Enumeration of Juvenile and Adult Coho Salmon at Black Creek, Vancouver Island, 2010

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ENUMERATION OF JUVENILE AND ADULT COHO SALMON AT BLACK CREEK, VANCOUVER ISLAND, 2010

by

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ABSTRACT

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The juvenile counting fence on Black Creek was in operation between April 10th and June 9th, 2010, to enumerate and tag juvenile Coho smolt out-migration. During the spring program, a total of 22, 754 smolts were captured and sampled. Of the captured, 6,893 (30%) smolts were successfully coded-wire tagged and released. However, after factoring for short-term tag loss of 0.5%, 6,852 were effectively tagged. The out-migration was composed of 84% age 1.0 smolts and 16% age 2.0 smolts. The adult fence was in operation from October 10th to November 12th, and spawn surveys were conducted from November 8th to December 7th. A total of 3,651 large adult Coho were enumerated through the fence (male to female ratios of 1:1.2) of which 2,212 were tagged for mark-recovery escapement estimation. 1,062 jacks were enumerated. Coded-wire tags were detected in 167 adults and 73 jacks, indicating a low detection rate (8.2%). The single-census Petersen mark-recapture population estimate for adult Coho was 3,952 ±184 fish. The mode of the Bayesian population estimate for adult Coho escapement was 4,050, with a 95% highest probability density of 3,758 – 4,444. Exploitation rate was assumed to be equivalent to the aggregated estimate derived elsewhere for Vancouver Island Georgia Strait Coho: 6.46%. Marine survival was estimated to be 1.89% for Black Creek adult Coho, a decrease from 2009 (3.40%).

RESUMÉ

Campbell, K., Van Will, P., Stiff, H.W., Nagtegaal, D., Miyagi, E. et Duncan, K. 2013. Dénombrement des saumons coho juvéniles et adultes du ruisseau Black, sur l'île de Vancouver, 2010. Rapp. man. can. sci. halieut. aquat. 2985 : viii + 160 p.

La barrière de dénombrement de juvéniles du ruisseau Black a été utilisée du 10 avril au 9 juin 2010 pour dénombrer et marquer des saumoneaux coho en dévalaison. Pendant le programme printanier, un total de 22 754 saumoneaux ont été capturés et échantillonnés. On a réussi à installer des micromarques magnétisées codées sur 6 893 (30 %) des saumoneaux capturés et à les remettre en liberté. Toutefois, en tenant pour acquis que 0,5 % des micromarques sont perdues à court terme, on considère que 6 852 poissons ont été marqués avec succès. Le groupe migratoire était composé de 84 % de saumoneaux d'âge 1 et de 16 % de saumoneaux d'âge 2. La barrière de dénombrement des adultes a été utilisée du 10 octobre au 12 novembre, et des relevés des pontes ont été effectués du 8 novembre au 7 décembre. On a dénombré un total de 3 651 saumons coho adultes de grande taille ayant passé par la barrière (ratio mâles-femelles de 1:1,2), dont 2 212 ont été marqués aux fins de l'estimation de l'échappée par marquage-recapture. On a dénombré 1 062 unibermarins. On a détecté des micromarques magnétisées codées sur 167 adultes et 73 unibermarins, ce qui représente un faible taux de détection (8,2 %). L'estimation du nombre de cohos adultes par recensement unique (méthode Peterson) par marquage-recapture était de 3 952 ± 184 poissons. Le mode de l'estimation bayésienne de l'échappée pour les cohos adultes était de 4 050, et la densité de la probabilité la plus élevée de 95 % était de 3 758 à 4 444. Le taux d'exploitation était présumé équivalent à l'estimation globale dérivée d'un autre endroit pour les saumons coho provenant du détroit de Georgia (île de Vancouver), c'est-à-dire 6,46 %. Le taux de survie en mer des saumons coho adultes du ruisseau Black a été estimé à 1,89 %, ce qui représente une diminution par rapport à 2009 (3,40 %).

INTRODUCTION

This report documents the 2010 smolt and adult enumeration programs for Coho salmon (*Oncorhynchus kisutch*) at the Black Creek fence. Both enumeration programs are based on sampling conducted at the permanent fence site located 100 m upstream of tidal influence, about 40 m downstream from Seaview Road in Miracle Beach Provincial Park. A series of projects have been conducted sporadically at this location since 1968 (Baillie, Simpson & Taylor 2004) and an uninterrupted data set has been compiled, under the present program, since 1984. In addition to Coho, Black Creek supports populations of coastal cutthroat trout (*O. clarki*), and rainbow trout (*O. mykiss*).

The spring program is designed to assess the out-migration of Coho smolts with respect to numbers, size and age composition, and migration timing. Coded-wire tags (CWTs) are implanted in smolts during specific periods throughout the migration.

Adult Coho returning in the fall are counted at the same location utilizing a modified fence configuration. The general structure has been described by Baillie et al. (2004). Modifications were made in 2001, replacing the steel panels with aluminium grates and extending the cat-walk for a further 1.5 m beyond the downstream edge of the concrete sill. The traps were also modified to incorporate an adjustable height exit at the upstream end, through which fish could be counted into the system during flooding, eliminating the necessity to net each one. Each exit features a right-angle aluminium plate, leading upstream, to increase the visibility of fish and counting accuracy under turbid flows. In 2003, the fence centre panels were cut in half lengthways and Teflon runners were attached along the contact edge with the A-frame, to facilitate removal during high water events.

Spawners counted through the fence are enumerated by sex, and sampled for length, age and maturity. Carcasses are sampled and heads are recovered from coded-wire tagged fish. Since 1984, mark-recapture has been the primary method of escapement estimation, with marking conducted at the fence and recovery surveys conducted at up to 15 upstream sites.

Recoveries of coded wire tagged Coho in the escapement are used with catch recoveries and release data to estimate ocean survival and exploitation rates. The utility of the data depends on long-term monitoring of escapements, smolt abundances, survivals, catches, exploitations and escapements. Data from the project, along with other sources, is used to predict Coho returns, ocean survival and migration patterns for the south coast of British Columbia.

STUDY AREA

Black Creek is a moderately sized coastal stream located 30 km north of Courtenay, on the east coast of Vancouver Island. It is approximately 31 km long and flows into the Strait of Georgia at Elma Bay (Figure 1). The watershed area is approximately 81 km^2 (Brown, Barton & Langford 1996) and predominantly comprised of agricultural lands with forested areas in the upper catchment. Lower in the watershed, small lakes, of which Northy Lake is the largest, beaver ponds, and swampy areas are distributed among the stream reaches (**Figure 2**). These areas contribute to the characteristic humic stained flows in the lower sections via a number of tributaries, the largest being Millar Creek. Discharge is largely dependent on rainfall; irrigation and drainage projects have reduced already low summer flows in Black Creek, such that, in summer, some sections of the creek are dry. In contrast, fall freshets can result in a discharge of up to 60 m^3/s (Labelle 1990). Once the storage capacity of the watershed is reached, the creek responds rapidly to rainfall, and prolonged flood events tend to be the norm.

METHODS

PHYSICAL OBSERVATIONS

General weather observations were made daily and recorded as subjective comments on rainfall, cloud cover and wind strength. Measurements of river height were normally made each day at about 9:00 a.m. Water level was recorded from a staff gauge (± 5 mm) located approximately 250 m upstream of the fence. Minimum, mean, and maximum daily water temperature were calculated based on hourly samples downloaded from a Tidbit temperature datalogger (No. 879280) installed upstream of the fence site.

SMOLT OPERATIONS

The basic sampling and tagging procedures resembled other years of the program. Weekly duties were divided into two days coded-wire tagging and five days enumerating only. The trap was installed on April 10th and maintained until June 9th. Catches from the previous day were removed from the holding boxes at about 9:00 am and sorted into buckets, by species. All sampling and tagging was performed on anaesthetized smolts using tricaine methane sulphonate (MS-222) as the anaesthetic.

Random length samples were collected by measuring, approximately, every 10th Coho smolt on days when coded wire tags (CWTs) were applied. The length-weight relationship for Coho smolts was derived based on the power function:

Equation 1 $W = a * L^{b}$

where W = weight in grams and L is fork length in millimeters. Condition factor (K) was calculated for each smolt as a measure of the fish's degree of well-being or robustness (Williams 2000), as:

Equation 2 $K = 100{,}000\ W / L^{3}$

Data collection to determine the age structure of the population was divided into three periods: April 13th to May 4th, May 5th to May 24th, May 25th to June 11th. During each sample period a scale smear was taken from up to 10 Coho smolts per 5 mm length group. Age determinations were performed by the Fish Ageing Unit at the Pacific Biological Station in Nanaimo, BC. The age composition of smolts was calculated for each of the four sampling periods after Ketchen's stratified sub-sampling method (Ricker 1975).

Smolts were injected with a CWT, which was applied with either a MK II or a MK IV Tagging Unit (Northwest Marine Technologies, Shaw Island, WA 98286). Tagged Coho were placed into a floating holding box to recover from the operation, and released periodically through the day. Untagged Coho (no tag detection by hand-held wand) were re-tagged. Moribund fish were released untagged. Two short-term tag retention tests were conducted (April 29th, and May 15th) to estimate the number of CWT'd Coho smolts that lost their tag in the first 24 hours.

While Coho fry (which are not consistently captured by the screen size used in traps and panels) and other salmonids were enumerated at the counting fence, meristics data were not collected this year. Non-salmonids were enumerated by species.

ADULT OPERATIONS

Adult Enumeration and Sampling

The counting fence was installed on October 10th and operational until closure on November 12th.

The fence traps were inspected at 8 a.m., and periodically through the day as warranted by fish movement. Individual fish were netted from the trap and sampled for fork length (± 5 mm), sex (female, adult male or jack) and the presence of fin clips or external marks, including hook scars and severe injuries. Weights were not recorded. The presence of a CWT in fin-clipped Coho was verified with a Northwest Marine Technology wand tag detector. Fish condition was assessed using the subjective categories of:

1. Silver (no spawning colour or characteristic morphological changes commonly associated with spawning Coho);
2. Green (some darkening of body colour but little morphological change);
3. Mature (colour and morphological characteristics of a spawning Coho but eggs or sperm not easily expelled); and
4. Ripe (similar to a mature fish, except, eggs and sperm readily expelled with little or no force).

Jack Coho were defined as those male fish with a fork length of less than 44 cm, although this category may include some small adults. Weights were not measured in 2010. Other salmonid species encountered at the fence were identified.

Mark-Recapture

Adult Coho were tagged with a numbered, clear T-bar anchor tag (TBA-2, 2 in., Hallmark Pty Ltd., South Australia, 5211). Tags were inserted into the dorsal musculature on the left side of the dorsal fin, between the anterior pterygiophores. A 7 mm hole was punched in the left operculum of each tagged fish. Short-term tag mortality was assessed by retaining five tagged adults in the adult trap box for 24 hours.

Recoveries of marked and unmarked Coho were conducted throughout 8 reaches (Figure 2) during spawning ground surveys between November 8th and December 7th. All fish encountered were checked for marks. Recoveries were classified as untagged, tagged (T-bar tag), or lost tag (opercular punch but no tag). Tag numbers were noted, as were other marks such as adipose clips present or unknown due to the condition of the fish. The heads from carcasses that gave a positive response when tested for the presence of a CWT were preserved for analysis.

DATA ANALYSIS

Escapement Estimation

Coho escapement population estimates *N* and variance were derived from single-census Petersen mark-recapture methods (Ricker 1975), using both the bias-corrected hypergeometric estimator and the direct binomial estimator for small samples without replacement. The former was calculated as:

Equation 3 $$N = ((M+1) * (C+1) / (R+1)) - 1$$

Where *M* is the number of marks applied, *C* is the number of fish recovered, and *R* is the number of marks in the total fish recovered. The variance of this estimate was calculated from:

Equation 4 $\text{Var}(N) = (M+1) * (C+1) * (M-R) * (C-R) / ((R+1)^2 * (R+2))$

The binomial estimator can be calculated as:

Equation 5 $N = ((M * (C+1) / (R+1))$

with variance:

Equation 6 $\text{Var}(N) = M^2 * (C+1) * (C-R) / ((R+1)^2 * (R+2))$

Additional estimates for Coho adults and adults + jacks populations were derived from temporal sub-sets of the mark-recapture data using the sequential Bayesian approach (Gazey & Staley 1986). This method has been used in a majority of previous studies to account for under-reporting of tags in visual surveys and to eliminate tag loss corrections (Taylor, Baillie & Simpson 2006). It determines the posterior distribution of probabilities associated with population size from the joint probabilities of mark recovery rates. Calculated population parameters include the mode, a maximum likelihood estimate of the sampling distribution, and the 95% highest probability density (HPD). It should be noted that, while the HPD has equivalence to a confidence interval, it forms a direct probability statement about population size (Gazey & Staley 1986). The mode is reported as a single value which denotes that each integer between the population bounds has been evaluated.

Exploitation Rate

The percent exploitation rate (*ER*) of adult Black Creek Coho is calculated as:

Equation 7 $ER = 100\ C / (C + M + E)$

where *C* is the estimated fishing mortality, *M* is the known pre-spawn natural mortality, and *E* is the adult escapement.

Marine Survival

Percent marine survival rate (*S*), is calculated as:

Equation 8 $S = 100\ (C + M + E) / R$

where *C* is the estimated fishing mortality, *M* is the pre-spawn natural mortalities, *E* is the tagged adult escapement, and *R* is the number of tagged smolts in 2009, corrected for long-term tag loss.

RESULTS

JUVENILE ENUMERATION

Environmental Conditions

The smolt fence was operational from April 10th to June 9th, 2010. Through April and mid-May the water level generally decreased until May 18th. However there were was a slight increase and fluctuations in flow during the first peak out migration that occurred on April 27th to May 9th. After May 18th the flow generally increased coinciding with the second peak out migration period from May 20th through May 26th.

Daily air temperature averaged 11.1°C ± 2.2°C (range 6.7°C to 16.0°C) during the smolt migration period (**Table 1**, Appendix A). The average daily water temperature was 10.8°C ±

1.7°C (range 6.4°C to 13.8°C).

Fence Counts

Smolt out-migration began in mid-April, with peak daily migration occurring on April 29th (1629 smolts). 59% of the smolt migration occurred between April 27th and May 9th (**Figure 4**) with an average of 1031 per day (Appendix B)[1]. A total of 22,754 Coho smolts were enumerated. 1021 Coho fry were also enumerated.

Smolt Aging

405 smolts were scale-sampled for aging, including 146 in Period 1, 192 in Period 2, 67 in Period 3 (Appendix D). Of the 327 fully-aged scales, 84% were from brood year 2008 (age 1.0) and 16% were from brood year 2007 (age 2.0) (Table 2). For 61 partially-aged scales, the marine annulus was undetectable, and of 13 unreadable scales, 10 were due to the scales mounted upside down (**Table 3**). As usual for Black Creek, Age 1.0 (2_2 Gilbert-Rich) smolts predominated throughout the out-migration period. The contribution of age 2.0 were greater than 2009 but still significantly less than the previous year (2008) where age 2.0 (3_3 Gilbert-Rich) contributed 25% of the fully aged (Table 4).

Smolt Size

A total of 1698 smolts were measured for fork length and fresh weight (Appendix E). Length frequency data indicate a right skewed modal peak at 90-104. The right tail is due to the small amount of age 2.0 fish (Table 6, Figure 5).

Mean Coho smolt fork length for all periods was 119.2 ± 18.8 mm (range 70 – 210 mm) (Table 7). Mean smolt weight was 18.7 ± 9.6 g (range 5.6 – 82.3 g). Average length of smolts declined from Period 1 to Period 3, from 129.8 ± 19.8 mm to 103.7 ± 10.6 mm, as did average weight (Table 7). Periods 1, 2 and 3 had similar average condition factor (0.99, 1.11 and 1.08) (Appendix E).

The length/weight relationship (Figure 6) for measured Coho smolts was:

$$\textit{Weight}\ (g) = 0.0000789 * \textit{Length}\ (mm)^{2.5741} \quad (r^2=0.84, n=1698)$$

CWT Tagging

Coded-wire tagging procedures resulted in a total of 6,893 successfully coded-wire tagged smolts, representing 30% of the out-migration (Table 8).

Pre-sample mortalities (41 fish) affected <0.1% of the total catch. There were 6 tagging mortalities, representing <0.1% of the tagged fish (Table 8).

The short-term 24-hour tag loss rate was estimated at 0.5%, based on four retention tests in which 2 of 409 tagged smolts that did not retain their CWTs (Table 8). Factoring the number of CWT'd smolts by the short-term tag loss percentage resulted in 6,852 effectively tagged smolts.

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[1] Daily counts of non-Coho species through the smolt fence are listed in Appendix C. Coastal cutthroat trout (*O. clarki*) numbered 831 (was not specified if adult or juvenile). Pacific lamprey (*Lampetra tridentatus*) were considerably less numerous than other years with only 8 enumerated at the fence, as well as 34 sculpins (*Cottus asper or C. aleuticus*).

ADULT ENUMERATION

Environmental Conditions

The adult counting fence was installed and operational from October 10th to November 12th (Appendix F). The adult Coho migration was punctuated by 3 peak migration events. The first occurred on October 10th at the beginning of the adult enumeration. Water levels at this time were 75 cm. Black Creek water level then continued to drop and remain below 75 cm, dropping to a low of 51 cm. The second peak migration occurred with rising waters beginning on October 24th (98cm). The second peak occurred on October 25th (455 fish) which was consistent with continued high water flow from October 24th to November 4th (range 98-156 cm). The third peak migration (204 fish) occurred during the highest flows (146-156 cm) on November 1st and 2nd with 371 Coho passing through the fence over those 2 days. Flooding events led to water flows that often breached the fence from November 1st until November 12th (Figure 7). After the 3rd migration peak, the amount of adult migrants dropped dramatically until the end of operation on November 12th. However, it is uncertain how many Coho may have migrated upstream during this time due to flood events.

Spot air temperatures varied from 1 to 11ºC (mean 6.7ºC), though spot water temperatures remained above 6ºC, and averaged about 9.0ºC during the migratory period (Figure 7).

Biological Sampling

A total of 4,713 Coho consisting 3,651 adults and 1,062 jacks were counted. A total of 3,145 adults were sampled, of which 2,212 were marked at the fence between October 10 and November 12 (Table 9).

Fish Condition

The majority of Coho returns that were assessed were silver (62%). Fish assessed as green made up 37% and 1% was classified as mature (Table 10). 1587 fish were not assessed for maturity (229 jacks, 1,358 adults).

Sex Composition

The tally of 1,052 males (45%) and 1,292 females (55%) yielded a male-to-female sex ratio of 1:1.2 at the fence (Table 10).

Age Composition

A total of 259 Coho were sampled for scales at the counting fence (Table 11). Of that number, only 150 were successfully aged. 96% of aged fish were 1.1 (Gilbert-Rich age 3_2) from brood year 2007, and 4% were age 2.1 (Gilbert-Rich age 4_3) from brood 2006. For 86 scales the freshwater annulus could not be distinguished and all fish were classified as M1 (1 marine annulus). Of 108 unreadable scales, 19 were placed upside down.

Age and Sex Composition

All 150 successfully aged fish were sexed. Age 1.1 (Gilbert-Rich age 3_2) females and males comprised of 53% and 43% of the samples, respectively (Table 12). Age 2.1 (Gilbert-Rich age 4_3) fish represented only 4%.

Size Distribution[2]

The modal length frequency for adult Coho migrants was in the range of 71-75 cm for females, 76-80 cm for males, and 26-30 cm for jacks (Table 13). The mean length for adult males (72.2 cm) was not significantly larger than for females (68.8 cm)($P > 0.05$); jack Coho average 30.8 cm (Table 14). Due to the large percentage of returning jacks, the length frequency distribution is bimodal (Figure 9).

Size at Age

The size of the age fish showed that Female age 1.1 fish and age 2.1 fish were both about 70 cm in fork length (Table 15). Male fish had slight differences in length with aged 1.1(Gilbert-Rich age 3_2) males around 74 cm and 2.1(Gilbert-Rich age 4_3) fork lengths around 70 cm. Aged 1.1 males may have been larger on average due to a much larger sample size of 64 versus 4 for aged 2.1 males.

Coded Wire Tags

Of 4,713 Coho counted at the fence, 2,931 were checked for presence of CWT, including 2,236 adults and 695 jacks (Table 16). Coded wire tags were positively located in 167 large adults (108 females, 57 males, and 2 unsexed) and 73 jacks. In total, CWTs were detected in 8.2% of all fish examined and in 7.5% of adults examined.

Mark-Recapture

Of the observed 4,713 Coho migrants, 221 were tagged with a T-bar anchor tag, combined with a left opercular punch (Table 17). The 2,215 tagged Coho included 2,212 large adults (1,222 females, 977 males, and 13 unsexed adults) and 3 jacks. There were no immediate mortalities due to capture, handling, or tagging, and no 24-hour delayed mortalities. Thus tag mortality was assumed negligible.

Recoveries of marked and unmarked Coho were conducted at 8 stream reaches between November 8th and December 7th (Table 18, Table 19). Total carcasses recovered were 363 (355 adults, 8 jacks). Adult carcasses recovered represented about 10% of the fence adult count; however 22 of the carcasses were either not in accessible locations or were missing operculum and tag and could not be examined for presence of mark. The male: female sex ratio obtained from pooled spawning ground Coho recoveries was 1.1:1. As in previous years, the recovery of jack carcasses was problematic; only 7 were encountered during stream surveys (0.7% of jacks counted at fence).

All carcasses that were able to be assessed were checked for marks. Of the 363 carcasses located, 191 (186 adults, 5 jacks) were marked, 88 of which had T-bar tags (all adults), while an additional 97 had operculum punch but T-bar tag was absent (Table 20). The T-bar tag loss percentage in adults was47%. The male: female ratio of marked recovered carcasses was 1:1.1, while, unmarked Coho carcasses recovered, the majority were males (1.1:1).

Simple Petersen Mark-Recapture Population Estimates

A single-census Petersen mark-recapture estimate for adult Coho (ignoring jacks) was obtained from the bias-corrected *hypergeometric estimator* (Equation 3) for population size of N=3,952 ± 184 (Table 21). Since the ratio of marked recaptures to catch exceeds 0.1, it may

[2] Returning Coho weights were not recorded in 2010.

be more appropriate to use the binomial confidence interval calculation (Seber, 1982).The *binomial estimator* (Equation 5) for adult Coho was calculated as N=3,951 ± 191.

Bayesian Posterior Probability Mark-Recapture Population Estimates

The *posterior probability distribution* for adult Coho was constructed from 29 time intervals (T) associated with available marks (M) in the spawning population at time T, the observed number of Coho carcass encounters (C), and the number of marks recovered (R) in the encounters (Figure 22). The weighted median and mean of the posterior probability distribution were 4,072 and 4,082 ± 6.6 fish, respectively (Figure 23).1001 discrete population runs were modeled between bounds of 3,000 – 5,000 individuals. These data provided a modal adult population estimate of 4,050 fish (**Figure 10**), with the highest probability density of 3,758 – 4,444, α = 0.05) (Figure 11).

EXPLOITATION RATE AND MARINE SURVIVAL

Virtually all Coho from the major South Coast hatcheries have been marked since 1997 (a pelvic fin clip in the first year and an adipose clip thereafter). This was in anticipation of selective mark fisheries, which are intended to harvest hatchery but not wild production. 1997 was the last year when major non-selective fisheries occurred in southern BC. Since Black Creek Coho are a wild stock, smolts were not adipose clipped between 1997 and 2002. However, in 2003 and, again, in 2004 a portion of the smolt output was adipose clipped as well as coded-wire tagged. This was not repeated for any of the 2005 - 2010 smolt production cycles.

It is assumed that Black Creek Coho are encountered in BC and Alaska sport fisheries at the same rate as marked Coho from Quinsam Hatchery, 27 km from Black Creek. Since studies suggest that 10% of sport-caught Coho do not survive after release, the exploitation rate in BC sport fisheries is assumed to be 10% of the Quinsam exploitation in BC catch-and-release recreational fisheries. However, for Alaskan fisheries all Coho are retained so the Alaskan exploitation rate of Black Creek Coho is assumed equal to Quinsam hatchery Coho exploitation.

The percent exploitation rate (*ER*) of adult Black Creek Coho is calculated based on CWT tag estimates, as:

$$ER = 100 * C / (C + M + E)$$

where *C* is the estimated fishing mortality, *M* is the known pre-spawn natural adult mortality (assumed to be negligible), *E* is the adult escapement.

CWT-tagged adult Coho escapement *E* (303 fish) was derived from the proportion of tagged adult returns (7.47%) multiplied by the modal estimate of the total adult escapement (4,050). The proportion was calculated from the estimated number of CWT adults (167observed adult fish)), divided by the total number of adult Coho examined at the fence for CWTs (2,236).

Though catch data (*C*) are unavailable for Black Creek Coho in 2010, an estimate of 6.46% exploitation was independently provided for Vancouver Island and Georgia Strait Coho for 2010 (source: Pieter Van Will) which can be used to back-calculate the catch mortality. Re-arranging the *ER* equation yields:

$$ER = 100 * (C / (C + 0 + 303)) = 6.46\%$$

$$C = 0.0646 * 303 / 0.935$$

$$C = 20.9$$

Thus, catch of CWT'd adults is estimated at approximately 20.9 fish.

Percent marine survival rate (*S*), is:

$$S = 100\ (C + M + E)\ /\ R$$

where *C*, *M* and *E* are calculated as for exploitation rate, and *R* is the number of tagged smolts in 2009 corrected for long-term tag loss. The estimated number of tagged smolts (*R* = 17,114) was then derived by applying the 10% long-term tag loss rate to an estimated 19,016 effectively tagged releases in 2009 (Van Will et al., 2010b).

Thus:

$$S = 100 * (20 + 0 + 303) / 17{,}114$$

$$S = 1.89\% \text{ (range: } 1.81\text{-}1.99\%)$$

Thus, marine survival of Coho adults is estimated to be 1.89%, with a range of 1.81-1.99 %, based on minimum & maximum long-term tag loss rates (Taylor & Baillie, in prep.). Estimated marine survival and exploitation rates since 1976 are presented in Table 24, where available.

DISCUSSION

SMOLTS

Smolt migration past the Black Creek fence in 2010 peaked in the end of April and continued until mid may, which is earlier than the previous year that peaked in mid- May. Enumerated Coho smolt out-migrants (22,754), was 67% less than 2009 out-migration and 34% less than 2008. Total coded-wire tagged smolts were similar with (6,852) 36% less than 2009 and 34% less than 2008 outputs. Short-term tag loss estimates of 0.5% were used to estimate an effective tag release of 6852 coded-wire tagged smolts migrating to sea in 2010 (30% of the total run).

As usual for Black Creek, age 1.0 (2_2 Gilbert-Rich) fish predominated in the 2010 smolt migration (84% of aged fish). The length distribution of partially-aged (M0) fish (Figure 5) suggests that the majority of these fish were also age 1.0 (2_2 Gilbert-Rich). The remainder of the migration was composed of age 2.0 (3_3 Gilbert-Rich) smolts, which were most common during the first time period. Age 3.0 (4_4 Gilbert-Rich) smolts have not been identified in the Black Creek out-migration since 2005, and none were identified in 2010.[3]

ADULTS

Black Creek Coho upstream migration is highly dependent on precipitation events to raise creek levels. Over the past five years, peak Coho migration has occurred shortly after the first significant rainfalls (Van Will et al., 2010a, 2010b, and 2011, Campbell et al., 2012). Similar trends occurred in 2010, water temperature and water level conditions were not a barrier to fish migration throughout October. Upstream migration of adults was confined to three peak migration times while jacks were largely confined to one. The first peak, in mid-October, consisted of a large amount adults and jacks, followed by a the second peak of fish (almost all adults) in late October, and a third in early November (all adults) each associated with pulses in water levels due to precipitation (Figure 7).

[3] Two age 3.0 smolts were captured in each of 2001 and 2002; 5 fish were found in 2003; and 1 in 2005.

There were a greater number of females enumerated through the fence (55%) compared to males; however, there were 1,307 adult fish that were unsexed. The maturity level of each individual fish was documented. In 2009 there were a high percentage of fish (63%) that were classified as green or mature and only 5% as silver. In 2010, the percentage of silver condition fish was considerably higher (62%) than in 2009. Green fish made up 36.5%, Mature made up 1% and unknown made up <1%. The 2009 and 2010 peak migrations of Coho occurred around mid-October coinciding with larger flows. It is possible that the large difference in the subjective classification between the 2009 and 2010 could be due to difference in classification criteria by different samplers.

The CWT detection rate (8.2% of Coho examined) was similar to 2009 (8.5%) (Campbell et al., 2012), an increase over 2008 (5.3%)(Van Will et al. 2011) however it is still considerably lower than the 15.5% tag detection rate in 2007 (Van Will et al., 2010b), and 29% in 2006 (Van Will et al., 2010a), and may be indicative of a trend in long-term tagging mortality associated with CWT tagging operations.

High water levels in 2010 affected fence operations in early November, during which time an unknown number of adult Coho escaped unexamined, however it was most likely minimal since the bulk had passed through during October. During flooding events, observers counted the number of fish that could be seen jumping the fence but were unable to sample the fish. This may be a source of error in the estimate of marine survival (Equation 8), since the escapement estimate (*E*) is based in part on the total number of CWTs detected. However, since this count is tallied in ratio to the total number of fish checked, which is also biased downward to an unknown degree, it is not possible to determine the level of error in *E*, if any.

Taylor and Baillie (in prep.) showed that inter-annual variation in the distribution of spawners amongst spawning ground sites is high, indicating that spawner distribution does not appear to be a function of run size or available spawner habitat, or related in any obvious way to variations in hydrologic conditions.

The continuing high T-bar tag loss rate (54%, compared to 57% in 2009, 43% in 2008, (Campbell et al., 2012, Van Will et al., 2011, Van Will et al., 2010b)) in spawning ground recoveries of marked Coho remains an issue that will be addressed in subsequent studies. However, tag loss would have little repercussion on the population estimate if the accompanying opercular punch was identified each case. Since it is possible that either tag can be lost, there might be “marked” fish in the recoveries which have lost both marks. Thus, of the 28 fish that were found without marks, some proportion may have been marked. The inability to account for these missing marks would bias the estimated population size upwards by an unknown amount.

ESCAPEMENT ESTIMATION

The single-census Petersen hypergeometric and binomial mark-recapture estimators for adult Coho population size were not significantly different from each other at the $\alpha = .05$ level, being approximately 3,952 ± 184 fish.

The modal Bayesian population estimate was 4,050 adult Coho with a 95% probability density of 3,758 – 4,444 fish.

The Bayesian estimates have been consistently higher than single-census Petersen estimates since 2003 (Figure 12), in 2010 these estimates were not significantly different from each other at the $\alpha = 0.05$ level.

Estimated 2010 adult escapement numbers (4,050) represent 25% reduction relative to the escapement population size (5,453) in the contributing brood year of 2007. This escapement indicates a continuing increasing trend in spawner abundance since 2008 but a drop in spawner replacement that was seen through 2009 (Figure 12).

Taylor and Baillie (in prep.) describe the potentials for bias in generating Bayesian population estimates due to differential rates of recapture of tagged versus untagged fish, tag loss, and/or unobserved migration. They found that the initial trend of increasing population size stabilized in the final sampling sequences after mid-November, following the dispersal of unmarked Coho into the spawning sites. In 2010, all upstream migrants were enumerated at the fence until November 14th; however, unobserved migrants may have escaped during flood events during hours that the fence was not being observed. This may lead to some bias into the escapement estimate, and may thereby be affecting both marine survival and exploitation rates to some degree. In addition, the inability to account for missing marks would bias the estimated population size upwards by an unknown amount.

EXPLOITATION RATE

Commercial fisheries in southern BC have been designed to avoid Coho catches, and incidentally-caught Coho cannot be retained. However, non-selective sport and commercial fisheries still exist from the central coast to Alaska and in Washington State. Retention of unmarked Coho by sport fishermen is also permitted in a portion of Area 12 through the month of July and some terminal areas throughout the South Coast. Though few Black Creek Coho have occurred in these areas historically, those that were caught go largely undetected since unmarked Coho are typically not scanned for the presence of a CWT. The catch is assumed to be small; fishing mortality is assumed to consist entirely of release mortality in sport fisheries (10%).

Significant conservation measures initiated in 1997 have reduced fishing mortality on Black Creek Coho. The regional estimate of 6.46% for Vancouver Island-based Georgia Strait Coho for 2010, was the highest since 1997, however the estimate has averaged 4.4% since 1998, down from an average of 7.3% for the years 1986-1997.

MARINE SURVIVAL

Despite significant reductions in exploitation since 1998, Black Creek Coho marine survival remains persistently suppressed at low levels, mirroring declines seen elsewhere in the Strait of Georgia basin (Figure 13). The 2010 marine survival estimate of 2.08% is a decrease from 2009 (3.28%) but higher than 2008 (0.76%) (Campbell et al., 2012, Van Will et al., 2011), which was the lowest in recent record (1976-2008). This decline in marine survival marine survival in 2010 relative to the previous year, highlights the continued challenge faced by Strait of Georgia Coho stocks.

RECOMMENDATIONS

This following recommendations arising out of this report may facilitate future Black Creek Coho enumeration operations, data management, and analysis.

JUVENILE ENUMERATION OPERATIONS

1. Estimates of long-term CWT tag loss have varied from 4.6 to 16.4% for return years prior to 2006, but should be reviewed for more recent broods. Include adipose fin-clipping or equivalent marking to facilitate assessment of long-term CWT tag loss.

Long-term tag loss studies require independent groups of CWT'd smolts which do not overlap with short-term 24-hour tag loss smolt sets.

2. The percentage of CWTs recovered in returning adults is low. Increase the number of tag retention test to 4. Currently tag retention test are 24 hour time test, this should be increased to 48 hours. Tagged juveniles should be held in a recovery box for a period time to minimize their susceptibility to predators.
3. Trap box over-crowding during peak out-migration can result in pre-sample smolt mortality rates of up to 5% on a given date, and potentially delay or impact tagging operations if surviving fish are significantly stressed. Extra attention to trap management during peak migration periods may alleviate this unnecessary mortality.

ADULT ENUMERATION OPERATIONS

1. High water levels in 2010 affected fence operations in early November, during which time an unknown number of adult Coho escaped unexamined. This may lead to errors of unknown magnitude in the Bayesian escapement estimate and subsequent estimate of marine survival. To minimize untallied and un-sampled Coho bypass events, extra efforts should be made to observe fish passage during high water periods, either through counting fence design modifications, or extra observer effort in response to precipitation forecasts.
2. Another potential source of bias in escapement estimation may be incurred by the loss of both tag and opercular punch holes from marked fish. It may be useful to further mark the fish with an additional punch hole in the second operculum and look at other tag designs that may hold in the fish for a greater amount of time.
3. In order to decrease the amount of human error due to variation in the samplers, the sampling protocol should be reviewed with the crew prior to adult operations.

SPAWN SURVEY OPERATIONS

1. Obtain physical data from key spawning ground locations, including water temperature data and/or cross-sectional creek profiles, to ascertain whether temperature or bedload movement might be a factor in spawner distribution.

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TABLES

Table 1. Environmental conditions during smolt fence operations, 2010.

Date	Air Temp (ºC)	Water Temp (ºC)	Water Level (cm)	Weather	Comments
10-Apr-10	6.7	6.4	85	Sun	1st Day Checked, No Coho Smolts
11-Apr-10	9.9	7.5	86	Sun	
12-Apr-10	10.6	7.9	82	Sun	Water Dropped or dropping from 1st Day
13-Apr-10	10	9.3	79	Sun	
14-Apr-10	9.7	10	76	Cloud	One big Coho size 350+
15-Apr-10	12	10	70	Sun	DFO
16-Apr-10	9	10	69	Cloud	DFO
17-Apr-10	10	11.1	67	Cloud/Rain	
18-Apr-10	12	10.7	69	Cloud	
19-Apr-10	12	11.3	68	Sun/Cloud	
20-Apr-10	10	11.4	74	Rain	Water Level High
21-Apr-10	14	10	71	Sun	DFO
22-Apr-10	11.5	9.9	69	Sun	
23-Apr-10	9	9.5	66	Cloud	DFO
24-Apr-10	9.3	9.2	66	Sun/Cloud	
25-Apr-10	9.6	10	64	Cloud	
26-Apr-10	9	9.3	63	Cloud	
27-Apr-10	7	9.9	78	Cloud	Water level high from rain
28-Apr-10	8.9	10.3	78	Sun/Cloud	Water level high
29-Apr-10	10.5	9.7	76	Sun	DFO
30-Apr-10	12	10.5	72	Cloud	DFO
1-May-10	10	10.1	69	Cloud	
2-May-10	10.1	10.3	67	Cloud	Water dropping rapidly
3-May-10	7.1	9	76	Sun/Cloud	Water level high from rain
4-May-10	6.8	8	73	Sun/Cloud	
5-May-10	7.1	8.6	68	Sun	
6-May-10	12	9	66	Sun	
7-May-10	12.5	9.5	64	Sun	
8-May-10	13	10.6	64	Sun	
9-May-10	12	10.3	63	Sun	Water level dropping
10-May-10	9.8	10.8	60	Cloud	
11-May-10	11.7	10.2	58	Sun	DFO kept 100+ in box
12-May-10	11	11.9	57	Cloud	
13-May-10	15	12.5	56	Sun	
14-May-10	16	13	54.5	Sun	
15-May-10	9	11.9	56	Sun	DFO
16-May-10	15	15	52	Sun	Box broken

Date	Air Temp (ºC)	Water Temp (ºC)	Water Level (cm)	Weather	Comments
17-May-10	13	13.5		Rain	Box broken
18-May-10	12	13.5	50	Rain	
19-May-10	12.1	12.4	53	Cloud	DFO
20-May-10	8.1	11.2	55	Rain	
21-May-10	11.7	11.4	57	Rain	
22-May-10	12	9.7	55	Cloud	
23-May-10	12.2	10.7	54	Cloud	
24-May-10	12.6	10.7	53	Cloud	
25-May-10	11.4	11.1	58	Rain	
26-May-10	13.1	11.7	64	Rain	
27-May-10					
28-May-10	13.5	13	69	Cloud	
29-May-10	11.1	13.1	72	Rain	Water level high to top of fence
30-May-10	11	12.5	71	Cloud	Water level high
31-May-10	12	12.1	76	Rain	
1-Jun-10	12	12	86	Rain	Pulled 3 fence panels for 0.5 hours
2-Jun-10	13	12.6	86	Sun	Water level high. 2 Perch Small found in box
3-Jun-10					
4-Jun-10					
5-Jun-10					
6-Jun-10					
7-Jun-10	13.6	13.8	76	Sun	
8-Jun-10	13	12.9	69	Sun	
9-Jun-10	12.6	13.8	70	Rain	

Table 2. Scale age composition of Black Creek Coho smolts sampled at the juvenile weir, April 10th – June 9th, 2010. Fully aged fish.

AGE COMPOSITION					
Species	**European**	**Gilbert-Rich**	**Brood Year**	**Frequency**	**Percent**
Coho	0.0	1_1	2009	5	2%
Coho	1.0	2_2	2008	274	83%
Coho	2.0	3_3	2007	53	15%
Totals				332	100.00%

Table 3. Scale age composition of Black Creek Coho smolts sampled at the juvenile weir, April 10th – June 9th, 2010. Partially aged or un-aged fish.

UNAGED			
Coho	NS	No structure	3
Coho	UD	Upside down scale	10
Totals			13

Table 4. Summary of Coho smolt scale ages by sampling period, 2010.

Period	**Statistic**	**Scale Age**				**Grand Total**
		N/A	**1**	**2**	**M0**	
Period 1: Apr 13 - May 4	Count	10	116	35	32	193
	Percent	5%	60%	18%	17%	100%
Period 2: May 5 - May 24	Count	2	113	12	18	145
	Percent	2%	78%	8%	12%	100%
Period 3: May 25 - Jun 11	Count	6	45	6	10	67
	Percent	9%	67%	9%	15%	100%
Total Count		18	274	53	60	405
Total Percent		4%	68%	13%	15%	100%

Table 5. Summary of 2010 length (mm) at age of Coho smolts.

Statistic	Smolt Age				
	1	2	M0	N/A	ALL
Count	274	53	61	17	405
Percent	84%	16%	-	-	100%
Lengths	273	53	61	17	404
Min Length	90	103	92	90	90
Mean Length	115.6	146.9	129.4	118	121.9
Max Length	159	210	350	103	350
SD Length	14.5	24	35.8	25	23.5

Table 6. Length frequency of Coho smolts by period, 2010.

Fork Length (mm)	Period 1	Period 2	Period 3	Total
70-74		2		2
75-79		1		1
80-84	1			1
85-89		12	2	14
90-94	3	22	21	46
95-99	8	81	35	124
100-104	12	111	41	164
105-109	29	121	29	179
110-114	92	96	11	199
115-119	101	94	8	203
120-124	130	77	4	211
125-129	133	43	4	180
130-134	110	21	1	132
135-139	54	14		68
140-144	25	3	1	29
145-149	15	3		18
150-154	19	1		20
155-159	22			22
160-164	8	1		9
165-169	20			20
170-174	20			20
175-179	19			19
180-184	8			8
185-189	6			6
190-194				0
195-199				0
> 200	3			3
All	838	703	157	1698

Table 7. Size statistics for Coho smolts by sampling period, 2010.

Period	N	Fork Length (mm)				Fresh Weight (g)			
		Min	Mean	Max	Mode	Min	Mean	Max	Std
1	838	80	129.8	210	125-129	5.6	22.5	82.3	11.3
2	703	70	110.3	160	105-109	4.7	15.5	43.8	5.3
3	157	88	103.7	174	95-99	6.2	12.3	50.4	4.7
All	1698	70	119.2	210	120-124	4.7	18.7	82.3	9.6

Table 8. Summary of catches and coded-wire tag releases of Coho smolts by tag series and sampling date, 2010.

Date	CWT Code	Pre-Morts	Number Tagged	Post Morts	Un-marked Releases	Pin Retention Test Fish	Number of Non-Retentions	24hr Tag Loss	Effective CWTs	No Pin Fish[4]	Comments
21-Apr	185939	0	268	1	5				266	2	
23-Apr	185939	0	223	0	5				221	2	
29-Apr	185939	1	1591	2	33	209	2	0.01	1583	8	1st 24hr retention test
30-Apr	185939	0	993	0	11				988	5	
06-May	185939	1	756	0	3				752	4	
07-May	185939	3	562	1	7				559	3	
14-May	185939	0	18	0	0				17	1	
15-May	185939 080430	33	198	2	198	200	0	0	197	1	2nd 24hr retention test
18-May	080430	2	1030	0	76				1024	6	
19-May	080430	0	1225	0	75				1218	7	
28-May	080430	1	29	0	0				27	2	
Totals		41	6893	6	413	409	2	0.50 %	6852	41	

[4] Applied 0.5% average from retention test to calculate no pin fish.

Table 9. Daily upstream migration through the adult counting fence, 2010.

Date	Coho		Chum	Chinook	Cutthroat	Other	Comment
	Adults	Jacks					
10-Oct-10	835	540			17		Released 519 Adults/216 Jacks
11-Oct-10	393	160			11		
12-Oct-10	110	48			9		
13-Oct-10	54	24			1		
14-Oct-10	22	8					
15-Oct-10	1	6					
16-Oct-10	1	3					
17-Oct-10	0	0					
18-Oct-10	0	0					
19-Oct-10	0	0					
20-Oct-10	0	0					
21-Oct-10	0	0					
22-Oct-10	0	0					
23-Oct-10	0	4			1		
24-Oct-10	444	49			19		Released 29 M, 23 F, 3 J
25-Oct-10	452	7		1	11		291 Released
26-Oct-10	360	30		1	2		30 Released
27-Oct-10	228	28	1		15		14 Released
28-Oct-10	119	54			1		13 Released
29-Oct-10	61	67			11		
30-Oct-10	31	16			8		
31-Oct-10	23	0			1		
1-Nov-10	371	0					Released 339 Adults, 3 Jacks
2-Nov-10	82	0					75 Released
3-Nov-10	21	6	1		9		5 Released
4-Nov-10	10	8	2				1 Dead Pitch
5-Nov-10	3	0			10		
6-Nov-10	0	0					
7-Nov-10	14	3			7		
8-Nov-10	3	0	4		2		
9-Nov-10	0	0					
10-Nov-10	11	1			2		
11-Nov-10	2	0					
12-Nov-10	0	0	1		1		
Total	3651	1062	9	2	138		

Table 10. Relative condition of maturity of Black Creek Coho as assessed subjectively at the counting fence, 2010.

Condition	Females	Males	Jacks	Unknown	All
Silver	785	439	716	1	1941
Green	467	565	114	3	1149
Mature	14	19	3		36
Ripe	0	0	0	0	0
Unknown	26	29	229	1303	1587
All	1292	1052	1062	1307	4713

Table 11. Summary of Coho adult scale ages, 2010.

Period	Data	Scale Age				Grand Total
		1.1	2.1	M1[5]	N/A[6]	
Oct 11 - Dec 7	Count	145	6	86	22	259
	Percent of Scales	56%	2%	33%	9%	100%
	Percent of Fully Aged Scales	97%	3%			100%

Table 12. Age and sex composition for adult Coho, 2010.

Sex	Statistic	1.1	2.1	Grand Total
Female	Count	80	2	82
	Percent	53.3%	1.3%	54.6%
Male	Count	64	4	68
	Percent	42.7%	2.7%	45.4%
Total Count		**144**	**6**	**150**
Total Percent		**96.3%**	**4.0%**	**100%**

[5] 1 marine annulus.
[6] Regenerated and upside-down.

Table 13. Fork length (cm) frequency distribution data for adult and jack Coho, 2010.

Fork Length Range (cm)	Females	Males	Jacks	Unsexed Adults	Totals
11-15	0	0	0	0	0
16-20	0	0	1	0	1
21-25	2	0	36	0	38
26-30	1	0	397	0	398
31-35	1	0	317	0	318
36-40	1	0	77	0	78
41-45	4	9	10	0	23
46-50	16	23	0	0	39
51-55	47	25	0	1	73
56-60	79	42	0	0	121
61-65	168	72	0	0	240
66-70	348	182	0	2	532
71-75	432	252	0	1	685
76-80	162	297	0	1	460
81-85	7	113	0	0	121
86-90	0	7	0	0	7
91-95	0	0	0	0	0
96-100	0	0	0	0	0
Not Measured	1	1	2	8	12
Total	1269	1023	840	13	3145

Table 14. Statistical summary of fork length (cm) data for sampled adult and jack Coho, 2010.

Statistic	Females	Males	Jacks	Unsexed Adults	All
Count	1269	1023	840	13	3145
Minimum	24	43	18	53	18
Mean	68.8	72.2	30.8	67.8	59.9
Maximum	85	87	43	79	87
Std Deviation	7.2	8.3	3.7	9.5	18.8

Table 15. Length-at-age for aged adult Coho, 2010.

Sex	Fork Length (cm)	1.1	2.1	All Ages
F	Count	80	2	82
	Mean	69.3	70.0	69.4
	Std Dev	6.2	4.2	6.1
M	Count	64	4	68
	Mean	73.7	69.8	73.5
	Std Dev	7	7.9	7.1
Total Count		144	6	150
Overall Average		71.2	69.8	71.2
Standard Deviation		6.9	6.4	6.8

Table 16. Summary of coded-wire tag detections during Coho movement through the counting fence, 2010.

Sex	CWT Present	CWT Absent	Not Checked[7]	Total
F	108	1126	58	1292
M	57	940	55	1052
J	73	622	367	1062
Unsexed adults	2	3	1302	1307
Total	240	2691	1782	4713

Table 17. Summary of Coho adult and jack tag operations at the counting fence, 2010.

	Females	Males	Jacks	Unsexed Adults	Total Adults	All
Captured	1292	1052	1062	1307	3651	4713
Not Tagged	70	75	1059	1294	1439	2498
Total Tags	1222	977	3	13	2212	2215

[7] During high water events fence was opened and fish were counted through and not sampled.

Table 18. Summary of recoveries of Coho from spawning ground sampling sites, 2010.

Reach (#)	Unmarked					Marked					Mark Unknown				Total
	F	J	M	Unk	Total	F	J	M	Unk	Total	F	J	M	Total	
1	1	0	1	0	2	2	0	3	0	5	0	1	0	1	8
2	6	0	7	0	13	9	0	8	0	17	1	0	1	2	32
3	23	0	23	0	46	16	0	20	0	36	0	0	0	0	82
4	10	0	8	0	18	9	0	9	0	18	1	0	0	1	37
5	8	0	14	0	22	21	1	19	0	41	5	0	3	8	71
6	5	0	8	0	13	5	0	7	0	12	0	0	0	0	25
7	9	0	6	0	15	7	1	11	1	20	1	0	1	2	37
8	7	0	12	0	19	21	3	18	0	42	3	2	5	10	71
Total	69	0	79	0	148	90	5	95	1	191	11	3	10	24	363

Table 19. Summary of adult Coho recoveries by date, sex, and mark presence (N=No, Y=Yes) on the Black Creek watershed spawning grounds, 2010.

Date	Unmarked			Marked					Mark Unknown			Total
	F	M	Total	F	J	M	Unk	Total	F	J	M	
8-Nov-10				1		1		2				2
9-Nov-10		1	1	2		3		5				6
10-Nov-10						1		1		1		2
12-Nov-10	1	1	2	1		2	1	4	1		1	8
13-Nov-10		2	2	4				4				6
14-Nov-10				1				1				1
15-Nov-10	8	3	11	3		7		10	1			22
16-Nov-10	3	3	6	7		4		11	1			18
17-Nov-10	4	4	8	5		4		9				17
18-Nov-10	4	4	8	4		3		7		1		16
19-Nov-10	2	1	3	3				3				6
20-Nov-10	1	3	4	1				1				5
21-Nov-10		3	3	8		8		16				19
22-Nov-10	4	7	11	4		5		9				20
23-Nov-10	2	2	4	1		1		2			1	7
24-Nov-10	3	8	11	5		2		7				18
25-Nov-10	1	2	3	4		3		7				10
26-Nov-10	4		4			3		3				7
27-Nov-10				2	1	2		5	5		3	13
28-Nov-10	1		1	7	3	8		18	3	1	5	28
29-Nov-10	1	2	3			2		2				5
30-Nov-10				1				1				1
1-Dec-10	3	2	5	4		7		11				16
2-Dec-10	14	13	27	9		10		19				46
3-Dec-10	1	2	3	1		1		2				5
4-Dec-10	3	4	7	3	1	2		6				13
5-Dec-10	5	6	11	5		9		14				25
6-Dec-10	3	3	6	1		4		5				11
7-Dec-10	1	3	4	3		3		6				10
Total	69	79	148	90	5	95	1	191	11	3	10	363

*118 carcasses were observed in locations that were not accessible and therefore were not checked for sex, punch, or tag.

Table 20. Mark application and recovery by sex for the 2010 Black Creek Coho escapement, comparing recovery rates for T-bar tagged versus left opercular-punched fish.

Sex	Marks Applied		Marks Recovered			% Recovery		
	T-Bar[8]	L-Punch	T-Bar	L-Punched[9]	Marked[10]	T-Bar	L-Punched	Marked
F	1222	1222	49	87	90	4.0%	7.1%	7.4%
M	977	977	38	93	95	3.9%	9.5%	9.7%
J	3	840	0	5	5	0.0%	0.6%	0.6%
Unknown[11]	13	13	1	-	1	-	-	-
Total	2215	3052	88	185	191	4.0%	6.1%	6.3%

	Mark Undetermined[12]
F	11
J	2
M	10
Unknown	1
Total	24

[8] 2215 fish caught at the fence had a T-bar tag applied and a left opercular hole-punch.
[9] Recoveries with left opercular punch, with or without T-bar tag.
[10] All fish marked with either T-bar or left opercular punch.
[11] Sex was not determined.
[12] Opercular punch could not be determined due to location of fish or missing left operculum.

Table 21. Petersen mark/recapture escapement estimation based on Black Creek adult Coho marked fish and recoveries.

Adults	
Marks	2212
Captures	333
Recoveries	186
R/C	56%

Petersen Pop Estimate	Pop	Var	Std Dev
Hypergeometric	3951.63	33663.54	183.48
Binomial	3950.85	36542.06	191.16
Inverse Hypergeometric	3960.98		
Inverse Binomial	3960.19	37022.38	192.41

Table 22. Black Creek adult Coho marks and recoveries, by date of recapture, for Bayesian escapement population estimation. Jacks not included.

Date	Time Interval (T)	Catch (C)	Marks Available (M)	Recovered Marks (R)
08-Nov	1	2	3132	2
09-Nov	2	6	3130	5
10-Nov	3	2	3136	1
12-Nov	4	8	3136	4
13-Nov	5	6	3128	4
14-Nov	6	1	3122	1
15-Nov	7	22	3121	10
16-Nov	8	18	3099	11
17-Nov	9	17	3081	9
18-Nov	10	16	3064	7
19-Nov	11	6	3048	3
20-Nov	12	5	3042	1
21-Nov	13	19	3037	16
22-Nov	14	20	3018	9
23-Nov	15	7	2998	2
24-Nov	16	18	2991	7
25-Nov	17	10	2973	7
26-Nov	18	7	2963	3
27-Nov	19	13	2950	4
28-Nov	20	28	2937	15
29-Nov	21	5	2909	2
30-Nov	22	1	2904	1
01-Dec	23	16	2903	11
02-Dec	24	46	2887	19
03-Dec	25	5	2841	2
04-Dec	26	13	2836	5
05-Dec	27	25	2823	14
06-Dec	28	11	2798	5
07-Dec	29	10	2787	6
Total		363		186

Table 23. Bayesian posterior probability distribution statistics for Black Creek adult Coho population estimate, 2010.

Weighted Moments

N	1001	Sum Weights	0.9999997
Mean	4082.88726	Sum Observations	4082.88603
Std Deviation	6.60111846	Variance	43.5747649
Skewness	0.05736197	Kurtosis	-0.9772371
Uncorrected SS	16713538.1	Corrected SS	43574.7649
Coeff Variation	0.16167771	Std Error Mean	6.60111945

Weighted Basic Statistical Measures

Location		Variability	
Mean	4082.887	Std Deviation	6.60112
Median	4072.000	Variance	43.57476
Mode	.	Range	2000
		Interquartile Range	278.00000

Weighted Tests for Location: Mu0=0

Test	-Statistic-		-----p Value------	
Student's t	t	618.5144	Pr > |t|	<.0001

Weighted Quantiles

Quantile	Estimate
100% Max	5000
99%	4618
95%	4444
90%	4356
75% Q3	4216
50% Median	4072
25% Q1	3938
10%	3824
5%	3758
1%	3644
0% Min	3000

Cum Density	Interval	Pop	Prob	Complement
0.45928	29	4050	.003872933	0.54072

Table 24. Estimated marine survival and associated exploitation rate in marine fisheries, 1976-2010.

Return Year	Smolt to Adult Survival Rate	Exploitation Rate
1976	0.190[13]	0.915[14]
1977	0.198[14]	0.836[15]
1978 - 1985	-	-
1986	0.125	0.727
1987	0.115	0.847
1988	0.134	0.676
1989	0.115	0.697
1990	0.129	0.713
1991	0.08	0.677
1992	0.125	0.767
1993	0.054	0.739
1994	0.059	0.79
1995	0.045	0.567
1996	0.034	0.703
1997	0.049	0.541
1998	0.045	0.03
1999	0.017	0.03
2000	0.022	0.03
2001	0.074	0.046
2002	0.049	0.059
2003	0.03	0.043
2004	0.044	0.043
2005[15]	0.0176	0.044
2006[16]	0.014	0.044
2007[16]	0.025	0.042
2008[16]	0.0063	0.0582
2009[16]	0.034	0.038
2010	0.0189	0.0646

[13]Probable under-estimate due to probable under-estimate of escapement.

[14]Probable over-estimate due to probable under-estimate of escapement.

[15]Updated estimates of marine survival based upon application of 10% term tag loss.

FIGURES

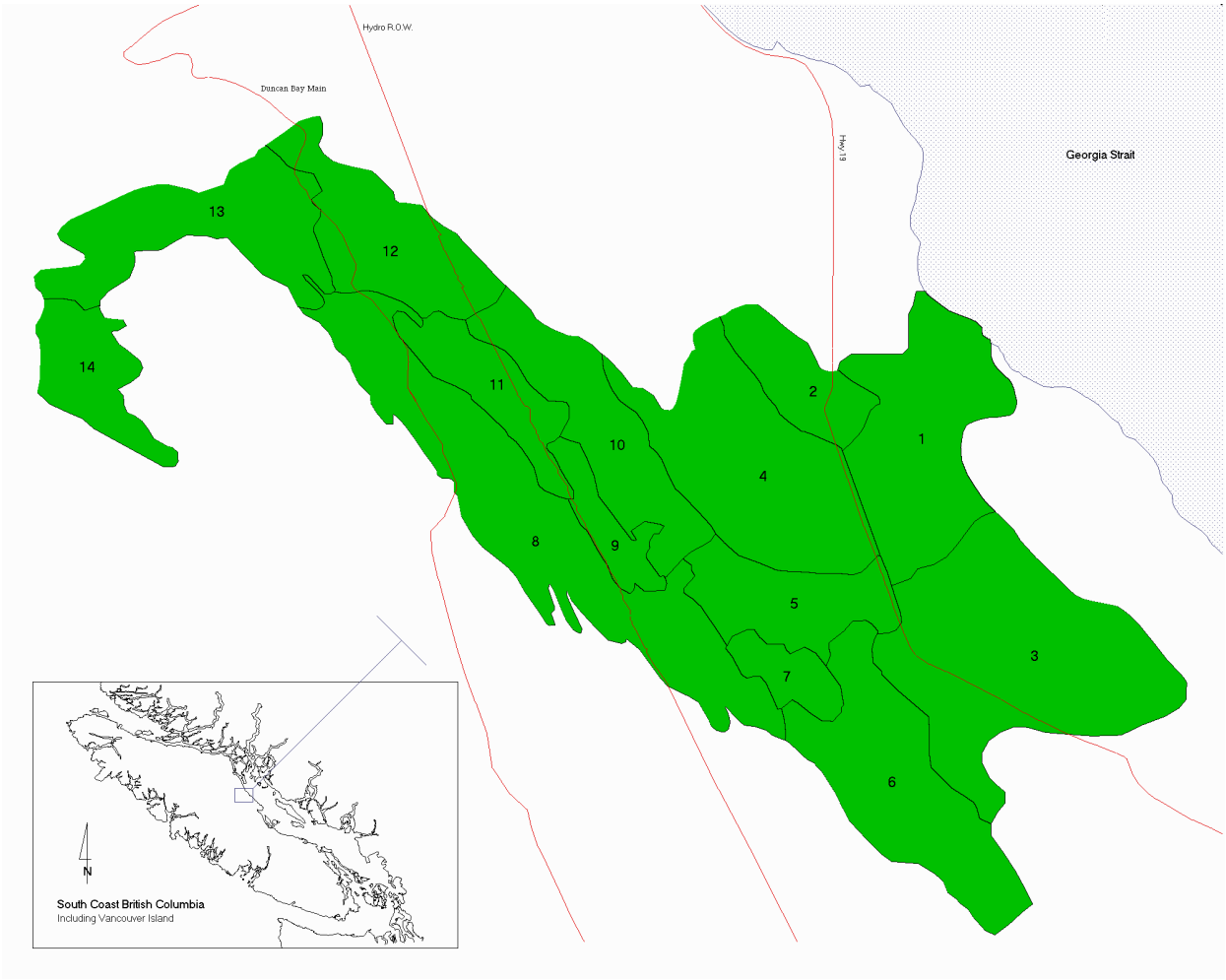

Figure 1. The Black Creek watershed and sub-basin boundaries (after Brown et al. 1999).

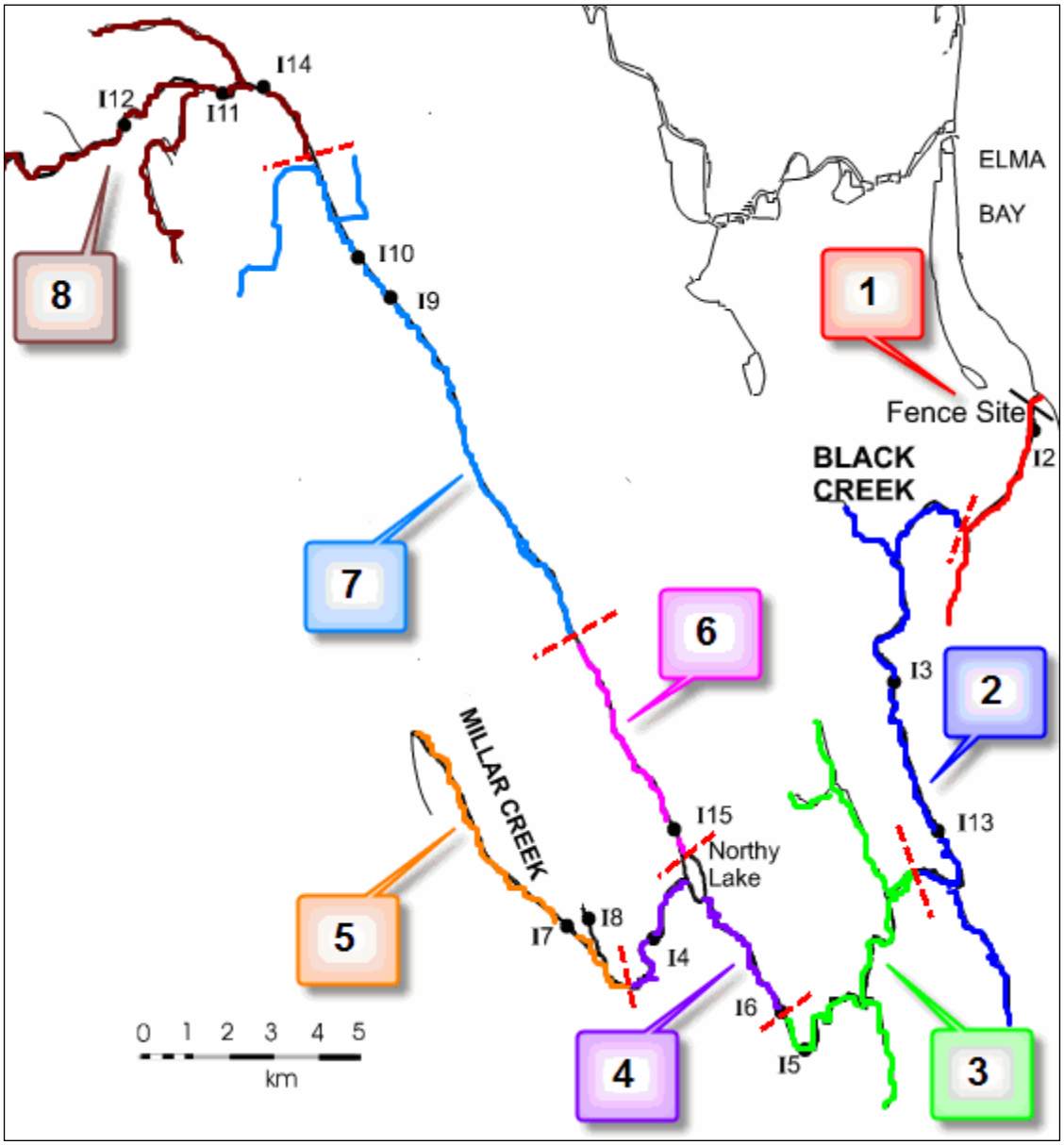

Figure 2. The Black Creek system, showing the locations of the fence and recovery sampling sites, by reach.

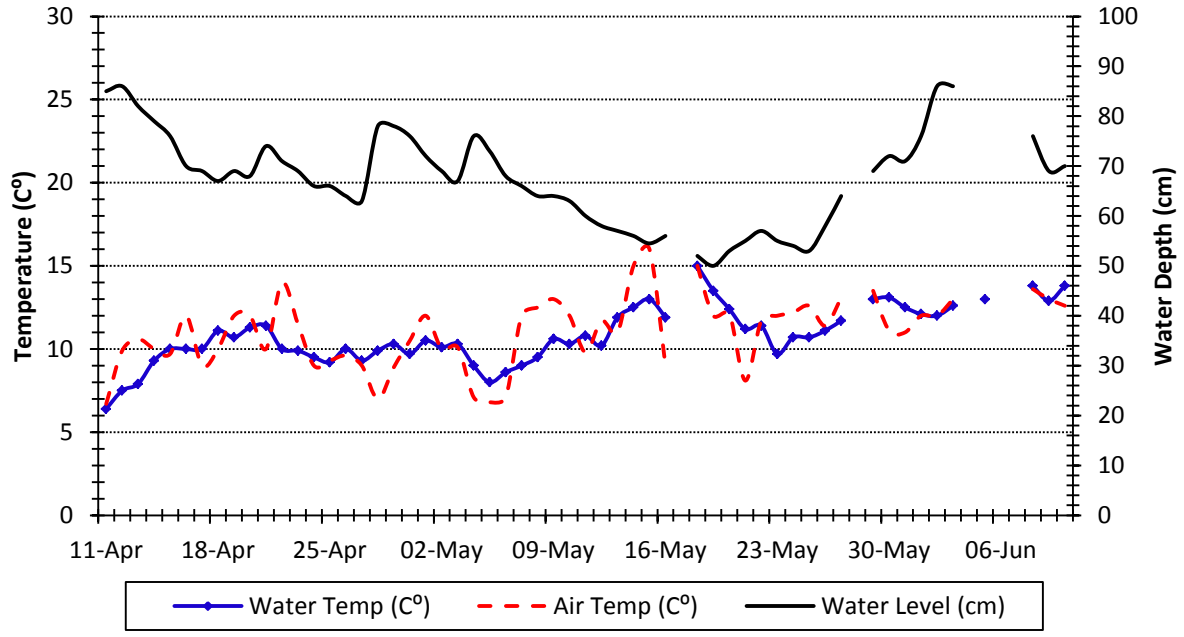

Figure 3. Black Creek water level and temperature during the 2010 smolt outmigration period.

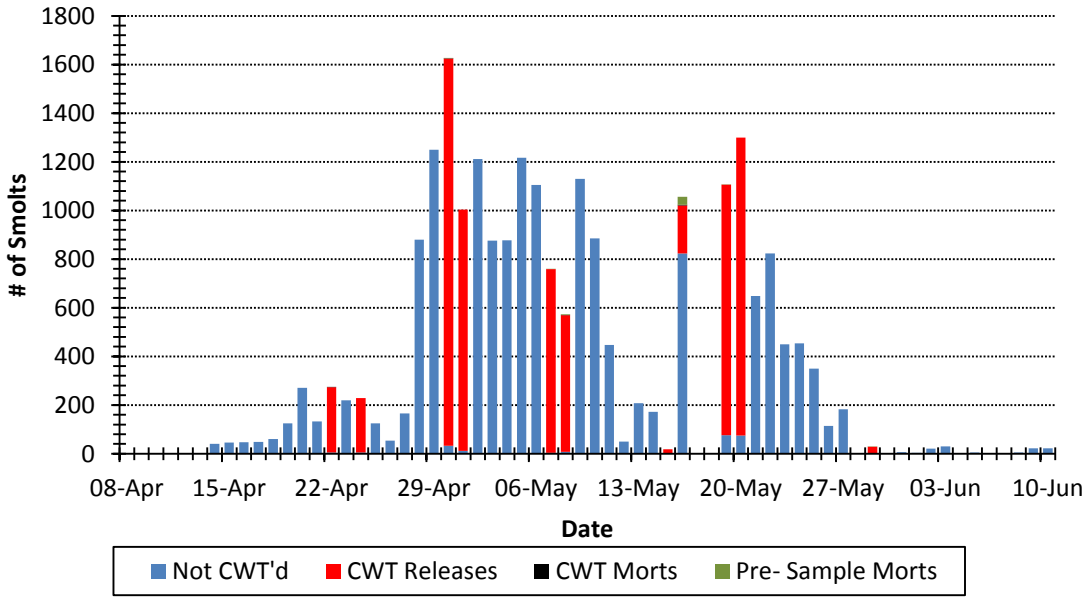

Figure 4. 2010 Black Creek daily Coho smolt out-migration.

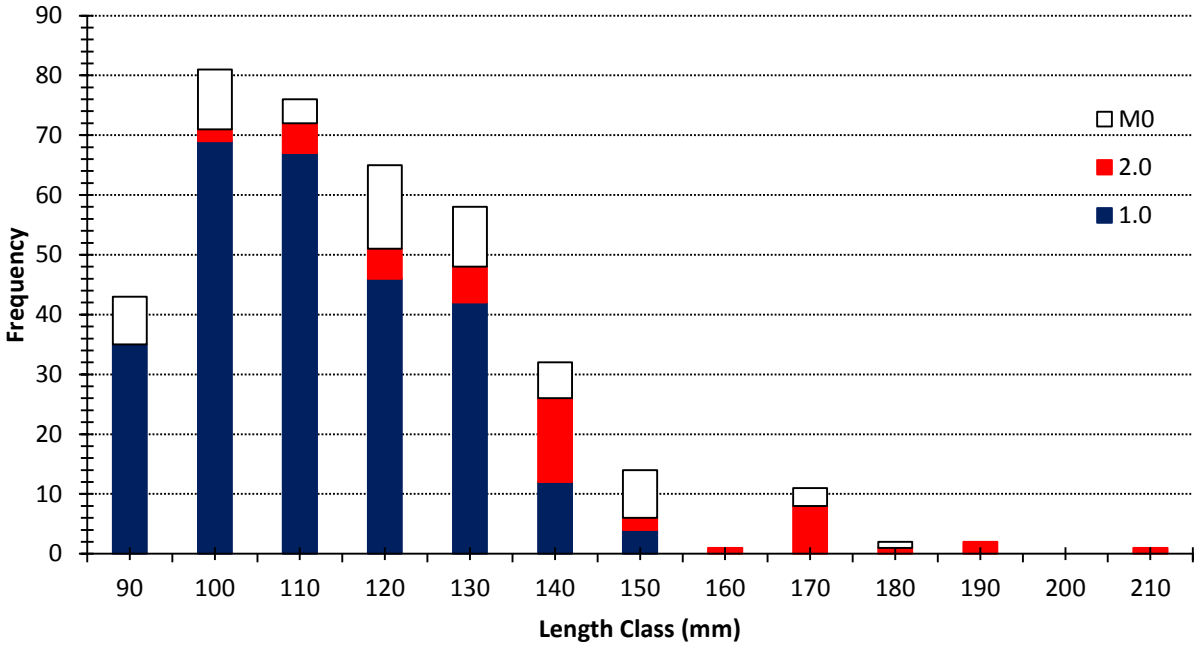

Figure 5. Smolt length frequency by age class (N=583). X-axis value represents low end of category (e.g., Length Class “80” represents fish 75-84 mm).

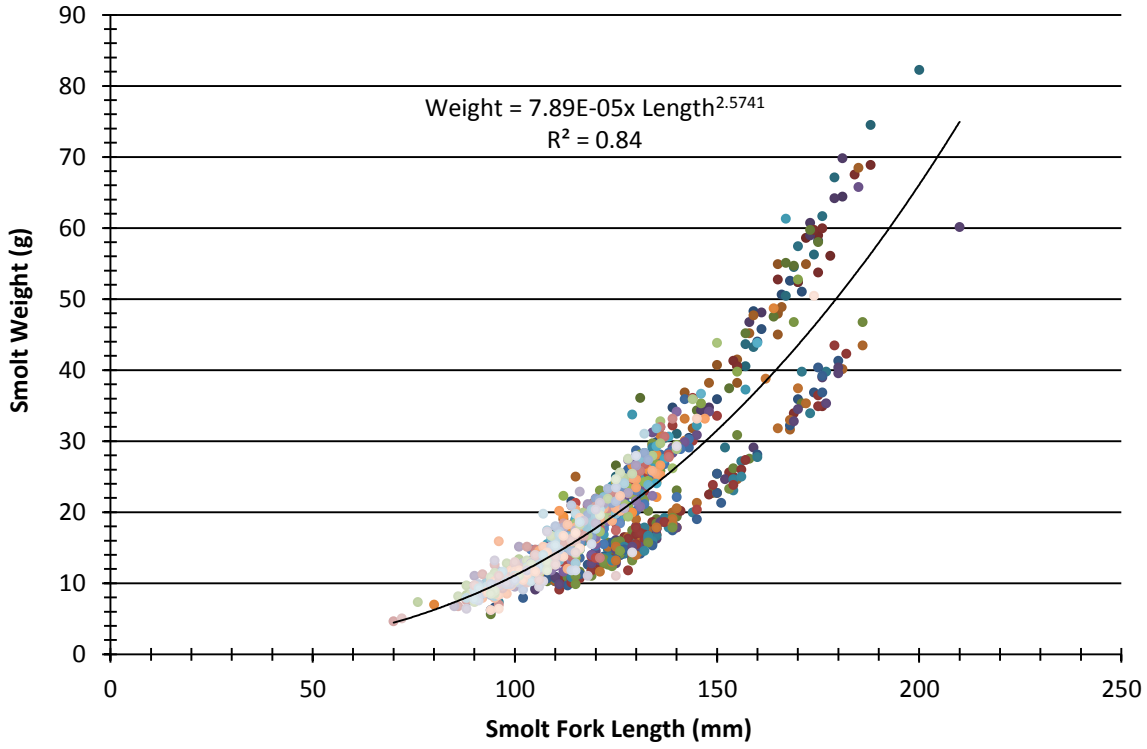

Figure 6. Black Creek Coho smolts length-weight relationship, (N = 1698).

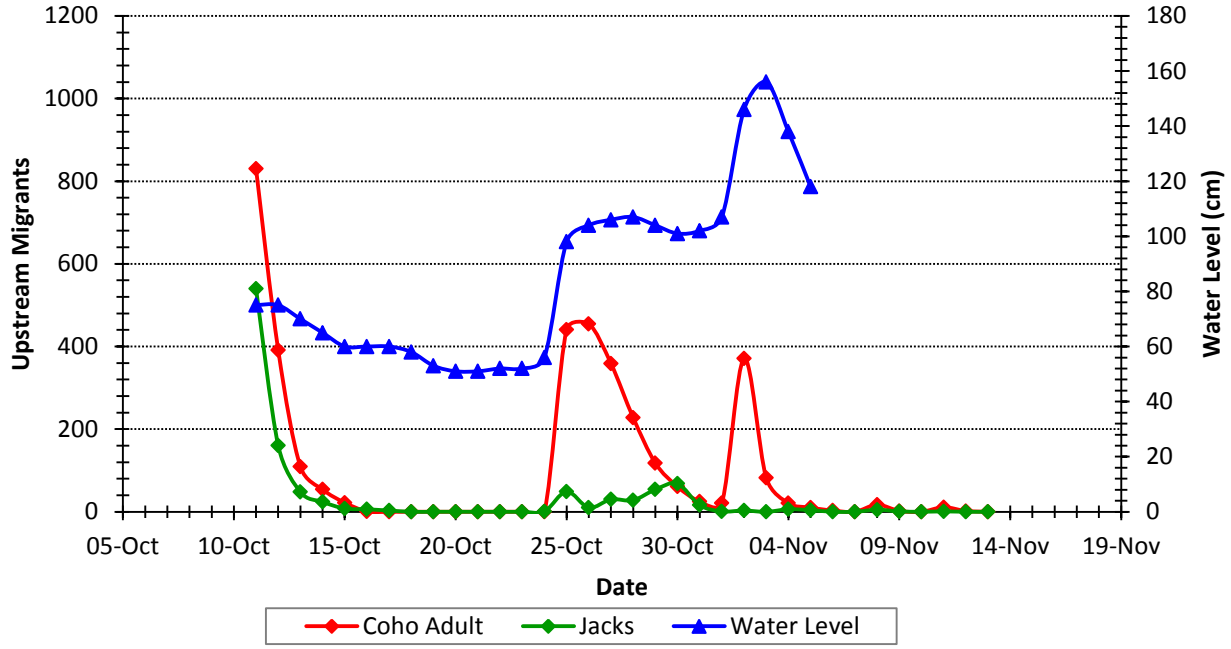

Figure 7. Adult and jack Coho escapement and corresponding water levels, 2010.

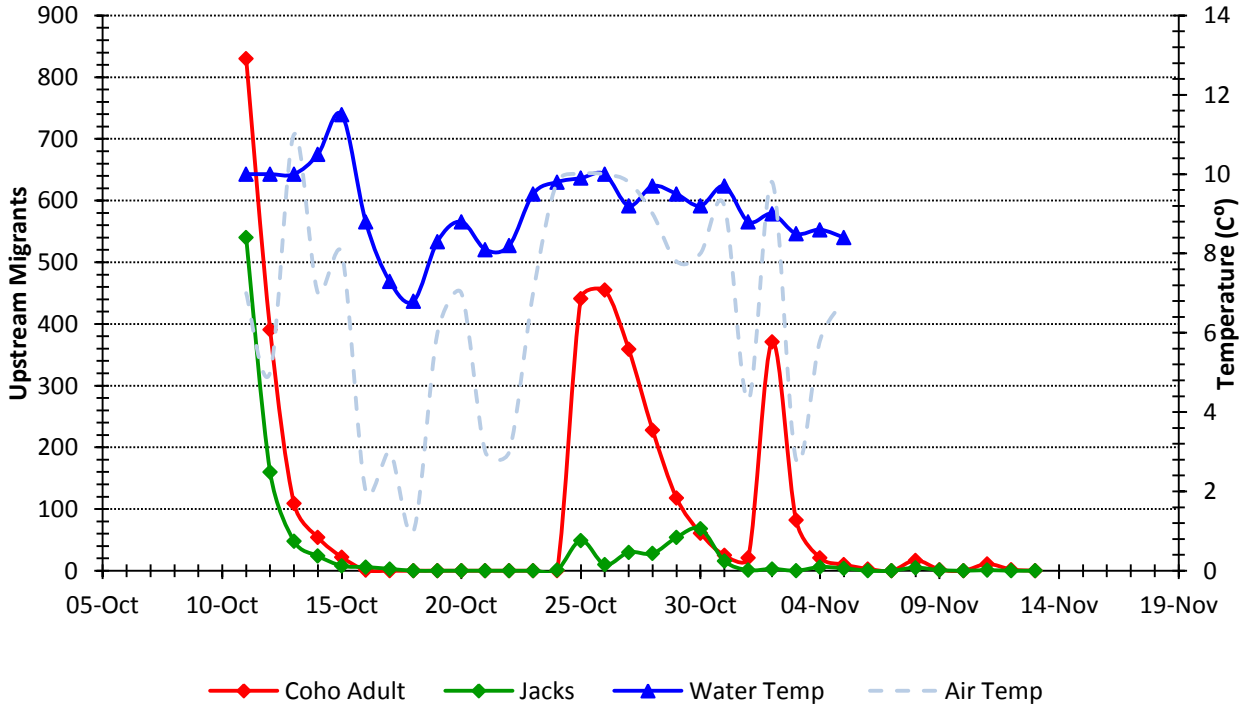

Figure 8. Air and water temperature time-series during adult migration period, 2010.

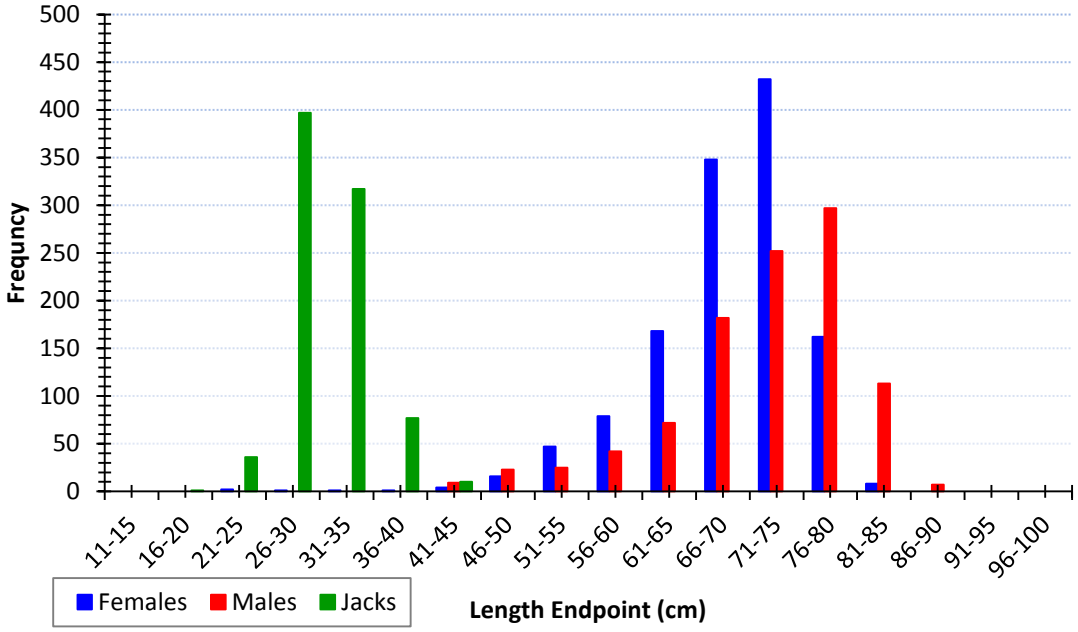

Figure 9. Length-frequency distribution of Coho adults and jacks, 2010.

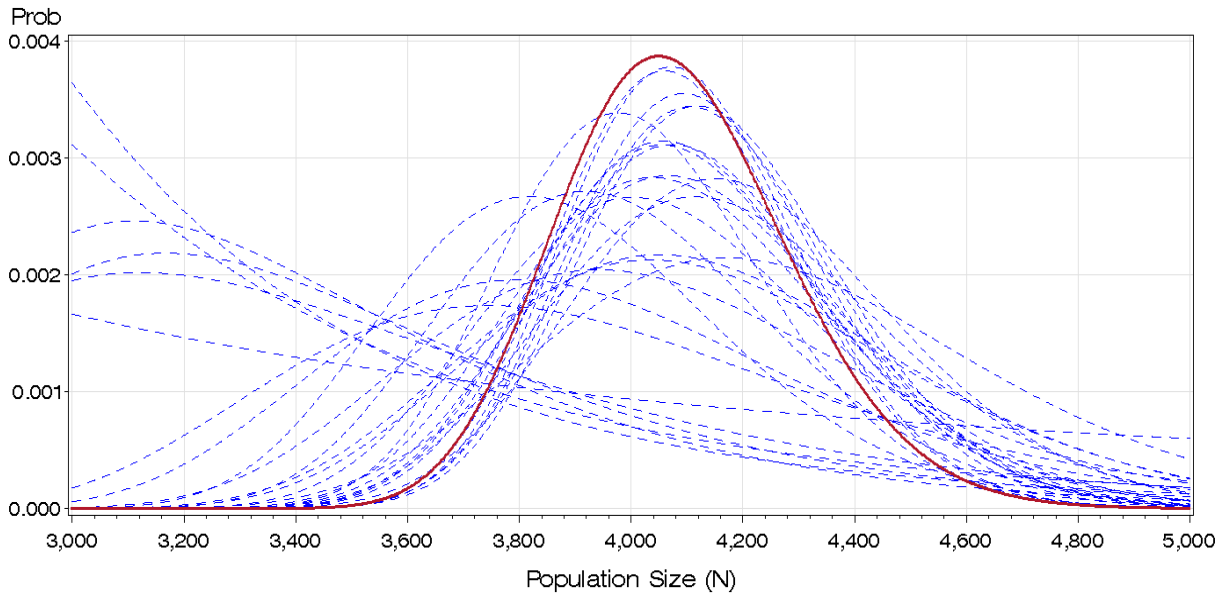

Figure 10. Sequential plots of the posterior distribution of the Bayesian population estimate for 2010 Coho adults from marked releases. Final sequence is depicted by solid line. Modal estimate is 4,050 adults (95% confidence range: 3,758 – 4,444).

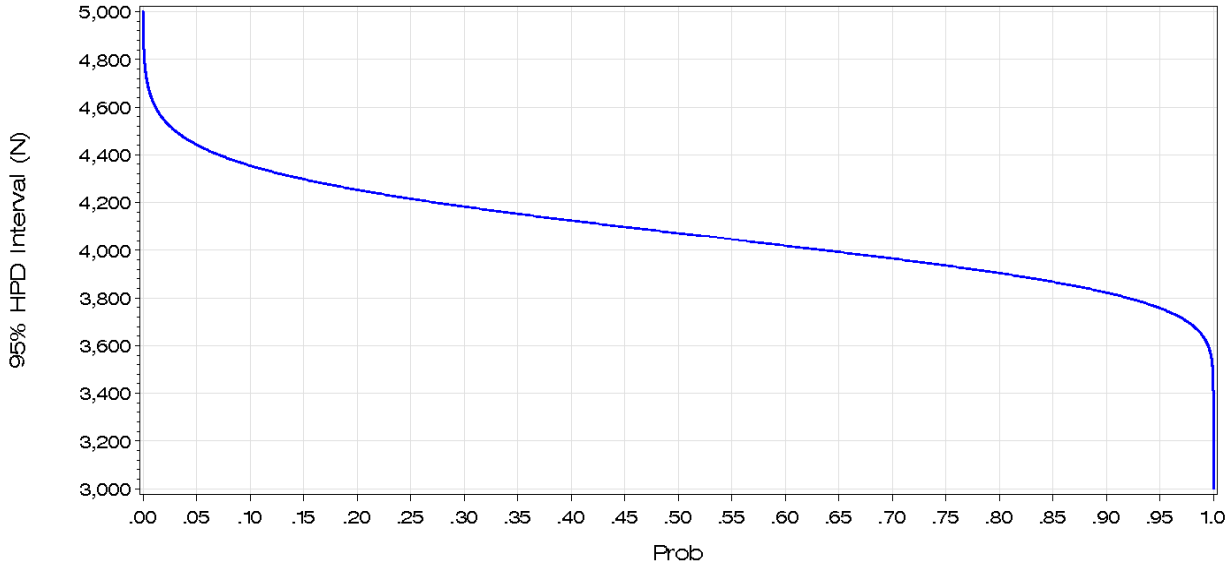

Figure 11. Minimum and maximum population estimates and precision (3,758 < Pop < 4,444; α = 0.05) based on posterior distribution of the Bayesian population estimate for Coho adults, 2010.

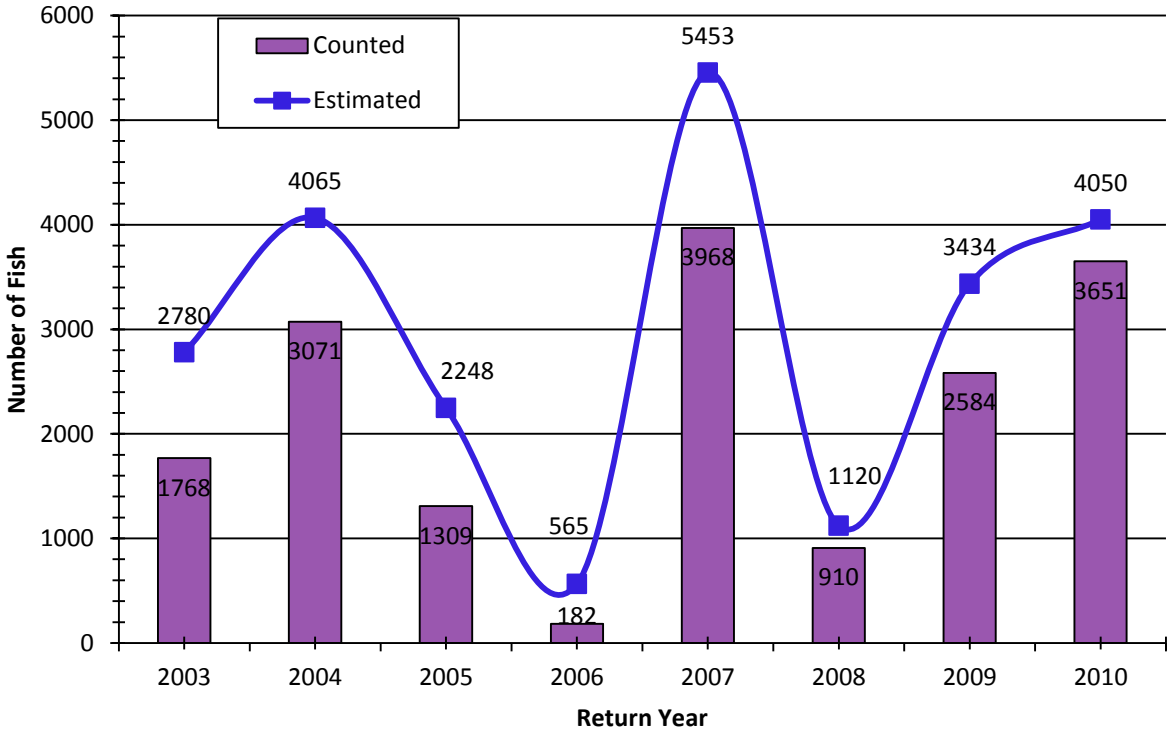

Figure 12. Black Creek adult Coho fence counts and Bayesian population estimates, 2003-2010.

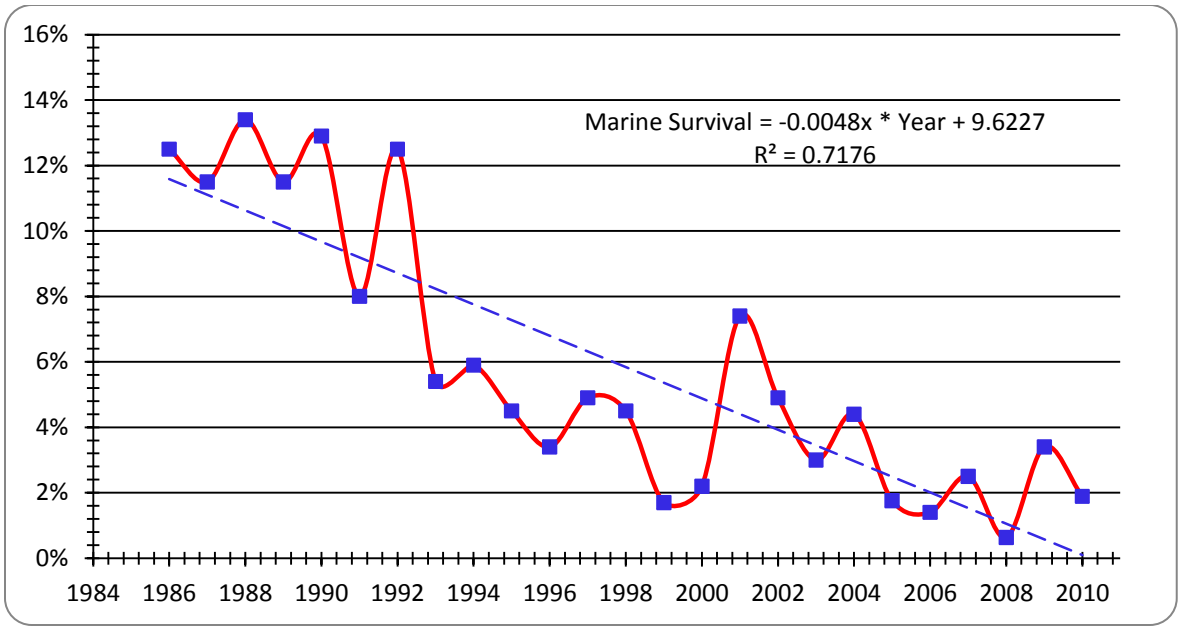

Figure 13. Trend in Black Creek adult Coho marine survival, by return year, 1986-2010.

APPENDICES

Appendix A. Daily water level and temperature during the 2010 spring outmigration.

Date	Day	Water Temp (C°)	Air Temp (C°)	Water Level (cm)	Weather	Comments
10-Apr-10	Sat	6.4	6.7	85	Sun	1st Day Checked, No Coho Smolts
11-Apr-10	Sun	7.5	9.9	86	Sun	No Coho Smolts
12-Apr-10	Mon	7.9	10.6	82	Sun	
13-Apr-10	Tue	9.3	10	79	Sun	
14-Apr-10	Wed	10	9.7	76	Cloud	
15-Apr-10	Thu	10	12	70	Sun	DFO
16-Apr-10	Fri	10	9	69	Cloud	DFO
17-Apr-10	Sat	11.1	10	67	Cloud/Rain	
18-Apr-10	Sun	10.7	12	69	Cloud	
19-Apr-10	Mon	11.3	12	68	Cloud/Rain	
20-Apr-10	Tue	11.4	10	74	Rain	Water level high
21-Apr-10	Wed	10	14	71	Sun	DFO
22-Apr-10	Thu	9.9	11.5	69	Sun	
23-Apr-10	Fri	9.5	9	66	Cloud	DFO
24-Apr-10	Sat	9.2	9.3	66	Cloud/Rain	
25-Apr-10	Sun	10	9.6	64	Cloud	
26-Apr-10	Mon	9.3	9	63	Cloud	
27-Apr-10	Tue	9.9	7	78	Cloud	Water level high from rain
28-Apr-10	Wed	10.3	8.9	78	Cloud/Rain	Water level high
29-Apr-10	Thu	9.7	10.5	76	Sun	DFO
30-Apr-10	Fri	10.5	12	72	Cloud	DFO
1-May-10	Sat	10.1	10	69	Cloud	
2-May-10	Sun	10.3	10.1	67	Cloud	Water level dropping rapidly
3-May-10	Mon	9	7.1	76	Cloud/Rain	Water level high from rain
4-May-10	Tue	8	6.8	73	Cloud/Rain	
5-May-10	Wed	8.6	7.1	68	Sun	
6-May-10	Thu	9	12	66	Sun	
7-May-10	Fri	9.5	12.5	64	Sun	
8-May-10	Sat	10.6	13	64	Sun	
9-May-10	Sun	10.3	12	63	Sun	
10-May-10	Mon	10.8	9.8	60	Cloud	
11-May-10	Tue	10.2	11.7	58	Sun	DFO kept 100+ in box
12-May-10	Wed	11.9	11	57	Cloud	
13-May-10	Thu	12.5	15	56	Sun	

Date	Day	Water Temp (C°)	Air Temp (C°)	Water Level (cm)	Weather	Comments
14-May-10	Fri	13	16	54.5	Sun	
15-May-10	Sat	11.9	9	56	Sun	DFO
16-May-10	Sun					Box was broken
17-May-10	Mon	15	15	52	Sun	Box was broken
18-May-10	Tues	13.5	12	50	Rain	
19-May-10	Wed	12.4	12.1	53	Cloud	DFO
20-May-10	Thu	11.2	8.1	55	Rain	
21-May-10	Fri	11.4	11.7	57	Rain	
22-May-10	Sat	9.7	12	55	Cloud	
23-May-10	Sun	10.7	12.2	54	Cloud	
24-May-10	Mon	10.7	12.6	53	Cloud	
25-May-10	Tue	11.1	11.4	58	Rain	
26-May-10	Wed	11.7	13.1	64	Rain	
27-May-10	Thu					
28-May-10	Fri	13	13.5	69	Cloud	
29-May-10	Sat	13.1	11.1	72	Rain	Water level at top of fence
30-May-10	Sun	12.5	11	71	Cloud	
31-May-10	Mon	12.1	12	76	Rain	
1-Jun-10	Tue	12	12	86	Rain	Pulled 3 fence panels for 30 mins
2-Jun-10	Wed	12.6	13	86	Sun	Water over fence, 2 Perch Small
3-Jun-10	Thu					
4-Jun-10	Fri	13	16		Sun	
5-Jun-10	Sat					
6-Jun-10	Sun					
7-Jun-10	Mon	13.8	13.6	76	Sun	
8-Jun-10	Tue	12.9	13	69	Sun	
9-Jun-10	Wed	13.8	12.6	70	Rain	

Appendix B. Daily catch of Coho smolts and fry at the Black Creek fence, 2010.

Date	Total Trap Smolts	Pre-Sample Morts	CWT Releases	CWT Morts	Not CWT'd	Total Smolts Released	% CWT	Total Trap Fry Released
7-Apr-10	0	0	0	0	0	0	0%	0
8-Apr-10	0	0	0	0	0	0	0%	0
9-Apr-10	0	0	0	0	0	0	0%	0
10-Apr-10	0	0	0	0	0	0	0%	5
11-Apr-10	0	0	0	0	0	0	0%	2
12-Apr-10	0	0	0	0	0	0	0%	0
13-Apr-10	40	0	0	0	40	40	0%	20
14-Apr-10	46	0	0	0	46	46	0%	6
15-Apr-10	47	0	0	0	47	47	0%	11
16-Apr-10	48	0	0	0	48	48	0%	7
17-Apr-10	60	0	0	0	60	60	0%	2
18-Apr-10	125	0	0	0	125	125	0%	2
19-Apr-10	271	0	0	0	271	271	0%	6
20-Apr-10	133	0	0	0	133	133	0%	2
21-Apr-10	274	0	268	1	5	273	98%	3
22-Apr-10	220	0	0	0	220	220	0%	6
23-Apr-10	228	0	223	0	5	228	98%	8
24-Apr-10	124	0	0	0	124	124	0%	0
25-Apr-10	53	0	0	0	53	53	0%	2
26-Apr-10	165	0	0	0	165	165	0%	1
27-Apr-10	880	0	0	0	880	880	0%	6
28-Apr-10	1250	0	0	0	1250	1250	0%	2
29-Apr-10	1629	1	1591	2	33	1626	98%	2
30-Apr-10	1004	0	993	0	11	1004	99%	11
1-May-10	1211	0	0	0	1211	1211	0%	1
2-May-10	876	0	0	0	876	876	0%	3
3-May-10	877	0	0	0	877	877	0%	3
4-May-10	1217	0	0	0	1217	1217	0%	0
5-May-10	1105	0	0	0	1105	1105	0%	1
6-May-10	760	1	756	0	3	759	99%	2
7-May-10	573	3	562	1	7	569	98%	2
8-May-10	1130	0	0	0	1130	1130	0%	1
9-May-10	885	0	0	0	885	885	0%	0
10-May-10	447	0	0	0	447	447	0%	2
11-May-10	50	0	0	0	50	50	0%	2
12-May-10	207	0	0	0	207	207	0%	1
13-May-10	172	0	0	0	172	172	0%	1

Date	Total Trap Smolts	Pre-Sample Morts	CWT Releases	CWT Morts	Not CWT'd	Total Smolts Released	% CWT	Total Trap Fry Released
14-May-10	18	0	18	0	0	18	100%	0
15-May-10	1056	33	198	2	823	1021	19%	9
16-May-10	0	0	0	0	0	0	0%	0
17-May-10	0	0	0	0	0	0	0%	0
18-May-10	1106	2	1030	0	76	1104	93%	1
19-May-10	1300	0	1225	0	75	1300	94%	3
20-May-10	648	0	0	0	648	648	0%	35
21-May-10	823	0	0	0	823	823	0%	111
22-May-10	450	0	0	0	450	450	0%	90
23-May-10	454	0	0	0	454	454	0%	92
24-May-10	349	0	0	0	349	349	0%	96
25-May-10	114	0	0	0	114	114	0%	50
26-May-10	183	0	0	0	183	183	0%	183
27-May-10	0	0	0	0	0	0	0%	0
28-May-10	30	1	29	0	0	29	97%	28
29-May-10	2	0	0	0	2	2	0%	0
30-May-10	6	0	0	0	6	6	0%	3
31-May-10	3	0	0	0	3	3	0%	8
1-Jun-10	21	0	0	0	21	21	0%	7
2-Jun-10	30	0	0	0	30	30	0%	34
3-Jun-10	0	0	0	0	0	0	0%	0
4-Jun-10	5	0	0	0	5	5	0%	64
5-Jun-10	0	0	0	0	0	0	0%	0
6-Jun-10	0	0	0	0	0	0	0%	0
7-Jun-10	5	0	0	0	5	5	0%	22
8-Jun-10	22	0	0	0	22	22	0%	36
9-Jun-10	22	0	0	0	22	22	0%	26
TOTAL	**22754**	**41**	**6893**	**6**	**15814**	**22707**	**30%**	**1021**

Appendix C. Daily catch of other species at the Black Creek out-migration fence, 2010.

Date	CUT Adult	Sculpin	Lamprey	Stickelback	Other	*All incidental catch released
10-Apr-10	0	0	0	0		0
11-Apr-10	2	0	0	0		2
12-Apr-10	3	0	0	0		3
13-Apr-10	22	0	0	0		22
14-Apr-10	21	0	0	0		21
15-Apr-10	27	0	0	0		27
16-Apr-10	36	1	0	0	1 Bull Frog	38
17-Apr-10	30	2	0	0		32
18-Apr-10	35	1	0	0		36
19-Apr-10	25	0	0	0		25
20-Apr-10	20	1	0	0		21
21-Apr-10	14	1	0	0		15
22-Apr-10	18	1	0	0		19
23-Apr-10	21	0	0	0		21
24-Apr-10	14	0	0	0		14
25-Apr-10	11	0	0	0		11
26-Apr-10	22	0	0	0		22
27-Apr-10	57	0	0	0		57
28-Apr-10	30	1	0	0		31
29-Apr-10	73	1	0	0		74
30-Apr-10	37	0	0	0		37
1-May-10	50	0	0	0		50
2-May-10	23	0	0	0		23
3-May-10	27	1	1	0		29
4-May-10	23	0	0	0		23
5-May-10	8	0	0	0		8
6-May-10	11	1	0	2		14
7-May-10	18	1	1	0		20
8-May-10	30	1	0	0		31
9-May-10	35	0	0	0		35
10-May-10	34	0	0	0		34
11-May-10	3	1	0	0	1 Stealhead	5
12-May-10	21	0	0	0		21
13-May-10	2	6	1	0		9
14-May-10	0	0	0	0		0
15-May-10	0	0	0	0		0
16-May-10	0	0	0	0		0
17-May-10	0	0	0	0		0

Date	CUT Adult	Sculpin	Lamprey	Stickelback	Other	*All incidental catch released
18-May-10	0	0	0	0		0
19-May-10	0	0	0	0		0
20-May-10	12	2	4	0		18
21-May-10	0	1	0	0		1
22-May-10	0	2	1	0		3
23-May-10	2	0	0	0		2
24-May-10	1	0	0	0		1
25-May-10	0	0	0	0		0
26-May-10	0	0	0	0		0
27-May-10	0	0	0	0		0
28-May-10	0	0	0	0		0
29-May-10	2	0	0	0		2
30-May-10	5	0	0	0		5
31-May-10	0	0	0	0		0
1-Jun-10	2	1	0	0		3
2-Jun-10	1	2	0	0	2 Perch	5
3-Jun-10	0	0	0	0		0
4-Jun-10	0	0	0	0		0
5-Jun-10	0	0	0	0		0
6-Jun-10	0	0	0	0		0
7-Jun-10	1	4	0	2		7
8-Jun-10	1	2	0	3		6
9-Jun-10	1	0	0	3		4
TOTAL	**831**	**34**	**8**	**10**	**4**	**887**

Appendix D. Individual Coho smolt length (mm), weight (g), and scale age, 2010.

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
1	13-Apr-10	71066	1	110	14.2	22	10	
2	13-Apr-10	71066	2	124	19.3	0M	M0	RG
3	13-Apr-10	71066	3	130	21.8	22	10	
4	13-Apr-10	71066	4	93	9.2	22	10	
5	13-Apr-10	71066	5	115	15.9	22	10	
6	13-Apr-10	71066	6	132	22.7	22	10	
7	13-Apr-10	71066	7	133	23.1	22	10	
8	13-Apr-10	71066	8	124	19.3	22	10	
9	13-Apr-10	71066	9	156	34.9	33	20	
10	13-Apr-10	71066	10	196	62.8	33	20	
11	13-Apr-10	71066	11	155	34.3	33	20	
12	13-Apr-10	71066	12	125	19.7	22	10	
13	13-Apr-10	71066	13	125	19.7	33	20	
14	13-Apr-10	71066	14	110	14.2	22	10	
15	13-Apr-10	71066	15	118	17	22	10	
16	13-Apr-10	71066	16	150	31.5	0M	M0	RG
17	13-Apr-10	71066	17	176	47.6	33	20	
18	13-Apr-10	71066	18	175	46.9	33	20	
19	13-Apr-10	71066	19	175	46.9	0M	M0	RG
20	13-Apr-10	71066	20	142	27.4	33	20	
21	13-Apr-10	71066	21	115	15.9	22	10	
22	13-Apr-10	71066	22	182	51.9	33	20	
23	13-Apr-10	71066	23	174	46.2	33	20	
24	13-Apr-10	71066	24	178	49	0M	M0	RG
25	13-Apr-10	71066	25	210	75	33	20	
26	13-Apr-10	71067	1	172	44.9	0M	M0	RG
27	13-Apr-10	71067	2	171	44.2	33	20	
28	13-Apr-10	71067	3	120	17.8	22	10	
29	13-Apr-10	71067	4	132	22.7	22	10	
30	13-Apr-10	71067	5	134	23.6	33	20	
31	13-Apr-10	71067	6	132	22.7			UD
32	13-Apr-10	71067	7	122	18.5	22	10	
33	13-Apr-10	71067	8	131	22.3	22	10	
34	13-Apr-10	71067	9	113	15.2	22	10	
35	13-Apr-10	71067	10	115	15.9	22	10	
36	13-Apr-10	71067	11	92	9	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
37	13-Apr-10	71067	12	110	14.2	22	10	
38	14-Apr-10	71067	13	133	23.1	0M	M0	RG
39	14-Apr-10	71067	14	120	17.8	0M	M0	RG
40	14-Apr-10	71067	15	121	18.1	22	10	
41	14-Apr-10	71067	16	172	44.9			UD
42	14-Apr-10	71067	17	152	32.6	33	20	
43	14-Apr-10	71067	18	175	46.9	33	20	
44	14-Apr-10	71067	19	163	39.1	33	20	
45	14-Apr-10	71067	20	198	64.4	33	20	
46	14-Apr-10	71067	21	150	31.5	33	20	
47	14-Apr-10	71067	22	140	26.4			MF
48	14-Apr-10	71067	23	130	21.8	33	20	
49	14-Apr-10	71067	24	145	28.9	22	10	
50	14-Apr-10	71067	25	140	26.4	0M	M0	RG
51	14-Apr-10	71068	1	350	279.2	0M	M0	RG
52	19-Apr-10	71068	2	110	14.2	22	10	
53	19-Apr-10	71068	3	120	17.8	22	10	
54	19-Apr-10	71068	4	138	25.4	0M	M0	RG
55	19-Apr-10	71068	5	125	19.7	0M	M0	RG
56	19-Apr-10	71068	6	137	25	22	10	
57	19-Apr-10	71068	7	124	19.3	22	10	
58	19-Apr-10	71068	8	123	18.9	22	10	
59	19-Apr-10	71068	9	125	19.7	22	10	
60	19-Apr-10	71068	10	131	22.3	22	10	
61	19-Apr-10	71068	11	120	17.8	22	10	
62	19-Apr-10	71068	12	149	31	0M	M0	RG
63	19-Apr-10	71068	13	115	15.9	22	10	
64	19-Apr-10	71068	14	111	14.5	22	10	
65	19-Apr-10	71068	15	129	21.4	22	10	
66	19-Apr-10	71068	16	109	13.9	0M	M0	RG
67	19-Apr-10	71068	17	132	22.7	22	10	
68	19-Apr-10	71068	18	103	12	22	10	
69	19-Apr-10	71068	19	129	21.4	22	10	
70	19-Apr-10	71068	20	132	22.7	22	10	
71	19-Apr-10	71068	21	126	20.1	22	10	
72	19-Apr-10	71068	22	129	21.4	22	10	
73	19-Apr-10	71068	23	115	15.9	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
74	19-Apr-10	71068	24	135	24	22	10	
75	19-Apr-10	71068	25	139	25.9	0M	M0	RG
76	20-Apr-10	71069	1	127	20.5	33	20	
77	20-Apr-10	71069	2	147	29.9			UD
78	20-Apr-10	71069	3	131	22.3			UD
79	20-Apr-10	71069	4	137	25	22	10	
80	20-Apr-10	71069	5	119	17.4	22	10	
81	20-Apr-10	71069	6	129	21.4	0M	M0	RG
82	20-Apr-10	71069	7	121	18.1	22	10	
83	20-Apr-10	71069	8	122	18.5	0M	M0	RG
84	20-Apr-10	71069	9	139	25.9	22	10	
85	20-Apr-10	71069	10	135	24	0M	M0	RG
86	20-Apr-10	71069	11	112	14.9	22	10	
87	20-Apr-10	71069	12	129	21.4	22	10	
88	20-Apr-10	71069	13	154	33.7	33	20	
89	20-Apr-10	71069	14	126	20.1	0M	M0	RG
90	20-Apr-10	71069	15	128	21	22	10	
91	20-Apr-10	71069	16	122	18.5	0M	M0	RG
92	20-Apr-10	71069	17	129	21.4	22	10	
93	20-Apr-10	71069	18	111	14.5	22	10	
94	20-Apr-10	71069	19	125	19.7	22	10	
95	20-Apr-10	71069	20	115	15.9	22	10	
96	20-Apr-10	71069	21	123	18.9	22	10	
97	20-Apr-10	71069	22	146	29.4	0M	M0	RG
98	20-Apr-10	71069	23	116	16.3	22	10	
99	20-Apr-10	71069	24	117	16.6	33	20	
100	20-Apr-10	71069	25	143	27.9	0M	M0	RG
101	22-Apr-10	71070	1	147	29.9	22	10	
102	22-Apr-10	71070	2	130	21.8	22	10	
103	22-Apr-10	71070	3	135	24	22	10	
104	22-Apr-10	71070	4	134	23.6	22	10	
105	22-Apr-10	71070	5	154	33.7	0M	M0	RG
106	22-Apr-10	71070	6	136	24.5	22	10	
107	22-Apr-10	71070	7	117	16.6	0M	M0	RG
108	22-Apr-10	71070	8	138	25.4			UD
109	22-Apr-10	71070	9	118	17	22	10	
110	22-Apr-10	71070	10	104	12.3	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
111	22-Apr-10	71070	11	132	22.7	0M	M0	RG
112	22-Apr-10	71070	12	123	18.9	22	10	
113	22-Apr-10	71070	13	118	17	22	10	
114	22-Apr-10	71070	14	152	32.6	33	20	
115	22-Apr-10	71070	15	95	9.7	22	10	
116	22-Apr-10	71070	16	118	17	22	10	
117	22-Apr-10	71070	17	135	24	22	10	
118	22-Apr-10	71070	18	138	25.4	22	10	
119	22-Apr-10	71070	19	137	25	22	10	
120	22-Apr-10	71070	20	119	17.4	33	20	
121	22-Apr-10	71070	21	143	27.9	22	10	
122	22-Apr-10	71070	22	144	28.4	33	20	
123	22-Apr-10	71070	23	-	#VALUE!	22	10	
124	22-Apr-10	71070	24	136	24.5	22	10	
125	22-Apr-10	71070	25	150	31.5	0M	M0	RG
126	26-Apr-10	71071	1	105	12.6	22	10	
127	26-Apr-10	71071	2	142	27.4	33	20	
128	26-Apr-10	71071	3	142	27.4	33	20	
129	26-Apr-10	71071	4	112	14.9	22	10	
130	26-Apr-10	71071	5	148	30.5	33	20	
131	26-Apr-10	71071	6	150	31.5	33	20	
132	26-Apr-10	71071	7	147	29.9	33	20	
133	26-Apr-10	71071	8	147	29.9	22	10	
134	26-Apr-10	71071	9	140	26.4	33	20	
135	26-Apr-10	71071	10	141	26.9	0M	M0	RG
136	26-Apr-10	71071	11	144	28.4			MF
137	26-Apr-10	71071	12	111	14.5	22	10	
138	26-Apr-10	71071	13	104	12.3	22	10	
139	26-Apr-10	71071	14	113	15.2	22	10	
140	26-Apr-10	71071	15	144	28.4	33	20	
141	26-Apr-10	71071	16	109	13.9	22	10	
142	26-Apr-10	71071	17	152	32.6	33	20	
143	26-Apr-10	71071	18	144	28.4	22	10	
144	26-Apr-10	71071	19	154	33.7	0M	M0	RG
145	26-Apr-10	71071	20	105	12.6	22	10	
146	26-Apr-10	71071	21	110	14.2	22	10	
147	26-Apr-10	71071	22	142	27.4	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
148	26-Apr-10	71071	23	109	13.9			UD
149	26-Apr-10	71071	24	144	28.4	33	20	
150	26-Apr-10	71071	25	112	14.9	22	10	
151	28-Apr-10	71072	1	105	12.6			UD
152	28-Apr-10	71072	2	110	14.2	22	10	
153	28-Apr-10	71072	3	108	13.5	0M	M0	RG
154	28-Apr-10	71072	4	109	13.9	22	10	
155	28-Apr-10	71072	5	95	9.7	0M	M0	RG
156	28-Apr-10	71072	6	103	12	22	10	
157	28-Apr-10	71072	7	108	13.5	22	10	
158	28-Apr-10	71072	8	145	28.9	33	20	
159	28-Apr-10	71072	9	145	28.9	22	10	
160	28-Apr-10	71072	10	109	13.9	22	10	
161	28-Apr-10	71072	11	104	12.3	22	10	
162	28-Apr-10	71072	12	105	12.6	22	10	
163	28-Apr-10	71072	13	103	12	33	20	
164	28-Apr-10	71072	14	146	29.4	0M	M0	RG
165	3-May-10	71072	15	98	10.5	22	10	
166	3-May-10	71072	16	104	12.3	22	10	
167	3-May-10	71072	17	108	13.5	22	10	
168	3-May-10	71072	18	108	13.5	22	10	
169	3-May-10	71072	19	94	9.5	22	10	
170	3-May-10	71072	20	109	13.9	22	10	
171	3-May-10	71072	21	145	28.9	22	10	
172	3-May-10	71072	22	108	13.5	0M	M0	RG
173	3-May-10	71072	23	104	12.3	22	10	
174	3-May-10	71072	24	92	9	0M	M0	RG
175	3-May-10	71072	25	105	12.6	22	10	
176	3-May-10	71073	1	105	12.6	22	10	
177	3-May-10	71073	2	146	29.4	22	10	
178	3-May-10	71073	3	105	12.6	22	10	
179	3-May-10	71073	4	100	11.1	22	10	
180	3-May-10	71073	5	95	9.7	22	10	
181	3-May-10	71073	6	104	12.3	22	10	
182	3-May-10	71073	7	104	12.3	22	10	
183	4-May-10	71073	8	98	10.5	22	10	
184	4-May-10	71073	9	90	8.5	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
185	4-May-10	71073	10	103	12	22	10	
186	4-May-10	71073	11	104	12.3	22	10	
187	4-May-10	71073	12	98	10.5	0M	M0	DM
188	4-May-10	71073	13	94	9.5	22	10	
189	4-May-10	71073	14	93	9.2	22	10	
190	4-May-10	71073	15	94	9.5	22	10	
191	4-May-10	71073	16	98	10.5	22	10	
192	4-May-10	71073	17	97	10.3	22	10	
193	4-May-10	71073	18	94	9.5	22	10	
194	5-May-10	71074	1	145	28.9	33	20	
195	5-May-10	71074	2	126	20.1	22	10	
196	5-May-10	71074	3	126	20.1	22	10	
197	5-May-10	71074	4	114	15.6	22	10	
198	5-May-10	71074	5	120	17.8	0M	M0	RG
199	5-May-10	71074	6	125	19.7			UD
200	5-May-10	71074	7	110	14.2	22	10	
201	5-May-10	71074	8	136	24.5	33	20	
202	5-May-10	71074	9	100	11.1	22	10	
203	5-May-10	71074	10	120	17.8	33	20	
204	5-May-10	71074	11	118	17	22	10	
205	5-May-10	71074	12	121	18.1	22	10	
206	5-May-10	71074	13	115	15.9	22	10	
207	5-May-10	71074	14	115	15.9	22	10	
208	5-May-10	71074	15	105	12.6	22	10	
209	5-May-10	71074	16	105	12.6	22	10	
210	5-May-10	71074	17	106	12.9	22	10	
211	5-May-10	71074	18	130	21.8	0M	M0	RG
212	5-May-10	71074	19	104	12.3	22	10	
213	5-May-10	71074	20	102	11.7			UD
214	5-May-10	71074	21	135	24	22	10	
215	5-May-10	71074	22	135	24	22	10	
216	5-May-10	71074	23	114	15.6	22	10	
217	5-May-10	71074	24	132	22.7	33	20	
218	5-May-10	71074	25	98	10.5	0M	M0	RG
219	5-May-10	71075	1	105	12.6	22	10	
220	5-May-10	71075	2	107	13.2	22	10	
221	5-May-10	71075	3	127	20.5	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
222	5-May-10	71075	4	105	12.6	0M	M0	RG
223	5-May-10	71075	5	102	11.7	22	10	
224	5-May-10	71075	6	106	12.9	22	10	
225	5-May-10	71075	7	110	14.2	22	10	
226	10-May-10	71075	8	124	19.3	22	10	
227	10-May-10	71075	9	159	36.6	22	10	
228	10-May-10	71075	10	125	19.7	22	10	
229	10-May-10	71075	11	128	21	22	10	
230	10-May-10	71075	12	129	21.4	22	10	
231	10-May-10	71075	13	115	15.9	22	10	
232	10-May-10	71075	14	112	14.9	22	10	
233	10-May-10	71075	15	132	22.7	0M	M0	RG
234	10-May-10	71075	16	113	15.2	22	10	
235	10-May-10	71075	17	130	21.8	0M	M0	RG
236	10-May-10	71075	18	135	24	22	10	
237	10-May-10	71075	19	110	14.2	22	10	
238	10-May-10	71075	20	94	9.5	0M	M0	RG
239	10-May-10	71075	21	106	12.9	22	10	
240	10-May-10	71075	22	106	12.9	22	10	
241	10-May-10	71075	23	124	19.3	22	10	
242	10-May-10	71075	24	120	17.8	22	10	
243	10-May-10	71075	25	103	12	22	10	
244	10-May-10	71076	1	96	10	22	10	
245	10-May-10	71076	2	104	12.3	0M	M0	RG
246	10-May-10	71076	3	115	15.9	22	10	
247	10-May-10	71076	4	145	28.9	33	20	
248	10-May-10	71076	5	121	18.1	22	10	
249	10-May-10	71076	6	118	17	22	10	
250	10-May-10	71076	7	108	13.5	33	20	
251	11-May-10	71076	8	130	21.8	22	10	
252	11-May-10	71076	9	101	11.4	22	10	
253	11-May-10	71076	10	124	19.3	0M	M0	RG
254	11-May-10	71076	11	112	14.9	22	10	
255	11-May-10	71076	12	109	13.9	22	10	
256	11-May-10	71076	13	116	16.3	22	10	
257	11-May-10	71076	14	115	15.9	22	10	
258	11-May-10	71076	15	98	10.5	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
259	11-May-10	71076	16	107	13.2	22	10	
260	11-May-10	71076	17	106	12.9	0M	M0	RG
261	11-May-10	71076	18	109	13.9	22	10	
262	11-May-10	71076	19	112	14.9	22	10	
263	11-May-10	71076	20	113	15.2	22	10	
264	11-May-10	71076	21	114	15.6	22	10	
265	11-May-10	71076	22	114	15.6	22	10	
266	11-May-10	71076	23	115	15.9	22	10	
267	11-May-10	71076	24	109	13.9	22	10	
268	11-May-10	71076	25	135	24	22	10	
269	11-May-10	71077	1	121	18.1	0M	M0	RG
270	11-May-10	71077	2	110	14.2	22	10	
271	11-May-10	71077	3	121	18.1	22	10	
272	11-May-10	71077	4	112	14.9	22	10	
273	11-May-10	71077	5	119	17.4	0M	M0	RG
274	11-May-10	71077	6	135	24	22	10	
275	11-May-10	71077	7	128	21	0M	M0	RG
276	12-May-10	71077	8	110	14.2	22	10	
277	12-May-10	71077	9	129	21.4	22	10	
278	12-May-10	71077	10	129	21.4	22	10	
279	12-May-10	71077	11	136	24.5	22	10	
280	12-May-10	71077	12	119	17.4	22	10	
281	12-May-10	71077	13	116	16.3	0M	M0	RG
282	12-May-10	71077	14	118	17	22	10	
283	12-May-10	71077	15	131	22.3	22	10	
284	12-May-10	71077	16	134	23.6	22	10	
285	12-May-10	71077	17	98	10.5	22	10	
286	12-May-10	71077	18	143	27.9	22	10	
287	12-May-10	71077	19	101	11.4	22	10	
288	12-May-10	71077	20	118	17	22	10	
289	12-May-10	71077	21	121	18.1	22	10	
290	12-May-10	71077	22	179	49.7	33	20	
291	12-May-10	71077	23	155	34.3	22	10	
292	12-May-10	71077	24	129	21.4	0M	M0	RG
293	12-May-10	71077	25	115	15.9	22	10	
294	12-May-10	71078	1	131	22.3	22	10	
295	12-May-10	71078	2	131	22.3	33	20	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
296	12-May-10	71078	3	134	23.6	22	10	
297	12-May-10	71078	4	104	12.3	22	10	
298	12-May-10	71078	5	98	10.5	22	10	
299	12-May-10	71078	6	127	20.5	33	20	
300	12-May-10	71078	7	122	18.5	22	10	
301	12-May-10	71078	8	136	24.5	22	10	
302	12-May-10	71078	9	126	20.1	22	10	
303	12-May-10	71078	10	127	20.5	0M	M0	RG
304	12-May-10	71078	11	99	10.8	22	10	
305	12-May-10	71078	12	133	23.1	0M	M0	RG
306	12-May-10	71078	13	100	11.1	22	10	
307	12-May-10	71078	14	124	19.3	22	10	
308	12-May-10	71078	15	134	23.6	22	10	
309	12-May-10	71078	16	125	19.7	22	10	
310	12-May-10	71078	17	131	22.3	22	10	
311	12-May-10	71078	18	96	10	22	10	
312	12-May-10	71078	19	131	22.3	22	10	
313	12-May-10	71078	20	130	21.8	33	20	
314	12-May-10	71078	21	120	17.8	22	10	
315	12-May-10	71078	22	142	27.4	33	20	
316	12-May-10	71078	23	122	18.5	33	20	
317	12-May-10	71078	24	141	26.9	22	10	
318	12-May-10	71078	25	104	12.3	22	10	
319	12-May-10	71079	1	90	8.5	22	10	
320	12-May-10	71079	2	101	11.4	22	10	
321	12-May-10	71079	3	93	9.2	22	10	
322	12-May-10	71079	4	97	10.3	0M	M0	RG
323	12-May-10	71079	5	104	12.3	22	10	
324	12-May-10	71079	6	101	11.4	22	10	
325	12-May-10	71079	7	96	10	22	10	
326	18-May-10	71079	8	99	10.8	22	10	
327	18-May-10	71079	9	137	25	22	10	
328	18-May-10	71079	10	102	11.7	22	10	
329	18-May-10	71079	11	92	9	22	10	
330	18-May-10	71079	12	135	24	22	10	
331	18-May-10	71079	13	92	9	22	10	
332	18-May-10	71079	14	93	9.2	22	10	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
333	18-May-10	71079	15	91	8.7	22	10	
334	18-May-10	71079	16	94	9.5	22	10	
335	18-May-10	71079	17	91	8.7	22	10	
336	18-May-10	71079	18	94	9.5	22	10	
337	18-May-10	71079	19	139	25.9	22	10	
338	18-May-10	71079	20	136	24.5	22	10	
339	24-May-10	71080	1	96	10	0M	M0	RG
340	24-May-10	71080	2	101	11.4	22	10	
341	24-May-10	71080	3	102	11.7	22	10	
342	24-May-10	71080	4	106	12.9	22	10	
343	24-May-10	71080	5	108	13.5	22	10	
344	24-May-10	71080	6	116	16.3	22	10	
345	24-May-10	71080	7	106	12.9	22	10	
346	24-May-10	71080	8	134	23.6	22	10	
347	24-May-10	71080	9	109	13.9	22	10	
348	24-May-10	71080	10	100	11.1	22	10	
349	24-May-10	71080	11	100	11.1	22	10	
350	24-May-10	71080	12	106	12.9	22	10	
351	24-May-10	71080	13	104	12.3	22	10	
352	24-May-10	71080	14	105	12.6	0M	M0	RG
353	24-May-10	71080	15	102	11.7	22	10	
354	24-May-10	71080	16	109	13.9	0M	M0	RG
355	24-May-10	71080	17	91	8.7	22	10	
356	24-May-10	71080	18	104	12.3	0M	M0	RG
357	24-May-10	71080	19	105	12.6	22	10	
358	24-May-10	71080	20	98	10.5	0M	M0	RG
359	24-May-10	71080	21	103	12	22	10	
360	24-May-10	71080	22	99	10.8	22	10	
361	24-May-10	71080	23	103	12			UD
362	24-May-10	71080	24	100	11.1	22	10	
363	24-May-10	71080	25	100	11.1	0M	M0	RG
364	24-May-10	71081	1	111	14.5	22	10	
365	24-May-10	71081	2	139	25.9	22	10	
366	24-May-10	71081	3	128	21	22	10	
367	24-May-10	71081	4	112	14.9	33	20	
368	24-May-10	71081	5	125	19.7	22	10	
369	24-May-10	71081	6	147	29.9	33	20	

Fish	Date	Scale Book	Scale Number	Length (mm)	*Weight (g)	Gilbert-Rich Age	European Age	Scale Quality
370	24-May-10	71081	7	115	15.9	22	10	
371	24-May-10	71081	8	114	15.6	22	10	
372	24-May-10	71081	9	121	18.1	22	10	
373	24-May-10	71081	10	124	19.3	22	10	
374	24-May-10	71081	11	116	16.3	22	10	
375	24-May-10	71081	12	114	15.6	0M	M0	RG
376	24-May-10	71081	13	126	20.1	22	10	
377	24-May-10	71081	14	142	27.4	22	10	
378	24-May-10	71081	15	116	16.3	22	10	
379	24-May-10	71081	16	110	14.2	22	10	
380	24-May-10	71081	17	110	14.2	22	10	
381	24-May-10	71081	18	119	17.4	22	10	
382	24-May-10	71081	19	133	23.1	0M	M0	RG
383	24-May-10	71081	20	119	17.4	22	10	
384	24-May-10	71081	21	110	14.2	22	10	
385	24-May-10	71081	22	132	22.7	22	10	
386	24-May-10	71081	23	112	14.9	22	10	
387	24-May-10	71081	24	120	17.8	0M	M0	RG
388	24-May-10	71081	25	115	15.9	33	20	
389	24-May-10	71082	1	107	13.2	22	10	
390	24-May-10	71082	2	108	13.5	22	10	
391	24-May-10	71082	3	111	14.5	33	20	
392	24-May-10	71082	4	114	15.6	22	10	
393	24-May-10	71082	5	179	49.7	33	20	
394	24-May-10	71082	6	90	8.5	11	0	
395	24-May-10	71082	7	107	13.2	22	10	
396	24-May-10	71082	8	91	8.7	22	10	
397	24-May-10	71082	9	180	50.4	0M	M0	RG
398	24-May-10	71082	10	100	11.1	22	10	
399	24-May-10	71082	11	90	8.5	11	0	
400	24-May-10	71082	12	104	12.3	22	10	
401	24-May-10	71082	13	90	8.5	11	0	
402	24-May-10	71082	14	173	45.5	33	20	
403	24-May-10	71082	15	91	8.7	11	0	
404	24-May-10	71082	16	97	10.3	11	0	
405	24-May-10	71082	17	94	9.5	22	10	

Appendix E. Individual Coho smolt length (mm), weight (g), and condition factor (KC), 2010 by period.

Period 1				
Date	Fish	Length	Weight	KC
14-Apr-10	1	175	58.2	1.09
14-Apr-10	2	172	58.6	1.15
14-Apr-10	3	165	48.3	1.08
14-Apr-10	4	125	22.3	1.14
14-Apr-10	5	125	25	1.28
14-Apr-10	6	112	19	1.35
14-Apr-10	7	122	20	1.1
14-Apr-10	8	100	11.4	1.14
14-Apr-10	9	125	26.6	1.36
14-Apr-10	10	132	28.1	1.22
14-Apr-10	11	170	52.4	1.07
14-Apr-10	12	165	54.9	1.22
14-Apr-10	13	134	26.8	1.11
14-Apr-10	14	125	21.1	1.08
14-Apr-10	15	126	21.5	1.08
14-Apr-10	16	110	14.4	1.08
14-Apr-10	17	140	31	1.13
14-Apr-10	18	122	21.7	1.2
14-Apr-10	19	110	15.1	1.14
14-Apr-10	20	113	16.3	1.13
14-Apr-10	21	100	12.2	1.22
14-Apr-10	22	131	25	1.11
14-Apr-10	23	188	74.5	1.12
14-Apr-10	24	150	40.7	1.21
14-Apr-10	25	130	25.4	1.16
14-Apr-10	26	120	18.4	1.07
14-Apr-10	27	131	36.1	1.61
14-Apr-10	28	126	21.7	1.09
14-Apr-10	29	125	22.3	1.14
14-Apr-10	30	155	38.2	1.03
14-Apr-10	31	143	30.5	1.04
14-Apr-10	32	178	56.1	0.99
14-Apr-10	33	115	17.5	1.15
17-Apr-10	35	108	14.7	1.17
17-Apr-10	36	157	40.5	1.05

Period 1				
Date	Fish	Length	Weight	KC
17-Apr-10	37	165	47.9	1.07
17-Apr-10	38	139	34.7	1.29
17-Apr-10	39	125	22.5	1.15
17-Apr-10	40	138	28.1	1.07
17-Apr-10	41	181	64.4	1.09
17-Apr-10	42	200	82.3	1.03
17-Apr-10	43	142	36.9	1.29
17-Apr-10	44	130	27.9	1.27
17-Apr-10	45	175	59	1.1
17-Apr-10	46	115	17.3	1.14
17-Apr-10	47	129	24.4	1.14
17-Apr-10	48	126	22.1	1.11
17-Apr-10	49	172	54.9	1.08
17-Apr-10	50	159	48.3	1.2
17-Apr-10	51	119	20.8	1.23
17-Apr-10	52	132	24.6	1.07
17-Apr-10	53	133	27.9	1.19
17-Apr-10	54	169	54.5	1.13
17-Apr-10	55	135	29.5	1.2
17-Apr-10	56	166	50.6	1.11
17-Apr-10	57	170	52.4	1.07
17-Apr-10	58	169	54.7	1.13
17-Apr-10	59	130	22.9	1.04
17-Apr-10	60	130	25.4	1.16
17-Apr-10	61	165	45	1
17-Apr-10	62	118	18.4	1.12
17-Apr-10	63	188	68.9	1.04
17-Apr-10	64	153	37.4	1.05
17-Apr-10	65	173	60.7	1.17
17-Apr-10	66	179	67.1	1.17
17-Apr-10	67	144	31.8	1.07
17-Apr-10	68	130	23.3	1.06
17-Apr-10	69	155	40.5	1.09
18-Apr-10	70	167	55.1	1.18
18-Apr-10	71	119	19.8	1.17

Period 1				
Date	Fish	Length	Weight	KC
18-Apr-10	72	174	56.3	1.07
18-Apr-10	73	134	29.5	1.23
18-Apr-10	74	150	35.9	1.06
18-Apr-10	75	175	53.7	1
18-Apr-10	76	145	34.3	1.13
18-Apr-10	77	148	34.7	1.07
18-Apr-10	78	157	43.7	1.13
18-Apr-10	79	155	41.5	1.11
18-Apr-10	80	120	19.6	1.13
18-Apr-10	81	137	27.7	1.08
18-Apr-10	82	126	23.1	1.15
18-Apr-10	83	161	48.1	1.15
18-Apr-10	84	167	50.4	1.08
18-Apr-10	85	115	17.7	1.16
18-Apr-10	86	114	21.5	1.45
18-Apr-10	87	165	52.8	1.17
18-Apr-10	88	164	47.5	1.08
18-Apr-10	89	158	46.8	1.19
18-Apr-10	90	131	26.6	1.18
18-Apr-10	91	166	48.9	1.07
18-Apr-10	92	168	52.6	1.11
18-Apr-10	93	109	14.9	1.15
18-Apr-10	94	110	16.7	1.25
18-Apr-10	95	179	64.2	1.12
18-Apr-10	96	159	43.3	1.08
18-Apr-10	97	148	38.2	1.18
18-Apr-10	98	171	51	1.02
18-Apr-10	99	154	41.3	1.13
18-Apr-10	100	175	58	1.08
18-Apr-10	101	173	59	1.14
18-Apr-10	102	127	25.4	1.24
18-Apr-10	103	158	45.2	1.15
18-Apr-10	104	121	20.8	1.17
18-Apr-10	105	174	59.8	1.13
18-Apr-10	106	119	21.1	1.25
18-Apr-10	107	124	21.1	1.11
18-Apr-10	108	137	30.5	1.18

Period 1				
Date	Fish	Length	Weight	KC
18-Apr-10	109	159	47.7	1.19
18-Apr-10	110	160	44	1.08
18-Apr-10	111	184	67.5	1.08
18-Apr-10	112	130	23.7	1.08
18-Apr-10	113	146	34.3	1.1
18-Apr-10	114	124	21.5	1.13
18-Apr-10	115	185	68.5	1.08
18-Apr-10	116	161	45.8	1.1
18-Apr-10	117	176	59.9	1.1
18-Apr-10	118	157	45.2	1.17
18-Apr-10	119	181	69.8	1.18
18-Apr-10	120	176	61.7	1.13
18-Apr-10	121	105	13	1.12
18-Apr-10	122	135	29.9	1.21
18-Apr-10	123	155	40.5	1.09
18-Apr-10	124	173	59.8	1.15
18-Apr-10	125	120	21.3	1.23
18-Apr-10	126	170	57.4	1.17
19-Apr-10	127	155	24.6	0.66
19-Apr-10	128	170	35.9	0.73
19-Apr-10	129	176	34.9	0.64
19-Apr-10	130	171	35.3	0.71
19-Apr-10	131	140	19.6	0.71
19-Apr-10	132	124	14.6	0.76
19-Apr-10	133	120	12.8	0.74
19-Apr-10	134	110	10.3	0.77
19-Apr-10	135	140	19.8	0.72
19-Apr-10	136	149	22.9	0.69
19-Apr-10	137	131	15.7	0.7
19-Apr-10	138	137	18.6	0.72
19-Apr-10	139	115	25	1.65
19-Apr-10	140	110	10.9	0.82
19-Apr-10	141	129	14.7	0.69
19-Apr-10	142	149	22.7	0.69
19-Apr-10	143	135	17.7	0.72
19-Apr-10	144	152	29.1	0.83
19-Apr-10	145	181	40.2	0.68

Period 1				
Date	Fish	Length	Weight	KC
19-Apr-10	146	130	16.7	0.76
19-Apr-10	147	125	14.9	0.76
19-Apr-10	148	125	14.4	0.74
19-Apr-10	149	130	16.9	0.77
19-Apr-10	150	110	10.7	0.8
19-Apr-10	151	168	31.6	0.67
19-Apr-10	152	174	36.9	0.7
19-Apr-10	153	125	15.3	0.78
19-Apr-10	154	140	19.4	0.71
19-Apr-10	155	110	10.3	0.77
19-Apr-10	156	105	9.3	0.8
19-Apr-10	157	120	12.6	0.73
19-Apr-10	158	120	12.6	0.73
19-Apr-10	159	127	16.5	0.81
19-Apr-10	160	135	19	0.77
19-Apr-10	161	159	29.1	0.72
19-Apr-10	162	119	12.6	0.75
19-Apr-10	163	122	12.8	0.71
19-Apr-10	164	180	41.3	0.71
19-Apr-10	165	169	34	0.7
19-Apr-10	166	108	10.3	0.82
19-Apr-10	167	176	39	0.72
19-Apr-10	168	134	17.5	0.73
19-Apr-10	169	110	10.3	0.77
19-Apr-10	170	160	28.1	0.69
19-Apr-10	171	135	16.9	0.69
19-Apr-10	172	94	5.6	0.68
19-Apr-10	173	105	9.1	0.79
19-Apr-10	174	110	10.7	0.8
19-Apr-10	175	186	43.5	0.68
19-Apr-10	176	95	6.6	0.77
19-Apr-10	177	148	22.5	0.69
19-Apr-10	178	140	23.1	0.84
19-Apr-10	179	129	16.1	0.75
19-Apr-10	180	127	14.7	0.72
19-Apr-10	181	133	17.7	0.75
19-Apr-10	182	110	10.9	0.82

Period 1				
Date	Fish	Length	Weight	KC
19-Apr-10	183	112	10.9	0.77
19-Apr-10	184	113	11.6	0.81
19-Apr-10	185	125	16.1	0.82
19-Apr-10	186	139	18.4	0.69
19-Apr-10	187	139	20	0.74
19-Apr-10	188	130	15.9	0.72
19-Apr-10	189	134	18.6	0.77
19-Apr-10	190	116	11.6	0.75
19-Apr-10	191	210	60.1	0.65
19-Apr-10	192	177	39.8	0.72
19-Apr-10	193	150	22.7	0.67
19-Apr-10	194	118	12.6	0.77
19-Apr-10	195	153	25.6	0.71
19-Apr-10	196	158	27.5	0.7
20-Apr-10	197	180	40.4	0.69
20-Apr-10	198	171	39.8	0.8
20-Apr-10	199	126	14.9	0.75
20-Apr-10	200	168	32.2	0.68
20-Apr-10	201	125	15.1	0.77
20-Apr-10	202	125	15.7	0.8
20-Apr-10	203	126	14	0.7
20-Apr-10	204	130	16.5	0.75
20-Apr-10	205	130	16.5	0.75
20-Apr-10	206	121	12.8	0.72
20-Apr-10	207	141	20.2	0.72
20-Apr-10	208	113	10.9	0.75
20-Apr-10	209	152	24.6	0.7
20-Apr-10	210	119	14	0.83
20-Apr-10	211	138	19	0.72
20-Apr-10	212	108	10.7	0.85
20-Apr-10	213	154	25	0.69
20-Apr-10	214	154	26.2	0.72
20-Apr-10	215	110	10.9	0.82
20-Apr-10	216	121	13.6	0.77
20-Apr-10	217	168	33	0.7
20-Apr-10	218	94	6.2	0.75
20-Apr-10	219	123	15.5	0.83

Period 1				
Date	Fish	Length	Weight	KC
20-Apr-10	220	135	18.4	0.75
20-Apr-10	221	135	16.3	0.66
20-Apr-10	222	156	27.2	0.72
20-Apr-10	223	128	16.5	0.79
20-Apr-10	224	150	22.7	0.67
20-Apr-10	225	120	12.6	0.73
20-Apr-10	226	122	12.8	0.71
20-Apr-10	227	131	16.1	0.72
20-Apr-10	228	160	27.7	0.68
20-Apr-10	229	135	17.8	0.73
20-Apr-10	230	131	17.7	0.79
20-Apr-10	231	156	26	0.68
20-Apr-10	232	155	30.8	0.83
20-Apr-10	233	114	11.4	0.77
20-Apr-10	234	123	14.7	0.79
20-Apr-10	235	145	21.3	0.7
20-Apr-10	236	128	16.1	0.77
20-Apr-10	237	121	13.4	0.76
20-Apr-10	238	129	17.5	0.81
20-Apr-10	239	130	18	0.82
20-Apr-10	240	173	34	0.66
20-Apr-10	241	172	35.3	0.69
20-Apr-10	242	122	13.8	0.76
20-Apr-10	243	131	16.7	0.74
20-Apr-10	244	123	15.7	0.84
20-Apr-10	245	131	16.7	0.74
20-Apr-10	246	135	16.7	0.68
20-Apr-10	247	130	17.8	0.81
20-Apr-10	248	132	16.3	0.71
20-Apr-10	249	175	36.5	0.68
20-Apr-10	250	150	25.4	0.75
20-Apr-10	251	180	39.6	0.68
20-Apr-10	252	120	15.5	0.9
22-Apr-10	253	129	13.6	0.63
22-Apr-10	254	150	25.4	0.75
22-Apr-10	255	175	34.9	0.65
22-Apr-10	256	186	46.8	0.73

Period 1				
Date	Fish	Length	Weight	KC
22-Apr-10	257	126	15.7	0.79
22-Apr-10	258	127	14.2	0.69
22-Apr-10	259	165	31.8	0.71
22-Apr-10	260	176	36.9	0.68
22-Apr-10	261	130	16.9	0.77
22-Apr-10	262	133	20.2	0.86
22-Apr-10	263	132	17.1	0.74
22-Apr-10	264	132	17.8	0.78
22-Apr-10	265	129	15.3	0.71
22-Apr-10	266	175	40.4	0.75
22-Apr-10	267	157	27.4	0.71
22-Apr-10	268	125	15.1	0.77
22-Apr-10	269	129	13.6	0.63
22-Apr-10	270	129	15.5	0.72
22-Apr-10	271	130	19	0.87
22-Apr-10	272	126	14.9	0.75
22-Apr-10	273	182	42.3	0.7
22-Apr-10	274	126	15.1	0.76
22-Apr-10	275	170	34.5	0.7
22-Apr-10	276	137	19.2	0.75
22-Apr-10	277	123	15.1	0.81
22-Apr-10	278	124	15.7	0.82
22-Apr-10	279	128	16.3	0.78
22-Apr-10	280	115	11.1	0.73
22-Apr-10	281	114	10.7	0.72
22-Apr-10	282	154	24.6	0.67
22-Apr-10	283	140	20.6	0.75
22-Apr-10	284	130	14.7	0.67
22-Apr-10	285	132	16.9	0.73
22-Apr-10	286	126	15.9	0.8
22-Apr-10	287	169	32.8	0.68
25-Apr-10	288	128	14.6	0.69
25-Apr-10	289	119	11.8	0.7
25-Apr-10	290	113	9.7	0.67
25-Apr-10	291	116	10.7	0.68
25-Apr-10	292	119	11.1	0.66
25-Apr-10	293	125	12.8	0.66

Period 1				
Date	Fish	Length	Weight	KC
25-Apr-10	294	122	13.6	0.75
25-Apr-10	295	131	15.7	0.7
25-Apr-10	296	131	14.2	0.63
25-Apr-10	297	119	11.8	0.7
25-Apr-10	298	139	19.2	0.72
25-Apr-10	299	136	18.6	0.74
25-Apr-10	300	96	7.4	0.83
25-Apr-10	301	129	14.2	0.66
25-Apr-10	302	102	8	0.75
25-Apr-10	303	124	13.4	0.7
25-Apr-10	304	125	15.7	0.8
25-Apr-10	305	125	14.7	0.75
25-Apr-10	306	144	20	0.67
25-Apr-10	307	115	11.8	0.78
25-Apr-10	308	151	21.3	0.62
25-Apr-10	309	111	9.1	0.67
25-Apr-10	310	123	12.6	0.68
25-Apr-10	311	177	35.3	0.64
25-Apr-10	312	154	23.1	0.63
25-Apr-10	313	121	13.4	0.76
25-Apr-10	314	116	11.3	0.72
25-Apr-10	315	121	13.6	0.77
25-Apr-10	316	129	13.2	0.61
25-Apr-10	317	126	14.7	0.74
25-Apr-10	318	123	13.6	0.73
25-Apr-10	319	170	37.4	0.76
25-Apr-10	320	176	39.2	0.72
25-Apr-10	321	114	10.1	0.68
25-Apr-10	322	153	23.3	0.65
25-Apr-10	323	111	9.9	0.72
25-Apr-10	324	127	15.1	0.74
25-Apr-10	325	140	17.8	0.65
25-Apr-10	326	126	14	0.7
25-Apr-10	327	154	23.9	0.65
25-Apr-10	328	122	13.4	0.74
25-Apr-10	329	120	14.6	0.84
25-Apr-10	330	114	10.9	0.73

Period 1				
Date	Fish	Length	Weight	KC
25-Apr-10	331	131	14.6	0.65
25-Apr-10	332	139	17.5	0.65
25-Apr-10	333	179	43.5	0.76
25-Apr-10	334	126	14.2	0.71
25-Apr-10	335	135	17.7	0.72
25-Apr-10	336	134	15.9	0.66
25-Apr-10	337	125	15.1	0.77
25-Apr-10	338	145	19	0.62
25-Apr-10	339	149	23.9	0.72
26-Apr-10	340	115	9.9	0.65
26-Apr-10	341	140	17.8	0.65
26-Apr-10	342	134	15.5	0.65
26-Apr-10	343	139	19	0.71
26-Apr-10	344	125	13.4	0.69
26-Apr-10	345	131	17.1	0.76
26-Apr-10	346	121	13.6	0.77
26-Apr-10	347	130	14.9	0.68
26-Apr-10	348	138	17.8	0.68
26-Apr-10	349	121	11.6	0.66
26-Apr-10	350	129	14.9	0.7
26-Apr-10	351	132	16.1	0.7
26-Apr-10	352	124	12.4	0.65
26-Apr-10	353	121	13.2	0.74
26-Apr-10	354	133	16.7	0.71
26-Apr-10	355	130	14	0.64
26-Apr-10	356	134	15.3	0.64
26-Apr-10	357	137	18.6	0.72
26-Apr-10	358	122	13	0.72
26-Apr-10	359	131	15.1	0.67
26-Apr-10	360	133	16.3	0.69
26-Apr-10	361	139	18.2	0.68
26-Apr-10	362	127	14.7	0.72
26-Apr-10	363	128	11.8	0.56
26-Apr-10	364	115	11.1	0.73
26-Apr-10	365	130	15.3	0.7
26-Apr-10	366	156	25	0.66
26-Apr-10	367	124	13	0.68

Period 1				
Date	Fish	Length	Weight	KC
26-Apr-10	368	125	13.2	0.68
26-Apr-10	369	130	15.5	0.71
26-Apr-10	370	133	15.7	0.67
26-Apr-10	371	119	12.8	0.76
26-Apr-10	372	124	13.2	0.69
26-Apr-10	373	125	13.2	0.68
26-Apr-10	374	127	14.7	0.72
26-Apr-10	375	130	17.8	0.81
26-Apr-10	376	139	17.8	0.66
26-Apr-10	377	129	15.1	0.7
26-Apr-10	378	132	14.6	0.63
26-Apr-10	379	135	17.8	0.73
26-Apr-10	380	126	23.3	1.16
26-Apr-10	381	120	20.4	1.18
26-Apr-10	382	134	29.7	1.23
26-Apr-10	383	121	19	1.07
26-Apr-10	384	134	26.2	1.09
26-Apr-10	385	131	22.1	0.98
26-Apr-10	386	132	27.5	1.2
26-Apr-10	387	125	18.4	0.94
26-Apr-10	388	131	24.3	1.08
26-Apr-10	389	135	27	1.1
26-Apr-10	390	134	29.1	1.21
26-Apr-10	391	119	18	1.07
26-Apr-10	392	130	24.3	1.1
26-Apr-10	393	132	22.9	1
26-Apr-10	394	169	46.8	0.97
26-Apr-10	395	129	26.4	1.23
26-Apr-10	396	135	31.4	1.28
26-Apr-10	397	162	38.8	0.91
26-Apr-10	398	133	25.4	1.08
26-Apr-10	399	119	17.1	1.01
26-Apr-10	400	136	25.8	1.03
26-Apr-10	401	135	27.2	1.1
26-Apr-10	402	137	27.5	1.07
26-Apr-10	403	118	18.2	1.11
26-Apr-10	404	122	19.8	1.09

Period 1				
Date	Fish	Length	Weight	KC
26-Apr-10	405	118	17.8	1.09
26-Apr-10	406	122	21	1.15
26-Apr-10	407	121	20.4	1.15
26-Apr-10	408	126	20.2	1.01
26-Apr-10	409	132	23.7	1.03
27-Apr-10	410	121	21.9	1.24
27-Apr-10	411	139	32.2	1.2
27-Apr-10	412	125	20.8	1.06
27-Apr-10	413	127	24.1	1.17
27-Apr-10	414	129	24.6	1.15
27-Apr-10	415	111	15.1	1.11
27-Apr-10	416	124	20.2	1.06
27-Apr-10	417	112	15.9	1.13
27-Apr-10	418	110	13.6	1.02
27-Apr-10	419	114	15.9	1.07
27-Apr-10	420	131	24.1	1.07
27-Apr-10	421	124	23.3	1.22
27-Apr-10	422	142	35.9	1.25
27-Apr-10	423	104	12.6	1.12
27-Apr-10	424	124	23.5	1.23
27-Apr-10	425	115	15.5	1.02
27-Apr-10	426	118	17.7	1.07
27-Apr-10	427	119	18.4	1.09
27-Apr-10	428	111	16.9	1.23
27-Apr-10	429	131	25	1.11
27-Apr-10	430	134	27.9	1.16
27-Apr-10	431	120	17.7	1.02
27-Apr-10	432	132	28.3	1.23
27-Apr-10	433	133	26.6	1.13
27-Apr-10	434	128	26	1.24
27-Apr-10	435	144	36.1	1.21
27-Apr-10	436	126	25	1.25
27-Apr-10	437	111	14.6	1.06
27-Apr-10	438	121	20.8	1.17
27-Apr-10	439	135	27	1.1
27-Apr-10	440	114	17.1	1.15
27-Apr-10	441	144	30.1	1.01

Period 1				
Date	Fish	Length	Weight	KC
27-Apr-10	442	115	16.1	1.06
27-Apr-10	443	130	24.1	1.09
27-Apr-10	444	113	15.7	1.09
27-Apr-10	445	121	18.8	1.06
27-Apr-10	446	134	25.2	1.05
27-Apr-10	447	150	33.6	0.99
27-Apr-10	448	114	16.3	1.1
27-Apr-10	449	145	30.8	1.01
27-Apr-10	450	126	21.9	1.1
27-Apr-10	451	115	16.1	1.06
27-Apr-10	452	120	18.6	1.08
27-Apr-10	453	114	21	1.41
27-Apr-10	454	132	21.7	0.94
27-Apr-10	455	148	34.1	1.05
27-Apr-10	456	129	24.8	1.16
27-Apr-10	457	136	30.8	1.23
27-Apr-10	458	139	28.5	1.06
27-Apr-10	459	93	9.7	1.21
27-Apr-10	460	99	10.9	1.12
27-Apr-10	461	123	21.5	1.16
27-Apr-10	462	121	18.8	1.06
27-Apr-10	463	115	17.8	1.17
27-Apr-10	464	130	28.7	1.31
27-Apr-10	465	134	26.4	1.1
27-Apr-10	466	129	23.5	1.09
27-Apr-10	467	111	15.3	1.12
27-Apr-10	468	113	18	1.25
27-Apr-10	469	127	21.9	1.07
27-Apr-10	470	114	16.1	1.09
27-Apr-10	471	125	22.7	1.16
27-Apr-10	472	121	23.1	1.3
27-Apr-10	473	125	21.1	1.08
27-Apr-10	474	127	23.1	1.13
27-Apr-10	475	142	33.2	1.16
27-Apr-10	476	127	22.1	1.08
27-Apr-10	477	127	24.4	1.19
27-Apr-10	478	126	18.8	0.94

Period 1				
Date	Fish	Length	Weight	KC
27-Apr-10	479	139	29.1	1.08
28-Apr-10	480	132	25	1.09
28-Apr-10	481	126	23.1	1.15
28-Apr-10	482	116	13.6	0.87
28-Apr-10	483	131	24.4	1.09
28-Apr-10	484	123	20.6	1.11
28-Apr-10	485	136	32	1.27
28-Apr-10	486	122	18	0.99
28-Apr-10	487	112	17.5	1.24
28-Apr-10	488	127	22.1	1.08
28-Apr-10	489	116	18.6	1.19
28-Apr-10	490	126	21.9	1.1
28-Apr-10	491	185	65.8	1.04
28-Apr-10	492	115	16.3	1.07
28-Apr-10	493	131	23.9	1.06
28-Apr-10	494	122	20.8	1.14
28-Apr-10	495	121	19.2	1.08
28-Apr-10	496	132	24.8	1.08
28-Apr-10	497	140	29.5	1.07
28-Apr-10	498	111	16.7	1.22
28-Apr-10	499	111	15.9	1.16
28-Apr-10	500	143	29.1	1
28-Apr-10	501	119	13.8	0.82
28-Apr-10	502	126	14.6	0.73
28-Apr-10	503	117	18	1.13
28-Apr-10	504	126	21.5	1.08
28-Apr-10	505	119	20.2	1.2
28-Apr-10	506	131	24.8	1.1
28-Apr-10	507	114	18.2	1.23
28-Apr-10	508	125	23.1	1.18
28-Apr-10	509	134	31.2	1.3
28-Apr-10	510	117	15.9	0.99
28-Apr-10	511	121	19.4	1.1
28-Apr-10	512	127	21.5	1.05
28-Apr-10	513	116	17.3	1.11
28-Apr-10	514	125	22.3	1.14
28-Apr-10	515	126	21.9	1.1

Period 1				
Date	Fish	Length	Weight	KC
28-Apr-10	516	115	15.9	1.05
28-Apr-10	517	110	15.1	1.14
28-Apr-10	518	111	15.5	1.13
28-Apr-10	519	115	16.1	1.06
28-Apr-10	520	115	17.3	1.14
28-Apr-10	521	139	28.3	1.05
28-Apr-10	522	117	17.1	1.07
28-Apr-10	523	122	19.2	1.06
28-Apr-10	524	126	23.3	1.16
28-Apr-10	525	125	22.5	1.15
28-Apr-10	526	117	17.7	1.1
28-Apr-10	527	123	18.8	1.01
28-Apr-10	528	121	18.8	1.06
28-Apr-10	529	113	15.3	1.06
28-Apr-10	530	114	17.1	1.15
28-Apr-10	531	115	15.9	1.05
28-Apr-10	532	170	52.8	1.07
28-Apr-10	533	137	27.7	1.08
28-Apr-10	534	126	20.4	1.02
28-Apr-10	535	127	23.1	1.13
28-Apr-10	536	136	28.1	1.12
28-Apr-10	537	120	18.8	1.09
28-Apr-10	538	124	21.3	1.12
28-Apr-10	539	121	19.6	1.11
28-Apr-10	540	124	23.7	1.24
28-Apr-10	541	126	20.8	1.04
28-Apr-10	542	123	19.8	1.06
28-Apr-10	543	116	18.6	1.19
28-Apr-10	544	120	18.2	1.06
28-Apr-10	545	132	25.4	1.1
28-Apr-10	546	123	20.2	1.08
28-Apr-10	547	125	19	0.97
28-Apr-10	548	125	20	1.02
28-Apr-10	549	122	20.8	1.14
1-May-10	550	125	19.8	1.01
1-May-10	551	135	27.5	1.12
1-May-10	552	131	22.7	1.01

Period 1				
Date	Fish	Length	Weight	KC
1-May-10	553	114	17.1	1.15
1-May-10	554	138	28.3	1.08
1-May-10	555	111	15.5	1.13
1-May-10	556	146	35.3	1.13
1-May-10	557	105	13	1.12
1-May-10	558	127	23.7	1.16
1-May-10	559	98	10.5	1.11
1-May-10	560	118	17.5	1.06
1-May-10	561	120	19.2	1.11
1-May-10	562	124	20	1.05
1-May-10	563	101	10.7	1.04
1-May-10	564	129	33.8	1.57
1-May-10	565	115	15.7	1.03
1-May-10	566	111	14.2	1.04
1-May-10	567	110	16.3	1.22
1-May-10	568	125	24.4	1.25
1-May-10	569	109	15.1	1.17
1-May-10	570	119	18.6	1.11
1-May-10	571	115	18.8	1.24
1-May-10	572	134	25.6	1.06
1-May-10	573	115	17.1	1.12
1-May-10	574	120	19.2	1.11
1-May-10	575	107	13.8	1.12
1-May-10	576	123	19.6	1.05
1-May-10	577	117	16.9	1.05
1-May-10	578	111	14.6	1.06
1-May-10	579	132	24.1	1.05
1-May-10	580	110	13.8	1.03
1-May-10	581	117	18	1.13
1-May-10	582	157	37.2	0.96
1-May-10	583	106	13	1.09
1-May-10	584	108	13.6	1.08
1-May-10	585	133	25.2	1.07
1-May-10	586	101	12.6	1.22
1-May-10	587	135	27.4	1.11
1-May-10	588	145	32.2	1.06
1-May-10	589	100	11.6	1.16

Period 1				
Date	Fish	Length	Weight	KC
1-May-10	590	105	12.2	1.06
1-May-10	591	120	18.8	1.09
1-May-10	592	129	23.9	1.11
1-May-10	593	130	23.3	1.06
1-May-10	594	130	23.7	1.08
1-May-10	595	142	30.1	1.05
1-May-10	596	120	18.6	1.08
1-May-10	597	108	13.6	1.08
1-May-10	598	120	17.7	1.02
1-May-10	599	132	23.9	1.04
1-May-10	600	97	9.7	1.06
1-May-10	601	164	48.7	1.1
1-May-10	602	143	30.3	1.03
1-May-10	603	120	19	1.1
1-May-10	604	131	28.1	1.25
1-May-10	605	128	22.5	1.07
1-May-10	606	167	61.3	1.32
1-May-10	607	124	22.3	1.17
1-May-10	608	127	21.7	1.06
1-May-10	609	115	19	1.25
1-May-10	610	135	26.8	1.09
1-May-10	611	129	23.3	1.08
1-May-10	612	108	14.9	1.19
1-May-10	613	115	17.5	1.15
1-May-10	614	139	28.7	1.07
1-May-10	615	112	15.3	1.09
1-May-10	616	155	39.8	1.07
1-May-10	617	127	22.1	1.08
1-May-10	618	122	16.9	0.93
1-May-10	619	112	14.7	1.05
2-May-10	620	106	13.2	1.11
2-May-10	621	145	20.4	0.67
2-May-10	622	115	18	1.19
2-May-10	623	120	16.7	0.97
2-May-10	624	125	21	1.07
2-May-10	625	105	13.6	1.17
2-May-10	626	120	19.2	1.11

Period 1				
Date	Fish	Length	Weight	KC
2-May-10	627	130	26.8	1.22
2-May-10	628	125	21.3	1.09
2-May-10	629	142	29.9	1.04
2-May-10	630	130	26.6	1.21
2-May-10	631	80	7	1.36
2-May-10	632	130	20.2	0.92
2-May-10	633	105	12.2	1.06
2-May-10	634	115	17.1	1.12
2-May-10	635	110	17.3	1.3
2-May-10	636	120	19	1.1
2-May-10	637	130	23.3	1.06
2-May-10	638	140	22.1	0.81
2-May-10	639	125	18.6	0.95
2-May-10	640	105	11.3	0.97
2-May-10	641	120	17.8	1.03
2-May-10	642	115	17.3	1.14
2-May-10	643	105	13.2	1.14
2-May-10	644	130	23.1	1.05
2-May-10	645	120	17.7	1.02
2-May-10	646	128	20.6	0.98
2-May-10	647	124	19.4	1.02
2-May-10	648	115	17.5	1.15
2-May-10	649	108	14.6	1.16
2-May-10	650	95	9.7	1.13
2-May-10	651	115	16.3	1.07
2-May-10	652	118	19	1.16
2-May-10	653	108	14.9	1.19
2-May-10	654	115	18	1.19
2-May-10	655	135	24.3	0.99
2-May-10	656	130	23.7	1.08
2-May-10	657	120	18.8	1.09
2-May-10	658	140	29.5	1.07
2-May-10	659	114	14.9	1.01
2-May-10	660	120	19.2	1.11
2-May-10	661	112	15.5	1.1
2-May-10	662	122	22.1	1.22
2-May-10	663	110	17.7	1.33

Period 1				
Date	Fish	Length	Weight	KC
2-May-10	664	110	14	1.05
2-May-10	665	95	10.1	1.18
2-May-10	666	112	14.7	1.05
2-May-10	667	121	18.6	1.05
2-May-10	668	130	21.7	0.99
2-May-10	669	105	11.4	0.99
2-May-10	670	116	17.7	1.13
2-May-10	671	125	21.5	1.1
2-May-10	672	128	21	1
2-May-10	673	121	18.2	1.03
2-May-10	674	130	22.3	1.02
2-May-10	675	121	18.6	1.05
2-May-10	676	115	16.5	1.08
2-May-10	677	126	21.9	1.1
2-May-10	678	108	15.5	1.23
2-May-10	679	120	18.8	1.09
2-May-10	680	120	15.3	0.89
2-May-10	681	112	15.3	1.09
2-May-10	682	104	10.9	0.97
2-May-10	683	126	21.1	1.06
2-May-10	684	115	17.3	1.14
2-May-10	685	106	11.3	0.94
2-May-10	686	95	10.3	1.2
2-May-10	687	110	15.1	1.14
2-May-10	688	121	18	1.02
2-May-10	689	112	17.7	1.26
3-May-10	690	123	19.4	1.04
3-May-10	691	125	24.1	1.23
3-May-10	692	137	26.8	1.04
3-May-10	693	118	21	1.28
3-May-10	694	116	15.9	1.02
3-May-10	695	126	21.1	1.06
3-May-10	696	134	26.2	1.09
3-May-10	697	116	16.7	1.07
3-May-10	698	129	25.8	1.2
3-May-10	699	112	13	0.93
3-May-10	700	118	17.7	1.07

Period 1				
Date	Fish	Length	Weight	KC
3-May-10	701	115	17.7	1.16
3-May-10	702	124	20.2	1.06
3-May-10	703	123	19.8	1.06
3-May-10	704	128	23.5	1.12
3-May-10	705	120	19.2	1.11
3-May-10	706	110	15.1	1.14
3-May-10	707	122	19.6	1.08
3-May-10	708	131	24.6	1.1
3-May-10	709	138	27.7	1.06
3-May-10	710	120	18.2	1.06
3-May-10	711	124	19.6	1.03
3-May-10	712	129	22.5	1.05
3-May-10	713	124	22.3	1.17
3-May-10	714	125	21.3	1.09
3-May-10	715	135	28.1	1.14
3-May-10	716	111	17.1	1.25
3-May-10	717	125	22.3	1.14
3-May-10	718	116	15.9	1.02
3-May-10	719	115	16.9	1.11
3-May-10	720	111	14.6	1.06
3-May-10	721	117	17.5	1.09
3-May-10	722	141	28.9	1.03
3-May-10	723	115	15.5	1.02
3-May-10	724	116	16.9	1.08
3-May-10	725	119	14	0.83
3-May-10	726	110	15.9	1.2
3-May-10	727	120	21.3	1.23
3-May-10	728	117	17.7	1.1
3-May-10	729	117	18.4	1.15
3-May-10	730	120	19.4	1.12
3-May-10	731	109	15.5	1.2
3-May-10	732	128	23.5	1.12
3-May-10	733	129	26.6	1.24
3-May-10	734	102	10.1	0.95
3-May-10	735	120	18.4	1.07
3-May-10	736	133	24.4	1.04
3-May-10	737	122	19.4	1.07

Period 1				
Date	Fish	Length	Weight	KC
3-May-10	738	117	18.2	1.14
3-May-10	739	110	13.2	0.99
3-May-10	740	122	15.5	0.85
3-May-10	741	115	15.3	1.01
3-May-10	742	128	20.8	0.99
3-May-10	743	115	16.1	1.06
3-May-10	744	125	21.9	1.12
3-May-10	745	125	22.5	1.15
3-May-10	746	120	19.4	1.12
3-May-10	747	120	21.9	1.27
3-May-10	748	120	21.1	1.22
3-May-10	749	130	25.2	1.15
3-May-10	750	130	25.2	1.15
3-May-10	751	115	13.6	0.89
3-May-10	752	110	13.6	1.02
3-May-10	753	130	23.1	1.05
3-May-10	754	125	21.3	1.09
3-May-10	755	125	23.3	1.19
3-May-10	756	118	16.9	1.03
3-May-10	757	110	15.5	1.17
3-May-10	758	132	21.1	0.92
3-May-10	759	120	18.8	1.09
3-May-10	760	120	20.4	1.18
3-May-10	761	115	17.7	1.16
3-May-10	762	126	19.4	0.97
3-May-10	763	128	22.7	1.08
3-May-10	764	110	14.7	1.11
3-May-10	765	115	14.7	0.97
3-May-10	766	112	22.3	1.59
3-May-10	767	115	16.3	1.07
3-May-10	768	110	16.9	1.27
3-May-10	769	120	17.5	1.01
3-May-10	770	119	18.2	1.08
3-May-10	771	120	13.6	0.79
3-May-10	772	115	13.6	0.89
4-May-10	773	120	15.5	0.9
4-May-10	774	107	13.8	1.12

Period 1				
Date	Fish	Length	Weight	KC
4-May-10	775	125	21.5	1.1
4-May-10	776	110	15.5	1.17
4-May-10	777	122	19.8	1.09
4-May-10	778	110	16.5	1.24
4-May-10	779	133	23.9	1.01
4-May-10	780	120	21.3	1.23
4-May-10	781	110	13.6	1.02
4-May-10	782	113	15.5	1.08
4-May-10	783	100	12.4	1.24
4-May-10	784	104	13	1.16
4-May-10	785	130	26.8	1.22
4-May-10	786	138	30.7	1.17
4-May-10	787	125	21.9	1.12
4-May-10	788	120	17.8	1.03
4-May-10	789	108	12	0.95
4-May-10	790	128	20.2	0.96
4-May-10	791	116	17.7	1.13
4-May-10	792	122	17.7	0.97
4-May-10	793	110	15.5	1.17
4-May-10	794	110	15.1	1.14
4-May-10	795	100	11.8	1.18
4-May-10	796	118	17.8	1.09
4-May-10	797	110	12.4	0.93
4-May-10	798	113	16.5	1.14
4-May-10	799	113	14.6	1.01
4-May-10	800	112	16.3	1.16
4-May-10	801	105	12.2	1.06
4-May-10	802	120	19	1.1
4-May-10	803	125	20	1.02
4-May-10	804	110	15.1	1.14
4-May-10	805	114	17.3	1.17
4-May-10	806	118	17.3	1.05
4-May-10	807	112	14.7	1.05
4-May-10	808	125	21.5	1.1
4-May-10	809	110	13.2	0.99
4-May-10	810	137	27.5	1.07
4-May-10	811	116	16.9	1.08

Period 1				
Date	Fish	Length	Weight	KC
4-May-10	812	115	16.3	1.07
4-May-10	813	115	16.5	1.08
4-May-10	814	116	17.7	1.13
4-May-10	815	112	11.6	0.83
4-May-10	816	118	17.5	1.06
4-May-10	817	112	19.4	1.38
4-May-10	818	112	17.8	1.27
4-May-10	819	128	23.9	1.14
4-May-10	820	132	24.3	1.05
4-May-10	821	122	18.2	1
4-May-10	822	121	18.6	1.05
4-May-10	823	133	26	1.1
4-May-10	824	134	25.6	1.06
4-May-10	825	115	21.3	1.4
4-May-10	826	115	16.3	1.07
4-May-10	827	118	17.1	1.04
4-May-10	828	125	24.6	1.26

Period 1				
Date	Fish	Length	Weight	KC
4-May-10	829	135	22.1	0.9
4-May-10	830	118	17.8	1.09
4-May-10	831	120	21.3	1.23
4-May-10	832	120	17.3	1
4-May-10	833	112	16.5	1.17
4-May-10	834	120	19.2	1.11
4-May-10	835	129	20	0.93
4-May-10	836	120	17.1	0.99
4-May-10	837	122	20.2	1.11
4-May-10	838	110	15.1	1.14
Average		**130**	**22.5**	**0.99**
Min		**80**	**5.6**	**0.56**
Max		**210**	**82.3**	**1.65**
SD		**19**	**11.3**	**0.2**

Period 2				
Date	Fish	Length	Weight	KC
5-May-10	839	122	19.2	1.06
5-May-10	840	125	23.7	1.21
5-May-10	841	125	21	1.07
5-May-10	842	115	16.9	1.11
5-May-10	843	120	19.8	1.15
5-May-10	844	115	14.7	0.97
5-May-10	845	116	17.5	1.12
5-May-10	846	120	18.4	1.07
5-May-10	847	115	15.9	1.05
5-May-10	848	125	19.6	1
5-May-10	849	111	14.4	1.05
5-May-10	850	122	21.3	1.18
5-May-10	851	120	20.2	1.17
5-May-10	852	120	21	1.21
5-May-10	853	115	12.8	0.84
5-May-10	854	125	21.5	1.1
5-May-10	855	122	21.9	1.21

Period 2				
Date	Fish	Length	Weight	KC
5-May-10	856	115	18.8	1.24
5-May-10	857	125	22.9	1.17
5-May-10	858	115	19	1.25
5-May-10	859	120	21.7	1.26
5-May-10	860	130	23.3	1.06
5-May-10	861	120	19.6	1.13
5-May-10	862	128	23.5	1.12
5-May-10	863	116	16.3	1.04
5-May-10	864	135	24.1	0.98
5-May-10	865	122	20.6	1.13
5-May-10	866	120	19.4	1.12
5-May-10	867	130	24.8	1.13
5-May-10	868	118	18.6	1.13
5-May-10	869	126	23.3	1.16
5-May-10	870	120	19.4	1.12
5-May-10	871	106	11.4	0.96
5-May-10	872	122	17.7	0.97

Period 2				
Date	Fish	Length	Weight	KC
5-May-10	873	118	16.9	1.03
5-May-10	874	112	15.9	1.13
5-May-10	875	105	13.2	1.14
5-May-10	876	118	17.7	1.07
5-May-10	877	120	19	1.1
5-May-10	878	122	19.8	1.09
5-May-10	879	115	17.3	1.14
5-May-10	880	115	17.1	1.12
5-May-10	881	120	18.8	1.09
5-May-10	882	135	29.3	1.19
5-May-10	883	125	24.4	1.25
5-May-10	884	98	11.4	1.22
5-May-10	885	108	13.6	1.08
5-May-10	886	125	24.4	1.25
5-May-10	887	110	14.9	1.12
5-May-10	888	115	16.1	1.06
5-May-10	889	118	18.4	1.12
5-May-10	890	104	14.7	1.31
5-May-10	891	125	20.2	1.03
5-May-10	892	115	16.5	1.08
5-May-10	893	118	17.1	1.04
5-May-10	894	120	18.6	1.08
5-May-10	895	105	12.2	1.06
5-May-10	896	126	23.5	1.17
5-May-10	897	138	28.1	1.07
5-May-10	898	115	16.5	1.08
5-May-10	899	140	34.1	1.24
5-May-10	900	160	43.8	1.07
5-May-10	901	122	21.5	1.19
5-May-10	902	122	19.6	1.08
5-May-10	903	108	13.4	1.06
5-May-10	904	122	20	1.1
5-May-10	905	105	12.2	1.06
5-May-10	906	108	14.7	1.17
5-May-10	907	88	7.8	1.14
5-May-10	908	108	14.2	1.12
8-May-10	909	103	11.8	1.08

Period 2				
Date	Fish	Length	Weight	KC
8-May-10	910	122	18.8	1.04
8-May-10	911	111	14.7	1.08
8-May-10	912	122	20.6	1.13
8-May-10	913	116	15.1	0.97
8-May-10	914	116	14.7	0.94
8-May-10	915	111	14	1.02
8-May-10	916	114	14.7	1
8-May-10	917	123	18.8	1.01
8-May-10	918	123	20.8	1.12
8-May-10	919	115	16.7	1.1
8-May-10	920	130	23.1	1.05
8-May-10	921	115	14.4	0.94
8-May-10	922	108	13.4	1.06
8-May-10	923	104	11.3	1
8-May-10	924	118	16.9	1.03
8-May-10	925	120	16.3	0.94
8-May-10	926	110	13.8	1.03
8-May-10	927	116	15.7	1.01
8-May-10	928	109	13.4	1.03
8-May-10	929	117	16.5	1.03
8-May-10	930	108	12.8	1.02
8-May-10	931	105	12.2	1.06
8-May-10	932	104	13.2	1.17
8-May-10	933	119	15.7	0.93
8-May-10	934	119	15.9	0.94
8-May-10	935	131	20.8	0.92
8-May-10	936	115	15.7	1.03
8-May-10	937	110	13.4	1.01
8-May-10	938	114	14.6	0.98
8-May-10	939	119	15.9	0.94
8-May-10	940	119	17.3	1.02
8-May-10	941	120	16.5	0.95
8-May-10	942	124	21	1.1
8-May-10	943	111	20.2	1.48
8-May-10	944	126	18.4	0.92
8-May-10	945	132	26.8	1.16
8-May-10	946	106	12	1.01

Period 2				
Date	Fish	Length	Weight	KC
8-May-10	947	103	10.3	0.94
8-May-10	948	146	36.7	1.18
8-May-10	949	136	25.2	1
8-May-10	950	119	17.1	1.01
8-May-10	951	121	17.7	1
8-May-10	952	121	17.3	0.97
8-May-10	953	130	21.5	0.98
8-May-10	954	115	15.3	1.01
8-May-10	955	136	26.6	1.06
8-May-10	956	111	13.4	0.98
8-May-10	957	125	17.5	0.89
8-May-10	958	139	26.2	0.98
8-May-10	959	134	22.3	0.93
8-May-10	960	120	17.7	1.02
8-May-10	961	120	18.6	1.08
8-May-10	962	108	13.2	1.05
8-May-10	963	101	11.1	1.07
8-May-10	964	113	14.7	1.02
8-May-10	965	109	11.8	0.91
8-May-10	966	116	18.8	1.21
8-May-10	967	147	33.2	1.04
8-May-10	968	124	21.5	1.13
8-May-10	969	127	20.2	0.98
8-May-10	970	127	21.1	1.03
8-May-10	971	114	13.2	0.89
8-May-10	972	113	14.4	0.99
8-May-10	973	125	20.4	1.04
8-May-10	974	116	15.7	1.01
8-May-10	975	114	13.8	0.93
8-May-10	976	128	19.4	0.93
8-May-10	977	111	13.8	1.01
8-May-10	978	133	23.9	1.01
9-May-10	979	109	12.6	0.97
9-May-10	980	103	11.3	1.03
9-May-10	981	118	18.6	1.13
9-May-10	982	116	16.9	1.08
9-May-10	983	121	20.8	1.17

Period 2				
Date	Fish	Length	Weight	KC
9-May-10	984	110	14.6	1.09
9-May-10	985	102	12.2	1.15
9-May-10	986	124	22.1	1.16
9-May-10	987	137	30.7	1.19
9-May-10	988	115	18.4	1.21
9-May-10	989	105	12.6	1.09
9-May-10	990	125	22.9	1.17
9-May-10	991	107	12.6	1.03
9-May-10	992	106	13.6	1.14
9-May-10	993	105	12.8	1.11
9-May-10	994	110	13.8	1.03
9-May-10	995	130	25.6	1.17
9-May-10	996	99	10.9	1.12
9-May-10	997	130	23.5	1.07
9-May-10	998	105	12.8	1.11
9-May-10	999	130	25.4	1.16
9-May-10	1000	136	32.8	1.3
9-May-10	1001	118	17.1	1.04
9-May-10	1002	118	19	1.16
9-May-10	1003	130	24.6	1.12
9-May-10	1004	126	23.5	1.17
9-May-10	1005	116	16.7	1.07
9-May-10	1006	150	43.8	1.3
9-May-10	1007	107	13.4	1.09
9-May-10	1008	116	17.1	1.09
9-May-10	1009	118	17.5	1.06
9-May-10	1010	114	15.5	1.05
9-May-10	1011	138	27.7	1.06
9-May-10	1012	109	14.2	1.09
9-May-10	1013	110	14.4	1.08
9-May-10	1014	110	14.6	1.09
9-May-10	1015	110	14.2	1.06
9-May-10	1016	102	11.6	1.1
9-May-10	1017	96	10.7	1.21
9-May-10	1018	116	18.8	1.21
9-May-10	1019	120	17.8	1.03
9-May-10	1020	95	8.9	1.04

Period 2				
Date	Fish	Length	Weight	KC
9-May-10	1021	120	18.6	1.08
9-May-10	1022	100	11.8	1.18
9-May-10	1023	109	14.7	1.14
9-May-10	1024	121	19.4	1.1
9-May-10	1025	122	19	1.05
9-May-10	1026	127	24.1	1.17
9-May-10	1027	135	25.4	1.03
9-May-10	1028	115	15.9	1.05
9-May-10	1029	105	12.8	1.11
9-May-10	1030	109	14.4	1.11
9-May-10	1031	124	19.4	1.02
9-May-10	1032	111	13.2	0.96
9-May-10	1033	121	20.8	1.17
9-May-10	1034	103	12.2	1.12
9-May-10	1035	96	11.1	1.25
9-May-10	1036	119	18.6	1.11
9-May-10	1037	119	17.8	1.06
9-May-10	1038	105	14.2	1.22
9-May-10	1039	118	17.7	1.07
9-May-10	1040	124	21.3	1.12
9-May-10	1041	131	25.8	1.15
9-May-10	1042	140	28.9	1.05
9-May-10	1043	115	16.3	1.07
9-May-10	1044	124	21.1	1.11
9-May-10	1045	110	13.6	1.02
9-May-10	1046	116	18.4	1.18
9-May-10	1047	136	32	1.27
9-May-10	1048	136	29.7	1.18
10-May-10	1049	107	14	1.14
10-May-10	1050	109	16.3	1.26
10-May-10	1051	105	14.2	1.22
10-May-10	1052	108	12.8	1.02
10-May-10	1053	121	13.6	0.77
10-May-10	1054	108	14.2	1.12
10-May-10	1055	110	14.6	1.09
10-May-10	1056	126	25	1.25
10-May-10	1057	129	24.8	1.16

Period 2				
Date	Fish	Length	Weight	KC
10-May-10	1058	111	14.9	1.09
10-May-10	1059	109	14.7	1.14
10-May-10	1060	113	16.5	1.14
10-May-10	1061	125	22.5	1.15
10-May-10	1062	106	14.7	1.24
10-May-10	1063	114	15.7	1.06
10-May-10	1064	119	20	1.19
10-May-10	1065	119	18	1.07
10-May-10	1066	115	17.5	1.15
11-May-10	1067	116	18.4	1.18
11-May-10	1068	115	14.6	0.96
11-May-10	1069	115	20.4	1.34
11-May-10	1070	113	16.5	1.14
11-May-10	1071	120	20	1.16
11-May-10	1072	123	20.2	1.08
11-May-10	1073	106	12.4	1.04
11-May-10	1074	120	20.2	1.17
11-May-10	1075	110	14.9	1.12
11-May-10	1076	124	23.1	1.21
11-May-10	1077	120	19.2	1.11
11-May-10	1078	111	15.1	1.11
11-May-10	1079	93	10.1	1.25
11-May-10	1080	91	8.9	1.18
11-May-10	1081	112	14.7	1.05
11-May-10	1082	121	20.4	1.15
11-May-10	1083	124	21.9	1.15
11-May-10	1084	115	15.7	1.03
11-May-10	1085	118	18.6	1.13
11-May-10	1086	135	31.8	1.29
11-May-10	1087	115	16.5	1.08
11-May-10	1088	119	16.5	0.98
11-May-10	1089	105	14.7	1.27
11-May-10	1090	103	11.3	1.03
11-May-10	1091	128	27.4	1.3
12-May-10	1092	113	16.7	1.16
12-May-10	1093	109	14	1.08
12-May-10	1094	113	16.7	1.16

Period 2				
Date	Fish	Length	Weight	KC
12-May-10	1095	139	33.2	1.24
12-May-10	1096	144	35.9	1.2
12-May-10	1097	109	14.4	1.11
12-May-10	1098	130	26.6	1.21
12-May-10	1099	108	14.9	1.19
12-May-10	1100	125	21	1.07
12-May-10	1101	115	16.9	1.11
12-May-10	1102	115	17.5	1.15
12-May-10	1103	110	14.2	1.06
12-May-10	1104	113	14.9	1.04
12-May-10	1105	106	14.6	1.22
12-May-10	1106	112	16.3	1.16
12-May-10	1107	109	15.1	1.17
12-May-10	1108	116	18	1.16
12-May-10	1109	118	18.6	1.13
12-May-10	1110	131	27.5	1.23
12-May-10	1111	105	12.8	1.11
12-May-10	1112	118	18.4	1.12
12-May-10	1113	126	24.3	1.21
12-May-10	1114	134	27.9	1.16
12-May-10	1115	106	13.2	1.11
12-May-10	1116	105	12.6	1.09
12-May-10	1117	117	19	1.19
12-May-10	1118	112	15.3	1.09
12-May-10	1119	120	17.8	1.03
12-May-10	1120	115	16.7	1.1
12-May-10	1121	110	14	1.05
12-May-10	1122	111	13.6	0.99
12-May-10	1123	113	12	0.83
12-May-10	1124	120	21.9	1.27
12-May-10	1125	117	17.8	1.11
12-May-10	1126	117	20	1.25
12-May-10	1127	118	21.1	1.29
12-May-10	1128	112	15.1	1.08
12-May-10	1129	124	18.8	0.99
12-May-10	1130	106	13.4	1.12
12-May-10	1131	124	22.9	1.2

Period 2				
Date	Fish	Length	Weight	KC
12-May-10	1132	122	19.4	1.07
12-May-10	1133	120	19.2	1.11
12-May-10	1134	111	14.7	1.08
12-May-10	1135	134	25.8	1.07
12-May-10	1136	119	18.6	1.11
12-May-10	1137	123	20.6	1.11
12-May-10	1138	118	16.7	1.02
12-May-10	1139	112	15.3	1.09
12-May-10	1140	125	19.8	1.01
12-May-10	1141	125	20.6	1.05
12-May-10	1142	121	19	1.07
12-May-10	1143	110	13.6	1.02
12-May-10	1144	115	17.1	1.12
12-May-10	1145	110	14.7	1.11
12-May-10	1146	122	22.1	1.22
12-May-10	1147	121	19	1.07
18-May-10	1148	124	21.3	1.12
18-May-10	1149	111	14.6	1.06
18-May-10	1150	120	20.4	1.18
18-May-10	1151	105	12.8	1.11
18-May-10	1152	106	13.8	1.16
18-May-10	1153	105	13.2	1.14
18-May-10	1154	105	13.2	1.14
18-May-10	1155	110	15.3	1.15
18-May-10	1156	121	21.1	1.19
18-May-10	1157	105	14	1.21
18-May-10	1158	111	15.3	1.12
18-May-10	1159	110	15.3	1.15
18-May-10	1160	107	12.6	1.03
18-May-10	1161	96	7	0.79
18-May-10	1162	108	14.2	1.12
18-May-10	1163	96	10.1	1.14
18-May-10	1164	113	16.5	1.14
18-May-10	1165	105	12.4	1.07
18-May-10	1166	101	11.4	1.11
18-May-10	1167	105	12.6	1.09
18-May-10	1168	103	12.4	1.14

Period 2				
Date	Fish	Length	Weight	KC
18-May-10	1169	97	10.1	1.11
18-May-10	1170	101	12.2	1.19
18-May-10	1171	122	20.6	1.13
18-May-10	1172	132	28.3	1.23
18-May-10	1173	106	13.4	1.12
18-May-10	1174	118	18	1.1
18-May-10	1175	115	16.1	1.06
18-May-10	1176	112	15.3	1.09
18-May-10	1177	116	18	1.16
18-May-10	1178	120	17.8	1.03
18-May-10	1179	106	13.4	1.12
18-May-10	1180	96	10.5	1.18
18-May-10	1181	117	18.6	1.16
18-May-10	1182	110	14.6	1.09
18-May-10	1183	100	11.6	1.16
18-May-10	1184	112	14.7	1.05
18-May-10	1185	98	10.7	1.13
18-May-10	1186	105	12.4	1.07
18-May-10	1187	110	15.1	1.14
18-May-10	1188	100	10.9	1.09
18-May-10	1189	115	17.8	1.17
18-May-10	1190	103	12.8	1.17
18-May-10	1191	120	20	1.16
18-May-10	1192	111	15.7	1.15
18-May-10	1193	130	26.6	1.21
18-May-10	1194	122	21.1	1.16
18-May-10	1195	118	18.4	1.12
18-May-10	1196	97	10.9	1.19
18-May-10	1197	98	10.3	1.09
18-May-10	1198	115	14.2	0.93
18-May-10	1199	105	12.8	1.11
18-May-10	1200	100	11.1	1.11
18-May-10	1201	108	14.7	1.17
18-May-10	1202	101	10.9	1.05
18-May-10	1203	108	14	1.11
18-May-10	1204	116	14.7	0.94
18-May-10	1205	120	18.6	1.08

Period 2				
Date	Fish	Length	Weight	KC
18-May-10	1206	100	10.9	1.09
18-May-10	1207	126	24.8	1.24
19-May-10	1208	103	12.6	1.15
19-May-10	1209	95	9.1	1.06
19-May-10	1210	105	11.8	1.02
19-May-10	1211	105	13.4	1.16
19-May-10	1212	110	15.1	1.14
19-May-10	1213	126	20.2	1.01
19-May-10	1214	105	11.4	0.99
19-May-10	1215	129	25.4	1.18
19-May-10	1216	96	8.9	1.01
19-May-10	1217	126	22.1	1.11
19-May-10	1218	110	14.2	1.06
19-May-10	1219	103	12.8	1.17
19-May-10	1220	89	7.6	1.07
19-May-10	1221	106	13.4	1.12
19-May-10	1222	127	24.8	1.21
19-May-10	1223	111	14.4	1.05
19-May-10	1224	110	13.6	1.02
19-May-10	1225	104	11.6	1.03
19-May-10	1226	108	13.2	1.05
19-May-10	1227	104	12.4	1.1
19-May-10	1228	101	13.4	1.3
19-May-10	1229	101	10.9	1.05
19-May-10	1230	96	11.6	1.32
19-May-10	1231	105	12.4	1.07
19-May-10	1232	97	10.1	1.11
19-May-10	1233	112	18.4	1.31
19-May-10	1234	110	15.1	1.14
19-May-10	1235	110	15.1	1.14
19-May-10	1236	118	17.7	1.07
19-May-10	1237	93	8.9	1.11
19-May-10	1238	133	27.4	1.16
19-May-10	1239	112	16.3	1.16
19-May-10	1240	102	12	1.13
19-May-10	1241	128	22.7	1.08
19-May-10	1242	95	9.1	1.06

Period 2				
Date	Fish	Length	Weight	KC
19-May-10	1243	100	11.4	1.14
19-May-10	1244	121	21.7	1.23
19-May-10	1245	97	10.1	1.11
19-May-10	1246	110	14.7	1.11
19-May-10	1247	122	21.3	1.18
19-May-10	1248	117	18.2	1.14
19-May-10	1249	96	15.9	1.8
19-May-10	1250	94	8.5	1.03
19-May-10	1251	104	12.4	1.1
19-May-10	1252	97	9.3	1.02
19-May-10	1253	101	15.1	1.47
19-May-10	1254	102	12.4	1.17
19-May-10	1255	110	14	1.05
19-May-10	1256	104	11.4	1.02
19-May-10	1257	111	13.8	1.01
19-May-10	1258	99	10.5	1.08
19-May-10	1259	106	13.4	1.12
19-May-10	1260	113	15.1	1.05
19-May-10	1261	120	20.4	1.18
19-May-10	1262	99	11.1	1.14
19-May-10	1263	104	12.2	1.09
19-May-10	1264	76	7.4	1.68
19-May-10	1265	95	9.5	1.11
19-May-10	1266	100	11.8	1.18
19-May-10	1267	101	11.1	1.07
19-May-10	1268	103	12.2	1.12
19-May-10	1269	95	9.3	1.09
19-May-10	1270	105	12.4	1.07
19-May-10	1271	109	14.2	1.09
19-May-10	1272	101	11.4	1.11
19-May-10	1273	107	13	1.06
19-May-10	1274	101	11.1	1.07
19-May-10	1275	107	12	0.98
19-May-10	1276	91	8.3	1.11
19-May-10	1277	100	9.5	0.95
20-May-10	1278	114	16.1	1.09
20-May-10	1279	99	11.6	1.2

Period 2				
Date	Fish	Length	Weight	KC
20-May-10	1280	118	19.6	1.19
20-May-10	1281	120	20.8	1.2
20-May-10	1282	110	14.6	1.09
20-May-10	1283	100	11.3	1.13
20-May-10	1284	115	12.8	0.84
20-May-10	1285	103	11.4	1.05
20-May-10	1286	97	10.7	1.17
20-May-10	1287	103	15.1	1.38
20-May-10	1288	89	8.3	1.18
20-May-10	1289	96	9.9	1.12
20-May-10	1290	88	7.8	1.14
20-May-10	1291	105	14	1.21
20-May-10	1292	104	13	1.16
20-May-10	1293	99	10.7	1.1
20-May-10	1294	109	13.8	1.06
20-May-10	1295	116	22.9	1.47
20-May-10	1296	110	14.2	1.06
20-May-10	1297	110	14.6	1.09
20-May-10	1298	102	11.6	1.1
20-May-10	1299	88	8	1.17
20-May-10	1300	88	8.3	1.22
20-May-10	1301	102	12.8	1.21
20-May-10	1302	119	18.6	1.11
20-May-10	1303	114	16.1	1.09
20-May-10	1304	101	10.7	1.04
20-May-10	1305	70	4.7	1.36
20-May-10	1306	106	13	1.09
20-May-10	1307	101	12.6	1.22
20-May-10	1308	103	12.2	1.12
20-May-10	1309	92	8	1.02
20-May-10	1310	99	11.4	1.18
20-May-10	1311	95	9.9	1.15
20-May-10	1312	96	10.7	1.21
20-May-10	1313	112	17.8	1.27
20-May-10	1314	108	14.4	1.14
20-May-10	1315	109	14	1.08
20-May-10	1316	111	14.7	1.08

Period 2				
Date	Fish	Length	Weight	KC
20-May-10	1317	104	10.7	0.95
20-May-10	1318	123	21.9	1.18
20-May-10	1319	108	14.6	1.16
20-May-10	1320	93	10.1	1.25
20-May-10	1321	95	8	0.93
20-May-10	1322	98	10.9	1.15
20-May-10	1323	117	16.7	1.04
20-May-10	1324	98	11.6	1.24
20-May-10	1325	91	8	1.06
20-May-10	1326	116	19	1.22
20-May-10	1327	108	14	1.11
20-May-10	1328	123	23.3	1.25
20-May-10	1329	100	11.3	1.13
20-May-10	1330	95	10.1	1.18
20-May-10	1331	101	11.3	1.09
20-May-10	1332	119	20.4	1.21
20-May-10	1333	100	11.3	1.13
20-May-10	1334	99	10.9	1.12
20-May-10	1335	101	11.4	1.11
20-May-10	1336	126	24.4	1.22
20-May-10	1337	102	11.8	1.12
20-May-10	1338	108	17.5	1.39
20-May-10	1339	104	12.4	1.1
20-May-10	1340	111	14.9	1.09
20-May-10	1341	88	7.6	1.11
20-May-10	1342	106	11.4	0.96
20-May-10	1343	95	10.3	1.2
20-May-10	1344	105	11.6	1.01
20-May-10	1345	105	11.8	1.02
20-May-10	1346	127	24.1	1.17
20-May-10	1347	106	12	1.01
21-May-10	1348	101	11.1	1.07
21-May-10	1349	90	11.1	1.52
21-May-10	1350	110	14.4	1.08
21-May-10	1351	103	10.9	0.99
21-May-10	1352	95	9.1	1.06
21-May-10	1353	100	10.3	1.03

Period 2				
Date	Fish	Length	Weight	KC
21-May-10	1354	111	15.5	1.13
21-May-10	1355	115	17.5	1.15
21-May-10	1356	120	19.4	1.12
21-May-10	1357	97	11.1	1.21
21-May-10	1358	101	10.5	1.02
21-May-10	1359	100	10.9	1.09
21-May-10	1360	129	25.4	1.18
21-May-10	1361	127	20.6	1
21-May-10	1362	104	10.7	0.95
21-May-10	1363	103	11.6	1.07
21-May-10	1364	106	12.2	1.03
21-May-10	1365	95	9.7	1.13
21-May-10	1366	96	9.5	1.07
21-May-10	1367	103	11.3	1.03
21-May-10	1368	97	9.3	1.02
21-May-10	1369	109	13	1
21-May-10	1370	102	12.4	1.17
21-May-10	1371	86	6.8	1.07
21-May-10	1372	95	9.5	1.11
21-May-10	1373	103	12	1.1
21-May-10	1374	104	11.1	0.98
21-May-10	1375	113	18.2	1.26
21-May-10	1376	114	14.6	0.98
21-May-10	1377	102	10.7	1.01
21-May-10	1378	96	8.5	0.96
21-May-10	1379	99	10.5	1.08
21-May-10	1380	104	12.2	1.09
21-May-10	1381	95	9.3	1.09
21-May-10	1382	94	8.3	1
21-May-10	1383	110	13.6	1.02
21-May-10	1384	116	18.2	1.17
21-May-10	1385	98	9.5	1.01
21-May-10	1386	127	24.1	1.17
21-May-10	1387	107	13.2	1.08
21-May-10	1388	107	13.6	1.11
21-May-10	1389	110	14.7	1.11
21-May-10	1390	98	10.1	1.07

Period 2				
Date	Fish	Length	Weight	KC
21-May-10	1391	108	13.6	1.08
21-May-10	1392	106	12.2	1.03
21-May-10	1393	108	13.4	1.06
21-May-10	1394	105	12.4	1.07
21-May-10	1395	98	9.7	1.03
21-May-10	1396	106	12.8	1.08
21-May-10	1397	94	8.5	1.03
21-May-10	1398	106	12.2	1.03
21-May-10	1399	103	10.7	0.98
21-May-10	1400	107	13.4	1.09
21-May-10	1401	94	8.7	1.05
21-May-10	1402	100	10.9	1.09
21-May-10	1403	95	11.3	1.31
21-May-10	1404	106	13.2	1.11
21-May-10	1405	103	12	1.1
21-May-10	1406	92	8.9	1.15
21-May-10	1407	112	15.5	1.1
21-May-10	1408	103	11.6	1.07
21-May-10	1409	101	10.7	1.04
21-May-10	1410	107	12.8	1.05
21-May-10	1411	114	15.9	1.07
21-May-10	1412	125	21.5	1.1
21-May-10	1413	105	12.6	1.09
21-May-10	1414	105	12.6	1.09
21-May-10	1415	108	13.6	1.08
21-May-10	1416	100	11.1	1.11
21-May-10	1417	126	22.3	1.12
23-May-10	1418	110	12.6	0.95
23-May-10	1419	108	14.9	1.19
23-May-10	1420	128	27.5	1.31
23-May-10	1421	100	10.1	1.01
23-May-10	1422	110	12.8	0.96
23-May-10	1423	110	15.1	1.14
23-May-10	1424	100	11.3	1.13
23-May-10	1425	105	12.6	1.09
23-May-10	1426	91	9.3	1.24
23-May-10	1427	103	11.6	1.07

Period 2				
Date	Fish	Length	Weight	KC
23-May-10	1428	95	8.1	0.95
23-May-10	1429	98	8.5	0.91
23-May-10	1430	100	11.1	1.11
23-May-10	1431	100	10.9	1.09
23-May-10	1432	105	11.8	1.02
23-May-10	1433	85	6.8	1.11
23-May-10	1434	95	10.1	1.18
23-May-10	1435	101	12.4	1.21
23-May-10	1436	92	8.7	1.12
23-May-10	1437	104	12.2	1.09
23-May-10	1438	88	9.7	1.42
23-May-10	1439	98	10.3	1.09
23-May-10	1440	132	31	1.35
23-May-10	1441	95	9.3	1.09
23-May-10	1442	96	11.6	1.32
23-May-10	1443	100	12.8	1.28
23-May-10	1444	96	10.3	1.16
23-May-10	1445	110	13.2	0.99
23-May-10	1446	120	17.7	1.02
23-May-10	1447	102	11.8	1.12
23-May-10	1448	100	11.8	1.18
23-May-10	1449	105	13.2	1.14
23-May-10	1450	105	12.2	1.06
23-May-10	1451	120	18.4	1.07
23-May-10	1452	90	8	1.09
24-May-10	1453	99	10.7	1.1
24-May-10	1454	110	18	1.36
24-May-10	1455	92	11.3	1.44
24-May-10	1456	103	11.1	1.01
24-May-10	1457	95	8.7	1.02
24-May-10	1458	105	12.4	1.07
24-May-10	1459	107	13.8	1.12
24-May-10	1460	106	13.8	1.16
24-May-10	1461	95	9.1	1.06
24-May-10	1462	98	12.8	1.36
24-May-10	1463	99	11.4	1.18
24-May-10	1464	101	11.6	1.13

Period 2				
Date	Fish	Length	Weight	KC
24-May-10	1465	107	15.1	1.24
24-May-10	1466	105	12.8	1.11
24-May-10	1467	101	12	1.17
24-May-10	1468	100	12	1.2
24-May-10	1469	94	9.9	1.19
24-May-10	1470	102	12.2	1.15
24-May-10	1471	109	14.2	1.09
24-May-10	1472	106	13	1.09
24-May-10	1473	105	13.2	1.14
24-May-10	1474	86	8.1	1.28
24-May-10	1475	100	11.1	1.11
24-May-10	1476	111	14.4	1.05
24-May-10	1477	94	10.1	1.21
24-May-10	1478	114	21	1.41
24-May-10	1479	100	12.4	1.24
24-May-10	1480	100	10.9	1.09
24-May-10	1481	100	12.6	1.26
24-May-10	1482	101	11.4	1.11
24-May-10	1483	100	11.3	1.13
24-May-10	1484	111	17.3	1.26
24-May-10	1485	95	12.6	1.47
24-May-10	1486	126	25.6	1.28
24-May-10	1487	107	12.8	1.05
24-May-10	1488	95	10.7	1.24
24-May-10	1489	98	11.3	1.2
24-May-10	1490	96	10.7	1.21
24-May-10	1491	95	11.1	1.29
24-May-10	1492	99	11.3	1.16
24-May-10	1493	96	10.5	1.18
24-May-10	1494	110	15.9	1.2
24-May-10	1495	97	10.1	1.11
24-May-10	1496	96	11.1	1.25
24-May-10	1497	105	13.2	1.14
24-May-10	1498	100	11.8	1.18
24-May-10	1499	105	12	1.04
24-May-10	1500	105	12.6	1.09
24-May-10	1501	145	33.2	1.09

Period 2				
Date	Fish	Length	Weight	KC
24-May-10	1502	102	12.8	1.21
24-May-10	1503	114	16.1	1.09
24-May-10	1504	93	8.9	1.11
24-May-10	1505	97	9.7	1.06
24-May-10	1506	100	12.4	1.24
24-May-10	1507	95	9.3	1.09
24-May-10	1508	101	10.9	1.05
24-May-10	1509	104	12	1.07
24-May-10	1510	109	16.7	1.29
24-May-10	1511	102	12.8	1.21
24-May-10	1512	115	19.8	1.3
24-May-10	1513	95	9.3	1.09
24-May-10	1514	110	14.2	1.06
24-May-10	1515	115	15.9	1.05
24-May-10	1516	100	10.1	1.01
24-May-10	1517	98	10.7	1.13
24-May-10	1518	99	10.9	1.12
24-May-10	1519	102	10.7	1.01
24-May-10	1520	95	9.5	1.11
24-May-10	1521	105	12.4	1.07
24-May-10	1522	89	8.3	1.18
24-May-10	1523	100	10.5	1.05
24-May-10	1524	104	13	1.16
24-May-10	1525	95	10.1	1.18
24-May-10	1526	106	13.4	1.12
24-May-10	1527	72	5	1.35
24-May-10	1528	95	10.3	1.2
24-May-10	1529	104	12.2	1.09
24-May-10	1530	100	11.4	1.14
24-May-10	1531	116	19.2	1.23
24-May-10	1532	91	9.9	1.31
24-May-10	1533	105	13.4	1.16
24-May-10	1534	103	13.2	1.21
24-May-10	1535	94	9.5	1.14
24-May-10	1536	111	16.9	1.23
24-May-10	1537	100	12.6	1.26
24-May-10	1538	108	12.8	1.02

Period 2				
Date	Fish	Length	Weight	KC
24-May-10	1539	99	11.8	1.22
24-May-10	1540	95	11.4	1.34
24-May-10	1541	104	12.8	1.14
Average		**110**	**15.5**	**1.11**

Period 2				
Date	Fish	Length	Weight	KC
Min		**70**	**4.7**	**0.77**
Max		**160**	**43.8**	**1.8**
SD		**12**	**5.3**	**0.1**

Period 3				
Date	Fish	Length	Weight	KC
25-May-10	1542	88	8	1.17
25-May-10	1543	96	8.3	0.94
25-May-10	1544	102	9.1	0.86
25-May-10	1545	97	9.3	1.02
25-May-10	1546	103	11.8	1.08
25-May-10	1547	117	18.8	1.17
25-May-10	1548	121	20.4	1.15
25-May-10	1549	101	11.4	1.11
25-May-10	1550	101	10.1	0.98
25-May-10	1551	114	16.3	1.1
25-May-10	1552	90	7.4	1.01
25-May-10	1553	118	11.1	0.67
25-May-10	1554	103	11.3	1.03
25-May-10	1555	104	11.6	1.03
25-May-10	1556	99	10.1	1.04
25-May-10	1557	96	10.1	1.14
25-May-10	1558	106	11.8	0.99
25-May-10	1559	121	21.3	1.2
25-May-10	1560	105	11.8	1.02
25-May-10	1561	99	9.7	1
25-May-10	1562	107	13.4	1.09
25-May-10	1563	102	11.4	1.08
25-May-10	1564	95	8.5	1
25-May-10	1565	96	9.7	1.1
25-May-10	1566	107	19.8	1.62
25-May-10	1567	110	14.9	1.12
25-May-10	1568	108	12.2	0.97
25-May-10	1569	107	12.2	1
25-May-10	1570	105	11.6	1.01
25-May-10	1571	103	11.6	1.07

Period 3				
Date	Fish	Length	Weight	KC
25-May-10	1572	109	14	1.08
25-May-10	1573	112	13.8	0.98
25-May-10	1574	110	13.8	1.03
25-May-10	1575	106	11.8	0.99
25-May-10	1576	94	9.1	1.1
25-May-10	1577	107	12.8	1.05
25-May-10	1578	99	10.9	1.12
25-May-10	1579	95	8.9	1.04
25-May-10	1580	111	14.7	1.08
25-May-10	1581	103	10.1	0.92
25-May-10	1582	98	9.9	1.05
25-May-10	1583	106	12	1.01
25-May-10	1584	106	12.6	1.06
25-May-10	1585	104	12	1.07
25-May-10	1586	125	23.5	1.2
25-May-10	1587	125	11.1	0.57
25-May-10	1588	109	13.8	1.06
25-May-10	1589	88	6.4	0.94
25-May-10	1590	103	11.6	1.07
25-May-10	1591	99	11.8	1.22
25-May-10	1592	114	11.8	0.8
25-May-10	1593	100	10.7	1.07
25-May-10	1594	108	12	0.95
25-May-10	1595	100	11.1	1.11
25-May-10	1596	103	12.2	1.12
25-May-10	1597	97	10.5	1.15
25-May-10	1598	92	8.5	1.1
25-May-10	1599	114	16.1	1.09
26-May-10	1600	97	11.1	1.21
26-May-10	1601	96	9.7	1.1

Period 3				
Date	Fish	Length	Weight	KC
26-May-10	1602	96	9.9	1.12
26-May-10	1603	94	6.2	0.75
26-May-10	1604	99	10.9	1.12
26-May-10	1605	101	12.2	1.19
26-May-10	1606	94	10.9	1.31
26-May-10	1607	95	13.2	1.54
26-May-10	1608	93	9.5	1.18
26-May-10	1609	104	11.8	1.05
26-May-10	1610	99	10.7	1.1
26-May-10	1611	100	12.8	1.28
26-May-10	1612	100	10.3	1.03
26-May-10	1613	99	10.1	1.04
26-May-10	1614	91	9.5	1.26
26-May-10	1615	99	10.5	1.08
26-May-10	1616	109	15.1	1.17
26-May-10	1617	90	8.5	1.17
26-May-10	1618	98	10.3	1.09
26-May-10	1619	93	8.7	1.09
26-May-10	1620	100	11.6	1.16
26-May-10	1621	93	8.7	1.09
26-May-10	1622	109	13.8	1.06
26-May-10	1623	105	14	1.21
26-May-10	1624	104	12.6	1.12
26-May-10	1625	90	9.1	1.25
26-May-10	1626	104	12	1.07
26-May-10	1627	95	10.3	1.2
26-May-10	1628	103	11.3	1.03
26-May-10	1629	90	9.7	1.33
26-May-10	1630	94	9.9	1.19
26-May-10	1631	108	14.2	1.12
26-May-10	1632	104	10.3	0.91
26-May-10	1633	99	10.1	1.04
26-May-10	1634	104	12.4	1.1
26-May-10	1635	98	10.9	1.15
26-May-10	1636	103	11.6	1.07
26-May-10	1637	99	9.9	1.02
26-May-10	1638	97	11.6	1.28

Period 3				
Date	Fish	Length	Weight	KC
26-May-10	1639	108	14.4	1.14
26-May-10	1640	91	8.1	1.08
26-May-10	1641	96	9.9	1.12
26-May-10	1642	100	11.4	1.14
26-May-10	1643	108	17.3	1.37
26-May-10	1644	106	12.2	1.03
26-May-10	1645	102	10.5	0.99
26-May-10	1646	105	12	1.04
26-May-10	1647	100	13	1.3
26-May-10	1648	103	12	1.1
26-May-10	1649	96	10.1	1.14
26-May-10	1650	107	14	1.14
26-May-10	1651	100	11.6	1.16
26-May-10	1652	98	9.9	1.05
26-May-10	1653	104	12.2	1.09
26-May-10	1654	104	12.6	1.12
26-May-10	1655	106	9.5	0.8
26-May-10	1656	116	18.6	1.19
26-May-10	1657	112	16.7	1.19
26-May-10	1658	98	10.1	1.07
26-May-10	1659	96	11.1	1.25
26-May-10	1660	125	24.6	1.26
26-May-10	1661	100	10.9	1.09
26-May-10	1662	100	11.1	1.11
26-May-10	1663	103	11.3	1.03
26-May-10	1664	94	9.9	1.19
26-May-10	1665	110	13.8	1.03
26-May-10	1666	121	19.6	1.11
26-May-10	1667	120	20.4	1.18
26-May-10	1668	90	8.9	1.22
26-May-10	1669	101	11.8	1.15
2-Jun-10	1670	119	15.5	0.92
2-Jun-10	1671	90	9.7	1.33
2-Jun-10	1672	95	8.9	1.04
2-Jun-10	1673	107	10.3	0.84
2-Jun-10	1674	98	10.3	1.09
2-Jun-10	1675	96	6.4	0.72

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
2-Jun-10	1676	115	11.8	0.78
2-Jun-10	1677	106	10.5	0.88
2-Jun-10	1678	94	8.5	1.03
2-Jun-10	1679	103	11.8	1.08
2-Jun-10	1680	100	11.1	1.11
2-Jun-10	1681	105	11.6	1.01
2-Jun-10	1682	91	7.6	1
2-Jun-10	1683	100	10.9	1.09
2-Jun-10	1684	101	11.1	1.07
2-Jun-10	1685	140	29.3	1.07
2-Jun-10	1686	91	9.3	1.24
2-Jun-10	1687	116	14.9	0.96
2-Jun-10	1688	130	27.9	1.27
2-Jun-10	1689	115	14.4	0.94

Period 3				
Date	**Fish**	**Length**	**Weight**	**KC**
2-Jun-10	1690	108	13	1.03
2-Jun-10	1691	98	10.1	1.07
2-Jun-10	1692	110	15.3	1.15
2-Jun-10	1693	174	50.4	0.96
2-Jun-10	1694	100	10.5	1.05
2-Jun-10	1695	110	12.6	0.95
2-Jun-10	1696	108	11.8	0.94
2-Jun-10	1697	129	14.4	0.67
2-Jun-10	1698	90	7.8	1.06
2-Jun-10	1699	115	17.1	1.12
Average		**104**	**12.3**	**1.08**
Min		**88**	**6.2**	**0.57**
Max		**174**	**50.4**	**1.62**
SD		**11**	**4.7**	**0.14**

Appendix F. Daily water level and temperature during the fall 2010 adult migration period.

Date	Water Temp (C°)	Air Temp (C°)		Water Level (cm)	Weather	Comment
		Low	High			
10-Oct-10	10	7	15	75	Sun	
11-Oct-10	10	5	14	75	Cloud	
12-Oct-10	10	11	14	70	Cloud	
13-Oct-10	10.5	7	15	65	Sun	No Rain
14-Oct-10	11.5	8	13	60	Sun/Cloud	Low Water
15-Oct-10	8.8	2	12	60	Sun	Low Water
16-Oct-10	7.3	3	12	60	Sun	Low Water
17-Oct-10	6.8	1	11	58	Sun	
18-Oct-10	8.3	6	11	53	Cloud/Rain	
19-Oct-10	8.8	7	12	51	Sun/Cloud	Low Water
20-Oct-10	8.1	3	14	51	Sun	Low Water
21-Oct-10	8.2	3	11	52	Sun	Low Water
22-Oct-10	9.5	7	15	52	Sun	Low Water
23-Oct-10	9.8		*9.8	56	Cloud	Low Water
24-Oct-10	9.9	10	12	98	Sun/Rain	
25-Oct-10	10	10	13	104	Cloud/Rain	
26-Oct-10	9.2		*9.8	106	Cloud/Rain	
27-Oct-10	9.7		*9	107	Cloud/Rain	
28-Oct-10	9.5		*7.8	104	Cloud/Rain	
29-Oct-10	9.2	8	10	101	Sun/Rain	
30-Oct-10	9.7		*9.2	102	Cloud/Rain	
31-Oct-10	8.8		*4.3	107	Sun	
1-Nov-10	9		*9.8	146	Cloud/Rain	
2-Nov-10	8.5		*2.8	156	Sun	
3-Nov-10	8.6		*5.8	138	Sun	
4-Nov-10	8.4		*6.8	118	Sun/Cloud	

Appendix G. Adult Coho data, Black Creek fall fence, 2010.

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	J	1	33	-				
10-Oct-10	J	1	31	-				
10-Oct-10	J	1	27	-				
10-Oct-10	J	1	36	-				
10-Oct-10	J	1	25	-				
10-Oct-10	M	1	69	N	4851			
10-Oct-10	F	1	68	Y	4852			
10-Oct-10	J	1	28	-				
10-Oct-10	J	1	26	-				
10-Oct-10	M	1	72	N	4853/4854			
10-Oct-10	J	1	33	-				
10-Oct-10	J	1	30	-				
10-Oct-10	M	1	72	N				NO TAG/3 TAGS GONE
10-Oct-10	J	1	34	-				
10-Oct-10	J	1	30	-				
10-Oct-10	J	1	31	-				
10-Oct-10	J	1	38	N				
10-Oct-10	J	1	33	-				
10-Oct-10	J	1	27	-				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	33	N				
10-Oct-10	F	1	70	N	4860			4855-4859 WASTED
10-Oct-10	F	1	66	N	4861			
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	33	N				
10-Oct-10	M	1	68	N	4862			
10-Oct-10	J	1	28	N				
10-Oct-10	M	1	44	N	4863			
10-Oct-10	M	1	56	N				NO TAG
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	36	N				
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	36	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	J	1	35	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	31	N				
10-Oct-10	M	1	66	-				NO TAG, NO CWT CHECK
10-Oct-10	M	1	69	-				NO TAG, NO CWT CHECK
10-Oct-10	J	1	35	-				
10-Oct-10	J	1	29	-				
10-Oct-10	J	1	32	-				
10-Oct-10	M	1	70	N				
10-Oct-10	M	1	43	N	4868			
10-Oct-10	M	1	66	Y	4869			
10-Oct-10	F	1	68	N	4870			
10-Oct-10	M	1	49	N	4872			4871 WASTED
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	35	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	30	Y				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	29	Y				
10-Oct-10	J	1	28	N				
10-Oct-10	F	1	59	-				NO CWT CHECK, NO TAG
10-Oct-10	F	1	60	N	4873			
10-Oct-10	M	1	64	N	4874			
10-Oct-10	M	1	70	N	4876			4875 WASTED
10-Oct-10	J	1	38	N				
10-Oct-10	J	1	36	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	38	Y				
10-Oct-10	J	1	35	N				
10-Oct-10	M	1	71	N	4879			
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	32	-				
10-Oct-10	M	1	69	N	4880			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	J	1	37	N				
10-Oct-10	F	1	66	N				NO TAG
10-Oct-10	J	1	26	N				
10-Oct-10	F	1	67	N				NO TAG, JUMPER
10-Oct-10	F	1	67	N	4883			4881/4882 WASTED
10-Oct-10	J	1	29	N				
10-Oct-10	M	1	67	N	4885			
10-Oct-10	F	1	61	N				
10-Oct-10	F	1	66	N	4905			4886-4904 WASTED
10-Oct-10	M	2	75	Y				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	34	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	36	N				
10-Oct-10	J	1	30	-				
10-Oct-10	F	1	50	N	4908			4906/4907 WASTED
10-Oct-10	M	2	64	Y				NO TAG
10-Oct-10	J	1	36	N				
10-Oct-10	J	1	30	N				
10-Oct-10	F	1	48	N	4911			4909/4910 WASTED
10-Oct-10	F	1	65	N				NO TAG
10-Oct-10	F	1	63	-				NO CWT CHECK, NO TAG
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	38	N				
10-Oct-10	J	1	30	N				
10-Oct-10	F	1	63	N				NO TAG
10-Oct-10	M	2	74	N				NO TAG
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	31	-				
10-Oct-10	J	1	30	-				
10-Oct-10	J	1	36	-				
10-Oct-10	J	1	30	-				
10-Oct-10	J	1	30	N				
10-Oct-10	M	1	66	N				NO TAG
10-Oct-10	F	2	63	-	4402			NO CWT CHECK, NO TAG

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	F	1	60	N	4403			
10-Oct-10	F	1	61	N	4404			
10-Oct-10	F	1	47	N	4405			
10-Oct-10	M	1	67	N	4406			
10-Oct-10	J	1	30	Y				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	28	N				
10-Oct-10	M	2	49	N	4407			
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	29	N				
10-Oct-10	F	1	64	N	4408			
10-Oct-10	F	1	61	N	4409			
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	30	N				
10-Oct-10	M	2	75	N	4411			4410 WASTED
10-Oct-10	J	1	29	Y				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	31	Y				
10-Oct-10	F	1	64	Y	4412			
10-Oct-10	F	1	61	N	4413			
10-Oct-10	M	1	74	N	4414			
10-Oct-10	J	1	39	N				
10-Oct-10	J	1	42	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	43	N				
10-Oct-10	M	1	69	N	4415			
10-Oct-10	F	1	60	N	4416			
10-Oct-10	J	1	30	Y				
10-Oct-10	J	1	31	Y				
10-Oct-10	F	1	58	N	4418			4417 WASTED
10-Oct-10	F	1	67	N	4419			
10-Oct-10	F	1	62	N	4420			
10-Oct-10	J	1	36	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	32	N				
10-Oct-10	F	1	61	N	4421			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	M	1	64	N	4422			
10-Oct-10	F	1	59	N	4423			
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	29	N				
10-Oct-10	F	1	53	N	4424			
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	31	Y				
10-Oct-10	F	1	64	N	4425			
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	28	N				
10-Oct-10	M	1	47	N	4426			
10-Oct-10	F	1	70	-				NO CWT CHECK, NO TAG
10-Oct-10	F	1	65	N	4427			
10-Oct-10	F	1	63	N	4428			
10-Oct-10	M	1	56	N				NO TAG, ESCAPED
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	38	N				
10-Oct-10	J	1	27	-				
10-Oct-10	M	1	65	N				NO TAG
10-Oct-10	J	1	31	Y				
10-Oct-10	J	1	30	N				
10-Oct-10	M	2	69	N				
10-Oct-10	M	1	69	-	4923			NO CWT CHECK, NO TAG
10-Oct-10	F	1	44	N	4924			
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	34	N				
10-Oct-10	F	1	50	N	4926			4925 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	M	2	62	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	32	N				
10-Oct-10	M	2	70	N	4931			4927-4930 WASTED
10-Oct-10	F	1	68	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	33	Y				
10-Oct-10	J	1	33	N				NO TAGS, NO GUN
10-Oct-10	F	1	63	N				NO TAGS, NO GUN
10-Oct-10	F	1	53	N				NO TAGS, NO GUN
10-Oct-10	M	1	59	N				NO TAGS, NO GUN
10-Oct-10	J	1	38	N				NO TAGS, NO GUN
10-Oct-10	J	1	21	N				NO TAGS, NO GUN
10-Oct-10	J	1	31	N				NO TAGS, NO GUN
10-Oct-10	J	1	33	N				NO TAGS, NO GUN
10-Oct-10	F	1	58	N				NO TAGS, NO GUN
10-Oct-10	F	1	59	N				NO TAGS, NO GUN
10-Oct-10	J	1	31	N				NO TAGS, NO GUN
10-Oct-10	J	1	30	N				NO TAGS, NO GUN
10-Oct-10	F	1	57	N				NO TAGS, NO GUN
10-Oct-10	F	1	57	N				NO TAGS, NO GUN
10-Oct-10	J	1	31	N				NO TAGS, NO GUN
10-Oct-10	J	1	29	N				NO TAGS, NO GUN
10-Oct-10	J	1	31	N				NO TAGS, NO GUN
10-Oct-10	J	1	26	N				NO TAGS, NO GUN
10-Oct-10	J	1	30	N				NO TAGS, NO GUN
10-Oct-10	J	1	30	N				NO TAGS, NO GUN
10-Oct-10	F	1	65	N				NO TAGS, NO GUN
10-Oct-10	J	1	30	N				NO TAGS, NO GUN
10-Oct-10	J	1	26	N				NO TAGS, NO GUN
10-Oct-10	M	1	35	N				NO TAGS, NO GUN
10-Oct-10	J	1	30	N				NO TAGS, NO GUN
10-Oct-10	J	1	31	N				NO TAGS, NO GUN
10-Oct-10	J	1	33	N				NO TAGS, NO GUN
10-Oct-10	J	1	29	N				NO TAGS, NO GUN
10-Oct-10	J	1	33	N				NO TAGS, NO GUN
10-Oct-10	J	1	31	N				NO TAGS, NO GUN
10-Oct-10	M	2	61	N				NO TAGS, NO GUN

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	F	1	40	N				NO TAGS, NO GUN
10-Oct-10	M	2	52	N				NO TAGS, NO GUN
10-Oct-10	J	1	28	N				NO TAGS, NO GUN
10-Oct-10	F	1	62	N	4351			
10-Oct-10	M	1	70	N	4352			
10-Oct-10	F	1	70	N	4353			
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	27	N				
10-Oct-10	F	1	69	N	4354			
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	30	N				
10-Oct-10	M	2	68	N	4355			
10-Oct-10	F	1	70	N	4356			
10-Oct-10	F	1	70	N				
10-Oct-10	M	2	68	N	4357			
10-Oct-10	J	1	25	N				
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	24	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	33	N				
10-Oct-10	M	2	71	N	4358			
10-Oct-10	M	2	-	N				ESCAPED
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	29	N				
10-Oct-10	M	2	70	N	4360			4359 WASTED
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	33	N				
10-Oct-10	M	2	62	N	4362			4361 WASTED
10-Oct-10	M	1	64	N	4363			
10-Oct-10	F	2	68	N	4364			
10-Oct-10	M	2	69	N	4365			
10-Oct-10	F	1	63	N	4366			
10-Oct-10	J	1	36	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	30	N				
10-Oct-10	M	2	49	N	4367			
10-Oct-10	M	1	54	N	4368			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	F	1	57	N	4369			
10-Oct-10	F	1	56	N	4370			
10-Oct-10	F	1	68	N	4371			
10-Oct-10	J	1	33	N				
10-Oct-10	F	2	68	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	30	N				
10-Oct-10	M	1	76	N	4372			
10-Oct-10	F	2	72	N	4374			4373 WASTED
10-Oct-10	J	1	35	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	27	N				
10-Oct-10	M	1	64	N	4375			
10-Oct-10	M	2	76	N	4376			
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	35	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	35	N				
10-Oct-10	J	1	26	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	26	N				
10-Oct-10	M	1	65	N	4377			
10-Oct-10	M	1	66	N	4378			
10-Oct-10	J	1	33	N				
10-Oct-10	M	1	47	N	4379			
10-Oct-10	M	1	43	N				
10-Oct-10	J	1	28	N				
10-Oct-10	M	1	58	N	4380			
10-Oct-10	M	1	53	N	4382			4381 WASTED
10-Oct-10	F	1	71	N	4383			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	F	1	64	Y	4384			
10-Oct-10	J	1	40	N				
10-Oct-10	J	1	38	N				
10-Oct-10	J	1	32	Y				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	26	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	34	N				
10-Oct-10	F	1	69	N	4385			
10-Oct-10	F	1	68	N	4386			
10-Oct-10	M	2	69	N	4387			
10-Oct-10	M	1	64	N	4388			
10-Oct-10	M	1	59	N	4389			
10-Oct-10	F	1	58	N	4390			
10-Oct-10	F	1	64	N	4391			
10-Oct-10	J	1	33	N				
10-Oct-10	M	1	64	N	4392			
10-Oct-10	F	1	61	N	4393			
10-Oct-10	F	1	62	N	4394			
10-Oct-10	M	1	67	N	4395			
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	37	N				
10-Oct-10	J	1	36	N				
10-Oct-10	J	1	29	Y				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	59	-				
10-Oct-10	M	1	67	N	4396			
10-Oct-10	M	1	48	N	4397			
10-Oct-10	J	1	39	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	33	N				
10-Oct-10	M	2	65	N	4398			
10-Oct-10	M	1	65	N	4399			
10-Oct-10	M	1	69	N	4400			
10-Oct-10	J	1	31	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	J	1	30	N				
10-Oct-10	F	1	67	N	4951			
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	34	N				
10-Oct-10	M	2	58	N	4952			
10-Oct-10	J	1	26	N				
10-Oct-10	J	1	32	N				
10-Oct-10	M	1	75	N	4953			
10-Oct-10	F	1	65	N	4954			
10-Oct-10	M	2	47	N	4955			
10-Oct-10	J	1	30	N				
10-Oct-10	M	2	62	N	4956			
10-Oct-10	F	1	48	N	4957			
10-Oct-10	J	1	36	N				
10-Oct-10	J	1	33	N				
10-Oct-10	M	2	70	N	4958			
10-Oct-10	M	1	67	N	4959			
10-Oct-10	F	1	66	N	4960			
10-Oct-10	M	1	49	N	4961			
10-Oct-10	F	1	57	N	4962			
10-Oct-10	M	1	70	N	4963			
10-Oct-10	M	1	68	N	4964			
10-Oct-10	J	1	31	Y				
10-Oct-10	J	1	32	Y				
10-Oct-10	J	1	31	-				
10-Oct-10	J	1	26	-				
10-Oct-10	J	1	28	N				
10-Oct-10	M	1	67	N	4965			
10-Oct-10	J	1	28	N				
10-Oct-10	M	1	65	N	4966			
10-Oct-10	J	1	30	N				
10-Oct-10	M	1	70	N	4967			
10-Oct-10	J	1	41	N				
10-Oct-10	M	1	61	N	4968			
10-Oct-10	M	1	72	N	4970			4969 WASTED
10-Oct-10	M	1	59	N	4971			
10-Oct-10	F	1	64	N	4972			
10-Oct-10	M	1	69	N	4973			
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	26	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	M	2	62	N	4974			
10-Oct-10	M	1	58	N	4975			
10-Oct-10	F	1	63	N	4976			
10-Oct-10	M	1	63	N	4977			
10-Oct-10	M	1	54	N	4978			
10-Oct-10	M	1	66	N	4979			
10-Oct-10	M	1	68	N	4980			
10-Oct-10	F	1	51	N	4981			
10-Oct-10	M	1	68	N	4982			
10-Oct-10	M	1	71	N	4984			4983 WASTED
10-Oct-10	M	1	64	N	4985			
10-Oct-10	F	1	68	N	4986			
10-Oct-10	M	1	70	N	4988			4987 WASTED
10-Oct-10	M	1	65	N				
10-Oct-10	J	1	26	-				
10-Oct-10	J	1	42	-				
10-Oct-10	F	1	62	-	4989			NO CWT CHECK, NO TAG
10-Oct-10	M	1	66	-	4992			4990/4991 WASTED, NO CWT CHECK, NO TAG
10-Oct-10	F	1	70	N	4993			NO TAG
10-Oct-10	J	1	28	N				
10-Oct-10	M	1	66	N	4994			
10-Oct-10	M	1	68	N	4996			4995 WASTED
10-Oct-10	J	1	31	N				
10-Oct-10	M	2	70	N	4997			
10-Oct-10	J	1	30	N				
10-Oct-10	M	1	64	N	4998			
10-Oct-10	F	1	65	N	4999			
10-Oct-10	J	1	29	N				
10-Oct-10	M	1	68	N	5000			
10-Oct-10	M	1	63	N	4301			
10-Oct-10	M	1	70	N	4302			
10-Oct-10	F	1	63	N	4303			
10-Oct-10	F	1	67	N	4305			4304 WASTED
10-Oct-10	J	1	34	N				
10-Oct-10	M	1	64	N	4306			
10-Oct-10	M	1	63	N	4307			
10-Oct-10	F	1	70	-	4309			4308 WASTED,NO CWT CHECK

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	M	2	63	N	4310			
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	28	N				
10-Oct-10	F	1	44	N	4311			
10-Oct-10	M	2	65	N	4312			
10-Oct-10	J	1	26	N				
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	39	N				
10-Oct-10	M	2	74	N	4313			
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	38	N				
10-Oct-10	M	1	49	N	4315			4314 WASTED
10-Oct-10	M	1	57	N	4316			
10-Oct-10	M	2	72	N	4317			
10-Oct-10	-	-	-	-	4318			UNKNOWN
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	27	N				
10-Oct-10	M	2	64	N	4319			
10-Oct-10	M	1	72	N	4320			
10-Oct-10	M	2	74	N	4321			
10-Oct-10	F	1	45	N	4322			
10-Oct-10	F	1	56	N	4324			4323 WASTED
10-Oct-10	J	1	29	N				
10-Oct-10	M	1	68	N	4325			
10-Oct-10	F	1	69	N	4326			
10-Oct-10	F	1	56	N	4327			
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	29	-				NO CWT CHECK
10-Oct-10	M	1	60	N	4328			
10-Oct-10	M	1	68	N	4329			
10-Oct-10	J	1	30	-				NO CWT CHECK
10-Oct-10	J	-	25	-				NO CWT CHECK
10-Oct-10	J	1	26	N				
10-Oct-10	J	1	35	N				
10-Oct-10	M	2	65	N	4330			
10-Oct-10	M	1	60	Y	4331			
10-Oct-10	J	1	33	N				
10-Oct-10	M	2	70	N	4333			4332 WASTED
10-Oct-10	M	1	62	N	4334			
10-Oct-10	F	1	52	N	4335			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	F	1	65	N	4336			
10-Oct-10	J	1	40	N				
10-Oct-10	F	1	60	N	4337			
10-Oct-10	M	2	65	N	4338			
10-Oct-10	J	1	31	N				
10-Oct-10	M	1	62	N	4339			
10-Oct-10	J	1	29	N				
10-Oct-10	M	2	66	N	4340			
10-Oct-10	J	1	31	N				
10-Oct-10	M	2	68	N	4341			
10-Oct-10	M	2	67	N	4342			
10-Oct-10	M	2	65	N	4343			
10-Oct-10	F	1	65	N	4344			
10-Oct-10	M	1	71	N	4345			
10-Oct-10	-	-	-	-	4346			UNKNOWN
10-Oct-10	J	1	-	N				
10-Oct-10	M	1	45	N	4347			
10-Oct-10	J	1	28	Y				
10-Oct-10	M	1	54	N	4348			
10-Oct-10	M	2	67	N	4349			
10-Oct-10	J	1	31	Y				
10-Oct-10	M	1	72	N	4350			
10-Oct-10	M	1	70	N	4351			
10-Oct-10	J	1	28	Y				
10-Oct-10	J	1	28	Y				
10-Oct-10	M	1	61	N	6902			6901 WASTED
10-Oct-10	M	1	70	N	6903			
10-Oct-10	J	1	28	Y				
10-Oct-10	F	1	65	N	6904			
10-Oct-10	F	1	55	N	6905			
10-Oct-10	M	1	50	N	6906			
10-Oct-10	M	2	65	N	6907			
10-Oct-10	F	2	46	Y	6908			
10-Oct-10	M	2	72	Y	6909			
10-Oct-10	M	2	63	N	6910			
10-Oct-10	M	1	65	N	6911			
10-Oct-10	M	1	69	N	6912			
10-Oct-10	M	1	61	N	6913			
10-Oct-10	M	1	67	N	6914			
10-Oct-10	M	2	73	Y	6915			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	-	-	-	-	6916			UNKNOWN
10-Oct-10	J	1	28	N				
10-Oct-10	M	2	52	N	6918			6917 WASTED
10-Oct-10	F	1	56	N	6919			
10-Oct-10	J	1	33	Y				
10-Oct-10	F	1	63	N	6920			
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	27	N				
10-Oct-10	M	2	66	N	6921			
10-Oct-10	F	1	63	N	6922			
10-Oct-10	M	1	66	N	6923			
10-Oct-10	J	1	30	N				
10-Oct-10	M	1	66	N	6924			
10-Oct-10	M	2	70	N	6925			
10-Oct-10	J	1	28	N				
10-Oct-10	F	1	64	N	6926			
10-Oct-10	J	1	31	N				
10-Oct-10	M	1	46	-	6927			
10-Oct-10	J	1	29	N				
10-Oct-10	F	1	70	N	6928			
10-Oct-10	F	1	64	N	6929			
10-Oct-10	F	1	63	Y	6930			
10-Oct-10	J	1	25	N				
10-Oct-10	M	1	71	N	6931			
10-Oct-10	M	1	69	N	6932			
10-Oct-10	F	1	70	-	6933			
10-Oct-10	J	1	31	N				
10-Oct-10	F	1	66	N	6934			
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	28	-				
10-Oct-10	M	1	69	N	6935			
10-Oct-10	F	1	65	N	6936			
10-Oct-10	F	1	64	Y	6937			
10-Oct-10	F	1	67	N	6938			
10-Oct-10	M	1	63	Y	6939			
10-Oct-10	J	1	30	N				
10-Oct-10	M	1	72	N	6940			
10-Oct-10	M	2	62	N	6941			
10-Oct-10	M	1	70	N	6942			
10-Oct-10	J	1	31	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	F	1	67	N	6943			
10-Oct-10	M	2	78	N	6944			
10-Oct-10	F	1	66	N	6945			
10-Oct-10	J	1	28	N				
10-Oct-10	F	1	67	N	6946			
10-Oct-10	M	2	68	Y	6948			6947 WASTED
10-Oct-10	F	1	65	N	6949			
10-Oct-10	M	1	62	N	6950			
10-Oct-10	J	1	28	N				
10-Oct-10	M	1	70	-	6951			NO CWT CHECK
10-Oct-10	J	1	27	Y				
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	29	N				
10-Oct-10	M	1	53	N	6952			
10-Oct-10	J	1	28	N				
10-Oct-10	F	1	60	N	6953			
10-Oct-10	-	-	-	-	6954			UNKNOWN
10-Oct-10	J	1	30	N				
10-Oct-10	M	1	58	N	6955			
10-Oct-10	M	1	71	N	6956			
10-Oct-10	F	1	69	N	6957			
10-Oct-10	J	1	25	N				
10-Oct-10	J	1	27	N				
10-Oct-10	M	1	67	N	6958			
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	29	N				
10-Oct-10	M	1	68	N	6959			
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	31	N				
10-Oct-10	J	1	29	N				
10-Oct-10	J	1	31	N				
10-Oct-10	F	1	60	N	6960			
10-Oct-10	F	1	63	N	6961			
10-Oct-10	M	2	69	N	6962			
10-Oct-10	M	2	72	N	6963			
10-Oct-10	J	1	27	N	-			
10-Oct-10	M	1	67	N	6964			
10-Oct-10	M	1	48	N	6965			
10-Oct-10	J	1	27	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	J	1	32	N				
10-Oct-10	M	1	65	Y	6966			
10-Oct-10	F	1	48	N	6968			6967 WASTED
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	30	Y				
10-Oct-10	F	1	52	N	6969			
10-Oct-10	F	1	62	Y	6970			
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	27	N				
10-Oct-10	M	1	66	N	6971			
10-Oct-10	J	1	31	N				
10-Oct-10	F	1	68	N	6972			
10-Oct-10	F	1	66	N	6973			
10-Oct-10	J	1	27	Y				
10-Oct-10	M	1	74	N	6974			
10-Oct-10	-	-	-	-	6975			UNKNOWN
10-Oct-10	J	1	27	N				
10-Oct-10	F	1	52	N	6976			
10-Oct-10	M	1	72	N	6977			
10-Oct-10	M	1	69	N	6978			
10-Oct-10	J	1	29	N				
10-Oct-10	M	1	67	N	6980			6979 WASTED
10-Oct-10	M	1	68	N	6981			
10-Oct-10	J	1	33	N				
10-Oct-10	J	1	27	N				
10-Oct-10	J	1	27	N				
10-Oct-10	F	1	61	N	6982			
10-Oct-10	M	1	66	N	6984			6983 WASTED
10-Oct-10	J	1	34	Y				
10-Oct-10	J	1	42	N				
10-Oct-10	F	1	65	N	6985			
10-Oct-10	F	1	66	N	6986			
10-Oct-10	F	1	68	Y	6987			
10-Oct-10	J	1	32	N				
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	34	N				
10-Oct-10	M	2	69	Y	6988			
10-Oct-10	J	1	30	N				
10-Oct-10	F	1	56	N	6989			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Oct-10	F	2	66	N	6990			
10-Oct-10	J	1	28	N				
10-Oct-10	J	1	26	N				
10-Oct-10	M	2	53	N	6991			
10-Oct-10	M	2	66	N	6992			
10-Oct-10	F	1	55	N	6993			
10-Oct-10	M	1	70	N	6994			
10-Oct-10	J	1	30	N				
10-Oct-10	J	1	30	N				
10-Oct-10	M	1	70	N	6995			
10-Oct-10	M	1	72	N	6996			
10-Oct-10	M	2	70	N	6997			
11-Oct-10	M	1	66	N	6998	92611	1	
11-Oct-10	J	1	42	N				
11-Oct-10	M	2	83	N	6999	92611	2	
11-Oct-10	M	2	78	N	7000	92611	3	
11-Oct-10	M	1	78	N	7001	92611	4	
11-Oct-10	M	2	71	Y	7002	92611	5	
11-Oct-10	M	1	60	N	7003	92611	6	
11-Oct-10	M	1	61	N	7004	92611	7	
11-Oct-10	J	1	36	N				
11-Oct-10	M	1	73	N	7006	92611	8	7005 WASTED
11-Oct-10	F	2	76	N	7007	92611	9	
11-Oct-10	J	1	30	N				
11-Oct-10	M	2	67	N	7008	92611	10	
11-Oct-10	M	1	69	N	7009	92612	1	
11-Oct-10	M	2	70	N	7010	92612	2	
11-Oct-10	J	1	28	Y				
11-Oct-10	F	2	66	N	7011	92612	3	
11-Oct-10	M	2	77	N	7012	92612	4	
11-Oct-10	J	1	26	Y				
11-Oct-10	F	1	48	N	7013	92612	5	
11-Oct-10	M	1	51	N	7014	92612	6	
11-Oct-10	J	1	25	N				
11-Oct-10	F	1	72	N	7015	92612	7	
11-Oct-10	J	1	27	Y				
11-Oct-10	M	1	75	N	7016	92612	8	
11-Oct-10	M	1	70	N	7017	92612	9	
11-Oct-10	M	2	73	N	7018	92612	10	
11-Oct-10	M	2	73	N	7019			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	J	1	30	Y				
11-Oct-10	M	1	74	N	7020			
11-Oct-10	J	1	28	Y				
11-Oct-10	M	1	63	N	7021			
11-Oct-10	M	2	73	N	7023			
11-Oct-10	F	1	24	Y	7024			
11-Oct-10	F	1	71	Y	7025			
11-Oct-10	J	1	30	Y				
11-Oct-10	M	2	74	N	7026			
11-Oct-10	F	1	72	N	7033			7027-7032 WASTED
11-Oct-10	M	2	76	N	7036			7034/7035 WASTED
11-Oct-10	M	2	74	-	7037			
11-Oct-10	M	2	72	N	7038			
11-Oct-10	M	2	75	-				PUNCHED, NO TAG
11-Oct-10	J	1	33	Y				
11-Oct-10	F	1	62	N	7039			
11-Oct-10	F	1	66	N	7040			
11-Oct-10	F	1	63	N	7041			
11-Oct-10	F	1	61	N	7042			
11-Oct-10	M	2	74	N	7043			
11-Oct-10	J	1	32	Y				
11-Oct-10	J	1	30	N				
11-Oct-10	M	1	75	N	7044			
11-Oct-10	M	2	74	N	7045			
11-Oct-10	M	2	81	N	7046			
11-Oct-10	M	1	63	N	7047			
11-Oct-10	M	2	80	N	7048			
11-Oct-10	F	1	25	N	7050			7049 WASTED
11-Oct-10	F	1	66	N	7051			
11-Oct-10	F	1	70	N	7052			
11-Oct-10	J	1	26	Y				
11-Oct-10	J	1	36	Y				
11-Oct-10	F	1	51	N	7053			
11-Oct-10	M	1	72	N	7054			
11-Oct-10	F	1	72	N	7055			
11-Oct-10	M	1	76	N	7056			
11-Oct-10	M	1	67	N	7057			
11-Oct-10	J	Y	27	N				
11-Oct-10	F	1	71	N	7058			
11-Oct-10	J	1	27	Y				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	F	1	76	N	7059			
11-Oct-10	M	1	69	N	7060			
11-Oct-10	J	Y	30	Y				
11-Oct-10	M	1	71	N	7061			
11-Oct-10	J	1	30	N				
11-Oct-10	F	1	75	N	7062			
11-Oct-10	M	1	58	Y	7063			
11-Oct-10	F	1	67	N	7064			
11-Oct-10	F	1	54	Y	7065			
11-Oct-10	M	2	58	N	7066			
11-Oct-10	M	1	77	N	7067			
11-Oct-10	F	1	49	N	7068			
11-Oct-10	F	1	49	N	7069			
11-Oct-10	J	1	29	N				
11-Oct-10	F	1	61	N	7070			
11-Oct-10	J	1	25	Y				
11-Oct-10	J	1	26	N				
11-Oct-10	M	2	75	N	7071			
11-Oct-10	F	1	71	N	7072			
11-Oct-10	F	1	71	N	7073			
11-Oct-10	F	1	72	N	7074			
11-Oct-10	F	1	69	N	7075			
11-Oct-10	F	1	74	N	7076			
11-Oct-10	F	2	75	N	7077			
11-Oct-10	F	1	69	Y	7078			
11-Oct-10	J	1	31	Y				
11-Oct-10	M	1	75	N	7080			7079 WASTED
11-Oct-10	M	1	68	N	7081			
11-Oct-10	J	1	27	N				
11-Oct-10	J	1	25	N				
11-Oct-10	J	1	24	N				
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	29	N				
11-Oct-10	F	1	51	N	7082			
11-Oct-10	F	1	74	Y	7083			
11-Oct-10	M	1	73	N	7084			
11-Oct-10	M	1	78	N	7085			
11-Oct-10	F	1	73	N	7086			
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	30	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	F	1	51	N	7087			
11-Oct-10	J	1	32	Y				
11-Oct-10	F	1	75	N	7088			
11-Oct-10	J	1	27	N				
11-Oct-10	J	1	28	N				
11-Oct-10	J	1	28	N				
11-Oct-10	F	1	74	N	7089			
11-Oct-10	M	1	69	Y	7090			
11-Oct-10	M	1	78	Y	7091			
11-Oct-10	J	1	29	N				
11-Oct-10	F	1	54	Y	7092			
11-Oct-10	F	1	69		7093			NO CWT CHECK
11-Oct-10	F	1	58	N	7094			
11-Oct-10	J	1	25	N				
11-Oct-10	J	1	29	N				
11-Oct-10	F	1	72	N	7095			
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	26	N				
11-Oct-10	M	1	70	N	7096			
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	30	Y				
11-Oct-10	F	2	79	N	7097			
11-Oct-10	J	1	27	N				
11-Oct-10	M	2	71	N	7098			
11-Oct-10	J	1	28	N				
11-Oct-10	M	1	80	-	7099			NO CWT CHECK
11-Oct-10	J	1	27	N				
11-Oct-10	F	1	54	N	7100			
11-Oct-10	J	1	27	N				
11-Oct-10	F	1	72	N	7101			
11-Oct-10	F	1	69	N	7102			
11-Oct-10	J	1	24	N				
11-Oct-10	F	1	72	N	7103			
11-Oct-10	F	1	54	N	7104			
11-Oct-10	F	1	77	N	7105			
11-Oct-10	J	1	25	N				
11-Oct-10	F	1	79	N	7106			
11-Oct-10	J	1	27	N				
11-Oct-10	J	1	26	Y				
11-Oct-10	M	2	82	N	7107			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	F	1	54	N	7108			
11-Oct-10	M	2	71	N	7109			
11-Oct-10	F	1	71	N	7110/7111			DOUBLE TAGGED
11-Oct-10	F	1	74	N	7112			
11-Oct-10	J	1	33	N				
11-Oct-10	F	1	70	N	7113			
11-Oct-10	F	1	64	N	7114			
11-Oct-10	F	1	59	N	7115			
11-Oct-10	M	2	68	N	7116			
11-Oct-10	F	1	66	N	7117			
11-Oct-10	F	1	53	N	7118			
11-Oct-10	F	1	74	N	7119			
11-Oct-10	M	2	79	N	7120			
11-Oct-10	M	2	78	N	7121			
11-Oct-10	J	1	26	N				
11-Oct-10	J	1	35	N				
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	21	N				
11-Oct-10	F	1	68	N	7122			
11-Oct-10	J	1	28	N				
11-Oct-10	J	1	24	N				
11-Oct-10	M	1	68	N	7123			
11-Oct-10	M	2	70	N	7124			
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	29	N				
11-Oct-10	F	1	57	N	7125			
11-Oct-10	J	1	27	N				
11-Oct-10	J	1	28	N				
11-Oct-10	M	2	83	N	7126			
11-Oct-10	J	1	28	N				
11-Oct-10	F	1	63	N	7127			
11-Oct-10	F	1	70	N	7128			
11-Oct-10	F	1	73	N	7129			
11-Oct-10	F	1	71	N	7130			
11-Oct-10	F	1	51	N	7131			
11-Oct-10	J	1	21	N				
11-Oct-10	M	2	74	N	7132			
11-Oct-10	F	1	68	N	7133			
11-Oct-10	F	1	68	N	7134			
11-Oct-10	F	1	74	N	7135			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	J	1	27	N				
11-Oct-10	F	1	59	Y	7136			
11-Oct-10	M	1	56	N	7137			
11-Oct-10	F	1	76	N	7138			
11-Oct-10	F	1	78	N	7139			
11-Oct-10	M	1	55	N	7140			
11-Oct-10	J	1	30	Y				
11-Oct-10	M	1	74	N	7141			
11-Oct-10	F	1	71	N	7142			
11-Oct-10	J	1	28	N				
11-Oct-10	F	1	68	N	7143			
11-Oct-10	J	1	30	N				
11-Oct-10	F	1	52	N	7144			
11-Oct-10	F	2	75	N	7145			
11-Oct-10	M	2	72	N	7146			
11-Oct-10	F	1	71	-	7147			
11-Oct-10	J	1	36	N				
11-Oct-10	J	1	33	N				
11-Oct-10	F	1	74	N	7148			
11-Oct-10	F	1	65	N	7149			
11-Oct-10	J	1	29	N				
11-Oct-10	F	1	59	N	7150			
11-Oct-10	F	1	71	N	7151			
11-Oct-10	M	1	80	N	7152			
11-Oct-10	-	-	-	-	7153			UNKNOWN
11-Oct-10	J	1	30	Y				
11-Oct-10	J	1	29	N				
11-Oct-10	M	1	49	N	7154			
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	36	N				
11-Oct-10	J	1	31	Y				
11-Oct-10	M	2	59	N	7155			
11-Oct-10	F	1	70	N	7156			
11-Oct-10	F	1	50	N	7157			
11-Oct-10	M	1	59	N	7158			
11-Oct-10	M	2	76	N	7159			
11-Oct-10	F	1	73	N	7160			
11-Oct-10	J	1	27	N				
11-Oct-10	J	1	28	N				
11-Oct-10	F	1	67	N	7161			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	J	1	30	N				
11-Oct-10	F	1	79	N	7162			
11-Oct-10	J	1	28	N				
11-Oct-10	M	2	82	N	7163			
11-Oct-10	F	1	71	N	7164			
11-Oct-10	F	1	77	N	7165			
11-Oct-10	J	1	29	N				
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	32	Y				
11-Oct-10	F	1	70	N	7166			
11-Oct-10	M	1	56	N	7167			
11-Oct-10	F	1	76	N	7168			
11-Oct-10	F	1	70	Y	7169			
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	32	N				
11-Oct-10	F	1	75	N	7170			
11-Oct-10	F	1	58	N	7171			
11-Oct-10	F	1	76	N	7172			
11-Oct-10	M	1	75	N	7173			
11-Oct-10	F	1	70	N	7174			
11-Oct-10	F	1	64	Y	7175			
11-Oct-10	F	1	55	N	7176			
11-Oct-10	F	1	58	N	7177			
11-Oct-10	M	1	81	N	7178			
11-Oct-10	F	1	50	N	7179			
11-Oct-10	F	1	76	N	7180			
11-Oct-10	F	1	53	Y	7181			
11-Oct-10	F	1	72	-	7182			
11-Oct-10	F	1	71	N	7184			7183 WASTED
11-Oct-10	M	1	78	N	7185			
11-Oct-10	J	1	34	N				
11-Oct-10	F	1	67	N	7186			
11-Oct-10	M	1	66	N	7187			
11-Oct-10	F	1	68	Y	7188			
11-Oct-10	F	1	82	N	7189			
11-Oct-10	M	2	70	N	7190			
11-Oct-10	M	2	84	N	7191			
11-Oct-10	F	2	55	N	7192			
11-Oct-10	J	1	30	N				
11-Oct-10	M	1	69	N	7194			7193 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	F	1	65	N	7195			
11-Oct-10	F	1	70	N	7196			
11-Oct-10	F	1	71	N	7197			
11-Oct-10	M	1	85	N	7198			
11-Oct-10	F	1	70	N	7199			
11-Oct-10	F	1	71	N	7200			
11-Oct-10	F	1	71	N	7201			
11-Oct-10	F	1	61	N	7202			
11-Oct-10	J	1	30	N				
11-Oct-10	F	1	74	N	7203			
11-Oct-10	J	1	40	N				
11-Oct-10	J	1	37	N				
11-Oct-10	J	1	35	Y				
11-Oct-10	J	1	37	Y				
11-Oct-10	M	1	77	N	7204			
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	32	N				
11-Oct-10	F	1	60	Y	7205			
11-Oct-10	M	1	58	N	7208			7206/7207 WASTED
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	32	Y				
11-Oct-10	J	1	30	N				
11-Oct-10	F	1	79	N	7209			
11-Oct-10	M	1	61	N	7210			
11-Oct-10	M	2	82	N	7211			
11-Oct-10	J	1	33	N				
11-Oct-10	F	1	73	N	7213			7212 WASTED
11-Oct-10	J	1	31	N				
11-Oct-10	F	1	62	N	7214			
11-Oct-10	F	2	74	N	7215			
11-Oct-10	M	2	69	N	7216			
11-Oct-10	F	1	74	-	7217			
11-Oct-10	-	-	-	-	7218			UNKNOWN
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	29	N				
11-Oct-10	J	1	31	Y				
11-Oct-10	F	1	74	N	7219			
11-Oct-10	F	1	62	N	7220			
11-Oct-10	F	1	69	-	7221			7222 WASTED, NO CWT CHECK

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	F	1	67	-	7223			NO CWT CHECK
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	27	Y				
11-Oct-10	F	2	74	N	7224			
11-Oct-10	J	1	42	N				
11-Oct-10	M	2	70	N	7225			
11-Oct-10	F	1	69	N	7226			
11-Oct-10	F	1	78	Y	7227			
11-Oct-10	F	1	69	N	7228			
11-Oct-10	F	1	75	N	7229			
11-Oct-10	F	2	73	N	7230			
11-Oct-10	F	1	61	N	7231			
11-Oct-10	M	2	73	N	7232			
11-Oct-10	F	1	67	N	7233			
11-Oct-10	F	1	73	N	7234			
11-Oct-10	F	1	63	-	7235			NO CWT CHECK
11-Oct-10	F	1	65	Y	7236			
11-Oct-10	M	1	46	-	7237			NO CWT CHECK
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	33	Y				
11-Oct-10	F	1	75	Y	7238			
11-Oct-10	F	1	73	N	7240			7239 WASTED
11-Oct-10	M	2	79	N	7241			
11-Oct-10	J	1	27	N				
11-Oct-10	F	1	74	Y	7242			
11-Oct-10	F	2	74	N	7243			
11-Oct-10	M	2	73	N	7244			
11-Oct-10	J	1	40	N				
11-Oct-10	F	1	73	N	7245			
11-Oct-10	F	1	76	N	7246			
11-Oct-10	M	2	82	N	7247			
11-Oct-10	M	1	73	-	7248			
11-Oct-10	F	1	74	Y	7249			
11-Oct-10	M	2	75	N	7250			
11-Oct-10	F	1	61	N	7251			
11-Oct-10	F	1	72	N	7252			
11-Oct-10	M	2	77	N	7253			
11-Oct-10	M	1	45	N	7254			
11-Oct-10	M	1	80	N	7255			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	M	1	64	N	7256			
11-Oct-10	F	1	65	N	7257			
11-Oct-10	F	1	68	N	7258			
11-Oct-10	M	2	68	Y	7259			
11-Oct-10	F	1	72	N	7260			
11-Oct-10	F	1	77	N	7261			
11-Oct-10	F	1	69	N	7262			
11-Oct-10	J	1	26	N				
11-Oct-10	F	1	65	-	7263			
11-Oct-10	J	1	30	Y				
11-Oct-10	F	1	66	Y	7264			
11-Oct-10	M	1	55	N	7265			
11-Oct-10	M	1	75	N	7266			
11-Oct-10	F	1	77	N	7270			7267-7269 WASTED
11-Oct-10	F	1	71	N	7271			
11-Oct-10	F	1	45	N	7272			
11-Oct-10	M	1	70	Y	7273			
11-Oct-10	J	1	30	N				
11-Oct-10	M	2	77	N	7274			
11-Oct-10	M	1	72	N	7275			
11-Oct-10	M	2	75	N	7276			
11-Oct-10	F	1	51	N	7277			
11-Oct-10	M	2	66	N	7278			
11-Oct-10	F	2	71	Y	7279			
11-Oct-10	M	2	74	N	7280			
11-Oct-10	F	1	65	N	7281			
11-Oct-10	J	1	39	Y				
11-Oct-10	J	1	38	N				
11-Oct-10	M	1	55	Y	7282			
11-Oct-10	F	2	79	N	7283			
11-Oct-10	F	2	76	N	7284			
11-Oct-10	F	2	59	N	7285			
11-Oct-10	F	1	53	Y	7286			
11-Oct-10	M	1	70	N	7287			
11-Oct-10	M	1	72	-	7289			7288 WASTED, NO CWT CHECK
11-Oct-10	F	1	74	N	7290			
11-Oct-10	F	1	76	N	7291			
11-Oct-10	F	1	68	N	7292			
11-Oct-10	M	1	71	N	7293			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	F	1	62	N	7294			
11-Oct-10	F	1	71	N	7295			
11-Oct-10	F	1	59	N	7296			
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	29	N				
11-Oct-10	F	1	64	N	7297			
11-Oct-10	M	1	68	N	7298			
11-Oct-10	M	1	48	-	7299			NO CWT CHECK
11-Oct-10	F	1	75	-	7300			NO CWT CHECK
11-Oct-10	F	1	68	Y	7301	92613	1	
11-Oct-10	F	1	57	N	7302	92613	2	
11-Oct-10	M	1	61	N	7303	92613	3	
11-Oct-10	F	1	74	N	7304	92613	4	
11-Oct-10	M	2	66	Y	7305	92613	5	
11-Oct-10	M	2	78	N	7306	92613	6	
11-Oct-10	F	1	73	N	7307	92613	7	
11-Oct-10	J	1	26	N				
11-Oct-10	J	1	30	N				
11-Oct-10	F	1	63	Y	7308	92613	8	
11-Oct-10	M	2	71	-	7309	92613	9	
11-Oct-10	J	1	27	N				
11-Oct-10	J	1	30	N				
11-Oct-10	M	1	59	N	7310	92613	10	
11-Oct-10	M	1	70	N	7311	92614	1	
11-Oct-10	M	2	69	N	7312	92614	2	
11-Oct-10	F	1	73	N	7313	92614	3	
11-Oct-10	F	1	78	N	7314	92614	4	
11-Oct-10	F	1	64	N	7315	92614	5	
11-Oct-10	F	2	75	N	7316	92614	6	
11-Oct-10	M	2	51	Y	7317	92614	7	
11-Oct-10	F	1	68	N	7318	92614	8	
11-Oct-10	M	2	72	N	7319	92614	9	
11-Oct-10	M	1	59	N	7320	92614	10	
11-Oct-10	F	1	68	N	7321	-	-	
11-Oct-10	F	1	69	N	7322	92615	1	
11-Oct-10	M	2	65	N	7323	92615	2	
11-Oct-10	M	2	73	N	7324	92615	3	
11-Oct-10	M	2	62	N	7326	92615	4	7325 WASTED
11-Oct-10	F	1	68	Y	7327	92615	5	

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	F	1	76	Y	7328	92615	6	
11-Oct-10	F	1	57	N	7329	-	-	
11-Oct-10	F	1	61	N	7330	92615	7	
11-Oct-10	F	1	73	N	7331	92615	8	
11-Oct-10	F	1	74	Y	7332	92615	9	
11-Oct-10	F	1	64	Y	7333	92615	10	
11-Oct-10	M	1	71	N	7334			
11-Oct-10	F	1	71	N	7335			
11-Oct-10	F	1	76	N	7336			
11-Oct-10	F	1	76	N	7337			
11-Oct-10	M	2	77	N	7338			
11-Oct-10	F	1	79	Y	7339			
11-Oct-10	F	1	62	N	7340			
11-Oct-10	F	1	74	-	7341			NO CWT CHECK
11-Oct-10	F	1	73	N	7342			
11-Oct-10	M	2	77	N	7344			7343 WASTED
11-Oct-10	M	2	78	N	7345			
11-Oct-10	F	1	78	Y	7346			
11-Oct-10	F	1	66	N	7347			
11-Oct-10	M	2	68	N	7349			7348 WASTED
11-Oct-10	M	1	80	N	7350			
11-Oct-10	F	1	79	N	7351			
11-Oct-10	F	1	66	N	7352			
11-Oct-10	M	1	73	N	7353			
11-Oct-10	M	1	64	N	7354			
11-Oct-10	M	2	70	N	7356			7355 WASTED
11-Oct-10	F	2	76	N	7357			
11-Oct-10	F	1	73	N	7358			
11-Oct-10	M	1	75	N	7359			
11-Oct-10	M	2	72	N	7360			
11-Oct-10	F	2	75	N	7361			
11-Oct-10	M	2	73	N	7362			
11-Oct-10	F	2	69	-	7363			NO CWT CHECK
11-Oct-10	F	1	58	-	7364			NO CWT CHECK
11-Oct-10	J	1	26	N				
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	27	Y				
11-Oct-10	J	1	25	N				
11-Oct-10	J	1	26	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	J	1	26	Y				
11-Oct-10	J	1	33	Y				
11-Oct-10	J	1	33	N				
11-Oct-10	J	1	34	N				
11-Oct-10	J	1	24	N				
11-Oct-10	J	1	22	N				
11-Oct-10	J	1	21	N				
11-Oct-10	J	1	28	N				
11-Oct-10	J	1	27	Y				
11-Oct-10	J	1	36	N				
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	29	N				
11-Oct-10	J	1	24	N				
11-Oct-10	J	1	33	N				
11-Oct-10	F	1	54	N	7365			
11-Oct-10	M	1	82	N	7366			
11-Oct-10	F	1	70	N	7367			
11-Oct-10	F	2	79	Y	7368			
11-Oct-10	F	2	71	N	7369			
11-Oct-10	F	1	70	N	7370			
11-Oct-10	J	1	29	N				
11-Oct-10	J	1	26	N				
11-Oct-10	F	1	61	N	7371			
11-Oct-10	F	1	65	N	7372			
11-Oct-10	M	1	62	N	7373			
11-Oct-10	M	2	74	N	7374			
11-Oct-10	M	2	74	N	7375			
11-Oct-10	F	2	74	N	7376			
11-Oct-10	J	1	40	N				
11-Oct-10	J	1	30	N				
11-Oct-10	F	2	74	N	7377			
11-Oct-10	F	1	77	N	7378			
11-Oct-10	F	1	75	N	7379			
11-Oct-10	M	1	77	-	7380			NO CWT CHECK
11-Oct-10	M	1	75	-	7381			NO CWT CHECK
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	33	N				
11-Oct-10	F	2	74	N	7382			
11-Oct-10	F	2	74	N	7383			
11-Oct-10	M	2	76	N	7384			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	F	2	78	N	7385			
11-Oct-10	F	1	66	N	7386			
11-Oct-10	F	1	73	Y	7387			
11-Oct-10	F	1	66	N	7388			
11-Oct-10	M	2	76	N	7390			7389 WASTED
11-Oct-10	M	1	77	N	7391			
11-Oct-10	M	2	76	N	7392			
11-Oct-10	M	2	76	N	7393			
11-Oct-10	J	1	31	N				
11-Oct-10	M	1	61	N	7394			
11-Oct-10	F	2	70	N	7395			
11-Oct-10	F	1	75	N	7396			
11-Oct-10	F	1	73	N	7397			
11-Oct-10	M	2	81	N	7398			
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	26	N				
11-Oct-10	J	1	27	N				
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	25	N				
11-Oct-10	J	1	24	N				
11-Oct-10	J	1	27	N				
11-Oct-10	J	1	30	N				
11-Oct-10	J	1	29	N				
11-Oct-10	J	1	30	Y				
11-Oct-10	J	1	31	N				
11-Oct-10	J	1	27	N				
11-Oct-10	J	1	28	Y				
11-Oct-10	F	1	61	Y	7399			
11-Oct-10	M	2	76	N	7400			
11-Oct-10	F	1	72	N	7401			
11-Oct-10	F	1	71	N	7402			
11-Oct-10	M	1	79	N	7403			
11-Oct-10	F	1	70	N	7404			
11-Oct-10	M	1	80	N	7405			
11-Oct-10	M	2	73	N	7406			
11-Oct-10	F	1	72	N	7407			
11-Oct-10	F	2	70	N	7408			
11-Oct-10	F	1	77	N	7409			
11-Oct-10	F	2	77	N	7410			
11-Oct-10	M	1	74	N	7411			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
11-Oct-10	F	1	59	N	7412			
11-Oct-10	F	1	70	N	7413			
11-Oct-10	F	1	71	N	7414			
11-Oct-10	M	2	75	N	7415			
11-Oct-10	M	2	77	N	7416			
11-Oct-10	F	1	72	N	7417			
11-Oct-10	F	1	72	N	7418			
12-Oct-10	F	1	60	Y	7419	92616	1	
12-Oct-10	J	1	34	N	7420	92616	2	
12-Oct-10	M	1	74	N				
12-Oct-10	J	1	33	N				
12-Oct-10	J	1	31	N				
12-Oct-10	J	1	38	Y				
12-Oct-10	M	1	45	N	7421	92616	3	
12-Oct-10	J	1	30	N				
12-Oct-10	M	1	66	-	7423	92616	4	7422 WASTED
12-Oct-10	M	1	79	N	7424	92616	5	
12-Oct-10	M	1	76	N	7428	92616	6	7425-7427 WASTED
12-Oct-10	M	1	78	N	7429	92616	7	
12-Oct-10	F	1	72	N	7430	92616	8	
12-Oct-10	M	1	63	N	7431	92616	9	
12-Oct-10	M	1	72	N	7432	92616	10	
12-Oct-10	M	1	61	N	7433			
12-Oct-10	M	1	67	N	7434			
12-Oct-10	M	1	74	N	7435			
12-Oct-10	F	1	63	Y	7436			
12-Oct-10	M	1	80	N	7437			
12-Oct-10	F	1	69	N	7439			7438 WASTED
12-Oct-10	F	1	73	N	7440			
12-Oct-10	F	1	69	N	7441			
12-Oct-10	M	1	83	N	7442			
12-Oct-10	M	1	77	N	7443			
12-Oct-10	F	1	73	N	7444			
12-Oct-10	M	1	74	N	7445			
12-Oct-10	F	1	73	N	7446			
12-Oct-10	J	1	35	N				
12-Oct-10	F	1	66	N	7447			
12-Oct-10	F	1	74	N	7448			
12-Oct-10	M	1	77	N	7451			7449/7450 WASTED
12-Oct-10	F	1	70	N	7452			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
12-Oct-10	M	1	76	N	7453			
12-Oct-10	F	1	71	N	7455			7454 WASTED
12-Oct-10	-	1	72	N	7457			7456 WASTED, UNKNOWN SEX
12-Oct-10	F	1	72	N	7458			
12-Oct-10	F	1	73	N	7501			
12-Oct-10	J	1	30	N				
12-Oct-10	M	1	73	N	7502			
12-Oct-10	J	1	40	N				
12-Oct-10	J	1	30	N				
12-Oct-10	F	1	68	N	7503			
12-Oct-10	M	1	81	N	7504			
12-Oct-10	F	1	71	N	7505			
12-Oct-10	F	1	59	N	7506			
12-Oct-10	M	1	74	N	7507			
12-Oct-10	F	1	70	Y	7508			
12-Oct-10	M	1	78	N	7509			
12-Oct-10	M	2	70	N	7510			
12-Oct-10	F	1	77	N	7511			
12-Oct-10	F	1	71	N	7512			
12-Oct-10	F	1	73	N	7513			
12-Oct-10	M	2	70	N	7514			
12-Oct-10	M	1	73	N	7515			
12-Oct-10	F	1	73	N	7516			
12-Oct-10	F	1	77	N	7517			
12-Oct-10	M	1	64	N	7518			
12-Oct-10	M	1	72	N	7519			
12-Oct-10	J	1	27	N				
12-Oct-10	M	1	48	N	7521			
12-Oct-10	F	-	67	N	7522			
12-Oct-10	J	1	30	N				
12-Oct-10	F	1	71	N	7523			
12-Oct-10	M	1	68	N	7524			
12-Oct-10	F	1	70	N	7525			
12-Oct-10	J	1	32	N				
12-Oct-10	F	1	68	N	7526			
12-Oct-10	F	1	72	N	7527			
12-Oct-10	M	1	85	N	7528			
12-Oct-10	J	1	28	N				
12-Oct-10	J	1	29	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
12-Oct-10	M	1	63	N	7529			
12-Oct-10	M	1	75	N	7530			
12-Oct-10	J	1	29	N				
12-Oct-10	F	1	70	N	7531			
12-Oct-10	F	1	72	N	7532			
12-Oct-10	F	1	47	N	7533			
12-Oct-10	J	1	26	N				
12-Oct-10	F	-	-	-	7534			
12-Oct-10	F	1	69	N	7535			
12-Oct-10	F	1	70	N	7536			
12-Oct-10	M	1	72	N	7537			
12-Oct-10	M	1	76	N	7538			
12-Oct-10	J	1	33	N				
12-Oct-10	F	1	61	N	7539			
12-Oct-10	F	1	62	N	7540			
12-Oct-10	J	1	32	N				
12-Oct-10	F	1	67	N	7542	92617	1	
12-Oct-10	M	1	79	N	7543	92617	2	
12-Oct-10	M	1	83	N	7545	92617	3	
12-Oct-10	J	1	32	N				
12-Oct-10	F	1	60	N	7547	92617	4	
12-Oct-10	J	1	29	N				
12-Oct-10	J	1	30	N				
12-Oct-10	M	1	68	N	7551	92617	5	
12-Oct-10	J	1	32	N				
12-Oct-10	F	1	66	N	7552	92617	6	
12-Oct-10	F	1	75	N	7553	92617	7	
12-Oct-10	J	1	29	N				
12-Oct-10	J	1	33	N				
12-Oct-10	J	1	29	N				
12-Oct-10	J	1	27	N				
12-Oct-10	M	1	79	N	7554	92617	8	
12-Oct-10	F	1	70	Y	7555	92617	9	
12-Oct-10	F	1	64	N	7556	92617	10	
12-Oct-10	F	1	73	N	7557			
12-Oct-10	F	1	72	Y	7558			
12-Oct-10	J	1	32	N				
12-Oct-10	J	1	29	N				
12-Oct-10	J	1	25	N				
12-Oct-10	F	1	64	N	7559			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
12-Oct-10	J	1	31	N				
12-Oct-10	F	1	72	N	7560			
12-Oct-10	M	1	75	N	7561			
12-Oct-10	J	1	32	N				
12-Oct-10	J	1	29	N				
12-Oct-10	J	1	32	N				
12-Oct-10	F	1	67	N	7562			
12-Oct-10	M	1	79	N	7563			
12-Oct-10	J	1	29	N				
12-Oct-10	J	1	29	N				
12-Oct-10	F	1	67	N	7565			7564 WASTED
12-Oct-10	J	1	27	N				
12-Oct-10	M	1	74	N	7566			
12-Oct-10	F	1	70	N	7567			
12-Oct-10	F	1	68	Y	7569			7568 WASTED
12-Oct-10	J	1	31	N				
12-Oct-10	J	1	33	N				
12-Oct-10	F	1	67	N	7570			
12-Oct-10	J	1	30	N				
12-Oct-10	M	1	73	N	7571			
12-Oct-10	J	1	32	N				
12-Oct-10	J	1	30	N				
12-Oct-10	J	1	31	N				
12-Oct-10	F	1	55	N	7572			
12-Oct-10	J	1	31	N				
12-Oct-10	F	1	68	N	7573			
12-Oct-10	F	1	66	N	7574			
12-Oct-10	M	1	73	N	7575			
12-Oct-10	M	1	75	N	7576			
12-Oct-10	F	1	75	N	7577			
12-Oct-10	M	1	78	N	7578			
12-Oct-10	F	1	71	N	7579			
12-Oct-10	M	1	73	N	7580			
12-Oct-10	J	1	27	N				
12-Oct-10	F	1	72	N	7581			
12-Oct-10	M	1	76	N	7582			
12-Oct-10	J	1	27	N				
12-Oct-10	M	1	53	N	7583			
12-Oct-10	F	1	52	N	7584			
12-Oct-10	M	1	59	N	7585			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
12-Oct-10	F	1	72	N	7586			
12-Oct-10	F	1	77	Y	7587			
12-Oct-10	J	1	27	N				
12-Oct-10	J	1	38	Y				
12-Oct-10	J	1	34	N				
12-Oct-10	M	1	48	-	7588			NO CWT CHECK
13-Oct-10	M	1	77	N	7589			
13-Oct-10	F	1	73	N				
13-Oct-10	J	1	35	N				
13-Oct-10	F	1	71	N	7590			
13-Oct-10	M	1	73	N	7591			
13-Oct-10	J	1	30	N				
13-Oct-10	J	1	28	N				
13-Oct-10	M	1	79	N	7592			
13-Oct-10	M	1	84	N	7593			
13-Oct-10	J	1	31	N				
13-Oct-10	M	1	77	N	7594			
13-Oct-10	M	1	70	N	7595			
13-Oct-10	J	1	69	-	7596			
13-Oct-10	J	1	28	N				
13-Oct-10	J	1	29	N				
13-Oct-10	M	1	76	N	7598			7597 WASTED
13-Oct-10	F	1	73	Y	7599			
13-Oct-10	F	1	70	N	7600			
13-Oct-10	M	1	77	N	7601			
13-Oct-10	J	1	31	N				
13-Oct-10	M	1	80	N	7602			
13-Oct-10	F	1	74	N	7603	92618	1	
13-Oct-10	J	1	30	N				
13-Oct-10	J	1	31	N				
13-Oct-10	M	1	77	N	7604	92618	2	
13-Oct-10	J	1	29	N				
13-Oct-10	J	1	31	N				
13-Oct-10	M	1	79	N	7605	92618	3	
13-Oct-10	F	1	74	N	7607	92618	4	7606 WASTED
13-Oct-10	J	1	36	N				
13-Oct-10	J	1	30	N				
13-Oct-10	J	1	39	N				
13-Oct-10	F	1	70	N	7608	92618	5	
13-Oct-10	M	1	82	N	7609	92618	6	

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
13-Oct-10	F	1	54	N	7610	92618	7	
13-Oct-10	J	1	34	N				
13-Oct-10	F	1	58	N	7611	92618	8	
13-Oct-10	M	2	79	N	7612	92618	9	SEAL BITE
13-Oct-10	M	1	79	N	7613	96218	10	
13-Oct-10	F	1	75	N	7614			
13-Oct-10	M	1	76	N	7615			
13-Oct-10	F	1	72	N	7616			
13-Oct-10	M	1	79	N	7617			
13-Oct-10	M	1	65	N	7618			
13-Oct-10	F	1	67	N	7619			
13-Oct-10	F	1	58	N	7620			
13-Oct-10	F	1	64	N	7621			
13-Oct-10	F	1	75	N	7622			
13-Oct-10	M	1	79	N	7623			
13-Oct-10	J	1	37	N				
13-Oct-10	F	1	68	-	7624			
13-Oct-10	F	1	71	N	7625			
13-Oct-10	F	1	76	N	7626			
13-Oct-10	F	1	66	N	7627			
13-Oct-10	F	1	74	N	7628			
13-Oct-10	M	1	76	N	7629			
13-Oct-10	M	1	49	N	7630			
13-Oct-10	F	1	67	N	7631			
13-Oct-10	M	1	75	N	7632			
13-Oct-10	J	1	29	N				
13-Oct-10	F	1	63	N	7633			
13-Oct-10	F	1	68	N	7634			
13-Oct-10	M	1	80	N	7635			
13-Oct-10	J	1	31	Y				
13-Oct-10	F	1	68	N	7637			7636 WASTED
13-Oct-10	M	1	48	N	7638			
13-Oct-10	J	1	39	N				
13-Oct-10	J	1	26	N				
13-Oct-10	J	1	37	N				
13-Oct-10	M	1	65	N	7639			
13-Oct-10	F	1	66	N	7640			
13-Oct-10	F	1	60	Y	7641			
13-Oct-10	J	1	-	N				NO SIZE
13-Oct-10	M	1	75	N	7642			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
13-Oct-10	F	1	73	N	7643			
13-Oct-10	M	1	80	Y	7644			
13-Oct-10	J	1	33	N				
13-Oct-10	F	1	75	Y	7645			
14-Oct-10	M	1	70	N	4429			
14-Oct-10	M	1	65	N	4430			
14-Oct-10	M	1	68	N	4431			
14-Oct-10	F	2	70	Y	4432			
14-Oct-10	M	2	72	N	4433			
14-Oct-10	F	1	71	N	4434			
14-Oct-10	F	1	70	N	4435			
14-Oct-10	F	1	69	Y	4436			
14-Oct-10	M	2	74	N	4437			
14-Oct-10	M	2	75	N	4438			
14-Oct-10	M	2	71	Y	4439			
14-Oct-10	F	1	64	N	4440			
14-Oct-10	F	1	69	N	4441			
14-Oct-10	F	1	68	N	4442			
14-Oct-10	M	2	69	Y	4443			
14-Oct-10	F	1	67	N	4444			
14-Oct-10	F	1	68	N	4445			
14-Oct-10	M	1	76	N	4446			
14-Oct-10	M	2	72	N	4447			
14-Oct-10	M	2	75	N	4448			
14-Oct-10	F	1	62	N	7648			7646/7647 WASTED
14-Oct-10	F	1	81	N	7651			7649/7650 WASTED
14-Oct-10	J	1	35	N				
14-Oct-10	J	1	35	N				
14-Oct-10	J	1	39	N				
14-Oct-10	J	1	36	N				
14-Oct-10	J	1	26	N				
14-Oct-10	J	1	33	N				
14-Oct-10	J	1	31	N				
14-Oct-10	J	1	28	N				
15-Oct-10	J	1	31	N				
15-Oct-10	J	1	34	N				
15-Oct-10	J	1	29	N				
15-Oct-10	F	1	70	N	7652			
15-Oct-10	J	1	30	N				
15-Oct-10	J	1	32	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
15-Oct-10	J	1	26	N				
16-Oct-10	-	-	-	-	7653			UNKNOWN
16-Oct-10	J	1	32	N				
16-Oct-10	J	1	33	N				
16-Oct-10	J	1	37	N				
23-Oct-10	J	2	33	N				
24-Oct-10	J	2	33	N				
24-Oct-10	M	2	70	N	7654			
24-Oct-10	J	1	26	Y				
24-Oct-10	J	1	32	N				
24-Oct-10	J	1	30	N				
24-Oct-10	J	1	31	N				
24-Oct-10	F	2	57	N	7655			
24-Oct-10	M	2	81	Y	7656			
24-Oct-10	F	2	73	N	7657			
24-Oct-10	J	2	28	N				
24-Oct-10	F	2	77	N	7658			
24-Oct-10	M	2	73	N	7659			
24-Oct-10	-	2	68	Y	7660			
24-Oct-10	M	2	79	N	7661			
24-Oct-10	F	2	71	Y	7662			
24-Oct-10	F	2	69	N	7663			
24-Oct-10	F	2	73	N	7664			
24-Oct-10	M	2	75	N	7665			
24-Oct-10	F	2	57	Y	7666			
24-Oct-10	M	2	66	N	7667			
24-Oct-10	F	2	74	Y	7668			
24-Oct-10	F	1	66	N	7669			
24-Oct-10	F	1	75	N	7670			
24-Oct-10	M	2	80	N	7671			
24-Oct-10	M	2	77	N	7672			
24-Oct-10	F	2	73	N	7673			
24-Oct-10	M	2	78	N	7674			
24-Oct-10	F	2	72	N	7675			
24-Oct-10	M	2	81	N	7676			
24-Oct-10	M	2	79	N	7677			
24-Oct-10	F	2	69	N	7678			
24-Oct-10	F	2	82	N	7679			
24-Oct-10	M	2	81	N	7680			
24-Oct-10	F	2	75	N	7681			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	M	2	82	N	7682			
24-Oct-10	M	2	81	N	7683			
24-Oct-10	M	2	83	N	7684			
24-Oct-10	M	2	82	N	7685			
24-Oct-10	M	2	77	N	7686			
24-Oct-10	F	2	61	N	7687			
24-Oct-10	F	2	72	N	7688			
24-Oct-10	M	2	78	N	7689			
24-Oct-10	M	2	73	N	7690			
24-Oct-10	M	2	79	N	7691			
24-Oct-10	M	2	81	N	7692			
24-Oct-10	F	1	71	N	7693			
24-Oct-10	F	1	70	N	7694			
24-Oct-10	F	2	79	N	7695			
24-Oct-10	M	2	80	N	7696			
24-Oct-10	-	2	79	N	7697			
24-Oct-10	F	2	75	N	7698			
24-Oct-10	F	2	71	N	7699			
24-Oct-10	F	1	72	Y	7700			
24-Oct-10	F	1	54	N	7701			
24-Oct-10	M	1	75	N	7702			
24-Oct-10	F	1	74	N	7703			
24-Oct-10	M	2	78	N	7704			
24-Oct-10	M	2	82	N	7705			
24-Oct-10	F	1	77	N	7706			
24-Oct-10	M	1	78	N	7707			
24-Oct-10	M	2	75	Y	7708			
24-Oct-10	M	2	79	N	7709			
24-Oct-10	M	2	81	N	7710			
24-Oct-10	M	1	78	N	7711			
24-Oct-10	F	2	74	N	7712			
24-Oct-10	F	2	73	Y	7713			
24-Oct-10	F	1	60	N	7714			
24-Oct-10	M	2	71	N	7715			
24-Oct-10	F	2	79	N	7716			
24-Oct-10	M	2	82	N	7717			
24-Oct-10	M	2	79	N	7718			
24-Oct-10	F	2	72	N	7719			
24-Oct-10	F	2	77	N	7720			
24-Oct-10	F	2	76	N	7721			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	M	2	77	N	7722			
24-Oct-10	F	2	72	N	7723			
24-Oct-10	F	2	77	N	7724			
24-Oct-10	M	2	80	N	7725			
24-Oct-10	F	2	77	N	7726			
24-Oct-10	M	2	68	N	7727			
24-Oct-10	M	1	77	N	7728			
24-Oct-10	M	2	83	N	7729			
24-Oct-10	M	2	75	N	7730			
24-Oct-10	F	2	62	N	7731			
24-Oct-10	F	2	73	N	7732			
24-Oct-10	M	2	81	N	7733			
24-Oct-10	F	2	74	N	7734			
24-Oct-10	M	2	78	N	7735			
24-Oct-10	M	2	78	N	7736			
24-Oct-10	M	2	79	N	7737			
24-Oct-10	M	2	79	N	7738			
24-Oct-10	F	1	68	N	7739			
24-Oct-10	M	2	77	Y	7740			
24-Oct-10	M	2	77	N	7741			
24-Oct-10	F	2	73	N	7742			
24-Oct-10	M	1	59	N	7743			
24-Oct-10	F	1	66	Y	7744			
24-Oct-10	M	2	75	-	7745			
24-Oct-10	M	2	78	N	7746			
24-Oct-10	M	1	77	Y	7747			
24-Oct-10	F	1	68	Y	7748			
24-Oct-10	F	2	68	N	7749			
24-Oct-10	M	2	66	N	7750			
24-Oct-10	M	1	58	N	7751	92619	1	
24-Oct-10	F	1	72	N	7752	92619	2	
24-Oct-10	F	1	74	N	7753	92619	3	
24-Oct-10	F	2	67	N	7754	92619	4	
24-Oct-10	F	1	62	N	7755	92619	5	
24-Oct-10	M	2	72	N	7756	92619	6	
24-Oct-10	M	2	77	N	7757			
24-Oct-10	M	1	77	N	7758	92619	7	
24-Oct-10	M	1	74	N	7759	92619	8	
24-Oct-10	F	1	58	N	7760	92619	9	
24-Oct-10	F	1	77	N	7761	92619	10	

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	F	1	47	N	7762			
24-Oct-10	F	1	66	N	7763			
24-Oct-10	M	2	70	Y	7764			
24-Oct-10	M	1	77	N	7765			
24-Oct-10	F	1	77	N	7767			7766 WASTED
24-Oct-10	F	2	77	N	7768			
24-Oct-10	F	2	75	N	7769			
24-Oct-10	F	1	65	N	7770			
24-Oct-10	M	2	72	N	7771			
24-Oct-10	F	1	69	N	7772			
24-Oct-10	F	1	72	Y	7773			
24-Oct-10	M	2	79	N	7774			
24-Oct-10	F	1	61	N	7775			
24-Oct-10	F	1	59	N	7776			
24-Oct-10	M	2	77	N	7777			
24-Oct-10	F	1	70	N	7778			
24-Oct-10	M	2	82	N	7779			
24-Oct-10	M	1	70	N	7780			
24-Oct-10	F	1	73	N	7781			
24-Oct-10	M	1	63	N	7782			
24-Oct-10	F	2	70	N	7783			
24-Oct-10	M	2	75	N	7784			
24-Oct-10	F	2	70	N	7785			
24-Oct-10	M	2	71	N	7786			
24-Oct-10	F	1	67	N	7787			
24-Oct-10	F	1	55	N	7788			
24-Oct-10	F	1	74	N	7789			
24-Oct-10	F	1	72	N	7790			
24-Oct-10	F	1	75	N	7791			
24-Oct-10	F	1	71	N	7792			
24-Oct-10	F	1	70	N	7793			
24-Oct-10	M	1	74	N	7794			
24-Oct-10	F	1	73	N	7795			
24-Oct-10	F	1	64	N	7796			
24-Oct-10	M	2	75	N	7797			
24-Oct-10	M	1	52	N	7798			
24-Oct-10	F	1	66	N	7799			
24-Oct-10	M	2	75	N	7800			
24-Oct-10	F	1	57	N	7801			
24-Oct-10	F	1	72	N	7802			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	F	1	70	N	7803			
24-Oct-10	M	1	76	N	7804			
24-Oct-10	M	2	81	N	7805			
24-Oct-10	F	2	77	-	7806			
24-Oct-10	M	2	74	N	7807			
24-Oct-10	M	2	75	N	7808			
24-Oct-10	M	2	74	Y	7809			
24-Oct-10	F	2	80	N	7810			
24-Oct-10	M	1	79	N	7811			
24-Oct-10	M	2	81	N	7812			
24-Oct-10	F	1	76	N	7813			
24-Oct-10	M	1	63	N	7814			
24-Oct-10	F	2	75	N	7815			
24-Oct-10	M	2	78	N	7816			
24-Oct-10	F	1	70	N	7817			
24-Oct-10	M	2	78	N	7818			
24-Oct-10	M	2	77	N	7819			
24-Oct-10	F	1	72	N	7820			
24-Oct-10	M	2	77	N	7821			
24-Oct-10	F	2	76	-	7822			
24-Oct-10	F	1	73	N	7823			
24-Oct-10	M	2	68	N	7824			
24-Oct-10	F	2	79	N	7825			
24-Oct-10	F	2	66	-	7826			
24-Oct-10	M	2	66	N	7827			
24-Oct-10	M	1	78	N	7828			
24-Oct-10	M	1	71	N	7829			
24-Oct-10	F	1	75	N	7830			
24-Oct-10	F	1	69	N	7831			
24-Oct-10	F	2	69	N	7832			
24-Oct-10	F	1	58	N	7833			
24-Oct-10	F	1	74	N	7834			
24-Oct-10	F	1	77	N	7835			
24-Oct-10	F	1	76	N	7836			
24-Oct-10	M	2	77	N	7837			
24-Oct-10	M	1	76	N	7838			
24-Oct-10	M	2	76	Y	7839			
24-Oct-10	M	1	76	N	7840			
24-Oct-10	F	1	51	N	7841			
24-Oct-10	M	1	79	Y	7842			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	M	2	78	N	7843			
24-Oct-10	M	2	77	N	7844			
24-Oct-10	F	1	74	N	7845			
24-Oct-10	F	2	73	N	7846			
24-Oct-10	F	2	80	Y	7847			
24-Oct-10	M	2	81	N	7848			
24-Oct-10	M	1	57	N	7849			
24-Oct-10	F	1	66	N	7850			
24-Oct-10	M	1	67	N	7851			
24-Oct-10	M	2	78	N	7852			
24-Oct-10	M	2	74	N	7853			
24-Oct-10	M	2	85	N	7854			
24-Oct-10	F	1	72	N	7855			
24-Oct-10	F	1	74	N	7856			
24-Oct-10	F	2	77	N	7857			
24-Oct-10	F	1	72	N	7858			
24-Oct-10	F	2	61	N	7859			
24-Oct-10	M	2	78	Y	7860			
24-Oct-10	F	1	67	N	7861			
24-Oct-10	F	1	68	N	7862			
24-Oct-10	F	1	58	N	7863			
24-Oct-10	F	1	74	N	7864			
24-Oct-10	M	2	75	N	7865			
24-Oct-10	M	2	76	-	7866			
24-Oct-10	F	1	74	N	7867	92620	1	
24-Oct-10	F	1	62	N	7868	92620	2	
24-Oct-10	M	2	80	N	7869	92620	3	
24-Oct-10	F	2	69	N	7870	92620	4	
24-Oct-10	F	1	68	N	7871	92620	5	
24-Oct-10	F	1	73	N	7872	92620	6	
24-Oct-10	F	1	79	N	7873	92620	7	
24-Oct-10	F	1	70	Y	7874	92620	8	
24-Oct-10	M	2	83	N	7875	92620	9	
24-Oct-10	F	2	78	N	7876	92620	10	
24-Oct-10	F	2	66	N	7877			
24-Oct-10	M	1	75	N	7878			
24-Oct-10	F	2	72	N	7879			
24-Oct-10	M	2	75	N	7880			
24-Oct-10	M	1	58	N	7881			
24-Oct-10	M	1	77	N	7882			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	F	1	51	N	7883			
24-Oct-10	F	2	67	Y	7884			
24-Oct-10	F	1	74	N	7885			
24-Oct-10	M	2	73	N	7886			
24-Oct-10	F	1	67	N	7887			
24-Oct-10	F	1	65	N	7888			
24-Oct-10	F	1	72	N	7889			
24-Oct-10	F	1	70	N	7890			
24-Oct-10	F	2	70	N	7891			
24-Oct-10	F	2	76	N	7892			
24-Oct-10	M	2	61	N	7893			
24-Oct-10	F	2	65	N	7894			
24-Oct-10	F	2	75	N	7895			
24-Oct-10	M	2	53	N	7896			
24-Oct-10	M	2	77	N	7897			
24-Oct-10	M	2	80	N	7898			
24-Oct-10	M	1	69	N	7899			
24-Oct-10	M	2	68	N	7900			
24-Oct-10	F	2	80	N	7901	92621	1	
24-Oct-10	M	1	74	N	7902	92621	2	
24-Oct-10	M	1	74	N	7903	92621	3	
24-Oct-10	M	2	80	N	7904	92621	4	
24-Oct-10	F	1	77	N	7905	92621	5	
24-Oct-10	F	1	80	N	7906	92621	6	
24-Oct-10	M	1	45	N	7907	92621	7	
24-Oct-10	M	2	76	N	7908	92621	8	
24-Oct-10	M	2	77	N	7909	92621	9	
24-Oct-10	F	1	51	N	7910	92621	10	
24-Oct-10	F	1	69	Y	7911	92622	1	
24-Oct-10	F	1	67	N	7912	92622	2	
24-Oct-10	F	1	74	N	7913	92622	3	
24-Oct-10	M	1	71	N	7914	92622	4	
24-Oct-10	F	2	79	N	7915	92622	5	
24-Oct-10	M	1	79	N	7916	92622	6	
24-Oct-10	F	1	67	N	7917	92622	7	
24-Oct-10	F	1	69	N	7918	92622	8	
24-Oct-10	M	2	79	Y	7919	92622	9	
24-Oct-10	M	2	68	N	7920	92622	10	
24-Oct-10	M	2	78	N	7921			
24-Oct-10	M	2	71	N	7922			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	M	1	70	Y	7923			
24-Oct-10	M	1	53	N	7924			
24-Oct-10	F	2	74	N	7925			
24-Oct-10	F	1	74	N	7926			
24-Oct-10	F	1	71	N	7927			
24-Oct-10	M	2	78	N	7928			
24-Oct-10	F	1	72	N	7929			
24-Oct-10	M	2	71	N	7930			
24-Oct-10	M	2	67	N	7931			
24-Oct-10	F	2	76	N	7932			
24-Oct-10	F	1	71	N	7933			
24-Oct-10	M	2	80	N	7934			
24-Oct-10	M	1	80	N	7935			
24-Oct-10	M	1	78	Y	7936			
24-Oct-10	M	1	78	N	7937			
24-Oct-10	M	2	79	N	7938			
24-Oct-10	M	1	80	N	7939			
24-Oct-10	M	2	69	N	7940			
24-Oct-10	F	1	68	N	7941			
24-Oct-10	F	1	63	N	7942			
24-Oct-10	F	1	75	N	7943			
24-Oct-10	F	1	75	N	7944			
24-Oct-10	F	1	83	N	7945			
24-Oct-10	M	2	59	N	7946			
24-Oct-10	F	1	77	N	7947			
24-Oct-10	M	1	56	N	7948			
24-Oct-10	M	2	52	N	7949			
24-Oct-10	F	1	66	N	7950			
24-Oct-10	M	2	72	N	7951			
24-Oct-10	M	2	76	N	7952			
24-Oct-10	F	1	66	N	7953			
24-Oct-10	F	1	68	N	7954			
24-Oct-10	F	2	68	N	7955			
24-Oct-10	F	1	66	N	7956			
24-Oct-10	F	1	61	N	7957			
24-Oct-10	M	2	75	N	7958			
24-Oct-10	M	2	70	N	7959			
24-Oct-10	M	2	78	N	7960			
24-Oct-10	M	2	56	N	7961			
24-Oct-10	F	2	75	N	7962			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	M	2	79	N	7963			
24-Oct-10	F	1	69	N	7964			
24-Oct-10	F	1	72	N	7965			
24-Oct-10	F	1	71	N	7966			
24-Oct-10	M	1	81	N	7967			
24-Oct-10	F	1	69	N	7968			
24-Oct-10	F	1	54	N	7969			
24-Oct-10	M	2	59	N	7970			
24-Oct-10	M	2	78	N	7971			
24-Oct-10	M	1	78	N	7972			
24-Oct-10	M	1	79	N	7973			
24-Oct-10	M	1	63	N	7974			
24-Oct-10	F	1	59	N	7975			
24-Oct-10	M	1	73	N	7976			
24-Oct-10	M	2	80	N	7977			
24-Oct-10	M	2	78	N	7978			
24-Oct-10	M	2	85	N	7979			
24-Oct-10	M	1	83	N	7980			
24-Oct-10	F	1	77	N	7981			
24-Oct-10	M	2	80	N	7982			
24-Oct-10	F	1	75	N	7983			
24-Oct-10	F	1	71	N	7984			
24-Oct-10	M	2	70	N	7985			
24-Oct-10	M	1	75	N	7986			
24-Oct-10	F	1	74	N	7987			
24-Oct-10	F	1	79	N	7988			
24-Oct-10	F	1	72	N	7989			
24-Oct-10	M	1	82	N	7990			
24-Oct-10	M	2	81	N	7991			
24-Oct-10	F	1	76	N	7992			
24-Oct-10	F	1	74	N	7993			
24-Oct-10	F	1	76	N	7994			
24-Oct-10	F	1	80	Y	7995			
24-Oct-10	M	1	81	N	7996			
24-Oct-10	M	1	74	Y	7999			7997/7998 WASTED
24-Oct-10	F	1	72	-	8000			
24-Oct-10	F	1	75	N				
24-Oct-10	F	2	71	N				
24-Oct-10	M	1	75	N				
24-Oct-10	M	1	76	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	M	1	74	N				
24-Oct-10	F	1	76	N				
24-Oct-10	F	1	80	N				
24-Oct-10	M	1	82	Y				
24-Oct-10	J	1	40	Y				
24-Oct-10	J	1	26	N				
24-Oct-10	J	1	29	N				
24-Oct-10	J	1	30	N				
24-Oct-10	J	1	33	N				
24-Oct-10	J	1	32	N				
24-Oct-10	J	1	25	N				
24-Oct-10	J	1	29	N				
24-Oct-10	J	1	27	Y				
24-Oct-10	J	1	31	N				
24-Oct-10	J	1	39	N				
24-Oct-10	J	1	29	N				
24-Oct-10	J	1	25	N				
24-Oct-10	J	1	26	N				
24-Oct-10	J	1	24	N				
24-Oct-10	J	1	21	N				
24-Oct-10	J	1	26	N				
24-Oct-10	J	1	28	N				
24-Oct-10	J	1	33	N				
24-Oct-10	J	1	38	N				
24-Oct-10	J	1	40	Y				
24-Oct-10	J	1	39	N				
24-Oct-10	J	1	26	N				
24-Oct-10	J	1	25	N				
24-Oct-10	J	1	33	N				
24-Oct-10	J	1	31	N				
24-Oct-10	J	1	30	N				
24-Oct-10	J	1	29	N				
24-Oct-10	J	1	39	N				
24-Oct-10	J	1	41	N				
24-Oct-10	J	1	26	Y				
24-Oct-10	J	1	25	N				
24-Oct-10	J	1	26	N				
24-Oct-10	J	1	27	N				
24-Oct-10	J	1	30	N				
24-Oct-10	J	1	31	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	J	1	31	N				
24-Oct-10	J	1	32	N				
24-Oct-10	J	1	38	Y				
24-Oct-10	J	1	36	N				
24-Oct-10	M	1	80	Y				
24-Oct-10	M	1	79	N				
24-Oct-10	F	2	78	N				
24-Oct-10	F	2	80	N				
24-Oct-10	F	2	77	N				
24-Oct-10	M	1	83	N				
24-Oct-10	F	1	80	N				
24-Oct-10	F	1	79	Y				
24-Oct-10	F	1	78	N				
24-Oct-10	M	2	66	N				
24-Oct-10	M	2	68	N				
24-Oct-10	M	1	69	N				
24-Oct-10	F	1	70	N				
24-Oct-10	F	1	72	N				
24-Oct-10	F	1	74	N				
24-Oct-10	M	1	76	N				
24-Oct-10	M	2	81	N				
24-Oct-10	M	2	79	N				
24-Oct-10	F	1	66	Y				
24-Oct-10	F	1	68	N				
24-Oct-10	M	1	71	N				
24-Oct-10	M	1	81	N				
24-Oct-10	M	1	80	N				
24-Oct-10	F	2	69	Y				
24-Oct-10	F	1	77	N				
24-Oct-10	F	1	80	N				
24-Oct-10	M	2	86	N				
24-Oct-10	M	2	84	N				
24-Oct-10	M	1	81	N				
24-Oct-10	F	1	79	N				
24-Oct-10	M	1	81	N				
24-Oct-10	F	1	78	N				
24-Oct-10	F	1	66	N				
24-Oct-10	F	1	69	Y				
24-Oct-10	F	2	71	N				
24-Oct-10	F	2	70	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
24-Oct-10	M	1	79	N				
24-Oct-10	F	1	75	N				
24-Oct-10	M	1	76	Y				
24-Oct-10	M	1	74	N				
25-Oct-10	M	2	79	N	8001			RETENTION BOX
25-Oct-10	M	2	76	N	8002			RETENTION BOX
25-Oct-10	M	2	78	N	8005			RETENTION BOX / 8003,8004 WASTED
25-Oct-10	F	2	65	N	8006			RETENTION BOX
25-Oct-10	F	2	76	N	8007			RETENTION BOX
25-Oct-10	F	2	73	N	8008			RETENTION BOX
25-Oct-10	F	2	74	N	8009			
25-Oct-10	F	2	75	N	8010			
25-Oct-10	M	2	73	N	8011			
25-Oct-10	M	2	71	N	8013			8012 WASTED
25-Oct-10	M	2	68	N	8015			8014 WASTED
25-Oct-10	M	2	78	N	8016			
25-Oct-10	M	2	81	N	8017			
25-Oct-10	M	2	75	N	8018			
25-Oct-10	M	2	76	N	8019			
25-Oct-10	F	2	64	N	8020			
25-Oct-10	F	1	73	N	8021			
25-Oct-10	M	2	74	Y	8022			
25-Oct-10	F	2	75	N	8023			
25-Oct-10	F	2	77	Y	8024			
25-Oct-10	M	2	74	N	8025			
25-Oct-10	F	2	73	N	8026			
25-Oct-10	M	2	78	N	8027			
25-Oct-10	F	2	73	N	8030			8028/8029 WASTED
25-Oct-10	F	2	74	N	8031			
25-Oct-10	F	1	77	N	8032			
25-Oct-10	F	2	63	N	8033			
25-Oct-10	F	2	66	N	8034			NOSE BASHED
25-Oct-10	F	2	75	N	8035			
25-Oct-10	M	2	51	N	8036			
25-Oct-10	M	2	53	N	8037			
25-Oct-10	M	2	86	N	8038			
25-Oct-10	J	2	35	-				
25-Oct-10	F	2	75	N	8039			
25-Oct-10	M	2	77	N	8040			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
25-Oct-10	F	2	73	N	8043			8041/8042 WASTED
25-Oct-10	M	2	86	N	8044			
25-Oct-10	F	2	71	Y	8045			
25-Oct-10	F	2	75	N	8046			
25-Oct-10	M	2	67	-	8047			NO CWT CHECK
25-Oct-10	F	2	78	N	8048			SCARED BELLY
25-Oct-10	M	2	81	N	8049			
25-Oct-10	F	2	66	N	8050			
25-Oct-10	M	2	73	N	8051			
25-Oct-10	M	2	73	N	8052			
25-Oct-10	F	2	75	N	8054			8053 WASTED
25-Oct-10	J	2	34	-				
25-Oct-10	F	1	72	N	8055			
25-Oct-10	F	1	76	N	8058			8056/8057 WASTED
25-Oct-10	F	1	67	N	8059			
25-Oct-10	J	-	34	-				
25-Oct-10	F	1	74	N	8060			
25-Oct-10	F	1	61	Y	8061			
25-Oct-10	F	2	62	N	8062			
25-Oct-10	F	2	75	N	8063			
25-Oct-10	M	2	72	N	8064			
25-Oct-10	F	2	74	N	8065			
25-Oct-10	F	2	69	N	8066			
25-Oct-10	F	2	75	N	8067			BELLY SCAR
25-Oct-10	M	2	75	Y	8068			
25-Oct-10	M	2	79	N	8069			
25-Oct-10	M	2	82	N	8070			
25-Oct-10	J	2	33	-				
25-Oct-10	M	2	52	N	8071			
25-Oct-10	F	1	65	N	8072			
25-Oct-10	M	2	72	N	8075			8073/8074 WASTED
25-Oct-10	J	2	33	-				
25-Oct-10	F	2	70	N	8076			
25-Oct-10	F	2	66	N	8077			
25-Oct-10	M	2	68	N	8078			
25-Oct-10	J	2	35	-				
25-Oct-10	M	2	72	N	8079			
25-Oct-10	M	2	77	N	8080			
25-Oct-10	F	2	71	N	8081			
25-Oct-10	M	2	71	N	8082			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
25-Oct-10	F	2	68	N	8084			8083 WASTED
25-Oct-10	M	2	80	N	8085			
25-Oct-10	M	2	74	N	8086			
25-Oct-10	J	2	31	-				
25-Oct-10	M	2	76	N	8087			
25-Oct-10	F	2	77	N	8088			
25-Oct-10	M	2	77	N	8089	92623	1	
25-Oct-10	M	2	66	N	8090	92623	2	
25-Oct-10	M	2	78	N	8091	92623	3	
25-Oct-10	F	2	72	N	8092	92623	4	
25-Oct-10	F	2	71	N	8093	92623	5	
25-Oct-10	F	1	64	N	8094	92623	6	
25-Oct-10	M	1	81	N	8095	92623	7	
25-Oct-10	F	1	72	N	8096	92623	8	
25-Oct-10	F	2	74	N	8097	92623	9	
25-Oct-10	F	2	73	N	8098	92623	10	
25-Oct-10	F	2	70	N	8099			
25-Oct-10	M	2	69	Y	8101			8100 WASTED
25-Oct-10	M	2	63	N	8102			
25-Oct-10	M	2	69	N	8103			
25-Oct-10	F	2	75	N	8104			
25-Oct-10	M	2	78	N	8105			
25-Oct-10	F	2	71	N	8106			
25-Oct-10	M	2	78	-	8107			NO CWT CHECK
25-Oct-10	M	2	69	N	8108			
25-Oct-10	F	2	76	N	8109			
25-Oct-10	F	1	70	N	8110			
25-Oct-10	F	2	73	N	8111			
25-Oct-10	F	1	74	N	8112			
25-Oct-10	M	2	76	N	8113			
25-Oct-10	F	2	73	N	8114			
25-Oct-10	M	2	81	N	8115			
25-Oct-10	F	2	78	N	8116			
25-Oct-10	M	2	73	N	8117			
25-Oct-10	M	2	58	N	8118			
25-Oct-10	F	2	74	N	8119			
25-Oct-10	M	2	76	N	8120			
25-Oct-10	M	2	75	N	8121			
25-Oct-10	M	2	77	N	8122			
25-Oct-10	M	2	83	N	8123			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
25-Oct-10	F	2	78	N	8124			
25-Oct-10	F	1	60	N	8125			
25-Oct-10	M	2	82	N	8126			
25-Oct-10	F	1	66	-	8127			NO CWT CHECK
25-Oct-10	F	2	73	Y	8128			
25-Oct-10	F	2	76	N	8129			
25-Oct-10	M	2	68	N	8130			
25-Oct-10	M	2	82	Y	8131			
25-Oct-10	M	2	76	Y	8132			
25-Oct-10	M	2	81	N	8133			
25-Oct-10	M	2	76	N	8134			
25-Oct-10	F	1	68	N	8136			8135 WASTED
25-Oct-10	M	2	66	N	8137			
25-Oct-10	M	2	82	N	8138			
25-Oct-10	F	1	73	N	8140			8139 WASTED
25-Oct-10	M	2	80	N	8141			
25-Oct-10	F	2	65	N	8142			
25-Oct-10	M	1	67	N	8144			8143 WASTED
25-Oct-10	F	1	65	N	8145			
25-Oct-10	M	2	67	N	8146			
25-Oct-10	M	2	70	Y	8147			
25-Oct-10	M	2	83	N	8148			
25-Oct-10	F	1	78	N	8149			
25-Oct-10	M	1	56	N	8150			
25-Oct-10	F	2	68	N	8151			
25-Oct-10	M	2	76	N	8152			
25-Oct-10	M	2	80	N	8155			8153/8154 WASTED
25-Oct-10	M	2	82	N	8156			
25-Oct-10	M	2	84	N	8158			8157 WASTED
25-Oct-10	F	2	71	N	8159			
25-Oct-10	F	2	70	N	8160			
25-Oct-10	M	1	84	N	8161			
25-Oct-10	F	2	68	N	8162			
25-Oct-10	F	1	65	N	8164			8163 WASTED
25-Oct-10	M	2	72	N	8166			8165 WASTED
25-Oct-10	F	2	70	N	8168			8167 WASTED
25-Oct-10	M	1	72	Y	8169			
25-Oct-10	F	2	67	Y	8172			8170/8171 WASTED
25-Oct-10	F	1	68	N	8173			
25-Oct-10	M	2	72	N	8174			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
25-Oct-10	M	2	73	N	8176			8175 WASTED
25-Oct-10	F	2	71	N	8177			
25-Oct-10	F	1	74	N	8178			
25-Oct-10	M	2	76	N	8179			
25-Oct-10	F	1	72	N	8180			
25-Oct-10	M	2	69	N	8181			
25-Oct-10	F	2	75	N	8182			
25-Oct-10	M	2	58	N	8183			
25-Oct-10	M	2	65	N	8184			
25-Oct-10	M	2	71	N	8185			
25-Oct-10	M	2	80	N	8186			
25-Oct-10	M	2	76	N	8187			
25-Oct-10	F	2	77	N	8188			
26-Oct-10	M	2	80	N	8189			
26-Oct-10	M	2	72	N	8192			
26-Oct-10	M	2	80	N	8194			
26-Oct-10	M	2	74	N	8195			
26-Oct-10	F	1	73	N	8196			
26-Oct-10	F	1	69	N	8197			
26-Oct-10	F	1	78	N	8199			
26-Oct-10	F	2	75	N	8201			
26-Oct-10	M	2	78	N	8202			
26-Oct-10	F	1	70	N	8203			
26-Oct-10	F	2	74	N	8204			
26-Oct-10	M	2	69	N	8205			
26-Oct-10	F	2	61	N	8207			
26-Oct-10	F	2	74	N	8208			
26-Oct-10	M	2	77	N	8251			8209-8250 WASTED
26-Oct-10	M	2	76	N	8252			
26-Oct-10	J	1	33	-				
26-Oct-10	J	1	32	-				
26-Oct-10	F	1	52	N	8253			
26-Oct-10	M	2	73	N	8254			
26-Oct-10	F	2	59	N	8255			
26-Oct-10	M	2	84	N	8256			
26-Oct-10	F	2	74	N	8257			
26-Oct-10	M	2	73	N	8261			8258-8260 WASTED
26-Oct-10	F	2	63	N	8262			
26-Oct-10	F	3	74	N	8264			8263 WASTED
26-Oct-10	M	2	79	N	8265			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
26-Oct-10	M	2	74	N	8267			8266 WASTED
26-Oct-10	F	2	72	Y	8268			
26-Oct-10	F	2	76	N	8269			
26-Oct-10	M	2	77	N	8270			
26-Oct-10	F	2	70	Y	8271			
26-Oct-10	M	2	76	N	8272			
26-Oct-10	M	2	71	N	8273			
26-Oct-10	M	2	68	N	8274			
26-Oct-10	F	2	67	N	8275			
26-Oct-10	M	2	81	N	8276			
26-Oct-10	M	2	81	N	8277			
26-Oct-10	M	2	75	N	8278			
26-Oct-10	M	2	74	N	8279			
26-Oct-10	F	2	71	N	8280			
26-Oct-10	M	2	75	N	8281			
26-Oct-10	M	2	75	N	8282			PREDATOR MARKS
26-Oct-10	F	2	60	N	8283			
26-Oct-10	M	2	83	N	8284			
26-Oct-10	M	3	55	N	8285			
26-Oct-10	F	2	66	N	8286			
26-Oct-10	M	2	74	N	8287			
26-Oct-10	M	2	80	N	8288			
26-Oct-10	F	2	78	N	8289			
26-Oct-10	F	2	75	N	8294			8290-8293 WASTED
26-Oct-10	M	2	84	N	8295			
26-Oct-10	F	1	72	N	8296			
26-Oct-10	M	3	87	N	8297			
26-Oct-10	M	2	76	N	8298			
26-Oct-10	F	2	61	N	8301			8299/8300 WASTED
26-Oct-10	F	2	73	Y	8302			
26-Oct-10	F	2	74	N	8303			
26-Oct-10	M	2	75	N	8304			
26-Oct-10	F	2	73	N	8305			
26-Oct-10	M	2	75	N	8306			
26-Oct-10	F	2	74	N	8307			
26-Oct-10	F	2	62	N	8038			
26-Oct-10	J	2	33	-				
26-Oct-10	F	2	67	N	8310			8309 WASTED
26-Oct-10	F	2	73	N	8311			
26-Oct-10	M	2	72	Y	8312			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
26-Oct-10	F	2	72	N	8313			
26-Oct-10	M	2	77	N	8314			
26-Oct-10	F	1	75	N	8315			
26-Oct-10	M	2	81	Y	8316			
26-Oct-10	J	2	30	-				
26-Oct-10	F	2	71	Y	8317			
26-Oct-10	M	2	77	N	8318			
26-Oct-10	F	1	72	N	8319			
26-Oct-10	M	2	79	N	8320			
26-Oct-10	M	2	78	N	8321			
26-Oct-10	F	2	76	Y	8322			
26-Oct-10	F	1	75	N	8323			
26-Oct-10	M	2	76	N	8324			
26-Oct-10	M	2	70	N	8325			
26-Oct-10	M	2	83	N	8326			
26-Oct-10	F	2	70	N	8329			8327/8328 WASTED
26-Oct-10	M	2	76	N	8330			
26-Oct-10	F	2	65	N	8331			
26-Oct-10	M	2	87	Y	8332			
26-Oct-10	F	2	67	N	8333			
26-Oct-10	M	2	74	N	8334			
26-Oct-10	M	2	75	N	8335			
26-Oct-10	M	2	74	N	8336			
26-Oct-10	F	2	75	N	8337			
26-Oct-10	M	2	81	N	8338			NO PUNCH
26-Oct-10	M	2	84	N	8339			
26-Oct-10	M	2	81	N	8340			
26-Oct-10	J	2	32	N				
26-Oct-10	F	2	73	N	8341			
26-Oct-10	M	2	78	Y	8342			
26-Oct-10	M	2	81	N	8343			
26-Oct-10	M	2	79	N	8344			
26-Oct-10	M	2	82	N	8347			8345/8346 WASTED
26-Oct-10	M	2	81	N	8348			
26-Oct-10	M	2	79	N	8350			8349 WASTED
26-Oct-10	M	2	82	N	8353			8351/8352 WASTED
26-Oct-10	M	2	77	N	8354			PREDATOR MARKS
26-Oct-10	F	2	57	N	8355			
26-Oct-10	F	2	66	N	8356			
26-Oct-10	F	1	66	N	8357			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
26-Oct-10	J	2	35	-				
26-Oct-10	M	2	67	N	8358			
26-Oct-10	M	2	80	N	8359			
26-Oct-10	F	2	79	N	8360			
26-Oct-10	M	2	77	N	8361			
26-Oct-10	F	2	66	Y	8362			
26-Oct-10	F	2	71	N	8363			
26-Oct-10	F	1	69	N	8364			
26-Oct-10	F	2	76	N	8365			
26-Oct-10	M	2	4	N	8366			
26-Oct-10	M	2	80	N	8367			
26-Oct-10	J	2	32	-				
26-Oct-10	F	1	84	N	8368			
26-Oct-10	M	2	69	N	8372			8369-8371 WASTED
26-Oct-10	F	2	74	N	8373			
26-Oct-10	J	1	35	N				
26-Oct-10	M	2	72	N	8374			
26-Oct-10	M	2	78	N	8375			
26-Oct-10	F	2	80	N	8376			
26-Oct-10	J	1	35	N				
26-Oct-10	M	2	59	N	8377			
26-Oct-10	M	2	76	N	8379			8378 WASTED
26-Oct-10	F	2	72	N	8380			
26-Oct-10	F	2	70	N	8381			
26-Oct-10	M	2	81	Y	8382			
26-Oct-10	F	2	74	N	8383			
26-Oct-10	J	2	35	N				
26-Oct-10	J	-	34	N				
26-Oct-10	F	2	59	Y	8384			
26-Oct-10	M	2	75	N	8385			
26-Oct-10	F	2	66	N	8386			
26-Oct-10	F	2	68	Y	8387			
26-Oct-10	F	2	66	N	8388			
26-Oct-10	F	2	62	N	8389			
26-Oct-10	F	2	73	N	8390			
26-Oct-10	F	1	74	N	8391			
26-Oct-10	F	2	73	N	8392			
26-Oct-10	F	2	74	N	8393			
26-Oct-10	M	2	82	N	8394			
26-Oct-10	M	2	74	N	8398			8395-8397 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
26-Oct-10	M	2	73	N	8399			
26-Oct-10	M	2	72	N	8400			
26-Oct-10	M	2	70	N	8402			8401 WASTED
26-Oct-10	F	2	66	Y	8403			
26-Oct-10	M	2	83	N	8404			
26-Oct-10	F	2	72	N	8405			
26-Oct-10	F	2	71	N	8406			
26-Oct-10	M	2	80	N	8407			
26-Oct-10	M	2	81	N	8408			
26-Oct-10	M	2	78	N	8409			
26-Oct-10	F	2	76	Y	8410			
26-Oct-10	F	1	71	N	8417			8411-8416 WASTED
26-Oct-10	M	2	80	N	8418			
26-Oct-10	M	2	75	N	8419			
26-Oct-10	F	2	76	N	8420			
26-Oct-10	F	2	72	N	8421			
26-Oct-10	F	2	72	N	8422			
26-Oct-10	F	2	62	N	8423			
26-Oct-10	F	2	75	N	8424			
26-Oct-10	M	2	76	N	8425	92625	1	
26-Oct-10	M	2	75	N	8426	92625	2	
26-Oct-10	F	2	82	N	8427	92625	3	
26-Oct-10	M	2	79	N	8428	92625	4	
26-Oct-10	J	2	31	-				
26-Oct-10	M	2	80	N	8429	92625	5	
26-Oct-10	J	2	30	-				
26-Oct-10	F	1	66	Y	8430	92625	6	
26-Oct-10	F	2	70	N	8431	92625	7	
26-Oct-10	M	2	71	N	8432	92625	8	
26-Oct-10	F	2	63	N	8433	92625	9	
26-Oct-10	M	2	48	N	8434	92625	10	
26-Oct-10	F	2	66	N	8435	92624	1	
26-Oct-10	M	2	81	N	8436	92624	2	
26-Oct-10	F	2	61	N	8437	92624	3	
26-Oct-10	F	2	64	N	8438	92624	4	
26-Oct-10	F	2	65	N	8439	92624	5	
26-Oct-10	M	2	79	N	8440	92624	6	
26-Oct-10	J	2	35	-				
26-Oct-10	J	2	30	-				
26-Oct-10	M	2	74	N	8441	92624	7	

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
26-Oct-10	F	2	72	N	8443	92624	8	8442 WASTED
26-Oct-10	F	2	77	N	8444	92624	9	
26-Oct-10	F	1	70	N	8446	92624	10	8445 WASTED
26-Oct-10	F	2	63	N	8447			
26-Oct-10	J	2	34	-				
26-Oct-10	J	2	31	-				
26-Oct-10	M	2	81	N	8448			
26-Oct-10	M	2	65	N	8449			
26-Oct-10	F	2	71	N	8450			
26-Oct-10	M	2	84	N	8452			8451 WASTED
26-Oct-10	J	2	32	N				
26-Oct-10	F	2	71	N	8454			8453 WASTED
26-Oct-10	M	2	73	N	8455			
26-Oct-10	F	2	79	N	8456			
26-Oct-10	F	2	59	N	8457			
26-Oct-10	F	2	70	N	8458			
26-Oct-10	F	2	71	N	8459			
26-Oct-10	F	2	74	N	8460			
26-Oct-10	F	2	74	N	8461			
26-Oct-10	F	1	70	N	8463			8462 WASTED
26-Oct-10	M	2	78	N	8464			
26-Oct-10	M	2	73	N	8465			
26-Oct-10	M	1	70	N	8467			8466 WASTED
26-Oct-10	M	2	56	N	8468			
26-Oct-10	M	2	69	N	8469			
26-Oct-10	M	2	75	N	8470			
26-Oct-10	F	2	68	N	8471			
26-Oct-10	F	2	75	N	8473			8472 WASTED
26-Oct-10	M	2	73	N	8474			
26-Oct-10	F	2	69	N	8475			
26-Oct-10	F	2	71	N	8476			
26-Oct-10	F	2	76	N	8477			
26-Oct-10	F	2	85	-	8478			
26-Oct-10	M	2	74	N	8479			
26-Oct-10	M	2	76	N	8480			
26-Oct-10	F	2	74	N	8481			
26-Oct-10	M	2	65	N	8482			
26-Oct-10	F	2	78	N	8483			
26-Oct-10	M	2	73	N	8484			
26-Oct-10	M	2	82	N	8485			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
26-Oct-10	M	2	66	N	8486			
26-Oct-10	M	2	65	N	8487			
26-Oct-10	M	2	72	N	8488			
26-Oct-10	F	2	73	N	8489			
26-Oct-10	M	2	68	N	8490			
26-Oct-10	M	2	71	N	8491			
26-Oct-10	F	1	65	N	8492			
26-Oct-10	F	2	66	N	8493			
26-Oct-10	M	2	70	N	8494			
26-Oct-10	F	2	79	N	8495			
26-Oct-10	F	2	70	N	8496			
26-Oct-10	F	2	70	N	8498			8497 WASTED
26-Oct-10	M	2	72	N	8499			
26-Oct-10	M	2	70	N	8500			
26-Oct-10	M	3	76	N	8501			
26-Oct-10	M	3	67	N	8502			
26-Oct-10	M	3	73	N	8503			
26-Oct-10	F	2	67	N	8504			
26-Oct-10	F	2	74	N	8505			
26-Oct-10	F	2	58	N	8506			
26-Oct-10	F	2	47	N	8507			
26-Oct-10	M	2	58	N	8508			
26-Oct-10	M	2	48	N	8509			
26-Oct-10	F	2	75	N	8510			
26-Oct-10	J	2	35	-				
26-Oct-10	F	2	65	N	8511			
26-Oct-10	F	2	76	N	8512			
26-Oct-10	F	2	55	N	8513			
26-Oct-10	F	2	75	N	8514			
26-Oct-10	F	2	70	N	8515			
26-Oct-10	M	2	79	N	8516			
26-Oct-10	J	2	30	-				
26-Oct-10	F	2	72	N	8517			
26-Oct-10	F	2	76	N	8518			
26-Oct-10	J	2	31	-				
26-Oct-10	F	2	69	N	8519			
26-Oct-10	F	2	78	N	8520			
26-Oct-10	M	2	71	N	8521			
26-Oct-10	J	2	32	-				
26-Oct-10	M	2	73	N	8525			8522-8524 WASTED

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
26-Oct-10	F	2	69	N	8528			8526/8527 WASTED
26-Oct-10	M	2	77	N	8534			8529-8533 WASTED
26-Oct-10	F	2	55	N	8538			8535-8537 WASTED
26-Oct-10	J	2	31	-				
26-Oct-10	F	1	58	N	8540			8539 WASTED
26-Oct-10	M	2	59	N	8547			8541-8546 WASTED
26-Oct-10	M	2	74	N	8548			
26-Oct-10	F	2	73	Y	8549			
26-Oct-10	M	2	78	N	8550			
26-Oct-10	M	2	78	-	8551			NO CWT CHECK
26-Oct-10	F	2	76	-	8552			NO CWT CHECK
26-Oct-10	F	2	78	-	8553			NO CWT CHECK
26-Oct-10	M	2	79	N	8554			
26-Oct-10	M	2	74	N	8555			
26-Oct-10	F	2	75	N	8556			
26-Oct-10	F	2	52	N	8557			
26-Oct-10	F	2	73	N	8558			
26-Oct-10	M	3	74	N	8559			
26-Oct-10	F	2	70	N	8560			
26-Oct-10	F	2	73	N	8561			
26-Oct-10	F	2	56	N	8562			
26-Oct-10	J	2	31	-				
26-Oct-10	M	2	64	N	8563			
26-Oct-10	M	3	47	N	8564			
26-Oct-10	F	3	76	N	8565			
26-Oct-10	F	2	75	N	8566			
26-Oct-10	M	2	77	N	8567			
26-Oct-10	M	2	79	N	8568			
26-Oct-10	F	2	72	N	8569			
26-Oct-10	M	2	72	N	8570			
26-Oct-10	F	2	74	N	8571			
26-Oct-10	M	2	77	-	8572			NO CWT CHECK
26-Oct-10	F	1	69	N	8573			
26-Oct-10	F	2	73	N	8574			
26-Oct-10	F	2	74	Y	8575			
26-Oct-10	F	2	78	N	8578			8576/8577 WASTED
26-Oct-10	F	2	70	N	8579			
26-Oct-10	F	2	63	N	8580			
26-Oct-10	F	2	66	N	8581			
26-Oct-10	M	2	73	N	8582			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
26-Oct-10	F	2	72	Y	8583			
26-Oct-10	F	1	59	N	8584			
26-Oct-10	F	2	72	N	8585			
26-Oct-10	M	2	74	N	8586			
26-Oct-10	M	2	80	N	8587			
26-Oct-10	J	2	31	N				
26-Oct-10	M	2	75	N	8588			
26-Oct-10	F	2	76	N	8589			
26-Oct-10	F	2	71	N	8590			
26-Oct-10	F	1	66	Y	8591			
26-Oct-10	F	2	52	-	8592			NO CWT CHECK
26-Oct-10	F	2	75	-	8593			NO CWT CHECK
26-Oct-10	-	2	53	N	8594			UNKNOWN
26-Oct-10	J	2	32	N				
26-Oct-10	F	2	66	Y	8595			
26-Oct-10	F	2	72	N	8596			
26-Oct-10	F	2	63	N	8597			
26-Oct-10	F	2	63	N	8598			
26-Oct-10	M	2	75	N	8599			
26-Oct-10	M	2	51	N	8600			
26-Oct-10	F	2	68	N	8601			
26-Oct-10	J	2	35	-				
26-Oct-10	J	2	32	-				
26-Oct-10	J	2	34	-				
26-Oct-10	F	2	67	N	8602			
26-Oct-10	M	2	78	N	8603			
26-Oct-10	F	2	72	N	8604			
26-Oct-10	F	1	69	N	8605			
26-Oct-10	F	2	73	N	8606			
26-Oct-10	F	2	69	N	8607			
26-Oct-10	M	2	76	N	8608			
26-Oct-10	F	2	74	N	8609			
26-Oct-10	M	3	82	N	8610			
26-Oct-10	M	2	80	N	8611			
26-Oct-10	F	2	66	N	8612			
26-Oct-10	J	2	33	-				
26-Oct-10	M	2	76	Y	8613			
26-Oct-10	F	2	70	N	8614			
26-Oct-10	F	2	75	N	8615			
26-Oct-10	M	2	77	N	8616			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
26-Oct-10	F	2	68	N	8618			8617 WASTED
26-Oct-10	F	2	62	N	8619			
26-Oct-10	F	2	66	N	8620			
26-Oct-10	F	2	68	N	8621			
26-Oct-10	F	2	75	N	8623			8622 WASTED
26-Oct-10	F	2	68	N	8624			
26-Oct-10	F	2	70	N	8625			
26-Oct-10	F	2	73	N	8626			
26-Oct-10	F	2	75	N	8627			
26-Oct-10	M	2	78	N	8628			
26-Oct-10	F	2	80	Y	8629			
26-Oct-10	F	2	67	N	8630			
26-Oct-10	F	2	71	N	8631			
26-Oct-10	M	2	83	Y	8632			
27-Oct-10	M	1	74	Y	8633	92626	1	
27-Oct-10	F	1	75	N	8634	92626	2	
27-Oct-10	M	1	79	N	8635	92626	3	
27-Oct-10	F	1	73	N	8636	92626	4	
27-Oct-10	F	1	69	N	8637	92626	5	
27-Oct-10	F	1	74	N	8638	92626	6	
27-Oct-10	M	1	74	N	8639	92626	7	
27-Oct-10	F	1	73	N	8640	92626	8	
27-Oct-10	M	1	77	N	8641	92626	9	
27-Oct-10	F	1	70	N	8642	92626	10	
27-Oct-10	F	1	71	N	8643	92627	1	
27-Oct-10	F	1	65	N	8644	92627	2	
27-Oct-10	M	1	80	N	8645	92627	3	
27-Oct-10	F	1	55	N	8646	92627	4	
27-Oct-10	M	1	77	N	8647	92627	5	
27-Oct-10	M	1	73	N	8648	92627	6	
27-Oct-10	F	1	76	N	8649	92627	7	
27-Oct-10	F	1	70	Y	8650	92627	8	
27-Oct-10	F	1	71	N	8651	92627	9	
27-Oct-10	F	1	75	N	8652	92627	10	
27-Oct-10	F	1	68	N	8653			
27-Oct-10	F	1	68	N	8654			
27-Oct-10	M	1	78	N	8655			
27-Oct-10	F	1	60	N	8656			
27-Oct-10	M	1	82	N	8657			
27-Oct-10	F	1	74	N	8658			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
27-Oct-10	F	1	70	N	8659			
27-Oct-10	M	1	75	N	8660			
27-Oct-10	M	1	72	N	8661			
27-Oct-10	J	1	31	-				
27-Oct-10	F	1	66	N	8662			
27-Oct-10	F	1	68	N	8663			
27-Oct-10	F	1	68	N	8664			
27-Oct-10	F	1	71	N	8665			
27-Oct-10	F	1	75	N	8666			
27-Oct-10	J	1	27	-				
27-Oct-10	F	1	69	N	8667			
27-Oct-10	F	3	73	N	8668			
27-Oct-10	M	1	77	N	8669			
27-Oct-10	F	1	71	N	8670			
27-Oct-10	M	1	78	N	8671			
27-Oct-10	F	1	73	N	8672			
27-Oct-10	F	1	77	N	8673			
27-Oct-10	M	1	76	N	8674			
27-Oct-10	F	1	59	N	8675			
27-Oct-10	F	1	72	N	8676			
27-Oct-10	F	1	74	N	8677			
27-Oct-10	F	1	74	N	8678			
27-Oct-10	M	2	75	N	8679			
27-Oct-10	F	1	72	N	8680			
27-Oct-10	M	1	75	N	8681			
27-Oct-10	M	1	79	N	8682			
27-Oct-10	F	1	76	N	8683			
27-Oct-10	F	1	74	N	8684			
27-Oct-10	M	1	80	N	8686			8685 WASTED
27-Oct-10	F	1	78	N	8687			
27-Oct-10	F	1	76	N	8688			
27-Oct-10	F	1	79	N	8691			8689/8690 WASTED
27-Oct-10	F	1	73	N	8692			
27-Oct-10	J	1	25	-				
27-Oct-10	F	1	60	N	8693			
27-Oct-10	M	1	80	N	8694			
27-Oct-10	F	1	73	N	8695			
27-Oct-10	F	1	63	N	8696			
27-Oct-10	J	1	18	-				
27-Oct-10	F	1	73	N	8697			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
27-Oct-10	M	1	77	N	8698			
27-Oct-10	F	1	75	N	8699			
27-Oct-10	F	1	68	N	8700			
27-Oct-10	F	1	80	N	8701			
27-Oct-10	M	1	68	N	8702			
27-Oct-10	M	1	83	N	8703			
27-Oct-10	F	1	69	N	8704			
27-Oct-10	M	1	77	N	8705			
27-Oct-10	F	1	71	N	8706			
27-Oct-10	F	1	51	N	8707			
27-Oct-10	M	1	75	N	8708			
27-Oct-10	F	1	73	N	8709			
27-Oct-10	M	1	82	N	8710			
27-Oct-10	F	1	65	N	8711			
27-Oct-10	M	1	79	N	8712			
27-Oct-10	M	1	80	N	8713			
27-Oct-10	F	1	74	Y	8714			
27-Oct-10	F	1	59	N	8715			
27-Oct-10	F	1	67	N	8716			
27-Oct-10	F	1	69	N	8717			
27-Oct-10	M	1	71	N	8718			
27-Oct-10	M	1	83	N	8719			
27-Oct-10	F	1	59	N	8720			
27-Oct-10	J	1	31	-				
27-Oct-10	M	1	69	N	8721			
27-Oct-10	M	1	80	N	8722			
27-Oct-10	M	1	81	N	8723			
27-Oct-10	F	1	75	Y	8724			
27-Oct-10	F	1	61	N	8725			
27-Oct-10	F	1	63	N	8726			
27-Oct-10	J	1	29	-				
27-Oct-10	M	1	78	N	8727			
27-Oct-10	J	1	32	-				
27-Oct-10	M	1	69	-	8730			8728/8729 WASTED, NO CWT CHECK
27-Oct-10	F	1	78	N	8731			
27-Oct-10	M	1	87	N	8732			
27-Oct-10	F	1	64	N	8733			
27-Oct-10	F	1	72	N	8734			
27-Oct-10	F	1	69	N	8735			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
27-Oct-10	M	1	82	N	8736			
27-Oct-10	F	1	69	N	8737			
27-Oct-10	F	1	72	N	8738			
27-Oct-10	F	1	62	N	8739			
27-Oct-10	M	1	71	N	8740			
27-Oct-10	M	1	73	N	8741			
27-Oct-10	J	1	27	-				
27-Oct-10	F	1	75	N	8751			8742-8750 WASTED
27-Oct-10	J	1	32	-				
27-Oct-10	M	1	80	N	8752			
27-Oct-10	M	1	79	N	8753			
27-Oct-10	F	1	54	N	8754			
27-Oct-10	M	1	81	N	8755			
27-Oct-10	M	1	64	N	8756			
27-Oct-10	F	1	69	N	8757			
27-Oct-10	F	1	75	-				
27-Oct-10	F	1	78	N	8758			
27-Oct-10	F	1	66	N	8759			
27-Oct-10	F	1	53	N	8760			
27-Oct-10	F	1	76	N	8761			
27-Oct-10	M	1	82	N	8762			
27-Oct-10	F	1	74	N	8763			
27-Oct-10	M	1	77	N	8764			
27-Oct-10	J	1	32	-				
27-Oct-10	F	1	55	N	8765			
27-Oct-10	F	1	71	Y	8766			
27-Oct-10	F	1	80	N	8767			
27-Oct-10	J	1	35	-				
27-Oct-10	F	1	66	N	8768			
27-Oct-10	F	1	78	N	8769			
27-Oct-10	F	1	72	N	8770			
27-Oct-10	F	1	72	N	8801			8771-8800 WASTED
27-Oct-10	J	1	33	-				
27-Oct-10	F	1	70	N	8802			
27-Oct-10	F	1	68	N	8803			
27-Oct-10	M	1	82	N	8804			
27-Oct-10	M	1	74	N	8805	92628	1	
27-Oct-10	M	1	72	N	8806	92628	2	
27-Oct-10	M	1	76	N	8807	92628	3	
27-Oct-10	F	1	66	N	8808	92628	4	

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
27-Oct-10	M	1	84	N	8809	92628	5	
27-Oct-10	F	1	69	N	8810	92628	6	
27-Oct-10	F	1	61	N	8811	92628	7	
27-Oct-10	F	1	71	N	8812	92628	8	
27-Oct-10	M	1	69	N	8813	92628	9	
27-Oct-10	F	1	72	N	8814	92628	10	
27-Oct-10	M	1	69	N	8815			
27-Oct-10	F	1	66	N	8816			
27-Oct-10	F	1	63	N	8817			
27-Oct-10	M	1	70	N	8818			
27-Oct-10	M	1	74	N	8819			
27-Oct-10	F	1	65	N	8820			
27-Oct-10	M	1	70	N	8821			
27-Oct-10	M	1	71	N	8822			
27-Oct-10	J	1	35	-				
27-Oct-10	J	1	26	-				
27-Oct-10	M	1	72	Y	8823			
27-Oct-10	M	1	74	N	8824			
27-Oct-10	M	1	60	N	8825			
27-Oct-10	F	1	70	N	8826			
27-Oct-10	F	1	63	N	8827			
27-Oct-10	F	1	62	N	8828			
27-Oct-10	M	1	71	N	8829			
27-Oct-10	F	1	66	N	8830			
27-Oct-10	F	1	72	N	8831			
27-Oct-10	M	1	76	N	8832			
27-Oct-10	F	1	76	N	8833			
27-Oct-10	F	1	72	N	8834			
27-Oct-10	F	1	79	N	8835			
27-Oct-10	F	1	73	N	8836			
27-Oct-10	M	1	71	N	8837			
27-Oct-10	F	1	76	N	8838			
27-Oct-10	F	1	70	N	8839			
27-Oct-10	M	1	77	N	8840			
27-Oct-10	F	1	74	N	8841			
27-Oct-10	F	1	71	N	8842			
27-Oct-10	F	1	76	N	8843			
27-Oct-10	J	1	35	-				
27-Oct-10	M	1	73	N	8844			
27-Oct-10	F	1	65	N	8845			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
27-Oct-10	F	1	61	N	8846			
27-Oct-10	J	1	30	-				
27-Oct-10	J	1	38	-				
27-Oct-10	F	1	68	N	8847			
27-Oct-10	F	1	69	N	8848			
27-Oct-10	J	1	32	-				
27-Oct-10	F	1	69	N	8849			
27-Oct-10	F	1	73	N	8850			
27-Oct-10	F	1	72	N	8851			
27-Oct-10	F	1	71	N	8852			
27-Oct-10	M	1	70	N	8853			
27-Oct-10	J	1	26	-				NO CWT CHECK
27-Oct-10	J	1	31	-				NO CWT CHECK
27-Oct-10	J	1	33	-				NO CWT CHECK
27-Oct-10	J	1	33	-				NO CWT CHECK
27-Oct-10	J	1	36	-				
27-Oct-10	J	1	25	-				
27-Oct-10	J	1	27	-				
27-Oct-10	M	1	71	N	8855			
27-Oct-10	F	1	76	N	8856			
27-Oct-10	F	1	75	N	8857			
27-Oct-10	F	1	58	N	8858			
27-Oct-10	M	1	76	N	8859			
27-Oct-10	J	1	30	-				
27-Oct-10	M	1	75	Y	8860			
27-Oct-10	M	1	76	N	8861			
27-Oct-10	F	1	71	N	8862			
27-Oct-10	M	1	72	N	8863			
27-Oct-10	J	1	28	-				
27-Oct-10	M	1	77	Y	8864			
27-Oct-10	M	1	82	N	8865			
27-Oct-10	M	1	80	N	8868			8866/8867 WASTED
27-Oct-10	J	1	34	-				
27-Oct-10	F	1	70	N	8869			
27-Oct-10	F	1	70	N	8870			
27-Oct-10	F	1	69	N	8871			
27-Oct-10	F	1	67	N	8872			
27-Oct-10	M	1	76	N	8873			
27-Oct-10	F	1	64	N	8874			
27-Oct-10	F	1	68	N	8875			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
27-Oct-10	F	1	56	N	8876			
27-Oct-10	F	1	56	N	8877			
27-Oct-10	F	1	56	N	8878			
27-Oct-10	F	1	70	N	8879			
27-Oct-10	F	1	62	N	8880			
27-Oct-10	F	1	72	N	8881			
27-Oct-10	F	1	58	N	8882			
27-Oct-10	F	1	56	N	8883			
27-Oct-10	F	1	62	N	8884			
27-Oct-10	M	1	71	N	8885			
27-Oct-10	M	1	66	N	8886			
27-Oct-10	F	1	66	N	8887			
27-Oct-10	F	1	64	N	8888			
27-Oct-10	F	1	75	N	8889			
27-Oct-10	F	1	73	N	8890			
27-Oct-10	F	1	69	N	8891			
27-Oct-10	F	1	53	N	8892			
28-Oct-10	F	2	75	N	8893	92629	1	
28-Oct-10	F	2	64	N	8894	92629	2	
28-Oct-10	F	2	72	N	8896	92629	3	8895 WASTED
28-Oct-10	J	2	35	-				
28-Oct-10	J	2	34	-				
28-Oct-10	F	2	75	N	8897	92629	4	
28-Oct-10	J	2	31	-				
28-Oct-10	J	2	32	-				
28-Oct-10	F	2	61	N	8898	92629	5	
28-Oct-10	F	2	71	N	8899	92629	6	
28-Oct-10	J	2	31	-				
28-Oct-10	F	2	71	N	8900	92629	7	
28-Oct-10	M	3	76	N	8901	92629	8	
28-Oct-10	F	2	73	N	8902	92629	9	
28-Oct-10	M	2	78	N	8903	92629	10	
28-Oct-10	F	2	70	N	8904			
28-Oct-10	M	2	74	N	8905			
28-Oct-10	J	2	30	-				
28-Oct-10	M	2	70	N	8907			8906 WASTED
28-Oct-10	F	2	76	-	8908			NO CWT CHECK
28-Oct-10	M	2	66	N	8909			
28-Oct-10	F	1	61	N	8910			
28-Oct-10	M	2	74	N	8911			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
28-Oct-10	M	2	74	N	8912			
28-Oct-10	J	2	31	-				
28-Oct-10	J	2	32	-				
28-Oct-10	J	2	33	-				
28-Oct-10	F	2	64	N	8913			
28-Oct-10	M	2	79	N	8914			
28-Oct-10	M	2	72	N	8915			
28-Oct-10	F	2	72	N	8916			
28-Oct-10	J	2	32	-				
28-Oct-10	F	2	81	N	8917			
28-Oct-10	F	2	69	N	8918			
28-Oct-10	M	2	82	N	8919			
28-Oct-10	F	2	71	N	8920			
28-Oct-10	F	2	65	N	8922			8921 WASTED
28-Oct-10	J	2	32	-				
28-Oct-10	F	2	66	Y	8923			
28-Oct-10	M	2	78	N	8925			8924 WASTED
28-Oct-10	M	2	72	N	8926			
28-Oct-10	F	2	71	N	8927			MARKED
28-Oct-10	M	3	73	N	8928			MARKED
28-Oct-10	F	2	77	N	8929			
28-Oct-10	F	2	72	N	8930			
28-Oct-10	J	2	28	-				
28-Oct-10	M	2	72	N	8931			
28-Oct-10	M	2	68	N	8932			
28-Oct-10	F	1	70	N	8933			
28-Oct-10	J	2	30	-				
28-Oct-10	F	1	60	N	8934			
28-Oct-10	J	1	28	-				
28-Oct-10	J	1	29	-				
28-Oct-10	F	2	65	N	8935			
28-Oct-10	J	2	30	-				
28-Oct-10	F	2	70	N	8936			
28-Oct-10	F	2	63	N	8937			
28-Oct-10	J	2	28	-				
28-Oct-10	F	2	66	N	8938			
28-Oct-10	M	2	80	N	8939			
28-Oct-10	F	3	69	N	8940			
28-Oct-10	F	2	74	N	8941			
28-Oct-10	F	2	68	N	8942			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
28-Oct-10	J	2	29	-				
28-Oct-10	F	2	62	N	8943			
28-Oct-10	J	2	26	-				
28-Oct-10	J	2	29	-				
28-Oct-10	F	2	68	N	8944			
28-Oct-10	F	2	71	N	8945			
28-Oct-10	F	2	72	N	8946			
28-Oct-10	F	2	71	N	8947			
28-Oct-10	J	2	32	-				
28-Oct-10	F	2	74	N	8948			
28-Oct-10	J	2	30	-				
28-Oct-10	F	2	75	N	8949			
28-Oct-10	F	2	67	Y	8950			
28-Oct-10	F	2	70	N	8951			
28-Oct-10	J	2	31	-				
28-Oct-10	F	2	68	N	8952			
28-Oct-10	M	2	76	N	8953			
28-Oct-10	J	2	28	-				
28-Oct-10	J	2	32	-				
28-Oct-10	F	2	75	N	8954			
28-Oct-10	F	2	66	N	8955			
28-Oct-10	F	2	70	N	8956			
28-Oct-10	F	2	73	N	8957			
28-Oct-10	F	2	74	Y	8958			
28-Oct-10	J	2	30	-				
28-Oct-10	M	2	73	N	8959			
28-Oct-10	M	2	76	N	8960			
28-Oct-10	J	2	30	-				
28-Oct-10	F	2	65	N	8961			
28-Oct-10	J	2	32	-				
28-Oct-10	J	2	28	-				
28-Oct-10	M	2	80	N	8962			
28-Oct-10	J	2	32	-				
28-Oct-10	J	2	31	-				
28-Oct-10	F	-	59	N	8963			
28-Oct-10	J	-	32	-				
28-Oct-10	-	-	67	Y	8964			UNKNOWN
28-Oct-10	J	2	32	-				
28-Oct-10	J	2	35	-				
28-Oct-10	J	2	30	-				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
28-Oct-10	F	2	72	N	8965			
28-Oct-10	F	2	73	N	8966			
28-Oct-10	M	2	77	N	8967			
28-Oct-10	M	2	76	N	8968			PREDATOR MARK
28-Oct-10	J	2	29	-				
28-Oct-10	M	2	71	N	8969			
28-Oct-10	M	2	67	Y	8970			
28-Oct-10	F	2	51	Y	8971			
28-Oct-10	F	2	71	N	8972			
28-Oct-10	F	2	59	N	8973			
28-Oct-10	F	2	71	N	8974			
28-Oct-10	J	2	32	-				
28-Oct-10	M	2	73	N	8975			
28-Oct-10	F	2	57	N	8976			
28-Oct-10	J	2	32	-				
28-Oct-10	F	2	70	N	8977			
28-Oct-10	F	2	70	N	8978			
28-Oct-10	F	2	69	N	8979			
28-Oct-10	J	2	25	-				
28-Oct-10	J	2	26	-				
28-Oct-10	J	2	25	-				
28-Oct-10	F	2	69	N	8980			
28-Oct-10	F	2	58	N	8981			
28-Oct-10	M	2	74	N	8982			
28-Oct-10	F	1	71	N	8983			
28-Oct-10	M	2	78	N	8985			8984 WASTED
28-Oct-10	F	2	73	N	8986			
28-Oct-10	M	2	77	N	8987			
28-Oct-10	J	2	35	-				
28-Oct-10	J	2	32	-				
28-Oct-10	J	2	31	-				
28-Oct-10	F	2	69	N	8988			
28-Oct-10	F	2	75	N	8989			
28-Oct-10	J	2	35	-				
28-Oct-10	J	2	35	Y				
28-Oct-10	J	2	32	-				
28-Oct-10	J	2	35	-				
28-Oct-10	F	2	75	N	8990			
28-Oct-10	F	2	69	N	8991			
28-Oct-10	F	2	74	N	8992			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
28-Oct-10	M	2	79	N	8993			
28-Oct-10	J	2	32	-				
28-Oct-10	F	2	71	N	8994			
28-Oct-10	J	2	28	-				
28-Oct-10	J	2	27	-				
28-Oct-10	F	2	72	N	8995			
28-Oct-10	F	2	73	N	8996			
28-Oct-10	F	2	68	N	8997			
28-Oct-10	M	2	80	N	8998			
28-Oct-10	J	2	26	-				
28-Oct-10	J	2	29	-				
28-Oct-10	M	2	83	N	8999			
28-Oct-10	M	2	78	N	9000			
28-Oct-10	F	2	72	N	9001			
28-Oct-10	J	2	32	-				
28-Oct-10	F	2	69	N	9002			
28-Oct-10	F	2	68	-	9003			NO CWT CHECK
29-Oct-10	M	2	76	N	9004	92630	1	
29-Oct-10	F	2	75	N	9005	92630	2	
29-Oct-10	F	1	75	Y	9006	92630	3	
29-Oct-10	M	2	82	N	9007	92630	4	
29-Oct-10	M	2	75	N	9008	92630	5	
29-Oct-10	M	1	73	N	9009	92630	6	
29-Oct-10	M	2	81	N	9010	92630	7	
29-Oct-10	F	1	70	N	9011	92630	8	
29-Oct-10	M	1	60	N	9012	92630	9	
29-Oct-10	F	2	79	N	9013	92630	10	
29-Oct-10	F	2	76	N	9014			
29-Oct-10	M	2	75	N	9015			
29-Oct-10	F	1	70	N	9016			
29-Oct-10	M	1	68	N	9017			
29-Oct-10	M	2	48	N	9018			
29-Oct-10	M	2	83	N	9019			
29-Oct-10	M	2	81	N	9020			
29-Oct-10	F	1	66	N	9021			
29-Oct-10	M	1	70	N	9022			
29-Oct-10	F	1	71	N	9023			
29-Oct-10	F	1	65	N	9024			
29-Oct-10	F	1	64	N	9025			
29-Oct-10	F	1	67	N	9026			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
29-Oct-10	M	1	66	N	9027			
29-Oct-10	M	2	76	N	9028			
29-Oct-10	F	1	70	N	9029			
29-Oct-10	F	2	74	N	9030	80651	1	
29-Oct-10	F	1	70	Y	9031	80651	2	
29-Oct-10	F	1	71	N	9032	80651	3	
29-Oct-10	F	2	77	N	9033	80651	4	
29-Oct-10	M	2	77	N	9034	80651	5	
29-Oct-10	F	1	70	Y	9035	80651	6	
29-Oct-10	F	1	63	N	9036	80651	7	
29-Oct-10	M	1	58	N	9037	80651	8	
29-Oct-10	M	2	71	N	9038	80651	9	
29-Oct-10	M	2	76	N	9039	80651	10	
29-Oct-10	F	2	79	N	9040			
29-Oct-10	F	1	64	N	9041			
29-Oct-10	M	1	53	N	9042			
29-Oct-10	F	1	75	-	9043			
29-Oct-10	F	1	62	N	9044			
29-Oct-10	F	1	71	N	9045	80652	1	
29-Oct-10	F	1	64	Y	9046	80652	2	
29-Oct-10	F	2	76	N	9047	80652	3	
29-Oct-10	F	1	76	N	9048	80652	4	
29-Oct-10	F	1	73	N	9049	80652	5	
29-Oct-10	F	1	66	N	9050	80652	6	
29-Oct-10	M	2	76	N	9051	80652	7	
29-Oct-10	F	1	70	N	9052	80652	8	
29-Oct-10	M	1	78	N	9053	80652	9	
29-Oct-10	F	1	76	N	9054	80652	10	
29-Oct-10	F	1	71	N	9055			
29-Oct-10	F	1	72	Y	9056			
29-Oct-10	M	2	79	N	9057			
29-Oct-10	M	1	80	N	9058			
29-Oct-10	M	2	81	N	9059			
29-Oct-10	F	1	61	N	9060			
29-Oct-10	F	1	78	N	9061			
29-Oct-10	F	2	63	N	9062			
29-Oct-10	M	1	80	-	9063			
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	35	N				
29-Oct-10	J	1	29	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
29-Oct-10	J	1	27	N				
29-Oct-10	J	1	26	N				
29-Oct-10	J	1	36	N				
29-Oct-10	J	1	34	N				
29-Oct-10	J	1	32	N				
29-Oct-10	J	1	30	N				
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	29	N				
29-Oct-10	J	1	29	N				
29-Oct-10	J	1	40	N				
29-Oct-10	J	1	30	N				
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	29	N				
29-Oct-10	J	1	32	N				
29-Oct-10	J	1	28	N				
29-Oct-10	J	1	29	N				
29-Oct-10	J	1	40	N				
29-Oct-10	J	1	30	N				
29-Oct-10	J	1	29	Y				
29-Oct-10	J	1	27	N				
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	30	N				
29-Oct-10	J	1	26	N				
29-Oct-10	J	1	30	N				
29-Oct-10	J	1	27	N				
29-Oct-10	J	1	25	N				
29-Oct-10	J	1	29	N				
29-Oct-10	J	1	41	N				
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	34	N				
29-Oct-10	J	1	29	N				
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	30	N				
29-Oct-10	J	1	40	N				
29-Oct-10	J	1	38	N				
29-Oct-10	J	1	29	N				
29-Oct-10	J	1	28	N				
29-Oct-10	J	1	35	N				
29-Oct-10	J	1	37	N				
29-Oct-10	J	1	30	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	30	N				
29-Oct-10	J	1	29	N				
29-Oct-10	J	1	30	N				
29-Oct-10	J	1	40	N				
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	28	N				
29-Oct-10	J	1	27	N				
29-Oct-10	J	1	40	N				
29-Oct-10	J	1	39	N				
29-Oct-10	J	1	35	N				
29-Oct-10	J	1	39	Y				
29-Oct-10	J	1	35	Y				
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	29	N				
29-Oct-10	J	1	27	N				
29-Oct-10	J	1	30	-				
29-Oct-10	F	1	71	N	9064			
29-Oct-10	J	1	35	N				
29-Oct-10	J	1	38	N				
29-Oct-10	J	1	37	N				
29-Oct-10	J	1	39	N				
29-Oct-10	J	1	31	N				
29-Oct-10	J	1	41	N				
29-Oct-10	J	1	35	N				
30-Oct-10	F	3	75	N	9065			
30-Oct-10	J	3	33	N				
30-Oct-10	F	3	72	N	9066			
30-Oct-10	J	3	31	N				
30-Oct-10	F	3	71	N	9067			
30-Oct-10	F	3	77	Y	9068			
30-Oct-10	F	2	74	N	9069			
30-Oct-10	M	3	79	N	9070			
30-Oct-10	M	3	78	N	9071			
30-Oct-10	F	2	72	N	9072			
30-Oct-10	M	3	75	N	9073			
30-Oct-10	F	3	70	N	9074			
30-Oct-10	J	2	29	N				
30-Oct-10	J	2	32	N				
30-Oct-10	J	2	31	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
30-Oct-10	J	2	35	N				
30-Oct-10	J	2	37	N				
30-Oct-10	F	2	73	N	9075			
30-Oct-10	J	2	33	N				
30-Oct-10	J	2	30	N				
30-Oct-10	J	2	37	N				
30-Oct-10	F	2	72	N	9076			
30-Oct-10	F	2	77	N	9078			9077 WASTED
30-Oct-10	F	2	72	N	9079			
30-Oct-10	F	2	72	N	9081			9080 WASTED
30-Oct-10	F	2	73	N	9082			
30-Oct-10	M	3	59	N	9083			
30-Oct-10	J	2	39	N				
30-Oct-10	J	2	28	N				
30-Oct-10	F	3	66	N	9084			
30-Oct-10	F	2	80	N	9085			
30-Oct-10	F	2	77	N	9086			
30-Oct-10	F	2	64	N	9087			
30-Oct-10	F	2	47	N	9088			
30-Oct-10	F	2	77	N	9089			
30-Oct-10	J	2	40	N				
30-Oct-10	F	2	72	N	9090			
30-Oct-10	J	2	38	N				
30-Oct-10	J	2	31	N				
30-Oct-10	F	2	35	N	9091			
30-Oct-10	J	-	35	N				
31-Oct-10	F	1	58	N	9092			
31-Oct-10	M	2	66	N	9093			
31-Oct-10	M	2	80	N	9094			
31-Oct-10	M	2	78	N	9095			
31-Oct-10	F	1	66	N	9097			9096 WASTED
31-Oct-10	F	2	74	N	9098			
31-Oct-10	M	2	77	N	9101			9099/9100 WASTED
31-Oct-10	F	1	64	N	9102			
31-Oct-10	M	2	78	N	9103			
31-Oct-10	M	2	73	N	9104			
31-Oct-10	F	2	72	N	9105			
31-Oct-10	M	2	69	N	9106			
31-Oct-10	F	2	68	N	9107			
31-Oct-10	M	2	77	N	9108			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
31-Oct-10	M	2	67	N	9109			
31-Oct-10	F	1	67	N	9110			
31-Oct-10	M	2	65	N	9111			
31-Oct-10	M	2	84	N	9112			
31-Oct-10	M	2	77	N	9113			
31-Oct-10	F	2	70	N	9114			
31-Oct-10	M	2	78	N	9115			
1-Nov-10	M	2	84	N	9116			
1-Nov-10	F	2	74	N	9117			
1-Nov-10	F	2	77	N	9118			
1-Nov-10	F	2	73	N	9119			
1-Nov-10	F	2	70	Y	9120			
1-Nov-10	F	2	71	N	9121			
1-Nov-10	M	2	77	N	9122			
1-Nov-10	F	2	72	N	9123			
1-Nov-10	F	2	79	N	9124			
1-Nov-10	F	2	75	N	9126			9125 WASTED
1-Nov-10	F	2	72	N	9127			
1-Nov-10	F	2	76	N	9128			
1-Nov-10	F	2	74	N	9130			9129 WASTED
1-Nov-10	F	2	72	N	9131			
1-Nov-10	M	3	74	N	9132			
1-Nov-10	F	2	61	N	9133			
1-Nov-10	F	2	69	N	9134			
1-Nov-10	F	2	68	N	9135			
1-Nov-10	M	2	84	N	9136			
1-Nov-10	F	2	72	N	9137			
1-Nov-10	F	2	71	N	9138			
1-Nov-10	M	2	81	N	9139			
1-Nov-10	M	2	71	N	9140			
1-Nov-10	F	2	78	N	9141			
1-Nov-10	F	2	69	N	9142			
1-Nov-10	M	2	79	N	9143			
1-Nov-10	F	2	74	Y	9144			
1-Nov-10	F	2	67	N	9146			
1-Nov-10	F	2	76	N	9147			
1-Nov-10	M	2	77	N	9148			PREDATOR MARK
1-Nov-10	F	1	80	N	9149			
1-Nov-10	F	2	67	N	9150			
2-Nov-10	M	2	78	N	9151	80653	1	

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
2-Nov-10	M	3	70	N	9152	80653	2	
2-Nov-10	F	2	73	N	9153	80653	3	
2-Nov-10	F	2	71	N	9154	80653	4	
2-Nov-10	F	2	68	N	9155	80653	5	
2-Nov-10	F	2	70	N	9156	80653	6	
2-Nov-10	F	2	68	-	9157	80653	7	NO CWT CHECK
3-Nov-10	F	2	56	N	9158	80654	1	
3-Nov-10	F	2	76	N	9159	80654	2	
3-Nov-10	F	3	69	N	9160	80654	3	
3-Nov-10	F	2	62	N	9161	80654	4	
3-Nov-10	F	2	75	N	9162	80654	5	
3-Nov-10	M	2	75	N	9163	80654	6	
3-Nov-10	M	3	76	N	9164	80654	7	
3-Nov-10	M	3	73	N	9165	80654	8	
3-Nov-10	J	2	31	N				
3-Nov-10	J	2	33	N				
3-Nov-10	F	2	66	N	9166	80654	9	
3-Nov-10	F	1	72	N	9167	80654	10	
3-Nov-10	M	2	82	N	9168			
3-Nov-10	J	2	32	N				
3-Nov-10	F	2	74	N	9169			
3-Nov-10	F	2	67	N	9170			BLUEFOX SPINNER/BARBED HOOK IN MOUTH
3-Nov-10	F	2	73	N	9172			9171 WASTED
3-Nov-10	J	2	33	N				
3-Nov-10	F	2	72	N	9173			
3-Nov-10	F	2	52	N	9174			
3-Nov-10	J	2	33	N				
3-Nov-10	J	2	29	N				
4-Nov-10	M	2	87	N	9175	80655	1	
4-Nov-10	M	2	83	N				
4-Nov-10	F	3	69	N	9176	80655	2	
4-Nov-10	J	2	32	N	9177	80655	3	
4-Nov-10	M	2	80	N	9178	80655	4	
4-Nov-10	J	1	34	N				
4-Nov-10	M	2	76	N	9179	80655	5	
4-Nov-10	J	3	33	N				
4-Nov-10	J	2	34	N				
4-Nov-10	J	2	35	N				

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
4-Nov-10	J	2	31	N				
4-Nov-10	J	2	29	N				
4-Nov-10	J	2	31	N				
4-Nov-10	M	2	73	N	9180	80655	6	
4-Nov-10	M	2	85	N	9181	80655	7	
4-Nov-10	F	1	65	N	9182	80655	8	
4-Nov-10	M	3	77	N	9183	80655	9	
4-Nov-10	F	2	75	N	9184	80655	10	
5-Nov-10	F	2	69	N	9185	80656	1	
5-Nov-10	F	2	65	N	9186	80656	2	
5-Nov-10	F	2	64	N	9187	80656	3	
7-Nov-10	F	3	76	N	9188	80656	4	
7-Nov-10	M	2	45	N	9189	80656	5	
7-Nov-10	F	2	70	N	9190	80656	6	
7-Nov-10	F	2	70	N	9191	80656	7	
7-Nov-10	F	2	69	N	9192	80656	8	
7-Nov-10	F	2	68	N	9193	80656	9	
7-Nov-10	M	2	79	N	9194	80656	10	
7-Nov-10	F	1	77	N	9195			
7-Nov-10	J	2	30	N				
7-Nov-10	M	2	67	N	9196			
7-Nov-10	F	1	64	N	9197			
7-Nov-10	M	2	54	N	9198			
7-Nov-10	F	1	75	N	9199			
7-Nov-10	J	2	32	N				
7-Nov-10	J	2	35	N				
7-Nov-10	F	2	59	N	9200			
7-Nov-10	M	2	45	N	9201			
8-Nov-10	F	1	65	N	9202			
8-Nov-10	F	2	73	N	9203			
8-Nov-10	F	2	28	Y				
10-Nov-10	M	2	77	N	9204			
10-Nov-10	F	2	76	Y	9205			
10-Nov-10	F	2	67	N	9206			
10-Nov-10	F	2	65	N	9207			
10-Nov-10	F	2	64	N	9208			
10-Nov-10	F	1	67	N	9209			
10-Nov-10	F	3	77	N	9211			9210 WASTED
10-Nov-10	F	2	69	N	9212			
10-Nov-10	F	1	77	N	9213			

Sample Date	Sex	Condition	Length (cm)	CWT	Tag Number	Scale Book	Scale	Comment
10-Nov-10	F	1	68	N	9214			
10-Nov-10	F	2	73	N	9215			
10-Nov-10	J	2	29	N				
11-Nov-10	F	2	66	N	9216	80660	1	
11-Nov-10	F	1	70	N	9217	80660	2	