	17	3	3.5	10.5
M Tours	6/10/2005	9	2	3.5	7
M Tours	6/10/2005	10	6	3.5	21
M Tours	6/10/2005	10		3.5	
M Tours	6/11/2005	9	8	3.5	28
M Tours	6/11/2005	9		3.5	
M Tours	6/11/2005	9	2	3.5	7
M Tours	6/11/2005	13	2	3.5	7
M Tours	6/12/2005	9	4	3.5	14
M Tours	6/13/2005	9	3	3.5	10.5
M Tours	6/13/2005	17	2	3.5	7
M Tours	6/14/2005	13	1	3.5	3.5
M Tours	6/15/2005	9	2	3.5	7
M Tours	6/15/2005	17	2	3.5	7
M Tours	6/16/2005	13	3	3.5	10.5
M Tours	6/20/2005	9	2	3.5	7
M Tours	6/21/2005	9	2	3.5	7
M Tours	6/21/2005	9	2	3.5	7
M Tours	6/21/2005	17.5	3	3.5	10.5
M Tours	6/21/2005		3	3.5	10.5
M Tours	6/21/2005		3	3.5	10.5
M Tours	6/21/2005		2	3.5	7
M Tours	6/22/2005	113	4	3.5	14
M Tours	6/23/2005	13	2	3.5	7
M Tours	6/25/2005	9	3	3.5	10.5
M Tours	6/25/2005	13	2	3.5	7
M Tours	6/26/2005	9	4	3.5	14
M Tours	6/27/2005	9	3	3.5	10.5
M Tours	6/27/2005	12	3	3.5	10.5
M Tours	6/27/2005	13	2	3.5	7
M Tours	6/27/2005	17	2	3.5	7
M Tours	6/28/2005	8.5	8	3.5	28
M Tours	6/28/2005	9	1	3.5	3.5

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
M Tours	6/28/2005	13	2	3.5	7
M Tours	6/28/2005	13	2	3.5	7
M Tours	6/29/2005	9	2	3.5	7
M Tours	6/29/2005	9	3	3.5	10.5
M Tours	6/29/2005	13	2	3.5	7
M Tours	6/29/2005	17	2	3.5	7
M Tours	6/30/2005	9	2	3.5	7
M Tours	6/30/2005	9	2	3.5	7
M Tours	6/30/2005	13	3	3.5	10.5
M Tours	6/30/2005	13	2	3.5	7
M Tours	7/1/2005	9	2	3.5	7
M Tours	7/1/2005	9	2	3.5	7
M Tours	7/1/2005	13	2	3.5	7
M Tours	7/1/2005	13	3	3.5	10.5
M Tours	7/2/2005	9	2	3.5	7
M Tours	7/3/2005	9	2	3.5	7
M Tours	7/3/2005	13	3	3.5	10.5
M Tours	7/3/2005	17	2	3.5	7
M Tours	7/4/2005	9	2	3.5	7
M Tours	7/4/2005	15	2	3.5	7
M Tours	7/5/2005	9	3	3.5	10.5
M Tours	7/5/2005	13	2	3.5	7
M Tours	7/5/2005	17	2	3.5	7
M Tours	7/6/2005	9	3	3.5	10.5
M Tours	7/6/2005	13	2	3.5	7
M Tours	7/7/2005	9	4	3.5	14
M Tours	7/7/2005	9	2	3.5	7
M Tours	7/7/2005	13	7	3.5	24.5
M Tours	7/7/2005	13			
M Tours	7/7/2005	17	3	3.5	10.5
M Tours	7/8/2005	13	2	3.5	7
M Tours	7/9/2005	13	3	3.5	10.5
M Tours	7/9/2005	17	3	3.5	10.5
M Tours	7/10/2005	9	4	3.5	14
M Tours	7/10/2005	9	2	3.5	7
M Tours	7/10/2005	13	1	3.5	3.5
M Tours	7/11/2005	9	4	3.5	14
M Tours	7/12/2005	9	4	3.5	14
M Tours	7/12/2005	13	2	3.5	7
M Tours	7/12/2005	17	3	3.5	10.5
M Tours	7/13/2005	9	2	3.5	7
M Tours	7/13/2005	13	2	3.5	7
M Tours	7/14/2005	9	2	3.5	7
M Tours	7/14/2005	13	2	3.5	7
M Tours	7/14/2005	13	2	3.5	7
M Tours	7/14/2005	17	2	3.5	7
M Tours	7/15/2005	13	2	3.5	7
M Tours	7/16/2005	9	4	3.5	14
M Tours	7/16/2005	13	4	3.5	14

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
M Tours	7/17/2005	9	2	3.5	7
M Tours	7/17/2005	13	2	3.5	7
M Tours	7/17/2005	17	3	3.5	10.5
M Tours	7/18/2005	9	3	3.5	10.5
M Tours	7/18/2005	13			
M Tours	7/18/2005		9	3.5	31.5
M Tours	7/18/2005				
M Tours	7/18/2005	17	3	3.5	10.5
M Tours	7/19/2005	9	2	3.5	7
M Tours	7/19/2005	13	4	3.5	14
M Tours	7/19/2005	17	2	3.5	7
M Tours	7/20/2005	9	2	3.5	7
M Tours	7/20/2005	9	2	3.5	7
M Tours	7/21/2005	9	2	3.5	7
M Tours	7/21/2005	14.5	2	3.5	7
M Tours	7/22/2005	9	13	3.5	45.5
M Tours	7/22/2005			3.5	
M Tours	7/22/2005			3.5	
M Tours	7/22/2005			3.5	
M Tours	7/22/2005	13	10	3.5	35
M Tours	7/22/2005			3.5	
M Tours	7/22/2005			3.5	
M Tours	7/23/2005	13	1	3.5	3.5
M Tours	7/23/2005	17	2	3.5	7
M Tours	7/24/2005	9	2	3.5	7
M Tours	7/24/2005	17	2	3.5	7
M Tours	7/25/2005	13	2	3.5	7
M Tours	7/26/2005	13	2	3.5	7
M Tours	7/26/2005	17	16	3.5	56
M Tours	7/26/2005			3.5	
M Tours	7/26/2005			3.5	
M Tours	7/26/2005			3.5	
M Tours	7/27/2005	9	2	3.5	7
M Tours	7/27/2005		2	3.5	7
M Tours	7/27/2005	13	8	3.5	28
M Tours	7/27/2005				
M Tours	7/27/2005	17	2	3.5	7
M Tours	7/28/2005	9	2	3.5	7
M Tours	7/28/2005	13	4	3.5	14
M Tours	7/28/2005				
M Tours	7/29/2005	9	2	3.5	7
M Tours	7/30/2005	9	6	3.5	21
M Tours	7/30/2005				
M Tours	7/30/2005	13	2	3.5	7
M Tours	7/30/2005	17	1	3.5	3.5
M Tours	7/31/2005	9	4	3.5	14
M Tours	7/31/2005	13	3	3.5	10.5
M Tours	7/31/2005	17	2	3.5	7
M Tours	7/31/2005	17	2	3.5	7

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
M Tours	7/31/2005	9	3	3.5	10.5
M Tours	8/1/2005	9	2	3.5	7
M Tours	8/1/2005	9	2	3.5	7
M Tours	8/1/2005	13	2	3.5	7
M Tours	8/2/2005	9	2	3.5	7
M Tours	8/2/2005	9	2	3.5	7
M Tours	8/2/2005	13	2	3.5	7
M Tours	8/2/2005	17	2	3.5	7
M Tours	8/3/2005	9	1	3.5	3.5
M Tours	8/3/2005	13	2	3.5	7
M Tours	8/4/2005	9	1	3.5	3.5
M Tours	8/4/2005	13	3	3.5	10.5
M Tours	8/4/2005	17	2	3.5	7
M Tours	8/4/2005	17	2	3.5	7
M Tours	8/5/2005	9	8	3.5	28
M Tours	8/5/2005			3.5	
M Tours	8/5/2005			3.5	
M Tours	8/5/2005			3.5	
M Tours	8/5/2005	17	2	3.5	7
M Tours	8/6/2005	9	2	3.5	7
M Tours	8/6/2005	13	4	3.5	14
M Tours	8/7/2005	17	2	3.5	7
M Tours	8/8/2005	9	2	3.5	7
M Tours	8/8/2005	13	3	3.5	10.5
M Tours	8/9/2005	17	4	3.5	14
M Tours	8/10/2005	9	4	3.5	14
M Tours	8/9/2005	9	4	3.5	14
M Tours	8/10/2005	17	2	3.5	7
M Tours	8/11/2005	13	3	3.5	10.5
M Tours	8/12/2005	13	2	3.5	7
M Tours	8/12/2005	17	1	3.5	3.5
M Tours	8/13/2005	13	1	3.5	3.5
M Tours	8/13/2005	17	2	3.5	7
M Tours	8/14/2005	9	3	3.5	10.5
M Tours	8/14/2005	17	2	3.5	7
M Tours	8/15/2005	9	1	3.5	3.5
M Tours	8/15/2005	13	2	3.5	7
M Tours	8/15/2005	17	4	3.5	14
M Tours	8/15/2005	17	2	3.5	7
M Tours	8/16/2005	9	2	3.5	7
M Tours	8/16/2005	13	3	3.5	10.5
M Tours	8/16/2005				
M Tours	8/17/2005	17	3	3.5	10.5
M Tours	8/18/2005	9	2	3.5	7
M Tours	8/18/2005	13	2	3.5	7
M Tours	8/19/2005	9	6	3.5	21
M Tours	8/19/2005				
M Tours	8/19/2005	13	4	3.5	14
M Tours	8/19/2005	17	2	3.5	7

Guide Company	Date	Time	# of Clients	Hours Fished	Angler Hours
M Tours	8/20/2005	9	3	3.5	10.5
M Tours	8/20/2005				
M Tours	8/20/2005	17	2	3.5	7
M Tours	8/21/2005	9	2	3.5	7
M Tours	8/22/2005	9	2	3.5	7
M Tours	8/22/2005	13	2	3.5	7
M Tours	8/24/2005	9	1	3.5	3.5
M Tours	8/25/2005	9	1	3.5	3.5
M Tours	8/25/2005	13	3	3.5	10.5
M Tours	8/25/2005	17	2	3.5	7
M Tours	8/26/2005	9	2	3.5	7
M Tours	8/26/2005	13	2	3.5	7
M Tours	8/26/2005	17	1	3.5	3.5
M Tours	8/27/2005	9	4	3.5	14
M Tours	8/28/2005	13	4	3.5	14
M Tours	8/28/2005	17	2	3.5	7
M Tours	8/29/2005	9	3	3.5	10.5
M Tours	8/23/2005	17	2	3.5	7
M Tours	8/30/2005	9	2	3.5	7
M Tours	8/30/2005	13	2	3.5	7
M Tours	8/31/2005	13	2	3.5	7
M Tours	8/31/2005	17	2	3.5	7
M Tours	9/1/2005	9	3	3.5	10.5
M Tours	9/2/2005	9	2	3.5	7
M Tours	9/3/2005	13	2	3.5	7
M Tours	9/4/2005	9	3	3.5	10.5
M Tours	9/4/2005	17	2	3.5	7
M Tours	9/4/2005	13	1	3.5	3.5
M Tours	9/5/2005	9	2	3.5	7
M Tours	9/5/2005	13	2	3.5	7

Appendix 9. Biological data collected from recreational angler-harvested fish at the boat launch on Lake Minnewanka in the summer of 2005. Species codes: LKTR = lake trout, RMWH = Rocky Mountain whitefish; FL = Fork length, Wt = Weight; Sex code: M = male, F = female, U = unknown; Maturity codes: I = immature, M = mature; Y = yes, N = no.

Date	Species	FL (mm)	Wt (g)	Sex (M/F/U)	Maturity (I/M)	Adipose Clip (Y/N)	Tag #	Otoliths (Y/N, #)	Stomach Contents	Notes
5/21/2005	LKTR	849	8400	F	M			Y 2		
5/21/2005	LKTR	401	610							
5/21/2005	LKTR	418	818							
5/21/2005	LKTR	430	952							
5/21/2005	LKTR	515	1388							
5/21/2005	LKTR	461	1240					Y 2		
5/21/2005	LKTR	443	1044					Y 1		
5/21/2005	LKTR	463		F				Y 1		Gutted
5/21/2005	LKTR	448		F				N 0		Gutted
5/21/2005	LKTR	534	1629					Y 1		
5/21/2005	LKTR	469		F				Y 2		Gutted
5/21/2005	LKTR	480	1430	M				Y 2	shr. Ins. (Chiron)	
5/21/2005	LKTR	435	1139	F	M			Y 2	Shr. Ins.	
5/21/2005	LKTR	415	897					Y 1	Shr. Ins.	
5/21/2005	LKTR	507	1494	F	M			N 0	Shr. Ins.	
5/21/2005	LKTR	635	2520					N 0		
5/21/2005	LKTR	415	800	F	M			Y 2	Shr. Ins.	
5/22/2005	LKTR	555	1660	F	M			N 0	Shr. Ins.	
5/22/2005	LKTR	442	754	M					Shr. Chron.	
5/22/2005	LKTR	470	654					N 0	No	
5/22/2005	LKTR	418	735	F	M	N		Y 1	Shr. chiron.	
5/22/2005	LKTR	409	620	F	M	N		N 0	Shr. chiron.	
5/22/2005	LKTR	487	1404			N				
5/22/2005	LKTR	477	1204			N				
5/22/2005	LKTR	412	914			N				
5/22/2005	LKTR	402	648			N				
5/22/2005	LKTR	425	1009	M	M	N		Y 2	MT	
5/22/2005	LKTR	442	992	M		N		Y 1	Shr. chiron.	
5/22/2005	LKTR	486	994	M		N		N 0	Shr. chiron.	
5/22/2005	LKTR	531	1365	F	M	N		Y 1	Shr. chiron.	
5/22/2005	LKTR	443	1034	M	M	N		Y 1	biv. shr. chiron.	
5/22/2005	LKTR	440	952	M	M	Y	DD2	N 0	shr. aquatic veg	
5/22/2005	LKTR	421	878	F	M	N		Y 2	biv. shr. chiron.	
5/22/2005	LKTR	583	1936	M		N		Y 1	Shr. chiron.	
5/22/2005	LKTR	436	945	M		N		N 0	Shr. chiron.	
5/22/2005	LKTR	422	783	M		N		N 0	Shr. chiron.	
5/22/2005	LKTR	476	1388	M	M	N		Y 2	shr. chiron.	

Date	Species	FL (mm)	Wt (g)	Sex (M/F/U)	Maturity (I/M)	Adipose Clip (Y/N)	Tag #	Otoliths (Y/N, #)	Stomach Contents	Notes
									Sig	
5/22/2005	LKTR	426				N		N 0		Gutted
5/22/2005	LKTR	425				N		N 0		Gutted
5/22/2005	LKTR	418						N 0		Gutted
5/23/2005	LKTR	521	1591	F	M	N		Y 2	N shr. chiron.	
5/23/2005	LKTR	496	1146	F	M	N		Y 2	Shr. chiron.	
5/23/2005	LKTR	512	1241	M	M	N		Y 2	shr. chiron. aquatic veg.	
5/23/2005	LKTR	444	991	M	M	N		Y 2	aquatic veg. Shr. chiron.	
5/23/2005	LKTR	574	2056	F	M	N		Y 2	Shr. chiron.	
5/24/2005	LKTR	426	876	M	M	N		N 0	Shr. chiron.	
5/24/2005	LKTR	422	1014	F	M	N		Y 2	Shr. chiron.	
5/24/2005	LKTR	958	8540			N				Getting Mounted
5/25/2005	LKTR	443	1060	F	M	N		Y 2	bloodworm shr. chiron. Biv.	
5/25/2005	LKTR	433	966	F	I	N		Y 2	shr. chiron. Bloodworm	
5/25/2005	LKTR	431	952	M	M	N		Y 2	Shr. chiron.	
5/25/2005	RMWH	455	1037	F	M	N		Y 1	chiron.	
5/25/2005	LKTR	474	1226	M	M	N		Y 2	Shr. chiron.	
5/25/2005	LKTR	474	1249	F	M	N		Y 1	Shr. chiron.	
5/25/2005	LKTR	494	1360	M	M	N		Y 1	Shr. chiron.	
5/25/2005	LKTR	485	1391	F	M	N		Y 1	chiron. shr.	
5/25/2005	LKTR	413	740					N		
5/25/2005	LKTR	450	960					N		
5/25/2005	LKTR	394	555					N		
5/25/2005	LKTR	413	810					N		
5/25/2005	LKTR	422	875					N		
5/25/2005	LKTR	524	1681					N		
5/26/2005	LKTR	453	860	M	M	N		Y 2	Shr. chiron.	
5/26/2005	LKTR	484	1114	M	M	N		Y 2	RNW shr. chiron.	
5/26/2005	LKTR	430	951	F	M	N		N	Shr. chiron.	rush
5/26/2005	LKTR	389	752	M	M	N		N	Shr. chiron.	rush
5/27/2005	LKTR	480	952					N		
5/27/2005	LKTR	459	1097					N		
5/27/2005	LKTR	507	1404					N		
5/27/2005	LKTR	451	903					N		
5/27/2005	RMWH	421	831					N		
5/27/2005	LKTR	445	995	M	M	N		Y 2	shr. chiron. Fine needle	
5/27/2005	LKTR	434	873	F	M	N		Y 1	Shr. chiron.	
5/27/2005	LKTR	388	658	F	M	N		Y 1	Shr. chiron.	
5/28/2005	LKTR	435	867	M	M	N		Y 1	Shr. chiron.	
5/28/2005	LKTR	365	597	F	M	N		Y 1	Shr. chiron.	
5/28/2005	LKTR	453	919	F	M	N		Y 1	Shr. chiron.	
5/28/2005	LKTR	575	2073	M	M	N		Y 1	whitefish	

Date	Species	FL (mm)	Wt (g)	Sex (M/F/U)	Maturity (I/M)	Adipose Clip (Y/N)	Tag #	Otoliths (Y/N, #)	Stomach Contents	Notes
									shr.	
5/28/2005	LKTR	501	1908	M	M	N		Y 2	Shr.	
5/28/2005	LKTR	503	1642	F	M	N		Y 2	veg. Caddis fly	
5/28/2005	LKTR	510	1783	M	M	N		Y 2	Shr. chiron.	
5/28/2005	LKTR	460	1476	M	M	N		Y 2	Shr. chiron.	
5/28/2005	LKTR	486	1606	M	M	N		Y 1	Shr.	
5/28/2005	LKTR	431				N		Y 2		Gutted
5/28/2005	LKTR	532	2050	F	M	N		Y 1	Shr. chiron.	
5/28/2005	LKTR	488	1343	F	M	N		Y 2	Shr. chiron.	
5/28/2005	LKTR	627	2209	F	M	N		Y 1	MT	
6/4/2005	LKTR	597	1668	F	M	N		Y 1	caddis smfish	
6/4/2005	LKTR	466	1157	F	M	N		Y 2	chiron. shr.	
6/4/2005	LKTR	522	1926	F	M	N		Y 1	Shr.	
6/4/2005	LKTR	429	737	F	M	N		Y 1	Shr.	
6/4/2005	LKTR	463	1745	M	M	N		Y 1	Shr. chiron.	
6/4/2005	LKTR	573	2068	M	M	N		Y 2	Shr. chiron.	
6/4/2005	LKTR	461	1080	F	M	N		N	shr. chiron. Caddis	
6/4/2005	LKTR	502	1909	F	M	N		Y 1	Shr. chiron.	
6/4/2005	LKTR	470	1047	M	M	N		Y 2	Shr. chiron.	
6/4/2005	LKTR	467	1011	M	M	N		Y 2	Shr. chiron.	
6/4/2005	LKTR	438	925							late at night
6/9/2005	LKTR	485								guide
6/9/2005	LKTR	568								personal trip, filleted
6/9/2005	LKTR	575								guide personal trip, filleted
6/9/2005	LKTR	530	1791	F	M	N		Y 1	Shr. chiron.	
6/9/2005	LKTR	462	1295	M	M			Y 1	Shr. chiron.	
6/9/2005	LKTR	430	861	F	M	N		Y 1	Shr. chiron.	BF
6/9/2005	LKTR	430	1045	M	M	N		Y 1	Shr. chiron.	
6/9/2005	LKTR	431	960	M	M	N		N	Shr. chiron.	no time
6/9/2005	LKTR	499	1834	M	M	N		Y 2	Shr. chiron.	
6/10/2005	LKTR	459	1245	F	M	N		Y 2	Shr. chiron.	
6/10/2005	LKTR	456	1106	F	M	N		Y 2	Shr. chiron.	
6/10/2005	LKTR	450	1051			N		Y 1		shr. chiron. In mouth
6/10/2005	LKTR	466	1182			N		Y 2		shr. chiron. In mouth
6/10/2005	LKTR	505	1235			N		Y 2		shr. chiron. In mouth
6/10/2005	LKTR	335	398	M	M	N		Y 2	Shr. chiron.	
6/10/2005	LKTR	435	1106	F	M	N		Y 1	Shr. chiron.	
6/10/2005	LKTR	571	1657	F	M	N		Y 2	MT	
6/10/2005	LKTR	439	929	M	M	N		Y 1	Shr. chiron.	

Date	Species	FL (mm)	Wt (g)	Sex (M/F/U)	Maturity (I/M)	Adipose Clip (Y/N)	Tag #	Otoliths (Y/N, #)	Stomach Contents	Notes
6/10/2005	LKTR	525	1468	F	M	N		Y 1	Shr. chiron.	
6/12/2005	LKTR	440	793	F	M	N		Y 2	MT	Wapiti sports
6/12/2005	LKTR	482	1061	F	M	N		N	MT	Wapiti sports
6/12/2005	LKTR	391	734	F	M	N		Y 2	MT	Wapiti sports
6/12/2005	LKTR	397	768	F	M	N		Y 1	MT	Wapiti sports
6/12/2005	LKTR	395	752	F	M	N			MT	Wapiti sports
6/12/2005	LKTR	467	992	F	M	N			MT	
6/12/2005	LKTR	428	938	F	M	N		Y 2	Shr. chiron.	
6/19/2005	LKTR	415	802							
6/19/2005	LKTR	409	756							
6/19/2005	LKTR	470	1116							
6/19/2005	LKTR	445	1085							
6/19/2005	LKTR	489	1234							
6/19/2005	LKTR	491	1471							
6/19/2005	LKTR	578	1696							
6/19/2005	LKTR	471	1100							
6/19/2005	LKTR	479								Gutted
6/19/2005	LKTR	421	939							Sample # is duplicated
6/19/2005	LKTR	450	1099							Sample # is duplicated
6/19/2005	LKTR	444	1070	M	M	N		Y 2	Shr. chiron.	Sample # is duplicated
6/20/2005	LKTR	498	1066	F	M	N		Y 2	Shr. chiron.	Sample # is duplicated
6/20/2005	LKTR	430	961			N				
6/20/2005	LKTR	440	1124			N				
6/20/2005	LKTR	448	1196			N				
6/20/2005	LKTR	443	943			N				
6/20/2005	LKTR	453	1077			N				
6/20/2005	LKTR	448	1087			N				
6/20/2005	LKTR	567	1861			N				
6/21/2005	LKTR	455	1111	M	M	N		Y 1	shr. chiron. Jig grub	
6/21/2005	LKTR	496	1503	M	M	N		Y 2	Shr. chiron.	
6/24/2005	LKTR	619	2693			N				
6/24/2005	LKTR	454	923			N				
6/24/2005	LKTR	431	1019			N				
6/24/2005	LKTR	515	1655			N				
6/25/2005	LKTR	469	1119			N		Y 1	pine needles chiron.	
6/25/2005	LKTR	511	1392	F	M	N		Y 1	Shr. chiron.	
6/25/2005	LKTR	431	851	M	M	N		Y 1	Shr. chiron.	
6/25/2005	LKTR	494	1325	F	M	N		Y 2	shr. chiron. Pine needles	
6/25/2005	LKTR	498	1250	M	M	N		Y 2	shr. Jig body chiron.	
6/25/2005	LKTR	501	1328	F	M	N		Y 2	MT	

Date	Species	FL (mm)	Wt (g)	Sex (M/F/U)	Maturity (I/M)	Adipose Clip (Y/N)	Tag #	Otoliths (Y/N, #)	Stomach Contents	Notes
6/25/2005	LKTR	470	1059			N				
6/25/2005	LKTR	440	1116			N				
6/25/2005	LKTR	475	1142	F	M	N		Y 2	shr. chiron.	
6/25/2005	LKTR	372	542			N				
6/25/2005	LKTR	360	545			N				
6/25/2005	LKTR	535	1791			N				
6/25/2005	LKTR	456	1102			N				
6/26/2005	LKTR	441	938			N				
6/26/2005	LKTR	449	1018			N				
6/26/2005	LKTR	477	1057			N				
6/26/2005	LKTR	420	981			N				
6/26/2005	LKTR	444	979	M	M	N		Y 2	shr. chiron.	
6/26/2005	LKTR	666	3207	F	M	N		Y 2	shr. Digested fish	
6/26/2005	LKTR	488	1329	M	M	N		Y 2	shr. chiron.	
7/1/2005	LKTR	438	761	M	M	N		Y 1	Empty	
7/1/2005	LKTR	554	2009	M	M	N		Y 2	shr. chiron.	
7/1/2005	LKTR	433	971	F	M	N		Y 2	chiron. Shr.	
7/1/2005	LKTR	450	1300	M	M	N		Y 2	shr. chiron.	
7/1/2005	LKTR	475	1237	F	M	N				
7/1/2005	LKTR	497	1447	M	M	N				
7/1/2005	LKTR	467	1251	F	M	N				
7/1/2005	LKTR	459	1078			N				
7/1/2005	LKTR	480	1549			N				
7/1/2005	LKTR	425	804			N				
7/1/2005	LKTR	455	1021			N				
7/1/2005	LKTR	412	764			N				
7/1/2005	LKTR	408	764	M	M	N			shr. chiron.	
7/2/2005	LKTR	380	658			N				
7/2/2005	LKTR	444	1051			N				
7/2/2005	LKTR	525	1603			N				
7/3/2005	LKTR	506	1511			N				
7/3/2005	LKTR	517	1799			N				
7/3/2005	LKTR	425	1035			N				
7/3/2005	LKTR	483	1303	F	M	N		Y 2	shr. chiron.	
7/3/2005	LKTR	467	1103	F	M	N		Y 1	shr. chiron.	
7/3/2005	LKTR	555	1493	M	M	N		Y 2	MT	
7/3/2005	LKTR	449	1241	F	M	N		Y 2	shr. chiron.	
7/3/2005	LKTR	495	1172	M	M	N		Y 1	MT	
7/3/2005	LKTR	483	1517	M	M	N		Y 2	shr. chiron. Jig	
7/3/2005	LKTR	387	592	M	M	N		Y 2	shr. chiron.	
7/3/2005	LKTR	367	612	M	M	N		Y 1	shr. chiron.	
7/4/2005	LKTR	493	1717			N				
7/4/2005	LKTR	404	784			N				
7/4/2005	LKTR	384	647	M	M	N		Y 1	shr.	
7/4/2005	LKTR	430	982	F	M	N		Y 2	shr. chiron.	
7/4/2005	LKTR	458	1067	F	M	N		Y 2	shr. chiron.	

Date	Species	FL (mm)	Wt (g)	Sex (M/F/U)	Maturity (I/M)	Adipose Clip (Y/N)	Tag #	Otoliths (Y/N, #)	Stomach Contents	Notes
7/5/2005	LKTR	399	701	M	M	N		Y 2	MT	
7/5/2005	LKTR	395	711			N				
7/5/2005	LKTR	435	744	F	M	N		Y 2	MT	
7/5/2005	LKTR	405	664	F	M	N		Y 2	MT	
7/6/2005	LKTR	418	742	M	M	N		Y 1	MT	
7/6/2005	LKTR	397	730	M	M	N		Y 1	shr. chiron.	
7/6/2005	LKTR	384	601	F	M	N			shr. chiron.	
7/6/2005	LKTR	435		F	M	N		Y 1	shr.	check original data sheet for weight
7/6/2005	LKTR	443	1008	M	M	N		N	shr. chiron.	
7/8/2005	LKTR	433	872	M	M	N		Y 2	MT	
7/8/2005	LKTR	440	835	M	M	N		Y 2	MT	
7/8/2005	LKTR	483	1434	M	M	N		Y 1	shr. chiron.	
7/8/2005	LKTR	450	1117	F	M	N		N	shr. chiron.	
7/8/2005	LKTR	342	381	M	M	N		N	MT	
7/8/2005	LKTR	415	783	M	M	N		Y 2	shr. chiron.	
7/8/2005	LKTR	500	1269	M	M	N		Y 1	shr. chiron.	
7/8/2005	LKTR	500	1234	F	M	N		Y 2	shr. chiron.	
7/8/2005	LKTR	565	1761	M	M	N		Y 1	Jig shr.	
7/9/2005	LKTR	384	629			N				
7/9/2005	LKTR	400	760			N				
7/9/2005	LKTR	401	750			N				
7/9/2005	LKTR	364	575			N				
7/9/2005	LKTR	428	668	M	M	N		Y 1	Empty	
7/9/2005	LKTR	466	975	M	M	N		Y 1	MT	
7/10/2005	LKTR	456	1045	F	M	N		Y 2	pine needle chiron. Shr.	
7/10/2005	LKTR	427	1021	F	M	N		Y 2	shr. Caddis	
7/10/2005	LKTR	466	1336			N				
7/10/2005	LKTR	501	1767	M	M	N		Y 2	mayfly, shr. chiron.	
7/10/2005	LKTR	496	1422	M	M	N		Y 2	shr. chiron.	
7/15/2005	LKTR	433	920	F	M	N		Y 2	shr. chiron.	
7/15/2005	LKTR	385	662	F	I	N		Y 2	shr. chiron.	
7/15/2005	LKTR	481	1136	M	M	N		Y 1	shr. chiron.	
7/16/2005	LKTR	407	822			N				
7/16/2005	LKTR	566	1852			N				
7/16/2005	LKTR	457	1067			N				
7/16/2005	LKTR	498	1626			N				
7/16/2005	LKTR	451	1030			N				
7/16/2005	LKTR	414	746			N				
7/17/2005	LKTR	458	1219			N				
7/17/2005	LKTR	338	396			N				
7/17/2005	LKTR	400	879			N				
7/17/2005	LKTR	454	1121			N				
7/21/2005	LKTR	345	403	F	M	N		Y 2	shr. chiron.	
7/21/2005	LKTR	394	624	M	M	N		Y 2	shr. chiron. Pine	

Date	Species	FL (mm)	Wt (g)	Sex (M/F/U)	Maturity (I/M)	Adipose Clip (Y/N)	Tag #	Otoliths (Y/N, #)	Stomach Contents	Notes
7/21/2005	LKTR	431	927	F	M	N		Y 2	needles shr. chiron.	
7/29/2005	LKTR	398	661	F	M	N		Y 1	BIV pine needles, shr.	
7/29/2005	LKTR	370	561	M	M	N		Y 2	shr. chiron.	
7/30/2005	LKTR	711	4190			N		Y 2		
7/31/2005	LKTR	420	847	M	M	N			shr. chiron.	
8/3/2005	LKTR	346	515			N				
8/6/2005	LKTR	809	6880	F	M	N		Y 2	13int digested fish	
8/7/2005	LKTR	470	1471			N				
8/7/2005	LKTR	446	874							
8/13/2005	LKTR	425	866	F	M	N			shr. chiron.	
8/13/2005	LKTR	379	555	F	M	N				
8/13/2005	LKTR	475	1400	F	M	N				
8/13/2005	LKTR	570	2010							
8/13/2005	LKTR	447	865							
8/13/2005	LKTR	412	691							
8/14/2005	LKTR	436	911							
8/14/2005	LKTR	422	852							
8/14/2005	LKTR	484	1398							
8/14/2005	LKTR	391	658							
8/14/2005	LKTR	400	701							
8/21/2005	LKTR	510	1762							
8/21/2005	LKTR	446	874							
8/21/2005	LKTR	488	1381							
8/21/2005	LKTR	423	836							
8/28/2005	LKTR	386	562							
8/28/2005	LKTR	448	872							
9/1/2005	LKTR	427	720	M	M	N		N		empty
9/1/2005	LKTR	460	1080	F	M	N		N		empty
9/2/2005	LKTR	421	794	F	I	N		Y 1		
9/2/2005	LKTR	576	2026	F	I	N				
9/2/2005	LKTR	430	1024	F	M					
9/2/2005	LKTR	445	1070	M						
9/4/2005	LKTR	440	996	F	M	N				shr.
9/4/2005	LKTR	432	918	M	M	N				

Appendix 10. Biological data collected from fish harvested by guided anglers on Lake Minnewanka in the summer of 2005. Species codes: LKTR = lake trout, RMWH = Rocky Mountain whitefish; Guide Company codes: M Tours Tours, BFU = Banff Fishing Unlimited.

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
5/23/2005	M Tours	1	LKTR	1	456	Released
5/23/2005	M Tours	1	LKTR	2	472	Released
5/25/2005	BFU	1	LKTR	1	600	Released
5/25/2005	BFU	1	LKTR	2	480	Released
5/25/2005	BFU	1	LKTR	3	510	Released
5/26/2005	M Tours	1	LKTR	1	447	Kept
5/27/2005	M Tours	1	LKTR	1	509	Kept
5/27/2005	BFU	1	LKTR	1	470	Released
5/27/2005	BFU	1	LKTR	2	475	Released
5/27/2005	BFU	1	LKTR	3	700	Released
5/27/2005	BFU	1	LKTR	4	420	Released
5/27/2005	BFU	1	LKTR	5	425	Released
5/27/2005	BFU	1	LKTR	6	425	Released
5/27/2005	BFU	1	LKTR	7	520	Released
5/27/2005	M Tours	1	RMWH		414	
5/27/2005	M Tours	1	RMWH		444	
5/28/2005	M Tours	1	LKTR	1	447	Kept
5/28/2005	M Tours	2	LKTR	1	539	Kept
5/28/2005	M Tours	2	LKTR	2	483	Kept
5/30/2005	BFU	1	LKTR	1	520	Kept
5/30/2005	BFU	2	LKTR	1	470	Released
5/30/2005	BFU	1	LKTR	2	500	Kept
5/30/2005	BFU	2	LKTR	2	440	Released
5/30/2005	BFU	1	LKTR	3	500	Kept
5/30/2005	BFU	2	LKTR	3	450	Released
5/30/2005	BFU	1	LKTR	4	470	Kept
6/1/2005	BFU	2	LKTR	1	480	Kept
6/1/2005	BFU	2	LKTR	2	510	Kept
6/1/2005	BFU	2	LKTR	3	590	Kept
6/3/2005	BFU	2	LKTR	1	420	Released
6/3/2005	BFU	2	LKTR	2	430	Released
6/3/2005	BFU	2	LKTR	3	470	Released
6/3/2005	BFU	2	LKTR	4	450	Released
6/4/2005	M Tours	1	LKTR	1	409	Kept
6/4/2005	M Tours	2	LKTR	1	506	Released
6/4/2005	M Tours	1	LKTR	2	536	Kept
6/4/2005	M Tours	2	LKTR	2	461	Released
6/4/2005	M Tours	2	LKTR	3	428	Released
6/4/2005	M Tours	2	LKTR	4	395	Released
6/4/2005	M Tours	1	RMWH		463	

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
6/7/2005	M Tours	1	LKTR	1	531	Kept
6/7/2005	M Tours	2	LKTR	1	562	Kept
6/7/2005	M Tours	3	LKTR	1	493	Released
6/7/2005	M Tours	4	LKTR	1	486	Kept
6/7/2005	M Tours	1	LKTR	2	460	Kept
6/7/2005	M Tours	3	LKTR	2	427	Released
6/7/2005	M Tours	4	LKTR	2	503	Kept
6/7/2005	M Tours	4	LKTR	3	510	Kept
6/10/2005	M Tours	1	LKTR	1	512	Kept
6/10/2005	BFU	1	LKTR	1	440	Kept
6/10/2005	M Tours	2	LKTR	1	450	Kept
6/10/2005	BFU	1	LKTR	2	560	Kept
6/10/2005	M Tours	2	LKTR	2	400	Kept
6/10/2005	BFU	1	RMWH		330	Released
6/10/2005	BFU	1	RMWH		500	Kept
6/10/2005	BFU	1	RMWH		440	Kept
6/10/2005	BFU	1	RMWH		460	Released
6/10/2005	BFU	1	RMWH		470	Released
6/10/2005	BFU	1	RMWH		410	Released
6/11/2005	M Tours	1	LKTR	1	473	Kept
6/11/2005	M Tours	2	LKTR	1	459	Kept
6/11/2005	M Tours	3	LKTR	1	450	Kept
6/11/2005	M Tours	4	LKTR	1	502	Kept
6/11/2005	M Tours	2	LKTR	2	489	Kept
6/11/2005	M Tours	4	LKTR	2	457	Kept
6/11/2005	M Tours	2	LKTR	3	495	Kept
6/11/2005	M Tours	2	LKTR	4	541	Kept
6/12/2005	M Tours	1	LKTR	1	493	Kept
6/12/2005	BFU	2	LKTR	1	480	Kept
6/12/2005	M Tours	1	LKTR	2	437	Kept
6/12/2005	BFU	2	LKTR	2	470	Kept
6/12/2005	BFU	2	LKTR	3	330	Released
6/12/2005	BFU	2	LKTR	4	410	Released
6/12/2005	BFU	2	LKTR	5	440	Released
6/12/2005	BFU	2	LKTR	6	440	Kept
6/12/2005	BFU	2	LKTR	7	480	Kept
6/12/2005	M Tours	1	RMWH		404	Kept
6/12/2005	M Tours	1	RMWH		113	Kept
6/13/2005	BFU	3	LKTR	1	410	Released
6/13/2005	M Tours	1	LKTR	1	498	Kept
6/13/2005	M Tours	2	LKTR	1	489	Kept
6/13/2005	BFU	3	LKTR	2	420	Released
6/13/2005	M Tours	1	LKTR	2	546	Kept
6/13/2005	BFU	3	LKTR	3	410	Released
6/13/2005	BFU	3	LKTR	4	530	Released
6/13/2005	BFU	3	LKTR	5	470	Released
6/13/2005	BFU	3	LKTR	6	450	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
6/13/2005	BFU	2	RMWH		394	
6/13/2005	BFU	2	RMWH		412	
6/14/2005	BFU	1	LKTR	1	530	Kept
6/14/2005	BFU	2	LKTR	1	530	Kept
6/14/2005	BFU	1	LKTR	2	540	Kept
6/14/2005	BFU	2	LKTR	2	480	Kept
6/14/2005	BFU	1	LKTR	3	510	Released
6/14/2005	BFU	2	LKTR	3	410	Kept
6/14/2005	BFU	1	LKTR	4	560	Kept
6/14/2005	BFU	2	LKTR	4	500	Kept
6/14/2005	BFU	1	LKTR	5	840	Released
6/14/2005	BFU	1	LKTR	6	570	Released
6/14/2005	BFU	1	LKTR	7	610	Kept
6/14/2005	BFU	1	LKTR	8	510	Released
6/14/2005	BFU	1	LKTR	9	670	Released
6/14/2005	BFU	1	LKTR	10	710	Released
6/14/2005	BFU	1	LKTR	11	610	Released
6/14/2005	BFU	1	LKTR	12	540	Released
6/15/2005	BFU	1	LKTR	1	520	Kept
6/15/2005	BFU	2	LKTR	1	650	Kept
6/15/2005	BFU	3	LKTR	1	470	Released
6/15/2005	M Tours	1	LKTR	1	491	Kept
6/15/2005	BFU	1	LKTR	2	470	Kept
6/15/2005	BFU	2	LKTR	2	470	Kept
6/15/2005	BFU	3	LKTR	2	420	Released
6/15/2005	BFU	1	LKTR	3	430	Kept
6/15/2005	BFU	2	LKTR	3	435	Kept
6/15/2005	BFU	3	LKTR	3	440	Kept
6/15/2005	BFU	1	LKTR	4	490	Kept
6/15/2005	BFU	2	LKTR	4	550	Kept
6/15/2005	BFU	3	LKTR	4	450	Kept
6/15/2005	BFU	1	LKTR	5	460	Kept
6/15/2005	BFU	2	LKTR	5	510	Kept
6/15/2005	BFU	1	LKTR	6	490	Kept
6/15/2005	BFU	2	LKTR	6	450	Released
6/15/2005	BFU	1	LKTR	7	490	Kept
6/15/2005	BFU	2	LKTR	7	430	Kept
6/15/2005	BFU	2	LKTR	8	475	Kept
6/15/2005	BFU	2	LKTR	9	440	Released
6/15/2005	BFU	2	LKTR	10	450	Kept
6/15/2005	BFU	1	RMWH		430	Kept
6/16/2005	BFU	1	LKTR	1	470	Released
6/16/2005	M Tours	1	LKTR	1	460	Kept
6/16/2005	BFU	1	LKTR	2	480	Released
6/16/2005	M Tours	1	LKTR	2	545	Kept
6/16/2005	BFU	1	LKTR	3	460	Released
6/16/2005	M Tours	1	LKTR	3	415	Kept

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
6/16/2005	BFU	1	LKTR	4	470	Kept
6/16/2005	M Tours	1	LKTR	4	379	Kept
6/16/2005	BFU	1	LKTR	5	510	Kept
6/16/2005	BFU	1	LKTR	6	490	Kept
6/16/2005	BFU	1	LKTR	7	530	Kept
6/17/2005	BFU	1	LKTR	1	460	Released
6/17/2005	BFU	1	LKTR	2	470	Kept
6/17/2005	BFU	1	RMWH		250	Released
6/18/2005	BFU	1	LKTR	1	470	Kept
6/18/2005	BFU	1	LKTR	2	420	Released
6/18/2005	BFU	1	LKTR	3	450	Kept
6/18/2005	BFU	1	LKTR	4	430	Released
6/18/2005	BFU	1	LKTR	5	455	Released
6/18/2005	BFU	1	LKTR	6	435	Released
6/20/2005	M Tours	1	LKTR	1	532	Kept
6/20/2005	M Tours	1	LKTR	2	477	Kept
6/21/2005	M Tours	1	LKTR	1	495	Kept
6/21/2005	M Tours	2	LKTR	1	512	Kept
6/21/2005	M Tours	1	LKTR	2	471	Kept
6/21/2005	M Tours	2	LKTR	2	476	Kept
6/21/2005	M Tours	2	LKTR	3	390	Kept
6/21/2005	M Tours	2	LKTR	4	410	Kept
6/22/2005	BFU	1	LKTR	1	450	Released
6/22/2005	BFU	1	LKTR	2	390	Released
6/22/2005	BFU	1	LKTR	3	370	Released
6/22/2005	BFU	1	LKTR	4	400	Released
6/22/2005	BFU	1	LKTR	5	390	Released
6/22/2005	BFU	1	LKTR	6	430	Released
6/22/2005	BFU	1	LKTR	7	410	Released
6/22/2005	BFU	1	LKTR	8	360	Released
6/24/2005	BFU	2	LKTR	1	370	Released
6/24/2005	BFU	4	LKTR	1	420	Released
6/24/2005	BFU	5	LKTR	1	410	Released
6/24/2005	BFU	2	LKTR	2	420	Released
6/24/2005	BFU	4	LKTR	2	590	Released
6/24/2005	BFU	5	LKTR	2	390	Released
6/24/2005	BFU	2	LKTR	3	400	Released
6/24/2005	BFU	4	LKTR	3	470	Released
6/24/2005	BFU	5	LKTR	3	330	Released
6/24/2005	BFU	2	LKTR	4	410	Released
6/24/2005	BFU	4	LKTR	4	380	Released
6/24/2005	BFU	5	LKTR	4	420	Kept
6/24/2005	BFU	2	LKTR	5	560	Released
6/24/2005	BFU	4	LKTR	5	430	Released
6/24/2005	BFU	5	LKTR	5	370	Kept
6/24/2005	BFU	2	LKTR	6	420	Released
6/24/2005	BFU	4	LKTR	6	470	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
6/24/2005	BFU	5	LKTR	6	310	Released
6/24/2005	BFU	2	LKTR	7	390	Released
6/24/2005	BFU	4	LKTR	7	430	Released
6/24/2005	BFU	5	LKTR	7	330	Released
6/24/2005	BFU	2	LKTR	8	390	Released
6/24/2005	BFU	4	LKTR	8	450	Released
6/24/2005	BFU	5	LKTR	8	420	Released
6/24/2005	BFU	2	LKTR	9	390	Released
6/24/2005	BFU	4	LKTR	9	430	Released
6/24/2005	BFU	5	LKTR	9	430	Released
6/24/2005	BFU	2	LKTR	10	420	Released
6/24/2005	BFU	4	LKTR	10	455	Released
6/24/2005	BFU	5	LKTR	10	370	Released
6/24/2005	BFU	2	LKTR	11	450	Released
6/24/2005	BFU	2	LKTR	12	400	Released
6/24/2005	BFU	2	LKTR	13	410	Released
6/24/2005	BFU	2	RMWH		320	
6/24/2005	BFU	2	RMWH		320	
6/24/2005	BFU	4	RMWH		370	Released
6/25/2005	BFU	1	LKTR	1	430	Released
6/25/2005	BFU	1	LKTR	2	470	Kept
6/25/2005	BFU	1	LKTR	3	510	Kept
6/25/2005	BFU	1	LKTR	4	420	Released
6/25/2005	BFU	1	LKTR	5	460	Kept
6/25/2005	BFU	1	LKTR	6	440	Released
6/25/2005	BFU	1	LKTR	8	430	Kept
6/25/2005	BFU	1	LKTR	9	370	Released
6/25/2005	BFU	1	LKTR	11	420	Released
6/25/2005	BFU	1	LKTR	12	430	Released
6/25/2005	BFU	1	LKTR	13	470	Kept
6/25/2005	BFU	1	LKTR	14	460	Released
6/25/2005	BFU	1	LKTR	15	430	Released
6/25/2005	BFU	1	LKTR	16	430	Released
6/25/2005	BFU	1	LKTR	17	470	Released
6/25/2005	BFU	1	LKTR	18	490	Released
6/25/2005	BFU	1	LKTR	19	370	Released
6/25/2005	BFU	1	LKTR	20	440	Released
6/25/2005	BFU	1	RMWH	7	350	Released
6/25/2005	BFU	1	RMWH	10	390	Released
6/26/2005	BFU	4	LKTR	1	420	Released
6/26/2005	BFU	4	LKTR	2	430	Released
6/26/2005	BFU	4	LKTR	3	280	Released
6/26/2005	BFU	4	LKTR	4	430	Released
6/26/2005	BFU	4	LKTR	5	480	Kept
6/26/2005	BFU	4	LKTR	6	450	Kept
6/26/2005	BFU	4	LKTR	7	440	Kept
6/26/2005	BFU	4	LKTR	8	460	Kept

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
6/27/2005	BFU	1	LKTR	1	370	Released
6/27/2005	BFU	2	LKTR	1	440	Released
6/27/2005	M Tours	1	LKTR	1	425	Kept
6/27/2005	BFU	1	LKTR	2	410	Released
6/27/2005	BFU	2	LKTR	2	300	Released
6/27/2005	M Tours	1	LKTR	2	436	Kept
6/27/2005	BFU	1	LKTR	3	390	Released
6/27/2005	BFU	2	LKTR	3	320	Released
6/27/2005	BFU	1	LKTR	4	390	Released
6/27/2005	BFU	1	LKTR	5	350	Released
6/27/2005	BFU	1	LKTR	6	300	Released
6/27/2005	BFU	1	LKTR	7	450	Released
6/27/2005	BFU	1	LKTR	8	420	Released
6/27/2005	BFU	1	RMWH		390	Released
6/28/2005	BFU	2	LKTR	1	390	Kept
6/28/2005	BFU	3	LKTR	1	439	Released
6/28/2005	BFU	4	LKTR	1	440	Released
6/28/2005	BFU	2	LKTR	2	430	Kept
6/28/2005	BFU	3	LKTR	2	470	Released
6/28/2005	BFU	4	LKTR	2	470	Released
6/28/2005	BFU	2	LKTR	3	380	Kept
6/28/2005	BFU	3	LKTR	3	468	Released
6/28/2005	BFU	4	LKTR	3	470	Released
6/28/2005	BFU	2	LKTR	4	450	Kept
6/28/2005	BFU	3	LKTR	4	423	Released
6/28/2005	BFU	4	LKTR	4	490	Released
6/28/2005	BFU	3	LKTR	5	520	Released
6/28/2005	BFU	3	LKTR	6	484	Released
6/28/2005	BFU	3	LKTR	7	460	Released
6/29/2005	BFU	1	LKTR	1	430	Released
6/29/2005	BFU	2	LKTR	1	470	Released
6/29/2005	BFU	1	LKTR	2	450	Released
6/29/2005	BFU	2	LKTR	2	420	Released
6/29/2005	BFU	1	LKTR	3	410	Released
6/29/2005	BFU	2	LKTR	3	430	Released
6/29/2005	BFU	1	LKTR	4	440	Released
6/29/2005	BFU	2	LKTR	4	370	Released
6/29/2005	BFU	1	LKTR	5	470	Released
6/29/2005	BFU	2	LKTR	5	480	Released
6/29/2005	BFU	1	LKTR	6	460	Released
6/29/2005	BFU	2	LKTR	6	460	Released
6/29/2005	BFU	1	LKTR	7	420	Released
6/29/2005	BFU	1	LKTR	8	440	Released
6/29/2005	BFU	1	LKTR	9	910	Released
6/29/2005	BFU	1	LKTR	10	430	Released
6/29/2005	BFU	1	LKTR	11	510	Released
6/30/2005	M Tours	1	LKTR	1	496	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
6/30/2005	M Tours	2	LKTR	1	434	Released
6/30/2005	BFU	1	LKTR	1	440	Released
6/30/2005	M Tours	1	LKTR	2	487	Released
6/30/2005	M Tours	2	LKTR	2	426	Released
6/30/2005	BFU	1	LKTR	2	470	Released
6/30/2005	M Tours	1	LKTR	3	468	Released
6/30/2005	M Tours	2	LKTR	3	453	Released
6/30/2005	BFU	1	LKTR	3	460	Released
6/30/2005	M Tours	2	LKTR	4	485	Released
6/30/2005	BFU	1	LKTR	4	390	Released
6/30/2005	BFU	1	LKTR	5	750	Released
6/30/2005	BFU	1	LKTR	6	490	Released
6/30/2005	BFU	1	LKTR	7	430	Released
6/30/2005	BFU	1	LKTR	8	520	Released
7/1/2005	M Tours	1	LKTR	1	434	Kept
7/1/2005	M Tours	2	LKTR	1	445	Kept
7/1/2005	BFU	1	LKTR	1	420	Released
7/1/2005	BFU	2	LKTR	1	430	Kept
7/1/2005	M Tours	1	LKTR	2	501	Kept
7/1/2005	BFU	1	LKTR	2	330	Released
7/1/2005	BFU	2	LKTR	2	420	Kept
7/1/2005	BFU	1	LKTR	3	380	Released
7/1/2005	BFU	2	LKTR	3	320	Released
7/1/2005	BFU	1	LKTR	4	430	Released
7/1/2005	BFU	2	LKTR	4	370	Kept
7/1/2005	BFU	1	LKTR	5	310	Released
7/1/2005	BFU	2	LKTR	5	420	Kept
7/1/2005	BFU	1	LKTR	6	440	Released
7/1/2005	BFU	2	LKTR	6	390	Kept
7/2/2005	BFU	1	LKTR	1	510	Kept
7/2/2005	BFU	1	LKTR	2	450	Kept
7/3/2005	BFU	1	LKTR	1	440	Kept
7/3/2005	M Tours	1	LKTR	1	377	Kept
7/3/2005	M Tours	2	LKTR	1	437	Kept
7/3/2005	BFU	1	LKTR	2	330	Released
7/3/2005	M Tours	1	LKTR	2	429	Kept
7/3/2005	M Tours	2	LKTR	2	460	Kept
7/3/2005	BFU	1	LKTR	3	410	Kept
7/3/2005	M Tours	1	LKTR	3	443	Kept
7/3/2005	BFU	1	LKTR	4	400	Released
7/3/2005	M Tours	1	LKTR	4	461	Kept
7/3/2005	BFU	1	LKTR	5	370	Released
7/3/2005	M Tours	1	LKTR	5	433	Kept
7/3/2005	BFU	1	LKTR	6	420	Released
7/3/2005	M Tours	1	LKTR	6	482	Kept
7/3/2005	BFU	1	LKTR	7	400	Released
7/3/2005	BFU	1	LKTR	8	430	Kept

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
7/3/2005	BFU	1	LKTR	9	460	Kept
7/4/2005	BFU	1	LKTR	1	398	Kept
7/4/2005	M Tours	1	LKTR	1	446	Kept
7/4/2005	BFU	1	LKTR	2	440	Kept
7/4/2005	M Tours	1	LKTR	2	487	Kept
7/4/2005	BFU	1	LKTR	3	430	Kept
7/4/2005	M Tours	1	LKTR	3	462	Kept
7/4/2005	BFU	1	LKTR	4	458	Kept
7/4/2005	M Tours	1	LKTR	4	456	Kept
7/4/2005	BFU	1	LKTR	5	445	Kept
7/4/2005	BFU	1	LKTR	6	248	Released
7/4/2005	BFU	1	RMWH		404	Kept
7/5/2005	BFU	1	LKTR	1	430	Released
7/5/2005	M Tours	1	LKTR	1	441	Kept
7/5/2005	M Tours	2	LKTR	1	475	Kept
7/5/2005	BFU	1	LKTR	2	450	Released
7/5/2005	M Tours	2	LKTR	2	482	Kept
7/5/2005	BFU	1	LKTR	3	320	Released
7/5/2005	BFU	1	LKTR	4	350	Released
7/5/2005	BFU	1	LKTR	5	440	Released
7/5/2005	BFU	1	LKTR	6	460	Released
7/5/2005	BFU	1	LKTR	7	370	Released
7/6/2005	BFU	2	LKTR	1	420	Released
7/6/2005	M Tours	1	LKTR	1	468	Kept
7/6/2005	BFU	2	LKTR	2	370	Released
7/6/2005	BFU	2	LKTR	3	330	Released
7/6/2005	BFU	2	LKTR	4	490	Released
7/6/2005	BFU	2	LKTR	5	380	Released
7/6/2005	BFU	2	LKTR	6	420	Released
7/7/2005	BFU	1	LKTR	1	501	Kept
7/7/2005	M Tours	1	LKTR	1	478	Kept
7/7/2005	BFU	1	LKTR	2	454	Kept
7/7/2005	M Tours	1	LKTR	2	423	Kept
7/7/2005	BFU	1	LKTR	3	459	Kept
7/7/2005	M Tours	1	LKTR	3	469	Kept
7/7/2005	BFU	1	LKTR	4	521	Kept
7/7/2005	BFU	1	LKTR	5	441	Kept
7/7/2005	BFU	1	LKTR	6	476	Released
7/7/2005	BFU	1	LKTR	7	456	Released
7/7/2005	BFU	1	RMWH		371	Released
7/8/2005	BFU	1	LKTR	1	499	Kept
7/8/2005	BFU	1	LKTR	2	471	Released
7/8/2005	BFU	1	LKTR	3	515	Kept
7/8/2005	BFU	1	LKTR	4	419	Released
7/8/2005	BFU	1	LKTR	5	443	Released
7/8/2005	BFU	1	LKTR	6	460	Released
7/8/2005	BFU	1	LKTR	7	451	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
7/8/2005	BFU	1	LKTR	8	433	Released
7/8/2005	BFU	1	LKTR	9	489	Kept
7/8/2005	BFU	1	LKTR	10	505	Kept
7/9/2005	BFU	1	LKTR	1	450	Kept
7/9/2005	BFU	1	LKTR	2	470	Kept
7/9/2005	BFU	1	LKTR	3	390	Kept
7/9/2005	BFU	1	LKTR	4	300	Kept
7/10/2005	BFU	1	LKTR	1	460	Kept
7/10/2005	M Tours	1	LKTR	1	512	Kept
7/10/2005	BFU	1	LKTR	2	420	Kept
7/10/2005	BFU	1	LKTR	3	430	Kept
7/11/2005	BFU	1	LKTR	1	490	Kept
7/11/2005	BFU	2	LKTR	1	460	Kept
7/11/2005	BFU	3	LKTR	1	450	Released
7/11/2005	BFU	4	LKTR	1	430	Released
7/11/2005	BFU	1	LKTR	2	460	Kept
7/11/2005	BFU	2	LKTR	2	480	Kept
7/11/2005	BFU	3	LKTR	2	470	Released
7/11/2005	BFU	4	LKTR	2	320	Released
7/11/2005	BFU	1	LKTR	3	510	Kept
7/11/2005	BFU	2	LKTR	3	450	Kept
7/11/2005	BFU	3	LKTR	3	440	Released
7/11/2005	BFU	4	LKTR	3	450	Released
7/11/2005	BFU	1	LKTR	4	520	Kept
7/11/2005	BFU	2	LKTR	4	400	Kept
7/11/2005	BFU	3	LKTR	4	450	Released
7/11/2005	BFU	4	LKTR	4	510	Released
7/11/2005	BFU	1	LKTR	5	440	Kept
7/11/2005	BFU	2	LKTR	5	460	Kept
7/11/2005	BFU	3	LKTR	5	440	Released
7/11/2005	BFU	4	LKTR	5	550	Released
7/11/2005	BFU	1	LKTR	6	310	Kept
7/11/2005	BFU	3	LKTR	6	450	Released
7/11/2005	BFU	4	LKTR	6	350	Released
7/11/2005	BFU	1	LKTR	7	480	Kept
7/11/2005	BFU	4	LKTR	7	430	Released
7/11/2005	BFU	1	RMWH		460	
7/12/2005	BFU	1	LKTR	1	360	Released
7/12/2005	BFU	2	LKTR	1	430	Released
7/12/2005	BFU	3	LKTR	1	347	Released
7/12/2005	BFU	4	LKTR	1	423	Released
7/12/2005	M Tours	1	LKTR	1	446	Kept
7/12/2005	M Tours	2	LKTR	1	518	Kept
7/12/2005	M Tours	2	LKTR	1	507	Kept
7/12/2005	M Tours	3	LKTR	1	553	Kept
7/12/2005	BFU	1	LKTR	2	460	Released
7/12/2005	BFU	2	LKTR	2	450	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
7/12/2005	BFU	3	LKTR	2	444	Kept
7/12/2005	BFU	4	LKTR	2	495	Released
7/12/2005	M Tours	1	LKTR	2	517	Kept
7/12/2005	M Tours	2	LKTR	2	459	Kept
7/12/2005	BFU	1	LKTR	3	370	Released
7/12/2005	BFU	2	LKTR	3	510	Released
7/12/2005	BFU	3	LKTR	3	405	Released
7/12/2005	BFU	4	LKTR	3	450	Released
7/12/2005	BFU	2	LKTR	4	330	Released
7/12/2005	BFU	3	LKTR	4	472	Kept
7/12/2005	BFU	4	LKTR	4	527	Released
7/12/2005	BFU	2	LKTR	5	420	Released
7/12/2005	BFU	3	LKTR	5	411	Released
7/12/2005	BFU	4	LKTR	5	489	Released
7/12/2005	BFU	2	LKTR	6	310	Released
7/12/2005	BFU	3	LKTR	6	431	Released
7/12/2005	BFU	4	LKTR	6	482	Released
7/12/2005	BFU	2	LKTR	7	430	Released
7/12/2005	BFU	3	LKTR	7	410	Released
7/12/2005	BFU	2	LKTR	8	320	Released
7/12/2005	BFU	3	LKTR	8	421	Released
7/12/2005	BFU	2	LKTR	9	450	Released
7/12/2005	BFU	2	LKTR	10	430	Released
7/12/2005	BFU	2	LKTR	11	440	Released
7/12/2005	BFU	2	LKTR	12	440	Released
7/12/2005	M Tours	2	RMWH		405	
7/13/2005	BFU	1	LKTR	1	430	Released
7/13/2005	BFU	1	LKTR	2	470	Released
7/13/2005	BFU	1	LKTR	3	420	Released
7/13/2005	BFU	1	LKTR	4	390	Released
7/13/2005	BFU	1	LKTR	5	440	Released
7/13/2005	BFU	1	LKTR	6	450	Released
7/13/2005	BFU	1	LKTR	7	430	Kept
7/13/2005	BFU	1	LKTR	8	450	Kept
7/14/2005	BFU	1	Cisco		210	Released
7/14/2005	BFU	1	LKTR	1	320	Released
7/14/2005	BFU	2	LKTR	1	490	Released
7/14/2005	BFU	3	LKTR	1	470	Kept
7/14/2005	BFU	1	LKTR	2	470	Released
7/14/2005	BFU	2	LKTR	2	415	Released
7/14/2005	BFU	3	LKTR	2	460	Kept
7/14/2005	BFU	1	LKTR	3	420	Released
7/14/2005	BFU	2	LKTR	3	460	Released
7/14/2005	BFU	3	LKTR	3	390	Kept
7/14/2005	BFU	1	LKTR	4	410	Released
7/14/2005	BFU	2	LKTR	4	470	Released
7/14/2005	BFU	3	LKTR	4	480	Kept

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
7/14/2005	BFU	1	LKTR	5	400	Released
7/14/2005	BFU	2	LKTR	5	470	Released
7/14/2005	BFU	1	LKTR	6	480	Released
7/14/2005	BFU	2	LKTR	6	370	Released
7/14/2005	BFU	1	LKTR	7	460	Released
7/14/2005	BFU	2	LKTR	7	460	Released
7/14/2005	BFU	1	LKTR	8	340	Released
7/14/2005	BFU	1	LKTR	9	320	Released
7/14/2005	BFU	1	LKTR	10	390	Released
7/14/2005	BFU	1	LKTR	11	410	Released
7/14/2005	BFU	1	RMWH		470	
7/14/2005	BFU	1	RMWH		370	
7/15/2005	BFU	1	LKTR	1	450	Released
7/15/2005	BFU	2	LKTR	1	480	Released
7/15/2005	BFU	1	LKTR	2	470	Released
7/15/2005	BFU	2	LKTR	2	420	Released
7/15/2005	BFU	1	LKTR	3	430	Released
7/15/2005	BFU	2	LKTR	3	370	Released
7/15/2005	BFU	1	LKTR	4	430	Released
7/15/2005	BFU	2	LKTR	4	390	Released
7/15/2005	BFU	1	LKTR	5	420	Released
7/16/2005	BFU	1	LKTR	1	410	Released
7/16/2005	BFU	2	LKTR	1	420	Released
7/16/2005	BFU	3	LKTR	1	460	Released
7/16/2005	BFU	4	LKTR	1	470	Released
7/16/2005	BFU	1	LKTR	2	360	Released
7/16/2005	BFU	2	LKTR	2	410	Released
7/16/2005	BFU	3	LKTR	2	475	Released
7/16/2005	BFU	4	LKTR	2	530	Released
7/16/2005	BFU	1	LKTR	3	380	Released
7/16/2005	BFU	2	LKTR	3	360	Released
7/16/2005	BFU	3	LKTR	3	460	Released
7/16/2005	BFU	4	LKTR	3	320	Released
7/16/2005	BFU	2	LKTR	4	460	Released
7/16/2005	BFU	3	LKTR	4	390	Released
7/16/2005	BFU	4	LKTR	4	420	Released
7/16/2005	BFU	2	LKTR	5	400	Released
7/16/2005	BFU	3	LKTR	5	1150	Released
7/16/2005	BFU	2	LKTR	6	380	Released
7/16/2005	BFU	3	LKTR	6	420	Released
7/16/2005	BFU	2	RMWH		380	
7/17/2005	BFU	3	LKTR	1	470	Kept
7/17/2005	BFU	3	LKTR	2	430	Kept
7/19/2005	BFU	1	LKTR	1	380	Kept
7/19/2005	BFU	2	LKTR	1	470	Kept
7/19/2005	BFU	1	LKTR	2	390	Kept
7/19/2005	BFU	2	LKTR	2	460	Kept

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
7/19/2005	BFU	1	LKTR	3	420	Kept
7/19/2005	BFU	2	LKTR	3	480	Kept
7/19/2005	BFU	2	LKTR	4	470	Kept
7/19/2005	BFU	2	LKTR	5	480	Kept
7/19/2005	BFU	2	LKTR	6	430	Kept
7/19/2005	BFU	2	LKTR	7	390	Kept
7/19/2005	BFU	1	RMWH		310	
7/19/2005	BFU	1	RMWH		350	
7/20/2005	BFU	1	LKTR	1	521	Kept
7/20/2005	BFU	2	LKTR	1	430	Kept
7/20/2005	BFU	3	LKTR	1	410	Released
7/20/2005	BFU	1	LKTR	2	481	Kept
7/20/2005	BFU	2	LKTR	2	440	Kept
7/20/2005	BFU	3	LKTR	2	430	Released
7/20/2005	BFU	1	LKTR	3	410	Released
7/20/2005	BFU	2	LKTR	3	460	Released
7/20/2005	BFU	3	LKTR	3	400	Released
7/20/2005	BFU	1	LKTR	4	328	Released
7/20/2005	BFU	2	LKTR	4	390	Released
7/20/2005	BFU	3	LKTR	4	390	Released
7/20/2005	BFU	1	LKTR	5	410	Released
7/20/2005	BFU	2	LKTR	5	410	Released
7/20/2005	BFU	3	LKTR	5	420	Released
7/20/2005	BFU	1	LKTR	6	452	Released
7/20/2005	BFU	2	LKTR	6	430	Released
7/21/2005	M Tours	1	LKTR	1	454	Kept
7/21/2005	M Tours	1	LKTR	2	406	Kept
7/21/2005	BFU	1	RMWH		430	Released
7/21/2005	BFU	1	RMWH		410	Released
7/21/2005	BFU	1	RMWH		260	Released
7/21/2005	BFU	1	RMWH		350	Released
7/21/2005	BFU	1	RMWH		230	Released
7/21/2005	BFU	1	RMWH		410	Released
7/22/2005	BFU	1	LKTR	1	490	Released
7/22/2005	BFU	1	LKTR	2	560	Released
7/22/2005	BFU	1	RMWH		220	Released
7/22/2005	BFU	1	RMWH		370	Released
7/22/2005	BFU	1	RMWH		350	Released
7/22/2005	BFU	1	RMWH		210	Released
7/22/2005	BFU	1	RMWH		400	Released
7/22/2005	BFU	1	RMWH		270	Released
7/22/2005	BFU	1	RMWH		390	Released
7/23/2005	BFU	1	LKTR	1	450	Kept
7/23/2005	BFU	1	LKTR	2	370	Released
7/23/2005	BFU	1	LKTR	3	400	Released
7/23/2005	BFU	1	LKTR	4	420	Kept
7/23/2005	BFU	1	LKTR	5	390	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
7/23/2005	BFU	1	LKTR	6	410	Released
7/23/2005	BFU	1	LKTR	7	370	Released
7/23/2005	BFU	1	LKTR	8	390	Kept
7/23/2005	BFU	1	LKTR	9	360	Released
7/23/2005	BFU	1	LKTR	10	390	Released
7/23/2005	BFU	1	LKTR	11	430	Kept
7/24/2005	BFU	1	LKTR	1	480	Kept
7/24/2005	BFU	2	LKTR	1	440	Kept
7/24/2005	BFU	1	LKTR	2	450	Kept
7/24/2005	BFU	2	LKTR	2	390	Kept
7/24/2005	BFU	1	LKTR	3	420	Kept
7/24/2005	BFU	1	LKTR	4	390	Released
7/25/2005	BFU	1	LKTR	1	440	Released
7/25/2005	BFU	2	LKTR	1	330	Released
7/25/2005	BFU	2	LKTR	2	360	Released
7/25/2005	BFU	2	LKTR	3	330	Released
7/25/2005	BFU	1	RMWH		390	Released
7/25/2005	BFU	1	RMWH		210	Released
7/25/2005	BFU	1	RMWH		380	Released
7/25/2005	BFU	1	RMWH		330	Released
7/25/2005	BFU	1	RMWH		270	Released
7/25/2005	BFU	1	RMWH		300	Released
7/25/2005	BFU	1	RMWH		330	Released
7/25/2005	BFU	1	RMWH		230	Released
7/26/2005	BFU	1	LKTR	1	410	Released
7/26/2005	M Tours	1	LKTR	1	439	Kept
7/26/2005	BFU	4	LKTR	1	1020	Released
7/26/2005	BFU	1	LKTR	2	520	Released
7/26/2005	M Tours	1	LKTR	2	453	Kept
7/26/2005	BFU	4	LKTR	2	390	Kept
7/26/2005	BFU	1	LKTR	3	430	Released
7/26/2005	BFU	4	LKTR	3	380	Released
7/26/2005	BFU	1	LKTR	4	450	Released
7/26/2005	BFU	4	LKTR	4	320	Released
7/26/2005	BFU	4	LKTR	5	290	Released
7/27/2005	BFU	1	LKTR	1	340	Released
7/27/2005	BFU	2	LKTR	1	510	Kept
7/27/2005	BFU	3	LKTR	1	584	Released
7/27/2005	BFU	4	LKTR	1	410	Released
7/27/2005	BFU	1	LKTR	2	400	Released
7/27/2005	BFU	2	LKTR	2	521	Kept
7/27/2005	BFU	3	LKTR	2	521	Released
7/27/2005	BFU	4	LKTR	2	400	Released
7/27/2005	BFU	1	LKTR	3	430	Released
7/27/2005	BFU	2	LKTR	3	493	Released
7/27/2005	BFU	3	LKTR	3	533	Released
7/27/2005	BFU	4	LKTR	3	360	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
7/27/2005	BFU	1	LKTR	4	390	Released
7/27/2005	BFU	2	LKTR	4	472	Released
7/27/2005	BFU	4	LKTR	4	380	Released
7/27/2005	BFU	1	LKTR	5	510	Released
7/27/2005	BFU	2	LKTR	5	436	Released
7/27/2005	BFU	1	LKTR	6	390	Released
7/27/2005	BFU	2	LKTR	6	480	Kept
7/27/2005	BFU	1	LKTR	7	490	Released
7/27/2005	BFU	2	LKTR	7	452	Released
7/27/2005	BFU	1	LKTR	8	440	Released
7/28/2005	BFU	1	LKTR	1	460	Released
7/28/2005	BFU	2	LKTR	1	504	Kept
7/28/2005	BFU	1	LKTR	2	511	Kept
7/28/2005	BFU	2	LKTR	2	490	Kept
7/28/2005	BFU	1	LKTR	3	522	Kept
7/28/2005	BFU	2	LKTR	3	486	Released
7/28/2005	BFU	1	LKTR	4	475	Released
7/28/2005	BFU	1	LKTR	5	480	Released
7/28/2005	BFU	1	LKTR	6	433	Released
7/29/2005	BFU	1	LKTR	1	320	Kept
7/29/2005	BFU	2	LKTR	1	470	Kept
7/29/2005	BFU	1	LKTR	2	300	Kept
7/29/2005	BFU	2	LKTR	2	420	Kept
7/29/2005	BFU	2	LKTR	3	460	Kept
7/29/2005	BFU	2	LKTR	4	410	Kept
7/30/2005	M Tours	1	LKTR	1	426	Kept
7/30/2005	M Tours	1	LKTR	2	466	Kept
7/30/2005	M Tours	1	LKTR	3	469	Kept
7/30/2005	M Tours	1	LKTR	4	456	Kept
7/30/2005	M Tours	1	LKTR	5	443	Kept
7/31/2005	BFU	1	LKTR	1	460	Released
7/31/2005	BFU	2	LKTR	1	430	Kept
7/31/2005	M Tours	1	LKTR	1	474	Kept
7/31/2005	M Tours	2	LKTR	1	563	Kept
7/31/2005	BFU	3	LKTR	1	424	Released
7/31/2005	BFU	4	LKTR	1	422	Kept
7/31/2005	BFU	1	LKTR	2	420	Released
7/31/2005	BFU	2	LKTR	2	390	Released
7/31/2005	BFU	3	LKTR	2	530	Released
7/31/2005	BFU	4	LKTR	2	537	Kept
7/31/2005	BFU	1	LKTR	3	510	Kept
7/31/2005	BFU	2	LKTR	3	470	Released
7/31/2005	BFU	3	LKTR	3	481	Released
7/31/2005	BFU	4	LKTR	3	333	Released
7/31/2005	BFU	1	LKTR	4	450	Released
7/31/2005	BFU	2	LKTR	4	450	Released
7/31/2005	BFU	3	LKTR	4	410	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
7/31/2005	BFU	4	LKTR	4	407	Kept
7/31/2005	BFU	1	LKTR	5	400	Kept
7/31/2005	BFU	2	LKTR	5	430	Released
7/31/2005	BFU	3	LKTR	5	428	Released
7/31/2005	BFU	4	LKTR	5	507	Released
7/31/2005	BFU	1	LKTR	6	530	Kept
7/31/2005	BFU	4	LKTR	6	456	Released
7/31/2005	BFU	1	LKTR	7	490	Released
7/31/2005	BFU	4	LKTR	7	391	Kept
7/31/2005	BFU	1	LKTR	8	460	Released
8/1/2005	BFU	2	LKTR	1	440	Kept
8/1/2005	BFU	3	LKTR	1	441	Released
8/1/2005	BFU	4	LKTR	1	475	Released
8/1/2005	BFU	5	LKTR	1	310	Released
8/1/2005	BFU	3	LKTR	2	450	Released
8/1/2005	BFU	4	LKTR	2	410	Released
8/1/2005	BFU	5	LKTR	2	360	Released
8/1/2005	BFU	3	LKTR	3	430	Released
8/1/2005	BFU	5	LKTR	3	320	Released
8/1/2005	BFU	2	LKTR	4	470	Kept
8/1/2005	BFU	3	LKTR	4	447	Released
8/1/2005	BFU	5	LKTR	4	320	Released
8/2/2005	M Tours	1	LKTR	1	677	Kept
8/2/2005	BFU	1	LKTR	1	450	Kept
8/2/2005	M Tours	2	LKTR	1	557	Kept
8/2/2005	BFU	2	LKTR	1	478	Released
8/2/2005	BFU	1	LKTR	2	440	Released
8/2/2005	M Tours	2	LKTR	2	438	Kept
8/2/2005	BFU	2	LKTR	2	397	Released
8/2/2005	BFU	1	LKTR	3	510	Kept
8/2/2005	M Tours	2	LKTR	3	449	Kept
8/2/2005	BFU	2	LKTR	3	456	Released
8/2/2005	BFU	1	LKTR	4	480	Kept
8/2/2005	BFU	2	LKTR	4	447	Released
8/3/2005	M Tours	1	LKTR	1	542	Released
8/3/2005	BFU	1	LKTR	1	610	Released
8/3/2005	BFU	2	LKTR	1	480	Kept
8/3/2005	BFU	3	LKTR	1	475	Kept
8/3/2005	BFU	4	LKTR	1	503	Kept
8/3/2005	M Tours	1	LKTR	2	537	Released
8/3/2005	BFU	1	LKTR	2	440	Released
8/3/2005	BFU	2	LKTR	2	410	Released
8/3/2005	BFU	3	LKTR	2	458	Released
8/3/2005	BFU	4	LKTR	2	470	Kept
8/3/2005	M Tours	1	LKTR	3	494	Released
8/3/2005	BFU	1	LKTR	3	420	Released
8/3/2005	BFU	2	LKTR	3	430	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
8/3/2005	BFU	3	LKTR	3	462	Released
8/3/2005	BFU	4	LKTR	3	429	Kept
8/3/2005	M Tours	1	LKTR	4	474	Kept
8/3/2005	BFU	1	LKTR	4	430	Released
8/3/2005	BFU	2	LKTR	4	570	Kept
8/3/2005	BFU	4	LKTR	4	409	Released
8/3/2005	M Tours	1	LKTR	5	421	Kept
8/3/2005	BFU	1	LKTR	5	400	Released
8/3/2005	BFU	2	LKTR	5	490	Released
8/3/2005	BFU	4	LKTR	5	388	Released
8/3/2005	M Tours	1	LKTR	6	487	Released
8/3/2005	BFU	1	LKTR	6	440	Released
8/3/2005	BFU	2	LKTR	6	430	Released
8/3/2005	BFU	4	LKTR	6	450	Released
8/3/2005	M Tours	1	LKTR	7	464	Released
8/3/2005	BFU	2	LKTR	7	440	Released
8/3/2005	BFU	4	LKTR	7	442	Released
8/3/2005	M Tours	1	LKTR	8	528	Released
8/3/2005	BFU	2	LKTR	8	470	Kept
8/3/2005	BFU	4	LKTR	8	411	Kept
8/3/2005	BFU	2	LKTR	9	450	Released
8/3/2005	BFU	2	LKTR	10	440	Kept
8/4/2005	M Tours	1	LKTR	1	455	Kept
8/4/2005	M Tours	2	LKTR	1	496	Released
8/4/2005	BFU	1	LKTR	1	430	Kept
8/4/2005	BFU	2	LKTR	1	446	Kept
8/4/2005	M Tours	2	LKTR	2	524	Released
8/4/2005	BFU	1	LKTR	2	520	Kept
8/4/2005	BFU	2	LKTR	2	533	Kept
8/4/2005	BFU	1	LKTR	3	400	Released
8/4/2005	BFU	2	LKTR	3	480	Released
8/4/2005	BFU	1	LKTR	4	410	Released
8/4/2005	BFU	1	LKTR	5	480	Released
8/5/2005	BFU	1	LKTR	1	390	Released
8/5/2005	M Tours	1	LKTR	1	445	Kept
8/5/2005	BFU	2	LKTR	1	410	Kept
8/5/2005	BFU	3	LKTR	1	581	Released
8/5/2005	BFU	4	LKTR	1	501	Released
8/5/2005	BFU	1	LKTR	2	440	Kept
8/5/2005	M Tours	1	LKTR	2	468	Kept
8/5/2005	BFU	2	LKTR	2	420	Kept
8/5/2005	BFU	3	LKTR	2	482	Released
8/5/2005	BFU	4	LKTR	2	455	Released
8/5/2005	M Tours	1	LKTR	3	458	Kept
8/5/2005	BFU	2	LKTR	3	390	Kept
8/5/2005	BFU	3	LKTR	3	503	Released
8/5/2005	M Tours	1	LKTR	4	525	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
8/5/2005	BFU	2	LKTR	4	420	Kept
8/5/2005	BFU	2	LKTR	5	360	Released
8/5/2005	BFU	2	LKTR	6	410	Kept
8/5/2005	BFU	2	LKTR	7	430	Kept
8/5/2005	BFU	2	LKTR	8	470	Kept
8/5/2005	BFU	2	LKTR	9	420	Kept
8/5/2005	BFU	2	LKTR	10	410	Kept
8/5/2005	BFU	2	LKTR	11	420	Kept
8/5/2005	BFU	3	RMWH		421	Released
8/6/2005	BFU	1	LKTR	1	430	Kept
8/6/2005	BFU	2	LKTR	1	505	Kept
8/6/2005	BFU	3	LKTR	1	496	Released
8/6/2005	BFU	4	LKTR	1	460	Released
8/6/2005	BFU	1	LKTR	2	390	Released
8/6/2005	BFU	2	LKTR	2	381	Released
8/6/2005	BFU	3	LKTR	2	521	Released
8/6/2005	BFU	4	LKTR	2	430	Released
8/6/2005	BFU	1	LKTR	3	380	Released
8/6/2005	BFU	2	LKTR	3	444	Kept
8/6/2005	BFU	3	LKTR	3	457	Released
8/6/2005	BFU	4	LKTR	3	420	Released
8/6/2005	BFU	1	LKTR	4	400	Released
8/6/2005	BFU	2	LKTR	4	410	Released
8/6/2005	BFU	3	LKTR	4	440	Released
8/6/2005	BFU	4	LKTR	4	430	Released
8/6/2005	BFU	1	LKTR	5	410	Released
8/6/2005	BFU	2	LKTR	5	421	Released
8/6/2005	BFU	3	LKTR	5	488	Released
8/6/2005	BFU	4	LKTR	5	410	Released
8/6/2005	BFU	1	LKTR	6	430	Released
8/6/2005	BFU	2	LKTR	6	466	Released
8/6/2005	BFU	4	LKTR	6	420	Released
8/6/2005	BFU	1	LKTR	7	530	Released
8/6/2005	BFU	2	LKTR	7	433	Released
8/6/2005	BFU	1	LKTR	8	510	Released
8/6/2005	BFU	2	LKTR	8	400	Released
8/6/2005	BFU	1	LKTR	9	480	Kept
8/7/2005	BFU	1	LKTR	1	430	Kept
8/7/2005	M Tours	1	LKTR	1	485	Kept
8/7/2005	BFU	1	LKTR	2	410	Kept
8/7/2005	M Tours	1	LKTR	2	452	Kept
8/7/2005	BFU	1	LKTR	3	430	Kept
8/7/2005	M Tours	1	LKTR	3	562	Released
8/7/2005	BFU	1	LKTR	4	420	Released
8/7/2005	BFU	3	RMWH		401	Released
8/7/2005	BFU	3	RMWH		397	Released
8/7/2005	BFU	3	RMWH		421	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
8/7/2005	BFU	3	RMWH		334	Released
8/7/2005	BFU	3	RMWH		386	Released
8/7/2005	BFU	3	RMWH		390	Released
8/7/2005	BFU	3	RMWH		410	Released
8/7/2005	BFU	3	RMWH		305	Released
8/7/2005	BFU	4	RMWH		348	Released
8/7/2005	BFU	4	RMWH		367	Released
8/7/2005	BFU	4	RMWH		409	Released
8/7/2005	BFU	4	RMWH		391	Released
8/7/2005	BFU	4	RMWH		418	Released
8/7/2005	BFU	4	RMWH		320	Released
8/7/2005	BFU	4	RMWH		336	Released
8/8/2005	BFU	1	LKTR	1	620	Released
8/8/2005	M Tours	1	LKTR	1	572	Released
8/8/2005	M Tours	2	LKTR	1	515	Kept
8/8/2005	BFU	2	LKTR	1	456	Kept
8/8/2005	BFU	3	LKTR	1	420	Kept
8/8/2005	BFU	1	LKTR	2	450	Kept
8/8/2005	M Tours	1	LKTR	2	462	Released
8/8/2005	M Tours	2	LKTR	2	455	Kept
8/8/2005	BFU	2	LKTR	2	410	Released
8/8/2005	BFU	3	LKTR	2	410	Kept
8/8/2005	BFU	1	LKTR	3	430	Kept
8/8/2005	M Tours	1	LKTR	3	449	Released
8/8/2005	M Tours	2	LKTR	3	409	Kept
8/8/2005	BFU	2	LKTR	3	433	Released
8/8/2005	BFU	3	LKTR	3	430	Released
8/8/2005	BFU	1	LKTR	4	570	Released
8/8/2005	BFU	2	LKTR	4	380	Released
8/8/2005	BFU	3	LKTR	4	360	Released
8/8/2005	BFU	1	LKTR	5	370	Released
8/8/2005	BFU	1	LKTR	6	430	Released
8/8/2005	BFU	1	LKTR	7	430	Released
8/8/2005	BFU	1	LKTR	8	420	Released
8/9/2005	M Tours	1	LKTR	1	478	Kept
8/9/2005	BFU	1	LKTR	1	430	Released
8/9/2005	BFU	2	LKTR	1	470	Released
8/9/2005	BFU	3	LKTR	1	520	Kept
8/9/2005	M Tours	1	LKTR	2	400	Kept
8/9/2005	BFU	1	LKTR	2	420	Released
8/9/2005	BFU	3	LKTR	2	430	Kept
8/9/2005	M Tours	1	LKTR	3	437	Kept
8/9/2005	BFU	1	LKTR	3	430	Released
8/9/2005	BFU	3	LKTR	3	310	Kept
8/9/2005	M Tours	1	LKTR	4	467	Kept
8/9/2005	BFU	1	LKTR	4	440	Released
8/9/2005	BFU	3	LKTR	4	410	Kept

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
8/9/2005	M Tours	1	LKTR	5	409	Kept
8/9/2005	BFU	1	LKTR	5	320	Released
8/9/2005	M Tours	1	LKTR	6	542	Kept
8/9/2005	BFU	1	LKTR	6	330	Released
8/9/2005	M Tours	1	LKTR	7	480	Kept
8/9/2005	BFU	1	LKTR	7	420	Released
8/9/2005	BFU	1	LKTR	8	430	Released
8/10/2005	M Tours	1	LKTR	1	574	Kept
8/10/2005	M Tours	2	LKTR	1	546	Released
8/10/2005	BFU	1	LKTR	1	436	Kept
8/10/2005	M Tours	1	LKTR	2	430	Kept
8/10/2005	M Tours	2	LKTR	2	483	Released
8/10/2005	BFU	2	LKTR	2	485	Kept
8/10/2005	M Tours	1	LKTR	3	474	Released
8/10/2005	M Tours	2	LKTR	3	474	Released
8/10/2005	BFU	2	LKTR	3	460	Kept
8/10/2005	M Tours	1	LKTR	4	523	Released
8/11/2005		3	LKTR	1	420	Kept
8/11/2005	BFU	1	LKTR	1	450	Kept
8/11/2005		3	LKTR	2	455	Released
8/11/2005	BFU	1	LKTR	2	420	Kept
8/11/2005		3	LKTR	3	380	Released
8/11/2005	BFU	1	LKTR	3	420	Released
8/11/2005	BFU	1	LKTR	4	430	Released
8/11/2005	BFU	1	LKTR	5	420	Kept
8/11/2005	BFU	1	LKTR	6	430	Kept
8/12/2005	BFU	1	LKTR	1	481	Kept
8/12/2005	BFU	2	LKTR	1	360	Released
8/12/2005	BFU	1	LKTR	2	493	Released
8/12/2005	BFU	2	LKTR	2	420	Released
8/12/2005	BFU	1	LKTR	3	460	Kept
8/12/2005	BFU	2	LKTR	3	470	Released
8/12/2005	BFU	2	LKTR	4	450	Released
8/13/2005	BFU	1	LKTR	1	435	Released
8/13/2005	BFU	1	LKTR	2	410	Released
8/14/2005	BFU	1	LKTR	1	410	Released
8/14/2005	BFU	2	LKTR	1	410	Kept
8/14/2005	BFU	3	LKTR	1	410	Kept
8/14/2005	BFU	1	LKTR	2	450	Released
8/14/2005	BFU	2	LKTR	2	405	Released
8/14/2005	BFU	3	LKTR	2	360	Kept
8/14/2005	BFU	1	LKTR	3	460	Released
8/14/2005	BFU	2	LKTR	3	444	Released
8/14/2005	BFU	3	LKTR	3	350	Kept
8/14/2005	BFU	1	LKTR	4	460	Released
8/14/2005	BFU	2	LKTR	4	381	Released
8/14/2005	BFU	3	LKTR	4	360	Kept

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
8/14/2005	BFU	1	LKTR	5	400	Released
8/14/2005	BFU	2	LKTR	5	390	Released
8/14/2005	BFU	1	LKTR	6	610	Released
8/15/2005	BFU	2	LKTR	1	360	Kept
8/15/2005	BFU	2	LKTR	2	320	Kept
8/15/2005	BFU	2	LKTR	3	300	Kept
8/15/2005	BFU	2	LKTR	4	370	Kept
8/16/2005	BFU	1	LKTR	1	420	Released
8/16/2005	BFU	2	LKTR	1	420	Released
8/16/2005	BFU	3	LKTR	1	385	Released
8/16/2005	BFU	4	LKTR	1	398	Released
8/16/2005	BFU	1	LKTR	2	450	Released
8/16/2005	BFU	2	LKTR	2	440	Kept
8/16/2005	BFU	3	LKTR	2	341	Released
8/16/2005	BFU	1	LKTR	3	430	Released
8/16/2005	BFU	2	LKTR	3	530	Released
8/16/2005	BFU	1	LKTR	4	410	Released
8/17/2005	BFU	1	LKTR	1	390	Released
8/17/2005	BFU	2	LKTR	1	400	Released
8/17/2005	BFU	1	LKTR	2	420	Released
8/17/2005	BFU	2	LKTR	2	469	Kept
8/17/2005	BFU	1	LKTR	3	440	Released
8/17/2005	BFU	2	LKTR	3	450	Kept
8/17/2005	BFU	1	LKTR	4	440	Released
8/17/2005	BFU	2	LKTR	4	430	Released
8/17/2005	BFU	1	LKTR	5	430	Released
8/17/2005	BFU	2	LKTR	5	470	Kept
8/17/2005	BFU	1	LKTR	6	465	Released
8/17/2005	BFU	2	LKTR	6	481	Kept
8/17/2005	BFU	1	LKTR	7	450	Kept
8/17/2005	BFU	1	LKTR	8	470	Kept
8/17/2005	BFU	1	LKTR	9	320	Released
8/17/2005	BFU	1	LKTR	10	480	Released
8/17/2005	BFU	1	LKTR	11	460	Released
8/17/2005	BFU	1	LKTR	12	490	Kept
8/17/2005	BFU	1	LKTR	13	470	Kept
8/18/2005	BFU	1	LKTR	1	488	Released
8/18/2005	BFU	1	LKTR	2	421	Released
8/18/2005	BFU	1	LKTR	3	430	Released
8/18/2005	BFU	1	LKTR	4	406	Released
8/18/2005	BFU	1	LKTR	5	470	Released
8/18/2005	BFU	1	LKTR	6	309	Released
8/18/2005	BFU	1	LKTR	7	411	Released
8/18/2005	BFU	1	LKTR	8	440	Released
8/18/2005	BFU	1	LKTR	9	405	Released
8/18/2005	BFU	1	LKTR	10	390	Released
8/19/2005	BFU	1	LKTR	1	510	Kept

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
8/19/2005	BFU	3	LKTR	1	403	Released
8/19/2005	BFU	1	LKTR	2	420	Kept
8/19/2005	BFU	3	LKTR	2	440	Kept
8/19/2005	BFU	1	LKTR	3	440	Kept
8/19/2005	BFU	3	LKTR	3	435	Kept
8/19/2005	BFU	1	LKTR	4	450	Kept
8/19/2005	BFU	3	LKTR	4	460	Kept
8/19/2005	BFU	1	LKTR	5	430	Kept
8/19/2005	BFU	3	LKTR	5	410	Released
8/19/2005	BFU	1	LKTR	6	440	Released
8/19/2005	BFU	3	LKTR	6	395	Released
8/20/2005	BFU	1	LKTR	1	430	Released
8/20/2005	BFU	2	LKTR	1	290	Released
8/20/2005	BFU	1	LKTR	2	470	Released
8/20/2005	BFU	2	LKTR	2	320	Released
8/20/2005	BFU	1	LKTR	3	420	Released
8/20/2005	BFU	2	LKTR	3	310	Released
8/20/2005	BFU	1	LKTR	4	510	Released
8/20/2005	BFU	2	LKTR	4	330	Released
8/20/2005	BFU	1	LKTR	5	420	Released
8/20/2005	BFU	2	LKTR	5	320	Released
8/20/2005	BFU	1	LKTR	6	440	Released
8/24/2005	BFU	1	LKTR	1	420	Kept
8/24/2005	M Tours	1	LKTR	1	890	Kept
8/24/2005	BFU	2	LKTR	1	489	Released
8/24/2005	BFU	1	LKTR	2	410	Released
8/24/2005	M Tours	1	LKTR	2	523	Released
8/24/2005	BFU	2	LKTR	2	421	Kept
8/24/2005	BFU	1	LKTR	3	430	Released
8/24/2005	M Tours	1	LKTR	3	487	Released
8/24/2005	BFU	2	LKTR	3	437	Kept
8/24/2005	BFU	1	LKTR	4	420	Kept
8/24/2005	M Tours	1	LKTR	4	512	Released
8/24/2005	BFU	1	LKTR	5	430	Released
8/25/2005	BFU	1	LKTR	1	450	Released
8/25/2005	BFU	1	LKTR	2	420	Released
8/25/2005	BFU	1	LKTR	3	450	Released
8/25/2005	BFU	1	LKTR	4	430	Released
8/26/2005	BFU	1	LKTR	1	507	Kept
8/26/2005	BFU	1	LKTR	2	465	Released
8/28/2005	BFU	1	LKTR	1	452	Kept
8/28/2005	BFU	2	LKTR	1	430	Released
8/28/2005	BFU	1	LKTR	2	437	Kept
8/28/2005	BFU	2	LKTR	2	440	Kept
8/28/2005	BFU	1	LKTR	3	425	Released
8/28/2005	BFU	2	LKTR	3	440	Kept
8/28/2005	BFU	1	LKTR	4	472	Released

Date	Guide Company	Group #	Species	LKTR #	Fork Length (mm)	Kept/Released
8/28/2005	BFU	2	LKTR	4	460	Kept
8/28/2005	BFU	1	LKTR	5	461	Released
8/28/2005	BFU	2	LKTR	5	420	Kept
8/30/2005	BFU	1	LKTR	1	450	Released
8/30/2005	BFU	2	LKTR	1	460	Kept
8/30/2005	BFU	1	LKTR	2	470	Released
8/30/2005	BFU	2	LKTR	2	390	Kept
8/30/2005	BFU	1	LKTR	3	490	Released
8/30/2005	BFU	1	LKTR	4	420	Released
8/30/2005	BFU	1	LKTR	5	440	Released
	BFU		LKTR	1	430	Released
	BFU		LKTR	2	430	Released
	BFU		LKTR	3	460	Released

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