

Executive Summary

During the summer and fall of 2006 Wet'suwet'en Fisheries continued the Moricetown Canyon steelhead tagging program that was initiated in 1999, in coordination with an ongoing coho, sockeye and chinook tagging program. Coho, sockeye and chinook data were analysed separately by Fisheries and Oceans Canada. The data collected for steelhead migration from July to September 2006 are summarized in this report in conjunction catch per unit effort information summarized in a separate report prepared by Wet'suwet'en Fisheries. The continued objectives of this steelhead tagging program have been to standardize the sampling methodologies, to evaluate in-season population estimates or indices and to monitor the run-timing and relative returns of steelhead migrating upstream of Moricetown Canyon.

Between July 11th and September 26th 2006, 556 steelhead were tagged by beach seining and 1577 steelhead were tagged in the dipnet fishery. Steelhead catch rates obtained from dipnet and beach seine samples exhibited less temporal differences in 2006 than in the initial two years of the study (1999 and 2000), when capture rates by dipnetting decreased notably after September 1st (Labour Day). Catch rates indicate that the tagging program encompassed the beginning and peak time of steelhead migration through Moricetown Canyon, but that a later portion of the migration period may not have been sampled. No comparisons of sex ratios was conducted because gender identification of steelhead in the fall is notoriously difficult, and has been found to be inconsistent during previous years of the study (1999, 2000 and 2001). Fork lengths were compared between dipnet and beach seine catches, and were found to be significantly different. Steelhead captured in the dipnet fishery were significantly larger than those captured in the beachseine fishery in 2006, indicating a bias in capture techniques, which further draws the population estimates into question.

The number of steelhead tagged in 2006 is lower than the targeted number (600-1,000) for a mark-recapture estimate, assuming a population size between 10,000 and 30,000 steelhead, and the number of recaptures in 2006 was relatively high compared to recaptures in previous years of the study, with 3.8% of the steelhead examined in the dipnet fishery having been tagged by beach seining (64 of 1700). Since 1999, the highest proportion of recaptures in the dipnet fishery was achieved in 2003, where 5.5% of the steelhead sampled by dipnetting were recaptures initially tagged in the beach seine fishery (100 of 1805). The lowest proportion of recaptures was in 1999, where only eight steelhead were recaptured in a sampled 1555 steelhead examined in the dipnet fishery. The varying proportions of recaptured steelhead in the dipnet fishery is in large part due to the varying number of tags applied in the beach seine fishery, with a low of 164 (in 1999) and a high of 834 (in 2002). The second highest number of tags applied in the beach seine fishery (656 tags) was in 2003, which corresponds to the highest proportion of recaptures. In 2006, 556 steelhead were tagged in the beach seine fishery downstream of Moricetown Canyon. The number of steelhead tagged in the beach seine fishery in 2005 was lower than the number tagged in 2003, and 2002, similar to the number marked in 2005 (527), and higher than the number of steelhead tagged in the beach seine fishery in 1999, 2000, 2001 and 2004.

Sixty-four of the 556 steelhead tagged downstream of the canyon were recaptured in a sample of 1,700 steelhead examined for tags at the canyon. A 5% tag loss was assumed, based on tag loss estimates for beach seine and dipnet capture steelhead in 2006, and in previous years of the study. The adjusted Petersen estimate for steelhead moving through Moricetown Canyon between July 11th and September 26th, 2006 determined for this mark-recapture data is 13,685 steelhead (95% confidence interval = 10,647-16,703). In addition, a Schaeffer estimate was calculated for steelhead migrating through Moricetown Canyon for the duration of the tagging project. The Schaeffer estimate for the tagging project was 13,734 steelhead. The ML Darroch estimate for the Moricetown tagging project was 14,283 steelhead (95% confidence interval = 8,795-19,771). These estimates should be viewed in light of constraints of the study, including low recapture rates (3.8%), incomplete sampling of the steelhead run, and non-random sampling at the beach seine and dipnet locations. The estimated number of steelhead moving through Moricetown Canyon in the study period is similar to the estimate for the same period in 2003, 2004, and 2005, and lower than the population estimates determined in 1999 to 2002.

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Acknowledgements

We wish to thank Wet'suwet'en Fisheries, in particular Walter Joseph and the Wet'suwet'en Rangers for providing the databases, information, clarification, and input for this report. Thanks go to Brian Michelle for his help in gathering historical hardcopy and digital data. Walter Joseph (Wet'suwet'en Fisheries) and Mark Beere (Ministry of Environment) reviewed a draft version of the report. Funding for data analysis and reporting was provided by the Pacific Salmon Foundation, Vancouver BC.

1.0 Introduction

Wet'suwet'en Fisheries conducted a steelhead tagging program on the Bulkley River at Moricetown Canyon (about 30 km north of Smithers, B.C.) in 2006 to monitor run timing and abundance of steelhead (*Oncorhynchus mykiss*) moving through Moricetown Canyon. This study is a continuation of previous tagging efforts at Moricetown Canyon since 1999 (SKR 2000a, 2001a, 2002a, 2003, 2004, 2006, 2009a). Steelhead tagging at Moricetown Canyon is conducted in conjunction with an extensive adult coho (*Oncorhynchus kisutch*) tagging program, and an adult sockeye salmon (*Oncorhynchus nerka*) tagging program; data for these species are analysed separately by the Department of Fisheries and Oceans Canada (Joseph pers. comm.). In addition, chinook salmon have been tagged at Moricetown since 2002 (SKR 2003a, 2004, 2006, 2008). The steelhead tagging program at Moricetown Canyon was designed by Wet'suwet'en Fisheries, incorporating input from B.C. Environment (MoE) and the Department of Fisheries and Oceans (FOC). The initial three years of the program were jointly funded by Fisheries Renewal B.C. and the FOC. The fourth, fifth, sixth and seventh years of the project were funded by FOC. SKR Consultants Ltd. was retained by Wet'suwet'en Fisheries to monitor data collection in 2005. Budgetary constraints in 2005, 2006 and 2007 prevented Wet'suwet'en Fisheries to fund quality assurance monitoring for 2006 and 2007, as well as data analysis and reporting for steelhead data collected since 2005. The Ministry of Environment retained SKR Consultants Ltd. to conduct cursory data analysis and reporting of data collected after 2005 to follow recommendation number 15 of the Independent Science Panel (Walters et al 2008). This report summarizes steelhead data collected from July 11th, 2006 to September 26th, 2006. The results for the 2005 and 2007 tagging project are provided in separate reports (SKR 2009a and 2009b respectively).

The main objectives of this project were:

- to monitor timing of steelhead migrations through Moricetown Canyon;
- to review, check, and summarize steelhead data collected at Moricetown Canyon; and
- to estimate the number of steelhead in the Bulkley River upstream of Moricetown Canyon in the fall/winter 2006.

2.0 Materials and Methods

The adult steelhead tagging program at Moricetown was designed by Wet'suwet'en Fisheries, MoE and FOC, and was conducted in conjunction with an extensive adult coho and sockeye tagging program, and a coincidental chinook tagging program. Methodologies employed in July to September 2006, were generally similar to those employed in previous years.

2.1 Data Collection

Steelhead were captured using beach seines and dip nets. Beach seining was conducted just downstream of the Moricetown Canyon, while sampling by dipnet was conducted in Moricetown Canyon (Figure 1), using similar methods to those employed since 1999 (Wet'suwet'en Fisheries 2000, 2001, 2002, 2003, 2006, 2007). Steelhead captured by beach seining and by dipnetting at the fishway were tagged using a combination of anchor tags and hole punches of the caudal fin. Methodologies employed for tagging and data collection between July 11th and September 26th, 2006 are described in detail below.

2.1.1 Beach Seine Tagging

Two beach seine crews tagged steelhead captured at the island or shore side immediately downstream of "Idiot Rock", located directly below the campground in Moricetown between July 11th and September 26th, 2006. Beach seine crews generally consisted of five individuals, and the two crews captured and tagged fish from sunrise to sunset. A trail leading from the campground to the beach was used to access the beach seine area on foot. A boat launch located downstream of the campground was utilized to access the beach seine area by boat. The beach seine was set at the campground side on most days (river right), and a beach on the island was used on some days as water levels changed the efficiency of each capture location. A 90 m long by 8 m deep net with a 5 cm (2") diagonal mesh size was used for beach seining purposes (Wet'suwet'en 2007, Michell pers. comm.). The upstream side of the net was tied off to shore, and the net was spread out in a semicircle along the beach shore, and pulled into shore. A jet boat was used to set the net. The net was pulled into shore, ensuring that the lead and float lines did not tangle. Captured fish were identified to species. Steelhead, coho, chinook and sockeye were measured (fork length), checked for tags (anchor tags, fin clips or punches), and their condition and gender was recorded. Tag s used to tag steelhead, coho, Chinook and sockeye are summarized in Table 1. A secondary tag consisting of a lower caudal punch was also applied to assess tag loss. Tag colour and number of all recaptured fish were recorded. The beach seine location was allowed to rest for a minimum of 15 minutes between consecutive sets. The daily number of successful beach seine sets varied, and depended on several factors including day length, weather conditions, number of species caught (i.e. handling time), mending requirements, and potential twisting, tangling or snagging during individual sets.

Table 1. Tag colours and numbers applied by beach seine crews from July to September 2006, Moricetown tagging program.

Species	Tag colour	Tag Numbers
Steelhead	Brown	24500-24545
Steelhead	Orange	44051-44307, 45252-45499, 64619-64650, 65301-65341
Chinook	Grey	8402
Coho	Lime Green	24001-27998
Coho	Orange	2414-2442, 65309-65350
Coho	Red	2101-2500
Sockeye	Orange	62551-62553, 64001-65259
Sockeye	Pink	1001-1245

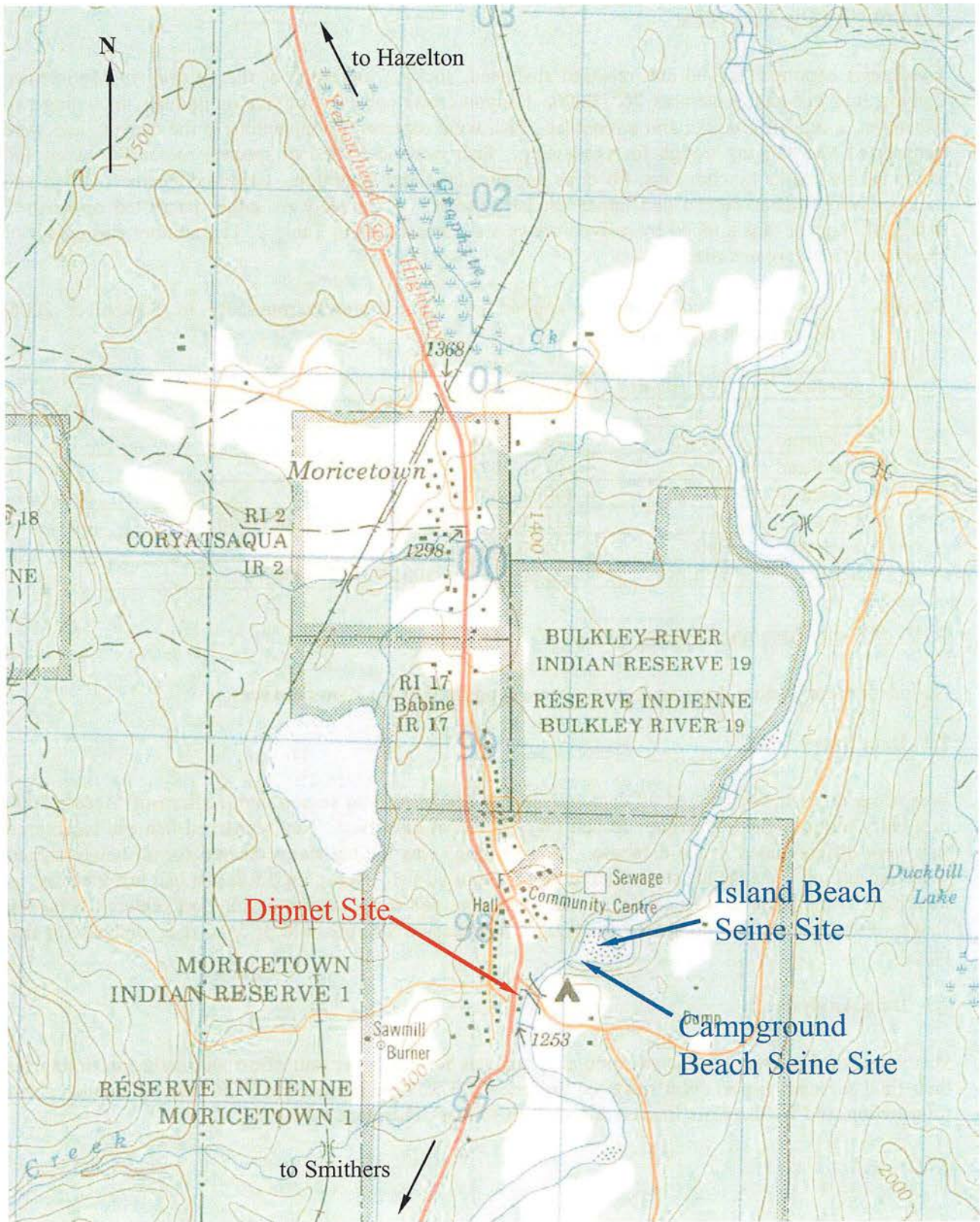


Figure 1. Locations of beach seine and dipnetting operations in the Moricetown Canyon. The map is an excerpt of 093M/03 NTS map (scale is 1:50,000).

2.1.2 Canyon Dip Net Census

Two crews captured, tagged and released steelhead, sockeye and coho at the fishway in Moricetown Canyon July 11th and September 26th, 2006. Canyon crews consisted of five individuals, including two fishermen, a runner, a tagger and a recorder. Fish were captured by dipnetting in the canyon, and were transported to a tagging trough for processing. Fish were identified to species, measured, sexed and examined for marks (anchor tags, fin clips and punches) and condition. Captured steelhead, coho and sockeye were anchor tagged and upper caudal punched. Chinook were either harvested or released untagged. Anchor tags applied by canyon crews are summarized in Table 2. Tag number and colour of recaptured fish were recorded.

Table 2. Tag colours and numbers applied by canyon crews from July to September 2006, Moricetown tagging program.

Species	Tag colour	Tag Numbers
Steelhead	Blue	8666-8668
Steelhead	Brown	24546-24549
Steelhead	Grey	30751-30788, 33332-33349
Steelhead	Orange	44002-46435
Coho	Blue	741, 4003, 4007, 7001-8860, 10601-10633
Sockeye	Pink	1043-1500
Sockeye	Yellow	43364-43387, 93001-93553, 94001-94126

2.1.3 Quality Assurance/Quality Control

No independent Quality Assurance checks were conducted in the 2006 field season.

2.2 Data Entry

Wet'suwet'en Fisheries entered all data collected in the 2006 field season into a Microsoft Access 2000 data entry tool designed by Walter Joseph (Wet'suwet'en Fisheries). Newly marked fish and recaptured fish were differentiated in the database. "Applied tag" was the tag status entered for all newly tagged fish, "recaptured" was the tag status entered for recaptured fish. Recaptured fish that had lost their tag, as identified by the presence of a caudal punch, were identified in the database with "lost" entered as the tag status. Entered data was compared to original field data where possible prior to data analysis for this report.

2.3 Data Analysis

Wet'suwet'en Fisheries conducted some data analysis for catch per unit effort and daily run timing for their final summary report (Wet'suwet'en Fisheries 2007). Data provided to SKR did not include effort information, and we therefore limited this analysis to mark-recapture estimates.

2.3.1 Migration

While effort data was not available from the data set provided, the number of steelhead captured by beach seine and dipnet on each day could be determined. The number of fish captured by beach seine and dipnetting was compared graphically. In addition, the distribution of recaptured steelhead among the marked and censused sample was compared. These comparisons allowed for a subjective assessment of temporal biases in sampling. If the number of fish captured over time is similar between the two capture methods, temporal biases or differences in temporal biases between capture gears are likely small. Conversely, differences in capture rates over time between the two sampling methods may indicate temporal biases between capture methods in the data, and provide insight into which capture method is a better indicator of migration rates, for future development as a catch per unit effort index of population size.

2.3.2 Population Estimates

The population size of fish migrating upstream through Moricetown Canyon from July 11th to September 26th, 2006 was determined using a Schaeffer estimate and an ML Darroch estimate, which are suitable for open populations. A computer program designed by Arnason *et al.* (1996) for population analysis was used to calculate the Schaeffer estimate. To calculate the Schaeffer and the ML Darroch estimate, the study period was divided into weeks (Table 3). A pooled Petersen estimate was also calculated for comparison. If the marking sample or the census sample is random, a Petersen estimate can provide an unbiased estimate of the population size. However, both the mark sample (beach seine), and the census sample (dipnet) were obtained in a non-random fashion (sampling days and times were not determined randomly, sampling period did not encompass entire migration period), and thus population estimates for the sample are biased.

Table 3. Temporal stratification for the Moricetown steelhead data.

Week Number	Start Date	End Date
Week 1	July 11	July 16
Week 2	July 17	July 23
Week 3	July 24	July 30
Week 4	July 31	August 6
Week 5	August 7	August 13
Week 6	August 14	August 20
Week 7	August 21	August 27
Week 8	August 28	September 3
Week 9	September 4	September 10
Week 10	September 11	September 17
Week 11	September 18	September 26

3.0 Results and Discussion

3.1 Data Collection

Data sheets obtained from the Wet'suwet'en Fisheries office appeared generally complete, and contained most of the digital data provided by the Wet'suwet'en Fisheries staff.

3.1.1 Beach Seine Tagging

A total of 549 steelhead were marked during beach seining (466 on the campground side, and 83 on the island side). In addition, seven steelhead tagged in previous years were recaptured during beach seining, and while these fish were not re-tagged, tag numbers were recorded, and were included in the total number of steelhead marked by beach seining in 2006 (total marked is 556). This is an increase from the number of tags applied in 2005 (526 steelhead), 2004 (321 steelhead), 2001 (323 steelhead, 2000 (225 steelhead) and 1999 (164 steelhead), but a decrease of the number of tags applied in 2003 (656 steelhead) or 2002 (835 steelhead) (Table 4). The number of steelhead tagged in 2006 falls below the recommended number of steelhead to be tagged, following the 1999 and 2000 seasons of the project (SKR 2000, 2001a). The minimum number of steelhead recommended for tagging at the start of the 2001 field season was 600 to 1000, assuming a steelhead population size of between 10,000 and 30,000. These numbers are the minimum number of steelhead required to be marked to arrive at a Peterson estimate with an error of 25% of the true population (Ricker 1975).

The increased number of tags applied in 2006 when compared to 1999 and 2000 is in part attributable to more consistent tagging effort due to the availability of back up equipment (jet boat and beach seine). In the initial three years of the study, no back up equipment was available, resulting in the reduction of tagging effort due to equipment failure. The new boat used by Wet'suwet'en Fisheries beach seine crews handled much better, and was more maneuverable than the boat used previously, resulting in better seine sets, and higher catches. Physical changes in the river (e.g. shifting gravel bars), fewer steelhead in the river, and abundance of other species in the catch are possible factors resulting in fewer steelhead captured in 2006 than in 2002 and 2003. Data provided was insufficient to investigate these potential causes of the overall reduced steelhead catch. The 2006 steelhead tagging projects did not include the entire migration period of steelhead through Moricetown Canyon.

Table 4. Comparisons of sample sized obtained at the beach seine, dipnet and fishwheel locations during the steelhead tagging program conducted at Moricetown Canyon in 1999-2005 (see SKR 2000a, 2001a, 2002a, 2003a, 2004, 2006, 2008a).

Year	Number of steelhead		
	Beach seine ¹	Dipnet ³	Fishwheel
1999	164	1555	n.a.
2000	225	1010	11
2001	323	1183	18
2002	835	1933 (incl. 3 steelhead with lost tags)	None reported
2003	656	1805	n.a.
2004	321 ²	1568	n.a.
2005	526 ²	1636	n.a.
2006	556	1700	n.a.

¹ excludes recaptures from this study

² includes 3 steelhead for 2004, 5 steelhead for 2005, and 7 steelhead for 2006 tagged in previous years of the study

³ excludes recaptures initially tagged at dipnet location; includes steelhead originally tagged by beach seine

3.1.2 Canyon Dip Net Census

A total of 1,763 steelhead were captured by the dipnet crews between July 11th and September 18th, 2006. Sixty-three of these steelhead were originally tagged by dipnetting and recaptured by dipnetting (54 tagged steelhead and 9 steelhead that lost their tags). These repeat recaptures were excluded from the number of steelhead examined since they represent the same fish. Therefore, the number of steelhead examined for tags by dipnetting was reduced to 1,700. This is the third highest number of steelhead examined in the dipnet fishery, next to 2003 and 2002 when 1,805 and 1,933 steelhead were examined, respectively. The number of steelhead examined in the dipnet fishery is 5.8% lower than for 2003 (1,805), and 13.7% lower than for 2002 (1,933). However, the number of steelhead captured by dipnetting is 8.5% higher than in 1999 (1,555), 40.5% higher than in 2000 (1,010), 30.4% higher than in 2001 (1,183), 7.8% higher than in 2004 (1,568), and 3.8% higher than in 2005 (1,636) (Table 4). The minimum number of steelhead that should be examined for tags to arrive at a Petersen estimate with a 25% error from the true population size is 1,000 to 2,000 with an expected population size between 10,000 to 30,000 steelhead (SKR 1999, 2000, Ricker 1975). The number of steelhead examined falls within the range recommended if the actual population size is between 10,000 and 30,000 steelhead.

3.2 Data Entry

Data entry conducted by Wet'suwet'en Fisheries staff were submitted digitally for QA. Comparisons of field data forms and digital data revealed that few data entry problems were present. The number of duplicate tags in the raw data and database was higher in 2006 (16 of 2406; 0.67%) than in 2004 (0.35%) and 2000 (0.13%), but was lower than in 2005(2.3%), 2003 (1.6%), and 2001 (1.2%). Some of the duplicate could be resolved after comparison of the digital data with field datasheets, but 10 duplicate records remain in the dataset (0.42%). Incomplete tag numbers recorded in the original data sheets, especially for the canyon crews, resulted in greater uncertainties around tag numbers, and limited the ability to resolve duplicate tag records, and recapture tags with missing original tag data information.

The QA process found problems with an additional 42 records (1.7%), excluding simple spelling mistakes or inconsistent coding for tag colours. Common errors included tag status (10 records), tag numbers (19 records), tag colour (6 records), length and sex data (4 records), and missing records (3 records).

3.3 Data Analysis

Wet'suwet'en Fisheries handled a total 2,256 steelhead in July to October 2006. The majority of these steelhead (1,700) were captured at Moricetown Canyon in the dipnet fishery, 1,577 of which were tagged at the canyon, 95 were recaptures from this or other studies, 4 were recaptures that had lost their tags, 11 were harvested, and 17 were released untagged. The 556 steelhead that were tagged just downstream of Moricetown Canyon were considered to be the number of marked fish (M) for the calculation of the adjusted Petersen estimate. Of the 556 steelhead tagged by beach seining, 64 were recaptured in the canyon dipnet fishery (Table 5).

Table 5. Applied and recaptured steelhead tags for the 2006 Moricetown steelhead tagging program.

	Beach Seine Tags (d/s of the canyon)	Dipnet Tags (in canyon)
Applied	556 ¹	1700 ³
Recaptured by Dipnet (in canyon)	64 ² (excl. 4 steelhead that lost tag)	54 (excl. 9 steelhead that lost tags)
Recaptured by beach seine (d/s of canyon)	12 (excl. 0 steelhead that lost tag)	28 (excl. 3 steelhead that lost tags)

- 1 The number of tags applied by beach seine equals M in equation 1
- 2 The number of beach seine tagged steelhead recaptured by dipnetting equals R in equation 1 (note 2 recaptured steelhead had lost their tags; these fish were excluded from "R" because it could not be determined if these fish were repeat recaptures or not)
- 3 This number includes 28 steelhead not tagged at the dipnet location, of which 17 were harvested

In addition to recaptures used for population estimates (Table 5), 53 other tagged steelhead were recaptured in this study. Most of these steelhead originated from other tagging studies, including 38 from previous years of the project (Appendix 3). Tag number from eight recaptured steelhead could not be matched to applied tag records of this or previous years of the study, and it is unclear when these tags were applied. In addition, seven recaptures were identified as steelhead on recapture, but as a different species (coho or sockeye) at initial capture. These records were deleted from the population estimate calculations. Of the 175 steelhead recaptured in the study, 17 steelhead had lost their tags, but the initial capture location could be identified by the secondary mark (caudal punch) for all except one of the steelhead. This indicates that approximately 9.7% of the tagged steelhead lost their tags. Tags from other studies, or tags with incomplete initial tagging data or recapture data were not used in the calculation of the population estimate.

In total, 19 steelhead were harvested during the 2006 Moricetown steelhead tagging project. Most of these steelhead were harvested at the dipnet fishery (18, 94.7%), and only one untagged steelhead was harvested in the beach seine fishery (5.3%). Of the 18 steelhead harvested in the dipnet fishery, one (5.6%) was a recapture initially tagged in the dipnet fishery, and 17 (94.4%) were untagged steelhead.

3.3.1 Timing of Migration

The number of steelhead captured by beach seine and dip netting throughout the study period were compared graphically (Figure 2). The first steelhead was captured on July 27th in the dipnet fishery, and the first steelhead in the beachseine fishery was captured on August 7th, 2006. The tagging program started well in advance of these dates, with the first Pacific salmon captured in early July (July 11th for beach seine fishery, and July 21st for dipnet fishery). This indicates that the timing of the mark-recapture study at Moricetown canyon encompassed the start of the steelhead migration period.

Capture dates for steelhead at the start of the migration season in 2006 coincide with capture dates in previous years of the study (usually the last week of July or first week of August). Daily beach seine catch increased gradually at the end of July and the beginning of August, to a peak of 46 on August 30th, then fluctuated between 15 and 39 until a second peak of 67 steelhead on September 14th. Fluctuating catch rates may be due to varying catch efficiencies due to environmental factors (e.g. water level, water clarity), effort by individual crews (contingent on day length, catch of other species etc), capture locations (sampling on the island as well as the campground site on some days), or they may be indicative of fluctuating migration rates or travel routes. Peak catch rates for steelhead in the beachseine fishery appear to be delayed by approximately 2 weeks from those observed in 2005, where steelhead catch rate peaked on August 22nd.

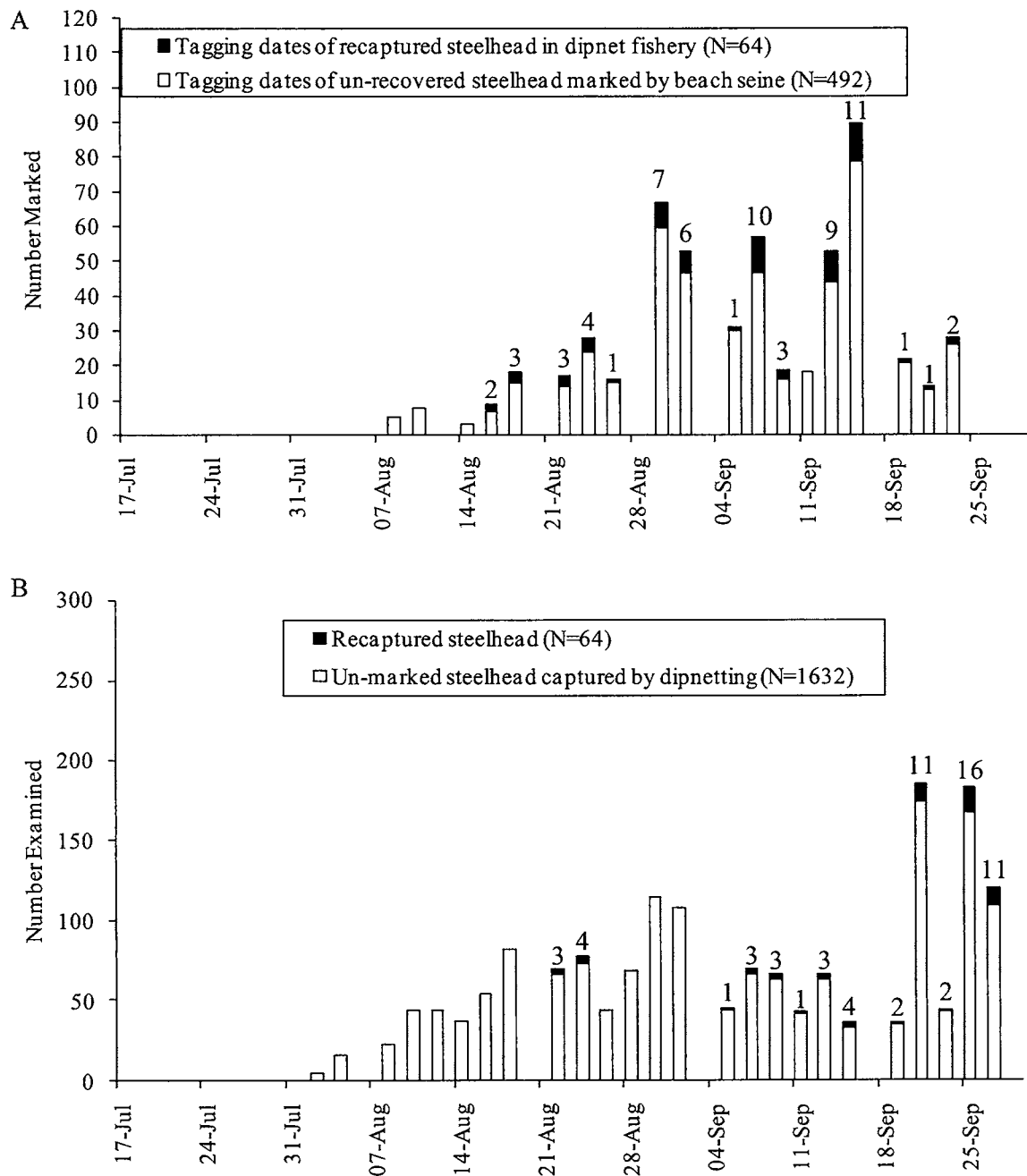


Figure 2. Temporal distribution of tag application during beach seining (A), and of examination for tags during dipnetting (B) during the 2006 steelhead population estimate study. Data labels in the graphs indicate the number of recaptured steelhead. The two recaptured steelhead that lost their tag are excluded from the graph.

Steelhead catch in the canyon peaked on September 25th (168 steelhead), with similarly high catches of steelhead, exceeding 100 fish, on September 20th and September 26th. This is considerably later than peak capture rates in 2005 (August 17th and August 19th) (SKR 2008a), 2004 (August 18th and August 19th) (SKR 2006), and 2003 (August 23rd and 28th) (SKR 2005), however timing of the peak capture rates in 2006 is similar to a second, minor peak in daily steelhead catch rate on September 19th and 22nd, 2005 (SKR 2008a) and September 16th and 18th, 2002 (SKR 2003). The absence of a significant earlier peak in steelhead catch rates at Moricetown Canyon in 2006 may be a result of differences in annual migration patterns, or different catch efficiencies (e.g. due to different water levels, experience of crews, migration path of fish in the canyon, catch rates of other species).

Overall, the low capture rates for steelhead in both the beach seine and the dipnet fishery at the start of the study suggests that the sampling protocol was successful in encompassing the early part of the steelhead migration period, but the continued capture of steelhead to the termination of the study implies that the later part of the run was not sampled during the tagging study.

The early termination of the study resulted in incomplete sampling of the steelhead run. A greater proportion of steelhead tagged early in the beach seine fishery were recaptured in the dipnet fishery (Figure 3). The percent of recaptures in the dipnet fishery was generally greater towards the end of the study than at the beginning. These two trends are speculated to reflect the lag time between mark dates and recapture dates as steelhead move upstream through Moricetown Canyon. The different proportions of recaptures in the study indicates that steelhead tagged earlier in the study are more likely to be recaptured than steelhead tagged later in the study, which introduces bias to the population estimate.

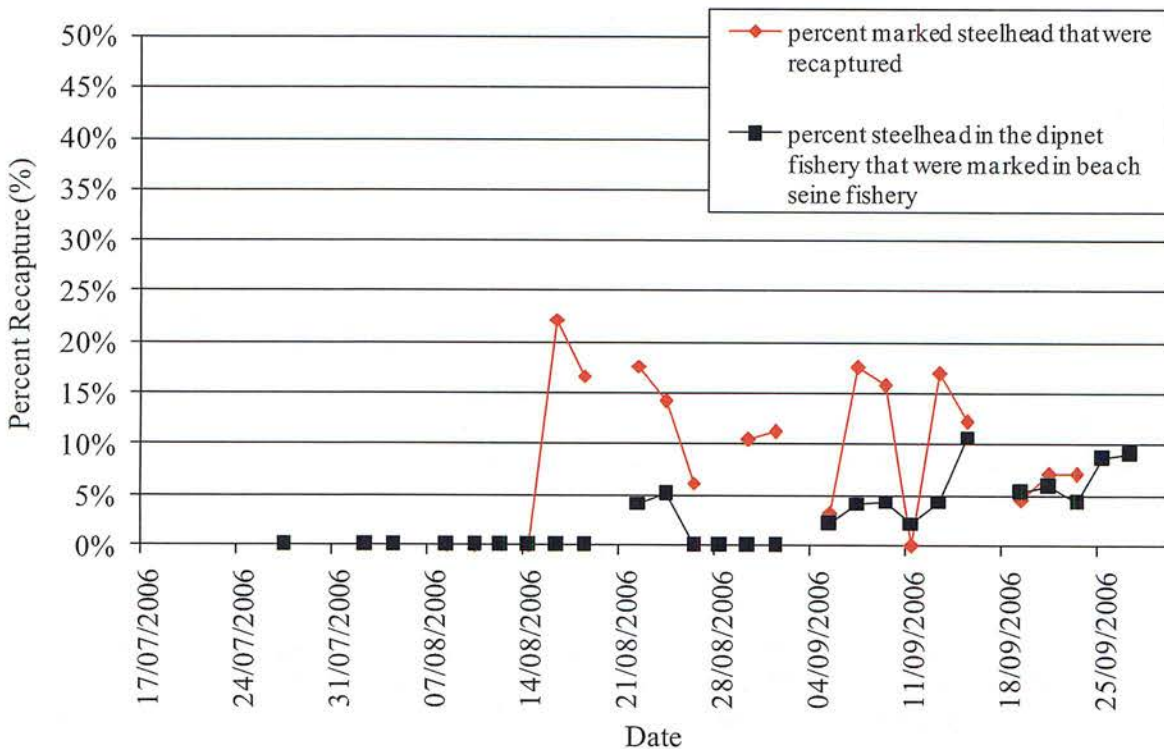


Figure 3. Percent recapture rate for steelhead tagged in the beach seine fishery (♦) and for steelhead examined in the dipnet fishery (+).

Of the 1700 steelhead captured by dipnet crews, tags were applied to 1577, while 68 steelhead were recaptures from the beach seine fishery (including 4 that had lost their tags), 27 were recaptures from previous years of the study, 17 were harvested and 11 were released untagged (steelhead escaped prior to tagging, insufficient tags available on some tagging dates). Recaptures in the dipnet fishery and the beach seine fishery resulted in the capture of 54 and 28 steelhead originally tagged in the dipnet fishery, respectively. This indicates that some steelhead drop back after handling and tagging. The 2006 recapture rate of drop backs (5.2%) is lower than the recapture rate of drop backs for 2005 (7.2%), 2004 (5.6%), 2003 (6.1%), or 2001 (5.4%), but higher than the rate for 2002 (4.3%) and 2000 (4.4%) (SKR 2001a, 2002a, 2003a, 2004, 2005, 2008a). The actual drop back rate is higher than the recapture rate since catchability must be taken into account. Catchability of tagged steelhead in the dipnet fishery is estimated as 11.5% (64 recaptures of 556 tagged fish from beach seine fishery), and the actual drop back rate for 2006 is likely around 29.8%. Steelhead tagged during dipnetting and falling back, were recaptured within 0 to 27 days by beach seining (mean = 9.77 days, SD = 8.207), while steelhead tagged during dipnetting were recaptured by dipnetting within 0 to 35 days (mean = 14.87 days; SD = 9.300). Steelhead tagged in the beach seine fishery were recaptured between 1 and 32 days in the dipnet fishery (mean 12.1 days, SD = 7.634), and between 8 and 28 days in the beachseine fishery (mean = 14.1, SD = 5.683). Since it is unknown what the natural frequency of drop backs at Moricetown Canyon is, it is difficult to speculate on how much of the observed drop back is due to tagging and handling of the fish. Increased drop back of steelhead tagged in the beach seine fishery compared to natural drop back rates can affect the population estimates since steelhead that drop back are less likely to be recaptured in the dipnet fishery, thus resulting in a lower recapture rate, and a higher population estimate.

3.3.2 Schaeffer and ML Darroch Estimates

The Moricetown mark-recapture study takes advantage of the fact that steelhead are moving through Moricetown Canyon. Therefore, the levels of immigration and emigration are significant, and a Petersen estimate may not be the most appropriate mark-recapture estimate. A Schaeffer estimate, suitable for migrating fish, was calculated for this study (Ricker 1975). In addition, an ML Darroch estimate was computed, since confidence intervals can be determined for the ML Darroch estimate, while no confidence intervals are associated with the Schaeffer estimate (Arnason *et al* 1996). For these estimates, the study was broken into weekly intervals, with tagging and recovery determined for each week (Appendix 4). Due to low sample sizes in the initial three weeks of tagging at the beach seine location, the data for the initial three weeks were pooled. A 5% tag loss was applied to the estimate to compensate for steelhead that had lost their tags, as in previous years of the study. Tag loss of tags applied in the beach seine fishery in 2006 approximates 5% (5.2%), however overall tag loss for steelhead tagged in the beach seine and dipnet fishery is higher than 5% (10.1%). Four of the 76 recaptured steelhead initially tagged by beach seine had lost their tag (5.2%). Twelve of the 82 steelhead initially tagged in the dipnet fishery and recaptured in either the beach seine or the dipnet fishery had lost their tag (14.6% tag loss). Tag loss estimates in this study may be overestimates of true tag loss because steelhead handled in previous years, which were also identified by both, an anchor tag and a secondary tag (lower or upper caudal punch), may be mistaken for steelhead tagged in this season that have lost their tags. It is possible that some of the steelhead with lower or upper caudal punches are repeat spawners, and not steelhead tagged in the beach seine fishery in 2005.

To arrive at the Schaeffer estimate, data for the first four tag weeks were combined as no steelhead were captured in either the beachseine or the dipnet fishery until the fourth week of the study. This resulted in seven weeks of steelhead data for both the dipnet and beachseine fisheries. Steelhead census weeks 1, 2 and 3 were pooled as none of the steelhead sampled in weeks 1 and 2 were recaptures. In addition, steelhead census week 4 was pooled with census week 5 as none of the steelhead in census week 4 were recaptures. Data for steelhead tag weeks 1 and 2 were pooled as there were no recaptures from week 1.

The Schaeffer estimate was calculated as 13,734 steelhead moving through Moricetown Canyon between July 11th and September 26th, 2006. The ML Darroch estimate was 14,283 (SE = 2,800) with a 95% confidence interval ranging between 8,795 and 19,771 steelhead upstream of Moricetown Canyon. The broad confidence interval, could not be reduced by further pooling of the data. The ML Darroch estimate is slightly higher than the Schaeffer estimate, and the confidence interval for the ML Darroch estimate brackets the Schaeffer estimate. Since the study was terminated on September 26th, 2006, the rate or proportion of steelhead migrating through Moricetown Canyon after that date is unknown. Because the tagging project did not encompass the entire migration period for steelhead, both the ML Darroch (14,283; 95% CI = 8,795-19,771) and the Schaeffer estimate (13,734) are underestimates of the number of steelhead moving through Moricetown Canyon in the late summer and fall of 2006.

3.3.3 Petersen Estimate

Due to low proportions of recaptures in the initial three years of the study, an adjusted Petersen estimate was used to estimate the number of steelhead migrating through Moricetown canyon in 1999, 2000 and 2001. For comparisons to previous years, an adjusted Petersen estimate was generated for steelhead migrating through Moricetown Canyon between July 11th, 2006 and September 26th, 2006. Two sets of tags (anchor tags and caudal punch) were used to evaluate the proportion of tag loss. Since steelhead captured in the beach seine fishery were both anchor tagged and lower caudal punched, tag loss for steelhead tagged downstream of the dip net location could be evaluated. As for the ML Darroch and Schaeffer estimates, a 5% tag loss was assumed, which is similar to the 5.2% tag loss estimated from secondary tags applied at the beach seine fishery. The pooled Petersen estimate was calculated as 13,675 steelhead (SE = 1,545, 95% confidence interval = 10,647-16,703), which moved through Moricetown Canyon during the fall tagging program. Petersen estimates for the number of steelhead moving through Moricetown Canyon in 1999 to 2006 are summarized in Table 6. The sample size is a notable improvement from the 1999, 2000 and 2001 field seasons, but is lower than the sample size in the 2003 field seasons (Table 4).

In previous years, mis-identification of steelhead that were recaptured accounted for up to 2.2% of the recaptured steelhead in the study. These fish were identified as steelhead by one crew (either beach seine or dipnet crews), but they were identified as a different species (usually coho) by another crew. In 2003 and 2004, only one fish was identified inconsistently. In 2003, the fish was initially tagged as a steelhead, but recorded as a sockeye upon recapture, and in 2004 a fish was initially tagged as a coho but identified as a steelhead upon recapture. In 2005, two recaptures were initially identified as a coho, but were identified as a steelhead upon recapture. In 2006, a marked increase in the number of inconsistent species identification was noted. A total of seven recaptures were identified as either coho (4 fish) or sockeye (3 fish) on initial capture, and as a steelhead on recapture, accounting for 4.2% of recaptured steelhead. As in the previous three years, these records were excluded from the data analysis.

Table 6. Comparisons of adjusted Petersen Population estimates calculated for steelhead migrating upstream of Moricetown Canyon in 1999, 2000, 2001 (Mitchell 2001, SKR 2000, 2001a), 2002 (SKR 2003a), 2003 (SKR 2004), 2004 (SKR 2005), 2005 (SKR 2008a) and 2006. For studies with multiple estimates, the most conservative estimate is summarized here.

Study	Sample size			Adjusted Petersen Estimate	95% Confidence Interval ⁵	
	# marked	# examined	# recaptured		Lower	Upper
Moricetown tagging 1999 ¹	164	1555	8	28,527	16,250	58,350
Sport fish estimate spring 2000 ²				27,005	22,261	35,479
Moricetown tagging 2000 ³	225	734	3	41,428	18,876	103,819
Sport fish estimate autumn 2000 ²	1161	831	42	22,627	17,200	32,135
Moricetown tagging 2001 ⁴	323	1182	18	20,173	13,820	31,477
Moricetown tagging 2002 ⁶	834	1998	65	25,289	20,596	33,941
Moricetown tagging 2003 ⁶	656	1805	100	14,963	12,390	17,535
Moricetown tagging 2004 ^{5,6}	321	1568	32	14,581	11,054	23,228
Moricetown tagging 2005	527	1636	54	14,912	11,289	18,535
Moricetown tagging 2006	556	1700	64	13,685	10,647	16,703

¹ (SKR 2000) based on 8 recaptures; ² (Mitchell 2001), ³ (SKR 2001a) based on 3 recaptures, ⁴ SKR 2002a

⁵ Confidence intervals (CI) for the sport fish estimates and the Moricetown 2002, 2003, 2005 and 2006 estimate are based on the normal approximation; all other CI calculations were determined using the Poisson Frequency distribution (Krebs 1999)

⁶ the 2002 (SKR 2003a), 2003 (SKR 2004a) and 2004 tagging projects did not encompass the entire steelhead migration period, since the studies were terminated earlier than previous years of the study, and did not sample the later portion of the steelhead migration.

When compared to the steelhead adult tagging project at Moricetown Canyon conducted in 1999 (SKR 2000, Mitchell 2000, 2001), 2000 (SKR 2001a), 2001 (SKR 2002a), and 2002 (SKR 2003a), the steelhead population estimates for 2003 to 2006 are lower than any of the other estimates. Estimates for 2003 and to 2006, with the 2006 estimate being the lowest estimate since the start of the Moricetown Steelhead tagging studies in 1999. The lower population estimates for steelhead at Moricetown Canyon in 2003, 2004 and 2006 are partly attributable to the earlier termination of the study than in any of other years. The population estimate for 2005 is slightly higher than those for 2004 and 2006, which is likely in part due to the longer duration of the study in 2005, encompassing more of the steelhead run. Trends in estimated steelhead population size from the Moricetown tagging study are similar to those of the tyee test index for steelhead (Figure 4). Years with a higher tyee test index generally correspond to years with a higher mark-recapture estimate. However, the slight decline in the tyee test index from 2003 to 2005, and the marginal increase in the index from 2005 to 2006 were not observed in the mark-recapture estimates at Moricetown, which is speculated to be in part due to a longer tagging season in 2005 compensating for lower steelhead numbers. Catch rate data were not available for Moricetown to collaborate this hypothesis. While the confidence intervals around the estimated steelhead population sizes at Moricetown Canyon in 1999 and 2000 make comparisons difficult, the trends in estimated population sizes for steelhead at Moricetown Canyon correspond to trends in the cumulative steelhead escapement index observed in the Tyee Test Fishery (FOC 2008).

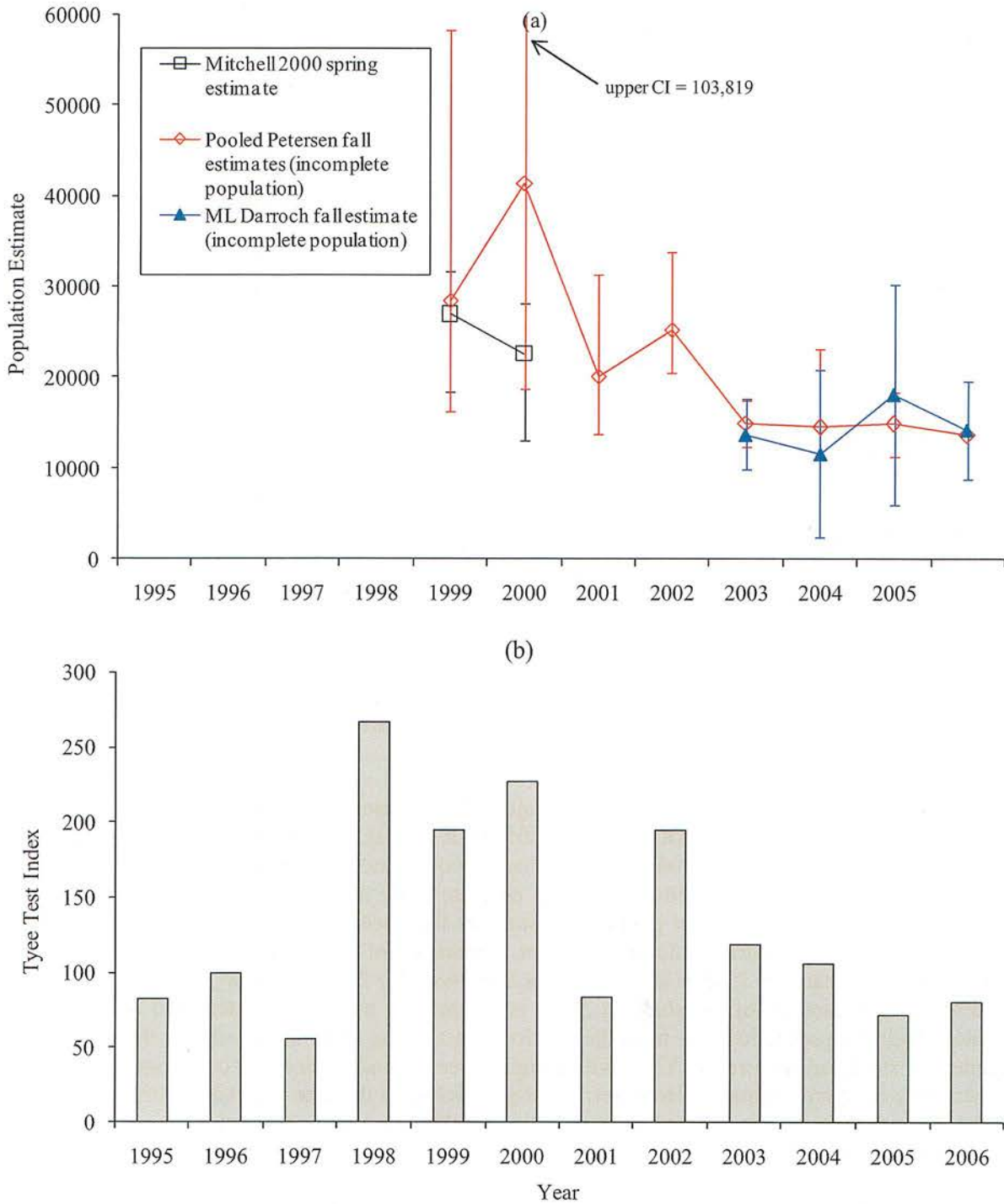


Figure 4. Estimated population size for steelhead upstream of Moricetown Canyon (a), and Tyee test fishery index (b). Error bars in (a) indicate 95% confidence intervals. Please note that the tagging project in 2002, 2003, 2004 and 2006 was terminated earlier than in other years of the study, with the last date of sampling September 27th, 2002, September 19th, 2003, September 13th, 2004, and September 26th, 2006 respectively.

3.3.3.1 Assumptions of the Petersen Estimate

Mark-recapture estimates assume random samples of marked or unmarked fish, or that marked fish mix randomly with unmarked fish, that immigration, emigration, mortality and natality are negligible during the study, that marked fish are in every way the same as un-marked fish, and that marked fish do not lose their marks (Bagenal 1978, Krebs 1999). Almost all mark recapture studies violate at least some of these assumptions to some degree, which results in decreased accuracy of the estimate. If violations are severe, resulting estimates can be misleading. Therefore, it is important to evaluate to what extent the underlying assumptions of the mark-recapture study are violated, and if adjustments can be made to compensate for these violations. The potential presence of sampling biases and low recapture ratios (3.8% of censused fish) affects the accuracy and precision of the Petersen Estimate, and must be taken into consideration when refining this study.

Differences in capture rates of sampling gear over time, fork length and sex ratio comparisons can indicate selectivity in capture methods, which influence the validity of population estimates (Ricker 1975, Bagenal 1978, Krebs 1999). As in previous years, some temporal and gear biases may exist in the data obtained for the 2006 Moricetown tagging program, but these biases were less severe than in the initial two years of the study. While temporal biases in capture rates between dip net and beach seine sampling observed in 1999 and 2000 were reduced in 2001 to 2006, systematic sampling on weekdays for dipnet crews and beach seine crews results in non-random sampling, which violates assumptions for the Petersen estimate. Sampling on weekends can be achieved by adding one extra beach seine crew, and rotating crews on work schedules that would cover weekday and weekend days (e.g. 4 days on, 2 days off). Alternatively, sampling times could be selected by randomly choosing sampling blocks during the study period. Gender biases were observed between steelhead data collected in the beach seine and dipnet fishery in previous years (SKR 2000, 2001a, 2002a), but these are speculated to be due to difficulties in sex determination due to the lack of clear secondary sexual characteristics, and are assumed to stem from biases between crews rather than biases between gear. Because gender was not consistently and accurately assigned, fork length of steelhead captured at the dipnet and beach seine location for both males and females were grouped together. Fork lengths of steelhead captured in the beachseine fishery (Mean = 70.65, SE = 0.346) was significantly smaller than fork lengths of steelhead captured in the dipnet fishery (Mean = 72.1, SE = 0.222; Mann Whitney U statistic = 511074.00, $p = 0.001$). The significant difference in fork length between capture locations is similar to findings in 2004, where steelhead were significantly larger at the dipnet site when compared to the beach seine site ($U=265386$, $p=0.005$) (SKR 2006), but is contrary to findings in 2005, 2003 and 2001, where fork lengths did not differ significantly between gear type (SKR 2002a, 2004a, 2009a).

The use of multiple tags during the Moricetown steelhead tagging study allowed for an assessment of the frequency of tag loss. The low tag loss rate indicates that tagging methods are adequate for mark-recapture studies in the canyon. However, the study was not designed to determine the extent of mortality during the study period. Mortality, resulting from predation, unknown harvest levels, or other causes, was not accounted for in the data. In addition, the effect of capture and tagging on survival rates or behaviour of steelhead was not determined in the study. Some reduction in the survival of steelhead after capture and tagging may exist, and if this reduction is significant, the population size would be overestimated. Survival of captured and tagged fish could be evaluated to some degree by retaining a sub-sample of fish overnight, and determining their survival within 24 hours of capture and tagging. In addition, mark-recapture ratios could be evaluated upstream through angling, snorkel counts, fence counts (e.g. Toboggan Creek) or other methods to determine if the mark-recapture ratio changes. A change in mark-recapture ratio would indicate that differential mortality may be occurring between the un-marked and marked group of steelhead.

4.0 Recommendations

Detailed recommendations for this study were provided in the previous years' reports (SKR 2000, 2001a, 2002a, 2003a, 2004), and only recommendations found in addition to those mentioned previously are listed below. For a complete set of recommendations, the reader should also consult the 1999 summary report (SKR 2000) as well as communications regarding the QA portion of the project (SKR 2001b, 2002b) and the summary report for the 2002 Moricetown tagging project (SKR 2003a).

4.1 Increasing Beach Seine Steelhead Catch

If the true steelhead population is assumed to range between 10,000 and 30,000, the minimum number of steelhead tagged in the beach seine fishery should be between 600 and 1,000. In 2006, the number of steelhead tagged in the beach seine fishery fell slightly short of this target. To increase the number of steelhead tagged, the following should be attempted:

- Extend the study to encompass the main portion of the steelhead migration period. Early termination of the study will not provide a complete population estimate.
- Investigate other potential sites that could be used for beach seining where steelhead capture rates may increase. Physical changes to the river bottom may render previously productive steelhead fishing areas less productive. Other potentially suitable beach seine locations may exist between the boat launch and the canyon. These sites should be investigated using a sounder, and the older beach seine.
- Crews may need to shift to various beach seine locations as river levels change during the tagging period.
- Add an additional crew to allow for sampling on weekends and statutory holidays, and/or to let crews work additional hours during peak migration times.

To increase the potential recapture of steelhead tagged late in the season on the beach seine fishery, consideration should be given to extending the dipnet fishery one week past the end of the beach seine fishery. This would provide steelhead tagged on the last few days in the project a higher probability of being recaptured and decrease some of the bias in the population estimate.

4.2 Record Keeping for Sport Fish Recaptures

Since 2002, Wet'suwet'en Fisheries used their own tags, which were labeled with the Wet'suwet'en Fisheries address. It is strongly suggested the Wet'suwet'en Fisheries continues the collection of steelhead recapture information from the sport fishery.

4.3 Future Studies

A large number of steelhead are tagged at Moricetown Canyon each year. The value of tagging such a large number of fish is primarily for estimation of population sizes. Indices of population sizes can be developed through comparisons of catch per unit effort data to estimated population size. Currently, the mark recapture data and the catch per unit effort data are analysed separately. A comprehensive report summarizing the last five years of mark recapture and CPUE data should be prepared to evaluate if a CPUE index can be derived for the Moricetown Canyon project.

In-season estimation of population sizes is valuable for management decision-making in season. Currently, data collected during the field season are not entered until the winter, when more time is available for Wet'suwet'en Fisheries staff. It would be valuable to try to enter data in-season so that periodic estimates on run status can be conducted.

The steelhead tags applied at Moricetown canyon are not utilized for further studies on steelhead life history and population dynamics. Until the spring of 2003, an adult steelhead fence was operated on Toboggan Creek. Marked to unmarked ratios of steelhead tagged at Moricetown and captured at Toboggan Creek could be used to estimate population size, and resulted in the ability to compare population estimates in more than one location. In addition, data collected was used to estimate the contribution of the Toboggan Creek steelhead population to the number of steelhead upstream of Moricetown Canyon. Other studies, such as marked to unmarked ratios at spawning locations, which could be determined using a variety of methods (e.g. angling, snorkel counts) have not been developed, but could be valuable in increasing our understanding of steelhead population dynamics in the Bulkley River and tributaries.

A large number of steelhead are captured during the Moricetown tagging project, and the study can be used as a site for other studies on steelhead in the Skeena Region. For example, DNA, fish health sampling, and age structure projects could build on the Moricetown tagging project.

Since steelhead have been tagged since 1999, and because of the relatively large number of steelhead sampled at Moricetown, this study can provide useful data on the proportion of steelhead that are repeat spawners in consecutive as opposed to alternate years, and on the proportion of spawners that are repeat spawners.

5.0 References

- Arnason, A.N., C.W. Kirby, C.J. Schwarz, and J.R. Irvine. 1996. Computer analysis of data from stratified mark-recovery experiments for estimation of salmon escapements and other populations. *Can. Tech. Rep. Fish. Aquat. Sci.* 2106: vi+37p.
- Bagenal, T. 1978. *Methods of Assessment of Fish Production in Fresh Waters*. 3rd ed. Blackwell Scientific Publications, Oxford, IBP Handbook No. 3.
- Department of Fisheries and Oceans Canada. 2004. Tyee Test Fishery data. [http:// www.pac.dfo-mpo.gc.ca/ops/northfm/skeena/steelhead](http://www.pac.dfo-mpo.gc.ca/ops/northfm/skeena/steelhead).
- Joseph, W. Personal Communications. Wet'suwet'en Fisheries, Moricetown, B.C.
- Krebs, C.J. 1999. *Ecological Methodology*. 2nd ed. Addison – Wesley, New York.
- Michell, B. 2009. Personal Communications. Wet'suwet'en Fisheries, Moricetown, BC.
- Mitchell, S. 2000. A Petersen Mark-Recapture Estimate of the Steelhead Population of the Bulkley/Morice River Systems Upstream of Moricetown Canyon. Unpublished report prepared for the Steelhead Society of British Columbia, Bulkley Valley Branch and Fisheries Renewal BC.
- Mitchell, S. 2001. A Petersen Mark-Recapture Estimate of the Steelhead Population of the Bulkley/Morice River Systems Upstream of Moricetown Canyon During Autumn 2000, Including Synthesis with 1998 and 1999 Results. Unpublished report prepared for the Steelhead Society of British Columbia, Bulkley Valley Branch and Fisheries Renewal BC.
- Ricker, W.E. 1975. Computation and Interpretation of Biological Statistics of Fish Populations. *Bull. Fish. Res. Bd. Can.* No. 191.
- SKR Consultants Ltd. 2000a. 1999 Steelhead Tagging Project at Moricetown Canyon by Wet'suwet'en Fisheries. Unpublished report prepared for Wet'suwet'en Fisheries, Moricetown, BC.
- SKR Consultants Ltd. 2000b. Letter to Walter Joseph regarding Moricetown adult coho and steelhead tagging program – late summer and fall 2000, dated August 23rd, 2000. Letter to Wet'suwet'en Fisheries, Moricetown, B.C..
- SKR Consultants Ltd. 2000c. Letter to Walter Joseph regarding Moricetown adult coho and steelhead tagging program – late summer and fall 2000, dated September 18th, 2000. Letter to Wet'suwet'en Fisheries, Moricetown, BC.
- SKR Consultants Ltd. 2001a. 2000 Steelhead Tagging Project at Moricetown Canyon by Wet'suwet'en Fisheries. Unpublished report prepared for Wet'suwet'en Fisheries, Moricetown, BC.
- SKR Consultants Ltd. 2001b. Letter to Walter Joseph regarding Moricetown adult coho and steelhead tagging program – late summer and fall 2000, dated January 31st, 2001. Letter to Wet'suwet'en Fisheries, Moricetown, BC.
- SKR Consultants Ltd. 2002a. 2001 Steelhead Tagging Project at Moricetown Canyon by Wet'suwet'en Fisheries. Unpublished report prepared for Wet'suwet'en Fisheries, Moricetown, BC.

- SKR Consultants Ltd. 2002b. Letter to Walter Joseph regarding Moricetown adult coho and steelhead tagging program – late summer and fall 2001, dated March 31st, 2002. Letter to Wet'suwet'en Fisheries, Moricetown, BC.
- SKR Consultants Ltd. 2003a. 2002 Steelhead Tagging Project at Moricetown Canyon by Wet'suwet'en Fisheries. Unpublished report prepared for Wet'suwet'en Fisheries, Moricetown, BC.
- SKR Consultants Ltd. 2003b. Letter to Walter Joseph regarding Moricetown adult coho and steelhead tagging program – late summer and fall 2001, dated March 31st, 2003. Letter to Wet'suwet'en Fisheries, Moricetown, BC.
- SKR Consultants Ltd. 2004. 2003 Steelhead Tagging Project at Moricetown Canyon by Wet'suwet'en Fisheries. Unpublished report prepared for Wet'suwet'en Fisheries, Moricetown, BC.
- SKR Consultants Ltd. 2006. 2004 Steelhead Tagging Project at Moricetown Canyon by Wet'suwet'en Fisheries. Data Analysis and Recommendations. Unpublished report prepared for Ministry of Environment, Smithers, BC.
- SKR Consultants Ltd. 2009a. 2005 Steelhead Tagging Project at Moricetown Canyon by Wet'suwet'en Fisheries. Data Analysis and Recommendations. Unpublished report prepared for the Pacific Salmon Foundation Vancouver, BC and the Ministry of Environment, Smithers, BC.
- SKR Consultants Ltd. 2009b. 2007 Steelhead Tagging Project at Moricetown Canyon by Wet'suwet'en Fisheries. Data Analysis and Recommendations. Unpublished report prepared for the Pacific Salmon Foundation Vancouver, BC and the Ministry of Environment, Smithers, BC.
- Walters, C.J., J.A. Lichatowich, P.M. Peterman and J.D. Reynolds. 2008. Report of the Skeena Independent Science Review Panel. A report to the Canadian Department of Fisheries and Oceans and British Columbia Ministry of Environment. May 2008. 144p.
- Wet'suwet'en Fisheries. 2000. 1999 Steelhead Tagging Project Conducted in Moricetown. Final Report. Moricetown, BC.
- Wet'suwet'en Fisheries. 2001. 2000 Steelhead Tagging Project Conducted in Moricetown. Final Report. Moricetown, BC.
- Wet'suwet'en Fisheries. 2002. 2001 Steelhead Tagging Project Conducted in Moricetown. Final Report. Moricetown, BC.
- Wet'suwet'en Fisheries. 2003. 2002 Steelhead Tagging Project Conducted in Moricetown. Final Report. Moricetown, BC.
- Wet'suwet'en Fisheries. 2006. Office of the Wet'suwet'en Aboriginal Fisheries Strategy 2005-2006 Final Report. Moricetown, BC.
- Wet'suwet'en Fisheries. 2007. Office of the Wet'suwet'en Aboriginal Fisheries Strategy 2006-2007 Final Report. Moricetown, BC.
- Zar, J.H. 1984. Biostatistical Analysis. 2nd ed. Prentice-Hall Inc. Englewood Cliffs, N.J.

Appendix 1. Steelhead data obtained by beach seining.

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
01-Aug-06	Brian:	N	None Applied				0	Female	60.5		net mrks
07-Aug-06	Hank	N	Applied	Orange	44051		0	Female	54		scar left side
07-Aug-06	Hank	N	Applied	Orange	44052		0	Female	62		
07-Aug-06	Brian:	N	Applied	Orange	44054		0	Female	46		seal mrk rt
08-Aug-06	Brian:	N	Applied	Orange	44056		0	Female	56		scales
08-Aug-06	Brian:	N	Applied	Orange	44058		0	Female	63.5		gill plate,scratch
09-Aug-06	Brian:	N	Applied	Orange	44059		0	Female	66		
09-Aug-06	Hank	N	Recaptured			White	40032	Male	72		mistry of environ
10-Aug-06	Hank	N	Applied	Orange	44061		0	Female	53		BBQ
10-Aug-06	Hank	N	Applied	Orange	44062		0	Female	53		scales
10-Aug-06	Hank	N	Applied	Orange	44063		0	Male	55		net mrks
10-Aug-06	Hank	N	Applied	Orange	44065		0	Female	69		scales
10-Aug-06	Brian:	N	Applied	Orange	44068		0	Female	76.5		
10-Aug-06	Brian:	N	Applied	Orange	44100		0	Male	56		
14-Aug-06	Hank	N	Applied	Orange	44071		0	Male	61.5		BQ
14-Aug-06	Hank	N	Applied	Orange	44073		0	Female	75		scales
14-Aug-06	Brian:	N	Applied	Orange	44074		0	Male	87.5		scar rt
16-Aug-06	Brian:	N	Applied	Orange	44142		0	Female	63		UL
16-Aug-06	Brian:	N	Applied	Orange	44143		0	Male	57		set net,,,,,,,,hook
16-Aug-06	Brian:	N	Applied	Orange	44144		0	Female	54.5		net mrks
16-Aug-06	Brian:	N	Applied	Orange	44145		0	Male	73		old scars
16-Aug-06	Brian:	N	Applied	Orange	44146		0	Female	76.5		seal mrk,,,UL,,,s
16-Aug-06	Brian:	N	Applied	Orange	44147		0	Male	54		
16-Aug-06	Hank	N	Applied	Orange	44148		0	Female	53		BBQ,,,,,,,,,net n
16-Aug-06	Hank	N	Applied	Orange	44149		0	Female	56		BBQ
16-Aug-06	Hank	N	Applied	Orange	44150		0	Female	71		BBQ
16-Aug-06	Brian:	N	Recaptured			yellow	93231	Male	53.5	Top	cyst top head,,,e
17-Aug-06	Hank	N	Applied	Orange	44101		0	Male	67.5		right eye
17-Aug-06	Brian:	N	Applied	Orange	44103		0	Male	70.5		
17-Aug-06	Brian:	N	Applied	Orange	44105		0	Female	64		
17-Aug-06	Brian:	N	Applied	Orange	44107		0	Female	51		electro burn botl
17-Aug-06	Hank	N	Applied	Orange	44139		0	Female	73		BBQ
17-Aug-06	Hank	N	Applied	Orange	44140		0	Female	67		net mrks
17-Aug-06	Hank	N	Applied	Orange	44141		0	Male	66.5		BBQ
18-Aug-06	Hank	N	Applied	Orange	44108		0	Female	72		net mrks

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
18-Aug-06	Hank	N	Applied	Orange	44109		0	Male	74.5		BBQ
18-Aug-06	Hank	N	Applied	Orange	44110		0	Female	64		BBQ
18-Aug-06	Hank	N	Applied	Orange	44111		0	Female	76		BBQ
18-Aug-06	Hank	N	Applied	Orange	44112		0	Male	52		BBQ
18-Aug-06	Hank	N	Applied	Orange	44114		0	Female	76		BBQ
18-Aug-06	Hank	N	Applied	Orange	44115		0	Female	52.5		BBQ
18-Aug-06	Hank	N	Applied	Orange	44116		0	Male	71.5		BBQ
18-Aug-06	Brian:	N	Applied	Orange	44117		0	Male	76		scar left
18-Aug-06	Brian:	N	Applied	Orange	44118		0	Male	79		net head
18-Aug-06	Hank	N	Recaptured			Orange	44841	Female	69.5	Top	scales
18-Aug-06	Hank	N	Recaptured			White	15116	Female	72		no tail punch
21-Aug-06	Brian:	N	Applied	Orange	44076		0	Male	82.5		anal fin+rt pelvi
21-Aug-06	Brian:	N	Applied	Orange	44079		0	Female	72		neck +shoulder
21-Aug-06	Brian:	N	Applied	Orange	44082		0	Female	74		
21-Aug-06	Brian:	N	Applied	Orange	44083		0	Female	72.5		
21-Aug-06	Hank	N	Applied	Orange	44084		0	Male	75.5		
21-Aug-06	Hank	N	Applied	Orange	44085		0	Male	68.5		BBQ
21-Aug-06	Hank	N	Applied	Orange	44086		0	Female	73.5		electro burn left
21-Aug-06	Hank	N	Applied	Orange	44087		0	Male	74		electro burn left
21-Aug-06	Hank	N	Applied	Orange	44088		0	Male	72		
21-Aug-06	Hank	N	Recaptured			Orange	44763	Female	55	Top	BBQ
21-Aug-06	Brian:	N	Recaptured			Orange	44919	Female	61		no tail punch,,,,r
22-Aug-06	Brian:	N	Applied	Orange	44089		0	Female	73.5		hook mrk left
22-Aug-06	Brian:	N	Applied	Orange	44092		0	Male	83		
22-Aug-06	Brian:	N	Applied	Orange	44093		0	Male	73		
22-Aug-06	Brian:	N	Applied	Orange	44094		0	Female	65.5		net mrks,,,,left p
22-Aug-06	Brian:	N	Applied	Orange	44095		0	Female	69		
22-Aug-06	Hank	N	Applied	Orange	44096		0	Female	67		BBQ
22-Aug-06	Hank	N	Applied	Orange	44097		0	Male	67.5		electro shocked
22-Aug-06	Hank	N	Applied	Orange	44151		0	Female	67.5		BBQ
23-Aug-06	Brian:	N	Applied	Orange	44152		0	Male	58		
23-Aug-06	Hank	N	Applied	Orange	44153		0	Female	70		
23-Aug-06	Hank	N	Applied	Orange	44154		0	Female	59		
23-Aug-06	Hank	N	Applied	Orange	44155		0	Female	68		
23-Aug-06	Hank	N	Applied	Orange	44156		0	Female	49		

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
23-Aug-06	Hank	N	Applied	Orange	44157		0	Female	61.5		net marks
23-Aug-06	Hank	N	Applied	Orange	44158		0	Female	70		dark in color
23-Aug-06	Hank	N	Applied	Orange	44159		0	Female	60		net marks
23-Aug-06	Hank	N	Applied	Orange	44160		0	Male	75.5		lost tag old shap
23-Aug-06	Hank	N	Applied	Orange	44161		0	Female	64		net marks
23-Aug-06	Hank	N	Recaptured			Orange	44698	Female	64	Top	net marks
23-Aug-06	Hank	N	Recaptured			Orange	44712	Female	68		scale loss - net n
23-Aug-06	Brian:	N	Recaptured			Orange	44740	Female	67	Top	
24-Aug-06	Brian:	N	Applied	Orange	44162		0	Male	70		
24-Aug-06	Brian:	N	Applied	Orange	44163		0	Female	68.5		left plate
24-Aug-06	Brian:	N	Applied	Orange	44164		0	Female	76.5		
24-Aug-06	Brian:	N	Applied	Orange	44165		0	Male	75		electro burn botl
24-Aug-06	Brian:	N	Applied	Orange	44166		0	Female	58		net mrks
24-Aug-06	Brian:	N	Applied	Orange	44167		0	Female	68.5		
24-Aug-06	Brian:	N	Applied	Orange	44168		0	Female	68		
24-Aug-06	Brian:	N	Applied	Orange	44169		0	Female	53.5		
24-Aug-06	Brian:	N	Applied	Orange	44170		0	Male	69		jig mrk left
24-Aug-06	Brian:	N	Applied	Orange	44171		0	Male	63.5		
24-Aug-06	Hank	N	Applied	Orange	44172		0	Female	72.5		BBQ
24-Aug-06	Hank	N	Applied	Orange	44173		0	Male	73.5		plate
24-Aug-06	Hank	N	Applied	Orange	44174		0	Female	82		BBQ
24-Aug-06	Hank	N	Applied	Orange	44201		0	Female	56		BBQ,,,new swkc
24-Aug-06	Hank	N	Applied	Orange	44202		0	Female	76.5		BBQ,,,scales
24-Aug-06	Hank	N	Applied	Orange	44203		0	Male	55		BBQ,,,scales
24-Aug-06	Hank	N	Applied	Orange	44204		0	Male	75		BBQ,,,scales
24-Aug-06	Hank	N	Applied	Orange	44205		0	Female	56		BBQ,,,scales
24-Aug-06	Brian:	N	Recaptured			Orange	44304	Male	84.5	Top	
25-Aug-06	Brian:	N	Applied	Orange	44175		0	Female	49		
25-Aug-06	Brian:	N	Applied	Orange	44178		0	Male	75		
25-Aug-06	Brian:	N	Applied	Orange	44179		0	Male	76.5		hook mrk,,,
25-Aug-06	Brian:	N	Applied	Orange	44182		0	Male	86		
25-Aug-06	Brian:	N	Applied	Orange	44183		0	Female	90		LL
25-Aug-06	Brian:	N	Applied	Orange	44184		0	Female	66		hook mrk back,,
25-Aug-06	Hank	N	Applied	Orange	44206		0	Female	79		BBQ
25-Aug-06	Hank	N	Applied	Orange	44207		0	Female	51		BBQ

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
25-Aug-06	Hank	N	Applied	Orange	44208		0	Female	53.5		BBQ
25-Aug-06	Hank	N	Applied	Orange	44209		0	Female	70.5		BBQ
25-Aug-06	Hank	N	Applied	Orange	44210		0	Female	68		BBQ
25-Aug-06	Hank	N	Applied	Orange	44211		0	Female	79		BBQ
25-Aug-06	Hank	N	Applied	Orange	44212		0	Female	70		BBQ
25-Aug-06	Hank	N	Applied	Orange	44213		0	Female	67		BBQ
25-Aug-06	Hank	N	Applied	Orange	44214		0	Female	83.5		jig mrk non dors
25-Aug-06	Brian:	N	Applied	Orange	44301		0	Female	67.5		
25-Aug-06	Hank	N	Recaptured			Orange	44105	Female	64	Bottom	BBQ
25-Aug-06	Brian:	N	Recaptured			Orange	44628	Female	57		head
25-Aug-06	Brian:	N	Recaptured			Orange	44674	Female	52.5	Top	burn left
25-Aug-06	Hank	N	Recaptured			Orange	44804	Female	69	Top	upper lobe,,,,,
29-Aug-06	Brian:	N	Applied	Orange	44185		0	Male	86		
29-Aug-06	Brian:	N	Applied	Orange	44186		0	Male	87.5		hook plaTE
29-Aug-06	Hank	N	Applied	Orange	44187		0	Male	70		BBQ
29-Aug-06	Hank	N	Applied	Orange	44188		0	Male	73		BBQ
29-Aug-06	Brian:	N	Applied	Orange	44239		0	Female	65		caudalk
29-Aug-06	Brian:	N	Applied	Orange	44240		0	Female	69		
29-Aug-06	Brian:	N	Applied	Orange	44241		0	Male	54		
29-Aug-06	Hank	N	Applied	Orange	44242		0	Female	66		BBQ
29-Aug-06	Hank	N	Applied	Orange	44243		0	Female	66		BBQ
29-Aug-06	Hank	N	Applied	Orange	44244		0	Male	80		BBQ
29-Aug-06	Hank	N	Applied	Orange	44245		0	Male	73		BBQ
29-Aug-06	Hank	N	Applied	Orange	44247		0	Female	55		BBQ
29-Aug-06	Hank	N	Applied	Orange	44248		0	Female	68		BBQ
29-Aug-06	Hank	N	Applied	Orange	44249		0	Female	67		claw mrks both
29-Aug-06	Hank	N	Applied	Orange	44250		0	Female	67.5		BBQ
29-Aug-06	Brian:	N	Applied	Orange	44302		0	Female	67		
29-Aug-06	Brian:	N	Applied	Orange	44303		0	Male	82		LL
29-Aug-06	Brian:	N	Applied	Orange	44304		0	Male	76.5		dorsal
29-Aug-06	Brian:	N	Applied	Orange	44305		0	Male	70		snout,,caudal
29-Aug-06	Brian:	N	Applied	Orange	44306		0	Female	69		
29-Aug-06	Brian:	N	Applied	Orange	44307		0	Female	57		
29-Aug-06	Brian:	Y	None Applied				0	Female	71		
29-Aug-06	Hank	N	Recaptured			Orange	44770	Female	75	Top	fork damage

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
29-Aug-06	Brian:	N	Recaptured			Orange	44978	Female	65		head,,all fins
30-Aug-06	Brian:	N	Applied	Orange	44190		0	Female	70.5		seal
30-Aug-06	Brian:	N	Applied	Orange	44191		0	Female	59.5		seal
30-Aug-06	Brian:	N	Applied	Orange	44194		0	Male	77		
30-Aug-06	Brian:	N	Applied	Orange	44195		0	Female	69.5		seal
30-Aug-06	Brian:	N	Applied	Orange	44196		0	Male	75		
30-Aug-06	Brian:	N	Applied	Orange	44197		0	Male	66		
30-Aug-06	Brian:	N	Applied	Orange	44198		0	Female	54		electro burn left
30-Aug-06	Brian:	N	Applied	Orange	44200		0	Female	70		
30-Aug-06	Brian:	N	Applied	Orange	45451		0	Male	53		
30-Aug-06	Brian:	N	Applied	Orange	45452		0	Female	78.5		left plate,,caudal
30-Aug-06	Brian:	N	Applied	Orange	45454		0	Female	68		electro burn left.
30-Aug-06	Brian:	N	Applied	Orange	45457		0	Male	79.5		
30-Aug-06	Brian:	N	Applied	Orange	45459		0	Male	70		
30-Aug-06	Brian:	N	Applied	Orange	45460		0	Female	78		
30-Aug-06	Brian:	N	Applied	Orange	45461		0	Female	74		caudal,,dorsal
30-Aug-06	Brian:	N	Applied	Orange	45463		0	Male	77		
30-Aug-06	Brian:	N	Applied	Orange	45464		0	Female	80		
30-Aug-06	Brian:	N	Applied	Orange	45465		0	Female	69.5		set net,,dorsal
30-Aug-06	Brian:	N	Applied	Orange	45467		0	Male	70		
30-Aug-06	Brian:	N	Applied	Orange	45468		0	Male	76		
30-Aug-06	Brian:	N	Applied	Orange	45469		0	Female	69		snout,,scales,,
30-Aug-06	Brian:	N	Applied	Orange	45470		0	Female	69		scales,,LED
30-Aug-06	Brian:	N	Applied	Orange	45471		0	Female	67.5		seal,,electro burn
30-Aug-06	Brian:	N	Applied	Orange	45472		0	Female	61.5		electro burn
30-Aug-06	Hank	N	Applied	Orange	45473		0	Female	68		BBQ
30-Aug-06	Hank	N	Applied	Orange	45474		0	Female	52.5		scales
30-Aug-06	Hank	N	Applied	Orange	45475		0	Female	60		BBQ
30-Aug-06	Hank	N	Applied	Orange	45476		0	Female	72		BBQ
30-Aug-06	Hank	N	Applied	Orange	45477		0	Female	75.5		OLD
30-Aug-06	Hank	N	Applied	Orange	45478		0	Female	72		scar left side
30-Aug-06	Hank	N	Applied	Orange	45479		0	Male	89		BBQ
30-Aug-06	Hank	N	Applied	Orange	45480		0	Female	62.5		BBQ
30-Aug-06	Hank	N	Applied	Orange	45481		0	Female	75.5		BBQ
30-Aug-06	Hank	N	Applied	Orange	45482		0	Female	68.5		BBQ,scales

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
30-Aug-06	Hank	N	Applied	Orange	45483		0	Female	54		caudal,net mrks
30-Aug-06	Hank	N	Applied	Orange	45484		0	Female	69.5		BBQ
30-Aug-06	Hank	N	Applied	Orange	45485		0	Female	76		BBQ
30-Aug-06	Hank	N	Applied	Orange	45486		0	Male	69		BBQ
30-Aug-06	Hank	N	Applied	Orange	45487		0	Male	64		BBQ
30-Aug-06	Hank	N	Applied	Orange	45488		0	Female	68		BBQ
30-Aug-06	Hank	N	Applied	Orange	45490		0	Male	69.5		netmrks
30-Aug-06	Hank	N	Applied	Orange	45493		0	Female	68		BBQ
30-Aug-06	Hank	N	Applied	Orange	45494		0	Female	58.5		BBQ
30-Aug-06	Hank	N	Applied	Orange	45496		0	Male	95		BBQ
30-Aug-06	Hank	N	Applied	Orange	45497		0	Female	56		BBQ
30-Aug-06	Hank	N	Applied	Orange	45498		0	Female	57		BBQ
30-Aug-06	Brian:	N	Recaptured			Orange	44145	Female	73		snout
30-Aug-06	Hank	N	Recaptured			Orange	45122	Male	67.5	top/bottom	OLD
30-Aug-06	Hank	N	Recaptured			Orange	45130	Male	77	Top	netmrks
30-Aug-06	Hank	N	Recaptured			Orange	45137	Female	69	Bottom	BBQ
31-Aug-06	Brian:	N	Applied	Orange	45401		0	Female	62.5		scales
31-Aug-06	Brian:	N	Applied	Orange	45402		0	Female	77.5		electro burned
31-Aug-06	Brian:	N	Applied	Orange	45403		0	Female	69		seal,,,pelvics
31-Aug-06	Brian:	N	Applied	Orange	45404		0	Female	57		scales
31-Aug-06	Brian:	N	Applied	Orange	45405		0	Female	66.5		electro burned le
31-Aug-06	Brian:	N	Applied	Orange	45406		0	Male	62.5		
31-Aug-06	Brian:	N	Applied	Orange	45407		0	Female	74.5		UL
31-Aug-06	Brian:	N	Applied	Orange	45408		0	Female	52.5		
31-Aug-06	Brian:	N	Applied	Orange	45409		0	Female	67.5		
31-Aug-06	Brian:	N	Applied	Orange	45410		0	Female	65.5		
31-Aug-06	Brian:	N	Applied	Orange	45411		0	Female	71		
31-Aug-06	Brian:	N	Applied	Orange	45412		0	Female	69.5		scales
31-Aug-06	Brian:	N	Applied	Orange	45413		0	Male	67		seal
31-Aug-06	Brian:	N	Applied	Orange	45414		0	Female	72		
31-Aug-06	Brian:	N	Applied	Orange	45415		0	Female	67		belly
31-Aug-06	Brian:	N	Applied	Orange	45416		0	Female	74		
31-Aug-06	Brian:	N	Applied	Orange	45417		0	Female	58		electro burned le
31-Aug-06	Hank	N	Applied	Orange	45418		0	Female	74		BBQ

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
31-Aug-06	Hank	N	Applied	Orange	45419		0	Male	53		BBQ
31-Aug-06	Hank	N	Applied	Orange	45420		0	Female	64		BBQ,scales
31-Aug-06	Hank	N	Applied	Orange	45421		0	Female	72		BBQ,scales
31-Aug-06	Hank	N	Applied	Orange	45422		0	Female	66		BBQ,scales
31-Aug-06	Hank	N	Applied	Orange	45423		0	Female	90		BBQ
31-Aug-06	Hank	N	Applied	Orange	45424			Female	76		45425,double ta
31-Aug-06	Hank	N	Applied	Orange	45426		0	Female	74.5		BBQ
31-Aug-06	Hank	N	Applied	Orange	45427		0	Female	77.5		BBQ
31-Aug-06	Hank	N	Applied	Orange	45428		0	Female	69		BBQ
31-Aug-06	Hank	N	Applied	Orange	45429		0	Female	71.5		BBQ
31-Aug-06	Hank	N	Applied	Orange	45430		0	Female	67		BBQ
31-Aug-06	Hank	N	Applied	Orange	45431		0	Female	66		BBQ
31-Aug-06	Hank	N	Applied	Orange	45432		0	Female	67		BBQ
31-Aug-06	Hank	N	Applied	Orange	45433		0	Female	61.5		BBQ
31-Aug-06	Hank	N	Applied	Orange	45434		0	Male	82		BBQ
31-Aug-06	Hank	N	Applied	Orange	45435		0	Male	59		BBQ
31-Aug-06	Hank	N	Applied	Orange	45436		0	Female	83		BBQ
31-Aug-06	Hank	N	Applied	Orange	45437		0	Female	66.5		BBQ
31-Aug-06	Hank	N	Applied	Orange	45438		0	Female	63.5		BBQ
31-Aug-06	Hank	N	Applied	Orange	45439		0	Female	56.5		BBQ
31-Aug-06	Brian:	N	Applied	Orange	45499		0	Female	83		scales,,,electro b
31-Aug-06	Hank	N	Recaptured			Orange	44847	Female	65	Top	
31-Aug-06	Brian:	N	Recaptured			Orange	45092	Female	66		
01-Sep-06	Hank	N	Applied	Orange	44251		0	Male	86		BBQ
01-Sep-06	Hank	N	Applied	Orange	44252		0	Female	83.5		BBQ
01-Sep-06	Hank	N	Applied	Orange	44253		0	Female	52		scales
01-Sep-06	Hank	N	Applied	Orange	44254		0	Female	71		BBQ,scales,net
01-Sep-06	Hank	N	Applied	Orange	44255		0	Female	75		BBQ
01-Sep-06	Brian:	N	Applied	Orange	45440		0	Female	66.5		
01-Sep-06	Brian:	N	Applied	Orange	45441		0	Male	80		bruise
01-Sep-06	Brian:	N	Applied	Orange	45442		0	Female	70.5		seal
01-Sep-06	Brian:	N	Applied	Orange	45443		0	Female	71		
01-Sep-06	Brian:	N	Applied	Orange	45444		0	Male	72		scales
01-Sep-06	Brian:	N	Applied	Orange	45445		0	Female	84		
01-Sep-06	Brian:	N	Applied	Orange	45448		0	Male	70		

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Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
01-Sep-06	Brian:	N	Applied	Orange	45449		0	Female	64.5		
01-Sep-06	Brian:	N	Applied	Orange	45450		0	Male	68		net,,,,snout
01-Sep-06	Brian:	N	None Applied				0	Female	69		not tagged
05-Sep-06	Hank	N	Applied	Orange	44256		0	Female	76		BBQ
05-Sep-06	Hank	N	Applied	Orange	44257		0	Female	61		BBQ
05-Sep-06	Hank	N	Applied	Orange	44259		0	Female	65		BBQ
05-Sep-06	Hank	N	Applied	Orange	44260		0	Female	79		BBQ
05-Sep-06	Hank	N	Applied	Orange	44262		0	Female	76		jig mrk rt,growth
05-Sep-06	Hank	N	Applied	Orange	44263		0	Female	71		BQ
05-Sep-06	Hank	N	Applied	Orange	44265		0	Female	68		net mrks
05-Sep-06	Hank	N	Applied	Orange	44266		0	Female	73.5		BBQ
05-Sep-06	Hank	N	Applied	Orange	44267		0	Female	72		BBQ
05-Sep-06	Hank	N	Applied	Orange	44269		0	Female	70		BBQ
05-Sep-06	Brian:	N	Applied	Orange	44272		0	Male	76.5		
05-Sep-06	Brian:	N	Applied	Orange	44273		0	Female	52		
05-Sep-06	Brian:	N	Applied	Orange	44274		0	Male	86		
05-Sep-06	Brian:	N	Applied	Orange	44275		0	Female	69.5		scales
05-Sep-06	Brian:	N	Applied	Orange	44277		0	Female	75.5		
05-Sep-06	Brian:	N	Applied	Orange	44278		0	Female	69		
05-Sep-06	Brian:	N	Applied	Orange	44279		0	Female	71.5		scales
05-Sep-06	Brian:	N	Applied	Orange	44280		0	Female	69		scales
05-Sep-06	Brian:	N	Applied	Orange	44282		0	Female	79		
05-Sep-06	Brian:	N	Applied	Orange	44283		0	Male	65		
05-Sep-06	Brian:	N	Applied	Orange	44284		0	Male	67		
05-Sep-06	Brian:	N	Applied	Orange	44285		0	Male	68		
05-Sep-06	Brian:	N	Applied	Orange	44286		0	Female	61		scars
05-Sep-06	Brian:	N	Applied	Orange	44287		0	Male	78		gaff belly
05-Sep-06	Brian:	N	Applied	Orange	44291		0	Male	70		gashed vent
05-Sep-06	Brian:	N	Applied	Orange	44293		0	Male	74		snout
05-Sep-06	Brian:	N	Applied	Orange	44294		0	Female	71.5		
05-Sep-06	Brian:	N	Applied	Orange	44298		0	Male	77.5		
05-Sep-06	Brian:	N	Applied	Orange	44299		0	Female	69		net mrks
05-Sep-06	Brian:	N	Applied	Orange	44300		0	Male	74.5		
05-Sep-06	Brian:	N	Applied	Orange	45301		0	Male	81		
05-Sep-06	Brian:	N	Recaptured			Orange	44295	Female	51	Bottom	hard to read tag

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Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
05-Sep-06	Brian:	N	Recaptured			Orange	45159	Female	67.5	Top	
05-Sep-06	Brian:	N	Recaptured			Orange	45583	Female	60	Top	scales
06-Sep-06	Hank	N	Applied	Orange	45302		0	Female	72		
06-Sep-06	Hank	N	Applied	Orange	45303		0	Female	71		BBQ
06-Sep-06	Hank	N	Applied	Orange	45304		0	Female	71		BBQ
06-Sep-06	Hank	N	Applied	Orange	45305		0	Female	57		BBQ
06-Sep-06	Hank	N	Applied	Orange	45306		0	Female	72		BBQ
06-Sep-06	Hank	N	Applied	Orange	45307		0	Male	81		BBQ
06-Sep-06	Hank	N	Applied	Orange	45308		0	Female	73		electro burn bot
06-Sep-06	Hank	N	Applied	Orange	45309		0	Female	79		BBQ
06-Sep-06	Hank	N	Applied	Orange	45311		0	Female	72.5		BBQ
06-Sep-06	Hank	N	Applied	Orange	45312		0	Female	70.5		BBQ
06-Sep-06	Hank	N	Applied	Orange	45314		0	Female	67		scales
06-Sep-06	Hank	N	Applied	Orange	45315		0	Female	69.5		BBQ
06-Sep-06	Hank	N	Applied	Orange	45316		0	Male	92.5		BBQ
06-Sep-06	Brian:	N	Applied	Orange	45317		0	Male	77		bruise rt
06-Sep-06	Brian:	N	Applied	Orange	45319		0	Male	77		
06-Sep-06	Brian:	N	Applied	Orange	45320		0	Female	67.5		net shoulder
06-Sep-06	Brian:	N	Applied	Orange	45321		0	Male	87		
06-Sep-06	Brian:	N	Applied	Orange	45322		0	Female	77		e burn both side
06-Sep-06	Brian:	N	Applied	Orange	45323		0	Female	64		
06-Sep-06	Brian:	N	Applied	Orange	45324		0	Male	72		
06-Sep-06	Brian:	N	Applied	Orange	45325		0	Female	75.5		left side mouth,,
06-Sep-06	Brian:	N	Applied	Orange	45326		0	Female	56		jigged
06-Sep-06	Brian:	N	Recaptured			Orange	44809	Male	88		caudal,,dorsal
06-Sep-06	Brian:	N	Recaptured			White	15771	Female	76		old tag no tail pt
07-Sep-06	Hank	N	Applied	Orange	45327		0	Female	72		BBQ
07-Sep-06	Hank	N	Applied	Orange	45329		0	Female	64		BBQ
07-Sep-06	Hank	N	Applied	Orange	45330		0	Female	60.5		BBQ
07-Sep-06	Hank	N	Applied	Orange	45331		0	Female	82		jig mrk belly
07-Sep-06	Hank	N	Applied	Orange	45332		0	Male	72		BBQ
07-Sep-06	Hank	N	Applied	Orange	45333		0	Female	69		BBQ
07-Sep-06	Hank	N	Applied	Orange	45334		0	Female	63		net mrks, scales
07-Sep-06	Hank	N	Applied	Orange	45335		0	Female	82.5		BBQ
07-Sep-06	Hank	N	Applied	Orange	45336		0	Female	72.5		net mrks

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
07-Sep-06	Hank	N	Applied	Orange	45338		0	Female	77		scales
07-Sep-06	Hank	N	Applied	Orange	45339		0	Female	78.5		BBQ
07-Sep-06	Hank	N	Applied	Orange	45340		0	Female	80		BBQ
07-Sep-06	Hank	N	Applied	Orange	45341		0	Female	68.5		BBQ
07-Sep-06	Hank	N	Applied	Orange	45342		0	Female	76		BBQ
07-Sep-06	Hank	N	Applied	Orange	45343		0	Female	70		scales
07-Sep-06	Hank	N	Applied	Orange	45344		0	Female	70		BBQ
07-Sep-06	Hank	N	Applied	Orange	45345		0	Male	55		scales
07-Sep-06	Hank	N	Applied	Orange	45346		0	Female	66		BBQ
07-Sep-06	Hank	N	Applied	Orange	45347		0	Female	67		scales
07-Sep-06	Hank	N	Applied	Orange	45348		0	Female	67		scales
07-Sep-06	Hank	N	Applied	Orange	45349		0	Female	77		BBQ
07-Sep-06	Hank	N	Applied	Orange	45350		0	Female	54.5		BBQ
07-Sep-06	Hank	N	Applied	Orange	45351		0	Male	76		BBQ,new skein
07-Sep-06	Hank	N	Applied	Orange	45352		0	Male	72		scales
07-Sep-06	Hank	N	Applied	Orange	45353		0	Male	76.5		BBQ
07-Sep-06	Brian:	N	Applied	Orange	45354		0	Male	75		bear mrks
07-Sep-06	Brian:	N	Applied	Orange	45355		0	Male	58.5		
07-Sep-06	Brian:	N	Applied	Orange	45356		0	Male	88		
07-Sep-06	Brian:	N	Applied	Orange	45357		0	Female	77		jigged
07-Sep-06	Brian:	N	Applied	Orange	45358		0	Male	66		UL
07-Sep-06	Brian:	N	Applied	Orange	45359		0	Male	57.5		seal
07-Sep-06	Brian:	N	Applied	Orange	45360		0	Female	72.5		UL
07-Sep-06	Brian:	N	Applied	Orange	45361		0	Male	76		
07-Sep-06	Brian:	N	Applied	Orange	45362		0	Male	65.5		sert nert
07-Sep-06	Hank	N	lost	Orange	45328		0	Male	78.5	Top	BBQ
07-Sep-06	Hank	N	Recaptured			Orange	4448	Female	76	Top	BBQ
07-Sep-06	Hank	N	Recaptured			Orange	44249	Female	67	Bottom	BBQ
08-Sep-06	Hank	N	Applied	Orange	45363		0	Male	74		BBQ
08-Sep-06	Hank	N	Applied	Orange	45364		0	Female	74		BBQ
08-Sep-06	Hank	N	Applied	Orange	45365		0	Female	86		BBQ
08-Sep-06	Hank	N	Applied	Orange	45367		0	Female	71		BBQ
08-Sep-06	Hank	N	Applied	Orange	45368		0	Female	72.5		BBQ
08-Sep-06	Hank	N	Applied	Orange	45369		0	Female	72		
08-Sep-06	Brian:	N	Applied	Orange	45370		0	Male	83		UL

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
08-Sep-06	Brian:	N	Applied	Orange	45371		0	Female	76.5		
08-Sep-06	Brian:	N	Applied	Orange	45372		0	Male	73.5		
08-Sep-06	Brian:	N	Applied	Orange	45373		0	Male	56		
08-Sep-06	Brian:	N	Applied	Orange	45374		0	Female	68		
08-Sep-06	Brian:	N	Applied	Orange	45375		0	Male	76		
08-Sep-06	Brian:	N	Applied	Orange	45376		0	Male	70		
08-Sep-06	Brian:	N	Applied	Orange	45377		0	Male	93		
08-Sep-06	Brian:	N	Applied	Orange	45378		0	Female	56.5		E burn left,,,
08-Sep-06	Brian:	N	Applied	Orange	45379		0	Female	64.5		bruised rt
08-Sep-06	Brian:	N	Applied	Orange	45380		0	Male	83.5		
08-Sep-06	Brian:	N	Applied	Orange	45381		0	Female	74		E burn both side
08-Sep-06	Brian:	N	Applied	Orange	45382		0	Female	64		
08-Sep-06	Brian:	N	Recaptured			Orange	45414	Female	71.5	Bottom	
08-Sep-06	Brian:	N	Recaptured			Orange	45705	Female	72	Top	
11-Sep-06	Brian:	N	Applied	Orange	45252		0	Male	73		hook mrk,,left si
11-Sep-06	Brian:	N	Applied	Orange	45253		0	Female	66.5		
11-Sep-06	Brian:	N	Applied	Orange	45254		0	Male	81		snout
11-Sep-06	Brian:	N	Applied	Orange	45255		0	Male	85.5		
11-Sep-06	Brian:	N	Applied	Orange	45256		0	Female	63		seal
11-Sep-06	Hank	N	Applied	Orange	45385		0	Female	76		BBQ
11-Sep-06	Hank	N	Applied	Orange	45387		0	Female	51		BBQ
11-Sep-06	Hank	N	Applied	Orange	45388		0	Female	75.5		BBQ
11-Sep-06	Hank	N	Applied	Orange	45389		0	Female	56.5		BBQ
11-Sep-06	Hank	N	Applied	Orange	45390		0	Female	70		BBQ
11-Sep-06	Hank	N	Applied	Orange	45393		0	Male	75.5		upper lobe
11-Sep-06	Brian:	N	Applied	Orange	45394		0	Male	75		
11-Sep-06	Brian:	N	Applied	Orange	45395		0	Female	87		ole scar ,scales
11-Sep-06	Brian:	N	Applied	Orange	45396		0	Female	67.5		net mrks,,dorsal
11-Sep-06	Brian:	N	Applied	Orange	45397		0	Male	92		
11-Sep-06	Brian:	N	Applied	Orange	45398		0	Female	60.5		dorsal
11-Sep-06	Brian:	N	Applied	Orange	45399		0	Female	69		
11-Sep-06	Brian:	N	Applied	Orange	45400		0	Female	72		
11-Sep-06	Brian:	N	Recaptured			Orange	45720	Female	69.5	Top	ole scar left, FL
11-Sep-06	Brian:	N	Recaptured			Orange	46472	Female	83.5	Top	left max
12-Sep-06	Hank	N	Applied	Orange	45258		0	Female	79		BBQ

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
12-Sep-06	Hank	N	Applied	Orange	45259		0	Male	74		BBQ
12-Sep-06	Hank	N	Applied	Orange	45260		0	Male	81		BBQ
12-Sep-06	Hank	N	Applied	Orange	45261		0	Male	77		bite mrks left side
12-Sep-06	Hank	N	Applied	Orange	45262		0	Male	72		net mrks
12-Sep-06	Hank	N	Applied	Orange	45263		0	Female	67		BBQ
12-Sep-06	Brian:	N	Applied	Orange	45264		0	Male	58		
12-Sep-06	Brian:	N	Applied	Orange	45265		0	Male	63.5		
12-Sep-06	Brian:	N	Applied	Orange	45266		0	Male	63		
12-Sep-06	Brian:	N	Applied	Orange	45267		0	Female	71		net mrks
12-Sep-06	Brian:	N	Applied	Orange	45268		0	Female	74.5		
12-Sep-06	Brian:	N	Applied	Orange	45269		0	Male	76		
12-Sep-06	Brian:	N	Applied	Orange	45270		0	Male	79		E burned left
12-Sep-06	Brian:	N	Applied	Orange	45271		0	Male	81		
12-Sep-06	Brian:	N	Applied	Orange	45272		0	Male	68		
12-Sep-06	Brian:	N	Recaptured			Orange	45503	Female	63.5	Top	
12-Sep-06	Hank	N	Recaptured			White	15281	Female	65	Bottom	BBQ
13-Sep-06	Brian:	N	Applied	brown	24500		0	Female	68		net,,upper lobe
13-Sep-06	Brian:	N	Applied	brown	24501		0	Female	75.5		
13-Sep-06	Brian:	N	Applied	brown	24502		0	Female	72.5		
13-Sep-06	Brian:	N	Applied	brown	24503		0	Female	66		
13-Sep-06	Brian:	N	Applied	brown	24504		0	Female	70		
13-Sep-06	Brian:	N	Applied	brown	24505		0	Female	64.5		scar left
13-Sep-06	Brian:	N	Applied	brown	24506		0	Female	69.5		scars both sides
13-Sep-06	Brian:	N	Applied	brown	24507		0	Female	69		ole scar right
13-Sep-06	Brian:	N	Applied	brown	24508		0	Female	77		
13-Sep-06	Brian:	N	Applied	Orange	44055		0	Female	72		
13-Sep-06	Hank	N	Applied	Orange	45273		0	Male	92		BBQ
13-Sep-06	Hank	N	Applied	Orange	45274		0	Female	83.5		claw mrks on top
13-Sep-06	Hank	N	Applied	Orange	45275		0	Female	58		BBQ
13-Sep-06	Hank	N	Applied	Orange	45277		0	Female	77		netmrks
13-Sep-06	Hank	N	Applied	Orange	45278		0	Female	68		scales
13-Sep-06	Hank	N	Applied	Orange	45279		0	Female	72		BBQ
13-Sep-06	Hank	N	Applied	Orange	45280		0	Female	72		dorsal
13-Sep-06	Hank	N	Applied	Orange	45281		0	Female	57		BBQ
13-Sep-06	Hank	N	Applied	Orange	45283		0	Male	76		BBQ

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
13-Sep-06	Hank	N	Applied	Orange	45284		0	Male	78		BBQ
13-Sep-06	Brian:	N	Applied	Orange	45286		0	Male	80.5		
13-Sep-06	Brian:	N	Applied	Orange	45287		0	Male	93		
13-Sep-06	Brian:	N	Applied	Orange	45289		0	Female	71.5		net mrks.,head
13-Sep-06	Brian:	N	Applied	Orange	45290		0	Female	71.5		
13-Sep-06	Brian:	N	Applied	Orange	45291		0	Female	74		jig mrk left
13-Sep-06	Brian:	N	Applied	Orange	45292		0	Female	68.5		lower left side ja
13-Sep-06	Brian:	N	Applied	Orange	45293		0	Male	75.5		
13-Sep-06	Brian:	N	Applied	Orange	45294		0	Male	58		big scar both sid
13-Sep-06	Brian:	N	Applied	Orange	45295		0	Female	79.5		scar left
13-Sep-06	Brian:	N	Applied	Orange	45296		0	Male	73		snout
13-Sep-06	Brian:	N	Applied	Orange	45297		0	Male	75.5		
13-Sep-06	Brian:	N	Applied	Orange	45298		0	Female	68.5		
13-Sep-06	Brian:	N	Applied	Orange	45299		0	Male	63.5		seal mrks
13-Sep-06	Brian:	N	Applied	Orange	45300		0	Female	72		
13-Sep-06	Brian:	N	Recaptured			Grey	33582	Female	76.5		
13-Sep-06	Brian:	N	Recaptured			Orange	44145	Male	72.5		
13-Sep-06	Brian:	N	Recaptured			Orange	44184	Female	65		
13-Sep-06	Brian:	N	Recaptured			Orange	44969	Male	73.5		caudal
13-Sep-06	Brian:	N	Recaptured			White	15586	Female	79.5		fungus growth o
13-Sep-06	Hank	N	Recaptured			White	15686	Male	81.5	Bottom	BBQ
14-Sep-06	Hank	N	Applied	brown	24509		0	Female	55		BBQ
14-Sep-06	Hank	N	Applied	brown	24510		0	Female	83.5		BBQ
14-Sep-06	Hank	N	Applied	brown	24511		0	Female	55.5		BBQ
14-Sep-06	Hank	N	Applied	brown	24512		0	Female	67		BBQ
14-Sep-06	Hank	N	Applied	brown	24513		0	Female	73		BBQ
14-Sep-06	Hank	N	Applied	brown	24514		0	Female	71		BBQ
14-Sep-06	Hank	N	Applied	brown	24515		0	Male	74		BBQ
14-Sep-06	Hank	N	Applied	brown	24516		0	Female	85		BBQ
14-Sep-06	Hank	N	Applied	brown	24517		0	Female	79		BBQ
14-Sep-06	Hank	N	Applied	brown	24518		0	Male	70		BBQ
14-Sep-06	Hank	N	Applied	brown	24519		0	Female	57		BBQ
14-Sep-06	Hank	N	Applied	brown	24520		0	Female	75		BBQ
14-Sep-06	Hank	N	Applied	brown	24521		0	Female	74		BBQ
14-Sep-06	Hank	N	Applied	brown	24522		0	Male	86		BBQ

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
14-Sep-06	Hank	N	Applied	brown	24523		0	Male	70		BBQ
14-Sep-06	Hank	N	Applied	brown	24524		0	Female	57		net mrks
14-Sep-06	Hank	N	Applied	brown	24526		0	Male	79		BBQ
14-Sep-06	Hank	N	Applied	brown	24527		0	Female	81		BBQ
14-Sep-06	Hank	N	Applied	brown	24528		0	Male	88		BBQ
14-Sep-06	Hank	N	Applied	brown	24529		0	Female	76		BBQ
14-Sep-06	Hank	N	Applied	brown	24530		0	Female	68		BBQ
14-Sep-06	Hank	N	Applied	brown	24531		0	Male	78		BBQ
14-Sep-06	Hank	N	Applied	brown	24532		0	Female	56		BBQ,,,claw mrk
14-Sep-06	Hank	N	Applied	brown	24533		0	Female	67		lower lobe
14-Sep-06	Hank	N	Applied	brown	24534		0	Male	71		scales
14-Sep-06	Hank	N	Applied	brown	24535		0	Female	68		scales
14-Sep-06	Hank	N	Applied	brown	24536		0	Female	63		
14-Sep-06	Hank	N	Applied	brown	24537		0	Male	57		BB
14-Sep-06	Hank	N	Applied	brown	24538		0	Female	72.5		BBQ
14-Sep-06	Hank	N	Applied	brown	24539		0	Female	75.5		BBQ
14-Sep-06	Hank	N	Applied	brown	24540		0	Male	78		BBQ
14-Sep-06	Hank	N	Applied	brown	24541		0	Female	72		BBQ
14-Sep-06	Hank	N	Applied	brown	24542		0	Female	71		BBQ
14-Sep-06	Hank	N	Applied	brown	24543		0	Male	63.5		BBQ
14-Sep-06	Brian:	N	Applied	brown	24544		0	Male	59		
14-Sep-06	Brian:	N	Applied	brown	24545		0	Male	64.5		bear ,,UL
14-Sep-06	Brian:	N	Applied	brown	24546		0	Female	69.5		
14-Sep-06	Brian:	N	Applied	brown	24547		0	Male	79		
14-Sep-06	Brian:	N	Applied	brown	24548		0	Female	68		
14-Sep-06	Brian:	N	Applied	brown	24549		0	Male	87		
14-Sep-06	Brian:	N	Applied	Grey	33332		0	Male	74		
14-Sep-06	Brian:	N	Applied	Grey	33336		0	Male	84.5		lower lobe
14-Sep-06	Brian:	N	Applied	Grey	33337		0	Female	70		ll
14-Sep-06	Brian:	N	Applied	Grey	33338		0	Female	56		
14-Sep-06	Brian:	N	Applied	Grey	33339		0	Female	74		net,,caudal,,sca:
14-Sep-06	Brian:	N	Applied	Grey	33340		0	Male	72		seal
14-Sep-06	Brian:	N	Applied	Grey	33341		0	Male	79.5		gaff rt
14-Sep-06	Brian:	N	Applied	Grey	33342		0	Male	67		
14-Sep-06	Brian:	N	Applied	Grey	33344		0	Male	77		

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
14-Sep-06	Brian:	N	Applied	Grey	33346		0	Female	73.5		
14-Sep-06	Brian:	N	Applied	Grey	33349		0	Male	82.5		
14-Sep-06	Brian:	N	Applied	Orange	64601		0	Male	80		caudal
14-Sep-06	Brian:	N	Applied	Orange	64602		0	Male	83.5		
14-Sep-06	Brian:	N	Applied	Orange	64603		0	Female	69.5		
14-Sep-06	Brian:	N	Applied	Orange	64604		0	Female	78		head,,dorsal
14-Sep-06	Brian:	N	Applied	Orange	64605		0	Male	77.5		
14-Sep-06	Brian:	N	Applied	Orange	64606		0	Male	70.5		
14-Sep-06	Brian:	N	Applied	Orange	64607		0	Female	72		
14-Sep-06	Brian:	N	Applied	Orange	64608		0	Female	72.5		seal
14-Sep-06	Brian:	N	Applied	Orange	64609		0	Female	68		
14-Sep-06	Brian:	N	Applied	Orange	64610		0	Male	78		
14-Sep-06	Brian:	N	Applied	Orange	64611		0	Female	79		
14-Sep-06	Brian:	N	Applied	Orange	64613		0	Male	79		snout,,caudal
14-Sep-06	Brian:	N	Applied	Orange	64615		0	Female	79.5		
14-Sep-06	Brian:	N	Applied	Orange	64616		0	Male	74		E burn left
14-Sep-06	Brian:	N	Applied	Orange	64617		0	Female	65.5		caudal,,scales
14-Sep-06	Brian:	N	Applied	Orange	64618		0	Female	68.5		lower lobe,,gas
14-Sep-06	Hank	N	lost	brown	24525		0	Female	72	Top	lil scale loss
14-Sep-06	Brian:	N	None Applied				0	Male	56		seal,,
14-Sep-06	Brian:	N	None Applied				0	Male	76.5		seal,,
14-Sep-06	Hank	N	Recaptured			Orange	45409	Female	68	Bottom	nose,BBQ
14-Sep-06	Hank	N	Recaptured			Orange	45426	Male	75	Bottom	BBQ
14-Sep-06	Brian:	N	Recaptured			Orange	45464	Female	75.5	Top	
15-Sep-06	Hank	N	Applied	Orange	64619		0	Female	67		BBQ,,found tag
15-Sep-06	Hank	N	Applied	Orange	64620		0	Female	69.5		BBQ,,found tag
15-Sep-06	Hank	N	Applied	Orange	64621		0	Female	69		BBQ
15-Sep-06	Hank	N	Applied	Orange	64622		0	Female	61		BBQ
15-Sep-06	Hank	N	Applied	Orange	64624		0	Female	79		BBQ
15-Sep-06	Hank	N	Applied	Orange	64625		0	Female	78		jig mrk belly
15-Sep-06	Hank	N	Applied	Orange	64626		0	fr	86		BBQ
15-Sep-06	Hank	N	Applied	Orange	64627		0	Female	76.5		BBQ
15-Sep-06	Hank	N	Applied	Orange	64628		0	Female	76.5		scales
15-Sep-06	Hank	N	Applied	Orange	64630		0	Male	83.5		BBQ
15-Sep-06	Hank	N	Applied	Orange	64631		0	Female	75		BBQ

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Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
15-Sep-06	Hank	N	Applied	Orange	64632		0	Female	52.5		BBQ
15-Sep-06	Hank	N	Applied	Orange	64633		0	Female	58.5		BBQ
15-Sep-06	Hank	N	Applied	Orange	64634		0	Female	51.5		net mrks
15-Sep-06	Brian:	N	Applied	Orange	64636		0	Male	75.5		
15-Sep-06	Brian:	N	Applied	Orange	64637		0	Male	57.5		
15-Sep-06	Brian:	N	Applied	Orange	64638		0	Female	64.5		
15-Sep-06	Brian:	N	Applied	Orange	64639		0	Female	73		gash rk belly,,,n
15-Sep-06	Brian:	N	Applied	Orange	64641		0	Male	78		
15-Sep-06	Brian:	N	Applied	Orange	64642		0	Male	74		
15-Sep-06	Brian:	N	Applied	Orange	64643		0	Female	76		
15-Sep-06	Brian:	N	Applied	Orange	64645		0	Female	67		net mrks
15-Sep-06	Brian:	N	Applied	Orange	64646		0	Female	64.5		set net
15-Sep-06	Hank	N	lost	Orange	64635		0	Female	58	Top	grey tag 33347
15-Sep-06	Hank	N	None Applied				0	Female	76		BBQ
15-Sep-06	Hank	N	None Applied				0	Male	75		BBQ
15-Sep-06	Hank	N	None Applied				0	Female	75		BBQ
15-Sep-06	Hank	N	None Applied				0	Female	71		BBQ
15-Sep-06	Hank	N	None Applied				0	Male	62.5		net mrks
15-Sep-06	Hank	N	None Applied				0	Female	71.5		claw mrks
15-Sep-06	Hank	N	None Applied				0	Female	71		
15-Sep-06	Hank	N	None Applied				0	Male	70		BBQ
15-Sep-06	Hank	N	None Applied				0	Female	74		BBQ
15-Sep-06	Hank	N	None Applied				0	Male	78		BBQ
15-Sep-06	Hank	N	None Applied				0	Male	71		BBQ
15-Sep-06	Hank	N	None Applied				0	Female	66.5		BBQ
15-Sep-06	Hank	N	None Applied				0	Female	82.5		gash left
15-Sep-06	Hank	N	Recaptured			Orange	45551	Male	73	Top	BBQ
18-Sep-06	Brian:	N	Applied	Orange	64647		0	Female	67.5		
18-Sep-06	Brian:	N	Applied	Orange	64648		0	Male	79		
18-Sep-06	Brian:	N	Applied	Orange	64649		0	Female	73		
18-Sep-06	Brian:	N	Applied	Orange	64650		0	Male	81.5		
18-Sep-06	Hank	N	Applied	Orange	65329		0	Male	88.5		BBQ
18-Sep-06	Hank	N	Applied	Orange	65330		0	Female	75		BBQ
18-Sep-06	Hank	N	Applied	Orange	65331		0	Male	74.5		BBQ
18-Sep-06	Hank	N	Applied	Orange	65332		0	Male	80.5		BBQ

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
18-Sep-06	Hank	N	Applied	Orange	65333		0	Male	79		lower lobe
18-Sep-06	Hank	N	Applied	Orange	65334		0	Female	80		BBQ
18-Sep-06	Hank	N	Applied	Orange	65335		0	Male	84.5		BBQ
18-Sep-06	Hank	N	Applied	Orange	65336		0	Male	82		BBQ
18-Sep-06	Hank	N	Applied	Orange	65337		0	Female	71.5		BBQ
18-Sep-06	Hank	N	Applied	Orange	65338		0	Female	71.5		scales
18-Sep-06	Hank	N	Applied	Orange	65339		0	Female	69.5		scar left
18-Sep-06	Hank	N	Applied	Orange	65340		0	Female	60.5		BBQ
18-Sep-06	Hank	N	Applied	Orange	65341		0	Female	72		BBQ
18-Sep-06	Brian:	N	None Applied				0	Female	73		
18-Sep-06	Brian:	N	None Applied				0	Female	67		
18-Sep-06	Brian:	N	None Applied				0	Male	69.5		
18-Sep-06	Brian:	N	None Applied				0	Female	68.5		
18-Sep-06	Brian:	N	None Applied				0	Male	80		
18-Sep-06	Brian:	N	None Applied				0	Female	61.5		
19-Sep-06	Brian:	N	Applied	Orange	65323		0	Female	74.5		
19-Sep-06	Brian:	N	Applied	Orange	65324		0	Female	70		
19-Sep-06	Brian:	N	Applied	Orange	65325		0	Female	56		
19-Sep-06	Brian:	N	Applied	Orange	65326		0	Female	59		
19-Sep-06	Brian:	N	Applied	Orange	65327		0	Male	62.5		
19-Sep-06	Brian:	N	None Applied				0	Male	94		
19-Sep-06	Brian:	N	None Applied				0	Male	70.5		
19-Sep-06	Hank	N	None Applied				0	Female	81		bbq
21-Sep-06	Brian:	N	Applied	Grey	30751		0	Female	74		mrk left
21-Sep-06	Brian:	N	Applied	Grey	30752		0	Female	72.5		
21-Sep-06	Brian:	N	Applied	Grey	30753		0	Male	73.5		
21-Sep-06	Brian:	N	Applied	Grey	30754		0	Female	68.5		head
21-Sep-06	Brian:	N	Applied	Grey	30755		0	Male	63.5		set net,,dorsal,,
21-Sep-06	Brian:	N	Applied	Grey	30756		0	Female	73		caudal
21-Sep-06	Brian:	N	Applied	Grey	30757		0	Female	59.5		
21-Sep-06	Brian:	N	Applied	Orange	65301		0	Female	61.5		
21-Sep-06	Brian:	N	Applied	Orange	65302		0	Female	69.5		
21-Sep-06	Brian:	N	Applied	Orange	65303		0	Male	64.5		seal
21-Sep-06	Brian:	N	Applied	Orange	65304		0	Female	64		
21-Sep-06	Brian:	N	Applied	Orange	65305		0	Male	91		UL ,,gash left

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
21-Sep-06	Brian:	N	Applied	Orange	65306		0	Male	77.5		
21-Sep-06	Brian:	N	Applied	Orange	65307		0	Female	85		
21-Sep-06	Brian:	N	Recaptured			Orange	44400	Female	74.5	Top	head,,,caudal
21-Sep-06	Brian:	N	Recaptured			Orange	44405	Female	78	Top	
21-Sep-06	Brian:	N	Recaptured			Orange	45145	Male	59	Top	
21-Sep-06	Brian:	N	Recaptured			Orange	45356	Male	85	Bottom	
21-Sep-06	Brian:	N	Recaptured			Orange	45614	Male	81.5	Top	head
22-Sep-06	Brian:	N	Applied	Grey	30758		0	Female	81		gaff rt
22-Sep-06	Brian:	N	Applied	Grey	30760		0	Male	69		
22-Sep-06	Brian:	N	Applied	Grey	30761		0	Male	81.5		hook mrk left side
22-Sep-06	Brian:	N	Applied	Grey	30762		0	Male	71.5		
22-Sep-06	Brian:	N	Applied	Grey	30763		0	Male	74		
22-Sep-06	Brian:	N	Applied	Grey	30764		0	Female	69.5		
22-Sep-06	Brian:	N	Applied	Grey	30765		0	Female	72.5		set net,,,E burn l
22-Sep-06	Brian:	N	Applied	Grey	30766		0	Male	67.5		
22-Sep-06	Brian:	N	Applied	Grey	30767		0	Female	68	Top	E burn ,,caudal
22-Sep-06	Brian:	N	Applied	Grey	30767		0	Female	68	Top	E burn both,,cau
22-Sep-06	Brian:	N	Applied	Grey	30769		0	Male	77		
22-Sep-06	Brian:	N	Applied	Grey	30770		0	Female	74.5		
22-Sep-06	Brian:	N	Applied	Grey	30771		0	Female	70.5		E burned both si
22-Sep-06	Brian:	N	Applied	Grey	30772		0	Male	73.5		scales
22-Sep-06	Brian:	N	Applied	Grey	30773		0	Female	69.5		
22-Sep-06	Brian:	N	Applied	Grey	30774		0	Male	76.5		E burn right
22-Sep-06	Brian:	N	Applied	Grey	30775		0	Female	80		head
22-Sep-06	Brian:	N	Applied	Grey	30776		0	Female	70.5		LL,,,scales
22-Sep-06	Brian:	N	Applied	Grey	30777		0	Female	68.5		E burned both si
22-Sep-06	Brian:	N	Applied	Grey	30778		0	Male	90.5		
22-Sep-06	Brian:	N	Applied	Grey	30779		0	Male	90		LL,ole gaff left
22-Sep-06	Brian:	N	Applied	Grey	30780		0	Female	71		
22-Sep-06	Brian:	N	Applied	Grey	30781		0	Female	68.5		gaff mrk right
22-Sep-06	Brian:	N	Applied	Grey	30782		0	Male	77		ole scar rt
22-Sep-06	Brian:	N	Applied	Grey	30783		0	Male	72		
22-Sep-06	Brian:	N	Applied	Grey	30784		0	Female	70.5		
22-Sep-06	Brian:	N	Applied	Grey	30785		0	Female	69.5		set net,,,seal mr
22-Sep-06	Brian:	N	Applied	Grey	30786		0	Female	66		seal mrks,,,,scal

Appendix 1. Steelhead data obtained by beach seining. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
22-Sep-06	Brian:	N	Applied	Grey	30788		0	Female	71.5		scales,,hook left
22-Sep-06	Brian:	N	Recaptured			brown	24539	Female	73.5		

Appendix 2. Steelhead data obtained by dipnetting.

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
27-Jul-06	Yolanda	Y	None				0	Female	72		good and deade
01-Aug-06	Virginia	N	Applied	Orange	44501		0	Female	73.5		NET MARKS, recorded as 501
01-Aug-06	Yolanda	Y	None				0	Female	60		
02-Aug-06	Saraphin	N	Applied	Orange	44502		0	Male	55		NET MARKS
02-Aug-06	Saraphin	N	Applied	Orange	44503		0	Male	64		SCALE LOSS/NET MARKS/L-
02-Aug-06	Yolanda	N	None				0	Female	55		gaff
03-Aug-06	Saraphin	N	Applied	Orange	44504		0	Male	55.5		
03-Aug-06	Saraphin	N	Applied	Orange	44505		0	Male	70		NET MARKS
03-Aug-06	Saraphin	N	Applied	Orange	44506		0	Female	64.5		NET MARKS
03-Aug-06	Saraphin	N	Applied	Orange	44507		0	Female	66		DORSAL,PECTORAL NOSE
03-Aug-06	Saraphin	N	Applied	Orange	44508		0	Female	54.5		SCALE LOSS
03-Aug-06	Saraphin	N	Applied	Orange	44509		0	Male	64.5		SCALE LOSS
03-Aug-06	Saraphin	N	Applied	Orange	44510		0	Male	55		
03-Aug-06	Saraphin	N	Applied	Orange	44511		0	Male	73.5		SCALE LOSS
03-Aug-06	Saraphin	N	Applied	Orange	44512		0	Male	74		
04-Aug-06	Yolanda	N	Applied		44513		0	Male	50		
04-Aug-06	Saraphin	N	Applied	Orange	44514		0	Male	73		MOUTH NOSE AND BELLY
04-Aug-06	Saraphin	N	Applied	Orange	44515		0	Male	65		SCARS ON BELLY
04-Aug-06	Saraphin	N	Applied	Orange	44516		0	Male	83		L-SCARS
04-Aug-06	Saraphin	N	Applied	Orange	44517		0	Male	74		L-GILL PLATE - NOSE
04-Aug-06	Saraphin	N	Applied	Orange	44518		0	Male	75		DORSAL DAM.
04-Aug-06	Saraphin	N	Applied	Orange	44519		0	Male	52		TAIL DAM - SCALE LOSS
04-Aug-06	Saraphin	N	Recaptured			Orange	64160	Female	64.5		SCALELOSS - BOTTOM CUT
04-Aug-06	Saraphin	N	Recaptured			Orange	65093	Male	54	Bottom	SCALE LOSS
07-Aug-06	Saraphin	N	Applied	Orange	44520		0	Male	54		
07-Aug-06	Saraphin	N	Applied	Orange	44521		0	Female	73.5		SCALE LOSS
07-Aug-06	Saraphin	N	Applied	Orange	44522		0	Female	56.5		NET MARKS
07-Aug-06	Saraphin	N	Applied	Orange	44523		0	Male	49		NET M,ARKS
07-Aug-06	Saraphin	N	Applied	Orange	44524		0	Male	50		L-SCARS
07-Aug-06	Saraphin	N	Applied	Orange	44525		0	Male	56		NET MARKS - SCALE LOSS
07-Aug-06	Saraphin	N	Applied	Orange	44526		0	Male	85.5		
07-Aug-06	Yolanda	N	Applied	Orange	44528		0	Male	55		net mrks
07-Aug-06	Yolanda	N	Applied	Orange	44529		0	Male	72		
07-Aug-06	Yolanda	N	Applied	Orange	44547		0	Male	70		gills
07-Aug-06	Yolanda	N	Applied	Orange	44548		0	Male	70		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
07-Aug-06	Yolanda	N	Applied	Orange	44549		0	Female	64		
07-Aug-06	Yolanda	N	Applied	Orange	44550		0	Male	53		
07-Aug-06	Saraphin	N	Recaptured			White	14605	Male	85		M INI. OF ENVIRONMENT.
08-Aug-06	Virginia	N	Applied	Orange	44530		0	Male	68		SCALE MARKS - NET MARKS
08-Aug-06	Virginia	N	Applied	Orange	44532		0	Female	62		BROKEN - 44531
08-Aug-06	Virginia	N	Applied	Orange	44534		0	Male	67.5		BROKEN - 44533
08-Aug-06	Yolanda	N	Applied	Orange	44535		0	Male	71		scales,,, tail
08-Aug-06	Yolanda	N	Applied	Orange	44536		0	Female	77		tail
08-Aug-06	Yolanda	N	Applied	Orange	44537		0	Male	48		
08-Aug-06	Yolanda	N	Applied	Orange	44538		0	Male	74		
08-Aug-06	Virginia	N	Applied	Orange	44545		0	Female	78		NET MARKS
08-Aug-06	Virginia	N	Applied	Orange	44546		0	Female	66		
09-Aug-06	Virginia	N	Applied	Orange	44538		0	Male	74.5		
09-Aug-06	Virginia	N	Applied	Orange	44539		0	Female	51.5		NET MARKS
09-Aug-06	Virginia	N	Applied	Orange	44540		0	Male	76		HEAD DAM - NET MARKS
09-Aug-06	Virginia	N	Applied	Orange	44541		0	Male	67.5		
09-Aug-06	Virginia	N	Applied	Orange	44542		0	Male	67		L-SIDE SCARS
09-Aug-06	Yolanda	N	Applied	Orange	44633		0	Male	72		tail
09-Aug-06	Yolanda	N	Applied	Orange	44634		0	Male	74		tail
09-Aug-06	Yolanda	N	Applied	Orange	44636		0	Male	53		
09-Aug-06	Yolanda	N	Applied	Orange	44637		0	Male	56		
09-Aug-06	Yolanda	N	Applied	Orange	44638		0	Male	65		net mrks
09-Aug-06	Yolanda	N	Applied	Orange	44639		0	Male	78		
09-Aug-06	Yolanda	N	Applied	Orange	44640		0	Male	74		
09-Aug-06	Yolanda	N	Applied	Orange	44641		0	Male	76		tail
09-Aug-06	Yolanda	N	Applied	Orange	44642		0	Male	70		scales
09-Aug-06	Yolanda	N	Applied	Orange	44643		0	Female	67		
09-Aug-06	Yolanda	N	Applied	Orange	44644		0	Male	69		
09-Aug-06	Yolanda	N	Applied	Orange	44645		0	Male	97		
09-Aug-06	Yolanda	N	Applied	Orange	44646		0	Male	78		
09-Aug-06	Yolanda	N	Applied	Orange	44647		0	Female	71		
09-Aug-06	Yolanda	N	Applied	Orange	44648		0	Female	62		good
09-Aug-06	Yolanda	N	Applied	Orange	44649		0	Female	60		tail
09-Aug-06	Yolanda	Y	None				0	Male	68		head
09-Aug-06	Yolanda	Y	None				0	Male	78		gill torn

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
09-Aug-06	Virginia	N	Recaptured			White	14765	Male	78		NET MARKS
10-Aug-06	Yolanda	N	Applied	Orange	44609		0	Male	71		
10-Aug-06	Yolanda	N	Applied	Orange	44611		0	Male	71		
10-Aug-06	Yolanda	N	Applied	Orange	44613		0	Female	65		
10-Aug-06	Yolanda	N	Applied	Orange	44614		0	Female	72		scales
10-Aug-06	Yolanda	N	Applied	Orange	44615		0	Female	69		scales
10-Aug-06	Yolanda	N	Applied	Orange	44617		0	Female	67		scales
10-Aug-06	Yolanda	N	Applied	Orange	44618		0	Male	72		scales
10-Aug-06	Yolanda	N	Applied	Orange	44619		0	Female	67		
10-Aug-06	Yolanda	N	Applied	Orange	44620		0	Female	73		
10-Aug-06	Yolanda	N	Applied	Orange	44621		0	Male	55		
10-Aug-06	Yolanda	N	Applied	Orange	44622		0	Female	62		
10-Aug-06	Yolanda	N	Applied	Orange	44623		0	Female	58		
10-Aug-06	Yolanda	N	Applied	Orange	44624		0	Male	68		
10-Aug-06	Virginia	N	Applied	Orange	44626		0	Male	66		NET MARKS
10-Aug-06	Virginia	N	Applied	Orange	44627		0	Male	71		
10-Aug-06	Virginia	N	Applied	Orange	44628		0	Male	76		SCALE LOSS- LEFT SCAR -
10-Aug-06	Virginia	N	Applied	Orange	44629		0	Male	66		TORN TAIL - NET MARKS -
10-Aug-06	Virginia	N	Applied	Orange	44630		0	Male	75		DORSAL TORN - SCALE LOSS -
10-Aug-06	Virginia	N	Applied	Orange	44631		0	Male	73.5		MOUTH DAM.
10-Aug-06	Virginia	N	Applied	Orange	44632		0	Male	71		NET MARKS
11-Aug-06	Virginia	N	Applied	Orange	44551		0	Female	67		SCALE LOSS
11-Aug-06	Virginia	N	Applied	Orange	44552		0	Male	67		SCALE LOSS
11-Aug-06	Virginia	N	Applied	Orange	44554		0	Male	78		SCALE LOSS
11-Aug-06	Virginia	N	Applied	Orange	44555		0	Male	55		
11-Aug-06	Virginia	N	Applied	Orange	44556		0	Male	77		DORSAL/ALL FINS TORN.
11-Aug-06	Virginia	N	Applied	Orange	44557		0	Male	79		ALL FINS TORN
11-Aug-06	Virginia	N	Applied	Orange	44558		0	Male	76		
11-Aug-06	Virginia	N	Applied	Orange	44559		0	Male	54		SCALE LOSS - NET MARKS
11-Aug-06	Virginia	N	Applied	Orange	44561		0	Male	66		NET MARKS
11-Aug-06	Virginia	N	Applied	Orange	44564		0	Male	56		GASH ON BELLY
11-Aug-06	Yolanda	N	Applied	Orange	44565		0	Male	49		
11-Aug-06	Yolanda	N	Applied	Orange	44566		0	Male	55		tail
11-Aug-06	Yolanda	N	Applied	Orange	44567		0	Male	47		scales
11-Aug-06	Yolanda	N	Applied	Orange	44568		0	Female	68		

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Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
11-Aug-06	Yolanda	N	Applied	Orange	44569		0	Male	72		
11-Aug-06	Yolanda	N	Applied	Orange	44570		0	Male	63		scales
11-Aug-06	Yolanda	N	Applied	Orange	44571		0	Male	76		tail
11-Aug-06	Yolanda	N	Applied	Orange	44573		0	Female	54		
11-Aug-06	Yolanda	N	Applied	Orange	44576		0	Male	57		scales
11-Aug-06	Yolanda	N	Applied	Orange	44577		0	Male	55		
11-Aug-06	Yolanda	N	Applied	Orange	44580		0	Female	70		
11-Aug-06	Virginia	N	Applied	Orange	44601		0	Male	75		NET MARKS - R-GILLPLATE
11-Aug-06	Yolanda	N	Applied	Orange	44602		0	Male	78		tail, could be 44662
11-Aug-06	Yolanda	N	Applied	Orange	44603		0	Male	49		could be 44663
11-Aug-06	Virginia	N	Applied	Orange	44606		0	Male	79		
11-Aug-06	Virginia	N	Applied	Orange	44607		0	Male	67		44605
11-Aug-06	Yolanda	N	Applied	Orange	44651		0	Female	69		
11-Aug-06	Yolanda	N	Applied	Orange	44652		0	Female	75		
11-Aug-06	Yolanda	N	Applied	Orange	44653		0	Male	85		gaff mrks
11-Aug-06	Yolanda	N	Applied	Orange	44655		0	Female	70		tail
11-Aug-06	Yolanda	N	Applied	Orange	44656		0	Female	69		
11-Aug-06	Yolanda	N	Applied	Orange	44657		0	Female	77		scales
11-Aug-06	Yolanda	N	Applied	Orange	44658		0	Female	74		sea lice,,,tail
11-Aug-06	Yolanda	N	Applied	Orange	44659		0	Female	74		
11-Aug-06	Yolanda	N	Applied	Orange	44660		0	Female	63		
11-Aug-06	Yolanda	N	Applied	Orange	44664		0	Female	51		
11-Aug-06	Yolanda	N	Applied	Orange	44665		0	Female	68		
11-Aug-06	Yolanda	N	Applied	Orange	44666		0	Male	82		
11-Aug-06	Yolanda	N	Applied	Orange	44667		0	Female	74		
11-Aug-06	Yolanda	N	Applied	Orange	44670		0	Female	74		tail
11-Aug-06	Yolanda	N	Applied	Orange	44671		0	Male	56		tail
11-Aug-06	Yolanda	N	Applied	Orange	44673		0	Female	74		
11-Aug-06	Yolanda	N	None				0	Male	72		jumped out
11-Aug-06	Virginia	N	Recaptured			Grey	33327	Male	72		L-SCAR.
14-Aug-06	Virginia	N	Applied	Orange	44674		0	Male	50		
14-Aug-06	Virginia	N	Applied	Orange	44675		0	Female	77		
14-Aug-06	Virginia	N	Applied	Orange	44678		0	Male	72		
14-Aug-06	Virginia	N	Applied	Orange	44682		0	Female	73		
14-Aug-06	Virginia	N	Applied	Orange	44683		0	Male	78		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
14-Aug-06	Virginia	N	Applied	Orange	44684		0	Male	70		SCALE LOSS - NET MARKS
14-Aug-06	Virginia	N	Applied	Orange	44685		0	Male	73		SCALE LOSS
14-Aug-06	Virginia	N	Applied	Orange	44686		0	Male	47		TAIL SCAR
14-Aug-06	Yolanda	N	Applied	Orange	44687		0	Female	67		ripped by tail
14-Aug-06	Yolanda	N	Applied	Orange	44688		0	Female	56		
14-Aug-06	Yolanda	N	Applied	Orange	44689		0	Male	62		tail
14-Aug-06	Yolanda	N	Applied	Orange	44690		0	Female	70		scales
14-Aug-06	Yolanda	N	Applied	Orange	44694		0	Female	57		
14-Aug-06	Yolanda	N	Applied	Orange	44696		0	Female	66		tail
14-Aug-06	Yolanda	N	Applied	Orange	44697		0	Female	68		
14-Aug-06	Yolanda	N	Applied	Orange	44698		0	Female	65		
14-Aug-06	Yolanda	N	Applied	Orange	44699		0	Female	70		scales,,, tail
14-Aug-06	Yolanda	N	Applied	Orange	44700		0	Female	72		
14-Aug-06	Yolanda	N	Applied	Orange	44701		0	Female	63		
14-Aug-06	Yolanda	N	Applied	Orange	44702		0	Male	53		
14-Aug-06	Yolanda	N	Applied	Orange	44703		0	Female	64		
14-Aug-06	Yolanda	N	Applied	Orange	44704		0	Male	54		tail
14-Aug-06	Yolanda	N	Applied	Orange	44705		0	Female	79		
14-Aug-06	Yolanda	N	Applied	Orange	44706		0	Female	74		
14-Aug-06	Yolanda	N	Applied	Orange	44707		0	Male	59		net mrks
14-Aug-06	Yolanda	N	Applied	Orange	44709		0	Female	76		scales
14-Aug-06	Yolanda	N	Applied	Orange	44710		0	Female	55		net mrks
14-Aug-06	Yolanda	N	Applied	Orange	44711		0	Female	75		tail
14-Aug-06	Yolanda	N	Applied	Orange	44712		0	Female	68		scales
14-Aug-06	Yolanda	N	Applied	Orange	44713		0	Male	78		scales
14-Aug-06	Yolanda	N	Applied	Orange	44714		0	Female	68		net mrks
14-Aug-06	Yolanda	N	Applied	Orange	44715		0	Female	70		scars side
14-Aug-06	Yolanda	N	Applied	Orange	44718		0	Female	77		
14-Aug-06	Yolanda	N	Applied	Orange	44719		0	Male	69		
14-Aug-06	Yolanda	N	Applied	Orange	44720		0	Female	55		net mrks
14-Aug-06	Yolanda	N	Applied	Orange	44721		0	Female	53		
14-Aug-06	Yolanda	N	Applied	Orange	44722		0	Female	69		
14-Aug-06	Yolanda	N	Applied	Orange	44723		0	Female	54		
14-Aug-06	Virginia	N	Recaptured			grey	27538	Male	71	N	NO HOLE PUNCH
14-Aug-06	Yolanda	N	Recaptured			Orange	44501	Female	73	Bottom	

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
15-Aug-06	Virginia	N	Applied	Orange	44726		0	Male	55		
15-Aug-06	Virginia	N	Applied	Orange	44727		0	Male	84		scales
15-Aug-06	Virginia	N	Applied	Orange	44728		0	Male	87		net mrks
15-Aug-06	Yolanda	N	Applied	Orange	44730		0	Female	69		tail
15-Aug-06	Yolanda	N	Applied	Orange	44731		0	Female	54		net mrks
15-Aug-06	Yolanda	N	Applied	Orange	44732		0	Male	69		scales
15-Aug-06	Yolanda	N	Applied	Orange	44733		0	Female	51		tail
15-Aug-06	Yolanda	N	Applied	Orange	44734		0	Female	63		tail
15-Aug-06	Yolanda	N	Applied	Orange	44735		0	Female	73		tail
15-Aug-06	Yolanda	N	Applied	Orange	44736		0	Male	67		
15-Aug-06	Yolanda	N	Applied	Orange	44737		0	Male	70		
15-Aug-06	Yolanda	N	Applied	Orange	44738		0	Female	66		
15-Aug-06	Yolanda	N	Applied	Orange	44740		0	Female	67		
15-Aug-06	Yolanda	N	Applied	Orange	44742		0	Male	58		
15-Aug-06	Yolanda	N	Applied	Orange	44743		0	Female	54		
15-Aug-06	Yolanda	N	Applied	Orange	44744		0	Female	65		
15-Aug-06	Yolanda	N	Applied	Orange	44745		0	Female	58		
15-Aug-06	Yolanda	N	Applied	Orange	44746		0	Female	50		
15-Aug-06	Yolanda	N	Applied	Orange	44747		0	Male	53		net mrks
15-Aug-06	Yolanda	N	Applied	Orange	44748		0	Female	49		
15-Aug-06	Yolanda	N	Applied	Orange	44749		0	Female	52		
15-Aug-06	Yolanda	N	Applied	Orange	44750		0	Female	70		
15-Aug-06	Yolanda	N	Applied	Orange	44752		0	Female	65		
15-Aug-06	Yolanda	N	Applied	Orange	44758		0	Male	69		could be 44753
15-Aug-06	Virginia	N	lost	Orange	44725		0	Female	86	Bottom	
15-Aug-06	Yolanda	N	Recaptured			Orange	44648	Female	62	Bottom	
16-Aug-06	Virginia	N	Applied	Orange	44759		0	Male	73.5		scales,,,tail,,,,all fins
16-Aug-06	Virginia	N	Applied	Orange	44760		0	Male	58.5		
16-Aug-06	Virginia	N	Applied	Orange	44761		0	Male	54		net,,,dorsal
16-Aug-06	Virginia	N	Applied	Orange	44762		0	Male	70		all fins,,,scar rt
16-Aug-06	Virginia	N	Applied	Orange	44763		0	Male	54		
16-Aug-06	Virginia	N	Applied	Orange	44764		0	Male	49.5		dorsal
16-Aug-06	Virginia	N	Applied	Orange	44765		0	Male	72.5		ole scars ,, net
16-Aug-06	Yolanda	N	Applied	Orange	44767		0	Female	51		tail
16-Aug-06	Yolanda	N	Applied	Orange	44768		0	Female	69		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
16-Aug-06	Yolanda	N	Applied	Orange	44769		0	Female	68		tail
16-Aug-06	Yolanda	N	Applied	Orange	44770		0	Female	75		tail
16-Aug-06	Yolanda	N	Applied	Orange	44771		0	Female	51		
16-Aug-06	Yolanda	N	Applied	Orange	44772		0	Male	74		
16-Aug-06	Yolanda	N	Applied	Orange	44773		0	Female	78		
16-Aug-06	Yolanda	N	Applied	Orange	44774		0	Female	77		tail
16-Aug-06	Yolanda	N	Applied	Orange	44775		0	Female	50		tail
16-Aug-06	Yolanda	N	Applied	Orange	44776		0	Female	64		tail
16-Aug-06	Yolanda	N	Applied	Orange	44777		0	Male	69		
16-Aug-06	Yolanda	N	Applied	Orange	44778		0	Female	65		tail
16-Aug-06	Yolanda	N	Applied	Orange	44779		0	Female	77		tail
16-Aug-06	Yolanda	N	Applied	Orange	44780		0	Female	71		
16-Aug-06	Yolanda	N	Applied	Orange	44781		0	Female	92		
16-Aug-06	Yolanda	N	Applied	Orange	44802		0	Male	71		
16-Aug-06	Yolanda	N	Applied	Orange	44803		0	Female	54		tail,,,scales
16-Aug-06	Yolanda	N	Applied	Orange	44804		0	Female	83		
16-Aug-06	Yolanda	N	Applied	Orange	44805		0	Female	76		
16-Aug-06	Yolanda	N	Applied	Orange	44806		0	Female	56		
16-Aug-06	Yolanda	N	Applied	Orange	44807		0	Female	76		
16-Aug-06	Yolanda	N	Applied	Orange	44808		0	Male	73		
16-Aug-06	Yolanda	N	Applied	Orange	44809		0	Male	96		
16-Aug-06	Yolanda	N	Applied	Orange	44810		0	Female	68		
17-Aug-06	Virginia	N	Applied	Orange	44811		0	Male	58.5		scar both sides
17-Aug-06	Virginia	N	Applied	Orange	44813		0	Male	67		all fins
17-Aug-06	Virginia	N	Applied	Orange	44814		0	Male	58.5		
17-Aug-06	Virginia	N	Applied	Orange	44815		0	Male	68.5		
17-Aug-06	Virginia	N	Applied	Orange	44816		0	Male	57		gash left,,,scales
17-Aug-06	Virginia	N	Applied	Orange	44817		0	Male	67		scales
17-Aug-06	Virginia	N	Applied	Orange	44818		0	Male	53		scales
17-Aug-06	Virginia	N	Applied	Orange	44819		0	Male	67		scales,,,tail
17-Aug-06	Virginia	N	Applied	Orange	44820		0	Male	83		scar stomach,,,net mrks
17-Aug-06	Virginia	N	Applied	Orange	44821		0	Male	72.5		
17-Aug-06	Virginia	N	Applied	Orange	44822		0	Male	68.5		net,,,scales
17-Aug-06	Virginia	N	Applied	Orange	44823		0	Male	68.5		net
17-Aug-06	Yolanda	N	Applied	Orange	44824		0	Male	71		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
17-Aug-06	Yolanda	N	Applied	Orange	44825		0	Female	80		damaged gills
17-Aug-06	Yolanda	N	Applied	Orange	44826		0	Male	78		
17-Aug-06	Yolanda	N	Applied	Orange	44827		0	Male	52		
17-Aug-06	Yolanda	N	Applied	Orange	44828		0	Female	75		tail
17-Aug-06	Yolanda	N	Applied	Orange	44829		0	Female	63		
17-Aug-06	Yolanda	N	Applied	Orange	44830		0	Female	64		net mrks
17-Aug-06	Yolanda	N	Applied	Orange	44831		0	Female	74		tail,,,net mrks
17-Aug-06	Yolanda	N	Applied	Orange	44832		0	Female	72		scales
17-Aug-06	Yolanda	N	Applied	Orange	44833		0	Female	92		
17-Aug-06	Yolanda	N	Applied	Orange	44834		0	Female	57		
17-Aug-06	Yolanda	N	Applied	Orange	44835		0	Female	68		
17-Aug-06	Yolanda	N	Applied	Orange	44836		0	Male	55		
17-Aug-06	Yolanda	N	Applied	Orange	44837		0	Female	50		
17-Aug-06	Yolanda	N	Applied	Orange	44838		0	Female	70		
17-Aug-06	Yolanda	N	Applied	Orange	44839		0	Female	55		scales,, net mrks
17-Aug-06	Yolanda	N	Applied	Orange	44840		0	Female	73		
17-Aug-06	Yolanda	N	Applied	Orange	44841		0	Female	70		scales
17-Aug-06	Yolanda	N	Applied	Orange	44842		0	Female	80		tail
17-Aug-06	Yolanda	N	Applied	Orange	44843		0	Male	76		tail
17-Aug-06	Yolanda	N	Applied	Orange	44844		0	Female	53		sea lice
17-Aug-06	Yolanda	N	Applied	Orange	44845		0	Female	62		tail
17-Aug-06	Yolanda	N	Applied	Orange	44846		0	Male	69		
17-Aug-06	Yolanda	Y	None				0	Female	51		
17-Aug-06	Virginia	N	Recaptured			Orange	44505	Male	68.5	Top	tail ,,head
17-Aug-06	Virginia	N	Recaptured			Orange	44511	Male	68.5	Top	scales,,,all fins,,net mrks
18-Aug-06	Yolanda	N	Applied	Orange	44802		0	Male	70	Top	
18-Aug-06	Virginia	N	Applied	Orange	44847		0	Male	65		scales
18-Aug-06	Virginia	N	Applied	Orange	44848		0	Female	52		scales
18-Aug-06	Virginia	N	Applied	Orange	44849		0	Male	67		tail,,, scales
18-Aug-06	Virginia	N	Applied	Orange	44850		0	Male	73.5		net,,,all fins
18-Aug-06	Virginia	N	Applied	Orange	44852		0	Male	67		scales,,,all fins,,,,,net mrks
18-Aug-06	Virginia	N	Applied	Orange	44853		0	Male	57		scales,,,net mrks
18-Aug-06	Virginia	N	Applied	Orange	44854		0	Male	68.5		scales
18-Aug-06	Virginia	N	Applied	Orange	44855		0	Male	67		
18-Aug-06	Virginia	N	Applied	Orange	44856		0	Male	56		scales

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
18-Aug-06	Virginia	N	Applied	Orange	44859		0	Male	63.5		scales
18-Aug-06	Virginia	N	Applied	Orange	44860		0	Male	59.5		net mrks,,,all fins
18-Aug-06	Virginia	N	Applied	Orange	44861		0	Male	59.5		scales,,net mrks
18-Aug-06	Virginia	N	Applied	Orange	44862		0	Male	78.5		
18-Aug-06	Virginia	N	Applied	Orange	44863		0	Male	66		dorsal,,,net mrks
18-Aug-06	Virginia	N	Applied	Orange	44864		0	Female	75		scar rt,,,net mrks
18-Aug-06	Virginia	N	Applied	Orange	44865		0	Male	68.5		scales
18-Aug-06	Yolanda	N	Applied	Orange	44866		0	Female	74	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44867		0	Male	76		
18-Aug-06	Virginia	N	Applied	Orange	44868		0	Male	75		net mrks
18-Aug-06	Virginia	N	Applied	Orange	44869		0	Male	72.5		scales
18-Aug-06	Virginia	N	Applied	Orange	44870		0	Male	87		net mrks,,,scales,, scar left
18-Aug-06	Yolanda	N	Applied	Orange	44874		0	Male	65	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44879		0	Female	72	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44880		0	Male	75	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44887		0	Female	71	Top	TORN TAIL
18-Aug-06	Yolanda	N	Applied	Orange	44888		0	Male	57	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44889		0	Male	41	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44890		0	Male	70	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44891		0	Female	53	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44892		0	Male	71	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44893		0	Male	71	Top	TORN TAIL
18-Aug-06	Yolanda	N	Applied	Orange	44894		0	Female	57	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44896		0	Female	68	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44898		0	Female	103		
18-Aug-06	Yolanda	N	Applied	Orange	44899		0	Female	80		
18-Aug-06	Yolanda	N	Applied	Orange	44903		0	Female	70		
18-Aug-06	Yolanda	N	Applied	Orange	44904		0	Female	70		TORN TAIL.
18-Aug-06	Yolanda	N	Applied	Orange	44905		0	Male	61		
18-Aug-06	Yolanda	N	Applied	Orange	44906		0	Female	70		SCALE LOSS.
18-Aug-06	Yolanda	N	Applied	Orange	44907		0	Female	52		
18-Aug-06	Yolanda	N	Applied	Orange	44908		0	Female	70	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44909		0	Male	74	Top	TAIL TORN
18-Aug-06	Yolanda	N	Applied	Orange	44910		0	Female	70	Top	
18-Aug-06	Yolanda	N	Applied	Orange	44911		0	Female	68	Top	

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Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
18-Aug-06	Virginia	N	Recaptured			Orange	44504	Male	67	Top	fins torn
18-Aug-06	Virginia	N	Recaptured			Orange	44619	Male	66		tail,,,scales,,,snout,,,net
18-Aug-06	Virginia	N	Recaptured			Orange	44651	Male	68.5	Top	all fins
18-Aug-06	Yolanda	N	Recaptured			Orange	44660	Female	61	Bottom	SCALE LOSS
18-Aug-06	Yolanda	N	Recaptured			White	15347	Female	77	Bottom	
18-Aug-06	Virginia	N	Recaptured			White	15704	Male	66		all fins,,, scales
18-Aug-06	Yolanda	N	Recaptured	Orange	44875	Blue	7018	Female	58	Bottom	7018 COHO TAG.
21-Aug-06	Yolanda	N	Applied	Orange	44913		0	Female	59	Top	NET MARKS
21-Aug-06	Yolanda	N	Applied	Orange	44914		0	Female	86	Top	TORN TAIL.
21-Aug-06	Yolanda	N	Applied	Orange	44915		0	Male	79	Top	
21-Aug-06	Yolanda	N	Applied	Orange	44916		0	Female	62	Top	
21-Aug-06	Yolanda	N	Applied	Orange	44917		0	Female	75	Top	TORN TAIL.
21-Aug-06	Yolanda	N	Applied	Orange	44918		0	Female	73	Top	TORN TAIL.
21-Aug-06	Yolanda	N	Applied	Orange	44919		0	Female	61	Top	TORN TAIL
21-Aug-06	Yolanda	N	Applied	Orange	44920		0	Female	76	Top	TORN TAIL
21-Aug-06	Yolanda	N	Applied	Orange	44921		0	Female	80	Top	TORN TAIL
21-Aug-06	Yolanda	N	Applied	Orange	44923		0	Female	49	Top	
21-Aug-06	Yolanda	N	Applied	Orange	44924		0	Female	67	Top	
21-Aug-06	Yolanda	N	Applied	Orange	44925		0	Female	69	Top	
21-Aug-06	Yolanda	N	Applied	Orange	44926		0	Female	68	Top	
21-Aug-06	Yolanda	N	Applied	Orange	44927		0	Female	94	Top	TORN TAIL
21-Aug-06	Yolanda	N	Applied	Orange	44928		0	Female	81	Top	TORN TAIL
21-Aug-06	Yolanda	N	Applied	Orange	44929		0	Female	73	Top	
21-Aug-06	Yolanda	N	Applied	Orange	44930		0	Female	72	Top	TORN TAIL
21-Aug-06	Yolanda	N	Applied	Orange	44931		0	Female	68	Top	
21-Aug-06	Virginia	N	Applied	Orange	44932		0	Male	86.5		ole scar left,,,scales,,,net mrks
21-Aug-06	Virginia	N	Applied	Orange	44933		0	Male	56		net mrks,,,scales,
21-Aug-06	Virginia	N	Applied	Orange	44934		0	Male	74		scalez
21-Aug-06	Virginia	N	Applied	Orange	44935		0	Male	75		net mrks
21-Aug-06	Virginia	N	Applied	Orange	44936		0	Male	72		
21-Aug-06	Virginia	N	Applied	Orange	44937		0	Male	66		scales
21-Aug-06	Virginia	N	Applied	Orange	44938		0	Male	72.5		scales
21-Aug-06	Virginia	N	Applied	Orange	44939		0	Male	66		
21-Aug-06	Virginia	N	Applied	Orange	44940		0	Male	82		scales
21-Aug-06	Virginia	N	Applied	Orange	44941		0	Male	66.5		scales,,tail

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Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
21-Aug-06	Virginia	N	Applied	Orange	44942		0	Male	69		dorsal
21-Aug-06	Virginia	N	Applied	Orange	44945		0	Male	71		scar left,,scales
21-Aug-06	Virginia	N	Applied	Orange	44946		0	Male	68		tail
21-Aug-06	Virginia	N	Applied	Orange	44947		0	Male	88		claw mrks
21-Aug-06	Virginia	N	Applied	Orange	44952		0	Male	68		scales,, net mrks
21-Aug-06	Virginia	N	Applied	Orange	44953		0	Male	74		
21-Aug-06	Virginia	N	Applied	Orange	44954		0	Male	73		net mrks,,dorsal,,
21-Aug-06	Virginia	N	Applied	Orange	44955		0	Male	76		net mrks,scales
21-Aug-06	Virginia	N	Applied	Orange	44956		0	Male	91		all fins,,scales
21-Aug-06	Virginia	N	Applied	Orange	44957		0	Male	57		net mrks,,scales
21-Aug-06	Virginia	N	Applied	Orange	44958		0	Male	82		net mrks
21-Aug-06	Virginia	N	Applied	Orange	44959		0	Male	52.5		scales
21-Aug-06	Virginia	N	Recaptured			Orange	44109	Male	74		tail
21-Aug-06	Yolanda	N	Recaptured			White	14759	Female	85	Bottom	
21-Aug-06	Virginia	N	Recaptured			White	15335	Male	74		no tail punch,,,,net mrks,scales
22-Aug-06	Yolanda	N	Applied	Orange	44142		0	Female	63	Top	TAIL DAM.
22-Aug-06	Yolanda	N	Applied	Orange	44878		0	Male	67	Top	
22-Aug-06	Yolanda	N	Applied	Orange	44960		0	Female	74	Top	
22-Aug-06	Yolanda	N	Applied	Orange	44963		0	Female	93	Top	TORN TAIL
22-Aug-06	Yolanda	N	Applied	Orange	44964		0	Male	78	Top	
22-Aug-06	Yolanda	N	Applied	Orange	44965		0	Female	64	Top	TAIL DAM.
22-Aug-06	Yolanda	N	Applied	Orange	44966		0	Female	76	Top	
22-Aug-06	Yolanda	N	Applied	Orange	44967		0	Female	77	Top	
22-Aug-06	Yolanda	N	Applied	Orange	44969		0	Female	75	Top	
22-Aug-06	Yolanda	N	Applied	Orange	44972		0	Female	76	Top	TAIL DAM.
22-Aug-06	Yolanda	N	Applied	Orange	44973		0	Male	55	Top	NET MARKS
22-Aug-06	Yolanda	N	Applied	Orange	44974		0	Male	76	Top	
22-Aug-06	Yolanda	N	Applied	Orange	44975		0	Female	70	Top	
22-Aug-06	Yolanda	N	Applied	Orange	44976		0	Female	80	Top	
22-Aug-06	Yolanda	N	Applied	Orange	44978		0	Female	65	Top	TAIL DAM.OPEN WOUND.
22-Aug-06	Virginia	N	Applied	Orange	44979		0	Male	58		net mrks
22-Aug-06	Virginia	N	Applied	Orange	44981		0	Male	68		scales,,netmrks
22-Aug-06	Virginia	N	Applied	Orange	44988		0	Male	76		net mrks
22-Aug-06	Virginia	N	Applied	Orange	44989		0	Male	71		scar left,,net mrks,,all fins
22-Aug-06	Virginia	N	Applied	Orange	44990		0	Male	78.5		left gill, dorsal

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
22-Aug-06	Virginia	N	Applied	Orange	44991		0	Male	85		all fins,,scar rt
22-Aug-06	Virginia	N	Applied	Orange	44992		0	Male	60		net mrks,,scales
22-Aug-06	Virginia	N	Applied	Orange	44994		0	Male	71		
22-Aug-06	Virginia	N	Applied	Orange	44995		0	Male	74		net mrks
22-Aug-06	Virginia	N	Recaptured			Orange	44108	Male	72	Bottom	scales,,all fins
22-Aug-06	Yolanda	N	Recaptured			orange	44142	Female	63	Bottom	nose, net marks, torn tale
22-Aug-06	Yolanda	N	Recaptured			Orange	44850	Female	74		TAIL DAM.
22-Aug-06	Virginia	N	Recaptured			White	15477	Male	66		scales,,all fins,,
23-Aug-06	Virginia	N	Applied	Orange	44002		0	Male	57		scales
23-Aug-06	Virginia	N	Applied	Orange	44003		0	Male	83		tail,,net mrks
23-Aug-06	Virginia	N	Applied	Orange	44004		0	Male	64.5		scales,, all fins
23-Aug-06	Virginia	N	Applied	Orange	44005		0	Male	71		eel mrk back,,scar rt
23-Aug-06	Virginia	N	Applied	Orange	44007		0	Male	76		all fins
23-Aug-06	Virginia	N	Applied	Orange	44008		0	Male	71		all fins,,scales
23-Aug-06	Virginia	N	Applied	Orange	44009		0	Male	72		scales
23-Aug-06	Virginia	N	Applied	Orange	44010		0	Male	76		
23-Aug-06	Virginia	N	Applied	Orange	44011		0	Male	54		scales
23-Aug-06	Virginia	N	Applied	Orange	44012		0	Male	69		
23-Aug-06	Virginia	N	Applied	Orange	44013		0	Female	70		belly
23-Aug-06	Virginia	N	Applied	Orange	44014		0	Male	73		
23-Aug-06	Virginia	N	Applied	Orange	44017		0	Male	70		scales,, tail
23-Aug-06	Virginia	N	Applied	Orange	44018		0	Male	73		tail,,scales
23-Aug-06	Virginia	N	Applied	Orange	44019		0	Male	71		scales,, net mrks
23-Aug-06	Virginia	N	Applied	Orange	44020		0	Male	88		net mrks
23-Aug-06	Virginia	N	Applied	Orange	44021		0	Male	71		scales, scar rt
23-Aug-06	Virginia	N	Applied	Orange	44022		0	Male	58		net mrks
23-Aug-06	Yolanda	N	Applied	Orange	44997		0	Female	87	Top	
23-Aug-06	Yolanda	N	Applied	Orange	44998		0	Female	69	Top	
23-Aug-06	Yolanda	N	Applied	Orange	44999		0	Female	67	Top	
23-Aug-06	Yolanda	N	Applied	Orange	45000		0	Female	71	Top	
23-Aug-06	Yolanda	N	None				0	Female	49		
23-Aug-06	Yolanda	N	None				0	Female	63	Top	
23-Aug-06	Yolanda	N	None				0	Female	62		NET MARKAS
23-Aug-06	Yolanda	N	None				0	Female	49		
23-Aug-06	Yolanda	N	None				0	Female	65		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
23-Aug-06	Yolanda	N	None	Orange			0	Female	74		NET MARKS
23-Aug-06	Virginia	N	Recaptured			Orange	44092	Male	87	Bottom	scar rt
23-Aug-06	Virginia	N	Recaptured			Orange	44116	Male	72	Bottom	
23-Aug-06	Virginia	N	Recaptured			Orange	44641	Male	75	Top	snout,,,eel mrk belly
23-Aug-06	Virginia	N	Recaptured			Orange	44743	Female	54.5	Top	scales
23-Aug-06	Virginia	N	Recaptured			White	40139	Male	65	n	left plate,,,
24-Aug-06	Yolanda	N	Applied	Orange	44023		0	Female	67		
24-Aug-06	Yolanda	N	Applied	Orange	44024		0	Female	78		
24-Aug-06	Yolanda	N	Applied	Orange	44025		0	Female	68		
24-Aug-06	Yolanda	N	Applied	Orange	44026		0	Female	69		
24-Aug-06	Yolanda	N	Applied	Orange	44027		0	Female	66		
24-Aug-06	Yolanda	N	Applied	Orange	44028		0	Male	56		
24-Aug-06	Yolanda	N	Applied	Orange	44029		0	Female	66		
24-Aug-06	Yolanda	N	Applied	Orange	44030		0	Female	67		
24-Aug-06	Yolanda	N	Applied	Orange	44031		0	Female	81		tail
24-Aug-06	Yolanda	N	Applied	Orange	44032		0	Female	73		
24-Aug-06	Yolanda	N	Applied	Orange	44033		0	Female	68		
24-Aug-06	Yolanda	N	Applied	Orange	44034		0	Female	82		tail
24-Aug-06	Yolanda	N	Applied	Orange	44035		0	Female	59		net mrks,,,, tail
24-Aug-06	Yolanda	N	Applied	Orange	44036		0	Female	80		
24-Aug-06	Yolanda	N	Applied	Orange	44037		0	Female	55		
24-Aug-06	Yolanda	N	Applied	Orange	44038		0	Female	69		
24-Aug-06	Yolanda	N	Applied	Orange	44039		0	Female	72		
24-Aug-06	Yolanda	N	Applied	Orange	44040		0	Female	74		tail
24-Aug-06	Virginia	N	Applied	Orange	44041		0	Male	54.5		scar rt
24-Aug-06	Virginia	N	Applied	Orange	44042		0	Male	59		
24-Aug-06	Virginia	N	Applied	Orange	44043		0	Male	69		
24-Aug-06	Virginia	N	Applied	Orange	44044		0	Male	56		net mrks
24-Aug-06	Virginia	N	Applied	Orange	44045		0	Male	71		scales,,, tail
24-Aug-06	Virginia	N	Applied	Orange	44046		0	Male	57		scales
24-Aug-06	Virginia	N	Applied	Orange	44047		0	Male	81		scales,,, tail
24-Aug-06	Virginia	N	Applied	Orange	44048		0	Male	67.5		net mrks,,, scales
24-Aug-06	Virginia	N	Applied	Orange	44049		0	Male	69.5		scales
24-Aug-06	Virginia	N	Applied	Orange	44050		0	Male	50.5		scar rt,,, net mrks
24-Aug-06	Virginia	N	Applied	Orange	44351		0	Male	70		scar rt,,, net mrks

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
24-Aug-06	Virginia	N	Applied	Orange	44352		0	Male	48.5		scales,,, net
24-Aug-06	Virginia	N	Applied	Orange	44353		0	Female	62		net
24-Aug-06	Virginia	N	Applied	Orange	44354		0	Male	72		net
24-Aug-06	Virginia	N	Applied	Orange	44355		0	Male	56		scales
24-Aug-06	Virginia	N	Applied	Orange	44356		0	Male	83		
24-Aug-06	Virginia	N	Applied	Orange	44357		0	Male	73		scales
24-Aug-06	Virginia	N	Applied	Orange	44358		0	Male	63		
24-Aug-06	Virginia	N	Applied	Orange	44359		0	Male	86		
24-Aug-06	Virginia	N	Applied	Orange	44360		0	Male	94		
24-Aug-06	Virginia	N	Applied	Orange	44361		0	Male	68		net
24-Aug-06	Virginia	N	Applied	Orange	44362		0	Male	80		all fins
24-Aug-06	Virginia	N	Applied	Orange	44363		0	Male	73		scar rt,,,, scales
24-Aug-06	Virginia	N	Applied	Orange	44364		0	Male	56		net mrks
24-Aug-06	Virginia	Y	None				0	Male	52		
24-Aug-06	Yolanda	N	Recaptured			Orange	44148	Female	54		
24-Aug-06	Virginia	N	Recaptured			Orange	44151	Male	62	Bottom	snout
24-Aug-06	Virginia	Y	Recaptured			Orange	44999	Male			dead
24-Aug-06	Virginia	N	Recaptured			White	15693	Male	78	n	scalesa
24-Aug-06	Yolanda	N	Recaptured			White	40068	Female	80	Bottom	has tag colour as w only
25-Aug-06	Yolanda	N	Applied	Orange	44366		0	Female	71		
25-Aug-06	Yolanda	N	Applied	Orange	44367		0	Female	73		
25-Aug-06	Yolanda	N	Applied	Orange	44369		0	Female	68		tail
25-Aug-06	Yolanda	N	Applied	Orange	44370		0	Male	74		
25-Aug-06	Yolanda	N	Applied	Orange	44372		0	Female	49		
25-Aug-06	Yolanda	N	Applied	Orange	44373		0	Female	70		
25-Aug-06	Yolanda	N	Applied	Orange	44374		0	Female	89		
25-Aug-06	Yolanda	N	Applied	Orange	44375		0	Female	70		
25-Aug-06	Yolanda	N	Applied	Orange	44378		0	Female	76		
25-Aug-06	Yolanda	N	Applied	Orange	44379		0	Female	59		
25-Aug-06	Yolanda	N	Applied	Orange	44380		0	Male	51		
25-Aug-06	Yolanda	N	Applied	Orange	44381		0	Female	67		
25-Aug-06	Yolanda	N	Applied	Orange	44382		0	Female	74		
25-Aug-06	Yolanda	N	Applied	Orange	44383		0	Female	69		
25-Aug-06	Yolanda	N	Applied	Orange	44384		0	Female	72		
25-Aug-06	Yolanda	N	Applied	Orange	44385		0	Female	72		tail

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
25-Aug-06	Yolanda	N	Applied	Orange	44386		0	Female	67		
25-Aug-06	Yolanda	N	Applied	Orange	44387		0	Female	67		
25-Aug-06	Yolanda	N	Applied	Orange	44388		0	Female	78		
25-Aug-06	Yolanda	N	Applied	Orange	44389		0	Female	51		
25-Aug-06	Yolanda	N	Applied	Orange	44390		0	Female	65		
25-Aug-06	Virginia	N	Applied	Orange	44391		0	Male	66		all fins,,,snout
25-Aug-06	Virginia	N	Applied	Orange	44392		0	Female	73		net mrks,,,tail
25-Aug-06	Virginia	N	Applied	Orange	44393		0	Female	70		tail
25-Aug-06	Virginia	N	Applied	Orange	44394		0	Male	70		
25-Aug-06	Virginia	N	Applied	Orange	44395		0	Male	68		scales,, all fins
25-Aug-06	Virginia	N	Applied	Orange	44396		0	Male	67.5		net mrks
25-Aug-06	Virginia	N	Applied	Orange	44397		0	Male	86		dorsal
25-Aug-06	Virginia	N	Applied	Orange	44398		0	Male	76		
25-Aug-06	Virginia	N	Applied	Orange	44399		0	Male	83		
25-Aug-06	Virginia	N	Applied	Orange	44400		0	Male	74.5		tail
25-Aug-06	Virginia	N	Applied	Orange	44402		0	Male	79		scales,,, net mrks
25-Aug-06	Virginia	N	Applied	Orange	44403		0	Male	73		
25-Aug-06	Virginia	N	Applied	Orange	44404		0	Male	70		scales
25-Aug-06	Virginia	N	Applied	Orange	44405		0	Male	81		scales,, all fins
25-Aug-06	Virginia	N	Applied	Orange	44406		0	Male	71		all fins,,, net mrks
25-Aug-06	Virginia	N	Applied	Orange	44407		0	Male	68.5		net mrks,, tail
25-Aug-06	Virginia	N	Applied	Orange	44408		0	Male	85		
25-Aug-06	Virginia	N	Applied	Orange	44410		0	Male	81		tail,,,scales
25-Aug-06	Virginia	N	Applied	Orange	44411		0	Male	76		adipose torn
25-Aug-06	Virginia	N	Applied	Orange	44412		0	Male	58		scales,,, net mrks
25-Aug-06	Virginia	N	Applied	Orange	44413		0	Male	71		scales,,, net mrks
25-Aug-06	Virginia	Y	None				0	Male	88		
25-Aug-06	Yolanda	N	Recaptured			Orange	44611	Male	70		
25-Aug-06	Yolanda	N	Recaptured			White	15426	Female	66	Bottom	tail
28-Aug-06	Yolanda	N	Applied	Orange	44074		0	Female	74		
28-Aug-06	Yolanda	N	Applied	Orange	44414		0	Female	67		gaff mrks
28-Aug-06	Yolanda	N	Applied	Orange	44416		0	Male	78		
28-Aug-06	Yolanda	N	Applied	Orange	44417		0	Female	79		
28-Aug-06	Yolanda	N	Applied	Orange	44420		0	Female	73		
28-Aug-06	Yolanda	N	Applied	Orange	44421		0	Female	75		tail

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
28-Aug-06	Yolanda	N	Applied	Orange	44422		0	Female	74		
28-Aug-06	Yolanda	N	Applied	Orange	44424		0	Female	76		scales
28-Aug-06	Yolanda	N	Applied	Orange	44425		0	Female	75		
28-Aug-06	Yolanda	N	Applied	Orange	44426		0	Female	68		
28-Aug-06	Yolanda	N	Applied	Orange	44427		0	Female	56		
28-Aug-06	Yolanda	N	Applied	Orange	44428		0	Female	67		
28-Aug-06	Yolanda	N	Applied	Orange	44429		0	Female	68		
28-Aug-06	Yolanda	N	Applied	Orange	44430		0	Female	77		
28-Aug-06	Yolanda	N	Applied	Orange	44431		0	Female	76		
28-Aug-06	Yolanda	N	Applied	Orange	44432		0	Female	69		
28-Aug-06	Virginia	N	Applied	Orange	44433		0	Male	57		all fins
28-Aug-06	Virginia	N	Applied	Orange	44434		0	Male	81.5		
28-Aug-06	Virginia	N	Applied	Orange	44435		0	Female	68		scales
28-Aug-06	Virginia	N	Applied	Orange	44436		0	Male	70.5		all fins
28-Aug-06	Virginia	N	Applied	Orange	44437		0	Male	60.5		
28-Aug-06	Virginia	N	Applied	Orange	44438		0	Male	61.5		scales
28-Aug-06	Virginia	N	Applied	Orange	44439		0	Male	86		
28-Aug-06	Virginia	N	Applied	Orange	44442		0	Female	87		net mrks
28-Aug-06	Virginia	N	Applied	Orange	44446		0	Male	80		net mrks
28-Aug-06	Virginia	N	Applied	Orange	44447		0	Male	82		
28-Aug-06	Virginia	N	Applied	Orange	44448		0	Female	77		
28-Aug-06	Virginia	N	Applied	Orange	44449		0	Male	67		tail
28-Aug-06	Virginia	N	Applied	Orange	44450		0	Male	75		
28-Aug-06	Virginia	N	Applied	Orange	44454		0	Male	79		dorsal
28-Aug-06	Virginia	N	Applied	Orange	44455		0	Male	67		net mrks
28-Aug-06	Virginia	N	Applied	Orange	44456		0	Male	54.5		
28-Aug-06	Virginia	N	Applied	Orange	44457		0	Male	74		scales,, all fins
28-Aug-06	Virginia	N	Applied	Orange	44458		0	Female	66		net mrks
28-Aug-06	Virginia	N	Applied	Orange	44459		0	Female	69		scales,, all fins
28-Aug-06	Virginia	N	Applied	Orange	44460		0	Female	56		net,,,dorsal
28-Aug-06	Virginia	N	Applied	Orange	44461		0	Female	81		scales,, scar left
28-Aug-06	Virginia	N	Applied	Orange	44464		0	Female	76		scales
28-Aug-06	Virginia	N	Applied	Orange	44465		0	Male	66		all fins
28-Aug-06	Virginia	N	Applied	Orange	44466		0	Female	50		scales
28-Aug-06	Virginia	N	Applied	Orange	44468		0	Male	83		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
28-Aug-06	Virginia	N	Applied	Orange	44469		0	Female	74		scales
28-Aug-06	Virginia	N	Applied	Orange	44470		0	Male	80		scales,, boil on belly
28-Aug-06	Virginia	N	Applied	Orange	44471		0	Male	81		scales
28-Aug-06	Virginia	N	Applied	Orange	44472		0	Male	72		net mrks
28-Aug-06	Virginia	N	Applied	Orange	44477		0	Female	71.5		scales
28-Aug-06	Virginia	N	Applied	Orange	44479		0	Male	68		net mrks
28-Aug-06	Virginia	N	Applied	Orange	44480		0	Female	65		
28-Aug-06	Virginia	N	Applied	Orange	44481		0	Female	83		
28-Aug-06	Virginia	N	Applied	Orange	44482		0	Female	76		scales,, net mrks
28-Aug-06	Virginia	N	Applied	Orange	44483		0	Male	76		
28-Aug-06	Virginia	N	Applied	Orange	44484		0	Female	82		
28-Aug-06	Virginia	N	Applied	Orange	44485		0	Male	62		
28-Aug-06	Virginia	N	Applied	Orange	44486		0	Female	57		net mrks,,, scales
28-Aug-06	Virginia	N	Applied	Orange	44487		0	Female	59.5		scales
28-Aug-06	Virginia	N	Applied	Orange	44488		0	Female	71		scales,, net mrks
28-Aug-06	Virginia	N	Applied	Orange	44489		0	Female	81.5		
28-Aug-06	Virginia	N	Applied	Orange	44490		0	Female	81		scales
28-Aug-06	Virginia	N	Applied	Orange	44491		0	Male	78		
28-Aug-06	Virginia	N	Applied	Orange	44492		0	Female	68.5		scales,, rt plate,,
28-Aug-06	Virginia	N	Applied	Orange	44493		0	Male	81		scar rt
28-Aug-06	Virginia	N	Applied	Orange	44494		0	Female	73		net mrks,,, scales,,,scar jaw
28-Aug-06	Virginia	N	Applied	Orange	44495		0	Male	73		scales,, all fins
28-Aug-06	Virginia	N	Applied	Orange	44496		0	Female	73		scales,, all fins
28-Aug-06	Virginia	N	Applied	Orange	44497		0	Female	74.5		nwet mrks,,,scar rt
28-Aug-06	Virginia	N	Applied	Orange	44498		0	Male	71		dorsal,,
28-Aug-06	Virginia	N	Applied	Orange	44499		0	Female	77		scales,, snout
28-Aug-06	Yolanda	N	lost	Orange	44423		0	Female	76	Bottom	
28-Aug-06	Virginia	N	Recaptured			Grey	33520	Female	82.5	n	
28-Aug-06	Yolanda	N	Recaptured			White	14986	Female	79	Bottom	
29-Aug-06	Yolanda	N	Applied	Orange	44500		0	Female	81		
29-Aug-06	Yolanda	N	Applied	Orange	45002		0	Female	86		
29-Aug-06	Yolanda	N	Applied	Orange	45003		0	Female	92		
29-Aug-06	Yolanda	N	Applied	Orange	45004		0	Female	81		
29-Aug-06	Yolanda	N	Applied	Orange	45051		0	Female	82		gaff mrk left
29-Aug-06	Yolanda	N	Applied	Orange	45052		0	Female	70		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
29-Aug-06	Yolanda	N	Applied	Orange	45053		0	Female	82		
29-Aug-06	Yolanda	N	Applied	Orange	45054		0	Female	70		
29-Aug-06	Yolanda	N	Applied	Orange	45056		0	Female	70		
29-Aug-06	Yolanda	N	Applied	Orange	45057		0	Female	77		
29-Aug-06	Yolanda	N	Applied	Orange	45058		0	Female	53		net mrks head
29-Aug-06	Yolanda	N	Applied	Orange	45059		0	Female	71		
29-Aug-06	Yolanda	N	Applied	Orange	45060		0	Female	73		
29-Aug-06	Yolanda	N	Applied	Orange	45061		0	Female	60		
29-Aug-06	Yolanda	N	Applied	Orange	45062		0	Female	74		
29-Aug-06	Yolanda	N	Applied	Orange	45063		0	Female	67		
29-Aug-06	Yolanda	N	Applied	Orange	45064		0	Female	69		
29-Aug-06	Yolanda	N	Applied	Orange	45065		0	Female	69		
29-Aug-06	Yolanda	N	Applied	Orange	45066		0	Female	52		
29-Aug-06	Yolanda	N	Applied	Orange	45067		0	Female	86		
29-Aug-06	Yolanda	N	Applied	Orange	45068		0	Female	76		
29-Aug-06	Yolanda	N	Applied	Orange	45069		0	Female	84		
29-Aug-06	Yolanda	N	Applied	Orange	45070		0	Female	89		
29-Aug-06	Yolanda	N	Applied	Orange	45071		0	Female	71		
29-Aug-06	Yolanda	N	Applied	Orange	45072		0	Male	86		
29-Aug-06	Yolanda	N	Applied	Orange	45073		0	Female	73		
29-Aug-06	Yolanda	N	Applied	Orange	45074		0	Male	73		
29-Aug-06	Yolanda	N	Applied	Orange	45075		0	Female	66		
29-Aug-06	Virginia	N	Applied	Orange	45076		0	Male	59		
29-Aug-06	Virginia	N	Applied	Orange	45077		0	Male	73		
29-Aug-06	Virginia	N	Applied	Orange	45078		0	Male	81		
29-Aug-06	Virginia	N	Applied	Orange	45079		0	Female	68		scar left,,, net mrks
29-Aug-06	Virginia	N	Applied	Orange	45080		0	Female	73		all fins,,, scales
29-Aug-06	Virginia	N	Applied	Orange	45081		0	Female	67		scales,, net mrks
29-Aug-06	Virginia	N	Applied	Orange	45082		0	Male	89		
29-Aug-06	Virginia	N	Applied	Orange	45083		0	Male	65.5		
29-Aug-06	Virginia	N	Applied	Orange	45084		0	Female	71		scales
29-Aug-06	Virginia	N	Applied	Orange	45085		0	Male	89		
29-Aug-06	Virginia	N	Applied	Orange	45086		0	Male	73		
29-Aug-06	Virginia	N	Applied	Orange	45087		0	Male	68		scales,, scar rt
29-Aug-06	Virginia	N	Applied	Orange	45088		0	Male	53		net

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
29-Aug-06	Virginia	N	Applied	Orange	45089		0	Female	65.5		
29-Aug-06	Virginia	N	Applied	Orange	45090		0	Male	73.5		
29-Aug-06	Virginia	N	Applied	Orange	45091		0	Female	76		scales
29-Aug-06	Virginia	N	Applied	Orange	45092		0	Female	68		
29-Aug-06	Virginia	N	Applied	Orange	45093		0	Male	71		
29-Aug-06	Virginia	N	Applied	Orange	45094		0	Male	73		left plate,,, scales
29-Aug-06	Virginia	N	Applied	Orange	45095		0	Male	74		
29-Aug-06	Virginia	N	Applied	Orange	45096		0	Female	69		net mrks,,, claw mrks both sides
29-Aug-06	Virginia	N	Applied	Orange	45097		0	Male	70		
29-Aug-06	Yolanda	N	Recaptured			Grey	33266	Female	75	Top	
29-Aug-06	Virginia	N	Recaptured			White	14926	Male	69	n	all fins
29-Aug-06	Yolanda	N	Recaptured			White	15047	Male	71		
30-Aug-06	Yolanda	N	Applied	Orange	45098		0	Female	58		
30-Aug-06	Yolanda	N	Applied	Orange	45099		0	Female	55		
30-Aug-06	Yolanda	N	Applied	Orange	45100		0	Female	69		net mrks,,, head
30-Aug-06	Yolanda	N	Applied	Orange	45101		0	Female	71		
30-Aug-06	Yolanda	N	Applied	Orange	45102		0	Female	81		tail
30-Aug-06	Yolanda	N	Applied	Orange	45103		0	Male	95		tail
30-Aug-06	Yolanda	N	Applied	Orange	45104		0	Female	71		
30-Aug-06	Yolanda	N	Applied	Orange	45105		0	Male	70		
30-Aug-06	Yolanda	N	Applied	Orange	45106		0	Male	71		
30-Aug-06	Yolanda	N	Applied	Orange	45107		0	Female	86		
30-Aug-06	Yolanda	N	Applied	Orange	45108		0	Male	84		
30-Aug-06	Yolanda	N	Applied	Orange	45109		0	Male	60		
30-Aug-06	Yolanda	N	Applied	Orange	45110		0	Male	85		tail
30-Aug-06	Yolanda	N	Applied	Orange	45111		0	Female	77		
30-Aug-06	Yolanda	N	Applied	Orange	45112		0	Female	69		
30-Aug-06	Yolanda	N	Applied	Orange	45113		0	Female	65		
30-Aug-06	Yolanda	N	Applied	Orange	45114		0	Male	84		
30-Aug-06	Yolanda	N	Applied	Orange	45115		0	Female	66		scalesw
30-Aug-06	Yolanda	N	Applied	Orange	45116		0	Male	71		
30-Aug-06	Yolanda	N	Applied	Orange	45117		0	Female	84		
30-Aug-06	Yolanda	N	Applied	Orange	45118		0	Female	88		
30-Aug-06	Yolanda	N	Applied	Orange	45119		0	Male	70		
30-Aug-06	Yolanda	N	Applied	Orange	45120		0	Female	57		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
30-Aug-06	Yolanda	N	Applied	Orange	45121		0	Female	72		
30-Aug-06	Yolanda	N	Applied	Orange	45122		0	Male	68		
30-Aug-06	Yolanda	N	Applied	Orange	45123		0	Female	64		
30-Aug-06	Yolanda	N	Applied	Orange	45124		0	Male	93		tail,,,,, bottom fin
30-Aug-06	Yolanda	N	Applied	Orange	45125		0	Female	82		scales
30-Aug-06	Yolanda	N	Applied	Orange	45126		0	Female	66		scales
30-Aug-06	Yolanda	N	Applied	Orange	45127		0	Female	70		
30-Aug-06	Yolanda	N	Applied	Orange	45128		0	Female	69		tail
30-Aug-06	Yolanda	N	Applied	Orange	45129		0	Male	57		net mrks
30-Aug-06	Yolanda	N	Applied	Orange	45130		0	Male	77		
30-Aug-06	Yolanda	N	Applied	Orange	45131		0	Female	71		
30-Aug-06	Yolanda	N	Applied	Orange	45132		0	Female	70		
30-Aug-06	Yolanda	N	Applied	Orange	45133		0	Female	67		net mrks
30-Aug-06	Yolanda	N	Applied	Orange	45134		0	Female	70		
30-Aug-06	Virginia	N	Applied	Orange	45136		0	Male	74		claw mrks both
30-Aug-06	Virginia	N	Applied	Orange	45137		0	Female	68		scales
30-Aug-06	Virginia	N	Applied	Orange	45138		0	Male	67		scales,, net
30-Aug-06	Virginia	N	Applied	Orange	45139		0	Female	73		scales,, net
30-Aug-06	Virginia	N	Applied	Orange	45140		0	Female	69		scar rt,, scales
30-Aug-06	Virginia	N	Applied	Orange	45141		0	Male	67		scales, dorsal
30-Aug-06	Virginia	N	Applied	Orange	45142		0	Male	93.5		
30-Aug-06	Virginia	N	Applied	Orange	45143		0	Female	61		scales,, net mrks
30-Aug-06	Virginia	N	Applied	Orange	45144		0	Female	83		scales
30-Aug-06	Virginia	N	Applied	Orange	45145		0	Male	58		
30-Aug-06	Virginia	N	Applied	Orange	45146		0	Male	56.5		
30-Aug-06	Virginia	N	Applied	Orange	45147		0	Female	67		
30-Aug-06	Virginia	N	Applied	Orange	45149		0	Male	68.5		
30-Aug-06	Virginia	N	Applied	Orange	45150		0	Female	68		net mrks
30-Aug-06	Virginia	N	Applied	Orange	45503		0	Male	54		scar rt
30-Aug-06	Virginia	N	Applied	Orange	45504		0	Male	85		
30-Aug-06	Virginia	N	Applied	Orange	45505		0	Male	70		scales
30-Aug-06	Virginia	N	Applied	Orange	45507		0	Male	87		rt plate,,, scar left
30-Aug-06	Virginia	N	Applied	Orange	45509		0	Female	85		
30-Aug-06	Virginia	N	Applied	Orange	45510		0	Female	77		scales
30-Aug-06	Virginia	N	Applied	Orange	45511		0	Male	74.5		scales

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
30-Aug-06	Virginia	N	Applied	Orange	45514		0	Male	82		
30-Aug-06	Yolanda	Y	None				0	Male	77		food fish
30-Aug-06	Yolanda	Y	None				0	Male	69		food fish
30-Aug-06	Yolanda	Y	None				0	Male	69		gilled
30-Aug-06	Virginia	N	Recaptured			Orange	44023	Female	66	Top	net,,all fins
30-Aug-06	Virginia	N	Recaptured			Orange	44653	Male	87	Top	scar left
31-Aug-06	Virginia	N	Applied	Orange	45152		0	Female	67.5		
31-Aug-06	Virginia	N	Applied	Orange	45153		0	Male	67.5		scales
31-Aug-06	Virginia	N	Applied	Orange	45154		0	Male	87.5		gash left,, scar belly
31-Aug-06	Virginia	N	Applied	Orange	45155		0	Male	82		teeth mrk left,, bump on belly
31-Aug-06	Virginia	N	Applied	Orange	45156		0	Male	67		scales,, all fins
31-Aug-06	Virginia	N	Applied	Orange	45157		0	Male	75		
31-Aug-06	Virginia	N	Applied	Orange	45158		0	Male	71		scales
31-Aug-06	Virginia	N	Applied	Orange	45159		0	Male	67.5		
31-Aug-06	Virginia	N	Applied	Orange	45160		0	Male	71.5		scales
31-Aug-06	Virginia	N	Applied	Orange	45161		0	Female	58		net mrks,, scales
31-Aug-06	Virginia	N	Applied	Orange	45162		0	Female	63.5		scales
31-Aug-06	Virginia	N	Applied	Orange	45163		0	Male	53		
31-Aug-06	Virginia	N	Applied	Orange	45164		0	Male	67.5		net,,scales
31-Aug-06	Virginia	N	Applied	Orange	45165		0	Female	72		fins
31-Aug-06	Virginia	N	Applied	Orange	45167		0	Male	61		scales,, scar both
31-Aug-06	Virginia	N	Applied	Orange	45168		0	Male	58		net mrks,, all fins
31-Aug-06	Virginia	N	Applied	Orange	45169		0	Male	55.5		
31-Aug-06	Virginia	N	Applied	Orange	45171		0	Female	82		dorsal,, tail
31-Aug-06	Yolanda	N	Applied	Orange	45516		0	Male	74		
31-Aug-06	Yolanda	N	Applied	Orange	45517		0	Male	77		scales
31-Aug-06	Yolanda	N	Applied	Orange	45518		0	Male	80		
31-Aug-06	Yolanda	N	Applied	Orange	45519		0	Female	69		
31-Aug-06	Yolanda	N	Applied	Orange	45521		0	Male	75		
31-Aug-06	Yolanda	N	Applied	Orange	45522		0	Female	63		
31-Aug-06	Yolanda	N	Applied	Orange	45523		0	Male	80		
31-Aug-06	Yolanda	N	Applied	Orange	45524		0	Female	74		
31-Aug-06	Yolanda	N	Applied	Orange	45525		0	Female	77		
31-Aug-06	Yolanda	N	Applied	Orange	45526		0	Male	77		
31-Aug-06	Yolanda	N	Applied	Orange	45527		0	Female	67		tail

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
31-Aug-06	Yolanda	N	Applied	Orange	45528		0	Female	76		scar rt side
31-Aug-06	Yolanda	N	Applied	Orange	45529		0	Female	69		head
31-Aug-06	Yolanda	N	Applied	Orange	45530		0	Female	54		
31-Aug-06	Yolanda	N	Applied	Orange	45531		0	Female	51		
31-Aug-06	Yolanda	N	Applied	Orange	45532		0	Female	75		
31-Aug-06	Yolanda	N	Applied	Orange	45533		0	Female	65		
31-Aug-06	Yolanda	N	Applied	Orange	45534		0	Female	73		
31-Aug-06	Yolanda	N	Applied	Orange	45535		0	Male	74		
31-Aug-06	Yolanda	N	Applied	Orange	45536		0	Female	75		
31-Aug-06	Yolanda	N	Applied	Orange	45537		0	Male	55		
31-Aug-06	Yolanda	N	Applied	Orange	45538		0	Male	67		net mrks head
31-Aug-06	Yolanda	N	Applied	Orange	45539		0	Female	58		
31-Aug-06	Yolanda	N	Applied	Orange	45540		0	Female	60		
31-Aug-06	Yolanda	N	Applied	Orange	45541		0	Female	78		gaff mrks
31-Aug-06	Yolanda	N	Applied	Orange	45543		0	Male	59		net mrks head
31-Aug-06	Yolanda	N	Applied	Orange	45544		0	Male	74		
31-Aug-06	Yolanda	N	Applied	Orange	45545		0	Male	66		
31-Aug-06	Yolanda	N	Applied	Orange	45546		0	Female	66		
31-Aug-06	Yolanda	N	Applied	Orange	45547		0	Male	74		
31-Aug-06	Yolanda	N	Applied	Orange	45548		0	Female	72		
31-Aug-06	Yolanda	N	Applied	Orange	45549		0	Female	70		
31-Aug-06	Yolanda	N	Applied	Orange	45550		0	Male	80		
31-Aug-06	Yolanda	N	Applied	Orange	45551		0	Female	73		
31-Aug-06	Yolanda	N	Recaptured				44890	Male	70	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45172		0	Male	76	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45173		0	Female	68	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45175		0	Male	68	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45176		0	Female	67	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45177		0	Male	77	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45178		0	Female	66	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45179		0	Male	77	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45180		0	Female	62	Bottom	scar on belly
01-Sep-06	Yolanda	N	Applied	Orange	45181		0	Male	84	Bottom	r-side scar
01-Sep-06	Yolanda	N	Applied	Orange	45182		0	Male	72	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45183		0	Female	74	Bottom	torn tail

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
01-Sep-06	Yolanda	N	Applied	Orange	45184		0	Male	81	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45185		0	Female	77	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45186		0	Male	67	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45187		0	Female	65	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45188		0	Female	91	Bottom	torn tail
01-Sep-06	Yolanda	N	Applied	Orange	45189		0	Female	71	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45191		0	Male	67	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45192		0	Female	67	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45193		0	Male	67	Bottom	torn tail
01-Sep-06	Yolanda	N	Applied	Orange	45194		0	Male	73	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45195		0	Female	65	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45196		0	Male	77	Bottom	
01-Sep-06	Yolanda	N	Applied	Orange	45197		0	Female	68	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45198		0	Male	91	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45199		0	Male	81	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45200		0	Female	71	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45203		0	Male	73	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45204		0	Male	65	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45205		0	Male	71	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45206		0	Female	78	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45207		0	Male	56	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45208		0	Male	65	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45209		0	Female	72	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45210		0	Male	77	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45212		0	Male	76	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45213		0	Male	87	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45214		0	Male	77	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45216		0	Male	75	Top	
01-Sep-06	Yolanda	N	Applied	Orange	45217		0	Male	86	Top	claw marks on r-side
01-Sep-06	Virginia	N	Applied	Orange	45218		0	Male	60		scale loss
01-Sep-06	Virginia	N	Applied	Orange	45219		0	Male	57		Mouth torn, scale loss
01-Sep-06	Virginia	N	Applied	Orange	45220		0	Female	67.5		
01-Sep-06	Virginia	N	Applied	Orange	45221		0	Female	56		net marks, fins torn, scale loss
01-Sep-06	Virginia	N	Applied	Orange	45222		0	Female	75.5		
01-Sep-06	Virginia	N	Applied	Orange	45223		0	Male	82		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
01-Sep-06	Virginia	N	Applied	Orange	45224		0	Female	69		scale loss
01-Sep-06	Virginia	N	Applied	Orange	45225		0	Male	53		
01-Sep-06	Virginia	N	Applied	Orange	45226		0	Male	88		lower jaw
01-Sep-06	Virginia	N	Applied	Orange	45226		0	Male	88		bottom of mouth damaged
01-Sep-06	Virginia	N	Applied	Orange	45227		0	Male	69		deformed nose
01-Sep-06	Virginia	N	Applied	Orange	45231		0	Female	76		scared belly and right side
01-Sep-06	Virginia	N	Applied	Orange	45232		0	Female	80		scale loss
01-Sep-06	Virginia	N	Applied	Orange	45233		0	Female	72		scale loss
01-Sep-06	Virginia	N	Applied	Orange	45528		0	Female	60.5		scale loss, net marks
01-Sep-06	Virginia	N	Applied	Orange	45529		0	Female	70.5		fins torn
01-Sep-06	Yolanda	N	Recaptured			Orange	45171	Male	63	Bottom	
01-Sep-06	Yolanda	N	Recaptured			White	15609	Male	64	n	
05-Sep-06	Virginia	N	Applied	Orange	45553		0	Male	71		
05-Sep-06	Virginia	N	Applied	Orange	45554		0	Male	68		all fins
05-Sep-06	Virginia	N	Applied	Orange	45555		0	Male	75.5		scales,,, all fins
05-Sep-06	Virginia	N	Applied	Orange	45556		0	Male	70		claw mrks
05-Sep-06	Virginia	N	Applied	Orange	45557		0	Male	68		
05-Sep-06	Virginia	N	Applied	Orange	45558		0	Male	66.5		
05-Sep-06	Virginia	N	Applied	Orange	45559		0	Male	56.5		net mrks
05-Sep-06	Virginia	N	Applied	Orange	45560		0	Male	87		belly
05-Sep-06	Virginia	N	Applied	Orange	45561		0	Male	64		all fins
05-Sep-06	Virginia	N	Applied	Orange	45564		0	Female	75.5		
05-Sep-06	Virginia	N	Applied	Orange	45565		0	Male	58.5		scales,, net mrks
05-Sep-06	Virginia	N	Applied	Orange	45566		0	Male	70.5		tail
05-Sep-06	Virginia	N	Applied	Orange	45567		0	Male	74		mouth
05-Sep-06	Virginia	N	Applied	Orange	45568		0	Female	70.5		scales
05-Sep-06	Virginia	N	Applied	Orange	45569		0	Male	82		
05-Sep-06	Virginia	N	Applied	Orange	45570		0	Female	81		
05-Sep-06	Virginia	N	Applied	Orange	45571		0	Male	56		net mrks,,, scales
05-Sep-06	Yolanda	N	Applied	Orange	45572		0	Male	86		tail,,,,,, scales
05-Sep-06	Yolanda	N	Applied	Orange	45573		0	Male	54		
05-Sep-06	Yolanda	N	Applied	Orange	45574		0	Male	82		
05-Sep-06	Yolanda	N	Applied	Orange	45575		0	Male	72		
05-Sep-06	Yolanda	N	Applied	Orange	45577		0	Male	80		
05-Sep-06	Yolanda	N	Applied	Orange	45578		0	Female	81		tail

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Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
05-Sep-06	Yolanda	N	Applied	Orange	45579		0	Male	58		
05-Sep-06	Yolanda	N	Applied	Orange	45580		0	Male	81		
05-Sep-06	Yolanda	N	Applied	Orange	45581		0	Female	76		tail
05-Sep-06	Yolanda	N	Applied	Orange	45582		0	Female	87		
05-Sep-06	Yolanda	N	Applied	Orange	45583		0	Female	60		
05-Sep-06	Yolanda	N	Applied	Orange	45584		0	Male	80		
05-Sep-06	Yolanda	N	Applied	Orange	45587		0	Female	69		
05-Sep-06	Yolanda	N	Applied	Orange	45588		0	Male	70		
05-Sep-06	Yolanda	N	Applied	Orange	45589		0	Female	71		
05-Sep-06	Yolanda	N	Applied	Orange	45590		0	Female	69		
05-Sep-06	Yolanda	N	Applied	Orange	45591		0	Male	75		
05-Sep-06	Yolanda	N	Applied	Orange	45592		0	Female	68		skin peeling
05-Sep-06	Yolanda	N	Applied	Orange	45593		0	Male	65		
05-Sep-06	Yolanda	N	Applied	Orange	45594		0	Male	67		
05-Sep-06	Yolanda	N	Applied	Orange	45595		0	Female	73		good fiss
05-Sep-06	Yolanda	N	Applied	Orange	45596		0	Male	83		
05-Sep-06	Yolanda	N	Applied	Orange	45597		0	Female	70		
05-Sep-06	Yolanda	N	Applied	Orange	45598		0	Female	71		
05-Sep-06	Yolanda	N	Applied	Orange	45599		0	Male	70		
05-Sep-06	Yolanda	Y	None				0	Female	68		
05-Sep-06	Yolanda	Y	None				0	Female	70		
05-Sep-06	Yolanda	Y	None				0	Female	57		
05-Sep-06	Yolanda	N	Recaptured			Orange	44304	Male	76	Bottom	
05-Sep-06	Virginia	N	Recaptured			Orange	44837	Male	55	Top	44837?
06-Sep-06	Virginia	N	Applied	Orange	45600		0	Male	52		
06-Sep-06	Virginia	N	Applied	Orange	45601		0	Female	68		scales
06-Sep-06	Virginia	N	Applied	Orange	45602		0	Female	77		rt plate,,,,
06-Sep-06	Virginia	N	Applied	Orange	45603		0	Female	89		
06-Sep-06	Virginia	N	Applied	Orange	45604		0	Male	73.5		doubley taggs? See raw data 2
06-Sep-06	Virginia	N	Applied	Orange	45605		0	Female	80		left scar
06-Sep-06	Virginia	N	Applied	Orange	45606		0	Male	55		calw marks on belly
06-Sep-06	Virginia	N	Applied	Orange	45607		0	Male	59		scale loss
06-Sep-06	Virginia	N	Applied	Orange	45608		0	Female	67		scale loss - net marks
06-Sep-06	Virginia	N	Applied	Orange	45610		0	Male	92		net marks
06-Sep-06	Virginia	N	Applied	Orange	45611		0	Male	75		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
06-Sep-06	Virginia	N	Applied	Orange	45612		0	Female	69		net marks
06-Sep-06	Yolanda	N	Applied	Orange	45613		0	Male	57		
06-Sep-06	Yolanda	N	Applied	Orange	45614		0	Male	86		
06-Sep-06	Yolanda	N	Applied	Orange	45615		0	Male	74		
06-Sep-06	Yolanda	N	Applied	Orange	45616		0	Male	71		
06-Sep-06	Yolanda	N	Applied	Orange	45618		0	Male	92		
06-Sep-06	Yolanda	N	Applied	Orange	45619		0	Female	64		
06-Sep-06	Yolanda	N	Applied	Orange	45620		0	Female	60		
06-Sep-06	Yolanda	N	Applied	Orange	45621		0	Male	67		bear mrks
06-Sep-06	Yolanda	N	Applied	Orange	45622		0	Male	72		
06-Sep-06	Yolanda	N	Applied	Orange	45623		0	Female	72		
06-Sep-06	Yolanda	N	Applied	Orange	45624		0	Female	78		
06-Sep-06	Yolanda	N	Applied	Orange	45625		0	Male	68		
06-Sep-06	Yolanda	N	Applied	Orange	45626		0	Male	86		
06-Sep-06	Yolanda	N	Applied	Orange	45627		0	Female	71		bear mrks
06-Sep-06	Yolanda	N	Applied	Orange	45628		0	Male	74		
06-Sep-06	Yolanda	N	Applied	Orange	45629		0	Male	75		
06-Sep-06	Yolanda	N	Applied	Orange	45630		0	Male	75		
06-Sep-06	Yolanda	N	Applied	Orange	45631		0	Male	72		
06-Sep-06	Yolanda	N	Applied	Orange	45632		0	Male	75		
06-Sep-06	Yolanda	N	Applied	Orange	45633		0	Male	66		
06-Sep-06	Yolanda	N	Applied	Orange	45634		0	Male	77		
06-Sep-06	Yolanda	N	Applied	Orange	45635		0	Male	86		
06-Sep-06	Yolanda	N	Applied	Orange	45636		0	Male	72		tail
06-Sep-06	Yolanda	N	Applied	Orange	45637		0	Female	77		
06-Sep-06	Yolanda	N	Applied	Orange	45638		0	Female	78		
06-Sep-06	Yolanda	N	Applied	Orange	45639		0	Male	73		
06-Sep-06	Yolanda	N	Applied	Orange	45640		0	Male	75		
06-Sep-06	Yolanda	N	Applied	Orange	45641		0	Female	53		
06-Sep-06	Yolanda	N	Applied	Orange	45642		0	Female	70		
06-Sep-06	Yolanda	N	Applied	Orange	45643		0	Female	88		
06-Sep-06	Yolanda	N	Applied	Orange	45644		0	Female	68		
06-Sep-06	Yolanda	N	Applied	Orange	45645		0	Male	95		
06-Sep-06	Yolanda	N	Applied	Orange	45646		0	Female	76		
06-Sep-06	Virginia	N	None				0	Female	82.5		net

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
06-Sep-06	Yolanda	N	Recaptured			Orange	44199	Female	70		
06-Sep-06	Yolanda	N	Recaptured			Orange	44305	Male	70	Bottom	
06-Sep-06	Virginia	N	Recaptured			Orange	44730	Female	68.5		all fins,, head
06-Sep-06	Yolanda	N	Recaptured			Orange	44809	Male	95		tail
07-Sep-06	Yolanda	N	Applied	Orange	45660		0	Female	69		
07-Sep-06	Yolanda	N	Applied	Orange	45661		0	Male	68		
07-Sep-06	Yolanda	N	Applied	Orange	45662		0	Male	87		
07-Sep-06	Yolanda	N	Applied	Orange	45663		0	Female	63		
07-Sep-06	Yolanda	N	Applied	Orange	45664		0	Female	72		
07-Sep-06	Yolanda	N	Applied	Orange	45665		0	Female	72		
07-Sep-06	Yolanda	N	Applied	Orange	45666		0	Male	70		
07-Sep-06	Yolanda	N	Applied	Orange	45668		0	Female	58		
07-Sep-06	Yolanda	N	Applied	Orange	45669		0	Female	74		
07-Sep-06	Yolanda	N	Applied	Orange	45672		0	Male	76		
07-Sep-06	Yolanda	N	Applied	Orange	45676		0	Male	77		tail
07-Sep-06	Yolanda	N	Applied	Orange	45677		0	Male	74		
07-Sep-06	Yolanda	N	Applied	Orange	45678		0	Male	62		
07-Sep-06	Yolanda	N	Applied	Orange	45679		0	Female	71		
07-Sep-06	Yolanda	N	Applied	Orange	45680		0	Male	73		
07-Sep-06	Yolanda	N	Applied	Orange	45681		0	Male	78		tail
07-Sep-06	Yolanda	N	Applied	Orange	45682		0	Female	73		
07-Sep-06	Yolanda	N	Applied	Orange	45684		0	Female	73		sea lice
07-Sep-06	Yolanda	N	Applied	Orange	45685		0	Male	86		
07-Sep-06	Yolanda	N	Applied	Orange	45686		0	Female	72		
07-Sep-06	Yolanda	N	Applied	Orange	45687		0	Female	68		
07-Sep-06	Yolanda	N	Lost	Orange	45688		0	Female	80	top/bottom	old tag gone
07-Sep-06	Yolanda	N	Recaptured			Orange	44197	Male	67	Bottom	
07-Sep-06	Yolanda	N	Recaptured			Orange	44440	Male	77	Top	
08-Sep-06	Virginia	N	Applied	Blue	45647		0	Male	85		SCALE LOSS
08-Sep-06	Virginia	N	Applied	Orange	45647		0	Male	85		SCALES
08-Sep-06	Virginia	N	Applied	Orange	45648		0	Female	76.5		all fins
08-Sep-06	Virginia	N	Applied	Orange	45649		0	Female	67.5		claw mrks both
08-Sep-06	Virginia	N	Applied	Orange	45650		0	Female	68.5		
08-Sep-06	Virginia	N	Applied	Orange	45651		0	Female	75		snout,,, scar rt
08-Sep-06	Virginia	N	Applied	Orange	45652		0	Female	76.5		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
08-Sep-06	Virginia	N	Applied	Orange	45653		0	Male	69.5		scales,, claw mrks
08-Sep-06	Virginia	N	Applied	Orange	45654		0	Female	65		scales,, scar rt
08-Sep-06	Virginia	N	Applied	Orange	45655		0	Male	89		snout
08-Sep-06	Virginia	N	Applied	Orange	45656		0	Male	85		
08-Sep-06	Virginia	N	Applied	Orange	45657		0	Male	76		lost tag?
08-Sep-06	Virginia	N	Applied	Orange	45658		0	Female	81		scar left
08-Sep-06	Virginia	N	Applied	Orange	45659		0	Female	60		
08-Sep-06	Virginia	N	Applied	Orange	45689		0	Male	74.5		scales
08-Sep-06	Virginia	N	Applied	Orange	45690		0	Female	85		scar belly
08-Sep-06	Virginia	N	Applied	Orange	45691		0	Female	72		scales,, tail
08-Sep-06	Virginia	N	Applied	Orange	45692		0	Female	76		scales,,, mouth
08-Sep-06	Virginia	N	Applied	Orange	45693		0	Male	68.5		claw mrks left
08-Sep-06	Virginia	N	Applied	Orange	45694		0	Female	78		scales,, all fins
08-Sep-06	Virginia	N	Applied	Orange	45695		0	Female	69		
08-Sep-06	Virginia	N	Applied	Orange	45696		0	Male	86		net mrks
08-Sep-06	Virginia	N	Applied	Orange	45697		0	Female	69		
08-Sep-06	Yolanda	N	Applied	Orange	45698		0	Female	66		
08-Sep-06	Yolanda	N	Applied	Orange	45699		0	Male	73		tail
08-Sep-06	Yolanda	N	Applied	Orange	45700		0	Male	77		
08-Sep-06	Yolanda	N	Applied	Orange	45701		0	Male	74		tail
08-Sep-06	Yolanda	N	Applied	Orange	45702		0	Female	62		
08-Sep-06	Yolanda	N	Applied	Orange	45704		0	Female	73		tail
08-Sep-06	Yolanda	N	Applied	Orange	45705		0	Female	73		
08-Sep-06	Yolanda	N	Applied	Orange	45706		0	Female	77		
08-Sep-06	Yolanda	N	Applied	Orange	45707		0	Male	78		tail
08-Sep-06	Yolanda	N	Applied	Orange	45708		0	Female	80		
08-Sep-06	Yolanda	N	Applied	Orange	45709		0	Female	78		
08-Sep-06	Yolanda	N	Applied	Orange	45710		0	Male	70		
08-Sep-06	Yolanda	N	Applied	Orange	45711		0	Female	70		
08-Sep-06	Yolanda	N	Applied	Orange	45712		0	Male	71		
08-Sep-06	Yolanda	N	Applied	Orange	45714		0	Male	82		
08-Sep-06	Yolanda	N	Applied	Orange	45715		0	Female	89		
08-Sep-06	Yolanda	N	Applied	Orange	45716		0	Female	71		scales
08-Sep-06	Yolanda	N	Applied	Orange	45717		0	Male	69		scales
08-Sep-06	Yolanda	N	Applied	Orange	45718		0	Male	73		tail

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
08-Sep-06	Yolanda	N	Applied	Orange	45719		0	Male	78		
08-Sep-06	Yolanda	N	Applied	Orange	45720		0	Female	70		tail
08-Sep-06	Yolanda	N	Applied	Orange	45721		0	Male	81		
08-Sep-06	Yolanda	N	Applied	Orange	45722		0	Male	77		
08-Sep-06	Yolanda	N	Applied	Orange	45723		0	Male	56		
08-Sep-06	Yolanda	N	Applied	Orange	45725		0	Male	74		
08-Sep-06	Yolanda	N	Applied	Orange	45726		0	Female	71		
08-Sep-06	Yolanda	N	Applied	Orange	45727		0	Male	61		
08-Sep-06	Yolanda	N	Applied	Orange	45728		0	Female	75		
08-Sep-06	Yolanda	N	Applied	Orange	45729		0	Female	70		
08-Sep-06	Yolanda	N	Applied	Orange	45730		0	Male	77		net mrks bely
08-Sep-06	Yolanda	N	Applied	Orange	45731		0	Male	54		
08-Sep-06	Yolanda	N	Applied	Orange	45732		0	Male	72		
08-Sep-06	Yolanda	N	Applied	Orange	45733		0	Male	77		
08-Sep-06	Yolanda	N	Applied	Orange	45734		0	Male	93		
08-Sep-06	Yolanda	N	Applied	Orange	45735		0	Female	82		
08-Sep-06	Yolanda	N	Applied	Orange	45736		0	Male	76		
08-Sep-06	Yolanda	N	Applied	Orange	45737		0	Male	75		
08-Sep-06	Yolanda	N	Applied	Orange	45738		0	Male	81		
08-Sep-06	Yolanda	N	Applied	Orange	45739		0	Male	76		
08-Sep-06	Yolanda	N	Applied	Orange	45740		0	Male	82		
08-Sep-06	Yolanda	N	Applied	Orange	45741		0	Male	76		
08-Sep-06	Yolanda	N	Applied	Orange	45742		0	Male	84		ole scar belly /bear
08-Sep-06	Yolanda	N	Recaptured			Orange	44168	Female	69	Bottom	
08-Sep-06	Virginia	N	Recaptured			Orange	44684	Male	67	Top	net mrks
08-Sep-06	Yolanda	N	Recaptured			orange	45424	Male	96		2 tags 45425
08-Sep-06	Virginia	N	Recaptured			Orange	45486	Female	68.5	Bottom	net mrks
08-Sep-06	Yolanda	N	Recaptured			Orange	45729	Female	71	Top	
10-Sep-06	Yolanda	N	Applied	Orange	45759		0	Male	81		
10-Sep-06	Yolanda	N	Applied	Orange	45760		0	Female	67		
10-Sep-06	Yolanda	N	Applied	Orange	45761		0	Female	71		open wound on rt
10-Sep-06	Yolanda	N	Applied	Orange	45762		0	Male	81		
10-Sep-06	Yolanda	N	Applied	Orange	45763		0	Male	83		open wounds side
10-Sep-06	Yolanda	N	Applied	Orange	45764		0	Male	70		tail
10-Sep-06	Yolanda	N	Applied	Orange	45765		0	Male	67		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
10-Sep-06	Yolanda	N	Applied	Orange	45766		0	Female	73		
10-Sep-06	Yolanda	N	Applied	Orange	45767		0	Female	74		
10-Sep-06	Yolanda	N	Applied	Orange	45769		0	Female	74		nose
10-Sep-06	Yolanda	N	Applied	Orange	45770		0	Male	67		
10-Sep-06	Yolanda	N	Applied	Orange	45771		0	Male	73		tail
10-Sep-06	Yolanda	N	Applied	Orange	45772		0	Male	73		
10-Sep-06	Yolanda	N	Applied	Orange	45773		0	Female	65		
10-Sep-06	Yolanda	N	Applied	Orange	45774		0	Male	87		tail
10-Sep-06	Yolanda	N	Applied	Orange	45775		0	Female	67		
10-Sep-06	Yolanda	N	Applied	Orange	45776		0	Male	98		
10-Sep-06	Yolanda	N	Applied	Orange	45777		0	Female	70		open wounds on rt
10-Sep-06	Yolanda	N	Applied	Orange	45778		0	Male	74		tail
10-Sep-06	Yolanda	N	Applied	Orange	45779		0	Male	64		
10-Sep-06	Yolanda	N	Applied	Orange	45780		0	Female	68		open wound rt\
10-Sep-06	Yolanda	N	Applied	Orange	45781		0	Female	74		
10-Sep-06	Yolanda	N	Applied	Orange	45782		0	Male	78		
10-Sep-06	Yolanda	N	Applied	Orange	45783		0	Male	79		45783? Orange bm
10-Sep-06	Yolanda	N	Applied	Orange	45784		0	Male	82		45784?
10-Sep-06	Yolanda	N	Applied	Orange	45785		0	Male	75		45785?
10-Sep-06	Yolanda	N	Applied	Orange	45786		0	Female	76		45786?
10-Sep-06	Yolanda	N	Recaptured			Orange	45076	Female	60	Bottom	net mrks on head
10-Sep-06	Yolanda	N	Recaptured			Orange	45334	Female	64	Bottom	
11-Sep-06	Virginia	N	Applied	Orange	45743		0	Female	67		left plate,,, head
11-Sep-06	Virginia	N	Applied	Orange	45744		0	Male	91		
11-Sep-06	Virginia	N	Applied	Orange	45745		0	Female	83		
11-Sep-06	Virginia	N	Applied	Orange	45746		0	Male	74		
11-Sep-06	Virginia	N	Applied	Orange	45747		0	Male	75		head
11-Sep-06	Virginia	N	Applied	Orange	45748		0	Male	68		left plate,,,net mrks,,, scar left
11-Sep-06	Virginia	N	Applied	Orange	45749		0	Female	71		scales,,,,, scar rt
11-Sep-06	Virginia	N	Applied	Orange	45751		0	Male	67.5		ole scar left
11-Sep-06	Virginia	N	Applied	Orange	45752		0	Female	63		dorsal
11-Sep-06	Virginia	N	Applied	Orange	45753		0	Female	69.5		scales
11-Sep-06	Virginia	N	Applied	Orange	45754		0	Female	81		all fins
11-Sep-06	Virginia	N	Applied	Orange	45755		0	Male	82		
11-Sep-06	Virginia	N	Applied	Orange	45756		0	Female	55.5		dorsal,,, net mrks

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
11-Sep-06	Virginia	N	Applied	Orange	45757		0	Male	71		
11-Sep-06	Virginia	N	Applied	Orange	45758		0	Male	81.5		rt plate torn
12-Sep-06	Yolanda	N	Applied	Blue	8666		0	Male	63		blue tag?
12-Sep-06	Yolanda	N	Applied	Blue	8667		0	Male	63		
12-Sep-06	Yolanda	N	Applied	Blue	8668		0	Male	63		
12-Sep-06	Virginia	N	Applied	Orange	45787		0	Female	52		dorsal
12-Sep-06	Virginia	N	Applied	Orange	45788		0	Male	80		scar anal fin
12-Sep-06	Virginia	N	Applied	Orange	45789		0	Male	78		
12-Sep-06	Virginia	N	Applied	Orange	45790		0	Male	69		scar rt,,, scales
12-Sep-06	Virginia	N	Applied	Orange	45791		0	Female	68		snout,,, dorsal
12-Sep-06	Virginia	N	Applied	Orange	45793		0	Female	71		all fins
12-Sep-06	Virginia	N	Applied	Orange	45794		0	Female	73		
12-Sep-06	Virginia	N	Applied	Orange	45795		0	Female	55		net mrks,,, dorsal
12-Sep-06	Virginia	N	Applied	Orange	45796		0	Female	69		
12-Sep-06	Virginia	N	Applied	Orange	45797		0	Female	65		net mrks,,, tail
12-Sep-06	Yolanda	N	Applied	Orange	45798		0	Male	73		
12-Sep-06	Yolanda	N	Applied	Orange	45799		0	Male	84		
12-Sep-06	Yolanda	N	Applied	Orange	45800		0	Female	77		
12-Sep-06	Yolanda	N	Applied	Orange	45801		0	Female	70		
12-Sep-06	Yolanda	N	Applied	Orange	45802		0	Female	67		
12-Sep-06	Yolanda	N	Applied	Orange	45803		0	Female	76		head
12-Sep-06	Yolanda	N	Applied	Orange	45804		0	Male	74		
12-Sep-06	Yolanda	N	Applied	Orange	45805		0	Male	58		
12-Sep-06	Yolanda	N	Applied	Orange	45806		0	Male	62		
12-Sep-06	Yolanda	N	Applied	Orange	45807		0	Male	72		
12-Sep-06	Yolanda	N	Applied	Orange	45808		0	Male	92		
12-Sep-06	Virginia	N	None				0	Female	67		net mrks,,, dorsal
12-Sep-06	Yolanda	N	Recaptured			Lime Green	25624	Male	62	Bottom	
12-Sep-06	Virginia	N	Recaptured			Lime Green	27424	Male	67	Bottom	snoput,, net mrks
12-Sep-06	Virginia	N	Recaptured			Orange	44279	Female	71.5	Bottom	snout,,, dorsal
12-Sep-06	Virginia	N	Recaptured			Orange	45345	Male	54.5	Bottom	
12-Sep-06	Virginia	N	Recaptured			White	15311	Female	72.5		all fins,,, scar rt
13-Sep-06	Virginia	N	Applied	Orange	45809		0	Male	55		all fins,,, scales
13-Sep-06	Virginia	N	Applied	Orange	45810		0	Female	69		scales,,, tail
13-Sep-06	Virginia	N	Applied	Orange	45811		0	Female	71		net mrks,,, dorsal

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
13-Sep-06	Virginia	N	Applied	Orange	45812		0	Female	71.5		
13-Sep-06	Virginia	N	Applied	Orange	45813		0	Female	68		all fins,,, net mrks
13-Sep-06	Virginia	N	Applied	Orange	45814		0	Female	69		left plate,,,
13-Sep-06	Virginia	N	Applied	Orange	45815		0	Female	66		
13-Sep-06	Virginia	N	Applied	Orange	45816		0	Female	68		
13-Sep-06	Virginia	N	Applied	Orange	45818		0	Female	73.5		scales,, dorsal
13-Sep-06	Virginia	N	Applied	Orange	45819		0	Female	65		net mrks
13-Sep-06	Virginia	N	Applied	Orange	45820		0	Female	69		scars,,, left,, net mrks
13-Sep-06	Virginia	N	Applied	Orange	45821		0	Male	71		
13-Sep-06	Virginia	N	Applied	Orange	45822		0	Female	68		scales,, all fins
13-Sep-06	Yolanda	N	Applied	Orange	45823		0	Male	69		
13-Sep-06	Yolanda	N	Applied	Orange	45825		0	Male	86		
13-Sep-06	Yolanda	N	Applied	Orange	45826		0	Male	79		
13-Sep-06	Yolanda	N	Applied	Orange	45827		0	Female	71		
13-Sep-06	Yolanda	N	Applied	Orange	45828		0	Female	77		
13-Sep-06	Yolanda	N	Applied	Orange	45829		0	Male	64		
13-Sep-06	Yolanda	N	Applied	Orange	45830		0	Female	76		
13-Sep-06	Yolanda	N	Applied	Orange	45831		0	Female	65		
13-Sep-06	Yolanda	N	Applied	Orange	45832		0	Male	72		
13-Sep-06	Yolanda	N	Applied	Orange	45833		0	Male	74		tail
13-Sep-06	Yolanda	N	Applied	Orange	45834		0	Female	73		tail
13-Sep-06	Yolanda	N	Applied	Orange	45835		0	Male	76		
13-Sep-06	Yolanda	N	Applied	Orange	45836		0	Male	86		
13-Sep-06	Yolanda	N	Applied	Orange	45837		0	Male	54		
13-Sep-06	Yolanda	N	Applied	Orange	45838		0	Female	73		
13-Sep-06	Yolanda	N	Applied	Orange	45839		0	Male	109		
13-Sep-06	Yolanda	N	Applied	Orange	45840		0	Male	52		
13-Sep-06	Yolanda	N	Applied	Orange	45841		0	Female	84		tail
13-Sep-06	Yolanda	N	Applied	Orange	45842		0	Male	76		
13-Sep-06	Yolanda	N	Applied	Orange	45843		0	Female	65		
13-Sep-06	Yolanda	N	Applied	Orange	45844		0	Female	71		
13-Sep-06	Yolanda	N	Applied	Orange	45845		0	Male	73		
13-Sep-06	Virginia	N	lost	Orange	45817		0	Male	68	Bottom	
13-Sep-06	Yolanda	Y	None				0	Male	77		
13-Sep-06	Yolanda	Y	None				0	Male	71		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
13-Sep-06	Yolanda	N	Recaptured			Orange	44019	Male	71	Top	
13-Sep-06	Virginia	N	Recaptured			Orange	44833	Female	83	Top	head
13-Sep-06	Virginia	N	Recaptured			Orange	45475	Male	60	Bottom	net mrks
13-Sep-06	Virginia	N	Recaptured			White	15106	Female	87	n	all fins
14-Sep-06	Virginia	N	Applied	Orange	45846		0	Female	67		tail//dorsal
14-Sep-06	Virginia	N	Applied	Orange	45847		0	Female	60.5		net mrks
14-Sep-06	Virginia	N	Applied	Orange	45848		0	Male	83		boil near tail
14-Sep-06	Virginia	N	Applied	Orange	45850		0	Female	63		mouth
14-Sep-06	Virginia	N	Applied	Orange	45851		0	Female	59		scales,,, net #'s
14-Sep-06	Virginia	N	Applied	Orange	45853		0	Female	58		
14-Sep-06	Virginia	N	Applied	Orange	45854		0	Male	73		
14-Sep-06	Virginia	N	Applied	Orange	45855		0	Female	73		
14-Sep-06	Virginia	N	Applied	Orange	45856		0	Female	87.5		belly
14-Sep-06	Virginia	N	Applied	Orange	45857		0	Male	60.5		
14-Sep-06	Virginia	N	Applied	Orange	45858		0	Female	66		scales
14-Sep-06	Virginia	N	Applied	Orange	45859		0	Female	97		scales
14-Sep-06	Virginia	N	Applied	Orange	45860		0	Female	75		scales
14-Sep-06	Yolanda	N	Applied	Orange	45861		0	Male	82		tail
14-Sep-06	Yolanda	N	Applied	Orange	45862		0	Female	74		
14-Sep-06	Yolanda	N	Applied	Orange	45863		0	Male	71		tail
14-Sep-06	Yolanda	N	Applied	Orange	45864		0	Female	72		belly
14-Sep-06	Yolanda	N	Applied	Orange	45865		0	Male	75		
14-Sep-06	Yolanda	N	Applied	Orange	45866		0	Female	77		
14-Sep-06	Yolanda	N	Applied	Orange	45867		0	Female	73		tail
14-Sep-06	Yolanda	N	Applied	Orange	45869		0	Male	67		
14-Sep-06	Yolanda	N	Applied	Orange	45870		0	Male	80		
14-Sep-06	Yolanda	N	Applied	Orange	45871		0	Female	76		
14-Sep-06	Yolanda	N	Applied	Orange	45873		0	Female	75		
14-Sep-06	Yolanda	N	Applied	Orange	45874		0	Male	75		
14-Sep-06	Yolanda	N	Recaptured			Orange	44167	Female	68	top/bottom	
14-Sep-06	Virginia	N	Recaptured			Orange	44378	Male	76	Top	head,,, tail
14-Sep-06	Virginia	N	Recaptured			Orange	44974	Male	74	n	head,,, tail
14-Sep-06	Virginia	N	Recaptured			Orange	45319	Female	94.5	Bottom	
14-Sep-06	Yolanda	N	Recaptured			Orange	45584	Female	77		
14-Sep-06	Virginia	N	Recaptured	Orange	45849	Orange	45380	Male	84.5	Bottom	

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
15-Sep-06	Virginia	N	Applied	Orange	45875		0	Male	74		
15-Sep-06	Virginia	N	Applied	Orange	45876		0	Female	54.5		scar belly, net mrks
15-Sep-06	Virginia	N	Applied	Orange	45877		0	Male	76		
15-Sep-06	Yolanda	N	Applied	Orange	45878		0	Male	72		
15-Sep-06	Yolanda	N	Applied	Orange	45879		0	Male	74		
15-Sep-06	Yolanda	N	Applied	Orange	45880		0	Male	72		eel mrk tail
15-Sep-06	Yolanda	N	Applied	Orange	45881		0	Male	81		
15-Sep-06	Virginia	N	Recaptured				44093	Male	73	Bottom	snout,, left plate, MOE tag
15-Sep-06	Virginia	N	Recaptured			White	15765	Female	81.5	n	
18-Sep-06	Yolanda	N	Applied	Orange	45882		0	Male	78		
18-Sep-06	Yolanda	N	Applied	Orange	45883		0	Male	74		
18-Sep-06	Yolanda	N	Applied	Orange	45884		0	Male	69		
18-Sep-06	Yolanda	N	Applied	Orange	45886		0	Male	71		4588?
18-Sep-06	Yolanda	N	Applied	Orange	45888		0	Male	66		
18-Sep-06	Virginia	N	Applied	Orange	45889		0	Female	70		snout
18-Sep-06	Virginia	N	Applied	Orange	45890		0	Female	81	Top	left plate,,,,,,,,,
18-Sep-06	Virginia	N	Applied	Orange	45891		0	Female	71.5		snout,, scales
18-Sep-06	Virginia	N	Applied	Orange	45892		0	Female	72		scales
18-Sep-06	Virginia	N	Applied	Orange	45893		0	Male	74		scales,,, dorsal/tail
18-Sep-06	Virginia	N	Applied	Orange	45894		0	Female	83		all fins,,, scales
18-Sep-06	Yolanda	N	Recaptured			Orange	45886	Male	71	Top	
19-Sep-06	Yolanda	N	Applied	Orange	45895		0	Male	71		
19-Sep-06	Yolanda	N	Applied	Orange	45896		0	Female	63		
19-Sep-06	Yolanda	N	Applied	Orange	45897		0	Male	66		
19-Sep-06	Yolanda	N	Applied	Orange	45898		0	Male	69		
19-Sep-06	Yolanda	N	Applied	Orange	45899		0	Female	70		
19-Sep-06	Yolanda	N	Applied	Orange	45900		0	Male	70		
19-Sep-06	Yolanda	N	Applied	Orange	45901		0	Male	72		
19-Sep-06	Virginia	N	Applied	Orange	45902		0	Female	83		
19-Sep-06	Virginia	N	Applied	Orange	45903		0	Male	81		left side mouth
19-Sep-06	Virginia	N	Applied	Orange	45904		0	Female	73		
19-Sep-06	Virginia	N	Applied	Orange	45905		0	Female	74.5		bottom fin torn
19-Sep-06	Virginia	N	Applied	Orange	45906		0	Female	84		
19-Sep-06	Virginia	N	Applied	Orange	45907		0	Male	65.5		dorsal
19-Sep-06	Virginia	N	Applied	Orange	45908		0	Female	72.5		left plate

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
19-Sep-06	Virginia	N	Applied	Orange	45909		0	Female	71.5		
19-Sep-06	Virginia	N	Applied	Orange	45910		0	Female	70		scales
19-Sep-06	Virginia	N	Applied	Orange	45912		0	Female	56		all fins,,, scar top
19-Sep-06	Virginia	N	Applied	Orange	45913		0	Female	74		all fins
19-Sep-06	Virginia	N	Applied	Orange	45914		0	Female	76		scales
19-Sep-06	Virginia	N	Applied	Orange	45915		0	Male	100		
19-Sep-06	Virginia	N	Applied	Orange	45916		0	Female	70.5		
19-Sep-06	Virginia	N	Applied	Orange	45917		0	Female	76		scales,, all fins
19-Sep-06	Virginia	N	Applied	Orange	45919		0	Female	75.5		
19-Sep-06	Virginia	N	Applied	Orange	45920		0	Female	84		scar belly
19-Sep-06	Virginia	N	lost	Orange	45911		0	Female	68	Bottom	all fins,,, scar belly
19-Sep-06	Virginia	N	Recaptured			Orange	45261	Male	76.5	Bottom	scar rt
19-Sep-06	Yolanda	N	Recaptured			Orange	45407	Female	75	Bottom	
20-Sep-06	Yolanda	N	Applied	Orange	45921		0	Male	63		
20-Sep-06	Yolanda	N	Applied	Orange	45922		0	Male	78		
20-Sep-06	Yolanda	N	Applied	Orange	45925		0	Female	65		
20-Sep-06	Yolanda	N	Applied	Orange	45926		0	Female	62		
20-Sep-06	Yolanda	N	Applied	Orange	45927		0	Male	81		scar on belly
20-Sep-06	Yolanda	N	Applied	Orange	45928		0	Male	76		
20-Sep-06	Yolanda	N	Applied	Orange	45929		0	Male	75		
20-Sep-06	Yolanda	N	Applied	Orange	45930		0	Male	84		net mrks on head
20-Sep-06	Yolanda	N	Applied	Orange	45931		0	Male	90		net mrks on head
20-Sep-06	Yolanda	N	Applied	Orange	45932		0	Male	74		
20-Sep-06	Yolanda	N	Applied	Orange	45933		0	Male	60	Top	lost old tag
20-Sep-06	Yolanda	N	Applied	Orange	45934		0	Male	72		
20-Sep-06	Yolanda	N	Applied	Orange	45935		0	Male	90		
20-Sep-06	Yolanda	N	Applied	Orange	45936		0	Female	76		
20-Sep-06	Yolanda	N	Applied	Orange	45937		0	Male	84		
20-Sep-06	Yolanda	N	Applied	Orange	45938		0	Female	75		
20-Sep-06	Yolanda	N	Applied	Orange	45939		0	Male	72		tail
20-Sep-06	Yolanda	N	Applied	Orange	45940		0	Male	89		
20-Sep-06	Yolanda	N	Applied	Orange	45941		0	Male	78		
20-Sep-06	Yolanda	N	Applied	Orange	45942		0	Male	89		tail
20-Sep-06	Yolanda	N	Applied	Orange	45943		0	Male	73		tail
20-Sep-06	Yolanda	N	Applied	Orange	45944		0	Male	66		tail

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
20-Sep-06	Yolanda	N	Applied	Orange	45945		0	Male	82		ole scar on rt
20-Sep-06	Yolanda	N	Applied	Orange	45946		0	Male	65		
20-Sep-06	Yolanda	N	Applied	Orange	45948		0	Male	73		net mrks head
20-Sep-06	Yolanda	N	Applied	Orange	45949		0	Male	73		
20-Sep-06	Yolanda	N	Applied	Orange	45950		0	Male	74		net mrks
20-Sep-06	Yolanda	N	Applied	Orange	45951		0	Male	94		tail
20-Sep-06	Yolanda	N	Applied	Orange	45952		0	Female	70		
20-Sep-06	Yolanda	N	Applied	Orange	45954		0	Female	75		
20-Sep-06	Yolanda	N	Applied	Orange	45955		0	Male	87		tail
20-Sep-06	Yolanda	N	Applied	Orange	45956		0	Male	73		gills
20-Sep-06	Yolanda	N	Applied	Orange	45957		0	Male	90		
20-Sep-06	Yolanda	N	Applied	Orange	45958		0	Male	82		
20-Sep-06	Yolanda	N	Applied	Orange	45959		0	Male	71		ole scar left side
20-Sep-06	Yolanda	N	Applied	Orange	45960		0	Male	70		
20-Sep-06	Yolanda	N	Applied	Orange	45961		0	Female	70		
20-Sep-06	Yolanda	N	Applied	Orange	45962		0	Male	91		
20-Sep-06	Yolanda	N	Applied	Orange	45963		0	Male	67		
20-Sep-06	Yolanda	N	Applied	Orange	45964		0	Female	78		
20-Sep-06	Yolanda	N	Applied	Orange	45966		0	Male	75		
20-Sep-06	Yolanda	N	Applied	Orange	45967		0	Male	75		
20-Sep-06	Yolanda	N	Applied	Orange	45968		0	Female	65		
20-Sep-06	Yolanda	N	Applied	Orange	45969		0	Male	71		tail
20-Sep-06	Yolanda	N	Applied	Orange	45970		0	Male	71		
20-Sep-06	Yolanda	N	Applied	Orange	45971		0	Male	63		
20-Sep-06	Yolanda	N	Applied	Orange	45972		0	Male	76		
20-Sep-06	Yolanda	N	Applied	Orange	45973		0	Male	74		
20-Sep-06	Yolanda	N	Applied	Orange	45975		0	Male	66		
20-Sep-06	Yolanda	N	Applied	Orange	45976		0	Male	69		net mrks
20-Sep-06	Yolanda	N	Applied	Orange	45977		0	Male	81		
20-Sep-06	Yolanda	N	Applied	Orange	45978		0	Male	77		
20-Sep-06	Yolanda	N	Applied	Orange	45979		0	Female	70		tail
20-Sep-06	Yolanda	N	Applied	Orange	45980		0	Male	81		rt plate
20-Sep-06	Yolanda	N	Applied	Orange	45982		0	Male	71		
20-Sep-06	Yolanda	N	Applied	Orange	45983		0	Female	67		tail
20-Sep-06	Yolanda	N	Applied	Orange	45984		0	Male	66		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
20-Sep-06	Yolanda	N	Applied	Orange	45985		0	Male	90		
20-Sep-06	Yolanda	N	Applied	Orange	45986		0	Male	83		
20-Sep-06	Yolanda	N	Applied	Orange	45987		0	Female	73		
20-Sep-06	Yolanda	N	Applied	Orange	45988		0	Male	71		
20-Sep-06	Yolanda	N	Applied	Orange	45989		0	Male	94		
20-Sep-06	Yolanda	N	Applied	Orange	45991		0	Male	83		
20-Sep-06	Yolanda	N	Applied	Orange	45992		0	Male	64		
20-Sep-06	Yolanda	N	Applied	Orange	45993		0	Male	79		
20-Sep-06	Yolanda	N	Applied	Orange	45994		0	Female	70		
20-Sep-06	Virginia	N	Applied	Orange	45995		0	Female	70		top tailmissing,,,,, left plate,,,,
20-Sep-06	Virginia	N	Applied	Orange	45996		0	Female	68.5		claw mrks,, both sides
20-Sep-06	Virginia	N	Applied	Orange	45997		0	Female	74.5		scar left
20-Sep-06	Virginia	N	Applied	Orange	45998		0	Male	73.5		scar left
20-Sep-06	Virginia	N	Applied	Orange	45999		0	Female	73		net mrks
20-Sep-06	Virginia	N	Applied	Orange	46000		0	Male	71		
20-Sep-06	Virginia	N	Applied	Orange	46001		0	Female	56.5		
20-Sep-06	Virginia	N	Applied	Orange	46002		0	Female	69		
20-Sep-06	Virginia	N	Applied	Orange	46003		0	Male	61		
20-Sep-06	Virginia	N	Applied	Orange	46004		0	Female	68		
20-Sep-06	Virginia	N	Applied	Orange	46005		0	Female	73		scar belly
20-Sep-06	Virginia	N	Applied	Orange	46006		0	Male	81		
20-Sep-06	Virginia	N	Applied	Orange	46007		0	Female	66		fins
20-Sep-06	Virginia	N	Applied	Orange	46008		0	Female	70		scales
20-Sep-06	Virginia	N	Applied	Orange	46009		0	Female	63.5		tail
20-Sep-06	Virginia	N	Applied	Orange	46010		0	Female	72		
20-Sep-06	Virginia	N	Applied	Orange	46011		0	Female	73		
20-Sep-06	Virginia	N	Applied	Orange	46013		0	Female	71		
20-Sep-06	Virginia	N	Applied	Orange	46014		0	Male	74		left plate,,
20-Sep-06	Virginia	N	Applied	Orange	46015		0	Female	73		
20-Sep-06	Virginia	N	Applied	Orange	46016		0	Female	69		scales,, net mrks
20-Sep-06	Virginia	N	Applied	Orange	46017		0	Female	55		net mrks
20-Sep-06	Virginia	N	Applied	Orange	46018		0	Female	64		
20-Sep-06	Virginia	N	Applied	Orange	46019		0	Female	76		scales
20-Sep-06	Virginia	N	Applied	Orange	46020		0	Male	68		all fins
20-Sep-06	Virginia	N	Applied	Orange	46021		0	Female	70.5		claw mrks,, scales

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
20-Sep-06	Virginia	N	Applied	Orange	46022		0	Female	73		
20-Sep-06	Virginia	N	Applied	Orange	46023		0	Male	85		
20-Sep-06	Virginia	N	Applied	Orange	46025		0	Female	83		
20-Sep-06	Virginia	N	Applied	Orange	46026		0	Female	66		scar left
20-Sep-06	Virginia	N	Applied	Orange	46027		0	Male	72		
20-Sep-06	Virginia	N	Applied	Orange	46028		0	Male	83		scar rt
20-Sep-06	Virginia	N	Applied	Orange	46029		0	Male	76.5		rt eye red
20-Sep-06	Virginia	N	Applied	Orange	46030		0	Female	73		
20-Sep-06	Yolanda	N	Recaptured			Grey	28854	Male	84		
20-Sep-06	Virginia	N	Recaptured			Orange	44468	Male	83	Top	left face
20-Sep-06	Yolanda	N	Recaptured			Orange	44471	Male	77		
20-Sep-06	Yolanda	N	Recaptured			Orange	44942	Female	69	Top	
20-Sep-06	Yolanda	N	Recaptured			Orange	45053	Male	82		
20-Sep-06	Yolanda	N	Recaptured			Orange	45158	Male	70	Top	
20-Sep-06	Virginia	N	Recaptured			Orange	45335	Male	84	Bottom	head
20-Sep-06	Yolanda	N	Recaptured			Orange	45336	Female	72	Bottom	
20-Sep-06	Yolanda	N	Recaptured			Orange	45348	Female	66	Bottom	
20-Sep-06	Yolanda	N	Recaptured			Orange	45376	Male	69	Bottom	
20-Sep-06	Virginia	N	Recaptured			Orange	46000	Male	71		
20-Sep-06	Yolanda	N	Recaptured			Orange	64622	Female	61	Bottom	
20-Sep-06	Virginia	N	Recaptured			White	15605	Male	75	Bottom	
21-Sep-06	Yolanda	N	Applied	Orange	46031		0	Male	84		
21-Sep-06	Yolanda	N	Applied	Orange	46032		0	Male	71		
21-Sep-06	Yolanda	N	Applied	Orange	46033		0	Female	70		
21-Sep-06	Yolanda	N	Applied	Orange	46034		0	Female	75		tail
21-Sep-06	Yolanda	N	Applied	Orange	46035		0	Female	68		
21-Sep-06	Yolanda	N	Applied	Orange	46037		0	Male	70		tail
21-Sep-06	Yolanda	N	Applied	Orange	46038		0	Male	69		
21-Sep-06	Yolanda	N	Applied	Orange	46039		0	Male	69		tail,,, net mrks
21-Sep-06	Yolanda	N	Applied	Orange	46040		0	Male	74		
21-Sep-06	Yolanda	N	Applied	Orange	46041		0	Male	76		
21-Sep-06	Yolanda	N	Applied	Orange	46042		0	Male	71		tail
21-Sep-06	Yolanda	N	Applied	Orange	46043		0	Male	94		
21-Sep-06	Yolanda	N	Applied	Orange	46044		0	Male	90		mouth
21-Sep-06	Yolanda	N	Applied	Orange	46045		0	Male	76		tail

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
21-Sep-06	Yolanda	N	Applied	Orange	46046		0	Male	71		
21-Sep-06	Yolanda	N	Applied	Orange	46047		0	Male	76		
21-Sep-06	Yolanda	N	Applied	Orange	46048		0	Male	71		tail
21-Sep-06	Yolanda	N	Applied	Orange	46049		0	Male	72		
21-Sep-06	Yolanda	N	Applied	Orange	46050		0	Male	68		
21-Sep-06	Yolanda	N	Applied	Orange	46051		0	Male	58		gill
21-Sep-06	Yolanda	N	Applied	Orange	46052		0	Male	56		
21-Sep-06	Yolanda	N	Applied	Orange	46053		0	Male	93		
21-Sep-06	Yolanda	N	Applied	Orange	46054		0	Male	58		
21-Sep-06	Yolanda	N	Applied	Orange	46055		0	Male	82		
21-Sep-06	Yolanda	N	Applied	Orange	46056		0	Male	70		tail
21-Sep-06	Yolanda	N	Applied	Orange	46057		0	Male	81		
21-Sep-06	Yolanda	N	Applied	Orange	46058		0	Male	66		
21-Sep-06	Yolanda	N	Applied	Orange	46059		0	Male	78		
21-Sep-06	Yolanda	N	Applied	Orange	46060		0	Male	75		
21-Sep-06	Yolanda	N	Applied	Orange	46061		0	Female	73		
21-Sep-06	Yolanda	N	Applied	Orange	46062		0	Male	83		
21-Sep-06	Yolanda	N	Applied	Orange	46063		0	Male	90		
21-Sep-06	Yolanda	N	Applied	Orange	46064		0	Male	73		tail
21-Sep-06	Yolanda	N	Applied	Orange	46065		0	Female	66		tail
21-Sep-06	Yolanda	N	Applied	Orange	46066		0	Male	75		tail
21-Sep-06	Yolanda	N	Applied	Orange	46067		0	Male	96		
21-Sep-06	Yolanda	N	Applied	Orange	46068		0	Male	83		tail
21-Sep-06	Yolanda	N	Applied	Orange	46069		0	Male	75		
21-Sep-06	Yolanda	N	Applied	Orange	46070		0	Female	73		
21-Sep-06	Yolanda	N	Applied	Orange	46071		0	Male	71		
21-Sep-06	Yolanda	N	Applied	Orange	46072		0	Male	78		
21-Sep-06	Yolanda	N	Applied	Orange	46073		0	Male	68		
21-Sep-06	Yolanda	N	Applied	Orange	46074		0	Male	54		
21-Sep-06	Yolanda	N	Applied	Orange	46076		0	Male	63		net head
21-Sep-06	Virginia	N	Applied	Orange	46077		0	Female	69		
21-Sep-06	Virginia	N	Applied	Orange	46078		0	Male	80		scar rt
21-Sep-06	Virginia	N	Applied	Orange	46079		0	Female	82		scales,,, tail/head'
21-Sep-06	Virginia	N	Applied	Orange	46080		0	Female	73.5		all fins,,, nose
21-Sep-06	Virginia	N	Applied	Orange	46081		0	Female	75		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
21-Sep-06	Virginia	N	Applied	Orange	46082		0	Male	66		gash belly,,, net mrks
21-Sep-06	Virginia	N	Applied	Orange	46083		0	Female	67		scales
21-Sep-06	Virginia	N	Applied	Orange	46084		0	Male	89		claw3 mrksw,,,,,head
21-Sep-06	Virginia	N	Applied	Orange	46085		0	Female	83		
21-Sep-06	Virginia	N	Applied	Orange	46086		0	Female	80.5		
21-Sep-06	Virginia	N	Applied	Orange	46087		0	Female	84		net mrks
21-Sep-06	Virginia	N	Applied	Orange	46088		0	Female	76		
21-Sep-06	Virginia	N	Applied	Orange	46089		0	Female	71.5		net mrks
21-Sep-06	Virginia	N	Applied	Orange	46090		0	Female	76		
21-Sep-06	Virginia	N	Applied	Orange	46091		0	Male	81		
21-Sep-06	Virginia	N	Applied	Orange	46092		0	Male	68		dorsal
21-Sep-06	Virginia	N	Applied	Orange	46093		0	Female	80		scales
21-Sep-06	Virginia	N	Applied	Orange	46094		0	Female	85		scar rt
21-Sep-06	Virginia	N	Applied	Orange	46095		0	Female	71.5		
21-Sep-06	Virginia	N	Applied	Orange	46096		0	Female	60		scales,,, claw mrks
21-Sep-06	Virginia	N	Applied	Orange	46098		0	Female	91		red eye rt
21-Sep-06	Virginia	N	Applied	Orange	46099		0	Female	71		dorsal
21-Sep-06	Virginia	N	Applied	Orange	46102		0	Female	74		
21-Sep-06	Virginia	N	Applied	Orange	46103		0	Female	67.5		tail deformed
21-Sep-06	Virginia	N	Applied	Orange	46104		0	Female	66		
21-Sep-06	Virginia	N	Applied	Orange	46105		0	Male	68.5		
21-Sep-06	Virginia	N	Applied	Orange	46106		0	Male	78		
21-Sep-06	Yolanda	Y	None				0	Male	68		head badly damaged
21-Sep-06	Yolanda	Y	None				0	Male	58		stuck in net
21-Sep-06	Yolanda	N	Recaptured			brown	24538	Male	72	Bottom	firemen of smithers
21-Sep-06	Virginia	N	Recaptured			brown	24543	Male	55.5	Bottom	net mrks
21-Sep-06	Virginia	N	Recaptured			Orange	2135	Female	49	Bottom	dark orange tag,,, head/mouth
21-Sep-06	Yolanda	N	Recaptured			Orange	44172	Male	71	Bottom	
21-Sep-06	Yolanda	N	Recaptured			Orange	45198	Male	90		
21-Sep-06	Yolanda	N	Recaptured			Orange	45267	Male	72	Bottom	
21-Sep-06	Virginia	N	Recaptured			Orange	45274	Female	84	Bottom	lowr lobe
21-Sep-06	Virginia	N	Recaptured			Orange	45292	Female	68	Bottom	claw mrks
21-Sep-06	Virginia	N	Recaptured			White	15686	Female	85	Bottom	
22-Sep-06	Yolanda	N	Applied	Orange	46107		0	Male	76		
22-Sep-06	Yolanda	N	Applied	Orange	46108		0	Male	54		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
22-Sep-06	Yolanda	N	Applied	Orange	46109		0	Male	70		
22-Sep-06	Yolanda	N	Applied	Orange	46110		0	Male	81		
22-Sep-06	Yolanda	N	Applied	Orange	46111		0	Male	74		
22-Sep-06	Yolanda	N	Applied	Orange	46112		0	Male	59		pink rt eye
22-Sep-06	Yolanda	N	Applied	Orange	46113		0	Male	76		tail
22-Sep-06	Yolanda	N	Applied	Orange	46114		0	Male	71		
22-Sep-06	Yolanda	N	Applied	Orange	46115		0	Male	84		
22-Sep-06	Yolanda	N	Applied	Orange	46116		0	Male	74		
22-Sep-06	Yolanda	N	Applied	Orange	46117		0	Female	71		bear claw belly
22-Sep-06	Yolanda	N	Applied	Orange	46118		0	Male	64		
22-Sep-06	Yolanda	N	Applied	Orange	46119		0	Female	74		gill
22-Sep-06	Yolanda	N	Applied	Orange	46120		0	Male	83		tail
22-Sep-06	Yolanda	N	Applied	Orange	46121		0	Male	64		tail
22-Sep-06	Yolanda	N	Applied	Orange	46122		0	Male	86		tail
22-Sep-06	Yolanda	N	Applied	Orange	46123		0	Male	71		tail
22-Sep-06	Yolanda	N	Applied	Orange	46124		0	Male	80		
22-Sep-06	Virginia	N	Applied	Orange	46125		0	Female	67		net mrks
22-Sep-06	Virginia	N	Applied	Orange	46126		0	Female	76.5		all fins,,, scar left
22-Sep-06	Virginia	N	Applied	Orange	46127		0	Female	82		no punch
22-Sep-06	Virginia	N	Applied	Orange	46128		0	Male	91		gash belly,,, claw mrks
22-Sep-06	Virginia	N	Applied	Orange	46129		0	Male	72.5		
22-Sep-06	Virginia	N	Applied	Orange	46130		0	Female	75		scar left
22-Sep-06	Virginia	N	Applied	Orange	46131		0	Female	74		
22-Sep-06	Virginia	N	Applied	Orange	46132		0	Male	72		
22-Sep-06	Virginia	N	Applied	Orange	46133		0	Male	74		scales,,, scar rt
22-Sep-06	Virginia	N	Applied	Orange	46134		0	Female	70.5		
22-Sep-06	Virginia	N	Applied	Orange	46135		0	Male	76		
22-Sep-06	Virginia	N	Applied	Orange	46136		0	Male	90		scales,,, all fins
22-Sep-06	Virginia	N	Applied	Orange	46137		0	Female	76		scales
22-Sep-06	Virginia	N	Applied	Orange	46138		0	Male	84.5		scales
22-Sep-06	Virginia	N	Applied	Orange	46139		0	Male	64		
22-Sep-06	Virginia	N	Applied	Orange	46140		0	Female	65		
22-Sep-06	Virginia	N	Applied	Orange	46141		0	Female	78		
22-Sep-06	Virginia	N	Applied	Orange	46142		0	Male	71		scales
22-Sep-06	Virginia	N	Applied	Orange	46143		0	Female	73		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
22-Sep-06	Virginia	N	Applied	Orange	46144			Male	64.5		scales,,, net mrks
22-Sep-06	Virginia	N	Applied	Orange	46145		0	Male	91		mouth,,,
22-Sep-06	Virginia	N	Applied	Orange	46146		0	Female	70		net mrks
22-Sep-06	Yolanda	N	Recaptured			Grey	33346	Female	75	Bottom	
22-Sep-06	Virginia	N	Recaptured			Grey	33610	Male	79	n	no punch
22-Sep-06	Yolanda	N	Recaptured			Orange	45321	Male	88	Bottom	
22-Sep-06	Yolanda	N	Recaptured			Orange	45732	Male	71		
22-Sep-06	Virginia	N	Recaptured			White	15580	Female	87	n	rt gill,,, tail
22-Sep-06	Virginia	N	Recaptured			White	40229	Female	73	n	ministry of environment
25-Sep-06	Virginia	N	Applied	Orange	45227		0	Male	69		snout deformed
25-Sep-06	Virginia	N	Applied	Orange	45228		0	Female	60.5		scales,, net mrks
25-Sep-06	Virginia	N	Applied	Orange	45229		0	Female	70.5		fins,,,
25-Sep-06	Virginia	N	Applied	Orange	45231		0	Female	76		scar belly,, and rt side
25-Sep-06	Virginia	N	Applied	Orange	45232		0	Female	80		scales
25-Sep-06	Virginia	N	Applied	Orange	45233		0	Female	72		scales
25-Sep-06	Yolanda	N	Applied	Orange	46147		0	Male	86		
25-Sep-06	Yolanda	N	Applied	Orange	46148		0	Male	68		
25-Sep-06	Yolanda	N	Applied	Orange	46150		0	Male	73		
25-Sep-06	Yolanda	N	Applied	Orange	46151		0	Male	80		
25-Sep-06	Yolanda	N	Applied	Orange	46152		0	Male	71		
25-Sep-06	Yolanda	N	Applied	Orange	46153		0	Male	81		tail
25-Sep-06	Yolanda	N	Applied	Orange	46154		0	Female	88		sea lice
25-Sep-06	Yolanda	N	Applied	Orange	46155		0	Male	85		
25-Sep-06	Yolanda	N	Applied	Orange	46156		0	Male	89		
25-Sep-06	Yolanda	N	Applied	Orange	46157		0	Male	84		
25-Sep-06	Yolanda	N	Applied	Orange	46158		0	Male	64		
25-Sep-06	Yolanda	N	Applied	Orange	46159		0	Male	68		tail
25-Sep-06	Yolanda	N	Applied	Orange	46160		0	Male	67		
25-Sep-06	Yolanda	N	Applied	Orange	46161		0	Male	72		tail
25-Sep-06	Yolanda	N	Applied	Orange	46162		0	Male	76		
25-Sep-06	Yolanda	N	Applied	Orange	46164		0	Male	70		
25-Sep-06	Yolanda	N	Applied	Orange	46165		0	Male	70		
25-Sep-06	Yolanda	N	Applied	Orange	46166		0	Male	70		
25-Sep-06	Yolanda	N	Applied	Orange	46167		0	Male	73		nose
25-Sep-06	Yolanda	N	Applied	Orange	46168		0	Male	82		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
25-Sep-06	Yolanda	N	Applied	Orange	46169		0	Male	70		
25-Sep-06	Yolanda	N	Applied	Orange	46170		0	Male	76		
25-Sep-06	Yolanda	N	Applied	Orange	46171		0	Male	75		tail
25-Sep-06	Yolanda	N	Applied	Orange	46172		0	Female	66		
25-Sep-06	Yolanda	N	Applied	Orange	46173		0	Male	56		
25-Sep-06	Yolanda	N	Applied	Orange	46174		0	Male	72		
25-Sep-06	Yolanda	N	Applied	Orange	46175		0	Male	76		
25-Sep-06	Yolanda	N	Applied	Orange	46176		0	Male	91		tail
25-Sep-06	Yolanda	N	Applied	Orange	46177		0	Male	78		
25-Sep-06	Yolanda	N	Applied	Orange	46178		0	Male	77		tail
25-Sep-06	Yolanda	N	Applied	Orange	46179		0	Male	75		
25-Sep-06	Yolanda	N	Applied	Orange	46180		0	Male	56		
25-Sep-06	Yolanda	N	Applied	Orange	46181		0	Male	75		
25-Sep-06	Yolanda	N	Applied	Orange	46182		0	Male	76		
25-Sep-06	Yolanda	N	Applied	Orange	46183		0	Female	69		gill
25-Sep-06	Yolanda	N	Applied	Orange	46184		0	Male	73		
25-Sep-06	Yolanda	N	Applied	Orange	46185		0	Male	81		
25-Sep-06	Yolanda	N	Applied	Orange	46186		0	Male	96		
25-Sep-06	Yolanda	N	Applied	Orange	46187		0	Male	76		
25-Sep-06	Yolanda	N	Applied	Orange	46188		0	Male	75		
25-Sep-06	Yolanda	N	Applied	Orange	46189		0	Male	72		
25-Sep-06	Yolanda	N	Applied	Orange	46190		0	Male	67		
25-Sep-06	Yolanda	N	Applied	Orange	46191		0	Male	71		
25-Sep-06	Yolanda	N	Applied	Orange	46192		0	Female	71		
25-Sep-06	Yolanda	N	Applied	Orange	46193		0	Male	87		
25-Sep-06	Yolanda	N	Applied	Orange	46194		0	Male	80		
25-Sep-06	Yolanda	N	Applied	Orange	46195		0	Male	78		
25-Sep-06	Yolanda	N	Applied	Orange	46196		0	Male	73		tail
25-Sep-06	Yolanda	N	Applied	Orange	46197		0	Female	76		
25-Sep-06	Yolanda	N	Applied	Orange	46198		0	Male	78		
25-Sep-06	Yolanda	N	Applied	Orange	46199		0	Male	76		
25-Sep-06	Yolanda	N	Applied	Orange	46200		0	Male	73		
25-Sep-06	Yolanda	N	Applied	Orange	46201		0	Male	80		
25-Sep-06	Yolanda	N	Applied	Orange	46202		0	Male	92		
25-Sep-06	Yolanda	N	Applied	Orange	46203		0	Male	70		tail

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
25-Sep-06	Yolanda	N	Applied	Orange	46204		0	Male	57		
25-Sep-06	Yolanda	N	Applied	Orange	46205		0	Male	90		
25-Sep-06	Yolanda	N	Applied	Orange	46206		0	Male	67		
25-Sep-06	Yolanda	N	Applied	Orange	46207		0	Female	73		
25-Sep-06	Yolanda	N	Applied	Orange	46208		0	Male	86		
25-Sep-06	Yolanda	N	Applied	Orange	46210		0	Male	72		
25-Sep-06	Yolanda	N	Applied	Orange	46211		0	Female	73		
25-Sep-06	Yolanda	N	Applied	Orange	46212		0	Male	90		
25-Sep-06	Yolanda	N	Applied	Orange	46213		0	Female	72		
25-Sep-06	Yolanda	N	Applied	Orange	46214		0	Male	72		
25-Sep-06	Yolanda	N	Applied	Orange	46215		0	Female	73		
25-Sep-06	Yolanda	N	Applied	Orange	46216		0	Male	70		
25-Sep-06	Yolanda	N	Applied	Orange	46217		0	Female	67		snout
25-Sep-06	Yolanda	N	Applied	Orange	46218		0	Male	90		tail badly damaged
25-Sep-06	Yolanda	N	Applied	Orange	46219		0	Male	94		tail badly damaged
25-Sep-06	Yolanda	N	Applied	Orange	46220		0	Female	74		
25-Sep-06	Yolanda	N	Applied	Orange	46221		0	Male	85		
25-Sep-06	Yolanda	N	Applied	Orange	46222		0	Male	67		
25-Sep-06	Yolanda	N	Applied	Orange	46223		0	Male	84		
25-Sep-06	Yolanda	N	Applied	Orange	46224		0	Male	64		tail
25-Sep-06	Yolanda	N	Applied	Orange	46225		0	Male	74		
25-Sep-06	Yolanda	N	Applied	Orange	46226		0	Male	70		
25-Sep-06	Yolanda	N	Applied	Orange	46227		0	Male	82		tail
25-Sep-06	Yolanda	N	Applied	Orange	46228		0	Male	82		
25-Sep-06	Yolanda	N	Applied	Orange	46229		0	Male	74		bear claw mrks
25-Sep-06	Yolanda	N	Applied	Orange	46230		0	Male	77		
25-Sep-06	Yolanda	N	Applied	Orange	46231		0	Female	65		
25-Sep-06	Yolanda	N	Applied	Orange	46232		0	Male	82		tail
25-Sep-06	Yolanda	N	Applied	Orange	46233		0	Female	72		
25-Sep-06	Yolanda	N	Applied	Orange	46234		0	Male	69		
25-Sep-06	Yolanda	N	Applied	Orange	46235		0	Female	70		left plate
25-Sep-06	Yolanda	N	Applied	Orange	46237		0	Male	76		
25-Sep-06	Yolanda	N	Applied	Orange	46238		0	Male	86		
25-Sep-06	Yolanda	N	Applied	Orange	46239		0	Male	67		
25-Sep-06	Yolanda	N	Applied	Orange	46240		0	Female	71		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
25-Sep-06	Yolanda	N	Applied	Orange	46241		0	Male	86		UL gone
25-Sep-06	Yolanda	N	Applied	Orange	46243		0	Male	83		
25-Sep-06	Yolanda	N	Applied	Orange	46244		0	Male	80		
25-Sep-06	Yolanda	N	Applied	Orange	46246		0	Male	78		
25-Sep-06	Yolanda	N	Applied	Orange	46247		0	Male	83		
25-Sep-06	Yolanda	N	Applied	Orange	46248		0	Male	74		
25-Sep-06	Yolanda	N	Applied	Orange	46249		0	Male	74		
25-Sep-06	Yolanda	N	Applied	Orange	46250		0	Male	73		
25-Sep-06	Yolanda	N	Applied	Orange	46251		0	Male	79		gill
25-Sep-06	Yolanda	N	Applied	Orange	46252		0	Male	70		
25-Sep-06	Yolanda	N	Applied	Orange	46253		0	Male	75		
25-Sep-06	Yolanda	N	Applied	Orange	46254		0	Male	83		
25-Sep-06	Yolanda	N	Applied	Orange	46255		0	Male	67		tail
25-Sep-06	Yolanda	N	Applied	Orange	46256		0	Male	67		tail
25-Sep-06	Yolanda	N	Applied	Orange	46257		0	Male	79		
25-Sep-06	Virginia	N	Applied	Orange	46258		0	Female	74		
25-Sep-06	Virginia	N	Applied	Orange	46259		0	Male	61.5		
25-Sep-06	Virginia	N	Applied	Orange	46260		0	Male	83.5		
25-Sep-06	Virginia	N	Applied	Orange	46261		0	Female	71.5		NOSE DAM.
25-Sep-06	Virginia	N	Applied	Orange	46263		0	Female	75.5		RIGHT SCAR
25-Sep-06	Virginia	N	Applied	Orange	46264		0	Male	82.5		R-SCAR.
25-Sep-06	Virginia	N	Applied	Orange	46265		0	Male	74		BOTTOM MOUTH DAM.
25-Sep-06	Virginia	N	Applied	Orange	46266		0	Male	81		TORN TAIL
25-Sep-06	Virginia	N	Applied	Orange	46267		0	Female	66		FINS TORN
25-Sep-06	Virginia	N	Applied	Orange	46268		0	Male	66.5		SKINNED RIGHT SIDE - BELLY
25-Sep-06	Virginia	N	Applied	Orange	46269		0	Male	71		NET M,ARKS
25-Sep-06	Virginia	N	Applied	Orange	46270		0	Female	80		
25-Sep-06	Virginia	N	Applied	Orange	46271		0	Male	83.5		
25-Sep-06	Virginia	N	Applied	Orange	46272		0	Female	73	Top	HEAD DAM - CLAW MARKS
25-Sep-06	Virginia	N	Applied	Orange	46273		0	Male	76.5		
25-Sep-06	Virginia	N	Applied	Orange	46274		0	Male	66		NET ,CLAW MARKS
25-Sep-06	Virginia	N	Applied	Orange	46275		0	Female	84		MOUTH DAM.
25-Sep-06	Virginia	N	Applied	Orange	46276		0	Male	83		TAIL TORN.
25-Sep-06	Virginia	N	Applied	Orange	46277		0	Female	87		
25-Sep-06	Virginia	N	Applied	Orange	46278		0	Female	76		NET MARKS

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
25-Sep-06	Virginia	N	Applied	Orange	46279		0	Female	76		
25-Sep-06	Virginia	N	Applied	Orange	46280		0	Male	75.5		
25-Sep-06	Virginia	N	Applied	Orange	46281		0	Female	73		L-GILL TORN.
25-Sep-06	Virginia	N	Applied	Orange	46282		0	Female	95.5		NOSE DAM.
25-Sep-06	Virginia	N	Applied	Orange	46283		0	Female	70		DORSAL DAM.
25-Sep-06	Virginia	N	Applied	Orange	46284		0	Female	73		FINS TORN
25-Sep-06	Virginia	N	Applied	Orange	46285		0	Male	73.5		CLAW MARKS - HEAD DAM.
25-Sep-06	Virginia	N	Applied	Orange	46287		0	Female	93.5		
25-Sep-06	Virginia	N	Applied	Orange	46288		0	Female	63		SCALE LOSS - CLAW MARKS.
25-Sep-06	Virginia	N	Applied	Orange	46289		0	Female	68		BELLY DAM - DORSAL TORN.
25-Sep-06	Virginia	N	Applied	Orange	46290		0	Male	82		R-SCARS
25-Sep-06	Virginia	N	Applied	Orange	46291		0	Female	63		FINS TORN
25-Sep-06	Virginia	N	Applied	Orange	46292		0	Female	72		R-SCARS
25-Sep-06	Virginia	N	Applied	Orange	46294		0	Female	80		FINS TORN
25-Sep-06	Virginia	N	Applied	Orange	46296		0	Female	73		SCALE LOSS
25-Sep-06	Virginia	N	Applied	Orange	46297		0	Female	57		SCALE LOSS - NET MARKS
25-Sep-06	Virginia	N	Applied	Orange	46298		0	Male	70		
25-Sep-06	Virginia	N	Applied	Orange	46299		0	Female	84.5		ALL FINS TORN.
25-Sep-06	Virginia	N	Applied	Orange	46300		0	Male	73		
25-Sep-06	Virginia	N	Applied	Orange	46301		0	Female	72.5		DORSAL DAM.
25-Sep-06	Virginia	N	Applied	Orange	46302		0	Female	78.5		FINS TORN
25-Sep-06	Virginia	N	Applied	Orange	46303		0	Male	76		TAIL TORN
25-Sep-06	Virginia	N	Applied	Orange	46304		0	Female	83		LEFT SCAR
25-Sep-06	Virginia	N	Applied	Orange	46305		0	Male	94.5		MOUTH TORN
25-Sep-06	Virginia	N	Applied	Orange	46306		0	Female	68		BELLY SCAR
25-Sep-06	Virginia	N	Applied	Orange	46307		0	Female	82.5		CLAW MARKS RIGHT
25-Sep-06	Virginia	N	Applied	Orange	46308		0	Male	82		ADIPOSE, MOUTH DAM.
25-Sep-06	Virginia	N	Applied	Orange	46309		0	Female	70		NET MARKS
25-Sep-06	Virginia	N	Applied	Orange	46310		0	Female	69		
25-Sep-06	Virginia	N	Applied	Orange	46311		0	Female	76		NET MARKS
25-Sep-06	Virginia	N	Applied	Orange	46312		0	Female	73		SCALE LOSS
25-Sep-06	Virginia	N	Applied	Orange	46314		0	Male	89		SCARS RIGHT AND LEFT
25-Sep-06	Virginia	N	Applied	Orange	46315		0	Male	87		
25-Sep-06	Virginia	N	Applied	Orange	46316		0	Male	85		NET MARKS
25-Sep-06	Virginia	N	Applied	Orange	46317		0	Male	64		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
25-Sep-06	Virginia	N	lost	Orange			0	Male	72		
25-Sep-06	Yolanda	N	Lost	Orange	46149	White	0	Female	65	Top	retagged
25-Sep-06	Yolanda	N	lost	Orange	46236		0	Male	77	Top	lost old tag
25-Sep-06	Yolanda	N	lost	Orange	46242		0	Male	75	top/bottom	
25-Sep-06	Yolanda	N	lost	Orange	46245		0	Male	78	top/bottom	
25-Sep-06	Virginia	N	lost	Orange	46295		0	Male	74.5	Bottom	NET MARKS.
25-Sep-06	Virginia	N	lost	Orange	46313		0	Female	68	Bottom	DORSAL DAM.
25-Sep-06	Yolanda	N	Recaptured				64602	Male	84	Bottom	
25-Sep-06	Yolanda	N	Recaptured			brown	24501	Male	75	Bottom	
25-Sep-06	Yolanda	N	Recaptured			brown	24505	Male	65	Bottom	
25-Sep-06	Yolanda	N	Recaptured			Grey	30751	Male	74	Bottom	
25-Sep-06	Yolanda	N	Recaptured			Grey	30781	Female	69	Bottom	
25-Sep-06	Yolanda	N	Recaptured			Grey	33336	Male	86	Bottom	
25-Sep-06	Virginia	N	Recaptured			Orange	44164	Female	76	Bottom	
25-Sep-06	Virginia	N	Recaptured			Orange	44214	Female	85	Bottom	FINS TORN - MOE TAG
25-Sep-06	Virginia	N	Recaptured			Orange	44969	Male	73	N	TAIL DAM.
25-Sep-06	Yolanda	N	Recaptured			Orange	45300	Female	72	Top	
25-Sep-06	Yolanda	N	Recaptured			Orange	45341	Female	68	Bottom	
25-Sep-06	Yolanda	N	Recaptured			Orange	45422	Female	66	Bottom	
25-Sep-06	Yolanda	N	Recaptured			Orange	45432	Female	67	Bottom	
25-Sep-06	Virginia	N	Recaptured			Orange	45468	Female	76	Bottom	MINISTRY OF ENVIRONMENT
25-Sep-06	Virginia	N	Recaptured			Orange	45523	Female	83.5	Top	MOE TAG - NOSE DAM.
25-Sep-06	Virginia	N	Recaptured			Orange	45551	Male	72		
25-Sep-06	Virginia	N	Recaptured			Orange	45553	Male	71	Top	MOE TAG.
25-Sep-06	Virginia	N	Recaptured			Orange	45697	Female	69		
25-Sep-06	Yolanda	N	Recaptured			Orange	45740	Female	80	Top	gill,net mrks
25-Sep-06	Yolanda	N	Recaptured			Orange	45960	Male	70		
25-Sep-06	Yolanda	N	Recaptured			Orange	45971	Male	63		
25-Sep-06	Virginia	N	Recaptured			Orange	46194	Male	81	Top	MOE TAG
25-Sep-06	Yolanda	N	Recaptured			Orange	64603	Female	70	Bottom	
25-Sep-06	Virginia	N	Recaptured			Orange	64630	Female	84	Bottom	
25-Sep-06	Virginia	N	Recaptured			Orange	64650	Male	82	N	MOW TAG
25-Sep-06	Virginia	N	Recaptured			Orange	66335	Female	86	Bottom	NOSE DAM.- MOE TAG.
25-Sep-06	Yolanda	N	Recaptured			White	15461	Male	82	Top	bear claw,, no tail punch
26-Sep-06	Yolanda	N	Applied	Orange	46319		0	Female	82		TAIL

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
26-Sep-06	Yolanda	N	Applied	Orange	46320		0	Female	73		
26-Sep-06	Yolanda	N	Applied	Orange	46321		0	Female	73		
26-Sep-06	Yolanda	N	Applied	Orange	46322		0	Female	66		
26-Sep-06	Yolanda	N	Applied	Orange	46323		0	Female	67		
26-Sep-06	Yolanda	N	Applied	Orange	46324		0	Male	75		SCARS BELLY
26-Sep-06	Yolanda	N	Applied	Orange	46325		0	Male	57		
26-Sep-06	Yolanda	N	Applied	Orange	46326		0	Male	77		
26-Sep-06	Yolanda	N	Applied	Orange	46327		0	Male	87		
26-Sep-06	Yolanda	N	Applied	Orange	46329		0	Male	83		NOSE UNDT TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46330		0	Male	73		
26-Sep-06	Yolanda	N	Applied	Orange	46331		0	Male	75		
26-Sep-06	Yolanda	N	Applied	Orange	46332		0	Male	76		
26-Sep-06	Yolanda	N	Applied	Orange	46333		0	Male	86		TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46334		0	Male	75		
26-Sep-06	Yolanda	N	Applied	Orange	46335		0	Male	83		
26-Sep-06	Yolanda	N	Applied	Orange	46336		0	Male	74		NET HEAD
26-Sep-06	Yolanda	N	Applied	Orange	46337		0	Male	66		
26-Sep-06	Yolanda	N	Applied	Orange	46338		0	Male	69		
26-Sep-06	Yolanda	N	Applied	Orange	46339		0	Male	73		
26-Sep-06	Yolanda	N	Applied	Orange	46340		0	Female	75		
26-Sep-06	Yolanda	N	Applied	Orange	46341		0	Female	67		
26-Sep-06	Yolanda	N	Applied	Orange	46342		0	Male	73		GILL
26-Sep-06	Yolanda	N	Applied	Orange	46343		0	Male	62		
26-Sep-06	Yolanda	N	Applied	Orange	46344		0	Male	101		TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46345		0	Male	74		
26-Sep-06	Yolanda	N	Applied	Orange	46346		0	Female	72		
26-Sep-06	Yolanda	N	Applied	Orange	46347		0	Female	70		
26-Sep-06	Yolanda	N	Applied	Orange	46348		0	Male	83		
26-Sep-06	Yolanda	N	Applied	Orange	46349		0	Male	91		
26-Sep-06	Yolanda	N	Applied	Orange	46351		0	Male	65		
26-Sep-06	Yolanda	N	Applied	Orange	46352		0	Male	74		
26-Sep-06	Yolanda	N	Applied	Orange	46353		0	Male	64		
26-Sep-06	Yolanda	N	Applied	Orange	46355		0	Male	69		
26-Sep-06	Yolanda	N	Applied	Orange	46356		0	Male	74		
26-Sep-06	Yolanda	N	Applied	Orange	46358		0	Male	70		

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
26-Sep-06	Yolanda	N	Applied	Orange	46359		0	Male	85		
26-Sep-06	Yolanda	N	Applied	Orange	46360		0	Female	82		TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46361		0	Male	74		TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46362		0	Male	67		SCALES,, TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46363		0	Male	68		NET MRKS,,,
26-Sep-06	Yolanda	N	Applied	Orange	46364		0	Male	70		TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46365		0	Male	78		
26-Sep-06	Yolanda	N	Applied	Orange	46366		0	Female	71		
26-Sep-06	Yolanda	N	Applied	Orange	46367		0	Male	77		TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46368		0	Male	68		OLE SCAR RT
26-Sep-06	Yolanda	N	Applied	Orange	46369		0	Female	73		
26-Sep-06	Yolanda	N	Applied	Orange	46370		0	Male	94		TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46371		0	Male	66		
26-Sep-06	Yolanda	N	Applied	Orange	46372		0	Male	74		
26-Sep-06	Yolanda	N	Applied	Orange	46373		0	Male	78		
26-Sep-06	Yolanda	N	Applied	Orange	46374		0	Male	83		
26-Sep-06	Yolanda	N	Applied	Orange	46375		0	Male	102		
26-Sep-06	Yolanda	N	Applied	Orange	46376		0	Male	91		TAIL
26-Sep-06	Yolanda	N	Applied	Orange	46377		0	Male	81		
26-Sep-06	Yolanda	N	Applied	Orange	46378		0	Female	85		
26-Sep-06	Yolanda	N	Applied	Orange	46379		0	Female	84		
26-Sep-06	Yolanda	N	Applied	Orange	46380		0	Female	72		BEAR MRKS
26-Sep-06	Yolanda	N	Applied	Orange	46381		0	Male	74		
26-Sep-06	Yolanda	N	Applied	Orange	46382		0	Male	84		
26-Sep-06	Yolanda	N	Applied	Orange	46383		0	Male	74		
26-Sep-06	Yolanda	N	Applied	Orange	46384		0	Male	83		
26-Sep-06	Yolanda	N	Applied	Orange	46385		0	Female	72		TAIL,,, NOSE
26-Sep-06	Yolanda	N	Applied	Orange	46386		0	Male	84		
26-Sep-06	Yolanda	N	Applied	Orange	46387		0	Male	69		
26-Sep-06	Virginia	N	Applied	Orange	46388		0	Female	76		
26-Sep-06	Virginia	N	Applied	Orange	46389		0	Female	67		NET MARKS - SCALE LOSS
26-Sep-06	Virginia	N	Applied	Orange	46390		0	Female	74.5		FINS DAM.
26-Sep-06	Virginia	N	Applied	Orange	46391		0	Male	96		LEFT GILL TORN
26-Sep-06	Virginia	N	Applied	Orange	46392		0	Male	84		
26-Sep-06	Virginia	N	Applied	Orange	46393		0	Female	72		RIGHT SCAR - DORSAL DAM.

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
26-Sep-06	Virginia	N	Applied	Orange	46394		0	Female	72		
26-Sep-06	Virginia	N	Applied	Orange	46395		0	Female	75.5		ANAL FIN TORN
26-Sep-06	Virginia	N	Applied	Orange	46396		0	Female	71		NET MARKS - DORSAL DAM.
26-Sep-06	Virginia	N	Applied	Orange	46397		0	Female	71.5		
26-Sep-06	Virginia	N	Applied	Orange	46398		0	Male	71.5		LEFT MOUTH DAM.
26-Sep-06	Virginia	N	Applied	Orange	46399		0	Female	76		
26-Sep-06	Virginia	N	Applied	Orange	46400		0	Male	81		
26-Sep-06	Virginia	N	Applied	Orange	46401		0	Male	87.5		MOUTH DAM - FINS TORN -
26-Sep-06	Virginia	N	Applied	Orange	46402		0	Male	87		LEFT GILL PLATE DAM.
26-Sep-06	Virginia	N	Applied	Orange	46403		0	Male	91		NET MARKS
26-Sep-06	Virginia	N	Applied	Orange	46404		0	Male	83		RIGHT GASH
26-Sep-06	Virginia	N	Applied	Orange	46405		0	Male	72.5		DORSAL DAM.
26-Sep-06	Virginia	N	Applied	Orange	46406		0	Female	85		
26-Sep-06	Virginia	N	Applied	Orange	46408		0	Male	72.5		SCLE LOSS- NET MARKS
26-Sep-06	Virginia	N	Applied	Orange	46411		0	Female	73		FINS TORN
26-Sep-06	Virginia	N	Applied	Orange	46412		0	Male	83		MOUTH TORN RIGHT
26-Sep-06	Virginia	N	Applied	Orange	46413		0	Female	81.5		
26-Sep-06	Virginia	N	Applied	Orange	46414		0	Female	75.5		SCALE LOSS-TAIL YELLOW -
26-Sep-06	Virginia	N	Applied	Orange	46415		0	Female	72.5		
26-Sep-06	Virginia	N	Applied	Orange	46416		0	Male	81		TAIL DAM.
26-Sep-06	Virginia	N	Applied	Orange	46417		0	Male	84.5		
26-Sep-06	Virginia	N	Applied	Orange	46418		0	Female	70		ANAL & TAIL DAMAGES
26-Sep-06	Virginia	N	Applied	Orange	46419		0	Male	78.5		NET MARKS
26-Sep-06	Virginia	N	Applied	Orange	46420		0	Female	62.5		NET MARKS
26-Sep-06	Virginia	N	Applied	Orange	46421		0	Male	81.5		LEFT - RIGHT SCARS
26-Sep-06	Virginia	N	Applied	Orange	46422		0	Male	71		
26-Sep-06	Virginia	N	Applied	Orange	46423		0	Male	78		
26-Sep-06	Virginia	N	Applied	Orange	46424		0	Male	92.5		ANAL FIN DAM.
26-Sep-06	Virginia	N	Applied	Orange	46425		0	Male	60.5		NET MARKS
26-Sep-06	Virginia	N	Applied	Orange	46426		0	Female	81		FINS TORN
26-Sep-06	Virginia	N	Applied	Orange	46427		0	Female	66		SCALE LOSS
26-Sep-06	Virginia	N	Applied	Orange	46428		0	Male	83		
26-Sep-06	Virginia	N	Applied	Orange	46429		0	Female	73.5		CLAW MARKS ON BOTH
26-Sep-06	Virginia	N	Applied	Orange	46430		0	Male	81		NET MARKS
26-Sep-06	Virginia	N	Applied	Orange	46431		0	Male	91		SCARS ON BOTH SIDES - GILL

Appendix 2. Steelhead data obtained by dipnetting. Data are sorted by date and applied tag number.

Date1	Crew	Harvested	Tag Status	Applied Color	Applied Tag #	Recaptured Color	Recaptured Tag #	Sex	Fork Length	Caudal Punch	Comments
26-Sep-06	Virginia	N	Applied	Orange	46432		0	Male	86		
26-Sep-06	Virginia	N	Applied	Orange	46433		0	Female	67.5		RIGHT MARKS
26-Sep-06	Virginia	N	Applied	Orange	46434		0	Female	71		
26-Sep-06	Virginia	N	Applied	Orange	46435		0	Female	92		NOSE DAM.
26-Sep-06	Yolanda	N	lost	Orange	46350		0	Female	73	Top	RETAGGED
26-Sep-06	Yolanda	N	lost	Orange	46357		0	Male	75	Top	
26-Sep-06	Virginia	N	lost	Orange	46407		0	Female	73		NOSE DAM.
26-Sep-06	Yolanda	N	Recaptured			Brown	24533	Female	66	Bottom	
26-Sep-06	Yolanda	N	Recaptured			Brown	24542	Female	71	Bottom	
26-Sep-06	Yolanda	N	Recaptured			Brown	24549	Male	89	Bottom	
26-Sep-06	Virginia	N	Recaptured			Grey	30073	Female	68	Bottom	LEFT GILL PLATE TORN
26-Sep-06	Yolanda	N	Recaptured			Grey	30772	Male	73	Bottom	
26-Sep-06	Virginia	N	Recaptured			Orange	44976	Male	79.5		HEAD DAM. - TAIL DAM.
26-Sep-06	Yolanda	N	Recaptured			Orange	45070	Male	87	Top	
26-Sep-06	Virginia	N	Recaptured			Orange	45205	Male	72.5		NET MARKS - FINS TORN.
26-Sep-06	Virginia	N	Recaptured			Orange	45258	Female	79.5	Bottom	MOE TAG
26-Sep-06	Yolanda	N	Recaptured			Orange	45259	Male	73	Bottom	
26-Sep-06	Virginia	N	Recaptured			Orange	45317	Male	76	Bottom	
26-Sep-06	Yolanda	N	Recaptured			Orange	45329	Male	64	Bottom	
26-Sep-06	Yolanda	N	Recaptured			Orange	45365	Female	84	Bottom	
26-Sep-06	Virginia	N	Recaptured			Orange	45436	Female	81.5	Bottom	MOE TAG - NOSE DAM.
26-Sep-06	Yolanda	N	Recaptured			Orange	45448	Male	70	Bottom	
26-Sep-06	Virginia	N	Recaptured			Orange	45624	Female	82	Top	MOE TAG - LEFT HEAD DAM.
26-Sep-06	Yolanda	N	Recaptured			Orange	45685	Male	84		FINS
26-Sep-06	Yolanda	N	Recaptured			Orange	45919	Male	75	Top	
26-Sep-06	Virginia	N	Recaptured			Orange	45937	Female	85	Top	MOE TAG - SCALE LOSS
26-Sep-06	Yolanda	N	Recaptured			yellow	12692	Male	87	N	

Appendix 3. Steelhead Recaptures obtained during the 2006 Moricetown tagging program.

Appendix 3. Steelhead recapture data obtained during the 2006 Moricetown tagging program. Data are sorted by tag colour and tag number.

Tag Colour	Tag Number	Tag origin	Tag Date	Recapture location	Recapture Date	Original Species id.	Recapture Species id.	Original sex id.	Recapture sex id.	Original FL	Recapture FL
blue	7018	Canyon	04-Aug-06	Canyon	18-Aug-06	Coho	Steelhead	Male	Female	57	58
brown	24501	Campground	13-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Male	75.5	75
brown	24505	Campground	13-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Male	64.5	65
brown	24533	Campground	14-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Female	67	66
brown	24538	Campground	14-Sep-06	Canyon	21-Sep-06	Steelhead	Steelhead	Female	Male	72.5	72
brown	24539	Campground	14-Sep-06	Island	22-Sep-06	Steelhead	Steelhead	Female	Female	75.5	73.5
brown	24542	Campground	14-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Female	71	71
brown	24543	Campground	14-Sep-06	Canyon	21-Sep-06	Steelhead	Steelhead	Male	Male	63.5	55.5
brown	24549	Island	14-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Male	Male	87	89
Grey	30751	Island	21-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Male	74	74
Grey	30772	Island	22-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Male	Male	73.5	73
Grey	30781	Island	22-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Female	68.5	69
Grey	33266	Campground	09-Aug-04	Canyon	29-Aug-06	Steelhead	Steelhead	Female	Female	68	75
Grey	33327	Campground	05-Aug-04	Canyon	11-Aug-06	Steelhead	Steelhead	Male	Male	53	72
Grey	33336	Island	14-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Male	84.5	86
Grey	33346	Island	14-Sep-06	Canyon	22-Sep-06	Steelhead	Steelhead	Female	Female	73.5	75
Grey	33520	Island	06-Sep-04	Canyon	28-Aug-06	Steelhead	Steelhead	Female	Female	74.5	83
Grey	33582	Campground	10-Sep-04	Campground	13-Sep-06	Steelhead	Steelhead	Female	Female	70	77
Grey	33610	Campground	28-Jul-05	Canyon	22-Sep-06	Steelhead	Steelhead	Female	Male	75.5	79
Lime	25624	Campground	29-Aug-06	Canyon	12-Sep-06	Coho	Steelhead	Female	Male	67.5	62
Lime	27424	Campground	06-Sep-06	Canyon	12-Sep-06	Coho	Steelhead	Female	Male	66	67
Orange	44019	Canyon	23-Aug-06	Canyon	13-Sep-06	Steelhead	Steelhead	Male	Male	71	71
Orange	44023	Canyon	24-Aug-06	Canyon	30-Aug-06	Steelhead	Steelhead	Female	Female	67	66
Orange	44092	Campground	22-Aug-06	Canyon	23-Aug-06	Steelhead	Steelhead	Male	Male	83	87
Orange	44093	Campground	22-Aug-06	Canyon	15-Sep-06	Steelhead	Steelhead	Male	Male	73	73
Orange	44105	Campground	17-Aug-06	Campground	25-Aug-06	Steelhead	Steelhead	Female	Female	64	64
Orange	44108	Campground	18-Aug-06	Canyon	22-Aug-06	Steelhead	Steelhead	Female	Male	72	72
Orange	44109	Campground	18-Aug-06	Canyon	21-Aug-06	Steelhead	Steelhead	Male	Male	74.5	74
Orange	44116	Campground	18-Aug-06	Canyon	23-Aug-06	Steelhead	Steelhead	Male	Male	71.5	72
Orange	44142	Canyon	22-Aug-06	Canyon	22-Aug-06	Steelhead	Steelhead	Female	Female	63	63
Orange	44142	Campground	16-Aug-06	Canyon	22-Aug-06	Steelhead	Steelhead	Female	Female	63	63
Orange	44145	Campground	16-Aug-06	Campground	13-Sep-06	Steelhead	Steelhead	Male	Male	73	72.5
Orange	44145	Campground	16-Aug-06	Campground	30-Aug-06	Steelhead	Steelhead	Male	Female	73	73
Orange	44148	Campground	16-Aug-06	Canyon	24-Aug-06	Steelhead	Steelhead	Female	Female	53	54
Orange	44151	Campground	22-Aug-06	Canyon	24-Aug-06	Steelhead	Steelhead	Female	Male	67.5	62

Appendix 3. Steelhead recapture data obtained during the 2006 Moricetown tagging program. Data are sorted by tag colour and tag number.

Tag Colour	Tag Number	Tag origin	Tag Date	Recapture location	Recapture Date	Original Species id.	Recapture Species id.	Original sex id.	Recapture sex id.	Original FL	Recapture FL
Orange	44164	Campground	24-Aug-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Female	76.5	76
Orange	44167	Campground	24-Aug-06	Canyon	14-Sep-06	Steelhead	Steelhead	Female	Female	68.5	68
Orange	44168	Campground	24-Aug-06	Canyon	08-Sep-06	Steelhead	Steelhead	Female	Female	68	69
Orange	44172	Campground	24-Aug-06	Canyon	21-Sep-06	Steelhead	Steelhead	Female	Male	72.5	71
Orange	44184	Campground	25-Aug-06	Campground	13-Sep-06	Steelhead	Steelhead	Female	Female	66	65
Orange	44197	Campground	30-Aug-06	Canyon	07-Sep-06	Steelhead	Steelhead	Male	Male	66	67
Orange	44199	Campground	30-Aug-06	Canyon	06-Sep-06	Steelhead	Steelhead	Female	Female	70	70
Orange	44214	Campground	25-Aug-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Female	83.5	85
Orange	44249	Campground	29-Aug-06	Campground	07-Sep-06	Steelhead	Steelhead	Female	Female	67	67
Orange	44279	Campground	05-Sep-06	Canyon	12-Sep-06	Steelhead	Steelhead	Female	Female	71.5	71.5
Orange	44304	Campground	29-Aug-06	Canyon	05-Sep-06	Steelhead	Steelhead	Male	Male	76.5	76
Orange	44304	Campground	29-Aug-06	Campground	24-Aug-06	Steelhead	Steelhead	Male	Male	76.5	84.5
Orange	44305	Campground	29-Aug-06	Canyon	06-Sep-06	Steelhead	Steelhead	Male	Male	70	70
Orange	44378	Canyon	25-Aug-06	Canyon	14-Sep-06	Steelhead	Steelhead	Female	Male	76	76
Orange	44400	Canyon	25-Aug-06	Island	21-Sep-06	Steelhead	Steelhead	Male	Female	74.5	74.5
Orange	44405	Canyon	25-Aug-06	Island	21-Sep-06	Steelhead	Steelhead	Male	Female	81	78
Orange	44448	Canyon	26-Aug-06	Campground	07-Sep-06	Steelhead	Steelhead	Female	Female	76	77
Orange	44468	Canyon	28-Aug-06	Canyon	20-Sep-06	Steelhead	Steelhead	Male	Male	83	83
Orange	44471	Canyon	28-Aug-06	Canyon	20-Sep-06	Steelhead	Steelhead	Male	Male	81	77
Orange	44501	Canyon	01-Aug-06	Canyon	14-Aug-06	Steelhead	Steelhead	Female	Female	73.5	73
Orange	44504	Canyon	03-Aug-06	Canyon	18-Aug-06	Steelhead	Steelhead	Male	Male	55.5	67
Orange	44505	Canyon	03-Aug-06	Canyon	17-Aug-06	Steelhead	Steelhead	Male	Male	70	68.5
Orange	44511	Canyon	03-Aug-06	Canyon	17-Aug-06	Steelhead	Steelhead	Male	Male	73.5	68.5
Orange	44611	Canyon	10-Aug-06	Canyon	25-Aug-06	Steelhead	Steelhead	Male	Male	71	70
Orange	44619	Canyon	10-Aug-06	Canyon	18-Aug-06	Steelhead	Steelhead	Female	Male	67	66
Orange	44628	Canyon	10-Aug-06	Campground	25-Aug-06	Steelhead	Steelhead	Male	Female	76	57
Orange	44641	Canyon	09-Aug-06	Canyon	23-Aug-06	Steelhead	Steelhead	Male	Male	76	75
Orange	44648	Canyon	09-Aug-06	Canyon	15-Aug-06	Steelhead	Steelhead	Female	Female	62	62
Orange	44651	Canyon	11-Aug-06	Canyon	18-Aug-06	Steelhead	Steelhead	Female	Male	69	68.5
Orange	44653	Canyon	11-Aug-06	Canyon	30-Aug-06	Steelhead	Steelhead	Male	Male	85	87
Orange	44660	Canyon	11-Aug-06	Canyon	18-Aug-06	Steelhead	Steelhead	Female	Female	63	61
Orange	44674	Canyon	14-Aug-06	Campground	25-Aug-06	Steelhead	Steelhead	Male	Female	50	52.5
Orange	44684	Canyon	14-Aug-06	Canyon	08-Sep-06	Steelhead	Steelhead	Male	Male	70	67
Orange	44698	Canyon	14-Aug-06	Campground	23-Aug-06	Steelhead	Steelhead	Female	Female	65	64
Orange	44712	Canyon	14-Aug-06	Campground	23-Aug-06	Steelhead	Steelhead	Female	Female	68	68

Appendix 3. Steelhead recapture data obtained during the 2006 Moricetown tagging program. Data are sorted by tag colour and tag number.

Tag Colour	Tag Number	Tag origin	Tag Date	Recapture location	Recapture Date	Original Species id.	Recapture Species id.	Original sex id.	Recapture sex id.	Original FL	Recapture FL
Orange	44730	Canyon	15-Aug-06	Canyon	06-Sep-06	Steelhead	Steelhead	Female	Female	69	68.5
Orange	44740	Canyon	15-Aug-06	Campground	23-Aug-06	Steelhead	Steelhead	Female	Female	67	67
Orange	44743	Canyon	15-Aug-06	Canyon	23-Aug-06	Steelhead	Steelhead	Female	Female	54	54.5
Orange	44763	Canyon	16-Aug-06	Campground	21-Aug-06	Steelhead	Steelhead	Male	Female	54	55
Orange	44770	Canyon	16-Aug-06	Campground	29-Aug-06	Steelhead	Steelhead	Female	Female	75	75
Orange	44804	Canyon	16-Aug-06	Campground	25-Aug-06	Steelhead	Steelhead	Female	Female	83	69
Orange	44809	Canyon	16-Aug-06	Campground	06-Sep-06	Steelhead	Steelhead	Male	Male	96	88
Orange	44809	Canyon	16-Aug-06	Canyon	06-Sep-06	Steelhead	Steelhead	Male	Male	96	95
Orange	44833	Canyon	17-Aug-06	Canyon	13-Sep-06	Steelhead	Steelhead	Female	Female	92	83
Orange	44837	Canyon	17-Aug-06	Canyon	05-Sep-06	Steelhead	Steelhead	Female	Male	50	55
Orange	44841	Canyon	17-Aug-06	Campground	18-Aug-06	Steelhead	Steelhead	Female	Female	70	69.5
Orange	44847	Canyon	18-Aug-06	Campground	31-Aug-06	Steelhead	Steelhead	Male	Female	65	65
Orange	44850	Canyon	18-Aug-06	Canyon	22-Aug-06	Steelhead	Steelhead	Male	Female	73.5	74
Orange	44890	Canyon	18-Aug-06	Canyon	31-Aug-06	Steelhead	Steelhead	Male	Male	70	70
Orange	44919	Canyon	21-Aug-06	Campground	21-Aug-06	Steelhead	Steelhead	Female	Female	61	61
Orange	44942	Canyon	21-Aug-06	Canyon	20-Sep-06	Steelhead	Steelhead	Male	Female	69	69
Orange	44969	Canyon	22-Aug-06	Campground	13-Sep-06	Steelhead	Steelhead	Female	Male	75	73.5
Orange	44969	Canyon	22-Aug-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Male	75	73
Orange	44974	Canyon	22-Aug-06	Canyon	14-Sep-06	Steelhead	Steelhead	Male	Male	76	74
Orange	44976	Canyon	22-Aug-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Male	80	79.5
Orange	44978	Canyon	22-Aug-06	Campground	29-Aug-06	Steelhead	Steelhead	Female	Female	65	65
Orange	44999	Canyon	23-Aug-06	Canyon	24-Aug-06	Steelhead	Steelhead	Female	Male	67	
Orange	45053	Canyon	29-Aug-06	Canyon	20-Sep-06	Steelhead	Steelhead	Female	Male	82	82
Orange	45070	Canyon	29-Aug-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Male	89	87
Orange	45076	Canyon	29-Aug-06	Canyon	10-Sep-06	Steelhead	Steelhead	Male	Female	59	60
Orange	45092	Canyon	29-Aug-06	Campground	31-Aug-06	Steelhead	Steelhead	Female	Female	68	66
Orange	45122	Canyon	30-Aug-06	Campground	30-Aug-06	Steelhead	Steelhead	Male	Male	68	67.5
Orange	45130	Canyon	30-Aug-06	Campground	30-Aug-06	Steelhead	Steelhead	Male	Male	77	77
Orange	45137	Canyon	30-Aug-06	Campground	30-Aug-06	Steelhead	Steelhead	Female	Female	68	69
Orange	45145	Canyon	30-Aug-06	Island	21-Sep-06	Steelhead	Steelhead	Male	Male	58	59
Orange	45158	Canyon	31-Aug-06	Canyon	20-Sep-06	Steelhead	Steelhead	Male	Male	71	70
Orange	45159	Canyon	31-Aug-06	Campground	05-Sep-06	Steelhead	Steelhead	Male	Female	67.5	67.5
Orange	45171	Canyon	31-Aug-06	Canyon	01-Sep-06	Steelhead	Steelhead	Female	Male	82	63
Orange	45198	Canyon	01-Sep-06	Canyon	21-Sep-06	Steelhead	Steelhead	Male	Male	91	90
Orange	45205	Canyon	01-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Male	Male	71	72.5

Appendix 3. Steelhead recapture data obtained during the 2006 Moricetown tagging program. Data are sorted by tag colour and tag number.

Tag Colour	Tag Number	Tag origin	Tag Date	Recapture location	Recapture Date	Original Species id.	Recapture Species id.	Original sex id.	Recapture sex id.	Original FL	Recapture FL
Orange	45258	Campground	12-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Female	79	79.5
Orange	45259	Campground	12-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Male	Male	74	73
Orange	45261	Campground	12-Sep-06	Canyon	19-Sep-06	Steelhead	Steelhead	Male	Male	77	76.5
Orange	45267	Campground	12-Sep-06	Canyon	21-Sep-06	Steelhead	Steelhead	Female	Male	71	72
Orange	45274	Campground	13-Sep-06	Canyon	21-Sep-06	Steelhead	Steelhead	Female	Female	83.5	84
Orange	45292	Campground	13-Sep-06	Canyon	21-Sep-06	Steelhead	Steelhead	Female	Female	68.5	68
Orange	45300	Campground	13-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Female	72	72
Orange	45317	Campground	06-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Male	Male	77	76
Orange	45319	Campground	06-Sep-06	Canyon	14-Sep-06	Steelhead	Steelhead	Male	Female	77	94.5
Orange	45321	Campground	06-Sep-06	Canyon	22-Sep-06	Steelhead	Steelhead	Male	Male	87	88
Orange	45329	Campground	07-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Male	64	64
Orange	45334	Campground	07-Sep-06	Canyon	10-Sep-06	Steelhead	Steelhead	Female	Female	63	64
Orange	45335	Campground	07-Sep-06	Canyon	20-Sep-06	Steelhead	Steelhead	Female	Male	82.5	84
Orange	45336	Campground	07-Sep-06	Canyon	20-Sep-06	Steelhead	Steelhead	Female	Female	72.5	72
Orange	45341	Campground	07-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Female	68.5	68
Orange	45345	Campground	07-Sep-06	Canyon	12-Sep-06	Steelhead	Steelhead	Male	Male	55	54.5
Orange	45348	Campground	07-Sep-06	Canyon	20-Sep-06	Steelhead	Steelhead	Female	Female	67	66
Orange	45356	Campground	07-Sep-06	Island	21-Sep-06	Steelhead	Steelhead	Male	Male	88	85
Orange	45365	Campground	08-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Female	86	84
Orange	45376	Campground	08-Sep-06	Canyon	20-Sep-06	Steelhead	Steelhead	Male	Male	70	69
Orange	45380	Campground	08-Sep-06	Canyon	14-Sep-06	Steelhead	Steelhead	Male	Male	83.5	84.5
Orange	45407	Campground	31-Aug-06	Canyon	19-Sep-06	Steelhead	Steelhead	Female	Female	74.5	75
Orange	45409	Campground	31-Aug-06	Campground	14-Sep-06	Steelhead	Steelhead	Female	Female	67.5	68
Orange	45414	Campground	31-Aug-06	Campground	08-Sep-06	Steelhead	Steelhead	Female	Female	72	71.5
Orange	45422	Campground	31-Aug-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Female	66	66
Orange	45424	Campground	31-Aug-06	Canyon	08-Sep-06	Steelhead	Steelhead	Female	Male	76	96
Orange	45426	Campground	31-Aug-06	Campground	14-Sep-06	Steelhead	Steelhead	Female	Male	74.5	75
Orange	45432	Campground	31-Aug-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Female	67	67
Orange	45436	Campground	31-Aug-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Female	83	81.5
Orange	45448	Campground	01-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Male	Male	70	70
Orange	45464	Campground	30-Aug-06	Campground	14-Sep-06	Steelhead	Steelhead	Female	Female	80	75.5
Orange	45468	Campground	30-Aug-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Female	76	76
Orange	45475	Campground	30-Aug-06	Canyon	13-Sep-06	Steelhead	Steelhead	Female	Male	60	60
Orange	45486	Campground	30-Aug-06	Canyon	08-Sep-06	Steelhead	Steelhead	Male	Female	69	68.5
Orange	45503	Canyon	30-Aug-06	Campground	12-Sep-06	Steelhead	Steelhead	Male	Female	54	63.5

Appendix 3. Steelhead recapture data obtained during the 2006 Moricetown tagging program. Data are sorted by tag colour and tag number.

Tag Colour	Tag Number	Tag origin	Tag Date	Recapture location	Recapture Date	Original Species id.	Recapture Species id.	Original sex id.	Recapture sex id.	Original FL	Recapture FL
Orange	45523	Canyon	31-Aug-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Female	80	83.5
Orange	45551	Canyon	31-Aug-06	Campground	15-Sep-06	Steelhead	Steelhead	Female	Male	73	73
Orange	45551	Canyon	31-Aug-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Male	73	72
Orange	45553	Canyon	05-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Male	71	71
Orange	45583	Canyon	05-Sep-06	Campground	05-Sep-06	Steelhead	Steelhead	Female	Female	60	60
Orange	45584	Canyon	05-Sep-06	Canyon	14-Sep-06	Steelhead	Steelhead	Male	Female	80	77
Orange	45614	Canyon	06-Sep-06	Island	21-Sep-06	Steelhead	Steelhead	Male	Male	86	81.5
Orange	45624	Canyon	06-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Female	78	82
Orange	45685	Canyon	07-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Male	Male	86	84
Orange	45697	Canyon	08-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Female	69	69
Orange	45705	Canyon	08-Sep-06	Campground	08-Sep-06	Steelhead	Steelhead	Female	Female	73	72
Orange	45720	Canyon	08-Sep-06	Campground	11-Sep-06	Steelhead	Steelhead	Female	Female	70	69.5
Orange	45729	Canyon	08-Sep-06	Canyon	08-Sep-06	Steelhead	Steelhead	Female	Female	70	71
Orange	45732	Canyon	08-Sep-06	Canyon	22-Sep-06	Steelhead	Steelhead	Male	Male	72	71
Orange	45740	Canyon	08-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Female	82	80
Orange	45886	Canyon	18-Sep-06	Canyon	18-Sep-06	Steelhead	Steelhead	Male	Male	71	71
Orange	45919	Canyon	19-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Female	Male	75.5	75
Orange	45937	Canyon	20-Sep-06	Canyon	26-Sep-06	Steelhead	Steelhead	Male	Female	84	85
Orange	45960	Canyon	20-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Male	70	70
Orange	45971	Canyon	20-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Male	63	63
Orange	46000	Canyon	20-Sep-06	Canyon	20-Sep-06	Steelhead	Steelhead	Male	Male	71	71
Orange	46194	Canyon	25-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Male	80	81
Orange	64160	Campground	27-Jul-06	Canyon	04-Aug-06	Sockeye	Steelhead	Female	Female	54	65
Orange	64602	Island	14-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Male	83.5	84
Orange	64603	Island	14-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Female	69.5	70
Orange	64622	Campground	15-Sep-06	Canyon	20-Sep-06	Steelhead	Steelhead	Female	Female	61	61
Orange	64630	Campground	15-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Female	83.5	84
Orange	64650	Campground	18-Sep-06	Canyon	25-Sep-06	Steelhead	Steelhead	Male	Male	81.5	82
Orange	65093	Campground	02-Aug-06	Canyon	04-Aug-06	Sockeye	Steelhead	Female	Male	54	54
Red	2135	Campground	14-Sep-06	Canyon	21-Sep-06	Coho	Steelhead	Female	Female	51	49
White	14605	Canyon	20-Jul-04	Canyon	07-Aug-06	Steelhead	Steelhead	Female	Male	81	85
White	14759	Campground	09-Aug-04	Canyon	21-Aug-06	Steelhead	Steelhead	Female	Female	72	85
White	14765	Canyon	09-Aug-04	Canyon	09-Aug-06	Steelhead	Steelhead	Female	Male	68	78
White	14926	Canyon	11-Aug-04	Canyon	29-Aug-06	Steelhead	Steelhead	Female	Male	67	69
White	14986	Canyon	12-Aug-04	Canyon	28-Aug-06	Steelhead	Steelhead	Female	Female	75	79

Appendix 3. Steelhead recapture data obtained during the 2006 Moricetown tagging program. Data are sorted by tag colour and tag number.

Tag Colour	Tag Number	Tag origin	Tag Date	Recapture location	Recapture Date	Original Species id.	Recapture Species id.	Original sex id.	Recapture sex id.	Original FL	Recapture FL
White	15047	Canyon	13-Aug-04	Canyon	29-Aug-06	Steelhead	Steelhead	Female	Male	56.5	71
White	15106	Canyon	19-Aug-04	Canyon	13-Sep-06	Steelhead	Steelhead	Female	Female	73	87
White	15116	Canyon	19-Aug-04	Campground	18-Aug-06	Steelhead	Steelhead	Female	Female	65	72
White	15281	Canyon	17-Aug-04	Samp	12-Sep-06	Steelhead	Steelhead	Female	Female	53	65
White	15311	Canyon	18-Aug-04	Canyon	12-Sep-06	Steelhead	Steelhead	Female	Female	59	73
White	15335	Canyon	18-Aug-04	Canyon	21-Aug-06	Steelhead	Steelhead	Female	Male	66	74
White	15347	Canyon	14-Aug-04	Canyon	18-Aug-06	Steelhead	Steelhead	Female	Female	70	77
White	15426	Canyon	20-Aug-04	Canyon	25-Aug-06	Steelhead	Steelhead	Female	Female	55	66
White	15461	Canyon	19-Aug-04	Canyon	25-Sep-06	Steelhead	Steelhead	Female	Male	77.5	84
White	15477	Canyon	19-Aug-04	Canyon	22-Aug-06	Steelhead	Steelhead	Female	Male	60.5	65
White	15605	Canyon	31-Aug-04	Canyon	20-Sep-06	Steelhead	Steelhead	Female	Male	79.5	75
White	15686	Canyon	13-Sep-04	Canyon	21-Sep-06	Steelhead	Steelhead	Male	Female	73	85
White	15580	Canyon	30-Aug-04	Canyon	22-Sep-06	Steelhead	Steelhead	Female	Female	82	87
White	15586	Canyon	31-Aug-04	Campground	13-Sep-06	Steelhead	Steelhead	Female	Female	72	80
White	15609	Canyon	31-Aug-04	Canyon	01-Sep-06	Steelhead	Steelhead	Female	Male	72	64
White	15686	Canyon	03-Sep-04	Campground	13-Sep-06	Steelhead	Steelhead	Male	Male	73	82
White	15693	Canyon	07-Sep-04	Canyon	24-Aug-06	Steelhead	Steelhead	Female	Male	68	78
White	15704	Canyon	07-Aug-04	Canyon	18-Aug-06	Steelhead	Steelhead	Female	Male	52	66
White	15765	Canyon	10-Sep-04	Canyon	15-Sep-06	Steelhead	Steelhead	Female	Female	74	82
White	15771	Canyon	10-Sep-04	Campground	06-Sep-06	Steelhead	Steelhead	Male	Female	67	76
White	40229	Canyon	27-Aug-04	Canyon	22-Sep-06	Steelhead	Steelhead	Female	Female	65.5	73
White	40032	Canyon	23-Aug-04	Campground	09-Aug-06	Steelhead	Steelhead	Female	Male	58	72
White	40068	Canyon	24-Aug-04	Canyon	24-Aug-06	Steelhead	Steelhead	Female	Female	72.5	80
Whitw	40139	Canyon	26-Aug-04	Canyon	22-Aug-06	Steelhead	Steelhead	Female	Male	53.5	55
Yellow	93231	Canyon	07-Aug-06	Campground	16-Aug-06	Sockeye	Steelhead	Male	Male	55	54

Appendix 4. Breakdown of mark-recapture data for calculation of the Schaeffer estimate

Appendix 4. Summary of mark-recapture data used for the Steelhead Schaeffer estimate.

2006 steelhead

	7		Col 1	Col 2	Col 3	Col 4	Col 5	Col 6	Col 7
row 1	12		0	0	0	0	0	0	0
row 2	29		0	0	5	0	0	0	0
row 3	61		0	0	2	0	1	2	3
row 4	120		0	0	0	0	6	1	6
row 5	106		0	0	0	0	1	4	9
row 6	157		0	0	0	0	0	0	20
row 7	64		0	0	0	0	0	0	4
			133	172	191	279	205	106	614

Row and column numbers refer to weeks in the study;

5% tag loss was applied to the data.

```

>>>2006 data 5% tag loss - Chi-square Test Statistics

Complete Mixing : 2.48 (5 df)
Significance... 0.78
Equal Proportions: 31.93 (3 df)
Significance... 0.00
> End of Pooling Tests

>> ML Darroch Estimate

Total Number of iterations is 5 (Max iterations is 25 )
Estimate (std. err) : 14282.85 ( 2799.96)
Log likelihood : 1629.28

95 % normal C I : ( 8794.94, 19770.76)
G-square : 2.19 (2 df)
Significance : 0.34
Chi-square : 1.99 (2 df)
Significance... 0.37

> Table of Stratum Estimates & Predicted counts N(recap), m(cap,rec), u(rec)

      1&2&3    4&5    6    7    Unseen
1&2    4.99    0.00    0.00    0.00    33.96
3      2.01    1.00    2.00    3.01    49.93
4      0.00    6.00    1.00    6.00   101.00
5      0.00    1.00    4.00    8.99    86.72
6      0.00    0.00    0.00   17.06   132.14
7      0.00    0.00    0.00    6.95    53.85

Stratum Si  3868.42  4715.31  327.99  5371.13
    
```