Monitoring freshwater mussel relocation in Deer Creek, Rocks State Park, Maryland: Year 4 results.

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Executive summary

In accordance with permit conditions of the Maryland Department of the Environment and contract conditions with the Maryland State Highway Administration, the Maryland Department of Natural Resources conducted a relocation of freshwater mussels in 2014. The effort removed mussels from within the direct impact and indirect impact areas associated with instream construction activities to stabilize Maryland Route 24, Section A, along Deer Creek in Rocks State Park, Maryland. Mussels were relocated upstream of the impact area into presumably suitable habitat based on the presence of mussels. The relocation also entailed development of a rigorous monitoring plan to evaluate its efficacy as a conservation strategy to minimize harm to mussels since this represents the first such effort of size and scope in Maryland. Initiating the monitoring plan required that 1) sites stocked with mussels (translocation) and sites stocked with no mussels (control) be surveyed before relocation with the same methods used in the removal area to estimate their initial population size and 2) individual mussels be marked with uniquely numbered tags to track their condition over time. Baseline surveys at translocation sites also characterized the spatial distribution of mussels within sites to guide their stocking in a manner that reflected this pattern. This report summarizes the findings from 2017 mussel relocation monitoring surveys, assesses the relocation's efficacy by synthesizing results from three years of mark-recapture sampling, and makes recommendations for future relocations based on the findings. Due to the complex nature, results of freshwater mussel survival and population growth modeling from mark-recapture data are presented in Attachment I.

In 2017, we surveyed the removal site over four days (August 14-15 and 23-24). We collected 1,152 *Elliptio complanata* (Eastern elliptio) and three *Strophitus undulatus* (Creeper). Of the Eastern Elliptio, 31 were marked with shellfish tags indicating they had recolonized the site since being relocated in 2014. We affixed shellfish tags and a PIT tag to two of the Creeper. In general, sections within the removal area that contained the most mussels in prior years contained a relatively high number of mussels in 2017. We surveyed three control sites over three days (August 25, 31, and September 12) and collected 376 Eastern elliptio and two Creeper. Of these, 266 (71%) were previously marked with shellfish tags. Population estimates at sites were similar across years. Patterns of relative abundance within and among sites were similar between years. We surveyed five translocation sites over three days (August 28, 30, and September 12) and collected 530 Eastern elliptio and one Creeper. Of the Eastern elliptio, 356 (67%) were previously marked with shellfish tags. Population estimates at sites varied among years while patterns of relative abundance within and among sites were similar between years.

Results from the removal survey and three years of monitoring in the removal area suggest we achieved the main objective of removing a majority of the mussel population that was previously observed at the substrates surface. With three removal passes, counts of mussels were depleted (≥80% reduction) in most sections except for the area with the highest concentration of mussels where they remain numerous and sections with the lowest concentration of mussels where they were difficult to detect. A comparison of total mussel abundance and estimated population size across years indicates the population was depleted in size by 68-75% from the removal survey, which is approximately 90% of the target depletion. Two-pass population estimates were 52 to 60% lower since removal. While these estimates illustrated relatively narrow confidence intervals our detection probabilities were low in each year. Estimating population size in highly clustered animals, like mussels, can be difficult and influenced by survey method and environmental factors. Mussels at the surface that were missed during the removal may in part account for the numbers

observed in subsequent surveys. A portion of the population was also likely buried and not detectable during the removal or monitoring surveys using our methods. Because of these limitations, comparing estimated population size over time may not be an appropriate measure of mussel removal success. Refinement of the methods used in this study for future mussel removals should include additional survey passes within habitat of high abundance to help ensure effort is focused in the areas of greatest potential resource impact.

Results from the third year of monitoring at translocation and control sites were not as clear. Estimated population sizes from two-pass surveys at all translocation sites except one in 2017 were below the targeted size resulting from relocation in 2014. Over the course of study, population estimates at some translocation sites varied by a factor of two while some sites exhibited consistently low estimates. In contrast, the median estimated mussel population size of control sites exhibited little variability. Capture probabilities were also variable among sites, but were generally stable over time. In addition to recapturing just one Creeper over three years we also found four more naïve individuals in 2017. They continue to be rare and difficult to detect in Deer Creek. Low capture probability due to year to year differences in flow, water temperature, or observer experience could affect the population estimates observed at translocation sites, although this should have been reflected at control sites. Another reason fewer mussels were detected could be from downstream movement due to the relocation. We observed little evidence of movement for mussels recaptured within translocation and control sites. However, we have encountered relocated mussels downstream in other translocation sites 47 times in contrast to just once at control sites and relocated mussels over 1000 m downstream of their initial point of relocation. This suggests that mussels moved into recipient habitat may not fully acclimate to their new surroundings and be susceptible to displacement from high flow events. We observed just 21 dead, tagged mussels among all monitoring sites during monitoring events over three years, suggesting other factors (i.e., low capture probability or vertical movement) may account for the apparent decline in estimated population size.

Introduction

Freshwater mussels are the most imperiled faunal group in North America. Nearly two-thirds of the continent's approximately 300 species are extinct, endangered, or declining (Williams et al. 1993). In Maryland, 14 of the state's 16 mussel species are listed as rare, threatened or endangered (Maryland Department of Natural Resources 2016). *Elliptio complanata* (Eastern elliptio) is the most common mussel species in Maryland (Bogan and Ashton 2016). It is considered relatively secure in the state (Maryland Department of Natural Resources 2016) and throughout most of its global range (NatureServe 2014). Still, its distribution and abundance has declined in various parts of the Mid-Atlantic (Strayer and Fetterman 1994). Streams that support it in high abundance like Deer Creek are uncommon in Maryland and indicative of high quality conditions (Maryland Biological Stream Survey 2014). *Strophitus undulatus* (Creeper) is a widely distributed, yet uncommon species in Maryland (Bogan and Ashton 2016). Although it is globally secure (NatureServe 2014), it is typically found in low abundance in Maryland and is thus considered in need of conservation (Maryland Natural Heritage Program 2013).

Mussel relocation has been used as a conservation strategy for decades. For years, its efficacy was largely unknown because the ecology of most species was poorly understood. In a review of 37 projects, Cope and Waller (1995) reported that average survival for relocated mussels was approximately 50%. Only a few of these relocations were monitored and mussels recapture rate was often low. Subsequent studies found survival could be improved by decreasing handling and exposure times (Waller et al. 1995), relocating into suitable habitat (Hamilton et al. 1997), and stocking at appropriate density (Bolden and Brown 2002). A more recent assessment with near complete recapture suggested that short-distance relocation has little negative effect if mussels are placed in appropriate habitat (Tiemann et al. 2016). Many resource management agencies have developed mussel relocation guidelines to minimize the potential negative effects of relocation using these findings (e.g., Piette 2005, Mackie et al., 2008, Luzier and Miler 2009).

Assessments of freshwater mussel relocation success are hampered by low detection probabilities because mussels often exist at very low densities, are buried beneath the substrates surface, or in habitats difficult to survey. The probability of capture can be improved with the use of quantitative sampling designs (Strayer and Smith 2003). Sediment excavation is typically used to account for low capture probabilities and imperfect detection because a portion of the population is below the substrate and may be missed by qualitative, visual searches (Amyot and Downing 1997, Watters et al. 2001). However, visual searches are more cost-effective and suggested over quantitative sampling when the objective is to find rare species or track the fate of animals over time (Strayer et al. 1997, Metcalfe-Smith et al. 2000). Incorporating aspects of quantitative sampling, such as defining the survey area, can help overcome some limitations of qualitative sampling. Recapture rates of mussels can be improved using Passive Integrated Transponder (PIT) tag technology (Kurth et al. 2007, Hua et al. 2015, Tiemann et al. 2016). Increasing the quantity and quality of data should provide more accurate estimates of mussel survival, thus making the method ideal for monitoring relocated mussels.

Deer Creek is a 4th order tributary of the lower Susquehanna River in Harford County, Maryland. It is designated as a Scenic River, which requires the state protect and enhance its qualities (Maryland Natural Resources Article, 8-402). Land use upstream of the survey area is primarily agricultural (54%), with lesser amounts of forested (30%) and urban areas (15%) (Homer et al. 2007). The reach of stream is afforded further protection under the Maryland Clean Water Act

because it supports healthy biological communities and its designated use (Code of Maryland 26.08.02.04). Maryland Route 24 runs parallel to Deer Creek and the bedrock valley wall within Rocks State Park (Figure 1). Stream bank sloughing created concern that the road could fail without bank armoring, which required impacts to Deer Creek including temporary fill, excavation, and dewatering. Prior surveys in this reach of stream indicated patches of habitat supported mussels in high abundance (U.S. Fish and Wildlife Service unpublished data, Maryland Natural Heritage Program 2013). The potential take of a state listed mussel and alteration to its habitat necessitated the removal of mussels from the area of impact. Our main objectives were to 1) remove as many mussels as feasible from the direct and indirect impact areas, 2) minimize risk of relocation failure by stocking mussels in appropriate habitat and abundance, and 3) evaluate the action by monitoring the condition and fate of mussels over time.

Methods

Study sites

The upper and lower extent of sites were marked with surveyors flagging and recorded with a Global Positioning System unit (Garmin Vista H). Each site was divided into sections that were 10 meters (m) long and approximately one half the wetted stream width to manage survey logistics and guide stocking of mussels within translocation sites. The removal site was approximately 380-m-long, beginning 30 m downstream of the direct impact area and ending 10 m upstream of the direct impact (Figure 2). Due to the lateral buffering of the direct impact area the survey included the entire width of the stream. Five, 40-m-long translocation sites were located upstream of the removal site (Figure 2). We stocked mussels within 10-m-long sections at these sites in proportion to their abundance observed during baseline surveys to reduce the potential effects of mussels being placed into unsuitable habitat. We limited the number of additional mussels each translocation site could receive to three times its initial population estimate to diminish the potential that the new abundance might exceed resource availability (Cope et al. 2003). Four, 40-m-long control sites were located upstream of the translocation sites (Figure 3).

Survey methods

From July-September, we conducted timed, visual searches at sites in Deer Creek during periods of low flow and water visibility ≥2 m. Mussels at the substrates surface were collected using visual survey techniques, including snorkeling, glass-bottom view buckets, and SCUBA. Typically, an individual 10-m-long section was searched by four to six observers who were aligned perpendicularly with the stream bank and sampled in an upstream direction (Figure 4). We attempted to equalize sampling effort within and among sections by limiting effort to approximately 0.5 person-hours. We identified mussels using taxonomic standards (Turgeon et al. 1998, Bogan and Ashton 2016). The number of observers, mussels collected by species, and time spent searching within a section was recorded upon its completion. We used two-pass depletion sampling at sites to estimate population size and capture probability (Seber and LeCren 1967). Population size (*N*), probability of capture (*p*), and variance of *N* are calculated as:

(eq. 1) $N = C_1^2 / (C_1 + C_2)$

(eq. 2) $p = C_1 - C_2 / C_1$

(eq. 3) variance of $N = C_1^2 \times C_2^2 (C_1 + C_2) / (C_1 - C_2)^4$

Monitoring

We resurveyed the removal site to assess the efficacy of our multiple-pass depletion survey approximately one, two, and three years later. This was accomplished by comparing 1) the total catch and two-pass population estimates of mussels collected within the direct impact area over time and 2) the total catch within sections between survey years. The later also allowed us to investigate if the change in estimated population size was influenced by patterns of within site variability in depletion or even recolonization.

A mark-recapture sampling design was employed to track the fate of individual mussels within translocation and control sites and allow estimation of population demographics, like population growth, survival, and recruitment after a minimum of three survey events (e.g., Villella et al. 2004). After collection and identification, mussels were processed at centralized stations following procedures to minimize exposure by holding them in flow through live wells or aerated coolers with routine changes of stream water. To track rates of growth, all tagged mussels collected at the removal site and monitoring sites were measured to the nearest millimeter (mm) with dial calipers. In 2015 and 2016, mussels collected without tags (i.e., naive) at monitoring sites were marked with a uniquely numbered vinyl (Hallprint) shellfish tag affixed to each valve with cyanoacrylate adhesive. We also externally affixed and encapsulated a 12 mm 134.2 kilohertz half duplex PIT tag in surface insensitive gel cyanoacrylate (LOCTITE; Henkel Corp., Rocky Hill, Connecticut or Turbo Fuse; Palm Labs Adhesives, DeBary, Florida) to each Creeper to increase the probability of recapture in successive monitoring events. At least 20% of Eastern elliptio were also marked in the same way with PIT tags, including all individuals <50 mm in shell length. This cohort should exhibit more growth over time as opposed to larger mussels (i.e., Anthony et al. 2001). An accelerant (Turbo Set I, Palm Labs Adhesives) was used to reduce curing time to one minute per mussel. Prior to being returned to the stream, PIT tagged mussels were logged into portable readers to assure tags functioned properly.

For each site, we recorded the length, shellfish tag numbers, section, and survey pass for naïve and tagged mussels recovered from baseline surveys or the relocation. Length was not recorded for naïve mussels collected at monitoring sites in 2017 because the mark-recapture study was completed. Mussels were returned to the stream by placing them into the substrate anterior end down to mimic their natural orientation. We recorded the section within sites where we placed mussels along with their tag numbers to account for potential movement between years that might be due to monitoring (i.e., returning a mussel to a different section than their capture). Mussels marked with PIT tags were typically logged for a second time with a submersible wand after bedding them in the substrate.

Prior to 2017, we lacked the minimum number of sampling events to model population demographics so we evaluated the efficacy of the relocation indirectly in multiple ways. First, we compared the change in estimated population size at translocation and control sites from 2017 (N_{pop3}) to 2014 (N_{pop0}), 2016 (N_{pop2}) to 2014 (N_{pop0}), and 2015 (N_{pop1}) to 2014 (N_{pop0}). Since baseline populations at translocation sites were increased due to the relocation, we standardized population estimates and examined them as a rate of change (e.g., $N_{pop1} / N_{pop0} + N_{pop0} \times 3$). Observed mortality was calculated as the number of dead mussels recaptured divided by the total number of mussels recaptured. We compared the average change in shell length (e.g., $L_1 - L_0$, L_2

– L_1, etc.) for mussels recaptured at monitoring sites by the site of initial capture. Finally, we assessed movement of recaptured mussels within and among monitoring sites to assess whether the relocation may have influenced behavior. This was done by comparing the distance between locations of mussel release during baseline surveys or as a result of relocation with the location of their recapture in successive monitoring events. After collecting three years of post-relocation monitoring data through our mark-recapture study, we evaluated the potential effects of the relocation by modeling population survival and growth of relocated mussels and compared them to mussels monitored at control sites using Program MARK (White and Burnham 1999). The analytical methods, population modeling results, and interpretation are discussed separate from this report (Attachment I).

Results

Removal site

We spent 56.38 person-hours surveying the removal site in 2017 and collected 1,152 Eastern Elliptio. Average total survey effort per section was 1.16 person-hours. Mussel abundance and Catch Per Unit Effort (CPUE) was highly variable among sections in the removal site (Appendix III). Thirty-one Eastern Elliptio were marked with shellfish tags, indicating they were either previously relocated upstream of the removal site or collected as part of mark-recapture monitoring. Eighteen of these 31 mussels were previously found in the removal site in 2015 or 2016. Thirteen were relocated mussels recaptured in the removal site for the first time. The average movement of all recaptured mussels observed in the removal site during 2017 since the time they were first collected was 1,032 m downstream, and ranged up to 1,310 m. Recaptured Eastern Elliptio ranged in size from 24.0 to 83.0 mm. We recaptured 13 dead mussels in the removal site.

In 2017, we estimated a surface population of 1,159±44 mussels within the removal site (Table 1). This estimate was 50% less than the population estimate from the removal survey. The total number of mussels observed in 2017 represents a population depletion of 68% from the number of mussels observed in 2014. Capture probabilities were similar between years suggesting changes in abundance were not likely due to differences in detectability. A comparison between the number of mussels collected from the direct impact area in 2014 versus 2015, 2016, and 2017 illustrates an approximately 70% depletion in the total catch (Table 2). However, mussel catch remained high in most of the sections from 60 to 120 m (Figure 5).

Control sites

We spent 19.82 person-hours surveying for mussels at three sites in 2017. Average total survey effort per section was 0.86 person-hours. A total of 377 Eastern Elliptio were collected and of these mussels 237 were recaptured from a prior survey (Table 3). We also affixed shellfish and PIT tags to two, naive Creeper. Mussel abundance and CPUE was highly variable among sections within sites (Appendix II). Shell lengths of Eastern Elliptio recaptured in 2017 ranged from 43.6 to 88.8 mm. Three previously tagged mussels were found dead at control sites.

Population estimates and detection probabilities were highly variable among sites, but estimates were similar at a site from year to year, except at site C3 (Table 1). Site C4 was not surveyed in 2017 due to prior issues with establishing a valid baseline population estimate. We did not deplete mussels at C0 in 2017 so the population estimate was negative (invalid).

Capture probabilities for two-pass population estimates differed within sites from 0.13 to 1.03 and within years from 0.12 to 1.12.

Translocation sites

We spent 31.58 person-hours surveying at five sites in 2017. Average total survey effort per section was 0.88 person-hours. A total of 530 Eastern Elliptio and one Creeper were collected among the sites (Table 3). Of these mussels, a total of 355 Eastern elliptio were recaptured after being either relocated from the removal site or collected in baseline and monitoring surveys. Mussel abundance and CPUE was highly variable among sections within sites (Appendix II). Shell lengths of Eastern Elliptio recaptured in 2017 at translocation sites ranged from 40.2 to 100.0 mm. No previously tagged mussels from the relocation, baseline survey, or mark-recapture monitoring were found dead within translocation sites, but four were found in between sites.

Estimated population size was highly variable among translocation sites before and for each year following relocation (Table 1). For example, mussel abundance one year after relocation differed between T1 and T2 by an order of magnitude. In the second year, an apparent decrease in abundance at T1 and increase in T2 reduced this difference greatly. Population size at T2 was also at or below the pre-relocation size in two of the three years following relocation. In contrast, population size at T1, T4, and T5 was two or more times greater than the pre-relocation size in most years. Capture probabilities for two-pass population estimates differed within sites from 0.16 to 0.27 and within years from 0.26 to 0.54.

Relocation assessment

Less than 1% of all mussels tagged as a result of the relocation and monitoring effort were found dead over the course of the study. While we observed higher mortality for relocated mussels that were recaptured in 2017 compared to previous years this number represents just 1% of all tagged, relocated mussels. Relatively few unmarked, dead mussels have been found in any year following the relocation as well.

Median rate of estimated population size change among control sites over time was ≈ 1 (i.e., no change), suggesting changes observed at translocation sites could be attributable to manipulation of population size (i.e., stocking mussels). Median rate of change observed at translocation sites three years after relocation ranges from 2.13 to 2.63 times higher than the baseline survey estimate (Figure 6), which is approximately 50 to 60% less than the population size intended by the relocation. This pattern was largely driven by an apparent decrease in estimated population size at translocation sites (T2 and T3) that had the smallest baseline sizes. In contrast, the translocation sites with higher initial population estimates (T1, T4, and T5) saw a lesser magnitude of decrease in estimated population size over time.

Relocated mussels and those initially captured at translocation sites during baseline surveys exhibited less growth after one year than mussels initially captured at control sites during baseline surveys (Figure 7). Approximately 30% of the relocated mussels that were recaptured one year later exhibited negative growth compared to just 15% of mussels from baseline surveys at those same sites and 5% of mussels recaptured at control sites. In the second and third year following the relocation there were no apparent differences in annual growth among monitoring groups. A majority of recaptured mussels exhibited positive growth over the course of the study. On

average, growth in recaptured mussels over the three-year-long study was similar with slightly less growth observed in relocated mussels and more pronounced growth observed in mussels at control sites.

Movement of mussels between monitoring sites over the course of the study was infrequently observed (Table 4). A relatively small number of relocated mussels were displaced and recaptured in different monitoring sites. At control sites, just one mussel was recaptured in a different site and two mussels from baseline surveys at translocation sites were recaptured at different sites. Relocated mussels exhibited similar movement within sites compared to mussels initially collected at translocation sites (Figure 8). About half of the relocated mussels were recovered in the same section as they were released into previously and a majority of the remaining mussels were recaptured within the adjacent section. A small percentage of relocated mussels were recaptured 20 m or more downstream two and three years after stocking. Slightly more mussels from baseline surveys at control sites were located in the section downstream than in the same section as their original collection.

Discussion

Freshwater mussels exhibit patchy distributions within streams over space and time, which makes understanding their true population size difficult (Downing and Downing 1992, Strayer and Smith 2003, Meador et al. 2011). Various sampling designs have been assessed for their accuracy at predicting population size and the logistical complexity required to implement versus its precision (i.e., cost-benefit), but there are limited comparisons that illustrate when one method is more appropriate than another (Strayer and Smith 2003). The main goal of mussel relocation is to remove as many mussels, common or rare, as possible out of an impact area. Multiple pass depletion sampling is frequently recommended in mussel removal projects (e.g., Virginia Department of Game and Inland Fisheries 2015, Hart et al. 2016). Estimation of population size is possible using this method (Seber and LeCren 1967), which makes the method amenable to using because it can 1) determine pre-relocation population size and infer habitat quality at translocation sites and 2) monitor mussels at control sites to distinguish potential impacts of relocated mussels on mussels that occupy habitat at the translocation site. Mark-recapture sampling permits the estimation of population demography (i.e., survival and growth), which is essential to evaluating the success of a conservation action (Pradel and Henry 2007).

In 2014, we accomplished the primary goals of this project by 1) relocating a majority of the observed freshwater mussel population from the direct and indirect impact areas and 2) conducting the relocation in a manner to reduce causes of mortality often associated with the practice. The mussel community present within Deer Creek was almost entirely composed of Eastern Elliptio. Creeper, while present in at least one site in each part of the study area, was rare. The community composition, abundance, and size-structure documented were comparable to past surveys (U.S. Fish and Wildlife Service unpublished data). We observed evidence of recent (i.e., smaller mussels), and stable population demographics (i.e., normally distributed length-frequency), and mortality (i.e., fresh dead valves) throughout the study. Provided suitable habitat remains in the removal area following stream bank stabilization, mussels seem likely to repopulate this habitat. In addition to avoiding significant harm to an important biological resource, this situation presented the Maryland Department of Natural Resources and State Highway Administration a unique opportunity to conduct the removal and monitoring in a fashion

that could inform future resource conflict decisions without unnecessary risk to more imperiled mussel species.

Multiple-pass surveys in 2014 documented an 80% depletion in the total catch of mussels at the substrates surface in the direct impact area, which was a primary objective of this effort. The total catch in three subsequent years was an approximately 70% depletion of the total catch in 2014. Together, these lines of evidence suggest the removal survey effort may have been sufficient, albeit minimally, to deplete the population at the surface by 80%. In contrast, post-removal population estimates suggest that our effort was not sufficient to deplete the overall mussel population present in the impact area. This could be attributed in part to two factors. First, capture probabilities from two-pass surveys at the removal site imply a considerable proportion of the population was overlooked even though population estimate confidence intervals were small. Secondly, the removal survey began during a period of higher than median flow and lower water temperature, which may have resulted in a greater number of buried mussels. Mussel position (surface vs. buried) is influenced by multiple environmental variables (Amyot and Downing 1997). Mussels that went undetected during the removal may have been at the surface in subsequent surveys when flows were lower and temperature was higher.

We accomplished our secondary goal of evaluating the potential effects of the mussel relocation by using a mark-recapture sampling design to monitor the fate of mussels over time (Attachment I). Evaluating the success of past relocation efforts has been hampered by a lack of monitoring and poor recapture rates (Cope and Waller 1995). Recapture rates among monitoring sites ranged from 9% to 55% in the year following relocation and were on average 30%. The cumulative recapture rate among monitoring sites ranged from 26% to 50%, meaning up to half of all mussels observed at a site over three years were previously tagged as a result of the relocation or monitoring. We propose this may be a result of dividing our sites into smaller sections for surveying and relocation (e.g., Waller et al. 1993) rather than haphazard placement of mussels into translocation sites. Eight studies reviewed by Cope and Waller (1995) that relocated a comparable number of mussels (>1000) to our study recovered on average 10% of those mussels. This recapture rate is approximately one third of the average rate we observed at translocation sites one year after monitoring and similar to the rates observed in the second and third year after relocation.

Mortality following mussel relocation can be high, difficult to quantify, and is a major critique of using relocation as a conservation strategy (Cope and Waller 1995). Findings from evaluations of prior mussel relocations indicated that success may be dependent on multiple factors, including habitat, exposure, and mussel abundance (Waller et al. 1995, Waller et al. 1999, Dunn et al. 2000, Cope et al. 2003). We used population size and spatial distribution observed in baseline surveys to guide stocking of mussels at translocation sites in an attempt to reduce the potential that survival would be influenced by habitat quality and mussel abundance. Using this guide assumes that habitat with less mussels could be stocked with fewer additional mussels than habitat with more mussels (Hamilton et al. 1997, Bolden and Brown 2002). We observed negligible direct evidence of mortality in recaptured mussels one and two years after relocation, suggesting this assumption was at least partially valid. It is unclear what may have caused an increase in the observed numbers of dead, tagged mussels in 2017, but this number is minor (<1%) relative to the total number of relocated mussels. Horizontal movement of mussels is generally restricted to small distances (Kat 1982, Peck et al. 2014). We observed little movement of mussels among sites and a majority of their movement within sites was to an adjacent section suggesting they have

largely remained bedded in close proximity to the point of their release. Together, these findings indicate that at least some of the critiques often attributed to mussel relocation may have been minimized by following empirical and best practice guidelines.

Monitoring was conducted in a way that cannot evaluate short term mortality; however, had it been high we would expect to have observed more evidence in 2015. The apparent declines in observed population estimates relative to the intended population estimate after relocation at translocation sites while populations remained stable at control sites suggests that 1) a uniform stocking rate of relocated mussels may not be appropriate and 2) the quality of recipient site habitat may influence the ability of relocated mussels to "survive" (i.e., remain bedded and be available to future detection). Low capture probability may also negatively bias interpretation of population estimate change. For example, capture probabilities near 0.50 at a site indicate up to half of the mussels may have gone undetected; thus, annual population estimates under represent the true number of mussels present. Other factors, such as high flow events following relocation may cause mussel displacement and deserve further investigation (Stodla et al. 2017).

Incorporating technologies like PIT tags can improve recapture rate by including mussels that may be buried in the substrate (Kurth et al. 2007). Mussel reintroduction and relocation assessments that solely relied on PIT tags to recapture a small number of animals relative to our study were able to achieve nearly complete detection (Hua et al. 2015, Tiemann et al. 2016). Although we employed the PIT tag reader sparingly in sections of monitoring sites with very low mussel abundance, we have only recovered a handful of mussels that went undetected by visual surveys. On several of these occasions, we were unable to locate the mussel buried in the substrate after receiving a signal from its tag. The tag signal can be limited by the animal position, water chemistry, and mineral composition of substrate (Cooke et al. 2013). As a result, we gained little additional demographic data using this technology. The additional costs involved in adhering PIT tags to mussels (e.g., Ashton et al. 2017), equipment to search for mussels, and time spent searching may not be beneficial when a much larger number of mussels are traditionally tagged. We also observed a few mussels recaptured through visual surveys in the removal site with shattered PIT tags, which would make them undetectable to the tag reader. A combination of insufficient encapsulation in adhesive and the long distance traveled by these mussels likely contributed to tag damage.

Detecting rare freshwater mussels requires considerable survey effort or complex sampling designs (Strayer and Smith 2003). Capture probability further affects population demographic estimates and can vary by species, size, habitat, and season (Meador et al. 2011). In Mid-Atlantic streams, 1 person-hour was necessary to detect Eastern Elliptio at very low densities (<0.001 mussels / m^2) with high probability at 100 to 200-m-long sites (Strayer et al. 1997). In Midwestern streams, 2.5-4 person-hours were needed to detect all species present at 100 to 300-m-long sites (Metcalfe-Smith et al. 2000, Tiemann et al. 2009). How these relationships apply to species-poor streams of the Mid-Atlantic is unclear, but deserves further attention as the effort required to detect all species at a site is critical to designing surveys that seek to encounter rare species. Most 10-m-long sections we surveyed received >0.75 person-hours of total effort and just one 40-m-long monitoring site received <3.00 person-hours, yet mussel capture probabilities were variable across sites and years. While none of the Creeper that were relocated were recaptured during three subsequent monitoring events, they were detected within a section with as little as 0.27 person-hours of total effort, but up to 3.84 person-hours. We have no data indicating a majority of the Creeper population may or may not be buried and undetectable by visual survey methods,

although prior surveys in Deer Creek found 25% of Eastern Elliptio were buried in the summer (U.S. Fish and Wildlife Service unpublished data).

Key findings and recommendations

Even after expending considerable survey effort in 2014, a higher than expected number of mussels was observed within parts of the removal site in subsequent years. Side-by-side examination of the number of mussels collected suggests that sections with low initial abundance may be difficult to deplete along with sections with high abundance. Low rates of depletion or detection probabilities in particular habitat or for particular species may require additional survey effort (i.e., more search time or passes) to remove the target percent of a population. To adequately deplete mussels from direct impact areas, a minimum of three survey passes are needed. At least one week should separate removal survey passes to allow for previously buried mussels to have a chance at being detected at the surface.

In the absence of recent survey data (<10 years old) that can provide a measure of mussel abundance and habitat quality, baseline surveys are needed to establish if habitat can accept relocated mussels and at what rate of stocking. When conducting short-distance relocations within streams, translocation sites should be areas with high pre-relocation mussel abundance. Habitat with low abundance (<50 mussels, <25 mussels-hour) or imprecise population estimates (CI >50% N_{pop0}) may represent unsuitable relocation sites. As a precaution, lower stocking rates should be considered in habitat with low abundance to avoid local relocation failure or the habitat should only be used to relocate mussels after more suitable habitat has been exhausted.

Total survey effort >1 person-hour may be needed at small spatial scales (e.g., 100 m^2) to detect species, like Creeper, that exist at very low abundance with high probability. In this study, we encountered half of the Creeper in a section after the first pass of the survey. Detection at some sites was not until the third or fourth year of monitoring. Their persistent, yet variable presence over space and time highlights the importance of having recent survey data and an understanding of the data's limitations to make conclusions about species absence.

When a large number (i.e., 1000's) of traditionally marked mussels are relocated and monitored, PIT tagging them does not appear to provide sufficient additional information relative to the extra costs associated with adhering PIT tags or searching. PIT tags appear best suited for detecting mussel species that are small, have cryptic life histories, or are at low abundance.

Each year following relocation, we observed minor recolonization of the removal site due to long-distance movements (>1000 m) of relocated mussels. About half of these mussels were moved during a single event (July 23, 2014), which preceded a sharp rise in the hydrograph due to precipitation. While horizontal movement of mussels is generally restricted to small distances, but long-distance movement between patches of mussel habitat are unknown. This deserves further inquiry to better inform mussel relocation monitoring plans because an observed decline in population size could be due in part to displacement rather than mortality.

An assessment of shell measurement variability should be made prior to conducting mussel removals to account for potential differences due to investigator error. We have noted a small number of large, recaptured mussels with shell lengths near a multiple of 10 (e.g., 79.2 mm) with growth rates of ±10 mm between years. Given these animals are mature and near the asymptote

of their expected growth curve such deviations from expectations were likely due to a measurement or error. Having multiple investigators measure and then re-measure the same batch of mussels could better quantify variability associated with how mussels are measured.

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Rebecca Bourquin, Patrick Graves, Katherine Hanna, William Harbold, Kyle Hodgson, Tomas Ivasauskas, Jay Kilian, Kaitlyn Sandy, Kyle Sullivan, Jacob Oster, Dave Sanderson-Kilchenstein, and Sara Weglein collected data along with the report authors. Kyle Sullivan was particularly helpful with compiling and reviewing monitoring data. We also thank those partners who assisted with the survey including Martha Stauss, Mark Lewandowski and Jim Thompson with Maryland Department of Natural Resources, Julie Devers, Ray Li, Trevor Clarke, and interns with U.S. Fish and Wildlife, Laurel Brinker and Carrie O'Reily.

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Table 1. Population size and capture probabilities from freshwater mussel surveys in Deer Creek. Abundance estimates (± 95% confidence intervals) are calculated from two-pass surveys at removal and monitoring sites.

Site	Estimated abundance (±95% CI)				Capture probability			
	2014	2015	2016	2017	2014	2015	2016	2017
Removal	2,444±169	1,172±154	984±92	1,159±44	0.50	0.45	0.53	0.68
T1	83±15	322±50	176±7	235±23	0.64	0.54	0.81	0.66
T2	41±9	33±7	63±4	45±2	0.66	0.70	0.80	0.87
T3	42±69	77±42	69±37	100±42	0.31	0.44	0.45	0.47
T4	76±94	200±34	162±33	246±148	0.30	0.57	0.56	0.33
T5	49±17	129±31	105±20	59±8	0.57	0.54	0.61	0.71
C0	37±13	24±6	40±20	-36±127	0.59	0.70	0.52	-0.33
C1	274±44	277±66	224±31	330±52	0.55	0.47	0.60	0.53
C3	68±4	140±15	124±8	93±7	0.82	0.69	0.77	0.79
C4	-64±593	45±3	---	---	-0.13	0.84	---	---

Table 2. Section-by-section comparison of total mussel catch within the removal site.

Section	No. mussels removed 2014	No. mussels observed 2015	Difference	Percent of 2014 catch	No. mussels observed 2016	Difference	Percent of 2014 catch	No. mussels observed 2017	Difference	Percent of 2014 catch
0 L	23	20	-3	47%	37	14	62%	33	10	59%
10 L	35	16	-19	31%	23	-12	40%	26	-9	43%
20 L	52	16	-36	24%	11	-41	17%	15	-37	22%
30 L	20	5	-15	20%	8	-12	29%	8	-12	29%
40 L	7	6	-1	46%	6	-1	46%	8	1	53%
50 L	37	13	-24	26%	23	-14	38%	18	-19	33%
60 L	54	25	-29	32%	21	-33	28%	26	-28	33%
70 L	92	30	-62	25%	30	-62	25%	55	-37	37%
80 L	52	78	26	60%	90	38	63%	103	51	66%
90 L	64	47	-17	42%	59	-5	48%	71	7	53%
100 L	62	23	-39	27%	18	-44	23%	30	-32	33%
110 L	442	31	-411	7%	41	-401	8%	78	-364	15%
120 L	111	86	-25	44%	102	-9	48%	150	39	57%
130 L	39	51	12	57%	27	-12	41%	55	16	59%
140 L	113	25	-88	18%	3	-110	3%	12	-101	10%
150 L	11	16	5	59%	9	-2	45%	12	1	52%
160 L	13	8	-5	38%	1	-12	7%	9	-4	41%
170 L	34	8	-26	19%	1	-33	3%	3	-31	8%
180 L	58	20	-38	26%	4	-54	6%	6	-52	9%
190 L	142	37	-105	21%	18	-124	11%	23	-119	14%
200 L	100	29	-71	22%	27	-73	21%	49	-51	33%
210 L	62	45	-17	42%	32	-30	34%	53	-9	46%
220 L	37	34	-3	48%	19	-18	34%	20	-17	35%
230 L	14	12	-2	46%	11	-3	44%	18	4	56%
240 L	31	7	-24	18%	9	-22	23%	6	-25	16%
250 L	34	9	-25	21%	6	-28	15%	11	-23	24%
260 L	113	13	-100	10%	5	-108	4%	9	-104	7%
270 L	71	8	-63	10%	5	-66	7%	7	-64	9%
280 L	59	9	-50	13%	5	-54	8%	8	-51	12%
290 L	69	6	-63	8%	10	-59	13%	13	-56	16%
300 L	109	12	-97	10%	10	-99	8%	10	-99	8%
310 L	13	13	0	50%	21	8	62%	24	11	65%
320 L	33	12	-21	27%	27	-6	45%	23	-10	41%
330 L	12	11	-1	48%	21	9	64%	14	2	54%
340 L	10	10	0	50%	12	2	55%	11	1	52%
350 L	6	9	3	60%	13	7	68%	14	8	70%
360 L	21	17	-4	45%	2	-19	9%	9	-12	30%
Total	2,255	817	-1,438	27%	767	-1,488	25%	1040	-1215	32%

Table 3. Summary of mussel relocation monitoring effort by survey site. The number of mussels collected in 2014 represent pre-relocation abundance. The number of mussels each translocation site could approximately receive in addition to existing populations was calculated from two-pass population estimates ($N_{pop0} + N_{pop0} \times 3$) based on recommendations of Cope et al. (2003). The number of mussels collected from 2015 to 2017 includes naïve and recaptured mussels. Number and percent recaptured indicates the tagged mussels found at a site each year during monitoring out of the total number of mussels previously tagged at the site. The number of PIT tagged mussels represents the number of naïve mussels affixed with a PIT tag at a site each year.

Site	No. collected 2014	No. mussels relocated	No. PIT tagged 2014	No. collected 2015	No. recaptured 2015 (%)	No. PIT tagged 2015	No. collected 2016	No. recaptured 2016 (%)	No. PIT tagged 2016	No. collected 2017	No. recaptured 2017 (%)
T1	72	248	53	254	122 (38)	63	170	109 (19)	45	207	157 (21)
T2	36	125	28	30	21 (13)	8	61	34 (18)	18	44	23 (9)
T3	22	133	21	53	31 (20)	10	48	24 (12)	13	82	49 (19)
T4	39	224	55	162	23 (9)	34	130	79 (19)	24	144	79 (14)
T5	40	145	60	102	52 (28)	26	89	35 (12)	23	54	37 (10)
C0	31	---	6	22	8 (26)	11	31	9 (17)	8	28	10 (12)
C1	220	---	57	200	85 (39)	55	188	104 (25)	48	258	163 (27)
C3	66	---	16	126	36 (55)	29	117	53 (28)	35	93	68 (22)
C4	17	---	17	44	4 (24)	16	---	---	---	---	---

Table 4. Patterns of movement between monitoring sites in tagged Eastern elliptio collected over the course of three capture-mark-recapture events. Negative values of distance (meters) indicate downstream movement.

Site of origin	2015 - 2014	2016 - 2014	2017 - 2014
	Percent of mussels recaptured within time period (average distance moved)		
Removal	3% (-125.31)	11% (-99.08)	12% (-126.21)
Translocation	0	4% (-210.00)	0
Control	0	1% (-160.00)	0

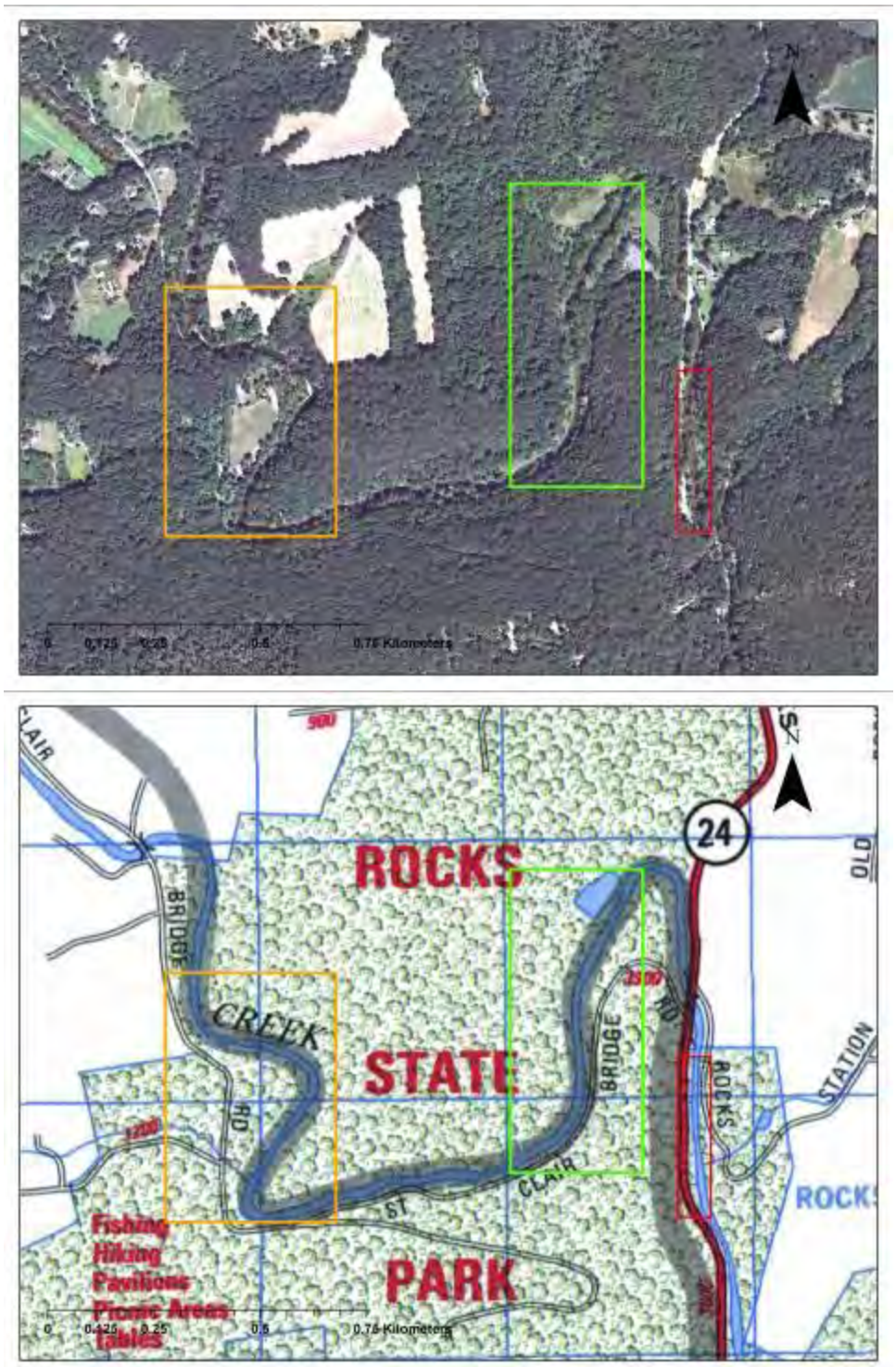


Figure 1. Freshwater mussel relocation study area, Harford County, Maryland. Approximate location of survey and monitoring areas are denoted in orange (control), green (translocation), and red (removal).

Figure 2. Locations of freshwater mussel translocation (green) and removal (red) sites in Deer Creek, Harford County, Maryland.

Figure 3. Locations of freshwater mussel control monitoring sites (orange), Deer Creek, Harford County, Maryland.

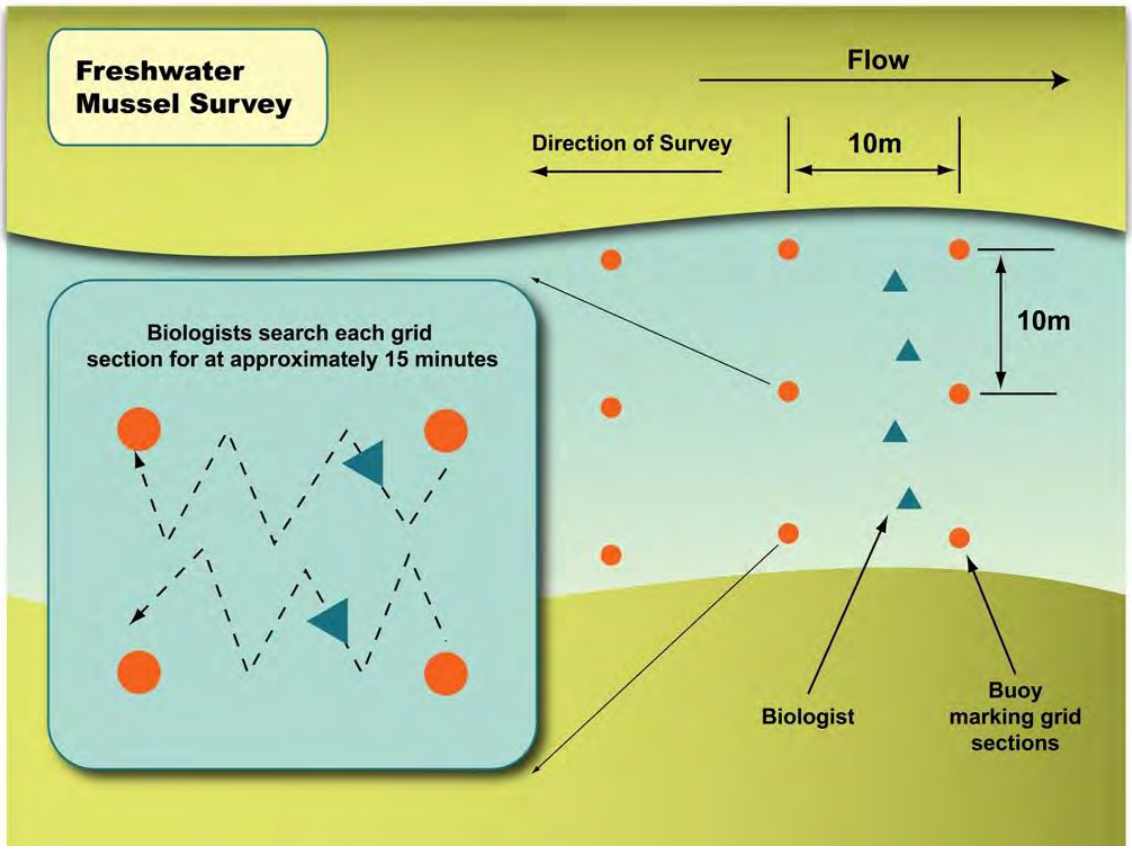


Figure 4. Schematic of a mussel survey pass within a section.

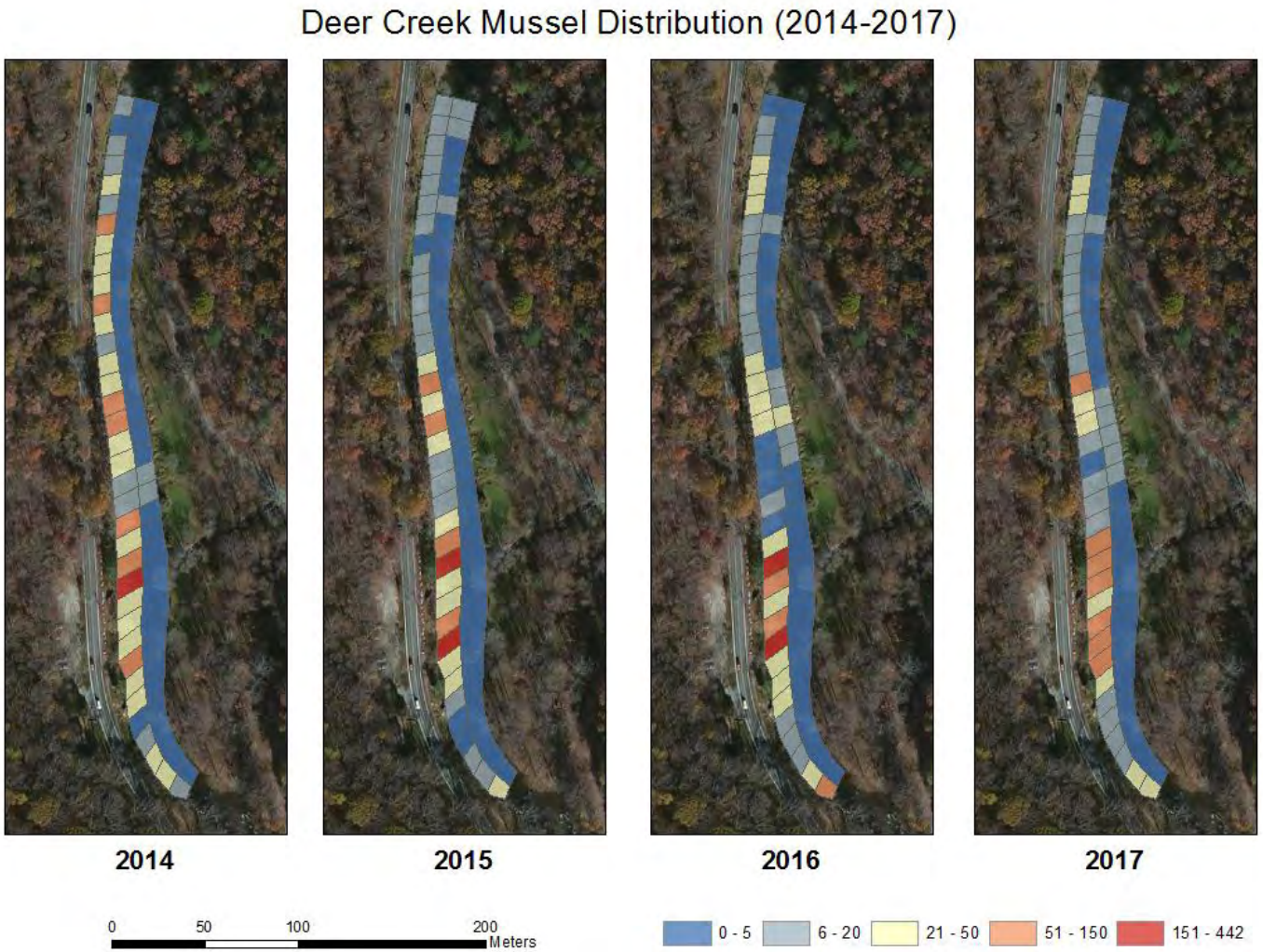


Figure 5. Spatial distribution and relation with mussel abundance within 10-m-long sections of removal survey site over time.

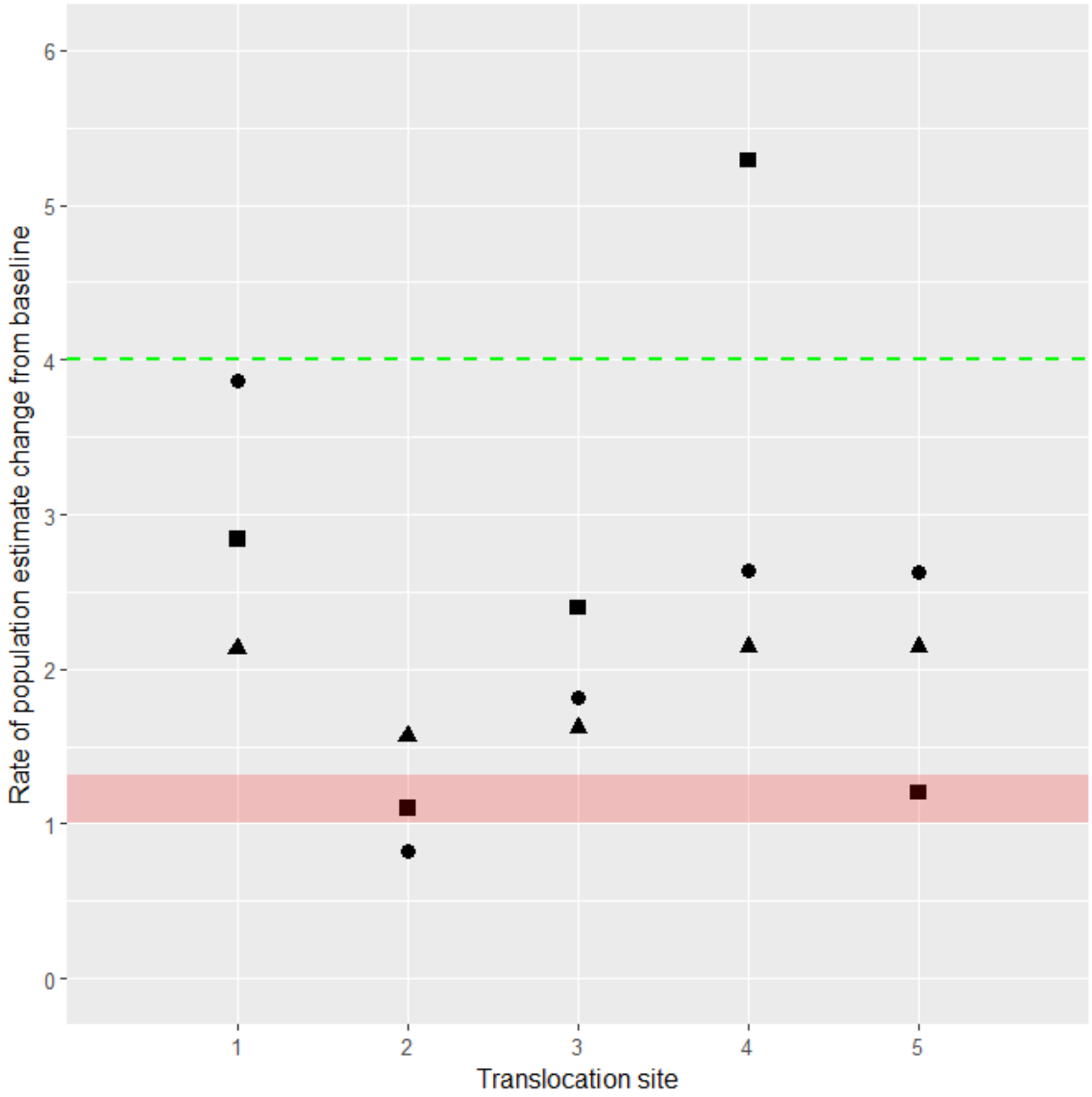


Figure 6. Standardized rate of change in estimated mussel population size from baseline to relocation at translocation sites. The dashed green line indicates the intended rate of population change from baseline surveys at all translocation sites resulting from the mussel relocation in 2014 ($N_{pop0} + N_{pop0} \times 3$). No change between time periods is equivalent to a rate of one. Rate of change for each monitoring period is indicated by symbols for 2015 to 2017 (circles), 2016 to 2014 (triangles), and 2017 to 2014 (squares). The red rectangle indicates the range in median rate of population change observed among control sites from 2017 to 2014 where no mussels were added to existing populations.

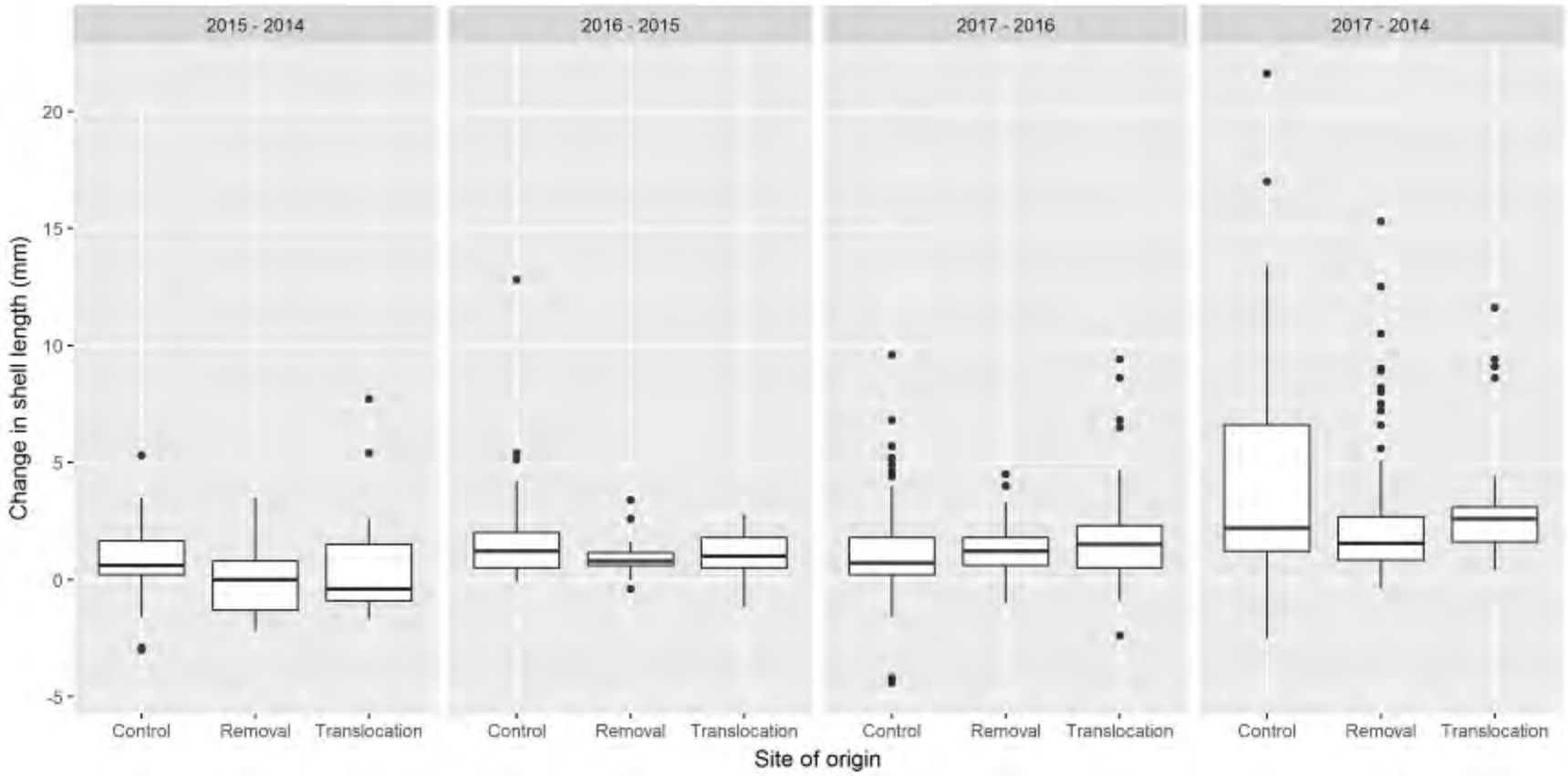


Figure 7. Box-and-whisker plots illustrating change in shell length (mm) for recaptured mussels by their site of initial capture by four time periods: 2015 to 2014 ($L_1 – L_0$), 2016 to 2015 ($L_2 – L_1$), 2017 to 2016 ($L_3 – L_2$), and 2017 to 2014 ($L_3 – L_0$). Mussels initially captured at the removal site were relocated to translocation sites in 2014 and recaptured in 2015, 2016, and 2017. Mussels initially captured at translocation sites prior to the removal were monitored in tandem with mussels relocated into these sites. Mussels initially captured at control sites were monitored in the same manor over the same time period, but the sites received no additional mussels.

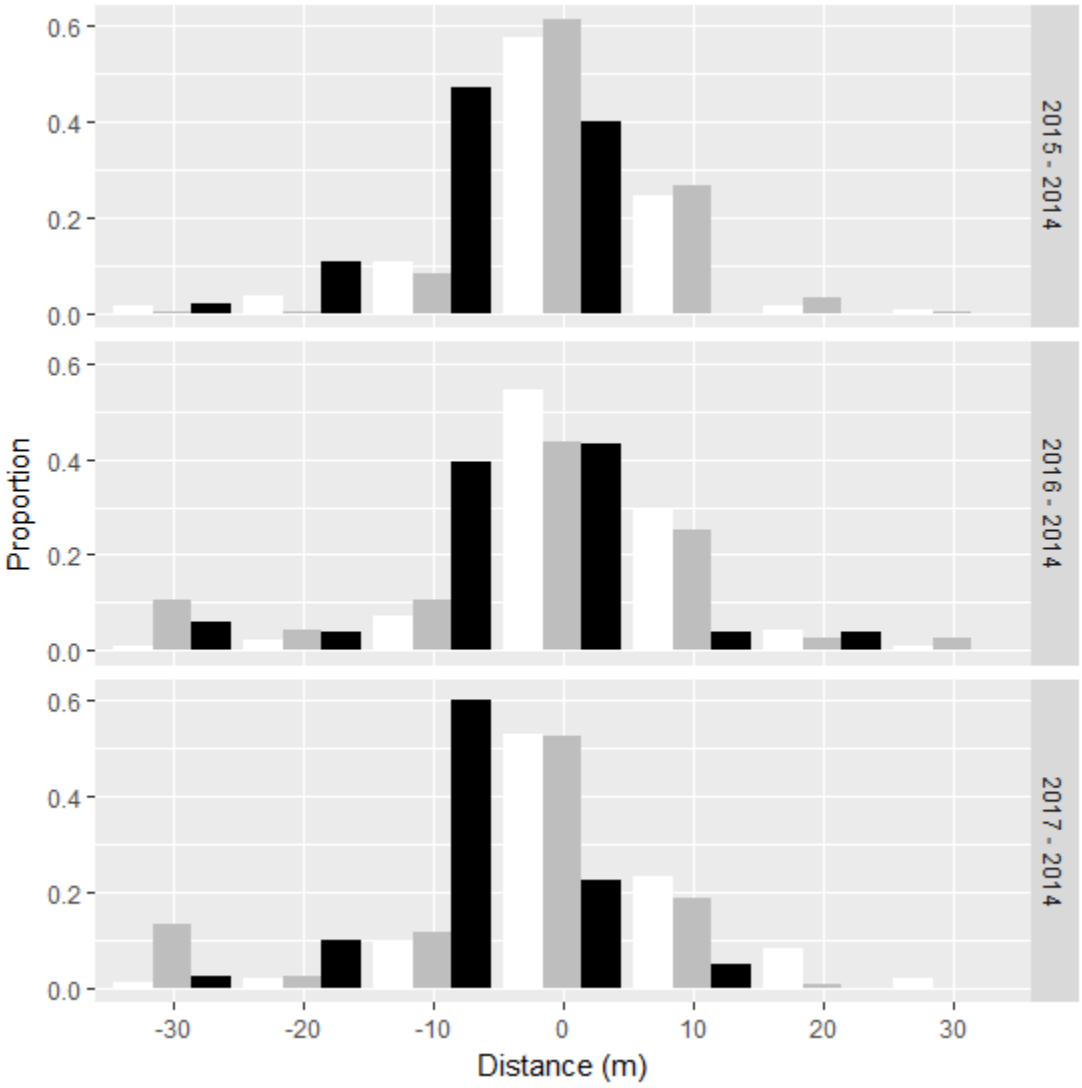
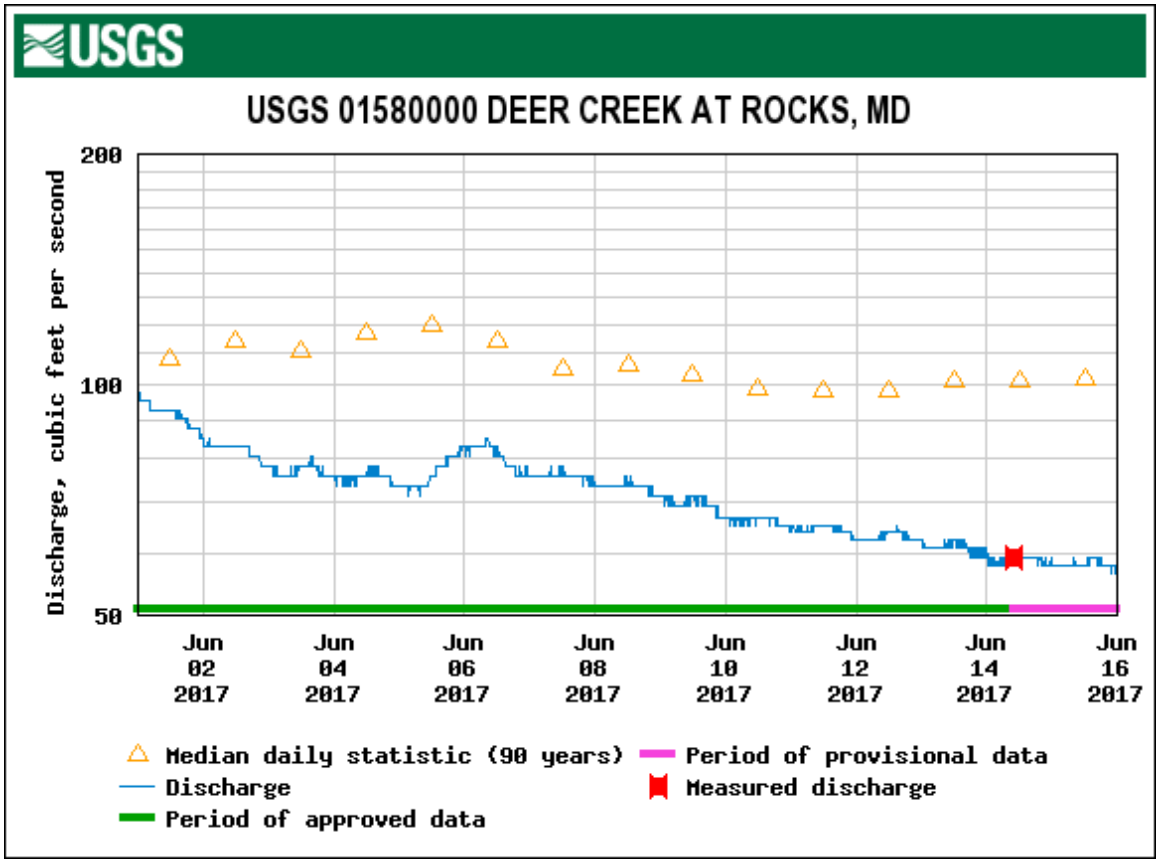
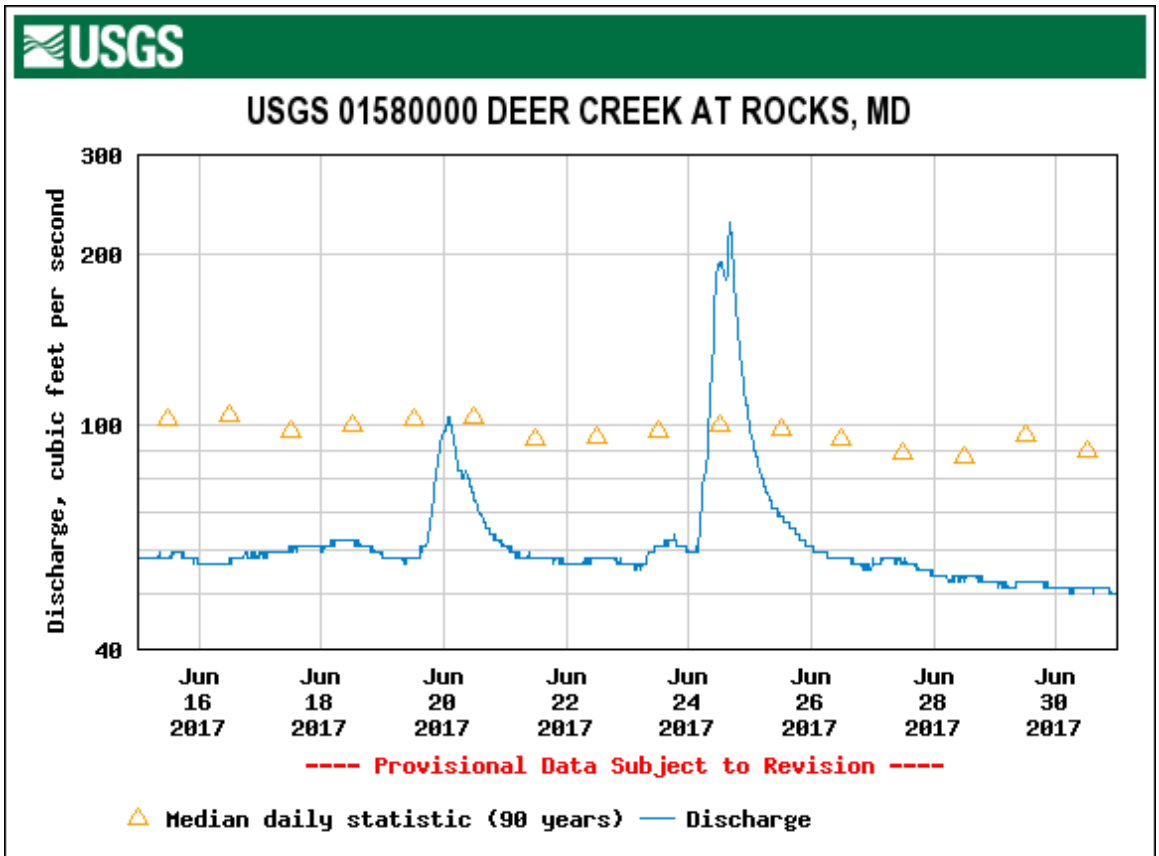
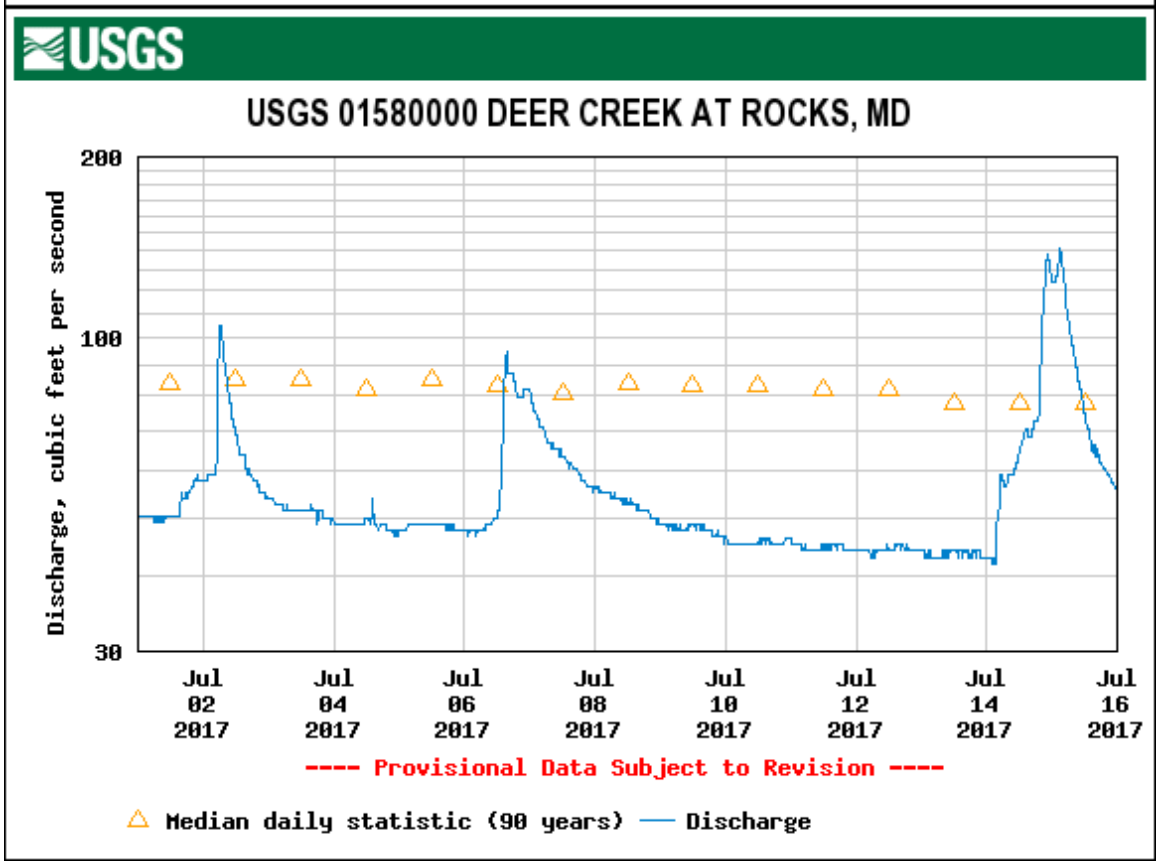


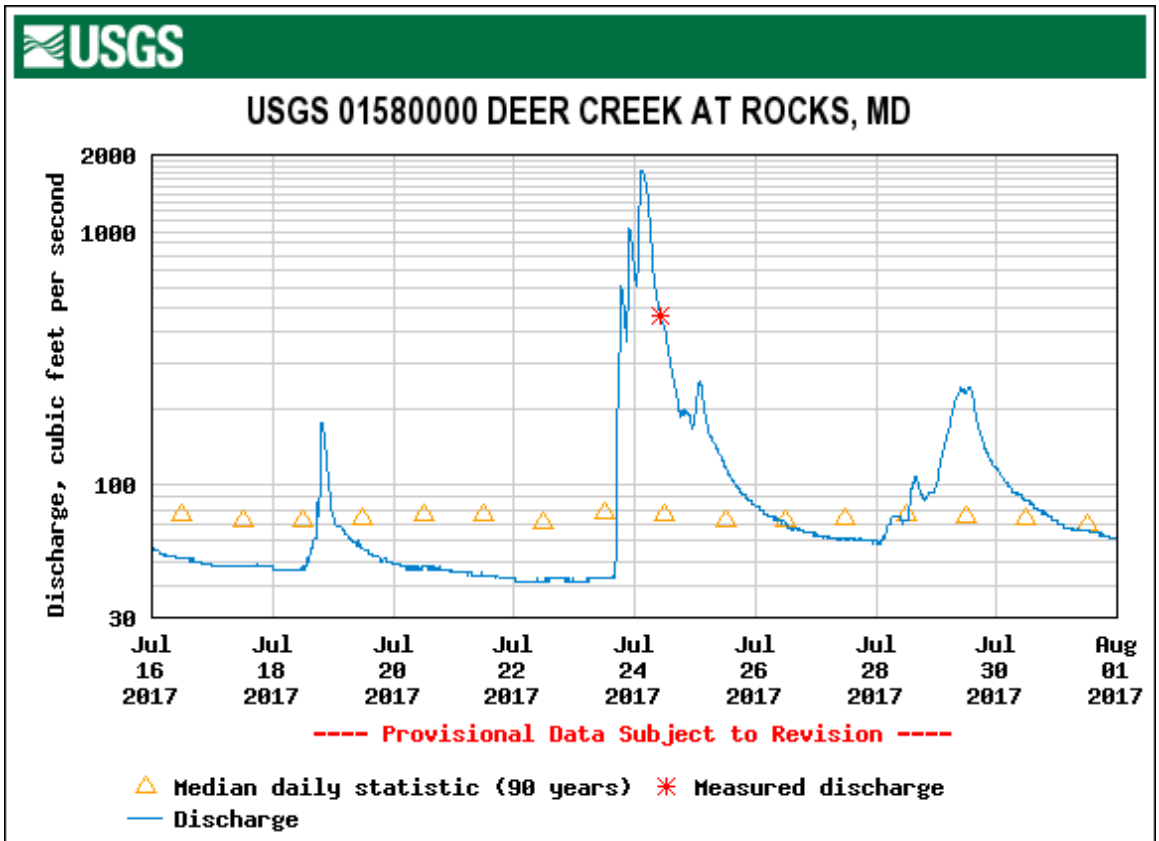
Figure 8. Proportion of mussels collected in baseline surveys of translocation (white) and control (black) sites or relocated into translocation sites (gray) that were recaptured (2015, 2016, and 2017) in a different 10-m-long section than the section they were released (2014). Negative values of distance represent recapture in a section that was downstream of the release section and positive values of distance represent recapture in an upstream section.

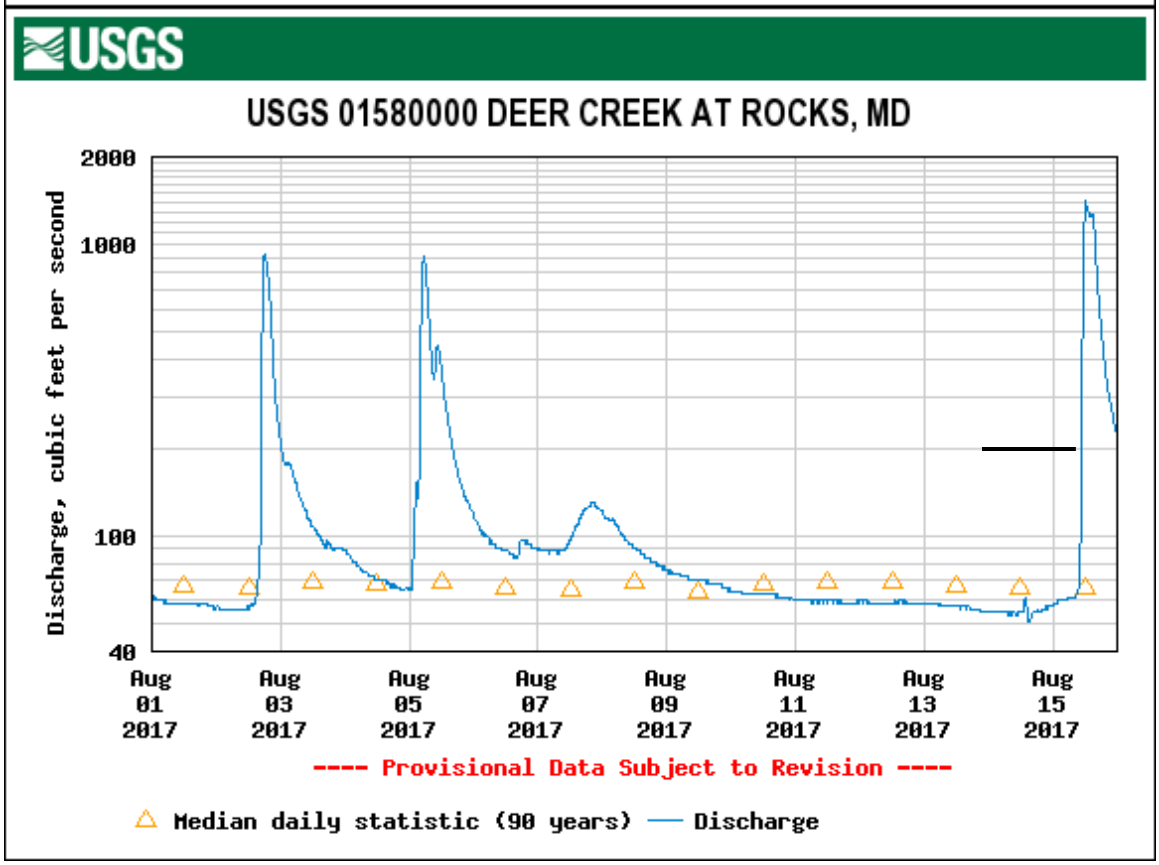
Appendix I. Stream discharge in Deer Creek at Rocks, Maryland. Gauging station (01580000) is located approximately 1.5 stream kilometers downstream of mussel removal site. Hydrographs are broken into approximately two-week intervals from June 1 to September 15, 2017. Survey periods are denoted with black horizontal lines.

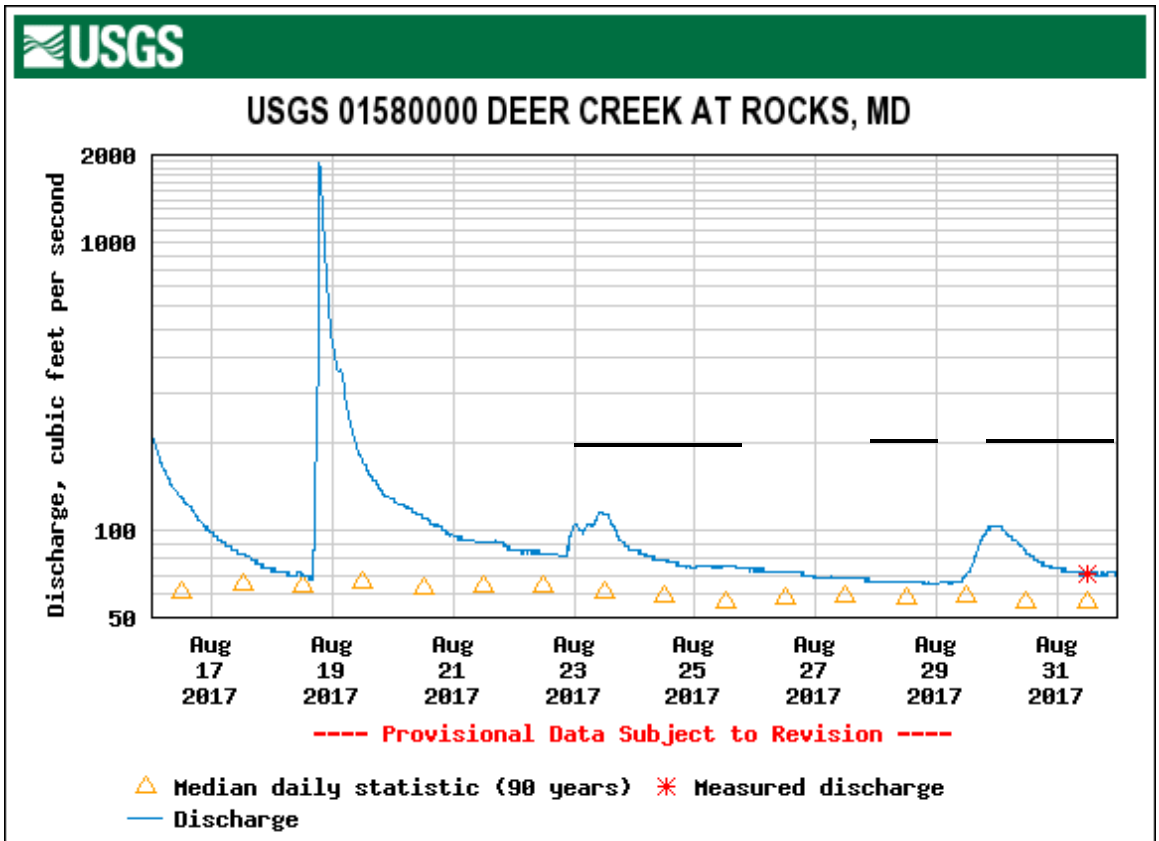


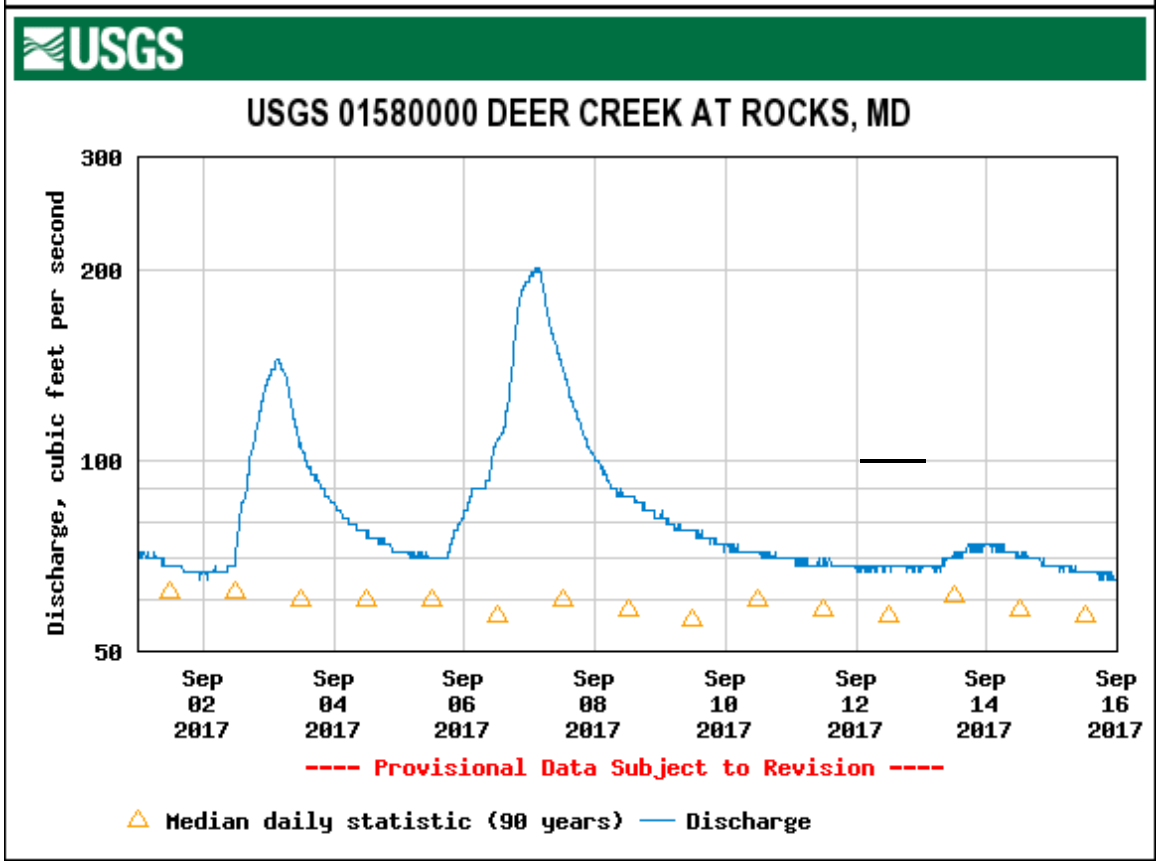

USGS
USGS 01580000 DEER CREEK AT ROCKS, MD
Discharge, cubic feet per second
300
200
100
40
Jun 16 2017
Jun 18 2017
Jun 20 2017
Jun 22 2017
Jun 24 2017
Jun 26 2017
Jun 28 2017
Jun 30 2017
---- Provisional Data Subject to Revision ----
Median daily statistic (90 years)
Discharge


USGS
USGS 01580000 DEER CREEK AT ROCKS, MD
Discharge, cubic feet per second
200
100
30
Jul 02 2017
Jul 04 2017
Jul 06 2017
Jul 08 2017
Jul 10 2017
Jul 12 2017
Jul 14 2017
Jul 16 2017
---- Provisional Data Subject to Revision ----
Median daily statistic (90 years)
Discharge


USGS
USGS 01580000 DEER CREEK AT ROCKS, MD
Discharge, cubic feet per second
2000
1000
100
30
Jul 16 2017
Jul 18 2017
Jul 20 2017
Jul 22 2017
Jul 24 2017
Jul 26 2017
Jul 28 2017
Jul 30 2017
Aug 01 2017
---- Provisional Data Subject to Revision ----
Median daily statistic (90 years)
Measured discharge
Discharge


USGS
USGS 01580000 DEER CREEK AT ROCKS, MD
Discharge, cubic feet per second
2000
1000
100
40
Aug 01 2017
Aug 03 2017
Aug 05 2017
Aug 07 2017
Aug 09 2017
Aug 11 2017
Aug 13 2017
Aug 15 2017
---- Provisional Data Subject to Revision ----
Median daily statistic (90 years)
Discharge


USGS
USGS 01580000 DEER CREEK AT ROCKS, MD
Discharge, cubic feet per second
2000
1000
100
50
Aug 17 2017
Aug 19 2017
Aug 21 2017
Aug 23 2017
Aug 25 2017
Aug 27 2017
Aug 29 2017
Aug 31 2017
---- Provisional Data Subject to Revision ----
Median daily statistic (90 years)
Measured discharge
Discharge


USGS
USGS 01580000 DEER CREEK AT ROCKS, MD
Discharge, cubic feet per second
300
200
100
50
Sep 02 2017
Sep 04 2017
Sep 06 2017
Sep 08 2017
Sep 10 2017
Sep 12 2017
Sep 14 2017
Sep 16 2017
---- Provisional Data Subject to Revision ----
Median daily statistic (90 years)
Discharge

Appendix II. Monitoring survey results at control and translocation sites by section.

	Control site 0			
	Pass 1		Pass 2	
Section	0 L	0 R	0 L	0 R
Time	5	6	5	4
No. observers	4	6	4	6
No. ELCO	0	2	1	2
CPUE	0.00	3.33	3.00	5.00
Section	10 L	10 R	10 L	10 R
Time	5	5	6	6
No. observers	4	6	4	6
No. ELCO	2	0	1	3
CPUE	6.00	0.00	2.50	5.00
Section	20 L	20 R	20 L	20 R
Time	5	5	6	7
No. observers	4	6	4	6
No. ELCO	0	2	2	4
CPUE	0.00	4.00	5.00	5.71
Section	30 L	30 R	30 L	30 R
Time	7	7	6	6
No. observers	5	5	5	5
No. ELCO	2	4	0	3
CPUE	3.43	6.86	0.00	6.00

	Control site 1			
	Pass 1		Pass 2	
Section	0 L	0 R	0 L	0 R
Time	3	12	3	7
No. observers	4	5	4	5
No. ELCO	5	20	0	10
CPUE	25.00	20.00	0.00	17.14
Section	10 L	10 R	10 L	10 R
Time	6	12	4	11
No. observers	4	5	4	5
No. ELCO	3	46	0	26
CPUE	7.50	46.00	0.00	28.36
Section	20 L	20 R	20 L	20 R
Time	5	11	5	10
No. observers	4	5	4	5
No. ELCO	1	59	1	21
CPUE	3.00	64.36	3.00	25.20
Section	30 L	30 R	30 L	30 R
Time	4	8	5	7
No. observers	4	5	4	5
No. ELCO	2	38	3	21
CPUE	7.50	57.00	9.00	36.00
No. STUN	2	0	0	0
CPUE	7.50	0.00	0.00	0.00

	Control site 3			
	Pass 1		Pass 2	
Section	0 L	0 R	0 L	0 R
Time	9	13	3	7
No. observers	6	6	6	6
No. ELCO	3	38	0	5
CPUE	3.33	29.23	0.00	7.14
Section	10 L	10 R	10 L	10 R
Time	7	11	3	7
No. observers	6	6	6	6
No. ELCO	2	20	0	7
CPUE	2.86	18.18	0.00	10.00
Section	20 L	20 R	20 L	2 R
Time	9	10	3	6
No. observers	6	6	6	6
No. ELCO	2	6	0	4
CPUE	2.22	6.00	0.00	6.67
Section	30 L	30 R	30 L	30 R
Time	6	8	3	5
No. observers	6	6	6	6
No. ELCO	0	6	0	0
CPUE	0.00	7.50	0.00	0.00

	Translocation site 1			
	Pass 1		Pass 2	
Section	0 L	0 R	0 L	0 R
Time	12	4	7	4
No. observers	5	5	5	5
No. ELCO	43	2	15	1
CPUE	43.00	6.00	25.71	3.00
Section	10 L	10 R	10 L	10 R
Time	5	3	7	3
No. observers	5	5	5	5
No. ELCO	91	0	29	0
CPUE	218.40	0.00	49.71	0.00
Section	20 L	20 R	20 L	20 R
Time	8	4	4	4
No. observers	5	5	5	5
No. ELCO	3	0	8	0
CPUE	4.50	0	24.00	0.00
Section	30 L	30 R	30 L	30 R
Time	5	4	9	3
No. observers	5	5	5	5
No. ELCO	15	0	0	0
CPUE	36.00	0.00	0.00	0.00

	Translocation site 2			
	Pass 1		Pass 2	
Section	0 L	0 R	0 L	0 R
Time	6	5	5	4
No. observers	5	5	5	5
No. ELCO	8	2	0	0
CPUE	16.00	4.80	0.00	0.00
Section	10 L	10 R	10 L	10 R
Time	6	6	4	4
No. observers	5	5	5	5
No. ELCO	13	3	0	1
CPUE	26.00	6.00	0.00	3.00
Section	20 L	20 R	20 L	20 R
Time	5	3	3	3
No. observers	5	5	5	5
No. ELCO	6	2	3	1
CPUE	14.40	8.00	12.00	4.00
Section	30 L	30 R	30 L	30 R
Time	5	5	3	4
No. observers	5	5	5	5
No. ELCO	5	0	0	0
CPUE	12.00	0.00	0.00	0.00

	Translocation site 3			
	Pass 1		Pass 2	
Section	0 L	0 R	0 L	0 R
Time	7	5	4	5
No. observers	4	4	4	4
No. ELCO	6	4	4	1
CPUE	12.86	12.00	15.00	3.00
Section	10 L	10 R	10 L	10 R
Time	7	6	6	8
No. observers	4	4	5	5
No. ELCO	12	6	4	1
CPUE	25.71	15.00	8.00	1.50
Section	20 L	20 R	20 L	20 R
Time	7	9	7	6
No. observers	4	4	4	4
No. ELCO	15	2	11	1
CPUE	32.14	3.33	23.57	2.50
Section	30 L	30 R	30 L	30 R
Time	4	7	4	5
No. observers	4	4	5	5
No. ELCO	12	0	3	0
CPUE	45.00	0.00	9.00	0.00

	Translocation site 4			
	Pass 1		Pass 2	
Section	0 L	0 R	0 L	0 R
Time	7	8	7	7
No. observers	4	4	4	4
No. ELCO	17	5	31	2
CPUE	36.43	9.38	66.43	4.29
Section	10 L	10 R	10 L	10 R
Time	7	8	7	7
No. observers	4	4	4	4
No. ELCO	26	3	14	3
CPUE	55.71	5.63	30.00	6.43
No. STUN	0	0	1	0
CPUE	0.00	0.00	2.14	0.00
Section	20 L	20 R	20 L	20 R
Time	5	7	4	7
No. observers	4	4	4	4
No. ELCO	2	6	1	2
CPUE	6.00	12.86	3.75	4.29
Section	30 L	30 R	30 L	30 R
Time	6	6	4	6
No. observers	4	4	4	4
No. ELCO	11	10	3	7
CPUE	27.50	25.00	11.25	17.50

	Translocation site 5			
	Pass 1		Pass 2	
Section	0 L	0 R	0 L	0 R
Time	7	6	7	8
No. observers	5	5	5	5
No. ELCO	12	6	1	3
CPUE	20.57	12.00	1.71	4.50
Section	10 L	10 R	10 L	10 R
Time	8	7	6	4
No. observers	5	5	5	5
No. ELCO	8	2	2	1
CPUE	12.00	3.43	4.00	3.00
Section	20 L	20 R	20 L	20 R
Time	7	8	6	4
No. observers	5	5	5	5
No. ELCO	1	7	2	0
CPUE	1.71	10.50	4.00	0.00
Section	30 L	30 R	30 L	30 R
Time	8	8	8	4
No. observers	5	5	5	5
No. ELCO	1	5	1	2
CPUE	1.50	7.50	1.50	6.00

Appendix III. Monitoring survey results from removal area by section.

	Pass 1		Pass 2	
Section	0 L	0 R	0 L	0 R
Time	6	5	7	---
No. observers	5	4	5	---
No. ELCO	17	2	16	---
CPUE	34.00	6.00	27.43	---
Section	10 L	10 R	10 L	10 R
Time	6	6	7	---
No. observers	5	4	5	---
No. ELCO	16	1	10	---
CPUE	32.00	2.50	17.14	---
Section	20 L	20 R	20 L	20 R
Time	7	7	6	---
No. observers	5	4	5	---
No. ELCO	10	2	5	---
CPUE	17.14	4.29	10.00	---
Section	30 L	30 R	30 L	30 R
Time	7	5	5	---
No. observers	5	5	5	---
No. ELCO	5	3	3	---
CPUE	8.57	7.20	7.20	---
Section	40 L	40 R	40 L	40 L
Time	6	4	6	---
No. observers	5	5	5	---
No. ELCO	3	0	5	---
CPUE	6.00	0.00	10.00	---
No. STUN	0	0	1	---
CPUE	0.00	0.00	2.00	---
Section	50 L	50 R	50 L	50 R
Time	7	4	7	---
No. observers	5	5	5	---
No. ELCO	10	0	8	---
CPUE	17.14	0.00	13.71	---
Section	60 L	60 R	60 L	60 R
Time	7	5	7	---
No. observers	5	5	5	---
No. ELCO	20	0	6	---
CPUE	34.29	0.00	10.29	---
Section	70 L	70 R	70 L	70 R
Time	11	3	11	---
No. observers	5	5	5	---
No. ELCO	26	0	29	---
CPUE	28.36	0.00	31.64	---
Section	80 L	80 R	80 L	80 R
Time	14	5	9	---
No. observers	5	5	5	---
No. ELCO	81	3	22	---
CPUE	69.43	7.20	29.33	---
Section	90 L	90 R	90 L	90 R
Time	15	4	11	---
No. observers	5	5	5	---
No. ELCO	57	0	14	---
CPUE	45.60	1.00	15.27	---
Section	100 L	100 R	100 L	100 R
Time	15	5	11	---
No. observers	5	5	5	---
No. ELCO	25	1	5	---
CPUE	20.00	2.40	5.45	---

	Pass 1		Pass 2	
Section	110 L	110 R	110 L	110 R
Time	16	4	10	---
No. observers	7	5	7	---
No. ELCO	55	0	23	---
CPUE	29.46	0.00	19.71	---
Section	120 L	120 R	120 L	120 R
Time	17	7	10	---
No. observers	7	5	7	---
No. ELCO	114	0	36	---
CPUE	57.48	0.00	30.86	---
Section	130 L	130 R	130 L	130 R
Time	9	4	9	---
No. observers	5	5	5	---
No. ELCO	43	2	12	---
CPUE	57.33	6.00	16.00	---
Section	140 L	140 R	140 L	140 R
Time	6	7	5	---
No. observers	5	5	5	---
No. ELCO	10	5	2	---
CPUE	20.00	8.57	4.80	---
Section	150 L	150 R	150 L	150 R
Time	5	6	5	---
No. observers	5	5	5	---
No. ELCO	12	4	0	---
CPUE	28.80	8.00	0.00	---
Section	160 L	160 R	160 L	160 R
Time	6	5	4	---
No. observers	5	4	4	---
No. ELCO	6	9	3	---
CPUE	12.00	27.00	11.25	---
Section	170 L	170 R	170 L	170 R
Time	6	5	4	---
No. observers	5	4	4	---
No. ELCO	3	6	0	---
CPUE	6.00	18.00	0.00	---
Section	180 L	180 R	180 L	180 R
Time	7	6	3	---
No. observers	5	4	4	---
No. ELCO	6	9	0	---
CPUE	10.29	22.50	0.00	---
Section	190 L	190 R	190 L	190 R
Time	9	5	6	---
No. observers	5	4	5	---
No. ELCO	21	9	2	---
CPUE	28.00	27.00	4.00	---
Section	200 L	200 R	200 L	200 R
Time	12	5	7	---
No. observers	5	4	5	---
No. ELCO	41	6	8	---
CPUE	41.00	18.00	13.71	---
Section	210 L	210 R	210 L	210 R
Time	9	4	6	---
No. observers	5	4	5	---
No. ELCO	47	1	6	---
CPUE	62.67	3.75	12.00	---

	Pass 1		Pass 2	
Section	220 L	220 R	220 L	220 R
Time	8	5	5	---
No. observers	5	4	4	---
No. ELCO	18	3	2	---
CPUE	27.00	9.00	6.00	---
Section	230 L	230 R	230 L	230 R
Time	9	4	4	---
No. observers	5	4	4	---
No. ELCO	14	6	4	---
CPUE	18.67	22.50	15.00	---
Section	240 L	240 R	240 L	240 R
Time	7	4	4	---
No. observers	5	4	4	---
No. ELCO	6	4	0	---
CPUE	10.29	15.00	0.00	---
Section	250 L	250 R	250 L	250 R
Time	9	4	4	---
No. observers	5	4	4	---
No. ELCO	10	3	1	---
CPUE	13.33	11.25	3.75	---
Section	260 L	260 R	260 L	260 R
Time	7	5	5	---
No. observers	5	4	4	---
No. ELCO	9	2	0	---
CPUE	15.43	6.00	0.00	---
Section	270 L	270 R	270 L	270 R
Time	7	5	3	---
No. observers	5	4	4	---
No. ELCO	7	3	0	---
CPUE	12.00	9.00	0.00	---
Section	280 L	280 R	280 L	280 R
Time	6	5	3	---
No. observers	5	4	4	---
No. ELCO	7	3	1	---
CPUE	14.00	9.00	5.00	---
Section	290 L	290 R	290 L	290 R
Time	5	5	5	---
No. observers	4	5	4	---
No. ELCO	10	4	3	---
CPUE	30.00	9.60	9.00	---
Section	300 L	300 R	300 L	300 R
Time	6	5	6	---
No. observers	4	5	4	---
No. ELCO	8	6	2	---
CPUE	20.00	14.40	5.00	---
Section	310 L	310 R	310 L	310 R
Time	6	5	6	---
No. observers	4	5	4	---
No. ELCO	15	4	9	---
CPUE	37.50	9.60	22.50	---
Section	320 L	320 R	320 L	320 R
Time	6	4	7	---
No. observers	4	5	4	---
No. ELCO	15	2	8	---
CPUE	37.50	6.00	17.14	---

	Pass 1		Pass 2	
Section	330 L	330 R	330 L	330 R
Time	5	4	4	---
No. observers	4	5	4	---
No. ELCO	13	2	1	---
CPUE	39.00	6.00	3.75	---
No. STUN	1	0	0	---
CPUE	3.00	0.00	0.00	---
Section	340 L	340 R	340 L	340 R
Time	5	2	2	---
No. observers	4	5	4	---
No. ELCO	10	1	1	---
CPUE	30.00	6.00	7.50	---
Section	350 L	350 R	350 L	350 R
Time	4	4	3	---
No. observers	4	5	4	---
No. ELCO	12	4	2	---
CPUE	45.00	12.00	10.00	---
Section	360 L	360 R	360 L	360 R
Time	5	4	4	---
No. observers	4	5	4	---
No. ELCO	8	2	1	---
CPUE	24.00	6.00	3.75	---
No. STUN	1	0	0	---
CPUE	3.00	0.00	0.00	---

Appendix IV. Deer Creek freshwater mussel relocation and monitoring data.

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	01-Jul-14	ELCO	75.8	C283	C282	5558	01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	66.0	C291	C290	553C	01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	77.1	C289	C288	5593	01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	58.3	C295	C296	5546	01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	67.2	C287	C286	557E	01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	65.9	C292	C294	5540				
T	1	10	01-Jul-14	ELCO	67.0	C285	C284	5558	01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	72.2	C293	C297	5559				
T	1	10	01-Jul-14	ELCO	63.9	C301	C300		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	74.9	C303	C302		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	50.9	C305	C304		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	61.1	C307	C306		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	59.1	C309	C308		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	59.7	C311	C310		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	62.9	C313	C312		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	73.0	C315	C314		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	71.0	C317	C316		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	64.9	C319	C318		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	64.9	C321	C320		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	79.7	C323	C322		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	46.7	C325	C324		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	63.0	C327	C326		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	55.4	C329	C328		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	65.6	C331	C330		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	58.6	C333	C332		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	67.9	C335	C334		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	50.7	C337	C336		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	63.3	C339	C338		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	54.9	C341	C340		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	70.4	C343	C342		01-Jul-14	T	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	01-Jul-14	ELCO	66.8	C345	C344		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	60.1	C347	C346		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	66.8	C349	C348		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	70.4	C351	C350		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	61.2	C353	C352		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	67.9	C355	C354		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	46.4	C357	C356		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	64.9	C359	C358		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	73.0	C361	C360		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	69.1	C363	C362		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	63.3	C365	C364		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	37.6	C367	C366		01-Jul-14	T	1	20
T	1	20	01-Jul-14	ELCO	59.6	F001	F000		01-Jul-14	T	1	30
T	1	20	01-Jul-14	ELCO	57.8	F002	F004					
T	1	20	01-Jul-14	ELCO	74.0	F005	F006		01-Jul-14	T	1	30
T	1	20	01-Jul-14	ELCO	56.8	F007	F008		01-Jul-14	T	1	30
T	1	20	01-Jul-14	ELCO	59.0	F009	F010		01-Jul-14	T	1	30
T	1	20	01-Jul-14	ELCO	66.6	F011	F012		01-Jul-14	T	1	30
T	1	30	01-Jul-14	ELCO	60.0	F013	F014	5539	01-Jul-14	T	1	40
T	1	30	01-Jul-14	ELCO	68.3	F015	F016		01-Jul-14	T	1	40
T	1	30	01-Jul-14	ELCO	62.2	F017	F018		01-Jul-14	T	1	40
T	1	30	01-Jul-14	ELCO	71.4	F019	F020		01-Jul-14	T	1	40
T	1	30	01-Jul-14	ELCO	43.3	F021	F022		01-Jul-14	T	1	40
T	1	0	01-Jul-14	ELCO	59.6	C369	C368		01-Jul-14	T	1	10
T	1	0	01-Jul-14	ELCO	64.8	C371	C370	553D	01-Jul-14	T	1	10
T	1	0	01-Jul-14	ELCO	62.2	C373	C372		01-Jul-14	T	1	10
T	1	0	01-Jul-14	ELCO	68.4	C375	C374		01-Jul-14	T	1	10
T	1	0	01-Jul-14	ELCO	61.4	C377	C376		01-Jul-14	T	1	10
T	1	0	01-Jul-14	ELCO	56.1	C379	C378		01-Jul-14	T	1	10
T	1	0	01-Jul-14	ELCO	71.0	C381	C380		01-Jul-14	T	1	10
T	1	0	01-Jul-14	ELCO	52.4	C383	C382		01-Jul-14	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	01-Jul-14	ELCO	69.7	C385	C384		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	69.8	C387	C386	555D	01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	57.1	C389	C388		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	50.1	C391	C390		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	66.3	C393	C392		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	72.7	C395	C394		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	67.6	C397	C396	5574	01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	67.6	C397	C396	5574	01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	64.4	C399	C398		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	18.5	C401	C400		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	63.3	C403	C402		01-Jul-14	T	1	20
T	1	10	01-Jul-14	ELCO	63.2	C405	C404	5573	01-Jul-14	T	1	20
T	2	0	02-Jul-14	ELCO	70.1	C407	C406		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	63.4	C409	C408		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	61.4	C411	C410		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	72.7	C413	C412		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	60.9	C415	C414	557A	02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	65.8	C417	C416		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	64.2	C419	C418		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	73.0	C421	C420		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	65.5	C423	C422		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	50.5	C425	C424	559A	02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	70.4	C427	C426		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	62.5	C429	C428		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	67.1	C431	C430		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	57.6	C433	C432		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	75.4	C435	C434	5552	02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	65.1	C437	C436		02-Jul-14	T	2	10
T	2	10	02-Jul-14	ELCO	63.3	C439	C438		02-Jul-14	T	2	20
T	2	10	02-Jul-14	ELCO	62.5	C441	C440		02-Jul-14	T	2	20
T	2	10	02-Jul-14	ELCO	70.1	C443	C442		02-Jul-14	T	2	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	2	10	02-Jul-14	ELCO	70.9	C445	C444	5565	02-Jul-14	T	2	20
T	2	10	02-Jul-14	ELCO	66.9	C447	C446		02-Jul-14	T	2	20
T	2	10	02-Jul-14	ELCO	68.1	C449	C448		02-Jul-14	T	2	20
T	2	10	02-Jul-14	ELCO	65.6	C451	C450		02-Jul-14	T	2	20
T	2	20	02-Jul-14	ELCO	50.7	C453	C452		02-Jul-14	T	2	30
T	2	20	02-Jul-14	ELCO	62.8	C455	C454	5595	02-Jul-14	T	2	30
T	2	30	02-Jul-14	ELCO	68.9	C457	C456		02-Jul-14	T	2	40
T	2	30	02-Jul-14	ELCO	63.9	C459	C458		02-Jul-14	T	2	40
T	2	10	02-Jul-14	ELCO	58.5	C461	C460		02-Jul-14	T	2	20
T	2	0	02-Jul-14	ELCO	71.0	C463	C462		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	62.8	C465	C464	5570	02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	61.5	C467	C466		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	69.7	C469	C468		02-Jul-14	T	2	10
T	2	0	02-Jul-14	ELCO	55.2	C471	C470		02-Jul-14	T	2	10
T	2	10	02-Jul-14	ELCO	62.0	C473	C472		02-Jul-14	T	2	20
T	2	10	02-Jul-14	ELCO	63.7	C475	C474	5545	02-Jul-14	T	2	20
T	2	20	02-Jul-14	ELCO	72.9	C477	C476		02-Jul-14	T	2	30
T	3	10	08-Jul-14	ELCO	69.5	F023	F024		08-Jul-14	T	3	20
T	3	10	08-Jul-14	ELCO	69.9	F025	F026		08-Jul-14	T	3	20
T	3	20	08-Jul-14	ELCO	57.5	F027	F028		08-Jul-14	T	3	30
T	3	0	08-Jul-14	ELCO	72.0	F029	F030		08-Jul-14	T	3	10
T	3	0	08-Jul-14	ELCO	59.8	F031	F032	591D	08-Jul-14	T	3	10
T	3	0	08-Jul-14	ELCO	58.2	F033	F034		08-Jul-14	T	3	10
T	3	10	08-Jul-14	ELCO	61.4	F035	F036		08-Jul-14	T	3	20
T	3	10	08-Jul-14	ELCO	69.6	F037	F038		08-Jul-14	T	3	20
T	3	10	08-Jul-14	ELCO	65.9	F039	F040		08-Jul-14	T	3	20
T	3	20	08-Jul-14	ELCO	55.9	F041	F042	5458	08-Jul-14	T	3	30
T	3	20	08-Jul-14	ELCO	69.9	F043	F044		08-Jul-14	T	3	30
T	3	20	08-Jul-14	ELCO	59.8	F045	F046		08-Jul-14	T	3	30
T	3	20	08-Jul-14	ELCO	85.5	F047	F048		08-Jul-14	T	3	30
T	4	0	08-Jul-14	ELCO	62.8	F067	F068		08-Jul-14	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	0	08-Jul-14	ELCO	68.8	F069	F070		08-Jul-14	T	4	10
T	4	0	08-Jul-14	ELCO	61.9	F071	F072		08-Jul-14	T	4	10
T	4	0	08-Jul-14	ELCO	72.6	F073	F074		08-Jul-14	T	4	10
T	4	10	08-Jul-14	ELCO	62.1	F075	F076	5456	08-Jul-14	T	4	20
T	4	10	08-Jul-14	ELCO	68.8	F077	F078		08-Jul-14	T	4	20
T	4	20	08-Jul-14	ELCO	65.1	F079	F080		08-Jul-14	T	4	30
T	4	20	08-Jul-14	ELCO	50.3	F081	F082		08-Jul-14	T	4	30
T	4	20	08-Jul-14	ELCO	63.5	F083	F084		08-Jul-14	T	4	30
T	4	0	08-Jul-14	ELCO	70.4	F085	F086	542D	08-Jul-14	T	4	10
T	4	0	08-Jul-14	ELCO	69.1	F087	F088		08-Jul-14	T	4	10
T	4	10	08-Jul-14	ELCO	31.8	F089	F090		08-Jul-14	T	4	20
T	4	10	08-Jul-14	ELCO	58.9	F091	F092		08-Jul-14	T	4	20
T	4	10	08-Jul-14	ELCO	66.9	F093	F094		08-Jul-14	T	4	20
T	4	10	08-Jul-14	ELCO	54.6	F095	F096	5448	08-Jul-14	T	4	20
T	4	20	08-Jul-14	ELCO	56.8	F097	F098		08-Jul-14	T	4	30
T	4	20	08-Jul-14	ELCO	60.1	F099	F100		08-Jul-14	T	4	30
T	4	20	08-Jul-14	ELCO	72.9	F101	F102		08-Jul-14	T	4	30
T	4	30	08-Jul-14	ELCO	96.2	F103	F104		08-Jul-14	T	4	40
T	4	30	08-Jul-14	ELCO	80.1	F105	F106	591B	08-Jul-14	T	4	40
T	4	30	08-Jul-14	ELCO	71.7	F107	F108		08-Jul-14	T	4	40
T	4	30	08-Jul-14	ELCO	55.9	F109	F110		08-Jul-14	T	4	40
T	4	30	08-Jul-14	ELCO	53.9	F111	F112		08-Jul-14	T	4	40
T	3	0	08-Jul-14	ELCO	60.7	F049	F050		08-Jul-14	T	3	10
T	3	10	08-Jul-14	ELCO	70.2	F051	F052	5429	08-Jul-14	T	3	20
T	3	10	08-Jul-14	ELCO	67.0	F053	F054		08-Jul-14	T	3	20
T	3	20	08-Jul-14	ELCO	56.9	F055	F056		08-Jul-14	T	3	30
T	3	30	08-Jul-14	ELCO	61.6	F057	F058		08-Jul-14	T	3	40
T	3	0	08-Jul-14	ELCO	62.3	F059	F060		08-Jul-14	T	3	10
T	3	0	08-Jul-14	ELCO	56.9	F061	F062	546D	08-Jul-14	T	3	10
T	3	0	08-Jul-14	ELCO	67.7	F063	F064		08-Jul-14	T	3	10
T	3	10	08-Jul-14	ELCO	51.9	F065	F066		08-Jul-14	T	3	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	0	08-Jul-14	ELCO	55.2	F113	F114		08-Jul-14	T	4	10
T	4	0	08-Jul-14	ELCO	80.2	F115	F116	5417	08-Jul-14	T	4	10
T	4	0	08-Jul-14	ELCO	69.2	F117	F118		08-Jul-14	T	4	10
T	4	0	08-Jul-14	ELCO	71.2	F119	F120		08-Jul-14	T	4	10
T	4	0	08-Jul-14	ELCO	62.7	F122	F122					
T	4	0	08-Jul-14	ELCO	71.2	F123	F124		08-Jul-14	T	4	10
T	4	0	08-Jul-14	ELCO	64.6	F125	F126	5440	08-Jul-14	T	4	10
T	4	10	08-Jul-14	ELCO	68.6	F127	F128		08-Jul-14	T	4	20
T	4	10	08-Jul-14	ELCO	56.1	F129	F130		08-Jul-14	T	4	20
T	4	20	08-Jul-14	ELCO	60.5	F131	F132		08-Jul-14	T	4	30
T	4	30	08-Jul-14	ELCO	47.6	F133	F134		08-Jul-14	T	4	40
T	4	30	08-Jul-14	ELCO	77.1	F135	F136	5427	08-Jul-14	T	4	40
T	4	30	08-Jul-14	ELCO	62.7	F137	F138		08-Jul-14	T	4	40
T	4	10	08-Jul-14	ELCO	64.9	F139	F140		08-Jul-14	T	4	20
T	4	20	08-Jul-14	ELCO	69.5	F141	F142		08-Jul-14	T	4	30
T	4	20	08-Jul-14	ELCO	70.6	F143	F144	5413	08-Jul-14	T	4	30
T	5	0	09-Jul-14	ELCO	81.6	C479	C478		09-Jul-14	T	5	10
T	5	0	09-Jul-14	ELCO	77.1	C481	C480		09-Jul-14	T	5	10
T	5	0	09-Jul-14	ELCO	79.3	C483	C482		09-Jul-14	T	5	10
T	5	0	09-Jul-14	ELCO	67.2	C485	C484		09-Jul-14	T	5	10
T	5	20	09-Jul-14	ELCO	84.5	C489	C488		09-Jul-14	T	5	30
T	5	20	09-Jul-14	ELCO	59.2	C491	C490		09-Jul-14	T	5	30
T	5	20	09-Jul-14	ELCO	47.1	C493	C492		09-Jul-14	T	5	30
T	5	30	09-Jul-14	ELCO	70.5	C495	C494		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	67.5	C497	C496		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	76.7	C499	C498		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	68.5	C501	C500		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	75.1	C503	C502		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	71.9	C505	C504		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	71.5	C507	C506	5426	09-Jul-14	T	5	40
T	5	0	09-Jul-14	ELCO	67.1	C509	C508		09-Jul-14	T	5	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	5	0	09-Jul-14	ELCO	70.1	C511	C510		09-Jul-14	T	5	10
T	5	10	09-Jul-14	ELCO	78.3	C513	C512		09-Jul-14	T	5	20
T	5	10	09-Jul-14	ELCO	73.2	C515	C514		09-Jul-14	T	5	20
T	5	10	09-Jul-14	ELCO	72.4	C517	C516	545E	09-Jul-14	T	5	20
T	5	10	09-Jul-14	ELCO	49.3	C519	C518		09-Jul-14	T	5	20
T	5	10	09-Jul-14	ELCO	52.5	C521	C520		09-Jul-14	T	5	20
T	5	10	09-Jul-14	ELCO	59.2	C523	C522		09-Jul-14	T	5	20
T	5	20	09-Jul-14	ELCO	74.3	C525	C524		09-Jul-14	T	5	30
T	5	20	09-Jul-14	ELCO	66.7	C527	C526	542A	09-Jul-14	T	5	30
T	5	30	09-Jul-14	ELCO	70.7	C529	C528		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	49.4	C531	C530		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	63.6	C533	C532		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	60.3	C535	C534		09-Jul-14	T	5	40
T	5	0	09-Jul-14	ELCO	71.1	C487	C486	5422	09-Jul-14	T	5	10
T	5	10	09-Jul-14	ELCO	63.1	C537	C536	5418	09-Jul-14	T	5	20
T	5	10	09-Jul-14	ELCO	58.7	C539	C538		09-Jul-14	T	5	20
T	5	30	09-Jul-14	ELCO	80.3	C541	C540		09-Jul-14	T	5	40
T	5	30	09-Jul-14	ELCO	52.6	C543	C542		09-Jul-14	T	5	40
T	5	0	09-Jul-14	ELCO	59.5	C545	C544		09-Jul-14	T	5	10
T	5	0	09-Jul-14	ELCO	75.6	C547	C546	544C	09-Jul-14	T	5	10
T	5	10	09-Jul-14	ELCO	76.0	C549	C548		09-Jul-14	T	5	20
T	5	10	09-Jul-14	ELCO	70.0	C551	C550		09-Jul-14	T	5	20
T	5	10	09-Jul-14	ELCO	64.7	C553	C552		09-Jul-14	T	5	20
T	5	20	09-Jul-14	ELCO	72.3	C555	C554		09-Jul-14	T	5	30
T	5	30	09-Jul-14	ELCO	65.6	C557	C556	543B	09-Jul-14	T	5	40
R	1	0	10-Jul-14	ELCO	71.7	C559	C558		10-Jul-14	T		
R	1	0	10-Jul-14	ELCO	64.9	C561	C560		10-Jul-14	T		
R	1	0	10-Jul-14	ELCO	65.6	C563	C562		10-Jul-14	T		
R	1	0	10-Jul-14	ELCO	63.3	C565	C564		10-Jul-14	T		
R	1	0	10-Jul-14	ELCO	65.7	C567	C566	543C	10-Jul-14	T	1	
R	1	0	10-Jul-14	ELCO	70.6	C569	C568		10-Jul-14	T		

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	0	10-Jul-14	ELCO	68.2	C571	C570		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	71.2	C573	C572		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	71.1	C575	C574		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	70.4	C577	C576	5423	10-Jul-14	T	1	
R	1	10	10-Jul-14	ELCO	68.6	C579	C578		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	75.7	C581	C580		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	70.9	C583	C582		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	77.5	C585	C584		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	70.5	C587	C586		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	57.5	C589	C588		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	64.6	C591	C590		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	63.4	C593	C592		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	60.2	C595	C594		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	71.6	C597	C596	542C	10-Jul-14	T	1	
R	1	20	10-Jul-14	ELCO	80.0	C599	C598		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	68.0	C601	C600		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	65.6	C603	C602		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	62.8	C605	C604		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	82.0	C607	C606	5438	10-Jul-14	T	1	
R	1	20	10-Jul-14	ELCO	44.5	C609	C608		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	76.7	C611	C610		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	79.1	C613	C612		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	65.8	C615	C614		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	63.5	C617	C616	5419	10-Jul-14	T	1	
R	1	20	10-Jul-14	ELCO	63.8	C619	C618		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	65.7	C621	C620		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	81.8	C623	C622		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	66.2	C625	C624		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	73.1	C627	C626	5453	10-Jul-14	T	1	
R	1	20	10-Jul-14	ELCO	62.0	C629	C628		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	54.7	C631	C630		10-Jul-14	T		

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	20	10-Jul-14	ELCO	63.1	C633	C632		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	54.0	C635	C634		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	66.0	C637	C636	5431	10-Jul-14	T	1	
R	1	20	10-Jul-14	ELCO	30.8	C639	C638		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	47.0	C641	C640		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	66.4	C643	C642		10-Jul-14	T		
R	1	30	10-Jul-14	ELCO	64.2	C645	C644		10-Jul-14	T		
R	1	30	10-Jul-14	ELCO	68.9	C647	C646	5445	10-Jul-14	T	1	
R	1	30	10-Jul-14	ELCO	68.2	C649	C648		10-Jul-14	T		
R	1	30	10-Jul-14	ELCO	73.7	C651	C650		10-Jul-14	T		
R	1	30	10-Jul-14	ELCO	75.4	C653	C652		10-Jul-14	T		
R	1	30	10-Jul-14	STUN	56.2	C655	C654	545F	10-Jul-14	T	1	
R	1	30	10-Jul-14	ELCO	65.2	C657	C656	5421	10-Jul-14	T	1	
R	1	30	10-Jul-14	ELCO	71.0	C659	C658		10-Jul-14	T		
R	1	30	10-Jul-14	ELCO	69.8	C661	C660		10-Jul-14	T		
R	1	30	10-Jul-14	ELCO	57.5	C663	C662		10-Jul-14	T		
R	1	40	10-Jul-14	ELCO	66.8	C665	C664		10-Jul-14	T		
R	1	10	10-Jul-14	ELCO	61.1	C667	C666	541C	10-Jul-14	T	1	
R	1	20	10-Jul-14	ELCO	79.0	C669	C668		10-Jul-14	T		
R	1	20	10-Jul-14	ELCO	78.7	C671	C670		10-Jul-14	T		
R	1	30	10-Jul-14	ELCO	74.1	C673	C672		10-Jul-14	T		
R	1	40	10-Jul-14	ELCO	70.2	C675	C674		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	68.5	C677	C676	.	10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	69.3	C679	C678		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	62.6	C681	C680		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	70.4	C683	C682		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	45.1	C685	C684	541F	10-Jul-14	T	5	30
R	1	50	10-Jul-14	ELCO	71.0	C687	C686	5428	10-Jul-14	T	5	10
R	1	50	10-Jul-14	ELCO	60.0	C689	C688		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	77.4	C691	C690		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	60.1	C693	C692		10-Jul-14	T		

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	50	10-Jul-14	ELCO	69.7	C695	C694		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	64.4	C697	C696	5457	10-Jul-14	T	5	20
R	1	50	10-Jul-14	ELCO	66.5	C699	C698		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	64.7	C701	C700		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	56.4	C703	C702		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	66.8	C705	C704		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	68.0	C707	C706	543A	10-Jul-14	T	5	0
R	1	50	10-Jul-14	ELCO	58.1	C709	C708		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	54.2	C711	C710		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	61.2	C713	C712		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	74.9	C715	C714		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	67.4	C717	C716	544E	10-Jul-14	T	5	10
R	1	60	10-Jul-14	ELCO	63.0	C719	C718		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	62.6	C721	C720		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	70.0	C723	C722		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	63.8	C725	C724		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	73.4	C727	C726	5420	10-Jul-14	T	5	20
R	1	60	10-Jul-14	ELCO	64.6	C729	C728		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	71.8	C731	C730		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	63.9	C733	C732		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	69.3	C735	C734		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	67.0	C737	C736	540D	10-Jul-14	T	5	20
R	1	60	10-Jul-14	ELCO	63.7	C739	C738		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	67.6	C741	C740		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	69.2	C743	C742		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	77.0	C745	C744		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	64.5	C747	C746	546E	10-Jul-14	T	5	0
R	1	60	10-Jul-14	ELCO	75.2	C749	C748		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	66.4	C751	C750		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	74.6	C753	C752		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	68.8	C755	C754		10-Jul-14	T		

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	60	10-Jul-14	ELCO	37.2	C757	C756	546C	10-Jul-14	T	5	30
R	1	60	10-Jul-14	ELCO	58.9	C759	C758		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	57.1	C761	C760		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	67.8	C763	C762		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	52.2	C765	C764		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	60.0	C767	C766	5437	10-Jul-14	T	5	10
R	1	60	10-Jul-14	ELCO	44.8	C769	C768	5439	10-Jul-14	T	5	30
R	1	60	10-Jul-14	ELCO	57.5	C771	C770		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	70.5	C773	C772		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	62.6	C775	C774		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	78.3	C777	C776	5467	10-Jul-14	T	5	30
R	1	60	10-Jul-14	ELCO	49.4	C779	C778	5449	10-Jul-14	T	5	30
R	1	60	10-Jul-14	ELCO	63.4	C781	C780		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	65.1	C783	C782		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	56.5	C785	C784		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	59.0	C787	C786	542B	10-Jul-14	T	5	0
R	1	60	10-Jul-14	ELCO	64.7	C789	C788		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	63.8	C791	C790		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	63.0	C793	C792		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	61.5	C795	C794		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	55.7	C797	C796	5444	10-Jul-14	T	5	30
R	1	60	10-Jul-14	ELCO	55.5	C799	C798	546B	10-Jul-14	T	5	0
R	1	60	10-Jul-14	ELCO	69.1	C801	C800		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	59.3	C803	C802		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	51.7	C805	C804		10-Jul-14	T		
R	1	60	10-Jul-14	ELCO	61.2	C807	C806	5455	10-Jul-14	T	5	30
R	1	50	10-Jul-14	ELCO	60.0	C809	C808		10-Jul-14	T		
R	1	50	10-Jul-14	ELCO	77.1	C811	C810		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	63.7	C813	C812		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	61.3	C815	C814		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	71.0	C817	C816	541E	10-Jul-14	T	5	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	70	10-Jul-14	ELCO	61.9	C819	C818		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	57.6	C821	C820		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	62.9	C823	C822		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	68.2	C825	C824		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	72.2	C827	C826	5459	10-Jul-14	T	5	10
R	1	70	10-Jul-14	ELCO	64.5	C829	C828		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	67.5	C831	C830		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	54.7	C833	C832		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	65.3	C835	C834		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	74.9	C837	C836	545D	10-Jul-14	T	5	10
R	1	70	10-Jul-14	ELCO	68.9	C839	C838		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	69.0	C841	C840		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	70.0	C843	C842		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	62.3	C845	C844		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	77.6	C847	C846	544D	10-Jul-14	T	5	10
R	1	70	10-Jul-14	ELCO	74.2	C849	C848		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	68.0	C851	C850		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	73.7	C853	C852		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	60.4	C855	C854		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	59.9	C857	C856	5447	10-Jul-14	T	5	30
R	1	70	10-Jul-14	ELCO	65.0	C859	C858		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	73.8	C861	C860		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	64.9	C863	C862		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	66.8	C865	C864		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	72.9	C867	C866	540E	10-Jul-14	T	5	20
R	1	70	10-Jul-14	ELCO	74.9	C869	C868		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	64.3	C871	C870		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	72.0	C873	C872		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	64.3	C875	C874		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	74.8	C877	C876	544A	10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	59.3	C879	C878		10-Jul-14	T		

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	70	10-Jul-14	ELCO	63.4	C881	C880		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	67.5	C883	C882		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	68.2	C885	C884		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	60.5	C887	C886	5466	10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	67.0	C889	C888		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	62.6	C891	C890		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	58.5	C893	C892		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	65.4	C895	C894		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	70.4	C897	C896	5425	10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	73.5	C899	C898		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	62.4	C901	C900		10-Jul-14	T		
R	1	70	10-Jul-14	ELCO	65.0	C903	C902		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	54.6	C905	C904		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	74.9	C907	C906	5406	10-Jul-14	T	5	30
R	1	70	10-Jul-14	ELCO	63.3	C909	C908		10-Jul-14	T	5	10
R	1	70	10-Jul-14	ELCO	79.6	C911	C910		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	70.5	C913	C912		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	68.6	C915	C914		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	60.7	C917	C916	5465	10-Jul-14	T	5	30
R	1	70	10-Jul-14	ELCO	63.7	C919	C918		10-Jul-14	T	5	20
R	1	70	10-Jul-14	ELCO	69.3	C921	C920		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	70.7	C923	C922		10-Jul-14	T	5	10
R	1	70	10-Jul-14	ELCO	59.0	C925	C924		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	60.1	C927	C926	542F	10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	79.4	C929	C928		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	72.7	C931	C930		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	59.8	C933	C932		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	59.1	C935	C934		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	65.4	C937	C936	545B	10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	50.5	C939	C938		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	65.6	C941	C940		10-Jul-14	T	5	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	70	10-Jul-14	ELCO	56.9	C943	C942		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	48.3	C945	C944	540F	10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	57.5	C947	C946		10-Jul-14	T	5	10
R	1	70	10-Jul-14	ELCO	59.9	C949	C948		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	45.3	C951	C950	543E	10-Jul-14	T	5	20
R	1	70	10-Jul-14	ELCO	44.6	C953	C952	543D	10-Jul-14	T	5	20
R	1	70	10-Jul-14	ELCO	63.6	C955	C954		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	75.9	C957	C956	5411	10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	60.0	C959	C958		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	61.8	C961	C960		10-Jul-14	T	5	0
R	1	70	10-Jul-14	ELCO	52.1	C963	C962		10-Jul-14	T	5	10
R	1	70	10-Jul-14	ELCO	31.1	C965	C964	5443	10-Jul-14	T	5	20
R	1	70	10-Jul-14	ELCO	29.0	C967	C966	5461	10-Jul-14	T	5	20
R	1	70	10-Jul-14	ELCO	31.4	C969	C968	5424	10-Jul-14	T	5	20
R	1	80	18-Jul-14	ELCO	69.9	C971	C970		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	69.8	C973	C972		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	73.6	C975	C974		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	78.8	C977	C976		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	61.7	C979	C978	5469	18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	66.0	C981	C980		18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	67.7	C983	C982		18-Jul-14	T	4	30
R	1	80	18-Jul-14	ELCO	70.5	C985	C984		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	59.0	C987	C986		18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	65.6	C989	C988	5412	18-Jul-14	T	4	30
R	1	80	18-Jul-14	ELCO	70.7	C991	C990		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	74.2	C993	C992		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	70.6	C995	C994		18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	69.5	C997	C996		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	67.0	C999	C998	5463	18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	56.4	F145	F146		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	61.8	F147	F148		18-Jul-14	T	4	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	80	18-Jul-14	ELCO	65.9	F149	F150		18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	65.9	F151	F152		18-Jul-14	T	4	
R	1	80	18-Jul-14	ELCO	49.2	F153	F154	5450	18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	66.4	F155	F156		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	53.0	F157	F158		18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	79.3	F159	F160		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	52.9	F161	F162		18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	67.9	F163	F164	546F	18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	65.9	F165	F166		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	63.7	F167	F168		18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	66.0	F169	F170		18-Jul-14	T	4	30
R	1	80	18-Jul-14	ELCO	51.7	F171	F172		18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	59.0	F173	F174	5441	18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	73.4	F175	F176		18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	43.7	F177	F178	5464	18-Jul-14	T	4	30
R	1	80	18-Jul-14	ELCO	60.2	F179	F180		18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	59.8	F181	F182		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	61.2	F183	F184	542E	18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	44.4	F185	F186	5462	18-Jul-14	T	4	30
R	1	80	18-Jul-14	ELCO	42.4	F187	F188	541A	18-Jul-14	T	4	30
R	1	80	18-Jul-14	ELCO	43.2	F189	F190	5446	18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	64.3	F191	F192		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	44.8	F193	F194	5468	18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	62.1	F195	F196		18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	52.6	F197	F198		18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	72.7	F199	F200		18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	36.8	F201	F202	5415	18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	72.7	F203	F204	546A	18-Jul-14	T	4	10
R	1	80	18-Jul-14	ELCO	71.5	F205	F206		18-Jul-14	T	4	0
R	1	80	18-Jul-14	ELCO	61.6	F207	F208		18-Jul-14	T	4	20
R	1	80	18-Jul-14	ELCO	74.8	F209	F210		18-Jul-14	T	4	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	90	18-Jul-14	ELCO	56.5	F211	F212		18-Jul-14	T	4	0
R	1	90	18-Jul-14	ELCO	50.7	F213	F214	544B	18-Jul-14	T	4	0
R	1	90	18-Jul-14	ELCO	62.6	F215	F216		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	60.2	F217	F218		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	75.1	F219	F220		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	69.5	F221	F222		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	67.3	F223	F224	5454	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	59.8	F225	F226		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	64.2	F227	F228		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	60.4	F229	F230		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	65.0	F231	F232		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	69.2	F233	F234	5430	18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	66.6	F235	F236		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	70.7	F237	F238		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	71.4	F239	F240		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	63.9	F241	F242		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	69.6	F243	F244	5435	18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	62.5	F245	F246		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	66.0	F247	F248		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	59.1	F249	F250		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	72.3	F251	F252		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	46.3	F253	F254	5589	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	61.0	F255	F256		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	59.4	F257	F258		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	54.7	F259	F260		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	61.0	F261	F262		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	45.2	F263	F264	5460	18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	59.5	F265	F266		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	69.8	F267	F268		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	65.1	F269	F270		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	58.0	F271	F272		18-Jul-14	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	90	18-Jul-14	ELCO	63.5	F273	F274	5433	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	60.8	F275	F276		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	57.5	F277	F278		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	61.1	F279	F280		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	63.8	F281	F282		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	46.7	F283	F284	545A	18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	70.2	F285	F286		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	23.8	F287	F288	5416	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	68.2	F289	F290		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	48.5	F291	F292	545C	18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	52.7	F293	F294	5432	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	46.5	F295	F296	543F	18-Jul-14	T	1	
R	1	90	18-Jul-14	ELCO	46.5	F297	F298	5451	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	62.8	F299	F300		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	40.5	F301	F302	5442	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	55.4	F303	F304	5434	18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	33.4	F305	F306	5414	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	70.4	F307	F308		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	32.1	F309	F310	544F	18-Jul-14	T	1	
R	1	90	18-Jul-14	ELCO	63.1	F311	F312		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	60.1	F313	F314	5436	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	31.2	F315	F316	5548	18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	68.3	F317	F318		18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	63.8	F319	F320		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	61.8	F321	F322		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	63.2	F323	F324	553F	18-Jul-14	T	1	0
R	1	90	18-Jul-14	ELCO	66.0	F325	F326		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	57.1	F327	F328		18-Jul-14	T	1	10
R	1	90	18-Jul-14	ELCO	54.3	F329	F330		18-Jul-14	T	1	0
R	1	100	18-Jul-14	ELCO	65.1	F331	F332		18-Jul-14	T	1	10
R	1	100	18-Jul-14	ELCO	64.0	F333	F334	5571	18-Jul-14	T	5	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	100	18-Jul-14	ELCO	54.2	F335	F336		18-Jul-14	T	1	10
R	1	100	18-Jul-14	ELCO	64.5	F337	F338		18-Jul-14	T	1	20
R	1	100	18-Jul-14	ELCO	68.6	F339	F340		18-Jul-14	T	1	10
R	1	100	18-Jul-14	ELCO	62.8	F341	F342		18-Jul-14	T	1	20
R	1	100	18-Jul-14	ELCO	48.8	F343	F344	5566	18-Jul-14	T	5	10
R	1	100	18-Jul-14	ELCO	60.3	F345	F346		18-Jul-14	T	1	20
R	1	100	18-Jul-14	ELCO	62.1	F347	F348		18-Jul-14	T	1	10
R	1	100	18-Jul-14	ELCO	75.2	F349	F350		18-Jul-14	T	1	10
R	1	100	18-Jul-14	ELCO	68.5	F351	F352		18-Jul-14	T	1	20
R	1	100	18-Jul-14	ELCO	62.3	F353	F354	556D	18-Jul-14	T	5	0
R	1	100	18-Jul-14	ELCO	54.3	H875	H874		18-Jul-14	T	1	20
R	1	100	18-Jul-14	ELCO	61.8	F357	F358		18-Jul-14	T	1	10
R	1	100	18-Jul-14	ELCO	83.7	F359	F360		18-Jul-14	T	1	10
R	1	100	18-Jul-14	ELCO	70.1	F361	F362		18-Jul-14	T	1	10
R	1	100	18-Jul-14	ELCO	65.4	F363	F364	554F	18-Jul-14	T	5	10
R	1	100	18-Jul-14	ELCO	32.2	F365	F366		18-Jul-14	T	1	30
R	1	100	18-Jul-14	ELCO	52.0	F367	F368		18-Jul-14	T	1	30
R	1	100	18-Jul-14	ELCO	48.6	F369	F370	5567	18-Jul-14	T	5	10
R	1	100	18-Jul-14	ELCO	66.4	F371	F372		18-Jul-14	T	1	20
R	1	100	18-Jul-14	ELCO	57.7	F373	F374	5586	18-Jul-14	T	5	0
R	1	100	18-Jul-14	ELCO	70.7	F375	F376		18-Jul-14	T	1	10
R	1	100	18-Jul-14	ELCO	33.9	F377	F378	5582	18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	72.7	F379	F380		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	66.9	F381	F382		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	75.5	F383	F384	555E	18-Jul-14	T	5	20
R	1	110	18-Jul-14	ELCO	71.5	F385	F386		18-Jul-14	T	5	10
R	1	110	18-Jul-14	ELCO	73.7	F387	F388		18-Jul-14	T	5	10
R	1	110	18-Jul-14	ELCO	67.1	F389	F390		18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	72.2	F391	F392		18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	67.2	F393	F394	5550	18-Jul-14	T	5	20
R	1	110	18-Jul-14	ELCO	72.2	F395	F396		18-Jul-14	T	5	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	110	18-Jul-14	ELCO	58.4	F397	F398		18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	74.3	F399	F400		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	55.8	F401	F402		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	69.0	F403	F404	5587	18-Jul-14	T	5	20
R	1	110	18-Jul-14	ELCO	75.0	F405	F406		18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	71.7	F407	F408		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	71.5	F409	F410		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	67.2	F411	F412		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	63.0	F413	F414	.	18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	62.9	F415	F416		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	72.5	F417	F418		18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	59.5	F419	F420		18-Jul-14	T	5	20
R	1	110	18-Jul-14	ELCO	72.5	F421	F422		18-Jul-14	T	5	20
R	1	110	18-Jul-14	ELCO	81.6	F423	F424	5596	18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	66.3	F425	F426		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	73.8	F427	F428		18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	52.0	F429	F430		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	72.7	F431	F432		18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	71.5	F433	F434	556C	18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	73.9	F435	F436		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	62.4	F437	F438		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	90.0	F439	F440		18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	58.7	F441	F442		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	59.3	F443	F444	556E	18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	67.5	F445	F446		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	68.1	F447	F448		18-Jul-14	T	5	20
R	1	110	18-Jul-14	ELCO	68.0	F449	F450		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	62.7	F451	F452		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	61.5	F453	F454	5599	18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	62.9	F455	F456		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	67.0	F457	F458		18-Jul-14	T	5	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	110	18-Jul-14	ELCO	77.3	F459	F460		18-Jul-14	T	5	0
R	1	110	18-Jul-14	ELCO	78.7	F461	F462		18-Jul-14	T	5	30
R	1	110	18-Jul-14	ELCO	64.1	F463	F464	553A	19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	70.9	F465	F466		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	77.9	F467	F468		19-Jul-14	T	2	20
R	1	110	18-Jul-14	ELCO	66.5	F469	F470		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	68.5	F471	F472		19-Jul-14	T	2	30
R	1	110	18-Jul-14	ELCO	84.8	F473	F474	5542	19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	68.6	F475	F476		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	68.0	F477	F478		19-Jul-14	T	2	30
R	1	110	18-Jul-14	ELCO	68.7	F479	F480		19-Jul-14	T	2	20
R	1	110	18-Jul-14	ELCO	68.7	F481	F482		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	63.1	F483	F484	54EC	19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	73.5	F485	F486		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	60.5	F487	F488		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	65.7	F489	F490		19-Jul-14	T	2	30
R	1	110	18-Jul-14	ELCO	72.2	F491	F492		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	68.3	F493	F494	5592	19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	62.8	F495	F496		19-Jul-14	T	2	10
R	1	110	18-Jul-14	ELCO	64.1	F497	F498		19-Jul-14	T	2	10
R	1	110	18-Jul-14	ELCO	77.0	F499	F500		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	61.7	F501	F502		19-Jul-14	T	2	20
R	1	110	18-Jul-14	ELCO	61.4	F503	F504	5543	19-Jul-14	T	2	10
R	1	110	18-Jul-14	ELCO	69.8	F505	F506		19-Jul-14	T	2	10
R	1	110	18-Jul-14	ELCO	65.4	F507	F508		19-Jul-14	T	2	10
R	1	110	18-Jul-14	ELCO	67.9	F509	F510		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	61.1	H877	H876		19-Jul-14	T	2	30
R	1	110	18-Jul-14	ELCO	65.7	F513	F514	5549	19-Jul-14	T	2	10
R	1	110	18-Jul-14	ELCO	70.7	F515	F516		19-Jul-14	T	2	10
R	1	110	18-Jul-14	ELCO	61.5	F517	F518		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	71.1	F519	F520		19-Jul-14	T	2	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	110	18-Jul-14	ELCO	50.5	F521	F522		19-Jul-14	T	1	30
R	1	110	18-Jul-14	ELCO	63.3	F523	F524	5554	19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	72.5	F525	F526		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	73.9	F527	F528		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	63.0	F529	F530		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	76.4	F531	F532		19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	64.7	F533	F534	5594	19-Jul-14	T	2	0
R	1	110	18-Jul-14	ELCO	72.9	F535	F536		19-Jul-14	T	2	20
R	1	110	18-Jul-14	ELCO	58.1	F537	F538		19-Jul-14	T	2	30
R	1	110	19-Jul-14	ELCO	68.3	F539	F540		19-Jul-14	T	2	30
R	1	110	19-Jul-14	ELCO	72.5	F541	F542		19-Jul-14	T	2	10
R	1	110	19-Jul-14	ELCO	59.4	F543	F544	556F	19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	67.3	H112	H113		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	74.8	F547	F548		19-Jul-14	T	4	0
R	1	110	19-Jul-14	ELCO	78.3	F549	F550		19-Jul-14	T	2	30
R	1	110	19-Jul-14	ELCO	64.6	F551	F552		19-Jul-14	T	4	0
R	1	110	19-Jul-14	ELCO	64.6	F553	F554		19-Jul-14	T	4	30
R	1	110	19-Jul-14	ELCO	61.5	F555	F556		19-Jul-14	T	3	0
R	1	110	19-Jul-14	ELCO	63.1	F557	F558		19-Jul-14	T	4	0
R	1	110	19-Jul-14	ELCO	67.6	F559	F560		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	74.4	F561	F562		19-Jul-14	T	3	0
R	1	110	19-Jul-14	ELCO	69.8	F563	F564	5580	19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	59.3	F565	F566		19-Jul-14	T	3	0
R	1	110	19-Jul-14	ELCO	55.7	F567	F568		19-Jul-14	T	2	10
R	1	110	19-Jul-14	ELCO	79.4	F569	F570		19-Jul-14	T	3	10
R	1	110	19-Jul-14	ELCO	62.8	F571	F572		19-Jul-14	T	3	10
R	1	110	19-Jul-14	ELCO	75.0	F573	F574	5584	19-Jul-14	T	3	20
R	1	110	19-Jul-14	ELCO	78.4	F575	F576		19-Jul-14	T	4	20
R	1	110	19-Jul-14	ELCO	82.8	F577	F578		19-Jul-14	T	2	10
R	1	110	19-Jul-14	ELCO	66.8	F579	F580		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	68.8	F581	F582		19-Jul-14	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	110	19-Jul-14	ELCO	61.4	F583	F585	5555	19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	67.1	F584	F586		19-Jul-14	T	1	10
R	1	110	19-Jul-14	ELCO	76.3	F587	F588		19-Jul-14	T	3	10
R	1	110	19-Jul-14	ELCO	52.4	F589	F590		19-Jul-14	T	3	0
R	1	110	19-Jul-14	ELCO	64.3	F591	F592		19-Jul-14	T	1	20
R	1	110	19-Jul-14	ELCO	67.4	F593	F594	556B	19-Jul-14	T	4	0
R	1	110	19-Jul-14	ELCO	55.3	F595	F596		19-Jul-14	T	4	20
R	1	110	19-Jul-14	ELCO	67.3	F597	F598		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	71.3	F599	F600		19-Jul-14	T	3	0
R	1	110	19-Jul-14	ELCO	78.2	F601	F602		19-Jul-14	T	4	10
R	1	110	19-Jul-14	ELCO	77.3	F603	F604	5572	19-Jul-14	T	4	30
R	1	110	19-Jul-14	ELCO	58.5	F605	F606		19-Jul-14	T	4	30
R	1	110	19-Jul-14	ELCO	62.4	F607	F608		19-Jul-14	T	4	20
R	1	110	19-Jul-14	ELCO	75.3	F609	F610		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	69.2	F611	F612		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	58.4	F613	F614		19-Jul-14	T	4	30
R	1	110	19-Jul-14	ELCO	65.2	F615	F616		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	72.6	F617	F618		19-Jul-14	T	3	10
R	1	110	19-Jul-14	ELCO	70.3	F619	F620		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	65.7	F621	F622		19-Jul-14	T	3	0
R	1	110	19-Jul-14	ELCO	72.3	F623	F624	5560	19-Jul-14	T	4	30
R	1	110	19-Jul-14	ELCO	66.3	F625	F626		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	59.6	F627	F628		19-Jul-14	T	3	20
R	1	110	19-Jul-14	ELCO	71.6	F629	F630		19-Jul-14	T	1	20
R	1	110	19-Jul-14	ELCO	66.3	F631	F632		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	62.8	F633	F634	554E	19-Jul-14	T	2	10
R	1	110	19-Jul-14	ELCO	67.0	F635	F636		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	58.6	F637	F638		19-Jul-14	T	1	30
R	1	110	19-Jul-14	ELCO	55.6	F639	F640		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	71.9	F641	F642		19-Jul-14	T	1	20
R	1	110	19-Jul-14	ELCO	59.6	F643	F644	5553	19-Jul-14	T	2	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	110	19-Jul-14	ELCO	61.8	F645	F646		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	64.8	F647	F648		19-Jul-14	T	3	10
R	1	110	19-Jul-14	ELCO	63.6	F649	F650		19-Jul-14	T	4	0
R	1	110	19-Jul-14	ELCO	78.8	F651	F652		19-Jul-14	T	3	10
R	1	110	19-Jul-14	ELCO	64.9	F653	F654	5575	19-Jul-14	T	2	30
R	1	110	19-Jul-14	ELCO	76.2	F655	F656		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	75.8	F657	F658		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	60.5	F659	F660		19-Jul-14	T	1	10
R	1	110	19-Jul-14	ELCO	64.4	F661	F662		19-Jul-14	T	4	10
R	1	110	19-Jul-14	ELCO	58.4	F663	F664	555C	19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	64.0	F665	F666		19-Jul-14	T	4	0
R	1	110	19-Jul-14	ELCO	66.2	F667	F668		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	54.2	F669	F670		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	73.1	F671	F672		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	71.5	F673	F674	5577	19-Jul-14	T	2	30
R	1	110	19-Jul-14	ELCO	46.0	F675	F676	5561	19-Jul-14	T	4	10
R	1	110	19-Jul-14	ELCO	64.5	F677	F678		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	66.3	F679	F680		19-Jul-14	T	3	0
R	1	110	19-Jul-14	ELCO	69.3	F681	F682		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	68.7	F683	F684	555A	19-Jul-14	T	4	30
R	1	110	19-Jul-14	ELCO	69.8	F685	F686		19-Jul-14	T	4	30
R	1	110	19-Jul-14	ELCO	68.9	F687	F688		19-Jul-14	T	4	20
R	1	110	19-Jul-14	ELCO	67.5	F689	F690		19-Jul-14	T	4	10
R	1	110	19-Jul-14	ELCO	57.1	F691	F692		19-Jul-14	T	1	20
R	1	110	19-Jul-14	ELCO	63.8	F693	F694	5568	19-Jul-14	T	4	0
R	1	110	19-Jul-14	ELCO	68.3	F695	F696		19-Jul-14	T	3	10
R	1	110	19-Jul-14	ELCO	73.7	F697	F698		19-Jul-14	T	3	30
R	1	110	19-Jul-14	ELCO	61.9	F699	F700		19-Jul-14	T	3	20
R	1	110	19-Jul-14	ELCO	80.4	F701	F702		19-Jul-14	T	4	0
R	1	110	19-Jul-14	ELCO	64.0	F703	F704	5542	19-Jul-14	T	4	20
R	1	110	19-Jul-14	ELCO	57.3	F705	F706		19-Jul-14	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	110	19-Jul-14	ELCO	73.0	F707	F708		19-Jul-14	T	2	10
R	1	110	19-Jul-14	ELCO	58.1	F709	F710		19-Jul-14	T	4	10
R	1	110	19-Jul-14	ELCO	53.1	F711	F712		19-Jul-14	T	2	20
R	1	110	19-Jul-14	ELCO	63.9	F713	F714	5544	19-Jul-14	T	2	10
R	1	110	19-Jul-14	ELCO	50.3	F715	F716		19-Jul-14	T	2	20
R	1	110	19-Jul-14	ELCO	60.4	F717	F718		19-Jul-14	T	4	20
R	1	110	19-Jul-14	ELCO	70.1	F719	F720		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	65.6	F721	F722		19-Jul-14	T	1	20
R	1	110	19-Jul-14	ELCO	65.2	F723	F724	555B	19-Jul-14	T	4	0
R	1	110	19-Jul-14	ELCO	65.6	F725	F726		19-Jul-14	T	3	0
R	1	110	19-Jul-14	ELCO	68.5	F727	F728		19-Jul-14	T	2	10
R	1	110	19-Jul-14	ELCO	57.7	F729	F730		19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	45.9	F731	F732	558E	19-Jul-14	T	2	20
R	1	110	19-Jul-14	ELCO	63.5	F733	F734	5588	19-Jul-14	T	2	10
R	1	110	19-Jul-14	ELCO	36.0	F735	F736	554B	19-Jul-14	T	2	20
R	1	110	19-Jul-14	STUN	34.6	F737	F738	5547	19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	61.1	F739	F740		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	41.0	F741	F742	5551	19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	45.6	F743	F744	554A	19-Jul-14	T	3	0
R	1	110	19-Jul-14	ELCO	60.9	F745	F746		19-Jul-14	T	1	0
R	1	110	19-Jul-14	ELCO	57.7	F747	F748		19-Jul-14	T	3	10
R	1	110	19-Jul-14	ELCO	42.0	F749	F750	5564	19-Jul-14	T	1	30
R	1	110	19-Jul-14	ELCO	58.3	F751	F752		19-Jul-14	T	4	20
R	1	110	19-Jul-14	ELCO	67.0	F753	F754	5578	19-Jul-14	T	2	0
R	1	110	19-Jul-14	ELCO	59.4	F755	F756		19-Jul-14	T	3	10
R	1	110	19-Jul-14	ELCO	64.9	F757	F758		19-Jul-14	T	4	0
R	1	120	19-Jul-14	ELCO	48.1	F759	F760	5598	19-Jul-14	T	2	10
R	1	120	19-Jul-14	ELCO	80.4	F761	F762		19-Jul-14	T	2	0
R	1	120	19-Jul-14	ELCO	73.9	F763	F764	553B	19-Jul-14	T	4	20
R	1	120	19-Jul-14	ELCO	75.4	F765	F766		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	57.3	F767	F768		19-Jul-14	T	4	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	120	19-Jul-14	ELCO	72.6	F769	F770		19-Jul-14	T	2	20
R	1	120	19-Jul-14	ELCO	65.6	F771	F772		19-Jul-14	T	4	30
R	1	120	19-Jul-14	ELCO	70.4	F773	F774	5562	19-Jul-14	T	3	20
R	1	120	19-Jul-14	ELCO	61.0	F775	F776		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	65.1	F777	F778		19-Jul-14	T	3	20
R	1	120	19-Jul-14	ELCO	74.8	F779	F780		19-Jul-14	T	3	20
R	1	120	19-Jul-14	ELCO	67.8	F781	F782		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	53.8	F783	F784	5576	19-Jul-14	T	2	0
R	1	120	19-Jul-14	ELCO	82.6	F785	F786		19-Jul-14	T	4	0
R	1	120	19-Jul-14	ELCO	75.2	F787	F788					
R	1	120	19-Jul-14	ELCO	69.1	F789	F790		19-Jul-14	T	2	10
R	1	120	19-Jul-14	ELCO	53.0	F791	F792		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	63.5	F793	F794	5585	19-Jul-14	T	2	30
R	1	120	19-Jul-14	ELCO	65.7	F795	F796		19-Jul-14	T	4	0
R	1	120	19-Jul-14	ELCO	68.0	F797	F798		19-Jul-14	T	4	30
R	1	120	19-Jul-14	ELCO	67.0	F799	F800		19-Jul-14	T	3	10
R	1	120	19-Jul-14	ELCO	76.4	F801	F802		19-Jul-14	T	3	10
R	1	120	19-Jul-14	ELCO	62.2	F803	F804	557D	19-Jul-14	T	3	10
R	1	120	19-Jul-14	ELCO	70.1	F805	F806		19-Jul-14	T	3	0
R	1	120	19-Jul-14	ELCO	66.3	F807	F808		19-Jul-14	T	4	20
R	1	120	19-Jul-14	ELCO	65.9	F809	F810		19-Jul-14	T	2	0
R	1	120	19-Jul-14	ELCO	50.2	F811	F812		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	59.3	F813	F814	556A	19-Jul-14	T	4	0
R	1	120	19-Jul-14	ELCO	71.4	F815	F816		19-Jul-14	T	1	30
R	1	120	19-Jul-14	ELCO	70.1	F817	F818		19-Jul-14	T	2	0
R	1	120	19-Jul-14	ELCO	61.2	F819	F820		19-Jul-14	T	4	10
R	1	120	19-Jul-14	ELCO	76.5	F821	F822		19-Jul-14	T	3	10
R	1	120	19-Jul-14	ELCO	79.8	F823	F824	5579	19-Jul-14	T	3	0
R	1	120	19-Jul-14	ELCO	61.8	F825	F826		19-Jul-14	T	1	20
R	1	120	19-Jul-14	ELCO	56.1	F827	F828		19-Jul-14	T	3	0
R	1	120	19-Jul-14	ELCO	64.1	F829	F830		19-Jul-14	T	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	120	19-Jul-14	ELCO	69.1	F831	F832		19-Jul-14	T	1	10
R	1	120	19-Jul-14	ELCO	77.2	F833	F834	5597	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	74.4	F835	F836		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	67.3	F837	F838		19-Jul-14	T	1	10
R	1	120	19-Jul-14	ELCO	84.1	F839	F840		19-Jul-14	T	1	10
R	1	120	19-Jul-14	ELCO	74.0	F841	F842		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	61.6	F843	F844	558B	19-Jul-14	T	3	0
R	1	120	19-Jul-14	ELCO	63.0	F845	F846		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	71.5	F847	F848		19-Jul-14	T	1	10
R	1	120	19-Jul-14	ELCO	69.7	F849	F850		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	41.9	F851	F852	5601	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	42.2	F853	F854	558C	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	50.6	F855	F856	557C	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	72.9	F857	F858		19-Jul-14	T	1	10
R	1	120	19-Jul-14	ELCO	60.0	F859	F860		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	47.2	F861	F862	553E	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	51.7	F863	F864	5538	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	57.1	F865	F866		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	61.1	F867	F868		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	70.8	F869	F870		19-Jul-14	T	1	10
R	1	120	19-Jul-14	ELCO	73.7	F871	F872		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	69.6	F873	F874	5569	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	77.4	F875	F876		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	62.1	F877	F878		19-Jul-14	T	1	10
R	1	120	19-Jul-14	ELCO	58.4	F879	F880		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	69.5	F881	F882		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	65.7	F883	F884	559B	19-Jul-14	T	1	30
R	1	120	19-Jul-14	ELCO	50.1	F885	F886		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	51.3	F887	F888		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	41.2	F889	F890	5650	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	45.6	F891	F892	5557	19-Jul-14	T	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	120	19-Jul-14	ELCO	62.1	F893	F894	5543	19-Jul-14	T	3	0
R	1	120	19-Jul-14	ELCO	45.6	F895	F896	560A	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	43.7	F897	F898	5654	19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	55.7	F899	F900		19-Jul-14	T	1	0
R	1	120	19-Jul-14	ELCO	44.1	F901	F902	565A	19-Jul-14	T	1	30
R	1	130	19-Jul-14	ELCO	60.2	F903	F904	557F	19-Jul-14	T	1	10
R	1	130	19-Jul-14	ELCO	45.8	F905	F906	558F	19-Jul-14	T	1	10
R	1	130	19-Jul-14	ELCO	67.6	F907	F908		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	65.2	F909	F910		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	81.1	F911	F912		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	57.9	F913	F914	5613	19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	62.0	F915	F916		19-Jul-14	T	1	10
R	1	130	19-Jul-14	ELCO	69.2	F917	F918		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	78.9	F919	F920		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	67.4	F921	F922		19-Jul-14	T	1	10
R	1	130	19-Jul-14	ELCO	65.5	F923	F924	555F	19-Jul-14	T	3	10
R	1	130	19-Jul-14	ELCO	66.8	F925	F926		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	54.5	F927	F928		19-Jul-14	T	1	10
R	1	130	19-Jul-14	ELCO	74.4	F929	F930		19-Jul-14	T	1	10
R	1	130	19-Jul-14	ELCO	76.8	F931	F932		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	71.4	H873	H872	557B	19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	66.4	F935	F936		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	63.6	F937	F938		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	72.8	F939	F940		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	67.1	F941	F942		19-Jul-14	T	1	30
R	1	130	19-Jul-14	ELCO	74.6	F943	F944	558D	19-Jul-14	T	1	10
R	1	130	19-Jul-14	ELCO	68.5	F945	F946		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	70.6	F947	F948		19-Jul-14	T	3	0
R	1	130	19-Jul-14	ELCO	75.8	F949	F950		19-Jul-14	T	1	30
R	1	130	19-Jul-14	ELCO	74.2	F951	F952		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	66.7	F953	F954	5591	19-Jul-14	T	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	130	19-Jul-14	ELCO	49.4	F955	F956	5590	19-Jul-14	T	1	20
R	1	130	19-Jul-14	ELCO	54.5	F957	F958		19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	47.2	F959	F960	5581	19-Jul-14	T	1	0
R	1	130	19-Jul-14	ELCO	64.1	F961	F962		19-Jul-14	T	1	10
R	1	130	19-Jul-14	ELCO	47.2	F963	F964	5658	19-Jul-14	T	1	0
R	1	140	22-Jul-14	ELCO	82.9	F965	F966		22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	65.8	F967	F968		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	74.0	F969	F970		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	69.5	F971	F972		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	67.3	F973	F974	565D	22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	70.3	F975	F976		23-Jul-14	T	3 to 4	
R	1	140	22-Jul-14	ELCO	72.1	F977	F978		22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	70.6	F979	F980		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	62.1	F981	F982		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	66.8	F983	F984	5607	23-Jul-14	T	2 to 3	
R	1	140	22-Jul-14	ELCO	73.7	F985	F986		22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	70.8	F987	F988		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	64.6	F989	F990		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	72.8	F991	F992		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	84.1	F993	F994	562F	22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	77.0	F995	F996		22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	63.2	F997	F998		22-Jul-14	T	4	30
R	1	360	22-Jul-14	ELCO	68.9	D147	D148		23-Jul-14	T	2 to 3	
R	1	310	22-Jul-14	ELCO	60.7	D149	D150		23-Jul-14	T	3 to 4	
R	1	310	22-Jul-14	ELCO	60.3	D151	D152		23-Jul-14	T	3 to 4	
R	1	310	22-Jul-14	ELCO	58.4	D153	D154		23-Jul-14	T	3 to 4	
R	1	310	22-Jul-14	ELCO	75.9	D155	D156		23-Jul-14	T	3 to 4	
R	1	310	22-Jul-14	ELCO	67.0	D157	D158	55E7	23-Jul-14	T	1 to 2	
R	1	310	22-Jul-14	ELCO	52.0	D159	D160		23-Jul-14	T	3 to 4	
R	1	310	22-Jul-14	ELCO	54.2	D161	D162		23-Jul-14	T	3 to 4	
R	1	210	22-Jul-14	ELCO	91.6	D163	D164		23-Jul-14	T	3 to 4	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	210	22-Jul-14	ELCO	42.2	D165	D166	55EC	23-Jul-14	T	1 to 2	
R	1	210	22-Jul-14	ELCO	76.1	D167	D168	55A5	23-Jul-14	T	1 to 2	
R	1	210	22-Jul-14	ELCO	83.8	D169	D170		23-Jul-14	T	1 to 2	
R	1	210	22-Jul-14	ELCO	79.3	D171	D172		23-Jul-14	T	3 to 4	
R	1	210	22-Jul-14	ELCO	74.3	D173	D174		23-Jul-14	T	3 to 4	
R	1	210	22-Jul-14	ELCO	63.8	D175	D176		23-Jul-14	T	3 to 4	
R	1	210	22-Jul-14	ELCO	71.5	D177	D178	55CA	23-Jul-14	T	1 to 2	
R	1	210	22-Jul-14	ELCO	73.6	D179	D180		23-Jul-14	T	3 to 4	
R	1	210	22-Jul-14	ELCO	61.2	D181	D182		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	89.1	D183	D184		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	90.5	D185	D186		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	52.6	D187	D188	55ED	23-Jul-14	T	1 to 2	
R	1	240	22-Jul-14	ELCO	74.3	D189	D190		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	80.0	D191	D192		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	74.6	D193	D194		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	68.8	D195	D196		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	68.2	D197	D198	55D4	23-Jul-14	T	1 to 2	
R	1	360	22-Jul-14	ELCO	66.3	D201	D200	55D3	23-Jul-14	T	1 to 2	
R	1	360	22-Jul-14	ELCO	70.5	D203	D202		23-Jul-14	T	2 to 3	
R	1	360	22-Jul-14	ELCO	60.8	D205	D204		23-Jul-14	T	2 to 3	
R	1	360	22-Jul-14	ELCO	71.9	D207	D206		23-Jul-14	T	2 to 3	
R	1	360	22-Jul-14	ELCO	51.9	D209	D208		23-Jul-14	T	2 to 3	
R	1	360	22-Jul-14	ELCO	52.9	D211	D210	55A6	23-Jul-14	T	1 to 2	
R	1	360	22-Jul-14	ELCO	76.6	D213	D212		23-Jul-14	T	2 to 3	
R	1	360	22-Jul-14	ELCO	69.3	D215	D214		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	73.2	D217	D216		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	64.1	D219	D218		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	74.4	D221	D220	55FE	23-Jul-14	T	1 to 2	
R	1	320	22-Jul-14	ELCO	59.4	D223	D222		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	63.6	D225	D224		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	65.7	D227	D226		23-Jul-14	T	2 to 3	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	320	22-Jul-14	ELCO	64.5	D229	D228		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	49.5	D231	D230	55D2	23-Jul-14	T	1 to 2	
R	1	320	22-Jul-14	ELCO	78.3	D233	D232		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	69.5	D235	D234		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	63.6	D237	D236		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	72.2	D239	D238		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	65.6	D241	D240	55F1	23-Jul-14	T	1 to 2	
R	1	320	22-Jul-14	ELCO	77.1	D243	D242		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	69.9	D245	D244		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	63.5	D247	D246		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	59.5	D249	D248		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	64.2	D251	D250	55F5	23-Jul-14	T	1 to 2	
R	1	320	22-Jul-14	ELCO	62.0	D253	D252		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	63.5	D255	D254		23-Jul-14	T	2 to 3	
R	1	320	22-Jul-14	ELCO	65.4	D257	D256		23-Jul-14	T	2 to 3	
R	1	200	22-Jul-14	STUN	56.2	D259	D258	55BF	23-Jul-14	T		0
R	1	220	22-Jul-14	ELCO	84.2	D261	D260	54CD	23-Jul-14	T	1 to 2	
R	1	220	22-Jul-14	ELCO	78.5	D263	D262		23-Jul-14	T	1 to 2	
R	1	220	22-Jul-14	ELCO	67.5	D265	D264		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	92.1	D267	D266		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	77.4	D269	D268		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	70.3	D271	D270	562C	23-Jul-14	T	1 to 2	
R	1	220	22-Jul-14	ELCO	79.6	D273	D272		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	81.8	D275	D274		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	75.8	D277	D276		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	78.4	D279	D278		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	72.5	D281	D280	55EA	23-Jul-14	T	1 to 2	
R	1	220	22-Jul-14	ELCO	64.6	D283	D282		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	77.8	D285	D284		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	67.5	D287	D286		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	72.0	D289	D288		23-Jul-14	T	3 to 4	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	220	22-Jul-14	ELCO	71.1	D291	D290	55FF	23-Jul-14	T	1 to 2	
R	1	220	22-Jul-14	ELCO	83.0	D293	D292		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	61.6	D295	D294		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	74.5	D297	D296		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	73.1	D299	D298		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	54.5	D301	D300		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	58.9	D303	D302		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	71.2	D305	D304		23-Jul-14	T	3 to 4	
R	1	240	22-Jul-14	ELCO	66.9	D307	D306		23-Jul-14	T	3 to 4	
R	1	220	22-Jul-14	ELCO	73.9	D309	D308	55B1	23-Jul-14	T	1 to 2	
R	1	180	22-Jul-14	ELCO	68.9	E001	E000		22-Jul-14	T	3	0
R	1	180	22-Jul-14	ELCO	76.1	E003	E002		22-Jul-14	T	3	10
R	1	180	22-Jul-14	ELCO	87.4	E005	E004		22-Jul-14	T	4	0
R	1	180	22-Jul-14	ELCO	66.4	E007	E006		22-Jul-14	T	3	20
R	1	180	22-Jul-14	ELCO	65.9	E009	E008	560B	23-Jul-14	T	2 to 3	
R	1	180	22-Jul-14	ELCO	70.4	E011	E010		22-Jul-14	T	3	0
R	1	180	22-Jul-14	ELCO	76.1	E013	E012		22-Jul-14	T	3	10
R	1	180	22-Jul-14	ELCO	75.3	E015	E014		22-Jul-14	T	3	0
R	1	180	22-Jul-14	ELCO	76.0	E017	E016		22-Jul-14	T	3	10
R	1	180	22-Jul-14	ELCO	78.2	E019	E018	5657	22-Jul-14	T	4	0
R	1	180	22-Jul-14	ELCO	75.1	E021	E020		22-Jul-14	T	3	10
R	1	180	22-Jul-14	ELCO	80.5	E023	E022		22-Jul-14	T	3	20
R	1	180	22-Jul-14	ELCO	81.5	E025	E024		22-Jul-14	T	3	20
R	1	180	22-Jul-14	ELCO	62.0	E027	E026		22-Jul-14	T	3	0
R	1	180	22-Jul-14	ELCO	85.0	E029	E028	5614	22-Jul-14	T	4	10
R	1	180	22-Jul-14	ELCO	78.1	E031	E030		22-Jul-14	T	4	0
R	1	180	22-Jul-14	ELCO	70.8	E033	E032		22-Jul-14	T	3	0
R	1	180	22-Jul-14	ELCO	76.7	E035	E034		22-Jul-14	T	3	20
R	1	180	22-Jul-14	ELCO	44.9	E037	E036	561A	23-Jul-14	T	2 to 3	
R	1	180	22-Jul-14	ELCO	77.7	E039	E038		22-Jul-14	T	4	30
R	1	180	22-Jul-14	ELCO	84.5	E041	E040		22-Jul-14	T	3	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	180	22-Jul-14	ELCO	68.7	E043	E042		22-Jul-14	T	3	10
R	1	180	22-Jul-14	ELCO	72.8	E045	E044		22-Jul-14	T	3	20
R	1	180	22-Jul-14	ELCO	81.4	E047	E046		22-Jul-14	T	3	10
R	1	180	22-Jul-14	ELCO	73.0	E049	E048	561C	23-Jul-14	T	1 to 2	
R	1	180	22-Jul-14	ELCO	78.0	E051	E050		22-Jul-14	T	3	0
R	1	180	22-Jul-14	ELCO	69.2	E053	E052		22-Jul-14	T	4	0
R	1	180	22-Jul-14	ELCO	73.4	E055	E054		22-Jul-14	T	3	20
R	1	180	22-Jul-14	ELCO	56.4	E057	E056		22-Jul-14	T	4	0
R	1	180	22-Jul-14	ELCO	76.4	E059	E058	564D	22-Jul-14	T	4	20
R	1	180	22-Jul-14	ELCO	68.9	E061	E060		22-Jul-14	T	3	20
R	1	180	22-Jul-14	ELCO	68.8	E063	E062		22-Jul-14	T	4	0
R	1	180	22-Jul-14	ELCO	70.5	E065	E064		22-Jul-14	T	4	0
R	1	180	22-Jul-14	ELCO	73.1	E067	E066		22-Jul-14	T	4	0
R	1	180	22-Jul-14	ELCO	64.7	E069	E068	5612	22-Jul-14	T	4	20
R	1	180	22-Jul-14	ELCO	60.8	E071	E070		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	83.8	E073	E072		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	82.8	E075	E074		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	78.8	E077	E076		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	81.3	E079	E078	5653	22-Jul-14	T	5	20
R	1	190	22-Jul-14	ELCO	77.9	E081	E080		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	76.9	E083	E082		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	82.5	E085	E084		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	78.2	E087	E086		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	74.9	E089	E088	5647	23-Jul-14	T	3 to 4	
R	1	190	22-Jul-14	ELCO	79.9	E091	E090		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	76.6	E093	E092		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	62.4	E095	E094		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	69.4	E097	E096		22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	66.5	E099	E098	563B	23-Jul-14	T	3 to 4	
R	1	190	22-Jul-14	ELCO	73.4	E101	E100		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	75.7	E103	E102		22-Jul-14	T	3	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	190	22-Jul-14	ELCO	75.4	E105	E104		22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	70.7	E107	E106		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	76.1	E109	E108	565B	22-Jul-14	T	4	20
R	1	190	22-Jul-14	ELCO	82.0	E111	E110		22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	66.7	E113	E112		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	63.9	E115	E114		22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	75.4	E117	E116		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	73.3	E119	E118	5619	22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	79.1	E121	E120		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	76.8	E123	E122		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	71.1	E125	E124		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	74.1	E127	E126		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	80.3	E129	E128	5636	22-Jul-14	T	4	20
R	1	190	22-Jul-14	ELCO	66.7	E131	E130		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	60.6	E133	E132		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	76.5	E135	E134		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	74.6	E137	E136		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	60.4	E139	E138	5642	23-Jul-14	T	2 to 3	
R	1	190	22-Jul-14	ELCO	72.8	E141	E140		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	79.1	E143	E142		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	81.0	E145	E144		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	71.0	E147	E146		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	70.4	E149	E148	5649	22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	67.1	E151	E150		22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	75.7	E153	E152		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	64.0	E155	E154		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	65.5	E157	E156		22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	74.5	E159	E158	5625	22-Jul-14	T	4	10
R	1	190	22-Jul-14	ELCO	84.4	E161	E160		22-Jul-14	T	3	30
R	1	190	22-Jul-14	ELCO	64.9	H885	H884		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	63.3	E165	E164		22-Jul-14	T	3	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	190	22-Jul-14	ELCO	46.7	E167	E166	563E	23-Jul-14	T	1 to 2	
R	1	190	22-Jul-14	ELCO	70.2	E169	E168	5663	23-Jul-14	T	2 to 3	
R	1	190	22-Jul-14	ELCO	68.1	E171	E170		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	62.4	E173	E172		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	66.4	E175	E174		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	75.5	E177	E176		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	64.1	E179	E178	5659	22-Jul-14	T	4	20
R	1	190	22-Jul-14	ELCO	70.5	E181	E180		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	78.3	G947	G946		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	83.6	E185	E184		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	64.5	E187	E186		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	70.5	E189	E188	5652	22-Jul-14	T	4	30
R	1	190	22-Jul-14	ELCO	70.9	E191	E190		22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	64.9	E193	E192		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	81.4	E195	E194		22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	66.7	E197	E196		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	71.8	E199	E198	561B	22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	66.8	E201	E200		22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	48.8	E203	E202	5661	22-Jul-14	T	3	10
R	1	140	22-Jul-14	ELCO	73.9	E205	E204	560C	22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	72.8	E207	E206		22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	88.2	E209	E208		23-Jul-14	T	3 to 4	
R	1	140	22-Jul-14	ELCO	65.8	E211	E210		23-Jul-14	T	3 to 4	
R	1	140	22-Jul-14	ELCO	60.3	E213	E212		23-Jul-14	T	1 to 2	
R	1	140	22-Jul-14	ELCO	69.8	E215	E214	562B	22-Jul-14	T	3	0
R	1	140	22-Jul-14	ELCO	66.7	E217	E216		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	71.4	E219	E218		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	65.0	E221	E220		22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	72.6	H723	H722		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	78.8	E225	E224	5634	22-Jul-14	T	3	0
R	1	140	22-Jul-14	ELCO	70.8	E227	E226		23-Jul-14	T	2 to 3	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	140	22-Jul-14	ELCO	76.0	E229	E228		22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	79.2	E231	E230		23-Jul-14	T	3 to 4	
R	1	140	22-Jul-14	ELCO	64.9	E233	E232		23-Jul-14	T	1 to 2	
R	1	140	22-Jul-14	ELCO	61.8	E235	E234	5610	22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	50.5	E237	E236		23-Jul-14	T	3 to 4	
R	1	140	22-Jul-14	ELCO	51.7	E239	E238		23-Jul-14	T	3 to 4	
R	1	140	22-Jul-14	ELCO	74.9	E241	E240		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	66.7	E243	E242		22-Jul-14	T	4	0
R	1	140	22-Jul-14	ELCO	72.1	H879	H878	5621	22-Jul-14	T	4	0
R	1	140	22-Jul-14	ELCO	55.6	E247	E246		22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	71.5	E249	E248		22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	67.5	E251	E250		22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	68.5	E253	E252		22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	76.0	H867	H866	561F	22-Jul-14	T	3	20
R	1	140	22-Jul-14	ELCO	75.0	H718	H719		22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	57.8	E259	E258		23-Jul-14	T	3 to 4	
R	1	140	22-Jul-14	ELCO	67.1	E261	E260		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	66.9	H887	H886		22-Jul-14	T	4	10
R	1	140	22-Jul-14	ELCO	59.3	E265	E264	5637	22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	71.4	E267	E266		23-Jul-14	T	3 to 4	
R	1	140	22-Jul-14	ELCO	74.8	H505	H504		22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	72.9	E271	E270		22-Jul-14	T	4	30
R	1	140	22-Jul-14	ELCO	76.1	E273	E272		22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	53.0	E275	E274	561D	22-Jul-14	T	4	0
R	1	140	22-Jul-14	ELCO	61.8	E277	E276		22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	68.2	E279	E278		22-Jul-14	T	4	20
R	1	140	22-Jul-14	ELCO	49.3	E281	E280	5628	22-Jul-14	T	5	30
R	1	290	22-Jul-14	ELCO	65.0	E283	E282		22-Jul-14	T	4	20
R	1	290	22-Jul-14	ELCO	72.3	E285	E284	5602	23-Jul-14	T	1 to 2	
R	1	290	22-Jul-14	ELCO	62.2	E287	E286		22-Jul-14	T	4	0
R	1	290	22-Jul-14	ELCO	65.2	E289	E288		23-Jul-14	T	1 to 2	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	290	22-Jul-14	ELCO	72.0	E291	E290		23-Jul-14	T	3 to 4	
R	1	290	22-Jul-14	ELCO	75.8	E293	E292		22-Jul-14	T	4	10
R	1	290	22-Jul-14	ELCO	63.8	D996	D995	565F				
R	1	290	22-Jul-14	ELCO	78.5	E297	E296		22-Jul-14	T	4	20
R	1	290	22-Jul-14	ELCO	59.0	E299	E298		23-Jul-14	T	3 to 4	
R	1	290	22-Jul-14	ELCO	77.4	E301	E300		23-Jul-14	T	1 to 2	
R	1	290	22-Jul-14	ELCO	69.2	E303	E302		23-Jul-14	T	1 to 2	
R	1	290	22-Jul-14	ELCO	73.6	E305	E304	560E	22-Jul-14	T	3	0
R	1	290	22-Jul-14	ELCO	71.8	E307	E306		22-Jul-14	T	4	20
R	1	290	22-Jul-14	ELCO	64.3	E309	E308		22-Jul-14	T	4	0
R	1	290	22-Jul-14	ELCO	70.1	E311	E310		22-Jul-14	T	4	10
R	1	290	22-Jul-14	ELCO	66.9	E313	E312		22-Jul-14	T	4	10
R	1	290	22-Jul-14	ELCO	61.3	E315	E314	5639	22-Jul-14	T	4	30
R	1	290	22-Jul-14	ELCO	69.3	E317	E316		22-Jul-14	T	4	20
R	1	290	22-Jul-14	ELCO	68.1	E319	E318		23-Jul-14	T	3 to 4	
R	1	290	22-Jul-14	ELCO	53.3	E321	E320		23-Jul-14	T	3 to 4	
R	1	290	22-Jul-14	ELCO	59.4	E323	E322		23-Jul-14	T	3 to 4	
R	1	290	22-Jul-14	ELCO	74.9	E325	E324	564E	22-Jul-14	T	3	10
R	1	290	22-Jul-14	ELCO	60.6	E327	E326		22-Jul-14	T	4	0
R	1	290	22-Jul-14	ELCO	68.1	E329	E328		23-Jul-14	T	2 to 3	
R	1	290	22-Jul-14	ELCO	73.8	E331	E330		23-Jul-14	T	3 to 4	
R	1	290	22-Jul-14	ELCO	71.0	E333	E332		22-Jul-14	T	4	20
R	1	290	22-Jul-14	ELCO	46.9	E335	E334	5623	23-Jul-14	T	2 to 3	
R	1	290	22-Jul-14	ELCO	72.4	E337	E336		22-Jul-14	T	4	20
R	1	290	22-Jul-14	ELCO	65.2	E339	E338		23-Jul-14	T	1 to 2	
R	1	290	22-Jul-14	ELCO	70.5	E341	E340		22-Jul-14	T	4	30
R	1	200	22-Jul-14	ELCO	71.3	E343	E342		23-Jul-14	T	2 to 3	
R	1	200	22-Jul-14	ELCO	81.6	E345	E344	5643	22-Jul-14	T	4	0
R	1	200	22-Jul-14	ELCO	66.7	E347	E346		23-Jul-14	T	1 to 2	
R	1	200	22-Jul-14	ELCO	74.3	E349	E348		22-Jul-14	T	4	20
R	1	200	22-Jul-14	ELCO	72.5	E351	E350		22-Jul-14	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	200	22-Jul-14	ELCO	68.0	E353	E352		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	73.5	E355	E354	563A	22-Jul-14	T	3	30
R	1	200	22-Jul-14	ELCO	58.4	E357	E356		22-Jul-14	T	4	10
R	1	200	22-Jul-14	ELCO	68.5	E359	E358		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	84.0	E361	E360		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	75.9	E363	E362		22-Jul-14	T	4	10
R	1	200	22-Jul-14	ELCO	71.0	E365	E364	563D	22-Jul-14	T	4	0
R	1	200	22-Jul-14	ELCO	71.2	E367	E366		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	72.5	E369	E368		22-Jul-14	T	4	10
R	1	200	22-Jul-14	ELCO	76.1	E371	E370		22-Jul-14	T	4	30
R	1	200	22-Jul-14	ELCO	83.2	E373	E372		22-Jul-14	T	4	10
R	1	200	22-Jul-14	ELCO	60.5	E375	E374	5648	23-Jul-14	T	1 to 2	
R	1	200	22-Jul-14	ELCO	82.3	E377	E376		23-Jul-14	T	1 to 2	
R	1	200	22-Jul-14	ELCO	73.8	E379	E378		23-Jul-14	T	1 to 2	
R	1	200	22-Jul-14	ELCO	64.1	E381	E380		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	72.4	E383	E382		23-Jul-14	T	2 to 3	
R	1	200	22-Jul-14	ELCO	81.6	E385	E384	5608	22-Jul-14	T	3	0
R	1	200	22-Jul-14	ELCO	65.8	E387	E386		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	74.1	E389	E388		23-Jul-14	T	2 to 3	
R	1	200	22-Jul-14	ELCO	61.4	E391	E390		23-Jul-14	T	2 to 3	
R	1	200	22-Jul-14	ELCO	74.5	E393	E392		22-Jul-14	T	4	20
R	1	200	22-Jul-14	ELCO	58.0	E395	E394	5629	22-Jul-14	T	4	30
R	1	200	22-Jul-14	ELCO	72.4	E397	E396		22-Jul-14	T	4	20
R	1	200	22-Jul-14	ELCO	82.9	E399	E398		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	73.2	E401	E400		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	76.7	E403	E402		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	78.6	E405	E404		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	76.6	E407	E406		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	71.0	E409	E408	5655	22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	74.2	E411	E410		22-Jul-14	T	3	0
R	1	190	22-Jul-14	ELCO	62.0	E413	E412		22-Jul-14	T	4	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	190	22-Jul-14	ELCO	81.3	E415	E414		22-Jul-14	T	3	30
R	1	190	22-Jul-14	ELCO	75.4	E417	E416		22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	71.0	E419	E418	548A	23-Jul-14	T	2 to 3	
R	1	190	22-Jul-14	ELCO	67.8	E421	E420		22-Jul-14	T	3	20
R	1	190	22-Jul-14	ELCO	66.5	E423	E422		22-Jul-14	T	3	30
R	1	190	22-Jul-14	ELCO	69.1	E425	E424		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	82.7	E427	E426		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	50.9	E429	E428	5633	22-Jul-14	T	3	10
R	1	190	22-Jul-14	ELCO	79.6	E431	E430		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	67.2	E433	E432		22-Jul-14	T	4	0
R	1	190	22-Jul-14	ELCO	52.3	E435	E434		22-Jul-14	T	3	20
R	1	160	22-Jul-14	ELCO	98.7	E437	E436		23-Jul-14	T	3 to 4	
R	1	160	22-Jul-14	ELCO	82.2	E439	E438	55FB	23-Jul-14	T	1 to 2	
R	1	160	22-Jul-14	ELCO	69.1	E441	E440		23-Jul-14	T	1 to 2	
R	1	160	22-Jul-14	ELCO	69.7	E443	E442		23-Jul-14	T	3 to 4	
R	1	160	22-Jul-14	ELCO	69.3	E445	E444		23-Jul-14	T	3 to 4	
R	1	160	22-Jul-14	ELCO	69.9	E447	E446		23-Jul-14	T	1 to 2	
R	1	160	22-Jul-14	ELCO	63.4	E449	E448	55B2	23-Jul-14	T	1 to 2	
R	1	160	22-Jul-14	ELCO	63.8	E451	E450		22-Jul-14	T	5	20
R	1	160	22-Jul-14	ELCO	84.3	E453	E452		23-Jul-14	T	3 to 4	
R	1	160	22-Jul-14	ELCO	62.0	E455	E454		23-Jul-14	T	2 to 3	
R	1	150	22-Jul-14	ELCO	70.0	E457	E456		23-Jul-14	T	3 to 4	
R	1	150	22-Jul-14	ELCO	70.1	E459	E458	55AB	23-Jul-14	T	1 to 2	
R	1	150	22-Jul-14	ELCO	78.2	E461	E460		23-Jul-14	T	3 to 4	
R	1	150	22-Jul-14	ELCO	62.1	E463	E462		23-Jul-14	T	1 to 2	
R	1	150	22-Jul-14	ELCO	76.0	E465	E464		23-Jul-14	T	3 to 4	
R	1	150	22-Jul-14	ELCO	65.5	E467	E466		23-Jul-14	T	1 to 2	
R	1	170	22-Jul-14	ELCO	64.0	E469	E468	55CA	23-Jul-14	T	1 to 2	
R	1	170	22-Jul-14	ELCO	61.9	E471	E470		23-Jul-14	T	2 to 3	
R	1	170	22-Jul-14	ELCO	66.4	E473	E472		23-Jul-14	T	3 to 4	
R	1	170	22-Jul-14	ELCO	57.1	E475	E474		23-Jul-14	T	3 to 4	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	170	22-Jul-14	ELCO	74.0	E477	E476		23-Jul-14	T	3 to 4	
R	1	170	22-Jul-14	ELCO	72.0	E479	E478	55A9	23-Jul-14	T	1 to 2	
R	1	170	22-Jul-14	ELCO	70.8	E481	E480		23-Jul-14	T	3 to 4	
R	1	170	22-Jul-14	ELCO	75.7	E483	E482		22-Jul-14	T	5	0
R	1	170	22-Jul-14	ELCO	66.8	E485	E484		22-Jul-14	T	5	10
R	1	170	22-Jul-14	ELCO	57.9	E487	E486		23-Jul-14	T	3 to 4	
R	1	170	22-Jul-14	ELCO	73.2	E489	E488	55AD	23-Jul-14	T	1 to 2	
R	1	170	22-Jul-14	ELCO	73.1	E491	E490		23-Jul-14	T	3 to 4	
R	1	170	22-Jul-14	ELCO	71.1	E493	E492		23-Jul-14	T	3 to 4	
R	1	170	22-Jul-14	ELCO	68.6	E495	E494		23-Jul-14	T	3 to 4	
R	1	170	22-Jul-14	ELCO	44.7	E497	E496	55D7	23-Jul-14	T	1 to 2	
R	1	170	22-Jul-14	ELCO	62.4	E499	E498	55FC	23-Jul-14	T	1 to 2	
R	1	200	22-Jul-14	ELCO	79.5	E501	E500		22-Jul-14	T	4	30
R	1	200	22-Jul-14	ELCO	68.5	E503	E502		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	67.9	E505	E504	5600	22-Jul-14	T	4	0
R	1	200	22-Jul-14	ELCO	78.7	E507	E506		22-Jul-14	T	4	30
R	1	200	22-Jul-14	ELCO	70.8	E509	E508		22-Jul-14	T	4	0
R	1	200	22-Jul-14	ELCO	73.8	E511	E510		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	99.0	E513	E512		22-Jul-14	T	4	10
R	1	200	22-Jul-14	ELCO	70.6	E515	E514	565E	22-Jul-14	T	4	0
R	1	200	22-Jul-14	ELCO	73.8	E517	E516		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	78.7	E519	E518		22-Jul-14	T	4	30
R	1	200	22-Jul-14	ELCO	71.5	E521	E520		23-Jul-14	T	1 to 2	
R	1	200	22-Jul-14	ELCO	67.5	E523	E522		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	74.1	E525	E524	5604	22-Jul-14	T	3	20
R	1	200	22-Jul-14	ELCO	72.5	E527	E526		23-Jul-14	T	2 to 3	
R	1	200	22-Jul-14	ELCO	55.9	E529	E528		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	71.6	E531	E530		22-Jul-14	T	4	10
R	1	200	22-Jul-14	ELCO	74.1	E533	E532		22-Jul-14	T	4	20
R	1	200	22-Jul-14	ELCO	81.1	E535	E534	5624	22-Jul-14	T	4	0
R	1	200	22-Jul-14	ELCO	64.4	E537	E536		22-Jul-14	T	4	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	200	22-Jul-14	ELCO	63.6	E539	E538		22-Jul-14	T	4	30
R	1	200	22-Jul-14	ELCO	72.5	E541	E540		22-Jul-14	T	4	10
R	1	200	22-Jul-14	ELCO	90.0	E543	E542		22-Jul-14	T	4	20
R	1	200	22-Jul-14	ELCO	67.9	E545	E544	562A	22-Jul-14	T	4	30
R	1	200	22-Jul-14	ELCO	70.2	E547	E546		22-Jul-14	T	4	20
R	1	200	22-Jul-14	ELCO	60.0	E549	E548		23-Jul-14	T	3 to 4	
R	1	200	22-Jul-14	ELCO	86.6	E551	E550		23-Jul-14	T	2 to 3	
R	1	200	22-Jul-14	ELCO	74.8	E553	E552		22-Jul-14	T	4	20
R	1	200	22-Jul-14	ELCO	70.2	E555	E554	5616	22-Jul-14	T	3	20
R	1	200	22-Jul-14	ELCO	54.5	E557	E556		22-Jul-14	T	4	20
R	1	200	22-Jul-14	ELCO	75.7	E559	E558		23-Jul-14	T	2 to 3	
R	1	200	22-Jul-14	ELCO	71.2	E561	E560		23-Jul-14	T	1 to 2	
R	1	200	22-Jul-14	ELCO	63.9	E563	E562		23-Jul-14	T	1 to 2	
R	1	200	22-Jul-14	ELCO	59.4	E565	E564	5534	23-Jul-14	T	1 to 2	
R	1	200	22-Jul-14	ELCO	74.2	E567	E566		22-Jul-14	T	4	30
R	1	260	22-Jul-14	ELCO	96.1	E569	E568		22-Jul-14	T	5	20
R	1	260	22-Jul-14	ELCO	58.7	E571	E570		23-Jul-14	T	2 to 3	
R	1	260	22-Jul-14	ELCO	69.6	E573	E572		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	73.3	E575	E574	564C	22-Jul-14	T	5	10
R	1	260	22-Jul-14	ELCO	67.6	E577	E576		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	70.4	E579	E578		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	75.4	E581	E580		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	70.5	E583	E582		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	66.9	E585	E584	562C	23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	77.7	E587	E586		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	65.7	E589	E588		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	75.3	E591	E590		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	69.7	E593	E592		22-Jul-14	T	5	0
R	1	260	22-Jul-14	ELCO	60.5	E595	E594	565C	22-Jul-14	T	5	0
R	1	260	22-Jul-14	ELCO	57.4	E597	E596		23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	80.0	E599	E598		23-Jul-14	T	3 to 4	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	260	22-Jul-14	ELCO	59.6	E601	E600		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	75.0	E602	E612		22-Jul-14	T	5	0
R	1	260	22-Jul-14	ELCO	60.8	E603	E604	560D	23-Jul-14	T	2 to 3	
R	1	260	22-Jul-14	ELCO	69.8	E605	E614		22-Jul-14	T	5	0
R	1	260	22-Jul-14	ELCO	69.6	E607	E606		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	68.4	E608	E615		23-Jul-14	T	2 to 3	
R	1	260	22-Jul-14	ELCO	63.9	E609	E613		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	81.8	E611	E610		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	70.9	E617	E616	5641	23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	65.5	E619	E618		22-Jul-14	T	5	10
R	1	260	22-Jul-14	ELCO	64.8	E621	E620		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	61.6	H497	H496		23-Jul-14	T	2 to 3	
R	1	260	22-Jul-14	ELCO	65.8	E625	E624	564F	23-Jul-14	T	2 to 3	
R	1	260	22-Jul-14	ELCO	78.3	E627	E626		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	65.5	E629	E628		22-Jul-14	T	5	30
R	1	260	22-Jul-14	ELCO	59.8	E631	E630		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	80.3	E633	E632		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	71.5	E635	E634	5635	23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	68.0	E637	E636		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	70.3	E639	E638		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	75.9	E641	E640		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	76.3	E643	E642		22-Jul-14	T	5	20
R	1	260	22-Jul-14	ELCO	79.9	E645	E644	5632	23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	73.3	E647	E646		22-Jul-14	T	5	30
R	1	260	22-Jul-14	ELCO	61.1	E649	E648		22-Jul-14	T	5	10
R	1	260	22-Jul-14	ELCO	66.8	E651	E650		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	70.8	E653	E652		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	75.1	E655	E654	5618	23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	65.4	E657	E656		23-Jul-14	T	2 to 3	
R	1	260	22-Jul-14	ELCO	62.1	E659	E658		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	74.8	E661	E660		23-Jul-14	T	3 to 4	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	260	22-Jul-14	ELCO	73.9	E663	E662		22-Jul-14	T	5	10
R	1	260	22-Jul-14	ELCO	72.5	E665	E664	5630	23-Jul-14	T	2 to 3	
R	1	260	22-Jul-14	ELCO	61.4	E667	E666		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	76.1	E669	E668		22-Jul-14	T	5	20
R	1	260	22-Jul-14	ELCO	71.3	E671	E670		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	84.4	E673	E672		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	65.4	E675	E674	5646	23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	76.4	E677	E676		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	58.9	E679	E678		23-Jul-14	T	2 to 3	
R	1	260	22-Jul-14	ELCO	68.6	E681	E680		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	66.7	E683	E682		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	65.8	E685	E684	5609	23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	69.2	E687	E686		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	74.7	E689	E688		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	83.2	E691	E690		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	62.6	E693	E692		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	64.7	E695	E694	5656	23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	62.3	E697	E696		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	67.9	E699	E698		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	66.9	E701	E700		22-Jul-14	T	5	10
R	1	260	22-Jul-14	ELCO	63.0	E703	E702		22-Jul-14	T	5	30
R	1	260	22-Jul-14	ELCO	68.6	E705	E704	5615	22-Jul-14	T	5	30
R	1	260	22-Jul-14	ELCO	66.7	E707	E706		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	54.8	E709	E708		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	67.4	E711	E710		23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	68.8	E713	E712		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	70.3	E715	E714	5644	23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	59.4	E717	E716		22-Jul-14	T	5	30
R	1	260	22-Jul-14	ELCO	61.2	E719	E718		23-Jul-14	T	3 to 4	
R	1	260	22-Jul-14	ELCO	57.8	E721	E720		23-Jul-14	T	1 to 2	
R	1	260	22-Jul-14	ELCO	67.1	H502	H503		23-Jul-14	T	3 to 4	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	300	22-Jul-14	ELCO	67.7	E725	E724		23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	76.6	E727	E726		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	78.1	E729	E728		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	76.1	E731	E730		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	78.7	E733	E732	5640	22-Jul-14	T	5	20
R	1	300	22-Jul-14	ELCO	77.7	E735	E734		23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	67.5	E737	E736		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	78.9	E739	E738		22-Jul-14	T	5	30
R	1	300	22-Jul-14	ELCO	75.0	P081	P080		22-Jul-14	T	5	10
R	1	300	22-Jul-14	ELCO	70.4	E743	E742	562D	23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	68.8	E745	E744		23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	66.2	E747	E746		23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	65.3	E749	E748		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	73.2	E751	E750		23-Jul-14	T		
R	1	300	22-Jul-14	ELCO	68.9	E753	E752	5631	23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	74.3	E755	E754		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	86.9	E757	E756		22-Jul-14	T	5	10
R	1	300	22-Jul-14	ELCO	67.8	E759	E758		22-Jul-14	T	5	10
R	1	300	22-Jul-14	ELCO	75.8	E761	E760		23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	66.9	E763	E762	561E	23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	72.1	E765	E764		23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	80.7	E767	E766		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	66.5	E769	E768		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	68.7	H501	H500		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	66.3	E773	E772	5628	23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	63.8	E775	E774		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	64.1	E777	E776		23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	71.1	E779	E778		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	60.5	E781	E780		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	51.1	E783	E782	560G	23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	58.3	E785	E784		23-Jul-14	T	3 to 4	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	300	22-Jul-14	ELCO	73.6	E787	E786		22-Jul-14	T	5	30
R	1	300	22-Jul-14	ELCO	76.2	E789	E788		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	75.1	E791	E790		23-Jul-14	T		
R	1	300	22-Jul-14	ELCO	58.8	E793	E792	564B	23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	61.8	E795	E794		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	60.4	E797	E796		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	70.5	E799	E798		22-Jul-14	T	5	30
R	1	300	22-Jul-14	ELCO	63.9	E801	E800		23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	62.0	E803	E802	5622	23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	66.1	E805	E804		23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	80.1	E807	E806		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	60.9	E809	E808		23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	71.5	E811	E810		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	55.5	E813	E812	5651	23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	73.7	E815	E814		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	66.7	E817	D356		23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	69.8	E819	E818		22-Jul-14	T	5	30
R	1	300	22-Jul-14	ELCO	66.7	E821	E820		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	69.8	E823	E822	563F	23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	47.4	E825	E824	5627	23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	62.2	E827	E826		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	69.2	E829	E828		22-Jul-14	T	5	0
R	1	300	22-Jul-14	ELCO	74.3	E831	E830		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	60.5	E833	E832	563C	23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	51.2	E835	E834		22-Jul-14	T	5	10
R	1	300	22-Jul-14	ELCO	65.6	E837	E836		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	63.6	E839	E838		23-Jul-14	T	2 to 3	
R	1	300	22-Jul-14	ELCO	79.1	E841	E840		23-Jul-14	T	1 to 2	
R	1	300	22-Jul-14	ELCO	78.7	E843	E842	5645	22-Jul-14	T	5	30
R	1	300	22-Jul-14	ELCO	62.7	E845	E844		23-Jul-14	T	3 to 4	
R	1	300	22-Jul-14	ELCO	63.1	E847	E846		23-Jul-14	T	3 to 4	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	300	22-Jul-14	ELCO	64.1	E849	E848		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	67.5	E851	E850		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	52.3	E853	E852	5617	23-Jul-14	T	1 to 2	
R	1	280	22-Jul-14	ELCO	73.7	E855	E854		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	66.0	E857	E856		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	53.5	E859	E858		23-Jul-14	T	2 to 3	
R	1	280	22-Jul-14	ELCO	65.2	E861	E860		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	57.9	E863	E862	5603	23-Jul-14	T	1 to 2	
R	1	280	22-Jul-14	ELCO	73.2	E865	E864		23-Jul-14	T	2 to 3	
R	1	280	22-Jul-14	ELCO	74.0	E867	E866		23-Jul-14	T	2 to 3	
R	1	280	22-Jul-14	ELCO	68.3	E869	E868		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	76.3	E871	E870		23-Jul-14	T		
R	1	280	22-Jul-14	ELCO	78.5	E873	E872	5662	23-Jul-14	T	2 to 3	
R	1	280	22-Jul-14	ELCO	60.8	E875	E874		23-Jul-14	T	2 to 3	
R	1	280	22-Jul-14	ELCO	53.2	E877	E876		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	68.0	E879	E878		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	68.2	E881	E880		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	54.9	E883	E882		23-Jul-14	T	2 to 3	
R	1	280	22-Jul-14	ELCO	66.3	E885	E884	5606	23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	79.9	E887	E886		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	60.4	E889	E888		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	69.0	E891	E890		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	64.9	E893	E892	564A	23-Jul-14	T	2 to 3	
R	1	280	22-Jul-14	ELCO	48.9	E895	E894	5513	23-Jul-14	T	2 to 3	
R	1	280	22-Jul-14	ELCO	68.6	E897	E896		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	67.7	E899	E898		23-Jul-14	T	3 to 4	
R	1	280	22-Jul-14	ELCO	53.5	E901	E900		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	63.6	E903	E902		23-Jul-14	T	1 to 2	
R	1	270	22-Jul-14	ELCO	55.9	E905	E904		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	73.1	E907	E906		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	58.3	E909	E908		23-Jul-14	T	2 to 3	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	270	22-Jul-14	ELCO	70.7	E911	E910		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	79.0	E913	E912	55C3	23-Jul-14	T	1 to 2	
R	1	270	22-Jul-14	ELCO	77.4	E915	E914		22-Jul-14	T	5	30
R	1	270	22-Jul-14	ELCO	77.5	E917	E916		23-Jul-14	T	2 to 3	
R	1	270	22-Jul-14	ELCO	77.7	E919	E918		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	70.2	E921	E920		23-Jul-14	T	2 to 3	
R	1	270	22-Jul-14	ELCO	60.7	E923	E922	55A4	23-Jul-14	T	1 to 2	
R	1	270	22-Jul-14	ELCO	71.5	E925	E924		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	66.3	E927	E926		22-Jul-14	T	5	0
R	1	270	22-Jul-14	ELCO	68.0	E929	E928		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	71.2	E931	E930		22-Jul-14	T	5	0
R	1	270	22-Jul-14	ELCO	64.3	E933	E932	55C9	23-Jul-14	T	1 to 2	
R	1	270	22-Jul-14	ELCO	68.0	E935	E934		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	72.6	E937	E936		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	46.4	E939	E938	55D1	23-Jul-14	T	1 to 2	
R	1	270	22-Jul-14	ELCO	68.3	E941	E940		23-Jul-14	T	2 to 3	
R	1	270	22-Jul-14	ELCO	83.0	E943	E942	55CF	23-Jul-14	T	1 to 2	
R	1	270	22-Jul-14	ELCO	68.3	E945	E944		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	72.0	E947	E946		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	62.1	E949	E948		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	89.1	E951	E950		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	77.1	E953	E952	55C7	23-Jul-14	T	1 to 2	
R	1	270	22-Jul-14	ELCO	72.3	E955	E954		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	57.2	E957	E956		23-Jul-14	T	2 to 3	
R	1	270	22-Jul-14	ELCO	54.2	E959	E958		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	67.2	E961	E960		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	75.7	E963	E962	55CB	23-Jul-14	T	1 to 2	
R	1	270	22-Jul-14	ELCO	73.3	E965	E964		23-Jul-14	T	2 to 3	
R	1	270	22-Jul-14	ELCO	78.4	E967	E966		23-Jul-14	T	3 to 4	
R	1	270	22-Jul-14	ELCO	72.9	E969	E968		23-Jul-14	T	3 to 4	
R	1	350	22-Jul-14	ELCO	57.0	E971	E970		23-Jul-14	T	2 to 3	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	350	22-Jul-14	ELCO	65.3	E973	E972	559D	23-Jul-14	T	1 to 2	
R	1	340	22-Jul-14	ELCO	67.8	E975	E974		23-Jul-14	T		
R	1	340	22-Jul-14	ELCO	74.9	E977	E976		23-Jul-14	T	2 to 3	
R	1	340	22-Jul-14	ELCO	58.5	E979	E978		23-Jul-14	T	2 to 3	
R	1	340	22-Jul-14	ELCO	65.9	E981	E980		23-Jul-14	T	2 to 3	
R	1	340	22-Jul-14	ELCO	59.5	E983	E982		23-Jul-14	T	2 to 3	
R	1	330	22-Jul-14	ELCO	78.2	E985	E984		23-Jul-14	T	2 to 3	
R	1	330	22-Jul-14	ELCO	73.7	E987	E986		23-Jul-14	T	2 to 3	
R	1	330	22-Jul-14	ELCO	61.7	E989	E988		23-Jul-14	T	2 to 3	
R	1	360	22-Jul-14	ELCO	53.4	E991	E990		23-Jul-14	T	2 to 3	
R	1	360	22-Jul-14	ELCO	67.6	E993	E992	55DB	23-Jul-14	T	1 to 2	
R	1	360	22-Jul-14	ELCO	63.8	E995	E994		23-Jul-14	T	2 to 3	
R	1	360	22-Jul-14	ELCO	47.5	E997	E996		23-Jul-14	T	2 to 3	
R	1	360	22-Jul-14	ELCO	66.4	E999	E998		23-Jul-14	T	2 to 3	
R	1	250	23-Jul-14	ELCO	63.3	D311	D310	55B0	23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	74.0	D313	D312		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	75.3	D315	D314		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	57.2	D317	D316		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	73.7	D319	D318		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	65.5	D321	D320	55B3	23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	81.4	D323	D322		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	68.0	D325	D324		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	58.0	D327	D326		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	59.0	D329	D328		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	65.7	D331	D330	55C6	23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	68.7	D333	D332		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	56.9	D335	D334		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	70.8	D337	D336		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	71.2	D339	D338		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	61.5	D341	D340	559C	23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	73.9	D343	D342		23-Jul-14	T	1 to 2	

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	250	23-Jul-14	ELCO	61.5	D345	D344		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	87.8	D347	D346		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	65.5	D349	D348		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	61.2	D351	D350	562E	23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	63.4	D353	D352		23-Jul-14	T	1 to 2	
R	1	250	23-Jul-14	ELCO	69.5	D355	D354		23-Jul-14	T	1 to 2	
R	1	190	05-Aug-14	STUN	33.6	D357	D358	55E9	05-Aug-14	T		
C	1	0	25-Aug-14	ELCO	51.9	D359	D360		25-Aug-14	C	1	20
C	1	0	25-Aug-14	ELCO	52.1	D361	D362		25-Aug-14	C	1	10
C	1	0	25-Aug-14	ELCO	73.7	D363	D364		25-Aug-14	C	1	0
C	1	0	25-Aug-14	ELCO	52.6	D365	D366		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	47.5	D367	D368		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	59.5	D369	D370	55E8	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	63.3	D371	D372		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	73.2	D373	D374		25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	75.9	D375	D376		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	71.5	D379	D380		25-Aug-14	C	1	10
C	1	30	25-Aug-14	ELCO	57.0	D381	D382		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	71.7	D383	D384		25-Aug-14	C	1	20
C	1	30	25-Aug-14	ELCO	72.9	D385	D386		25-Aug-14	C	1	10
C	1	30	25-Aug-14	ELCO	85.5	D387	D388		25-Aug-14	C	1	0
C	1	0	25-Aug-14	ELCO	52.4	D389	D390	55F3	25-Aug-14	C	1	10
C	1	0	25-Aug-14	ELCO	65.8	D391	D392		25-Aug-14	C	1	10
C	1	0	25-Aug-14	ELCO	64.6	D393	D394		25-Aug-14	C	1	10
C	1	0	25-Aug-14	ELCO	49.4	D395	D396	55A1	25-Aug-14	C	1	0
C	1	0	25-Aug-14	ELCO	82.2	D397	D398		25-Aug-14	C	1	20
C	1	0	25-Aug-14	ELCO	68.5	D399	D400		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	72.0	D401	D402		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	59.9	D403	D404		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	52.7	D405	D406	55FA	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	41.4	D407	D408	55E2	25-Aug-14	C	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	25-Aug-14	ELCO	71.2	D409	D410		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	72.5	D411	D412		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	53.2	D413	D414		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	73.8	D415	D416		25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	74.2	D417	D418	55BE	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	57.0	D419	D420		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	74.2	D421	D422		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	75.8	D423	D424		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	68.9	D425	D426		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	76.0	D427	D428	55A8	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	71.9	D429	D430		25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	84.4	D431	D432		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO		D433	D434		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	74.6	D435	D436		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	68.9	D437	D438	55EA	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	75.6	D439	D440		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	65.1	D441	D442		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	61.0	D443	D444		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	66.4	D445	D446		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	74.4	D447	D448	559F	25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	79.1	D449	D450		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	54.4	D451	D452		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	51.5	D453	D454		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	55.9	D455	D456		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	54.8	D457	D458	55AC	25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	65.7	D459	D460		25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	66.2	D461	D462		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	66.4	D463	D464		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	48.0	D465	D466		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	66.8	D467	D468	55BA	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	64.0	D469	D470		25-Aug-14	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	25-Aug-14	ELCO	51.5	D471	D472		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	54.0	D473	D474		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	67.5	D475	D476	55C5	25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	50.5	D477	D478		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	56.7	D479	D480		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	74.5	D481	D482		25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	75.5	D483	D484		25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	50.5	D485	D486	55F9	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	38.5	D487	D488	55B4	25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	65.4	D489	D490		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	78.8	D491	D492		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	80.1	D493	D494		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	51.8	D495	D496		25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	49.9	D497	D498	55DC	25-Aug-14	C	1	30
C	1	10	25-Aug-14	ELCO	74.5	D499	D500		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	52.4	D501	D502		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	60.4	D503	D504		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	79.5	D505	D506		25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	33.6	D507	D508	55FD	25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	66.8	D509	D510		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	63.8	D511	D512		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	74.0	D513	D514		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	66.0	D515	D516		25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	34.4	D517	D518	55C0	25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	55.5	D519	D520		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	75.5	D521	D522		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	53.1	D523	D524		25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	63.2	D525	D526		25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	59.6	D527	D528	55B8	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	61.0	D529	D530		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	52.5	D531	D532		25-Aug-14	C	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	25-Aug-14	ELCO	49.8	D533	D534	55F8	25-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	46.3	D535	D536	55D5	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	47.9	D537	D538	55B7	25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	42.5	D539	D540	55D9	25-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	62.9	D541	D542		25-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	56.6	D543	D544		25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	67.1	D545	D546		25-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	80.4	D547	D548		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO	55.0	D549	D550	5502	25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	75.6	D551	D552		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO	61.3	D553	D554		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO	76.3	D555	D556		25-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	65.1	D557	D558		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO	61.5	D559	D560	55B6	25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	64.5	D561	D562		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO	65.5	H335	H334		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO	55.8	D565	D566		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO	68.5	D567	D568		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO	64.0	D569	D570	55AF	25-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	70.0	D571	D572		25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	53.2	D573	D574		25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	65.9	D575	D576		25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	69.9	D577	D578		25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	78.1	D579	D580	55E0	25-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	48.5	D581	D582		25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	55.9	D583	D584		25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	74.3	D585	D586		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO		D587	D588		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO	73.6	D589	D590	55DF	25-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO		D591	D592		25-Aug-14	C	1	0
C	1	20	25-Aug-14	ELCO		D593	D594		25-Aug-14	C	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	20	25-Aug-14	ELCO		D595	D596		25-Aug-14	C	1	10
C	1	20	25-Aug-14	ELCO	62.5	D597	D598		25-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	46.8	D599	D600	55BB	25-Aug-14	C	1	20
C	1	30	25-Aug-14	ELCO	69.9	D601	D602		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	68.5	D603	D604		25-Aug-14	C	1	20
C	1	30	25-Aug-14	ELCO	65.5	D605	D606		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	75.3	D607	D608		25-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	81.2	D609	D610	55BC	25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	81.0	D611	D612		25-Aug-14	C	1	10
C	1	30	25-Aug-14	ELCO	82.5	D613	D614		25-Aug-14	C	1	10
C	1	30	25-Aug-14	ELCO	72.7	D615	D616		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	35.9	D617	D618	55DA	25-Aug-14	C	1	20
C	1	30	25-Aug-14	ELCO	77.0	D619	D620		25-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	81.2	D621	D622		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	77.2	D623	D624		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	72.2	D625	D626		25-Aug-14	C	1	10
C	1	30	25-Aug-14	ELCO	71.5	D627	D628		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	72.0	D629	D630	55DE	25-Aug-14	C	1	10
C	1	30	25-Aug-14	ELCO	82.0	D631	D632		25-Aug-14	C	1	20
C	1	30	25-Aug-14	ELCO	74.5	H291	H290		25-Aug-14	C	1	10
C	1	30	25-Aug-14	ELCO	71.1	D635	D636		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	77.2	D637	D638		25-Aug-14	C	1	10
C	1	30	25-Aug-14	ELCO	59.2	D639	D640	55A2	25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	78.4	D641	D642		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	73.8	D643	D644		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	77.5	D645	D646		25-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	67.1	D647	D648		25-Aug-14	C	1	20
C	1	30	25-Aug-14	ELCO	61.5	D649	D650	55F4	25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	82.1	D651	D652		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	70.2	D653	D654		25-Aug-14	C	1	10
C	1	30	25-Aug-14	ELCO	76.7	D655	D656		25-Aug-14	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	30	25-Aug-14	ELCO	77.1	D657	D658		25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	81.2	D659	D660	55D6	25-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	73.9	D661	D662		25-Aug-14	C	1	10
C	1	0	25-Aug-14	ELCO	70.7	D857	D858		27-Aug-14	C	1	0
C	1	10	25-Aug-14	ELCO	69.9	D859	D860		27-Aug-14	C	1	10
C	1	0	25-Aug-14	ELCO	70.7	D861	D862		27-Aug-14	C	1	0
C	1	30	25-Aug-14	ELCO	76.4	D863	D864		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	65.9	D865	D866	55B5	27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	69.5	H343	H342		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	72.3	D869	D870		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	78.5	D871	D872		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	72.9	D873	D874		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	65.0	D875	D876	54B7	27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	81.0	D877	D878		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	72.8	D879	D880		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	81.8	D881	D882		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	90.7	D883	D884		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	61.2	D885	D886	5483	27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	65.8	D887	D888		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	67.8	D889	D890		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	77.6	D891	D892		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	70.2	D893	D894		27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	80.0	D895	D896	5475	27-Aug-14	C	1	30
C	1	30	25-Aug-14	ELCO	71.0	D897	D898		27-Aug-14	C	1	30
C	1	20	25-Aug-14	ELCO	65.0	D899	D900		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	59.1	D901	D902		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	72.9	D903	D904		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	53.5	D905	D906	5492	27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	65.1	D907	D908		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	69.6	D909	D910		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	96.9	D911	D912		27-Aug-14	C	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	20	25-Aug-14	ELCO	71.6	D913	D914		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	50.0	D915	D916	55A3	27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	55.8	D917	D918		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	51.3	D919	D920		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	68.8	D921	D922		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	72.1	D923	D924		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	71.9	D925	D926	54A6	27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	75.3	D927	D928		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	79.0	D929	D930		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	47.5	D931	D932	54D3	27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	67.3	D933	D934		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	50.0	D935	D936	54BD	27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	72.5	D937	D938		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	75.6	D939	D940		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	45.0	D941	D942	5499	27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	72.8	D943	D944		27-Aug-14	C	1	20
C	1	20	25-Aug-14	ELCO	67.4	D945	D946	5473	27-Aug-14	C	1	20
C	1	10	25-Aug-14	ELCO	47.6	D947	D948	5486	27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	62.4	D949	D950		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	68.4	D951	D952		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	55.4	D953	D954		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	54.0	D955	D956	549D	27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	83.3	D957	D958		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	66.1	D959	D960		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	81.0	D961	D962		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	47.7	D963	D964	5480	27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	48.3	D965	D966	5485	27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	68.5	D967	D968		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	64.1	D969	D970		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	60.3	D971	D972		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	75.3	D973	D974		27-Aug-14	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	25-Aug-14	ELCO	70.9	D975	D976	547B	27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	63.4	D977	D978		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	72.7	D979	D980		27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	35.3	D981	D982	5487	27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	34.6	D983	D984	54B0	27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	19.3	D985	D986	549F	27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	48.7	D987	D988	54C5	27-Aug-14	C	1	10
C	1	10	25-Aug-14	STUN	33.4	D989	D990	54D1	27-Aug-14	C	1	10
C	1	10	25-Aug-14	ELCO	19.5	D993	D994	5476	27-Aug-14	C	1	10
C	0	30	26-Aug-14	ELCO	74.4	D663	D664		26-Aug-14	C	0	20
C	0	30	26-Aug-14	ELCO	74.0	D665	D666		26-Aug-14	C	0	20
C	0	30	26-Aug-14	ELCO	53.5	D667	D668		26-Aug-14	C	0	0
C	0	20	26-Aug-14	ELCO	63.5	D669	D670		26-Aug-14	C	0	10
C	0	10	26-Aug-14	ELCO	49.9	D671	D672	55F0	26-Aug-14	C	0	20
C	0	10	26-Aug-14	ELCO	68.1	D673	D674		26-Aug-14	C	0	30
C	0	10	26-Aug-14	ELCO	53.9	D675	D676		26-Aug-14	C	0	30
C	0	10	26-Aug-14	ELCO	67.5	D677	D678		26-Aug-14	C	0	30
C	0	0	26-Aug-14	ELCO	55.9	D679	D680		26-Aug-14	C	0	0
C	0	0	26-Aug-14	ELCO	54.0	D681	D682	55F6	26-Aug-14	C	0	30
C	0	0	26-Aug-14	ELCO	63.2	D683	D684		26-Aug-14	C	0	20
C	0	0	26-Aug-14	ELCO	56.8	D685	D686		26-Aug-14	C	0	30
C	0	0	26-Aug-14	ELCO	65.2	D687	D688		26-Aug-14	C	0	10
C	0	0	26-Aug-14	ELCO	58.0	D689	D690		26-Aug-14	C	0	20
C	0	0	26-Aug-14	ELCO	66.7	D691	D692	55E1	26-Aug-14	C	0	0
C	0	0	26-Aug-14	ELCO	75.5	D693	D694		26-Aug-14	C	0	30
C	0	0	26-Aug-14	ELCO	87.5	D695	D696		26-Aug-14	C	0	20
C	0	0	26-Aug-14	ELCO	65.2	D697	D698		26-Aug-14	C	0	0
C	0	20	26-Aug-14	ELCO	64.9	D699	D700		26-Aug-14	C	0	20
C	0	20	26-Aug-14	ELCO	54.0	D701	D702	55D8	26-Aug-14	C	0	30
C	0	30	26-Aug-14	ELCO	74.9	D703	D704		26-Aug-14	C	0	0
C	0	30	26-Aug-14	ELCO	79.8	D705	D706		26-Aug-14	C	0	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	30	26-Aug-14	ELCO	47.4	D725	D726	55F2	26-Aug-14	C	3	30
C	3	30	26-Aug-14	ELCO	57.0	D727	D728		26-Aug-14	C	3	30
C	3	20	26-Aug-14	ELCO	63.0	D729	D730		26-Aug-14	C	3	30
C	3	10	26-Aug-14	ELCO	84.4	D731	D732		26-Aug-14	C	3	10
C	3	10	26-Aug-14	ELCO	70.6	D733	D734	55B9	26-Aug-14	C	3	10
C	3	10	26-Aug-14	ELCO	66.0	D735	D736		26-Aug-14	C	3	10
C	3	10	26-Aug-14	ELCO	68.9	D737	D738		26-Aug-14	C	3	10
C	3	10	26-Aug-14	ELCO	74.3	D739	D740		26-Aug-14	C	3	10
C	3	10	26-Aug-14	ELCO	66.0	D741	D742		26-Aug-14	C	3	30
C	3	10	26-Aug-14	ELCO	69.5	D743	D744	55AE	26-Aug-14	C	3	10
C	3	10	26-Aug-14	ELCO	75.8	D745	D746		26-Aug-14	C	3	10
C	3	10	26-Aug-14	ELCO	83.0	D747	D748		26-Aug-14	C	3	10
C	3	10	26-Aug-14	ELCO	69.7	D749	D750		26-Aug-14	C	3	0
C	3	10	26-Aug-14	ELCO	76.1	D751	D752		26-Aug-14	C	3	0
C	3	10	26-Aug-14	ELCO	62.9	D753	D754	55CD	26-Aug-14	C	3	0
C	3	10	26-Aug-14	ELCO	72.8	D755	D756		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	71.6	D757	D758		26-Aug-14	C	3	10
C	3	0	26-Aug-14	ELCO	80.7	D759	D760		26-Aug-14	C	3	10
C	3	0	26-Aug-14	ELCO	68.4	D761	D762		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	69.6	D763	D764	55E3	26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	78.4	D765	D766		26-Aug-14	C	3	10
C	3	0	26-Aug-14	ELCO	70.0	D767	D768		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	63.0	D769	D770		26-Aug-14	C	3	20
C	3	0	26-Aug-14	ELCO	59.5	D771	D772		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	75.9	H833	H832	55C8	26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	74.5	D775	D776		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	65.3	D777	D778		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	75.6	D779	D780		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	75.4	D781	D782		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	72.2	D783	D784	55CE	26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	81.0	D785	D786		26-Aug-14	C	3	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	0	26-Aug-14	ELCO	77.4	H415	H414		26-Aug-14	C	3	10
C	3	0	26-Aug-14	ELCO	70.3	D789	D790		26-Aug-14	C	3	30
C	3	0	26-Aug-14	ELCO	68.2	D791	D792		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	75.5	D793	D794	55DD	26-Aug-14	C	3	10
C	3	0	26-Aug-14	ELCO	78.1	D795	D796		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	73.5	D797	D798		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	79.4	H815	H814		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	76.1	D801	D802		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	62.1	D803	D804	55BD	26-Aug-14	C	3	10
C	3	0	26-Aug-14	ELCO	67.8	D805	D806		26-Aug-14	C	3	10
C	3	0	26-Aug-14	ELCO	67.1	D807	D808		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	69.0	D809	D810		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	82.5	D811	D812		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	80.0	D813	D814	55EF	26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	78.5	D815	D816		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	68.2	D817	D818		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	68.4	D819	D820		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	78.6	D821	D822		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	57.9	D823	D824	55C2	26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	73.6	D825	D826		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	66.8	D827	D828		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	70.8	D829	D830		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	76.8	D831	D832		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	61.4	D833	D834	55A7	26-Aug-14	C	3	0
C	0	30	26-Aug-14	ELCO	54.2	D707	D708		26-Aug-14	C	0	0
C	0	30	26-Aug-14	ELCO	61.7	D709	D710		26-Aug-14	C	0	20
C	0	20	26-Aug-14	ELCO	48.0	D711	D712	55F7	26-Aug-14	C	0	20
C	0	10	26-Aug-14	ELCO	63.2	D713	D714		26-Aug-14	C	0	0
C	0	10	26-Aug-14	ELCO	62.9	D715	D716		26-Aug-14	C	0	10
C	0	0	26-Aug-14	ELCO	73.0	D717	D718		26-Aug-14	C	0	30
C	0	10	26-Aug-14	ELCO	64.8	D719	D720		26-Aug-14	C	0	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	0	10	26-Aug-14	ELCO	67.6	D721	D722	55CC	26-Aug-14	C	0	10
C	0	0	26-Aug-14	ELCO	73.4	D723	D724		26-Aug-14	C	0	30
C	4	30	27-Aug-14	ELCO	63.6	549E		549E	27-Aug-14	C	4	30
C	4	20	27-Aug-14	ELCO	74.2	P121	P120	54A8	27-Aug-14	C	4	20
C	4	10	27-Aug-14	ELCO	69.9	5496		5496	27-Aug-14	C	4	10
C	4	10	27-Aug-14	ELCO	71.3	54C8		54C8	27-Aug-14	C	4	10
C	4	10	27-Aug-14	ELCO	65.1	549A		549A	27-Aug-14	C	4	10
C	4	10	27-Aug-14	ELCO	78.4	547A		547A	27-Aug-14	C	4	10
C	4	0	27-Aug-14	ELCO	71.5	P165	P164	548D	27-Aug-14	C	4	0
C	4	0	27-Aug-14	ELCO	53.0	P151	P150	5497	27-Aug-14	C	4	0
C	4	30	27-Aug-14	ELCO	77.2	54CF		54CF	27-Aug-14	C	4	30
C	4	20	27-Aug-14	ELCO	71.4	547C		547C	27-Aug-14	C	4	20
C	4	20	27-Aug-14	ELCO	79.1	54BA		54BA	27-Aug-14	C	4	20
C	4	10	27-Aug-14	ELCO	76.9	54A1		54A1	27-Aug-14	C	4	10
C	4	10	27-Aug-14	ELCO	63.8	54B3		54B3	27-Aug-14	C	4	10
C	4	0	27-Aug-14	ELCO	47.4	54D0		54D0	27-Aug-14	C	4	0
C	4	0	27-Aug-14	ELCO	73.4	548E		548E	27-Aug-14	C	4	0
C	4	0	27-Aug-14	ELCO	53.8	P137	P136	5488	27-Aug-14	C	4	0
C	4	20	27-Aug-14	STUN	56.8	D991	D992	54A2	27-Aug-14	C	4	20
C	3	0	26-Aug-14	ELCO	45.6	D835	D836	55AA	26-Aug-14	C	3	0
C	3	30	26-Aug-14	ELCO	40.3	D837	D838	559E	26-Aug-14	C	3	10
C	3	30	26-Aug-14	ELCO	44.8	D839	D840	55ES	26-Aug-14	C	3	0
C	3	30	26-Aug-14	ELCO	51.0	D841	D842		26-Aug-14	C	3	0
C	3	30	26-Aug-14	ELCO	58.5	D843	D844		26-Aug-14	C	3	0
C	3	20	26-Aug-14	ELCO	64.5	D845	D846		26-Aug-14	C	3	0
C	3	20	26-Aug-14	ELCO	76.2	D847	D848		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	70.2	D849	D850	55A0	26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	72.0	D851	D852		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	65.5	D853	D854		26-Aug-14	C	3	0
C	3	0	26-Aug-14	ELCO	55.0	D855	D856		26-Aug-14	C	3	0
R	1	130	04-Aug-15	ELCO	69.0	F563	F564	5580	04-Aug-15	R	1	130

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	0	04-Aug-15	ELCO	58.2	C709	C708		04-Aug-15	R	1	0
R	1	330	04-Aug-15	ELCO	59.8	F643	F644	5553	04-Aug-15	R	1	330
R	1	360	04-Aug-15	ELCO	66.2	H503	H502		04-Aug-15	R	1	360
R	1	140	04-Aug-15	STUN	41.3	G001	G000	552A	04-Aug-15	R	1	140
R	1	160	04-Aug-15	ELCO	65.7	C865	C864		04-Aug-15	R	1	160
R	1	210	04-Aug-15	ELCO	66.6	C497	C496		04-Aug-15	R	1	210
R	1	230	04-Aug-15	ELCO	61.2	F483	F484	54EC	04-Aug-15	R	1	230
R	1	240	04-Aug-15	ELCO	64.8	F968	F967		04-Aug-15	R	1	240
R	1	280	04-Aug-15	ELCO	76.8	E039	E038		04-Aug-15	R	1	280
R	1	300	04-Aug-15	ELCO	63.0	E233	E232		04-Aug-15	R	1	300
R	1	310	04-Aug-15	ELCO	61.8	F059	F060		04-Aug-15	R	1	310
R	1	310	04-Aug-15	ELCO	62.6	E165	E164		04-Aug-15	R	1	310
R	1	360	04-Aug-15	ELCO	64.6	E473	E472		04-Aug-15	R	1	360
R	1	240	03-Aug-15	ELCO	61.1	E391	E390		03-Aug-15	R	1	240
R	1	270	03-Aug-15	ELCO	68.2	E725	E724		03-Aug-15	R	1	270
R	1	280	03-Aug-15	ELCO	65.3	F771	F772		03-Aug-15	R	1	280
R	1	250	03-Aug-15	ELCO	73.5	E755	E754		03-Aug-15	R	1	250
R	1	270	03-Aug-15	ELCO	61.5	E983	E982		03-Aug-15	R	1	270
R	1	250	03-Aug-15	ELCO	69.5	E891	E890		03-Aug-15	R	1	250
R	1	230	03-Aug-15	ELCO	51.5	E895	E894	5513	03-Aug-15	R	1	230
R	1	340	03-Aug-15	ELCO	50.0	F291	E292	545C	03-Aug-15	R	1	340
R	1	330	03-Aug-15	ELCO	82.4	E073	E072		03-Aug-15	R	1	330
R	1	320	03-Aug-15	ELCO	64.0	E903	E902		03-Aug-15	R	1	320
R	1	300	03-Aug-15	ELCO	71.0	E459	E458		03-Aug-15	R	1	300
R	1	330	03-Aug-15	ELCO	66.4	E737	E736		03-Aug-15	R	1	330
R	1	350	03-Aug-15	ELCO	68.5	H501	H500		03-Aug-15	R	1	350
R	1	340	03-Aug-15	ELCO	74.3	E015	E014		03-Aug-15	R	1	340
R	1	310	03-Aug-15	ELCO	68.4	C501	C500		03-Aug-15	R	1	310
R	1	310	03-Aug-15	ELCO	60.2	F001	F000		03-Aug-15	R	1	310
R	1	310	03-Aug-15	ELCO	63.7	D237	D236		03-Aug-15	R	1	310
R	1	310	03-Aug-15	ELCO	71.8	D203	D202		03-Aug-15	R	1	310

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	290	03-Aug-15	ELCO	64.4	F553	F554		03-Aug-15	R	1	290
R	1	330	03-Aug-15	ELCO	63.2	D995	D996		03-Aug-15	R	1	330
R	1	350	03-Aug-15	ELCO	60.7	F313	F314	545C	03-Aug-15	R	1	350
R	1	310	03-Aug-15	ELCO	58.9	E565	E564	5534	03-Aug-15	R	1	310
R	1	360	03-Aug-15	ELCO	65.5	E261	E260		03-Aug-15	R	1	360
R	1	320	03-Aug-15	ELCO	54.8	F567	F568		03-Aug-15	R	1	320
R	1	360	03-Aug-15	ELCO	60.9	C721	C720		03-Aug-15	R	1	360
R	1	360	03-Aug-15	ELCO	73.2	H505	H504		03-Aug-15	R	1	360
C	0	-20	17-Aug-15	ELCO	63.9	G029	G028		17-Aug-15	C	0	-20
C	0	-20	17-Aug-15	ELCO	67.1	G027	G026		17-Aug-15	C	0	-20
C	0	-20	17-Aug-15	ELCO	67.5	G025	G024		17-Aug-15	C	0	-20
C	0	-20	17-Aug-15	ELCO	69.6	G023	G022		17-Aug-15	C	0	-20
C	0	-20	17-Aug-15	ELCO	59.1	G021	G020	54D6	17-Aug-15	C	0	-20
C	0	-10	17-Aug-15	ELCO	60.0	G019	G018		17-Aug-15	C	0	-10
C	0	-10	17-Aug-15	ELCO	57.7	G017	G016		17-Aug-15	C	0	-10
C	0	-10	17-Aug-15	ELCO	74.0	G015	G014		17-Aug-15	C	0	-10
C	0	-10	17-Aug-15	ELCO	84.5	G013	G012		17-Aug-15	C	0	-10
C	0	-10	17-Aug-15	ELCO	53.7	G011	G010	54F5	17-Aug-15	C	0	-10
C	0	0	17-Aug-15	ELCO	73.2	D723	D724		17-Aug-15	C	0	0
C	0	0	17-Aug-15	ELCO	67.3	G007	G006		17-Aug-15	C	0	0
C	0	0	17-Aug-15	ELCO	68.7	G009	G008		17-Aug-15	C	0	0
C	0	10	17-Aug-15	ELCO	68.6	G003	G002		17-Aug-15	C	0	10
C	0	10	17-Aug-15	ELCO	72.0	G005	G004		17-Aug-15	C	0	10
C	0	20	17-Aug-15	ELCO	85.8	G031	G030	5529	17-Aug-15	C	0	20
C	0	30	17-Aug-15	ELCO	74.4	G033	G032		17-Aug-15	C	0	30
C	0	30	17-Aug-15	ELCO	69.0	G035	G034		17-Aug-15	C	0	30
C	0	30	17-Aug-15	ELCO	65.6	G037	G036		17-Aug-15	C	0	30
C	0	40	17-Aug-15	ELCO	74.6	G043	G042		17-Aug-15	C	0	40
C	0	-20	17-Aug-15	ELCO	75.0	G039	G038	550D	17-Aug-15	C	0	-20
C	0	-20	17-Aug-15	ELCO	89.8	G041	G040		17-Aug-15	C	0	-20
C	0	-20	17-Aug-15	ELCO	39.8	G045	G044	54F9	17-Aug-15	C	0	-20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	0	-20	17-Aug-15	ELCO	37.6	G047	G046	552C	17-Aug-15	C	0	-20
C	0	-10	17-Aug-15	ELCO	54.9	G049	G048		17-Aug-15	C	0	-10
C	0	40	17-Aug-15	ELCO	74.4	G051	G050		17-Aug-15	C	0	40
C	0	40	17-Aug-15	ELCO	62.7	G053	G052		17-Aug-15	C	0	40
C	0	30	17-Aug-15	ELCO	55.5	D681	D682	55FG	17-Aug-15	C	0	30
C	0	30	17-Aug-15	ELCO	57.1	G055	G054		17-Aug-15	C	0	30
C	0	30	17-Aug-15	ELCO	74.5	G057	G056	54E1	17-Aug-15	C	0	30
C	0	30	17-Aug-15	ELCO	68.5	D673	D674		17-Aug-15	C	0	30
C	0	20	17-Aug-15	ELCO	67.0	D721	D722	55CC	17-Aug-15	C	0	20
C	0	20	17-Aug-15	ELCO	49.3	G059	G058	5503	17-Aug-15	C	0	20
C	0	0	17-Aug-15	ELCO	68.2	G061	G060		17-Aug-15	C	0	0
C	0	30	17-Aug-15	ELCO	67.2	D677	D678		17-Aug-15	C	0	30
C	0	30	17-Aug-15	ELCO	74.0	D717	D718		17-Aug-15	C	0	30
C	0	20	17-Aug-15	ELCO	64.0	D683	D684		17-Aug-15	C	0	20
C	0	20	17-Aug-15	ELCO	74.0	D665	D666	5509	17-Aug-15	C	0	20
C	0	10	17-Aug-15	ELCO	58.6	G063	G062		17-Aug-15	C	0	10
C	1	0	17-Aug-15	ELCO	81.4	D659	D660	55D6	17-Aug-15	C	1	0
C	1	0	17-Aug-15	ELCO	82.6	D651	D652		17-Aug-15	C	1	0
C	1	0	17-Aug-15	ELCO	72.2	G069	G068		17-Aug-15	C	1	0
C	1	10	17-Aug-15	ELCO	30.6	G075	G074	5537	17-Aug-15	C	1	10
C	1	30	17-Aug-15	ELCO	80.1	G079	G078		17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	76.2	G081	G080		17-Aug-15	C	1	30
C	1	0	17-Aug-15	ELCO	81.5	D609	D610	55BC	17-Aug-15	C	1	0
C	1	0	17-Aug-15	ELCO	72.8	D615	D616		17-Aug-15	C	1	0
C	1	0	17-Aug-15	ELCO	66.3	D557	D558		17-Aug-15	C	1	0
C	1	0	17-Aug-15	ELCO	56.5	G083	G082		17-Aug-15	C	1	0
C	1	10	17-Aug-15	ELCO	70.9	G085	G084	54EA	17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	74.1	D435	D436		17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	58.5	D573	D574		17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	77.2	D655	D656		17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	62.0	D529	D530		17-Aug-15	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	17-Aug-15	ELCO	56.8	G087	G086	54FC	17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	43.6	G089	G088	5530	17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	67.1	G091	G090		17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	45.4	G093	G092	54FF	17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	66.5	D525	D526		17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	77.5	D657	D658		17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	81.5	D611	D612		17-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	80.8	D547	D548		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	56.5	G095	G094		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	53.6	G097	G096		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	64.6	G099	G098	54DB	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	76.1	D427	D428	55A8	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	80.4	D493	D494		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	66.5	H335	H334		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	59.1	H301	H300		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	76.9	G103	G102		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	72.8	G105	G104		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	77.6	G107	G106	54F6	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	61.8	D559	D560	55B6	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	62.8	D369	D370		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	78.9	D579	D580	55E0	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	67.7	D475	D476		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	66.7	D371	D372		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	57.9	G109	G108		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	57.2	G111	G110		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	62.6	G113	G112	54FA	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	58.5	D549	D550	5502	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	69.3	D399	D400		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	75.8	D483	D484		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	65.8	D441	D442		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	71.0	D571	D572		18-Aug-15	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	18-Aug-15	ELCO	75.9	D939	D940		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	74.6	D551	D552		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	72.7	G115	G114	54E7	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	75.8	G117	G116		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	76.8	G119	G118		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	60.5	D527	D528	55B8	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	63.1	D569	D570	55AF	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	66.0	D875	D876	54B7	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	66.4	D445	D446		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	70.8	H343	H342		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	70.4	D653	D654		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	65.8	D393	D394		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	63.7	D541	D542		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	57.6	D583	D584		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	41.6	G121	G120	552B	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	40.0	G123	G122	54E6	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	51.5	G125	G124		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	56.5	G127	G126		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	71.9	D627	D628		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	55.7	G129	G128	5516	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	60.5	G131	G130		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	55.1	G133	G132		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	58.6	G135	G134		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	78.0	H361	H360	5515	18-Aug-15	C	1	10
C	1	20	18-Aug-15	ELCO	54.5	D360	D356		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	57.2	D365	D366		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	77.0	D863	D864		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	65.0	D469	D470		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	69.5	D967	D968		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	50.8	D367	D368	55E8	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	74.1	D417	D418	55BE	18-Aug-15	C	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	20	18-Aug-15	ELCO	65.0	G139	G138		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	73.7	G141	G140		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	58.0	G143	G142		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	63.2	G145	G144		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	70.2	G147	G146	5526	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	64.3	G149	G148		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	59.6	G151	G150		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	57.0	G153	G152		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	59.5	G155	G154		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	77.6	G157	G156	550E	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	44.3	G159	G158	5524	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	62.5	D377	D378	55EB	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	40.5	D487	D488	55B4	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	58.4	D457	D458	55AC	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	61.0	D595	D596		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	69.9	D921	D922		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	81.9	D961	D962		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	58.5	D917	D918		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	81.9	D877	D878		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	73.7	D903	D904		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	73.0	D873	D874		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	70.9	D909	D910		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	76.5	D555	D556		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	51.0	G161	G160	54FB	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	35.8	G163	G162	5506	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	39.0	G165	G164	5531	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	73.9	G167	G166		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	82.0	G169	G168		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	75.5	G171	G170		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	71.1	G173	G172		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	77.4	G175	G174	5535	18-Aug-15	C	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	20	18-Aug-15	ELCO	73.9	G177	G176		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	58.6	G179	G178		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	66.1	G181	G180		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	64.8	G183	G182		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	58.9	G185	G184	5517	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	81.0	G187	G186		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	79.0	G189	G188		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	76.6	G191	G190		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	56.2	G193	G192		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	73.8	G195	G194	5528	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	70.8	G197	G196		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	59.4	G199	G198		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	70.1	G201	G200		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	79.6	G203	G202		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	65.1	G205	G204	5536	18-Aug-15	C	1	20
C	1	30	18-Aug-15	ELCO	75.7	D857	D858		18-Aug-15	C	1	30
C	1	30	18-Aug-15	ELCO	59.5	G207	G206		18-Aug-15	C	1	30
C	1	30	18-Aug-15	ELCO	74.1	G209	G208		18-Aug-15	C	1	30
C	1	30	18-Aug-15	ELCO	61.2	G211	G210		18-Aug-15	C	1	30
C	1	30	18-Aug-15	ELCO	66.0	G213	G212		18-Aug-15	C	1	30
C	1	30	18-Aug-15	ELCO	74.3	G215	G214	5519	18-Aug-15	C	1	30
C	1	30	18-Aug-15	ELCO	79.2	G217	G216		18-Aug-15	C	1	30
C	1	30	18-Aug-15	ELCO	73.7	G219	G218		18-Aug-15	C	1	30
C	1	0	17-Aug-15	ELCO	71.2	D625	D626		17-Aug-15	C	1	0
C	1	0	17-Aug-15	ELCO	77.5	D505	D506		17-Aug-15	C	1	0
C	1	0	17-Aug-15	ELCO	64.1	G065	G064		17-Aug-15	C	1	0
C	1	0	17-Aug-15	ELCO	50.0	G067	G066	5505	17-Aug-15	C	1	0
C	1	10	17-Aug-15	ELCO	78.2	G071	G070		17-Aug-15	C	1	10
C	1	10	17-Aug-15	ELCO	75.4	G073	G072		17-Aug-15	C	1	10
C	1	30	17-Aug-15	ELCO	73.8	G077	G076		17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	67.8	D933	D934		17-Aug-15	C	1	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	30	17-Aug-15	ELCO	50.1	D931	D932	54D3	17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	70.1	D859	D860		17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	42.5	G221	G220	551C	17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	42.6	G223	G222	54F2	17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	55.7	G225	G224		17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	56.8	G227	G226		17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	71.2	G229	G228	5523	17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	77.9	G231	G230		17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	91.1	G233	G232		17-Aug-15	C	1	30
C	1	30	17-Aug-15	ELCO	82.5	G235	G234		17-Aug-15	C	1	30
C	1	20	17-Aug-15	ELCO	79.1	D881	D882		17-Aug-15	C	1	20
C	1	20	17-Aug-15	ELCO	81.4	D431	D432		17-Aug-15	C	1	20
C	1	20	17-Aug-15	ELCO	71.2	D897	D898		17-Aug-15	C	1	20
C	1	20	17-Aug-15	ELCO	60.9	D901	D902		17-Aug-15	C	1	20
C	1	20	17-Aug-15	ELCO	72.3	D661	D662		17-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	51.4	D501	D502		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	71.2	D411	D412		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	53.6	D413	D414		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	52.6	D519	D520		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	52.4	D919	D920		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	49.8	G237	G236		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	52.4	G239	G238		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	61.1	G241	G240		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	65.8	G243	G242		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	73.4	G245	G244	54E4	18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	72.3	G247	G246		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	72.3	G249	G248		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	73.5	G251	G250		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	82.4	G253	G252		18-Aug-15	C	1	20
C	1	20	18-Aug-15	ELCO	80.0	G255	G254	54E8	18-Aug-15	C	1	20
C	1	10	18-Aug-15	ELCO	81.7	D895	D896	5475	18-Aug-15	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	18-Aug-15	ELCO	71.0	D437	D438	55EA	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	73.0	D629	D630	55DE	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	57.3	D543	D544		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	65.4	D561	D562		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	73.2	D593	D594		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	78.5	D491	D492		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	73.0	D925	D926	54A6	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	67.0	D463	D464		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	54.2	G257	G256		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	61.0	G259	G258		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	68.5	G261	G260		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	69.5	G263	G262		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	71.2	G265	G264	5508	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	69.0	G267	G266		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	74.7	G269	G268		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	76.9	G271	G270		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	50.8	G273	G272		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	76.0	G275	G274	5521	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	48.3	G277	G276	5525	18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	52.8	G279	G278		18-Aug-15	C	1	10
C	1	10	18-Aug-15	ELCO	68.1	G281	G280		18-Aug-15	C	1	10
C	1	0	18-Aug-15	ELCO	67.6	D945	D946	5473	18-Aug-15	C	1	0
C	1	0	18-Aug-15	ELCO	57.4	D565	D566		18-Aug-15	C	1	0
C	1	0	18-Aug-15	ELCO	79.1	D641	D642		18-Aug-15	C	1	0
C	1	0	18-Aug-15	ELCO	85.7	D387	D388		18-Aug-15	C	1	0
C	1	0	18-Aug-15	ELCO	51.6	G283	G282	5511	18-Aug-15	C	1	0
C	1	0	18-Aug-15	ELCO	79.9	G285	G284		18-Aug-15	C	1	0
C	1	0	18-Aug-15	ELCO	71.2	G287	G286		18-Aug-15	C	1	0
C	1	0	18-Aug-15	ELCO	76.7	G289	G288		18-Aug-15	C	1	0
C	1	0	18-Aug-15	ELCO	51.5	G291	G290	5507	18-Aug-15	C	1	0
C	3	0	18-Aug-15	ELCO	78.0	G335	G334	54D4	18-Aug-15	C	3	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	0	18-Aug-15	ELCO	72.8	G337	G336		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	67.4	G339	G338		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	74.0	G341	G340		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	67.2	G343	G342		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	64.3	G345	G344	550B	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	56.8	H854	H855		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	72.3	G349	G348		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	78.9	G351	G350		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	52.5	G353	G352		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	67.8	G355	G354	54F1	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	80.9	G357	G356		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	35.1	G359	G358	551E	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	78.0	H373	H372		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	69.7	G363	G362		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	78.4	G365	G364	551D	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	76.5	G367	G366		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	81.0	D785	D786		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	76.3	D779	D780		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	65.4	D845	D846		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	78.9	D795	D796		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	70.7	D849	D850	55A0	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	61.2	D833	D834	55A7	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	71.3	D749	D750		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	72.2	D829	D830		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	70.1	D809	D810		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	72.3	D783	D784	55CE	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	67.7	D807	D808		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	68.7	D817	D818		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	60.1	D843	D844		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	73.6	D797	D798		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	64.6	D753	D754	55CD	18-Aug-15	C	3	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	0	18-Aug-15	ELCO	76.7	D747	D748		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	71.8	G321	G320		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	81.1	G323	G322		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	73.5	G325	G324	5514	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	72.8	G327	G326		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	69.0	G329	G328		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	83.3	G331	G330		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	81.2	G333	G332		18-Aug-15	C	3	0
C	3	10	18-Aug-15	ELCO	51.7	D839	D840	55E5	18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	78.9	D821	D822		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	77.1	H833	H832		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	75.3	D775	D776		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	65.2	D777	D778		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	75.9	D801	D802		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	82.6	D811	D812		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	74.1	G293	G292		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	67.9	G295	G294		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	84.0	G297	G296		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	80.5	H835	H834	54E5	18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	47.1	G301	G300	54D7	18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	66.8	G303	G302		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	74.2	G307	G306		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	86.4	G305	G304		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	74.4	H831	H830		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	69.3	G311	G310		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	61.0	G313	G312	5522	18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	57.4	G315	G314		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	68.8	G317	G316		18-Aug-15	C	3	10
C	3	10	18-Aug-15	ELCO	68.9	G319	G318		18-Aug-15	C	3	10
C	3	0	18-Aug-15	ELCO	78.3	D831	D832		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	69.5	D819	D820		18-Aug-15	C	3	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	0	18-Aug-15	ELCO	73.0	D755	D756		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	79.7	D815	D816		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	73.6	G369	G368		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	69.3	G371	G370		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	76.8	G373	G372		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	46.7	G375	G374	54F3	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	68.5	G377	G376	54EE	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	62.0	G379	G378		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	64.4	G381	G380		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	71.3	G383	G382		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	71.0	G385	G384		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	59.6	G387	G386	54F4	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	70.5	G389	G388		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	71.6	G391	G390		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	78.5	G393	G392		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	61.5	G395	G394		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	67.4	G397	G396	550C	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	71.3	G399	G398		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	71.0	G401	G400		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	70.1	G403	G402		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	75.8	G405	G404		18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	52.5	G407	G406	5512	18-Aug-15	C	3	0
C	3	0	18-Aug-15	ELCO	40.0	G409	G408	54FE	18-Aug-15	C	3	0
C	3	20	18-Aug-15	ELCO	78.4	G411	G410		18-Aug-15	C	3	20
C	3	20	18-Aug-15	ELCO	66.1	G413	G412		18-Aug-15	C	3	20
C	3	20	19-Aug-15	ELCO	63.1	D803	D804	55BD	19-Aug-15	C	3	20
C	3	20	19-Aug-15	ELCO	76.9	D739	D740		19-Aug-15	C	3	20
C	3	20	19-Aug-15	ELCO	44.0	G415	G414		19-Aug-15	C	3	20
C	3	30	19-Aug-15	ELCO	66.5	G417	G416		19-Aug-15	C	3	30
C	3	30	19-Aug-15	ELCO	65.8	G419	G418		19-Aug-15	C	3	30
C	3	30	19-Aug-15	ELCO	60.5	G421	G420		19-Aug-15	C	3	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	30	19-Aug-15	ELCO	64.6	G423	G422	54DE	19-Aug-15	C	3	30
C	3	20	19-Aug-15	ELCO	75.5	D793	D794	55DD	19-Aug-15	C	3	20
C	3	20	19-Aug-15	ELCO	73.7	G425	G424		19-Aug-15	C	3	20
C	3	20	19-Aug-15	ELCO	38.5	G427	G426	54DA	19-Aug-15	C	3	20
C	3	10	19-Aug-15	ELCO	83.0	D759	D760		19-Aug-15	C	3	10
C	3	10	19-Aug-15	ELCO	78.6	D765	D766		19-Aug-15	C	3	10
C	3	10	19-Aug-15	ELCO	72.0	D767	D768		19-Aug-15	C	3	10
C	3	10	19-Aug-15	ELCO	70.7	G429	G428		19-Aug-15	C	3	10
C	3	10	19-Aug-15	ELCO	63.2	G431	G430		19-Aug-15	C	3	10
C	3	10	19-Aug-15	ELCO	72.3	G433	G432		19-Aug-15	C	3	10
C	3	10	19-Aug-15	ELCO	78.3	G435	G434		19-Aug-15	C	3	10
C	3	10	19-Aug-15	ELCO	70.5	G437	G436	552E	19-Aug-15	C	3	10
C	3	10	19-Aug-15	ELCO	81.6	G439	G438		19-Aug-15	C	3	10
C	3	0	19-Aug-15	ELCO	69.5	D737	D738		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	54.1	D841	D842		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	68.7	G441	G440		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	75.0	G443	G442		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	80.9	G445	G444	54FD	19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	69.2	G447	G446	5527	19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	74.0	H457	H456		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	62.4	G451	G450		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	64.7	G453	G452		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	59.7	G455	G454		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	50.1	G457	G456	552D	19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	50.6	G459	G458		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	60.2	G461	G460		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	59.4	G463	G462		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	58.6	G465	G464		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	63.1	G467	G466		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	89.1	G469	G468		19-Aug-15	C	3	0
C	3	0	19-Aug-15	ELCO	34.0	G471	G470	550F	19-Aug-15	C	3	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	4	0	03-Sep-15	ELCO	59.8	P107	P106		03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	67.2	P109	P108		03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	60.8	P111	P110	8295	03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	76.4	P113	P112		03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	58.9	P115	P114		03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	56.5	P117	P116		03-Sep-15	C	4	0
C	4	30	03-Sep-15	ELCO	68.3	P119	P118		03-Sep-15	C	4	30
C	4	10	03-Sep-15	ELCO	75.5	P121	P120	54A8	03-Sep-15	C	4	10
C	4	10	03-Sep-15	ELCO	74.3	P123	P122		03-Sep-15	C	4	10
C	4	10	03-Sep-15	ELCO	71.2	P125	P124		03-Sep-15	C	4	10
C	4	10	03-Sep-15	ELCO	64.5	P127	P126		03-Sep-15	C	4	10
C	4	10	03-Sep-15	ELCO	67.4	P129	P128	828C	03-Sep-15	C	4	10
C	4	10	03-Sep-15	ELCO	63.0	P131	P130	8293	03-Sep-15	C	4	10
C	4	10	03-Sep-15	ELCO	54.9	P133	P132		03-Sep-15	C	4	10
C	4	10	03-Sep-15	ELCO	59.0	P135	P134		03-Sep-15	C	4	10
C	4	0	03-Sep-15	ELCO	57.1	P137	P136	5488	03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	56.5	P139	P138		03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	66.8	P141	P140	82AB	03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	43.2	P143	P142	8286	03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	69.1	P145	P144		03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	58.5	P147	P146		03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	77.0	P149	P148		03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	57.0	P151	P150	5497	03-Sep-15	C	4	0
C	4	0	03-Sep-15	ELCO	83.8	P153	P152	8284	03-Sep-15	C	4	0
C	4	30	03-Sep-15	ELCO	37.8	P155	P154	8292	03-Sep-15	C	4	30
C	4	30	03-Sep-15	ELCO	52.5	P157	P156		03-Sep-15	C	4	30
C	4	30	03-Sep-15	ELCO	60.1	P159	P158		03-Sep-15	C	4	30
C	4	30	03-Sep-15	ELCO	72.6	P161	P160	821A	03-Sep-15	C	4	30
C	4	20	03-Sep-15	ELCO	54.8	P163	P162		03-Sep-15	C	4	20
C	4	20	03-Sep-15	ELCO	73.0	P165	P164	548D	03-Sep-15	C	4	20
C	4	20	03-Sep-15	ELCO	69.9	P167	P166		03-Sep-15	C	4	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	4	20	03-Sep-15	ELCO	63.4	P169	P168		03-Sep-15	C	4	20
C	4	20	03-Sep-15	ELCO	58.2	P171	P170	8290	03-Sep-15	C	4	20
C	4	20	03-Sep-15	ELCO	61.8	P173	P172		03-Sep-15	C	4	20
C	4	20	03-Sep-15	ELCO	35.8	P175	P174	8298	03-Sep-15	C	4	20
C	4	20	03-Sep-15	ELCO	56.0	P177	P176		03-Sep-15	C	4	20
C	4	20	03-Sep-15	ELCO	63.7	P179	P178		03-Sep-15	C	4	20
C	4	20	03-Sep-15	ELCO	59.0	P181	P180	827B	03-Sep-15	C	4	20
C	4	10	03-Sep-15	ELCO	22.2	P183	P182		03-Sep-15	C	4	10
C	4	30	03-Sep-15	ELCO	51.3	P185	P184		03-Sep-15	C	4	30
C	4	10	03-Sep-15	ELCO	85.1	P187	P186		03-Sep-15	C	4	10
C	4	10	03-Sep-15	ELCO	55.8	P189	P188		03-Sep-15	C	4	10
C	4	10	03-Sep-15	ELCO	68.1	P191	P190	82B6	03-Sep-15	C	4	10
C	4	0	03-Sep-15	ELCO	77.3	P193	P192		03-Sep-15	C	4	0
T	1	-10	31-Aug-15	ELCO	64.5	G473	G472		31-Aug-15	T	1	-10
T	1	-10	31-Aug-15	ELCO	62.5	G475	G474		31-Aug-15	T	1	-10
T	1	-10	31-Aug-15	ELCO	62.2	F591	F592		31-Aug-15	T	1	-10
T	1	-10	31-Aug-15	ELCO	74.5	F657	F658		31-Aug-15	T	1	-10
T	1	-10	31-Aug-15	ELCO	62.3	C593	C592		31-Aug-15	T	1	-10
T	1	-10	31-Aug-15	ELCO	55.5	E475	E474		31-Aug-15	T	1	-10
T	1	0	31-Aug-15	ELCO	62.7	G477	G476		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	71.3	G479	G478		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	66.0	G481	G480	5532	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	82.0	G483	G482		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	79.1	C599	C598		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	79.3	F911	F912		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	62.1	G485	G484		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	52.0	G487	G486		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	58.8	G489	G488		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	59.2	G491	G490	54E2	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	66.4	H871	H870		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	65.3	E961	E960		31-Aug-15	T	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	0	31-Aug-15	ELCO	67.5	F289	F290		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	68.7	F849	F850		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	68.1	C661	C660		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	69.5	C387	C386	555D	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.1	G495	G494		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.8	G497	G496		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	65.0	C643	C642		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	42.1	F889	F890	5650	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	76.3	G499	G498		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.7	G501	G500	54D9	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	53.5	G503	G502		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	54.7	F899	F900		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	62.9	F319	F320		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	60.2	F255	F256		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	59.9	F279	F280		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	73.0	C303	C302		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	68.8	F233	F234	5430	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	58.7	G505	G504		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	62.0	G507	G506		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	60.0	G509	G508		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	68.7	G511	G510	54D5	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	69.0	F307	F308		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	59.9	F903	F904	557F	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	58.5	F745	F746		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	62.6	F281	F282		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	74.9	F655	F656		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	50.0	F861	F862	553E	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	43.7	F853	F854	558C	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	67.5	C285	C284	5556	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	54.8	F303	F304	5434	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	34.2	F309	F310	544F	31-Aug-15	T	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	0	31-Aug-15	ELCO	52.7	F963	F964	5658	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	47.5	F295	F296	543F	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	72.4	F951	F952		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	69.7	F847	F848		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	79.2	F761	F762		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	71.2	H873	H872	557B	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	71.9	C395	C394		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.7	C603	C602		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	65.0	F235	F236		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	62.6	F215	F216		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	63.8	F937	F938		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	73.7	F219	F220		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	75.7	F875	F876		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	56.0	G513	G512		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	77.1	G515	G514		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	58.2	G517	G516		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.6	G519	G518		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	60.1	G521	G520	5533	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	72.0	G523	G522		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	68.2	G525	G524		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	56.2	G527	G526		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	65.5	G529	G528		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	60.1	G531	G530	54E0	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	54.4	G533	G532		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	71.1	G535	G534		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	58.9	G537	G536		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	49.1	G539	G538	5501	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	66.1	G541	G540	54EF	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	66.5	G543	G542		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.4	G545	G544		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	51.0	G547	G546		31-Aug-15	T	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	0	31-Aug-15	ELCO	59.2	G549	G548		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	66.7	H869	H868	551F	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	69.7	G553	G552		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	67.3	G555	G554		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	48.7	F891	F892	5557	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	72.4	C651	C650		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	75.5	F931	F932		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	73.2	F835	F836		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	63.7	C399	C398		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	65.2	F231	F232		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	65.4	G557	G556		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	63.8	G559	G558		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.8	G561	G560	54EB	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.4	G563	G562		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	60.4	G565	G564		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	57.7	G567	G566		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	65.5	G569	G568		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	51.0	G571	G570	5504	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	61.5	G573	G572		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	56.6	G575	G574		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	48.5	G577	G576	54DD	31-Aug-15	T	1	0
T	1	10	31-Aug-15	ELCO	68.9	C343	C342		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	66.8	F781	F782		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	60.0	F261	F262		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	49.1	C357	C356	5518	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	60.4	F265	F266		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	75.4	C283	C282	5558	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	67.2	C375	C374		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	65.1	C299	C298		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	71.9	C321	C320		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	61.2	C373	C372		31-Aug-15	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	31-Aug-15	ELCO	56.5	F277	F278		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	72.4	C361	C360		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	74.2	C581	C580		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	67.8	C579	C578		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	55.0	C383	C382		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	67.2	C355	C354		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	58.8	G579	G578		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	66.2	G583	G582		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	74.7	G581	G580	5510	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	57.3	G585	G584		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	75.3	G587	G586		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	58.1	G589	G588		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	62.2	G593	G592		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	56.3	G591	G590	550A	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	69.3	G595	G594		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	61.9	G597	G596		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	77.2	G599	G598		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	61.7	G601	G600	551B	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	57.2	G603	G602		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	63.5	C657	C656	5421	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	69.9	C597	C596	542C	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	66.3	C287	C286	557E	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	65.1	F935	F936		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	63.9	C331	C330		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	71.4	F939	F940		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	68.6	C363	C362		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	68.8	C307	C306		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	57.5	F271	F272		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	66.2	C571	C570		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	70.4	C317	C316		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	60.3	F825	F826		31-Aug-15	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	31-Aug-15	ELCO	56.3	C589	C588		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	58.8	C389	C388		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	61.1	C377	C376		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	70.1	F629	F630		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	56.2	F327	F328		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	60.2	F775	F776		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	54.4	F927	F928		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	69.4	G605	G604		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	53.8	G607	G606		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	64.9	G609	G608		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	57.4	G611	G610	552F	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	50.1	G613	G612		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	62.2	G615	G614		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	52.3	G617	G616		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	78.3	G621	G620	54E3	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	75.0	G619	G618		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	61.3	G623	G622		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	55.3	G625	G624		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	59.1	G627	G626		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	50.3	G629	G628		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	63.0	G631	G630	54F8	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	66.2	G633	G632		31-Aug-15	T	1	10
T	1	40	31-Aug-15	ELCO	76.0	D167	D168	5585	31-Aug-15	T	1	40
T	1	40	31-Aug-15	ELCO	70.5	H053	H052		31-Aug-15	T	1	40
T	1	40	31-Aug-15	ELCO	68.2	G637	G636		31-Aug-15	T	1	40
T	1	40	31-Aug-15	ELCO	70.0	G639	G638		31-Aug-15	T	1	40
T	1	40	31-Aug-15	ELCO	71.7	G641	G640	82D2	31-Aug-15	T	1	40
T	1	40	31-Aug-15	ELCO	71.2	G643	G642		31-Aug-15	T	1	40
T	1	30	31-Aug-15	ELCO	62.7	C633	C632		31-Aug-15	T	1	30
T	1	30	31-Aug-15	ELCO	60.6	F345	F346		31-Aug-15	T	1	30
T	1	30	31-Aug-15	ELCO	73.5	E695	E694	5656	31-Aug-15	T	1	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	30	31-Aug-15	ELCO	52.8	F955	F956	5590	31-Aug-15	T	1	30
T	1	30	31-Aug-15	ELCO	67.9	F339	F340		31-Aug-15	T	1	30
T	1	30	31-Aug-15	ELCO	46.4	G645	G644	5520	31-Aug-15	T	1	30
T	1	20	31-Aug-15	ELCO	43.8	G647	G646	82CA	31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	60.9	G649	G648		31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	63.0	G651	G650	82B5	31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	70.8	G653	G652		31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	79.1	G655	G654		31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	53.7	G657	G656		31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	53.1	G659	G658		31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	50.0	G661	G660	82B8	31-Aug-15	T	1	20
T	1	40	31-Aug-15	ELCO	56.1	E597	E596		31-Aug-15	T	1	40
T	1	40	31-Aug-15	ELCO	73.0	G663	G662		31-Aug-15	T	1	40
T	1	0	31-Aug-15	ELCO	62.3	C619	C618		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	56.5	E721	E720		31-Aug-15	T	1	0
T	1	-10	31-Aug-15	ELCO	60.6	G665	G664		31-Aug-15	T	1	-10
T	1	10	31-Aug-15	ELCO	59.8	F229	F230		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	62.2	C403	C402		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	70.2	F239	F240		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	65.1	C291	C290	553C	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	45.1	C609	C608	82C2	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	67.2	F945	F946		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	59.5	F249	F250		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	57.2	C295	C296	5546	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	60.9	F877	F878		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	64.9	C705	C704		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	68.3	F881	F882		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	73.0	F871	F872		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	59.4	F659	F660		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	66.7	C647	C646	5445	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	65.3	C665	C664		31-Aug-15	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	31-Aug-15	ELCO	67.0	F831	F832		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	63.9	G667	G666		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	50.9	G669	G668		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	67.2	G671	G670	82D9	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	45.2	F749	F750	5564	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	69.1	F869	F870		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	62.0	F961	F962		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	65.4	G673	G672		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	51.0	G675	G674		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	69.1	G677	G676		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	61.9	G679	G678		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	58.2	G681	G680	82C0	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	47.7	F895	F896	560A	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	42.0	G683	G682	82C3	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	50.1	G685	G684		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	58.5	G687	G686		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	59.3	G689	G688		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	57.9	G691	G690	82DA	31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	74.6	G693	G692		31-Aug-15	T	1	10
T	1	10	31-Aug-15	ELCO	66.3	G695	G694		31-Aug-15	T	1	10
T	1	10	31-Aug-15	STUN	49.0	G697	G696	82B9	31-Aug-15	T	1	10
T	1	0	31-Aug-15	ELCO	52.7	C635	C634		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	69.0	F285	F286		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.1	C625	C624		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	61.1	F739	F740		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	77.3	F919	F920		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	72.0	F857	F858		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	68.6	C675	C674		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	78.4	C669	C668		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	71.2	F671	F672		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	61.7	F845	F846		31-Aug-15	T	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	0	31-Aug-15	ELCO	62.9	C645	C644		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	55.5	C821	C820		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.8	F269	F270		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.3	C615	C614		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	49.9	G699	G698	82DB	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	60.6	G701	G700	82B7	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	65.2	G703	G702		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	62.0	G705	G704		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	58.7	G707	G706		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	61.4	G709	G708		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	62.6	G711	G710		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	59.9	G713	G712		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	71.1	G715	G714		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	64.5	G717	G716		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	56.2	G719	G718		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	58.8	G721	G720	82C8	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	62.9	G723	G722		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	54.8	G725	G724		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	51.3	G727	G726		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	50.2	G729	G728		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	51.6	G731	G730	8206	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	55.3	G733	G732		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	68.5	G735	G734		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	66.0	G737	G736		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	67.5	G739	G738		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	69.4	G741	G740	82AD	31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	63.2	G743	G742		31-Aug-15	T	1	0
T	1	0	31-Aug-15	ELCO	26.7	G745	G744	82D8	31-Aug-15	T	1	0
T	1	-10	31-Aug-15	ELCO	65.8	F559	F560		31-Aug-15	T	1	-10
T	1	20	31-Aug-15	ELCO	69.1	F361	F362		31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	70.7	C315	C314		31-Aug-15	T	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	20	31-Aug-15	ELCO	66.8	F011	F012	558A	31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	60.9	G747	G746		31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	68.4	G749	G748		31-Aug-15	T	1	20
T	1	20	31-Aug-15	ELCO	51.9	G751	G750	82A8	31-Aug-15	T	1	20
T	2	10	01-Sep-15	ELCO	51.5	C779	C778	5449	01-Sep-15	T	2	10
T	2	10	01-Sep-15	ELCO	71.7	C445	C444	5595	01-Sep-15	T	2	10
T	2	10	01-Sep-15	ELCO	64.5	F713	F714	5544	01-Sep-15	T	2	10
T	2	10	01-Sep-15	ELCO	56.6	F711	F712		01-Sep-15	T	2	10
T	2	0	01-Sep-15	ELCO	70.0	F493	F494	5592	01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	67.1	F667	F668		01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	83.5	G753	G752		01-Sep-15	T	2	0
T	2	30	01-Sep-15	ELCO	65.4	G755	G754		01-Sep-15	T	2	30
T	2	20	01-Sep-15	ELCO	72.1	F535	F536		01-Sep-15	T	2	20
T	2	20	01-Sep-15	ELCO	78.2	F467	F468		01-Sep-15	T	2	20
T	2	20	01-Sep-15	ELCO	49.9	G757	G756	8281	01-Sep-15	T	2	20
T	2	10	01-Sep-15	ELCO	69.6	F727	F728		01-Sep-15	T	2	10
T	2	10	01-Sep-15	ELCO	68.7	C449	C448		01-Sep-15	T	2	10
T	2	0	01-Sep-15	ELCO	71.1	H113	H112		01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	64.8	F529	F530		01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	70.7	C841	C840		01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	69.9	C679	C678		01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	72.0	F525	F526		01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	60.3	G759	G758		01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	72.3	G761	G760	82BA	01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	49.0	G763	G762	829D	01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	70.5	G765	G764		01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	53.0	G767	G766		01-Sep-15	T	2	0
T	2	20	01-Sep-15	ELCO	66.3	C895	C894		01-Sep-15	T	2	20
T	2	20	01-Sep-15	ELCO	70.0	C843	C842		01-Sep-15	T	2	20
T	2	20	01-Sep-15	ELCO	72.5	C873	C872		01-Sep-15	T	2	20
T	2	20	01-Sep-15	ELCO	69.9	F479	F478		01-Sep-15	T	2	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	2	20	01-Sep-15	ELCO	74.7	G769	G768		01-Sep-15	T	2	20
T	2	0	01-Sep-15	ELCO	44.5	F741	F742	5551	01-Sep-15	T	2	0
T	2	0	01-Sep-15	ELCO	75.5	C715	C714		01-Sep-15	T	2	0
T	3	30	01-Sep-15	ELCO	61.1	F699	F700		01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	65.7	E099	F999	563B	01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	78.6	F569	F570		01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	74.1	G771	G770	82D5	01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	62.8	G773	G772		01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	47.5	G775	G774	82C4	01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	71.4	G777	G776		01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	56.4	G779	G778		01-Sep-15	T	3	30
T	3	20	01-Sep-15	ELCO	62.8	E193	E192		01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	82.6	E041	E040		01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	69.0	C695	C694		01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	73.9	C653	C652		01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	61.8	G781	G780	82C6	01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	74.3	G783	G782		01-Sep-15	T	3	20
T	3	10	01-Sep-15	ELCO	76.7	E093	E092		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	56.2	G785	G784		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	63.3	G787	G786		01-Sep-15	T	3	10
T	3	30	01-Sep-15	ELCO	61.8	C681	C680		01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	65.4	F043	F044		01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	79.2	E025	E024		01-Sep-15	T	3	30
T	3	20	01-Sep-15	ELCO	54.5	C833	C832		01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	76.6	G789	G788		01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	71.0	G791	G790	82BB	01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	70.4	G793	G792		01-Sep-15	T	3	20
T	3	10	01-Sep-15	ELCO	75.8	E083	E082		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	65.0	F039	F040		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	68.8	F037	F038		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	63.7	C863	C862		01-Sep-15	T	3	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	3	10	01-Sep-15	ELCO	75.4	E135	E134		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	78.0	E077	E076		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	67.0	G795	G794		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	57.9	G797	G796		01-Sep-15	T	3	10
T	3	0	01-Sep-15	ELCO	64.7	F725	F726		01-Sep-15	T	3	0
T	3	0	01-Sep-15	ELCO	73.0	F561	F562		01-Sep-15	T	3	0
T	3	30	01-Sep-15	ELCO	68.0	G799	G798		01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	74.3	G801	G800	8296	01-Sep-15	T	3	30
T	3	30	01-Sep-15	ELCO	64.5	G803	G802		01-Sep-15	T	3	30
T	3	20	01-Sep-15	ELCO	66.4	C831	C830		01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	62.3	H537	H536		01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	62.1	G807	G806		01-Sep-15	T	3	20
T	3	10	01-Sep-15	ELCO	75.5	E013	E012		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	65.3	F053	F054		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	71.0	G809	G808		01-Sep-15	T	3	10
T	3	10	01-Sep-15	ELCO	72.2	G811	G810	82CC	01-Sep-15	T	3	10
T	3	0	01-Sep-15	ELCO	71.3	F029	F030		01-Sep-15	T	3	0
T	3	0	01-Sep-15	ELCO	62.4	C739	C738		01-Sep-15	T	3	0
T	3	0	01-Sep-15	ELCO	68.4	G813	G812		01-Sep-15	T	3	0
T	3	0	01-Sep-15	ELCO	70.0	G815	G814		01-Sep-15	T	3	0
T	3	30	01-Sep-15	ELCO	80.6	E111	E110		01-Sep-15	T	3	30
T	3	20	01-Sep-15	ELCO	75.3	E089	E088	5647	01-Sep-15	T	3	20
T	3	20	01-Sep-15	ELCO	60.9	C693	C692		01-Sep-15	T	3	20
T	3	10	01-Sep-15	ELCO	52.5	C765	C764		01-Sep-15	T	3	10
T	3	0	01-Sep-15	ELCO	62.4	G817	G816		01-Sep-15	T	3	0
T	3	20	01-Sep-15	ELCO	57.0	F041	F042	5458	01-Sep-15	T	3	20
T	3	30	01-Sep-15	ELCO	73.7	E525	E524	5604	01-Sep-15	T	3	30
T	4	30	02-Sep-15	ELCO	69.2	E317	E316		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	66.0	E179	E178	5659	02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	71.6	E333	E332		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	73.3	E397	E396		02-Sep-15	T	4	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	30	02-Sep-15	ELCO	58.4	E557	E556		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	68.5	E201	E200		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	69.2	G819	G818		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	83.8	H499	H498	82CD	02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	65.3	G823	G822		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	58.1	G825	G824		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	65.9	G827	G826		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	67.0	G829	G828		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	59.5	G831	G830	82D3	02-Sep-15	T	4	30
T	4	20	02-Sep-15	ELCO	61.0	F091	F092		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	70.7	F687	F688		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	71.6	E249	E248		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	66.5	E283	E282		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	61.9	E315	E314	5639	02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	65.7	F703	F704	554D	02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	60.8	G833	G832		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	69.5	G835	G834		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	68.2	G837	G836		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	74.6	H131	H130		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	59.1	G841	G840		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	62.7	G843	G842		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	76.9	G845	G844		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	60.5	G847	G846		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	68.2	G849	G848		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	66.7	G851	G850	82BE	02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	43.2	G853	G852	82C1	02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	80.0	G855	G854		02-Sep-15	T	4	20
T	4	10	02-Sep-15	ELCO	62.2	C979	C978	5469	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	63.2	F607	F608		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	78.2	F601	F602		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	59.4	F751	F752		02-Sep-15	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	10	02-Sep-15	ELCO	70.6	C997	C996		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	66.5	E221	E220		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	59.2	E357	E356		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	71.5	E531	E530		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	67.6	H887	H886		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	55.4	G857	G856		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	56.0	G859	G858		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	61.0	G861	G860		02-Sep-15	T	4	10
T	4	0	02-Sep-15	ELCO	82.8	E399	E398		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	59.7	F709	F710		02-Sep-15	T	4	0
T	4	30	02-Sep-15	ELCO	55.5	F197	F198		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	66.0	F083	F084		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	71.7	G863	G862		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	55.7	G865	G864		02-Sep-15	T	4	30
T	4	20	02-Sep-15	ELCO	65.6	G867	G866		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	70.0	G869	G868		02-Sep-15	T	4	20
T	4	10	02-Sep-15	ELCO	65.4	F661	F662		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	79.0	C977	C976		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	81.3	F115	F116	5417	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	70.3	F077	F076		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	72.3	F123	F124		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	73.0	F073	F074		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	70.5	C973	C972		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	58.2	F145	F146		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	68.8	F069	F070		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	72.2	F977	F978		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	72.7	E541	E540		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	57.3	G871	G870	829E	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	73.5	G873	G872		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	63.9	G875	G874		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	60.8	G877	G876		02-Sep-15	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	10	02-Sep-15	ELCO	69.7	G879	G878		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	78.2	G881	G880	8279	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	64.5	G883	G882		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	71.4	G885	G884		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	72.3	G887	G886		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	52.8	G889	G888		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	52.5	G891	G890	829A	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	61.5	G893	G892		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	56.7	G895	G894		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	71.8	G897	G896		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	69.5	G899	G898		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	63.9	F207	F208		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	74.2	G901	G900	82A6	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	33.1	G903	G902	82B2	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	54.5	G905	G904		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	32.8	G907	G906	82C9	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	52.6	G909	G908		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	72.3	G911	G910		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	62.0	G913	G912		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	57.9	H881	H880		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	63.7	G917	G916		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	69.0	G919	G918		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	24.0	G921	G920	82B4	02-Sep-15	T	4	10
T	4	0	02-Sep-15	ELCO	78.4	E019	E018	5657	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	71.3	E409	E408	5655	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	88.6	E005	E004		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	71.3	D305	D304		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	65.4	E187	E186		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	71.8	E065	E064		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	75.2	E137	E136		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	82.9	F785	F786		02-Sep-15	T	4	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	0	02-Sep-15	ELCO	72.9	H879	H878	5621	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	77.6	E123	E122		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	61.1	G925	G922		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	74.9	G923	G924		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	63.3	G927	G926		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	80.4	E121	E120		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	62.7	G929	G928		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	63.9	G931	G930	82A9	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	65.2	G933	G932		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	51.3	G935	G934		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	52.2	G937	G936		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	85.3	G939	G938		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	66.2	G941	G940	8289	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	52.1	G943	G942		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	62.0	G945	G944		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	78.6	G947	G946		02-Sep-15	T	4	0
T	4	30	02-Sep-15	ELCO	55.8	F153	F154	5450	02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	77.4	E109	E108	565B	02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	69.9	E253	E252		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	62.0	F147	F148		02-Sep-15	T	4	30
T	4	30	02-Sep-15	ELCO	75.1	G949	G948		02-Sep-15	T	4	30
T	4	20	02-Sep-15	ELCO	72.4	G951	G950	82AF	02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	66.7	G953	G952		02-Sep-15	T	4	20
T	4	20	02-Sep-15	ELCO	63.2	G955	G954		02-Sep-15	T	4	20
T	4	10	02-Sep-15	ELCO	73.7	E351	E350		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	65.1	G957	G956		02-Sep-15	T	4	10
T	4	0	02-Sep-15	ELCO	48.2	F675	F676	5561	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	64.7	F191	F192		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	71.2	G959	G958		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	57.2	E057	E056		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	71.6	E181	E180		02-Sep-15	T	4	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	0	02-Sep-15	ELCO	83.2	E085	E084		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	78.4	E031	E030		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	67.9	E197	E196		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	81.6	E345	E344	5643	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	64.4	F693	F694	5568	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	58.4	F211	F212		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	71.9	C985	C984		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	51.2	G961	G960	82CB	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	65.5	G963	G962		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	73.2	G965	G964		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	61.9	G967	G966		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	56.9	G969	G968		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	55.5	G971	G970	82A3	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	69.6	G973	G972		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	58.2	G975	G974		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	66.9	G977	G976		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	67.5	G979	G978		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	55.7	G981	G980	54DC	02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	67.4	G983	G982		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	63.8	G985	G984		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	51.4	G987	G986		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	65.5	G989	G988		02-Sep-15	T	4	0
T	4	0	02-Sep-15	ELCO	57.2	G991	G990	82BF	02-Sep-15	T	4	0
T	4	30	02-Sep-15	ELCO	81.0	G993	G992		02-Sep-15	T	4	30
T	4	20	02-Sep-15	ELCO	72.5	E307	E306		02-Sep-15	T	4	20
T	4	10	02-Sep-15	ELCO	75.5	E229	E228		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	63.0	F121	F122		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	48.7	G995	G994	828B	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	71.6	G997	G996		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	49.9	G999	G998	54DF	02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	51.8	P001	P000	82A2	02-Sep-15	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	10	02-Sep-15	ELCO	66.0	P003	P002		02-Sep-15	T	4	10
T	4	10	02-Sep-15	ELCO	60.1	P005	P004		02-Sep-15	T	4	10
T	4	20	02-Sep-15	ELCO	89.9	E543	E542		02-Sep-15	T	4	20
T	5	10	02-Sep-15	ELCO	76.1	E483	E482		02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	66.0	C553	C552		02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	76.3	C957	C956	5411	02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	62.0	C959	C958		02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	66.4	C937	C936	545B	02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	66.5	C903	C902		02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	71.6	F385	F386		02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	70.7	C913	C912		02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	74.0	F387	F388		02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	72.3	C487	C486	5422	02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	73.9	P007	P006		02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	62.2	P009	P008		02-Sep-15	T	5	10
T	5	10	02-Sep-15	ELCO	65.3	P011	P010	82CE	02-Sep-15	T	5	10
T	5	0	02-Sep-15	ELCO	70.2	C915	C914		02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	63.8	C533	C532		02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	61.4	C545	C544		02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	69.5	E593	E592		02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	64.3	P013	P012		02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	58.1	P015	P014		02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	73.0	P017	P016		02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	33.8	P019	P018	82A5	02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	62.6	P021	P020	82D7	02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	81.6	P023	P022		02-Sep-15	T	5	0
T	5	0	02-Sep-15	ELCO	68.0	P025	P024		02-Sep-15	T	5	0
T	5	30	02-Sep-15	ELCO	77.6	E669	E668		02-Sep-15	T	5	30
T	5	30	02-Sep-15	ELCO	62.7	P027	P026		02-Sep-15	T	5	30
T	5	30	02-Sep-15	ELCO	62.8	C961	C960		02-Sep-15	T	5	30
T	5	30	02-Sep-15	ELCO	73.4	P029	P028		02-Sep-15	T	5	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	5	20	02-Sep-15	ELCO	78.5	C513	C512		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	72.8	C515	C514		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	73.4	C931	C930		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	73.7	C517	C516	545E	02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	66.7	C747	C746	546E	02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	78.9	E733	E732	5640	02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	74.1	E575	E574	564C	02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	52.8	C519	C518		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	73.2	C827	C826	5459	02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	70.4	F403	F404	5587	02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	62.0	F419	F420		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	74.1	F421	F422		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	70.8	C551	C550		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	54.2	P031	P030	82A0	02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	80.3	P033	P032		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	56.2	P035	P034		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	68.7	P037	P036		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	61.4	P039	P038		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	57.5	P041	P040	8280	02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	66.0	P043	P042		02-Sep-15	T	5	20
T	5	20	02-Sep-15	ELCO	72.7	P045	P044		02-Sep-15	T	5	20
T	5	30	03-Sep-15	ELCO	68.2	C527	C526	542A	03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	63.9	F413	F414		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	89.2	P047	P046		03-Sep-15	T	5	30
T	5	20	03-Sep-15	ELCO	52.9	C963	C962		03-Sep-15	T	5	20
T	5	20	03-Sep-15	ELCO	76.5	C549	C548		03-Sep-15	T	5	20
T	5	20	03-Sep-15	ELCO	65.5	E619	E618		03-Sep-15	T	5	20
T	5	20	03-Sep-15	ELCO	67.1	E451	E450		03-Sep-15	T	5	20
T	5	20	03-Sep-15	ELCO	52.8	P049	P048		03-Sep-15	T	5	20
T	5	20	03-Sep-15	ELCO	69.7	P051	P050	5500	03-Sep-15	T	5	20
T	5	20	03-Sep-15	ELCO	54.7	P053	P052		03-Sep-15	T	5	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	5	10	03-Sep-15	ELCO	72.1	C897	C896	5425	03-Sep-15	T	5	10
T	5	10	03-Sep-15	ELCO	61.6	C935	C934		03-Sep-15	T	5	10
T	5	10	03-Sep-15	ELCO	71.0	E605	E614		03-Sep-15	T	5	10
T	5	10	03-Sep-15	ELCO	72.5	C555	C554		03-Sep-15	T	5	10
T	5	0	03-Sep-15	ELCO	65.2	P055	P054		03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	69.0	P057	P056		03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	75.3	P059	P058		03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	61.4	P061	P060	82A7	03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	64.7	P063	P062		03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	68.8	P065	P064		03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	78.6	P067	P066		03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	73.6	P069	P068		03-Sep-15	T	5	0
T	5	30	03-Sep-15	ELCO	79.0	E843	E842		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	60.9	C767	C766		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	72.8	F395	F396		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	72.8	F407	F408		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	73.7	F409	F410		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	52.5	C493	C492		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	78.0	E915	E914		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	74.9	C837	C836	545D	03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	60.5	P071	P070	8298	03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	35.5	P073	P072	8230	03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	71.8	P075	P074		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	78.0	P077	P076		03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	70.5	P079	P078		03-Sep-15	T	5	30
T	5	20	03-Sep-15	ELCO	76.7	P081	P080		03-Sep-15	T	5	20
T	5	20	03-Sep-15	ELCO	64.8	P083	P082	8291	03-Sep-15	T	5	20
T	5	20	03-Sep-15	ELCO	60.1	P085	P084		03-Sep-15	T	5	20
T	5	20	03-Sep-15	ELCO	42.7	P087	P086	8297	03-Sep-15	T	5	20
T	5	10	03-Sep-15	ELCO	70.9	C485	C484		03-Sep-15	T	5	10
T	5	10	03-Sep-15	ELCO	70.2	P089	P088		03-Sep-15	T	5	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	5	0	03-Sep-15	ELCO	90.7	F439	F440		03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	61.0	P091	P090	828F	03-Sep-15	T	5	0
T	5	30	03-Sep-15	ELCO	79.8	E079	E078	5653	03-Sep-15	T	5	30
T	5	30	03-Sep-15	ELCO	53.8	P093	P092		03-Sep-15	T	5	30
T	5	20	03-Sep-15	ELCO	68.8	F447	F448		03-Sep-15	T	5	20
T	5	10	03-Sep-15	ELCO	64.5	P095	P094		03-Sep-15	T	5	10
T	5	10	03-Sep-15	ELCO	54.7	P097	P096		03-Sep-15	T	5	10
T	5	10	03-Sep-15	ELCO	69.4	P099	P098		03-Sep-15	T	5	10
T	5	10	03-Sep-15	ELCO	55.1	P101	P100	82AE	03-Sep-15	T	5	10
T	5	0	03-Sep-15	ELCO	60.9	F397	F398		03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	62.6	P103	P102		03-Sep-15	T	5	0
T	5	0	03-Sep-15	ELCO	75.0	P105	P104		03-Sep-15	T	5	0
T	1	0	20-Jun-16	ELCO	55.9	F899	F900		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	63.5	G485	G484		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	63.0	G507	G506		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	66.0	G557	G556		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	67.0	G737	G736		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	68.3	G739	G738		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	66.8	H113	H112		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	79.5	H115	H114		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	70.9	H117	H116		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	62.6	H119	H118		20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	53.5	H121	H120	54A4	20-Jun-16	T	1	0
T	1	0	20-Jun-16	ELCO	52.8	H123	H122		20-Jun-16	T	1	0
T	1	10	20-Jun-16	ELCO	66.1	C299	C298		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	57.8	C305	C304		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	63.5	C313	C312		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	63.5	C327	C326		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	57.8	C329	C328		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	64.4	C339	C338		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	70.4	C343	C342		20-Jun-16	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	20-Jun-16	ELCO	62.0	C353	C352		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	70.0	C363	C362		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	66.4	C393	C392		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	69.9	C413	C412		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	71.0	C559	C558		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	67.2	C571	C570		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	70.0	C573	C572		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	69.3	C587	C586		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	65.6	C591	C590		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	63.4	C593	C592		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	70.7	C597	C596	542C	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	81.2	C607	C606	5438	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	65.5	C615	C614		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	63.4	C617	C616	5419	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	73.3	C627	C626	5453	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	65.3	C637	C636	5431	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	67.7	C649	C648		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	74.4	C653	C652		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	64.5	C657	C656	5421	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	75.2	E003	E002		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	58.9	E529	E528		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	66.0	E805	E804		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	56.1	F259	F260		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	61.5	F261	F262		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	58.8	F271	F272		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	66.1	F325	F326		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	67.6	F584	F586		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	56.7	F591	F592		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	61.3	F645	F646		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	72.3	F671	F672		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	62.2	F739	F740		20-Jun-16	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	20-Jun-16	ELCO	61.1	F825	F826		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	64.0	F829	F830		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	55.4	F855	F856	557C	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	68.7	F917	F918		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	55.2	F927	F928		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	73.2	F929	F930		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	72.4	H873	H872	557B	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	66.4	F935	F936		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	59.8	G489	G488		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	54.6	G503	G502		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	75.8	G581	G580	5510	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	69.6	G595	G594		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	78.8	G621	G620	54E3	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	62.0	G623	G622		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	63.5	G631	G630	54F8	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	63.6	G651	G650	82B5	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	55.5	G725	G724		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	53.2	G731	G730	82D6	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	62.4	H011	H010		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	66.9	H013	H012		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	59.5	H015	H014		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	71.1	H017	H016	5495	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	61.2	H019	H018		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	46.5	H021	H020	54B2	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	38.0	H023	H022	5484	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	66.1	H025	H024		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	66.1	H071	H070	54A3	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	60.1	H073	H072		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	68.5	H075	H074		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	63.4	H077	H076		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	62.3	H079	H078		20-Jun-16	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	20-Jun-16	ELCO	64.1	H081	H080	54B8	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	63.3	H083	H082		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	54.6	H085	H084		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	39.7	H087	H086	54AF	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	37.1	H089	H088	54D2	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	66.2	H091	H090		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	67.3	H093	H092		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	70.4	H095	H094		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	73.9	H097	H096		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	64.1	H099	H098		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	72.7	H101	H100	5472	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	47.6	H103	H102	5589	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	45.5	H105	H104	5494	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	58.6	H107	H106		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	56.3	H109	H108		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	51.1	H111	H110	5498	20-Jun-16	T	1	10
T	1	20	20-Jun-16	ELCO	67.8	C294	C292	5540	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	58.5	C295	C296	5546	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	59.8	C347	C346		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	68.0	C355	C354		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	73.2	C361	C360		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	63.5	C365	C364		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	63.3	C403	C402		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	62.9	C605	C604		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	75.4	C693	C692		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	61.7	F013	F014	5539	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	55.5	F335	F336		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	70.4	F345	F346		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	74.7	F349	F350		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	84.1	F359	F360		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	70.1	F361	F362		20-Jun-16	T	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	20	20-Jun-16	ELCO	65.8	F371	F372		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	70.4	F869	F870		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	67.6	G583	G582		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	75.8	G619	G618		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	51.4	G629	G628		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	73.0	G641	G640	82D2	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	48.7	G645	G644	5520	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	71.8	G653	G652		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	80.4	G655	G654		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	54.1	G659	G658		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	58.4	G691	G690	82DA	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	52.8	G751	G750	82A8	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	69.1	H037	H036		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	70.5	H039	H038	5479	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	52.7	H041	H040		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	57.7	H043	H042		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	84.2	H045	H044		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	68.5	H047	H046		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	57.9	H049	H048	54B5	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	36.3	H051	H050	5493	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	70.6	H053	H052		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	64.5	H055	H054		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	54.9	H057	H056		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	65.8	H059	H058	5490	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	56.3	H061	H060		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	70.8	H065	H064		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	44.5	H067	H066	548B	20-Jun-16	T	1	20
T	1	20	20-Jun-16	STUN	48.1	H069	H068	5471	20-Jun-16	T	1	20
T	1	30	20-Jun-16	ELCO	67.9	F011	F012	558A	20-Jun-16	T	1	30
T	1	30	20-Jun-16	ELCO	69.3	G749	G748		20-Jun-16	T	1	30
T	1	10	20-Jun-16	ELCO	59.5	C311	C310		20-Jun-16	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	20-Jun-16	ELCO	56.8	C383	C382		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	61.2	F217	F218		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	69.7	F267	F268		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	57.7	F277	F278		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	63.7	F915	F916		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	64.6	G495	G494		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	59.3	G567	G566		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	60.1	G627	G626		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	70.9	G715	G714		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	62.5	H027	H026		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	59.4	H029	H028		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	61.6	H031	H030		20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	58.0	H033	H032	54A9	20-Jun-16	T	1	10
T	1	10	20-Jun-16	ELCO	59.0	H035	H034		20-Jun-16	T	1	10
T	1	20	20-Jun-16	ELCO	65.3	C653	C652		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	74.0	C673	C672		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	60.5	F357	F358		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	77.6	F375	F376		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	49.3	F895	F896	560A	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	74.7	F943	F944	55AD	20-Jun-16	T	1	20
T	1	20	20-Jun-16	STUN	49.7	G697	G696	82B9	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	63.8	H001	H000		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	59.0	H003	H002		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	52.3	H005	H004		20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	50.0	H007	H006	5482	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	66.1	H009	H008	54B9	20-Jun-16	T	1	20
T	1	20	20-Jun-16	ELCO	55.2	H063	H062		20-Jun-16	T	1	20
T	2	0	22-Jun-16	ELCO	63.0	H153	H152		22-Jun-16	T	2	0
T	2	0	22-Jun-16	ELCO	62.4	H155	H154		22-Jun-16	T	2	0
T	2	0	22-Jun-16	ELCO	53.4	H157	H156		22-Jun-16	T	2	0
T	2	0	22-Jun-16	ELCO	62.0	H159	H158		22-Jun-16	T	2	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	2	0	22-Jun-16	ELCO	55.5	H161	H160	54C3	22-Jun-16	T	2	0
T	2	0	22-Jun-16	ELCO	40.3	H163	H162	54AD	22-Jun-16	T	2	0
T	2	10	22-Jun-16	ELCO	67.9	C431	C430		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	60.3	C469	C468		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	69.5	C679	C678		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	74.5	C715	C714		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	50.8	C779	C778	5449	22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	64.9	C895	C894		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	72.0	D207	D206		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	88.4	E543	E542		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	69.1	F479	F480		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	76.6	F603	F604	5572	22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	63.0	F713	F714	5544	22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	45.2	F741	F742	5551	22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	72.5	F769	F770		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	69.9	F773	F774	5562	22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	59.1	G759	G758		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	71.8	G761	G760	82BA	22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	54.9	H139	H138		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	69.9	H141	H140	548F	22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	66.0	H143	H142		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	65.7	H145	H144		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	78.7	H147	H146		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	70.0	H149	H148		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	52.9	H151	H150	54CE	22-Jun-16	T	2	10
T	2	20	22-Jun-16	ELCO	67.9	C449	C448		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	72.6	C477	C476		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	58.8	C759	C758		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	67.8	C825	C824		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	68.7	F493	F494	5592	22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	82.2	F577	F578		22-Jun-16	T	2	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	2	20	22-Jun-16	ELCO	62.8	F733	F734	5588	22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	82.5	G753	G752		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	64.1	H125	H124		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	67.9	H127	H126		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	60.9	H129	H128		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	73.5	H131	H130		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	56.0	H133	H132	5474	22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	57.6	H135	H134		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	62.7	H137	H136		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	47.0	H179	H180	54BE	22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	56.2	H181	H182		22-Jun-16	T	2	20
T	2	30	22-Jun-16	ELCO	61.8	C459	C458		22-Jun-16	T	2	30
T	2	30	22-Jun-16	ELCO	67.1	C825	C824		22-Jun-16	T	2	30
T	2	30	22-Jun-16	ELCO	74.7	C869	C868		22-Jun-16	T	2	30
T	2	30	22-Jun-16	ELCO	68.9	D235	D234		22-Jun-16	T	2	30
T	2	30	22-Jun-16	ELCO	77.3	E225	E224	5634	22-Jun-16	T	2	30
T	2	30	22-Jun-16	ELCO	69.8	E419	E418	548A	22-Jun-16	T	2	30
T	2	0	22-Jun-16	ELCO	58.5	H175	H174		22-Jun-16	T	2	0
T	2	10	22-Jun-16	ELCO	60.4	H169	H168		22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	59.9	H171	H170	54CA	22-Jun-16	T	2	10
T	2	10	22-Jun-16	ELCO	49.4	H173	H172	54A5	22-Jun-16	T	2	10
T	2	20	22-Jun-16	ELCO	55.6	F109	F110		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	67.1	F595	F596		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	68.7	F727	F728		22-Jun-16	T	2	20
T	2	20	22-Jun-16	ELCO	56.5	H167	H166		22-Jun-16	T	2	20
T	2	30	22-Jun-16	ELCO	68.0	E279	E278		22-Jun-16	T	2	30
T	2	30	22-Jun-16	ELCO	73.3	H165	H164		22-Jun-16	T	2	30
C	1	0	23-Aug-16	ELCO	72.9	G069	G068		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	59.1	H191	H192		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	73.6	H193	H194		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	58.6	H197	H196		23-Aug-16	C	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	0	23-Aug-16	ELCO	53.9	H199	H198		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	44.6	H201	H200	54B4	23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	36.8	H203	H202	5477	23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	86	D387	D388		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	65.4	D459	D460		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	55.4	D533	D534	55F8	23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	60.5	D565	D566		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	58	H251	H250		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	53.3	H253	H252		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	45.3	H255	H254	5491	23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	61.3	H257	H256		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	59.9	H259	H258	828A	23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	79.8	H261	H260		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	48.4	H263	H262	82D1	23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	55.6	H265	H264		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	50	H267	H266	82CF	23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	81.5	H269	H268		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	46	H271	H270	827A	23-Aug-16	C	1	0
C	1	10	23-Aug-16	ELCO	78.3	D623	D624		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	66.3	D649	D650	55F4	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	85.4	D957	D958		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	61.1	H187	H188	54C4	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	80.5	H189	H190		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	65.7	D369	D370		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	74.4	D373	D374		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	71.6	D383	D384		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	56.3	D471	D472		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	57.3	D485	D486	54AE	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	62.8	D503	D504		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	68.2	D525	D526		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	63.1	D529	D530		23-Aug-16	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	23-Aug-16	ELCO	60.4	D549	D550	5502	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	60.5	D573	D574		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	77.4	D657	D658		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	77.6	D863	D864		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	65.3	G099	G098	54DB	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	76.8	G103	G102		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	58.8	G133	G132		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	59.9	G135	G134		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	77.5	H361	H360	5515	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	79.6	G271	G270		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	53.9	G273	G272		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	72.7	G287	G286		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	63.4	H273	H272		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	61.2	H275	H274		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	53.5	H277	H276		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	45	H279	H278	54C1	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	41.3	H281	H280	54C0	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	71.2	H283	H282		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	57.3	H285	H284		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	73.1	H287	H286		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	69.9	H289	H288		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	74.8	H291	H290		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	45.6	H293	H292	5481	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	77.5	H295	H294	548C	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	71.9	H297	H296		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	52.8	H299	H298		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	60	H301	H300		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	51.8	H303	H302		23-Aug-16	C	1	10
C	1	20	23-Aug-16	ELCO	74.7	H177	H176		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	65.6	H183	H184		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	54	H185	H186		23-Aug-16	C	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	20	23-Aug-16	ELCO	63.2	D377	D378	55EB	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	71.9	D409	D410		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	57.8	D413	D414		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	74.3	D417	D418	55BE	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	74.3	D421	D422		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	74.6	D423	D424		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	71.9	D433	D434		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	71.5	D437	D438	55EA	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	75.5	D439	D440		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	67.8	D463	D464		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	56.8	D501	D502		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	50.6	D535	D536	55D5	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	52.1	D539	D540	55D9	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	74.4	D869	D870		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	71.2	D893	D894		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	60.9	D901	D902		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	55.8	D915	D916	55A3	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	73.5	D937	D938		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	65.5	D969	D970		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	73.9	G141	G140		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	60.1	G143	G142		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	59.8	G155	G154		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	77.8	G157	G156	550E	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	74.1	G195	G194	5528	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	60.9	G199	G198		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	70.8	G201	G200		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	63.2	H215	H214		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	54.3	H217	H216		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	62.3	H219	H218		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	67	H221	H220		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	72.6	H223	H222	827C	23-Aug-16	C	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	20	23-Aug-16	ELCO	53	H225	H224		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	52.4	H227	H226		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	69.1	H229	H228		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	62.8	H231	H230		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	64.4	H233	H232		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	65	H235	H234	8285	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	68.7	H237	H236		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	61.2	H239	H238		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	67.8	H243	H242	827D	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	54.5	H245	H244		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	40.1	H247	H246	8282	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	42.7	H249	H248	82C5	23-Aug-16	C	1	20
C	1	30	23-Aug-16	ELCO	81.7	G079	G078		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	62.9	D403	D404		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	85.3	D431	D432		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	74.2	D661	D662		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	78.6	D861	D862		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	66.5	D887	D888		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	78.1	D891	D892		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	57.8	D919	D920		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	67.8	D933	D934		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	65.4	D949	D950		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	48.6	G163	G162	5506	23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	82	G171	G170		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	71.6	G173	G172		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	60.5	G207	G206		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	74.5	G215	G214		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	74.6	G219	G218		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	85.4	G235	G234		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	73.3	G249	G248		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	80.3	G255	G254	54E8	23-Aug-16	C	1	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	30	23-Aug-16	ELCO	62.1	H205	H204	54CB	23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	67.7	H207	H206		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	85.9	H209	H208		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	79.5	H211	H210		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	75.3	H213	H212	5470	23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	52	H359	H358	547F	23-Aug-16	C	1	30
C	1	0	23-Aug-16	ELCO	74.1	H309	H308		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	55.7	H311	H310		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	57.5	H313	H312		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	67	D557	D558		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	70.1	D567	D568		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	78.1	D635	D638		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	81.4	G187	G186		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	54.9	H355	H354		23-Aug-16	C	1	0
C	1	0	23-Aug-16	ELCO	47.8	H357	H356	54BB	23-Aug-16	C	1	0
C	1	10	23-Aug-16	ELCO	61.2	H307	H306	54B6	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	54	D395	D396	55A1	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	57.5	D405	D406	55FA	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	71	D425	D426		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	61.8	D443	D444		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	59.2	D583	D584		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	83.6	D613	D614		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	70.5	D653	D654		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	56.2	G257	G256		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	87.7	H337	H336		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	75	H339	H338	54AB	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	58.8	H341	H340		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	71.3	H343	H342		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	44.9	H345	H344	54BF	23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	51.6	H347	H346		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	59.2	H349	H348		23-Aug-16	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	23-Aug-16	ELCO	63.1	H351	H350		23-Aug-16	C	1	10
C	1	10	23-Aug-16	ELCO	67.4	H353	H352		23-Aug-16	C	1	10
C	1	20	23-Aug-16	ELCO	75.1	D447	D448		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	56.7	D359	D360		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	60.7	D457	D458	55AC	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	59.1	D531	D532		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	54.7	D537	D538	55B7	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	70	D967	D968		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	60.5	G153	G152		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	66.9	G181	G180		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	59.4	G193	G192		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	47.8	H325	H324	549B	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	56.5	H327	H326		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	41.1	H329	H328	54C9	23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	50.1	H331	H330		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	67.2	H333	H332		23-Aug-16	C	1	20
C	1	20	23-Aug-16	ELCO	67.4	H335	H334		23-Aug-16	C	1	20
C	1	30	23-Aug-16	ELCO	61.8	H305	H304		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	56.7	D453	D454		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	57.7	D519	D520		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	76.2	D927	D928		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	73.3	D979	D980		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	62	G211	G210		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	74.4	G245	G244	54E4	23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	82	H315	H314		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	56	H317	H316		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	51.3	H319	H318	547E	23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	56.4	H321	H320		23-Aug-16	C	1	30
C	1	30	23-Aug-16	ELCO	41.1	H323	H322	5478	23-Aug-16	C	1	30
C	3	0	24-Aug-16	ELCO	62.3	H489	H488		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	75	H491	H490	839C	24-Aug-16	C	3	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	0	24-Aug-16	ELCO	66.3	D753	D754	55CD	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	74.8	D755	D756		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	81	D813	D814	55EF	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	69.8	D817	D818		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	70.5	D819	D818		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	57.4	D841	D842		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	79.5	D847	D848		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	85.1	G331	G330		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	82.8	G333	G332		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	69.2	G343	G342		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	58.6	H854	H855		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	72	G383	G382		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	72.2	G385	G384		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	73.2	G391	G390		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	67.9	G397	G396	550C	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	71.8	G403	G402		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	61.2	G455	G454		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	89.6	G469	G468		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	54.7	H433	H432		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	54.5	H435	H434		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	50.3	H437	H436		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	78.3	H439	H438		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	64.7	H441	H440	82D4	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	85.6	H443	H442		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	79.9	H445	H444		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	66.5	H447	H446		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	72.7	H449	H448		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	69.6	H451	H450	82BC	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	49.6	H453	H452	827F	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	44.6	H455	H454	82AC	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	74.4	H457	H456		24-Aug-16	C	3	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	0	24-Aug-16	ELCO	74.9	H459	H458		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	60.3	H461	H460	829C	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	44.1	H463	H462	829B	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	79.4	H465	H464		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	86.9	H813	H812		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	63.9	H469	H468		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	55.5	H471	H470	82A4	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	48.6	H473	H472	82AA	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	46.4	H475	H474	8383	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	69.3	H477	H476		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	70.3	H479	H478		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	67.1	H481	H480	8357	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	58.6	H483	H482		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	56.9	H485	H484		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	55.1	H487	H486		24-Aug-16	C	3	0
C	3	10	24-Aug-16	ELCO	70.9	D743	D744	55AE	24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	75	D757	D758		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	80.2	D765	D766		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	78.8	H833	H832	55C8	24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	84.4	D811	D812		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	79.2	D821	D822		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	51.5	D837	D838	559E	24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	58.3	D839	D840	55E5	24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	76.2	G293	G292		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	70.6	G295	G294		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	82.8	H835	H834		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	68.5	G303	G302		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	70.4	G311	G310	54E9	24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	61.7	G313	G312	5522	24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	66.5	G319	G318		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	74.3	G433	G432		24-Aug-16	C	3	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	10	24-Aug-16	ELCO	83.2	G439	G438		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	78.6	H415	H414		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	83.7	H417	H416		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	80	H419	H418		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	67	H421	H420	82BD	24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	71.6	H423	H422		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	81.5	H425	H424		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	86.6	H427	H426		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	70.4	H429	H428		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	74	H431	H430	8278	24-Aug-16	C	3	10
C	3	20	24-Aug-16	ELCO	77.8	D739	D740		24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	78.9	G411	G410		24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	66.5	G413	G412		24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	62.8	H395	H394		24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	56.1	H397	H396		24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	73.3	H399	H398		24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	49.6	H401	H400	8287	24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	46.4	H403	H402	828E	24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	40.8	H405	H404	827E	24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	43.4	H407	H406	82B1	24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	41.1	H409	H408	8288	24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	22.5	H411	H410		24-Aug-16	C	3	20
C	3	20	24-Aug-16	ELCO	53.8	H413	H412		24-Aug-16	C	3	20
C	3	30	24-Aug-16	ELCO	67	G417	G416		24-Aug-16	C	3	30
C	3	30	24-Aug-16	ELCO	67.3	G419	G418		24-Aug-16	C	3	30
C	3	30	24-Aug-16	ELCO	63.9	G421	G420		24-Aug-16	C	3	30
C	3	30	24-Aug-16	ELCO	60.5	H385	H384		24-Aug-16	C	3	30
C	3	30	24-Aug-16	ELCO	79.9	H387	H386		24-Aug-16	C	3	30
C	3	30	24-Aug-16	ELCO	52.7	H389	H388		24-Aug-16	C	3	30
C	3	30	24-Aug-16	ELCO	49.4	H391	H390	828D	24-Aug-16	C	3	30
C	3	30	24-Aug-16	ELCO	42.9	H393	H392	8299	24-Aug-16	C	3	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	0	24-Aug-16	ELCO	63.3	H495	H494		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	70.3	D827	D828		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	63.2	D833	D834	55A7	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	73.5	G349	G348		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	76.4	G405	G404		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	62.9	G461	G460		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	40.5	G471	G470	550F	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	44.2	H371	H370	82B3	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	78.8	H373	H372		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	65.3	H375	H374		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	68.5	H377	H376		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	70.4	H379	H378		24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	72.5	H381	H380	8283	24-Aug-16	C	3	0
C	3	0	24-Aug-16	ELCO	60	H383	H382	82C7	24-Aug-16	C	3	0
C	3	10	24-Aug-16	ELCO	50.2	H493	H492		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	53.4	D835	D836	55AA	24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	86.4	G305	G304		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	74.3	G307	G306		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	70.8	H367	H366		24-Aug-16	C	3	10
C	3	10	24-Aug-16	ELCO	50.4	H369	H368		24-Aug-16	C	3	10
C	3	20	24-Aug-16	ELCO	53.9	H365	H364		24-Aug-16	C	3	20
C	3	30	24-Aug-16	ELCO	57.3	H363	H362		24-Aug-16	C	3	30
R	1	320	29-Aug-16	ELCO	58.1	C379	C378		29-Aug-16	R	1	320
R	1	180	29-Aug-16	ELCO	63.2	C719	C718		29-Aug-16	R	1	180
R	1	330	29-Aug-16	ELCO	63	C721	C720		29-Aug-16	R	1	330
R	1	300	29-Aug-16	ELCO	64.8	C725	C724		29-Aug-16	R	1	300
R	1	230	29-Aug-16	ELCO	64.2	C875	C874		29-Aug-16	R	1	230
R	1	300	29-Aug-16	ELCO	70.9	D178	D177	55CA	29-Aug-16	R	1	300
R	1	340	29-Aug-16	ELCO	76.5	D213	D212		29-Aug-16	R	1	340
R	1	300	29-Aug-16	ELCO	64.4	D237	D236		29-Aug-16	R	1	300
R	1	310	29-Aug-16	ELCO	72	D271	D270		29-Aug-16	R	1	310

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	300	29-Aug-16	ELCO	75.7	D703	D704		29-Aug-16	R	1	300
R	1	310	29-Aug-16	ELCO	82.4	E073	E072		29-Aug-16	R	1	310
R	1	90	25-Aug-16	ELCO	62.3	E425	E424		25-Aug-16	R	1	90
R	1	220	26-Aug-16	ELCO	69.1	E441	E440		26-Aug-16	R	1	220
R	1	230	29-Aug-16	ELCO	63.4	E539	E538		29-Aug-16	R	1	230
R	1	320	29-Aug-16	ELCO	58.1	E783	E782	5600	29-Aug-16	R	1	320
R	1	210	29-Aug-16	ELCO	60.5	F033	F034		29-Aug-16	R	1	210
R	1	320	29-Aug-16	ELCO	53.9	F291	F292	5Y5C	29-Aug-16	R	1	320
R	1	260	29-Aug-16	ELCO	67.9	F389	F390		29-Aug-16	R	1	260
R	1	320	29-Aug-16	ELCO	67.4	F631	F632		29-Aug-16	R	1	320
R	1	320	29-Aug-16	ELCO	56.5	F715	F716		29-Aug-16	R	1	320
R	1	260	26-Aug-16	ELCO	65.8	F771	F772		26-Aug-16	R	1	260
R	1	40	25-Aug-16	ELCO	60.4	G597	G596		25-Aug-16	R	1	40
R	1	280	26-Aug-16	ELCO	51.2	G763	G762		26-Aug-16	R	1	280
R	1	350	29-Aug-16	ELCO	65	G823	G822		29-Aug-16	R	1	350
R	1	30	25-Aug-16	ELCO	62.1	H497	H496		25-Aug-16	R	1	30
R	1	330	29-Aug-16	ELCO	82.8	H499	H498	82CD	29-Aug-16	R	1	330
R	1	310	29-Aug-16	ELCO	69	H501	H500		29-Aug-16	R	1	310
R	1	330	29-Aug-16	ELCO	67.3	H503	H502		29-Aug-16	R	1	330
R	1	330	29-Aug-16	ELCO	73.6	H505	H504		29-Aug-16	R	1	330
R	1	290	29-Aug-16	ELCO	64.4	P095	P094		29-Aug-16	R	1	290
T	3	0	30-Aug-16	ELCO	65.8	C739	C738		30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	72.2	G815	G814		30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	53.4	H507	H178		30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	79.2	E117	E116		30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	68.4	F679	F680		30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	72.9	F947	F948		30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	57.1	H547	H546		30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	73.3	H549	H548		30-Aug-16	T	3	0
T	3	10	30-Aug-16	ELCO	73.8	C731	C730		30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	60.2	C761	C760		30-Aug-16	T	3	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	3	10	30-Aug-16	ELCO	60.4	H509	H508		30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	65.3	H511	H510	839D	30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	67.4	H513	H512		30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	75.8	H515	H514		30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	35.5	H517	H516	838B	30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	52.5	E203	E202	5661	30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	74.9	F573	F574	5584	30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	79.6	G975	G974		30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	61.7	H551	H550	8377	30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	69.8	H553	H552		30-Aug-16	T	3	10
T	3	20	30-Aug-16	ELCO	71.3	F025	F026		30-Aug-16	T	3	20
T	3	20	30-Aug-16	ELCO	64.7	G807	G806		30-Aug-16	T	3	20
T	3	20	30-Aug-16	ELCO	62.1	H519	H518		30-Aug-16	T	3	20
T	3	20	30-Aug-16	ELCO	61.8	H521	H520	B1C6	30-Aug-16	T	3	20
T	3	20	30-Aug-16	ELCO	67.7	F043	F044		30-Aug-16	T	3	20
T	3	20	30-Aug-16	ELCO	72.2	H555	H554		30-Aug-16	T	3	20
T	3	30	30-Aug-16	ELCO	62.9	E133	E132		30-Aug-16	T	3	30
T	3	30	30-Aug-16	ELCO	73.2	G777	G776		30-Aug-16	T	3	30
T	3	30	30-Aug-16	ELCO	68.3	H523	H522		30-Aug-16	T	3	30
T	3	30	30-Aug-16	ELCO	62.5	H525	H524		30-Aug-16	T	3	30
T	3	30	30-Aug-16	ELCO	76.3	E731	E730		30-Aug-16	T	3	30
T	3	0	30-Aug-16	ELCO	54.3	H527	H526		30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	36.3	H529	H528	8384	30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	50.5	H531	H530	838D	30-Aug-16	T	3	0
T	3	0	30-Aug-16	ELCO	74.9	E127	E126		30-Aug-16	T	3	0
T	3	10	30-Aug-16	ELCO	59.8	F055	F056		30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	65.6	G787	G786		30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	49.1	H533	H532	8388	30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	47.4	H535	H534	B1C7	30-Aug-16	T	3	10
T	3	10	30-Aug-16	ELCO	67.5	F043	F044		30-Aug-16	T	3	10
T	3	20	30-Aug-16	ELCO	65	H537	H536		30-Aug-16	T	3	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	3	20	30-Aug-16	ELCO	44.1	H539	H538	838F	30-Aug-16	T	3	20
T	3	20	30-Aug-16	ELCO	42.5	H541	H540	8398	30-Aug-16	T	3	20
T	3	30	30-Aug-16	ELCO	63.1	F627	F628		30-Aug-16	T	3	30
T	3	30	30-Aug-16	ELCO	65.4	G773	G772		30-Aug-16	T	3	30
T	3	30	30-Aug-16	ELCO	67.2	H543	H542		30-Aug-16	T	3	30
T	3	30	30-Aug-16	ELCO	73.9	H545	H544		30-Aug-16	T	3	30
T	3	30	30-Aug-16	ELCO	63.5	C693	C692		30-Aug-16	T	3	30
T	3	30	30-Aug-16	ELCO	76.8	E089	E088	5647	30-Aug-16	T	3	30
T	4	0	30-Aug-16	ELCO	70.8	C991	C990		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	69	E053	E052		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	57.5	E057	E056		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	69.2	E063	E062		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	77.8	E081	E080		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	72.2	E149	E148	5649	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	67.6	E175	E174		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	71.2	E199	E198	561B	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	77.6	E403	E402		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	71.3	E409	E408	5655	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	70.9	E515	E514	565E	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	66.9	F723	F724	555B	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	66.3	G933	G932		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	63.6	G967	G966		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	70	G973	G972		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	66.9	G977	G976		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	67.5	G979	G978		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	66.7	H557	H556		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	69.5	H559	H558		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	53	H561	H560	8362	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	54.6	P001	P000	82A2	30-Aug-16	T	4	0
T	4	10	30-Aug-16	ELCO	70	C971	C970		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	79.4	C977	C976		30-Aug-16	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	10	30-Aug-16	ELCO	65.3	F067	F068		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	70.6	F077	F078		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	56.1	F113	F114		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	81.5	F115	F116	5417	30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	72.4	F119	F120		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	72.9	F123	F124		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	59.5	F145	F146		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	64.5	F207	F208		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	65.4	F661	F662		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	73.1	F977	F978		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	65.5	G875	G874		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	71.4	G879	G878		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	72	G887	G886		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	61.2	G893	G892		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	64.1	G917	G916		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	55.9	H563	H562		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	60.4	H565	H564		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	73.6	H567	H566		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	77	H569	H568		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	61.3	H571	H570	8389	30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	68.4	H573	H572		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	55.3	H575	H574		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	56.7	H577	H576		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	62.5	H579	H578		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	52.4	H581	H580	837E	30-Aug-16	T	4	10
T	4	20	30-Aug-16	ELCO	65.8	E069	E068	5612	30-Aug-16	T	4	20
T	4	20	30-Aug-16	ELCO	75.3	E533	E532		30-Aug-16	T	4	20
T	4	20	30-Aug-16	ELCO	63.7	F071	F072		30-Aug-16	T	4	20
T	4	20	30-Aug-16	ELCO	68.1	G867	G866		30-Aug-16	T	4	20
T	4	20	30-Aug-16	ELCO	81.1	G993	G992		30-Aug-16	T	4	20
T	4	20	30-Aug-16	ELCO	59	H583	H582		30-Aug-16	T	4	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	20	30-Aug-16	ELCO	68.1	H585	H584		30-Aug-16	T	4	20
T	4	30	30-Aug-16	ELCO	75.3	E393	E392		30-Aug-16	T	4	30
T	4	30	30-Aug-16	ELCO	68.1	F083	F084		30-Aug-16	T	4	30
T	4	30	30-Aug-16	ELCO	64.2	F179	F180		30-Aug-16	T	4	30
T	4	30	30-Aug-16	ELCO	68.3	F195	F196		30-Aug-16	T	4	30
T	4	30	30-Aug-16	ELCO	75.3	F969	F970		30-Aug-16	T	4	30
T	4	30	30-Aug-16	ELCO	72.4	G863	G862		30-Aug-16	T	4	30
T	4	30	30-Aug-16	ELCO	57.6	G865	G864		30-Aug-16	T	4	30
T	4	30	30-Aug-16	ELCO	66.3	H587	H586		30-Aug-16	T	4	30
T	4	30	30-Aug-16	ELCO	78.4	H589	H588		30-Aug-16	T	4	30
T	4	0	30-Aug-16	ELCO	78.3	E031	E030		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	72	E065	E064		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	82.3	E345	E344	5643	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	66.5	F155	F156		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	65	F693	F694	5568	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	59.7	F813	F814	556A	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	73.2	H591	H590	8396	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	65.2	H593	H592		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	66.5	H595	H594		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	55.8	H597	H596		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	69.3	H599	H598		30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	57.9	H601	H600	8390	30-Aug-16	T	4	0
T	4	0	30-Aug-16	ELCO	63.8	H603	H602		30-Aug-16	T	4	0
T	4	10	30-Aug-16	ELCO	82.9	E373	E372		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	65.6	F139	F140		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	65	F717	F718		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	78	F995	F996		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	57.1	H605	H604		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	53.7	H607	H606		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	64.6	H609	H608		30-Aug-16	T	4	10
T	4	10	30-Aug-16	ELCO	71.6	H611	H610	838E	30-Aug-16	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	10	30-Aug-16	ELCO	72.9	H613	H612		30-Aug-16	T	4	10
T	4	30	30-Aug-16	ELCO	71	H615	H614		30-Aug-16	T	4	30
T	4	30	30-Aug-16	ELCO	76.8	H617	H616		30-Aug-16	T	4	30
T	4	0	31-Aug-16	ELCO	75.6	E229	E228		31-Aug-16	T	4	0
T	4	0	31-Aug-16	ELCO	63	F121	F122		31-Aug-16	T	4	0
T	4	0	31-Aug-16	ELCO	60.7	F709	F710		31-Aug-16	T	4	0
T	4	10	31-Aug-16	ELCO	71.8	E369	E368		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	58.1	E395	E394		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	62.8	G861	G860	82D0	31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	89.5	H689	H688		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	77.4	H691	H690	838A	31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	75	H693	H692		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	67.2	H695	H694		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	69.5	H697	H696		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	60.4	P005	P004		31-Aug-16	T	4	10
T	4	20	31-Aug-16	ELCO	68.1	G837	G836		31-Aug-16	T	4	20
T	4	20	31-Aug-16	ELCO	68.5	G953	G952		31-Aug-16	T	4	20
T	4	20	31-Aug-16	ELCO	65.3	H699	H698		31-Aug-16	T	4	20
T	4	20	31-Aug-16	ELCO	75.1	H701	H700	839F	31-Aug-16	T	4	20
T	4	20	31-Aug-16	ELCO	69.9	H703	H702		31-Aug-16	T	4	20
T	4	30	31-Aug-16	ELCO	67.1	E217	E216		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	73.2	E397	E396		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	66.3	G827	G820		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	68.7	G829	G828		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	69.9	H705	H704		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	65.8	H707	H706		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	63.9	H709	H708		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	65.6	H711	H710	8359	31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	57.2	P053	P052		31-Aug-16	T	4	30
T	4	0	31-Aug-16	ELCO	53.2	E725	E724		31-Aug-16	T	4	0
T	4	0	31-Aug-16	ELCO	71.7	G959	G958		31-Aug-16	T	4	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	10	31-Aug-16	ELCO	67.1	E221	E220		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	73.3	E351	E350		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	75.9	E363	E362		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	62.3	F095	F096	5448	31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	62.9	H713	H712		31-Aug-16	T	4	10
T	4	10	31-Aug-16	ELCO	66.7	H715	H714		31-Aug-16	T	4	10
T	4	20	31-Aug-16	ELCO	63.5	H717	H716		31-Aug-16	T	4	20
T	4	20	31-Aug-16	ELCO	74.5	H719	H718		31-Aug-16	T	4	20
T	4	20	31-Aug-16	ELCO	71.2	H721	H720	8379	31-Aug-16	T	4	20
T	4	30	31-Aug-16	ELCO	73.3	H723	H722		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	75	H725	H724		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	61.1	H883	H882		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	62.3	H729	H728		31-Aug-16	T	4	30
T	4	30	31-Aug-16	ELCO	49.5	H731	H730	8371	31-Aug-16	T	4	30
T	5	0	31-Aug-16	ELCO	69.8	C509	C508		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	76.5	C877	C876	544A	31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	59.1	H619	H618		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	73.7	P007	P006		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	63.6	P009	P008		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	59.3	H653	H652		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	70.9	H655	H654		31-Aug-16	T	5	0
T	5	10	31-Aug-16	ELCO	62	C925	C924		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	79	E669	E668		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	69.5	E701	E700		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	71.2	E759	E758		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	54	H621	H620	8368	31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	63.6	H623	H622		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	71	H625	H624		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	56.9	H627	H626		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	69.4	H629	H628		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	90.7	F439	F440		31-Aug-16	T	5	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	5	20	31-Aug-16	ELCO	79.5	C513	C512		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	74	C517	C516	545E	31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	74.2	C931	C930		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	74.4	E575	E574	564C	31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	79	E733	E732	5640	31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	71	F403	F404	5587	31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	67.9	H631	H630	835B	31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	65.5	H633	H632		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	71.2	H635	H634		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	54	H637	H636		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	68.8	P037	P036		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	63.9	P039	P038		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	64.4	F413	F414		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	61	F443	F444	5563	31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	58.6	H657	H656		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	63.5	H659	H658		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	60.1	H661	H660	836B	31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	56.8	H663	H662		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	73	H665	H664		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	79.4	P047	P046		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	71.1	P075	P074		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	65.8	P083	P082	8291	31-Aug-16	T	5	20
T	5	30	31-Aug-16	ELCO	74.8	C525	C524		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	73.8	C529	C528		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	71.2	C551	C550		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	65.6	C697	C696	5457	31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	75	C727	C726		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	54.7	C769	C768	5439	31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	54.8	E281	E280	5626	31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	74.5	E787	E786		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	82.5	F423	F424	5596	31-Aug-16	T	5	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	5	30	31-Aug-16	ELCO	68.1	F425	F426		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	65.1	F455	F456		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	56.9	F459	F430		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	79.7	H639	H638		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	64.8	H641	H640	837C	31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	67.8	H643	H642		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	61.5	H645	H644		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	53.4	H647	H646		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	55.6	H649	H648		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	49.8	H651	H650	8386	31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	76.3	C503	C502		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	81.7	C541	C540		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	67.9	C757	C756	546C	31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	55.2	C953	C952	543D	31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	75.1	F339	F400		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	64.6	H667	H666		31-Aug-16	T	5	30
T	5	0	31-Aug-16	ELCO	73.1	C817	C816		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	65.5	C919	C918		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	70.4	F449	F450		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	57.1	H669	H668		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	73.4	H671	H670		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	62.7	H673	H672		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	61	H675	H674		31-Aug-16	T	5	0
T	5	0	31-Aug-16	ELCO	81	H677	H676		31-Aug-16	T	5	0
T	5	10	31-Aug-16	ELCO	62	F419	F420		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	67.4	P043	P042		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	74.5	C507	C506	5426	31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	57.5	H679	H678		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	50.5	H681	H680	B1C4	31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	68	H683	H682		31-Aug-16	T	5	10
T	5	10	31-Aug-16	ELCO	69.5	P051	P050	5500	31-Aug-16	T	5	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	5	20	31-Aug-16	ELCO	59.6	C521	C520		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	74.5	E663	E662		31-Aug-16	T	5	20
T	5	20	31-Aug-16	ELCO	68.4	H685	H684		31-Aug-16	T	5	20
T	5	30	31-Aug-16	ELCO	71.8	C511	C510		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	63.3	C545	C544		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	61.1	C799	C798	546B	31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	71.7	C913	C912		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO		E369	E370	5567	31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	68.5	P025	P024		31-Aug-16	T	5	30
T	5	30	31-Aug-16	ELCO	50.8	H687	H686		31-Aug-16	T	5	30
C	0	0	6-Sep-16	ELCO	62.1	H753	H752		6-Sep-16	C	0	0
C	0	0	6-Sep-16	ELCO	49.8	D517	D518	55C0	6-Sep-16	C	0	0
C	0	0	6-Sep-16	ELCO	69.3	H733	H732		6-Sep-16	C	0	0
C	0	10	6-Sep-16	ELCO	75.4	D665	D666		6-Sep-16	C	0	10
C	0	10	6-Sep-16	ELCO	69.8	D687	D688		6-Sep-16	C	0	10
C	0	10	6-Sep-16	ELCO	80	H735	H734		6-Sep-16	C	0	10
C	0	10	6-Sep-16	ELCO	79.1	H737	H736		6-Sep-16	C	0	10
C	0	10	6-Sep-16	ELCO	69.6	H739	H738		6-Sep-16	C	0	10
C	0	20	6-Sep-16	ELCO	68.9	D673	D674		6-Sep-16	C	0	20
C	0	20	6-Sep-16	ELCO	68.3	D721	D722	55CC	6-Sep-16	C	0	20
C	0	20	6-Sep-16	ELCO	68	H755	H754		6-Sep-16	C	0	20
C	0	20	6-Sep-16	ELCO	73.8	H757	H756		6-Sep-16	C	0	20
C	0	20	6-Sep-16	ELCO	74.7	H759	H758		6-Sep-16	C	0	20
C	0	20	6-Sep-16	ELCO	81.1	H741	H740	8375	6-Sep-16	C	0	20
C	0	30	6-Sep-16	ELCO	58.8	D685	D686		6-Sep-16	C	0	30
C	0	30	6-Sep-16	ELCO	77.2	G119	G118		6-Sep-16	C	0	30
C	0	30	6-Sep-16	ELCO	69.8	H743	H742		6-Sep-16	C	0	30
C	0	30	6-Sep-16	ELCO	71.6	H745	H744		6-Sep-16	C	0	30
C	0	30	6-Sep-16	ELCO	72.9	H747	H746		6-Sep-16	C	0	30
C	0	30	6-Sep-16	ELCO	49	H749	H748	0D05	6-Sep-16	C	0	30
C	0	30	6-Sep-16	ELCO	57	H751	H750	8397	6-Sep-16	C	0	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	0	0	6-Sep-16	ELCO	67.6	G037	G036		6-Sep-16	C	0	0
C	0	0	6-Sep-16	ELCO	56.6	H763	H762		6-Sep-16	C	0	0
C	0	0	6-Sep-16	ELCO	75.3	H765	H764		6-Sep-16	C	0	0
C	0	10	6-Sep-16	ELCO	72.2	H767	H766		6-Sep-16	C	0	10
C	0	10	6-Sep-16	ELCO	76.8	H769	H768		6-Sep-16	C	0	10
C	0	10	6-Sep-16	ELCO	66.5	H771	H770	8342	6-Sep-16	C	0	10
C	0	10	6-Sep-16	ELCO	44	P143	P142	8286	6-Sep-16	C	0	10
C	0	30	6-Sep-16	ELCO	63.5	H761	H760	8388	6-Sep-16	C	0	30
C	0	30	6-Sep-16	ELCO	61.3	H773	H772		6-Sep-16	C	0	30
C	0	30	6-Sep-16	ELCO	79.2	H775	H774		6-Sep-16	C	0	30
R	1	310	24-Aug-17	ELCO	73.6	D271	D270		24-Aug-17	R	1	310
R	1	310	24-Aug-17	ELCO	56.8	G533	G532		24-Aug-17	R	1	310
R	1	310	24-Aug-17	ELCO	58.7	F715	F716		24-Aug-17	R	1	310
R	1	270	24-Aug-17	ELCO	64.8	F027	F028		24-Aug-17	R	1	270
R	1		24-Aug-17	ELCO	60.4	E549	E548		24-Aug-17	R	1	
R	1		24-Aug-17	ELCO	67.8	E585	E584		24-Aug-17	R	1	
R	1	250	24-Aug-17	ELCO	73.3	E755	E754		24-Aug-17	R	1	250
R	1	260	24-Aug-17	ELCO	68.8	E329	E328		24-Aug-17	R	1	260
R	1	240	24-Aug-17	ELCO	63.8	E539	E538		24-Aug-17	R	1	240
R	1	280	24-Aug-17	ELCO	74.0	F515	F516		24-Aug-17	R	1	280
R	1	260	24-Aug-17	ELCO	61.8	E391	E390		24-Aug-17	R	1	260
R	1	320	24-Aug-17	ELCO	71.5	D177	D178		24-Aug-17	R	1	320
R	1	330	24-Aug-17	ELCO	68.8	F909	F910		24-Aug-17	R	1	330
R	1	310	24-Aug-17	ELCO	63.5	C721	C720		24-Aug-17	R	1	310
R	1	320	24-Aug-17	ELCO	65.3	C725	C724		24-Aug-17	R	1	320
R	1	330	24-Aug-17	ELCO	82.3	E073	E072		24-Aug-17	R	1	330
R	1	330	24-Aug-17	ELCO	72.2	D179	D180		24-Aug-17	R	1	330
R	1	310	24-Aug-17	ELCO	67.6	H503	H502		24-Aug-17	R	1	310
R	1	310	24-Aug-17	ELCO	69.1	H501	H500		24-Aug-17	R	1	310
R	1	330	24-Aug-17	ELCO	73.4	E907	E906		24-Aug-17	R	1	330
R	1	320	24-Aug-17	ELCO	60.0	E783	E782		24-Aug-17	R	1	320

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
R	1	310	24-Aug-17	ELCO	83.0	H499	H498		24-Aug-17	R	1	310
R	1	320	24-Aug-17	ELCO	61.2	E753	E752		24-Aug-17	R	1	320
R	1	300	24-Aug-17	ELCO	77.1	D213	D212		24-Aug-17	R	1	300
R	1	300	24-Aug-17	ELCO	64.1	G475	G474		24-Aug-17	R	1	300
R	1	350	24-Aug-17	ELCO	67.2	F973	F974		24-Aug-17	R	1	350
R	1	330	24-Aug-17	ELCO	24.0	H803	H802	8391	24-Aug-17	R	1	330
R	1	40	24-Aug-17	ELCO	32.1	H801	H800	8387	24-Aug-17	R	1	40
R	1	90	24-Aug-17	ELCO	69.8	E425	E424		24-Aug-17	R	1	90
R	1	140	24-Aug-17	ELCO	58.5	F613	F614		24-Aug-17	R	1	140
R	1	190	24-Aug-17	ELCO	75.5	F787	F788		24-Aug-17	R	1	190
R	1	210	24-Aug-17	ELCO	79.0	F477	F478		24-Aug-17	R	1	210
R	1	160	24-Aug-17	ELCO	67.1	E903	E902		24-Aug-17	R	1	160
T	1	0	28-Aug-17	ELCO	61.8	C311	C310		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	75.3	C627	C626	5453	28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	56.1	G727	G726		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	71.8	C597	C596	542C	28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	66.6	C637	C636	5431	28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	74.2	F951	F952		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	77.9	F375	F376		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	63.1	F645	F646		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	67.0	G559	G558		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	58.2	F303	F304	5434	28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	70.0	F579	F580		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	63.4	G565	G564		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	61.4	G489	G488		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	68.7	F937	F938		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	66.2	C591	C590		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	65.3	H077	H076		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	64.2	G623	G622		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	75.5	C653	C652		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	79.6	G599	G598		28-Aug-17	T	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	0	28-Aug-17	ELCO	71.2	F849	F850		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	63.1	H019	H018		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	56.6	G503	G502		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	51.1	H021	H020	54B2	28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	53.8	F895	F896	560A	28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	62.0	H073	H072		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	76.0	C673	C672		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	55.6	C635	C634		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	63.5	G709	G708		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	65.6	C645	C644		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	73.1	C343	C342		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	74.5	G479	G478		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	57.5	C341	C340		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	76.8	F841	F842		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	69.2	H871	H870		28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	69.6	H869	H868	551F	28-Aug-17	T	1	0
T	1	0	28-Aug-17	ELCO	75.0	H867	H866		28-Aug-17	T	1	0
T	1	10	28-Aug-17	ELCO	72.3	F361	F362		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	76.4	H097	H096		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	60.4	G567	G566		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	78.5	C283	C282	5558	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	68.7	E805	E804		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	70.3	C292	C294	5540	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.1	H011	H010		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	61.4	H107	H106		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	67.2	C339	C338		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	74.9	E695	E694	5656	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	66.3	H099	H098		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	59.4	F277	F278		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.7	C313	C312		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.3	C353	C352		28-Aug-17	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	28-Aug-17	ELCO	66.0	G651	G650	82B5	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	69.3	F584	F586		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	60.9	F271	F272		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	58.5	F927	F928		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	64.4	F739	F740		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	59.7	G611	G610	552F	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	72.3	H065	H064		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	62.4	F859	F860		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	72.4	F629	F630		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	68.9	C647	C646	5445	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	66.9	F227	F228		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	59.5	G607	G606		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	63.0	F825	F826		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	69.1	C649	C648		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	70.5	F917	F918		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	58.4	F259	F260		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	46.6	H023	H022	5484	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	49.1	H087	H086		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	60.2	H109	H108		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	72.1	F873	F874	5569	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	80.4	G621	G620	54E3	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.5	C327	C326		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	68.8	C567	C566	543C	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	82.5	C607	C606	5438	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	67.2	C291	C290	553C	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	61.7	C309	C308		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.1	G593	G592		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	59.0	C663	C662		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	62.9	F365	F366		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	67.9	C393	C392		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	73.6	G653	G652		28-Aug-17	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	28-Aug-17	ELCO	76.7	E003	E002		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	80.1	C323	C322		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	56.5	G731	G730	82D6	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	66.0	C657	C656	5421	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	67.8	F331	F332		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	69.7	C335	C334		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	55.2	G645	G644	5520	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.6	H091	H090		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	68.8	H071	H070	54A3	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	70.2	C587	C586		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	73.9	F939	F940		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	62.7	F229	F230		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	50.0	H105	H104	5494	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	74.0	F671	F672		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	59.0	H093	H092		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	74.6	F929	F930		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	59.9	G591	G590		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	72.4	C317	C316		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	66.9	G495	G494		28-Aug-17	T	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	1	10	28-Aug-17	ELCO	66.9	F829	F830		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.8	H081	H080	54B8	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	57.3	G617	G616		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	70.0	C287	C286		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.1	G631	G630	54F8	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.1	G713	G712		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.9	C561	C560		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	57.2	F851	F852	5601	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	52.4	F905	F906	558F	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	65.6	C617	C616	5419	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	64.9	F321	F320		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	72.1	H095	H094		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	68.6	F781	F782		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	51.3	H067	H066	548B	28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	61.7	G579	G578		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	59.5	C305	C304		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	70.5	C307	C306		28-Aug-17	T	1	10
T	1	10	28-Aug-17	ELCO	61.5	C383	C382		28-Aug-17	T	1	10
T	1	20	28-Aug-17	ELCO	66.3	H083	H082		28-Aug-17	T	1	20
T	1	20	28-Aug-17	ELCO	64.0	G747	G746		28-Aug-17	T	1	20
T	1	20	28-Aug-17	ELCO	51.0	F749	F750	5564	28-Aug-17	T	1	20
T	1	20	28-Aug-17	ELCO	57.9	H063	H062		28-Aug-17	T	1	20
T	1	20	28-Aug-17	ELCO	74.0	G641	G640	82D2	28-Aug-17	T	1	20
T	1	20	28-Aug-17	ELCO	71.4	H037	H036		28-Aug-17	T	1	20
T	1	20	28-Aug-17	ELCO	75.3	C361	C360		28-Aug-17	T	1	20
T	2	10	28-Aug-17	ELCO	71.1	E333	E332		28-Aug-17	T	2	10
T	2	10	28-Aug-17	ELCO	71.5	H141	H140	548F	28-Aug-17	T	2	10
T	2	10	28-Aug-17	ELCO	73.2	F535	F536		28-Aug-17	T	2	10
T	2	10	28-Aug-17	ELCO	69.5	C679	C678		28-Aug-17	T	2	10
T	2	10	28-Aug-17	ELCO	70.9	F475	F476		28-Aug-17	T	2	10
T	2	10	28-Aug-17	ELCO	63.6	F633	F634		28-Aug-17	T	2	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	2	10	28-Aug-17	ELCO	63.0	H171	H170	54CA	28-Aug-17	T	2	10
T	2	10	28-Aug-17	ELCO	48.5	F741	F742	5551	28-Aug-17	T	2	10
T	2	10	28-Aug-17	ELCO	73.0	D207	D206		28-Aug-17	T	2	10
T	2	10	28-Aug-17	ELCO	73.3	F769	F770		28-Aug-17	T	2	10
T	2	10	28-Aug-17	ELCO	80.1	H147	H146		28-Aug-17	T	2	10
T	2	0	28-Aug-17	ELCO	59.4	H161	H160	54C3	28-Aug-17	T	2	0
T	2	0	28-Aug-17	ELCO	62.3	H175	H174		28-Aug-17	T	2	0
T	2	30	28-Aug-17	ELCO	60.0	E679	E678		28-Aug-17	T	2	30
T	2	30	28-Aug-17	ELCO	75.3	C869	C868		28-Aug-17	T	2	30
T	2	30	28-Aug-17	ELCO	60.9	H877	H876		28-Aug-17	T	2	30
T	2	20	28-Aug-17	ELCO	57.9	H133	H132	5474	28-Aug-17	T	2	20
T	2	20	28-Aug-17	ELCO	68.7	E279	E278		28-Aug-17	T	2	20
T	2	20	28-Aug-17	ELCO	58.5	H167	H166		28-Aug-17	T	2	20
T	2	20	28-Aug-17	ELCO	64.5	C475	C474	5545	28-Aug-17	T	2	20
T	2	20	28-Aug-17	ELCO	69.3	E171	E170		28-Aug-17	T	2	20
T	2	20	28-Aug-17	ELCO	60.8	G759	G758		28-Aug-17	T	2	20
T	2	20	28-Aug-17	ELCO	61.8	C469	C468		28-Aug-17	T	2	20
T	3	0	30-Aug-17	ELCO	71.3	G813	G812		30-Aug-17	T	3	0
T	3	0	30-Aug-17	ELCO	72.3	E125	E124		30-Aug-17	T	3	0
T	3	10	30-Aug-17	ELCO	72.8	C731	C730		30-Aug-17	T	3	10
T	3	10	30-Aug-17	ELCO	75.8	E089	E088	5647	30-Aug-17	T	3	10
T	3	10	30-Aug-17	ELCO	60.8	H509	H508		30-Aug-17	T	3	10
T	3	10	30-Aug-17	ELCO	71.6	E367	E366		30-Aug-17	T	3	10
T	3	10	30-Aug-17	ELCO	59.3	G785	G784		30-Aug-17	T	3	10
T	3	10	30-Aug-17	ELCO	79.9	E091	E090		30-Aug-17	T	3	10
T	3	10	30-Aug-17	ELCO	51.0	H533	H532	8388	30-Aug-17	T	3	10
T	3	20	30-Aug-17	ELCO	70.9	C695	C694		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	61.4	E429	E428	5633	30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	64.5	G807	G806		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	73.5	E855	E854		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	62.7	H519	H518		30-Aug-17	T	3	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	3	20	30-Aug-17	ELCO	75.5	G783	G782		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	78.2	G651	G652		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	72.3	H555	H554		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	67.9	E193	E192		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	62.8	H521	H520	B1C6	30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	49.7	H535	H534	B1C7	30-Aug-17	T	3	20
T	3	30	30-Aug-17	ELCO	65.6	G773	G772		30-Aug-17	T	3	30
T	3	30	30-Aug-17	ELCO	64.2	E133	E132		30-Aug-17	T	3	30
T	3	30	30-Aug-17	ELCO	73.3	G777	G776		30-Aug-17	T	3	30
T	3	30	30-Aug-17	ELCO	74.3	H545	H544		30-Aug-17	T	3	30
T	3	0	30-Aug-17	ELCO	75.2	E127	E126		30-Aug-17	T	3	0
T	3	0	30-Aug-17	ELCO	80.0	E117	E116		30-Aug-17	T	3	0
T	3	0	30-Aug-17	ELCO	74.7	H549	H548		30-Aug-17	T	3	0
T	3	0	30-Aug-17	ELCO	70.0	E077	E076		30-Aug-17	T	3	0
T	3	10	30-Aug-17	ELCO	76.3	E105	E104		30-Aug-17	T	3	10
T	3	10	30-Aug-17	ELCO	74.8	F573	F574	5584	30-Aug-17	T	3	10
T	3	10	30-Aug-17	ELCO	70.4	H553	H552		30-Aug-17	T	3	10
T	3	20	30-Aug-17	ELCO	63.4	C693	C692		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	53.7	E203	E202	5661	30-Aug-17	T	3	20
T	3	0	30-Aug-17	ELCO	72.1	G815	G814		30-Aug-17	T	3	0
T	3	0	30-Aug-17	ELCO	66.3	C739	C738		30-Aug-17	T	3	0
T	3	0	30-Aug-17	ELCO	53.0	H531	H530	838D	30-Aug-17	T	3	0
T	3	0	30-Aug-17	ELCO	40.2	H529	H528	8384	30-Aug-17	T	3	0
T	3	10	30-Aug-17	ELCO	65.8	H511	H510	839D	30-Aug-17	T	3	10
T	3	10	30-Aug-17	ELCO	76.1	H515	H514		30-Aug-17	T	3	10
T	3	20	30-Aug-17	ELCO	75.3	C749	C748		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	65.2	H537	H536		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	71.5	F025	F026		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	66.0	G787	G786		30-Aug-17	T	3	20
T	3	20	30-Aug-17	ELCO	59.8	C947	C946		30-Aug-17	T	3	20
T	3	30	30-Aug-17	ELCO	70.2	E555	E554	5616	30-Aug-17	T	3	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	3	30	30-Aug-17	ELCO	63.7	F627	F628		30-Aug-17	T	3	30
T	3	0	30-Aug-17	ELCO	58.1	F743	F744	554A	30-Aug-17	T	3	0
T	3	10	30-Aug-17	ELCO	79.1	F801	F802		30-Aug-17	T	3	10
T	3	30	30-Aug-17	ELCO	63.2	H551	H550	8377	30-Aug-17	T	3	30
T	4	0	30-Aug-17	ELCO	63.3	E287	E286		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	72.1	C973	C972		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	69.6	F593	F594	556B	30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	67.0	E187	E186		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	65.6	F693	F694	5568	30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	67.0	F795	F796		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	67.9	G983	G982		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	72.0	D305	D304		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	69.4	E433	E432		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	65.5	F551	F552		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	69.6	F163	F164	546F	30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	64.8	F665	F666		30-Aug-17	T	4	0
T	4	10	30-Aug-17	ELCO	56.4	G857	G856		30-Aug-17	T	4	10
T	4	20	30-Aug-17	ELCO	71.4	F687	F688		30-Aug-17	T	4	20
T	4	20	30-Aug-17	ELCO	70.2	H703	H702		30-Aug-17	T	4	20
T	4	20	30-Aug-17	ELCO	77.8	H691	H690	838A	30-Aug-17	T	4	20
T	4	20	30-Aug-17	ELCO	75.8	H701	H700	839F	30-Aug-17	T	4	20
T	4	20	30-Aug-17	ELCO	69.2	G837	G836		30-Aug-17	T	4	20
T	4	30	30-Aug-17	ELCO	74.3	E207	E206		30-Aug-17	T	4	30
T	4	30	30-Aug-17	ELCO	73.3	H723	H722		30-Aug-17	T	4	30
T	4	30	30-Aug-17	ELCO	66.3	H713	H712		30-Aug-17	T	4	30
T	4	30	30-Aug-17	ELCO	74.8	P059	P058		30-Aug-17	T	4	30
T	4	30	30-Aug-17	ELCO	66.3	H711	H710	8359	30-Aug-17	T	4	30
T	4	10	30-Aug-17	ELCO	45.6	D997	D998	839A	30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	81.8	F115	F116	5417	30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	73.3	H567	H566		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	66.4	F139	F140		30-Aug-17	T	4	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	0	30-Aug-17	ELCO	73.3	H879	H878	5621	30-Aug-17	T	4	0
T	4	10	30-Aug-17	ELCO	67.9	E313	E312		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	68.2	H573	H572		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	70.6	F077	F078		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	84.8	F993	F994	562F	30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	72.5	G911	G910		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	80.5	F159	F160		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	66.0	F717	F718		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	78.4	C977	C976		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	66.5	F067	F068		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	100.0	E513	E512		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	72.5	E307	E306		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	66.0	F661	F662		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	76.8	H569	H568		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	62.3	H571	H570	8389	30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	63.8	H609	H608		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	72.7	F119	F120		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	62.7	F183	F184	542E	30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	59.6	H881	H880		30-Aug-17	T	4	10
T	4	30	30-Aug-17	ELCO	74.4	E553	E552		30-Aug-17	T	4	30
T	4	30	30-Aug-17	ELCO	70.1	F195	F196		30-Aug-17	T	4	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	4	10	30-Aug-17	ELCO	73.3	G887	G886		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	78.2	F995	F996		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	63.6	F819	F820		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	57.0	H575	H574		30-Aug-17	T	4	10
T	4	30	30-Aug-17	ELCO	66.9	H587	H586		30-Aug-17	T	4	30
T	4	20	30-Aug-17	ELCO	69.2	G867	G866		30-Aug-17	T	4	20
T	4	0	30-Aug-17	ELCO	68.6	E197	E196		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	65.9	F649	F648		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	61.5	G971	G970	82A3	30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	67.0	H557	H556		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	82.8	E085	E084		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	87.4	E005	E004		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	53.1	H561	H560	8362	30-Aug-17	T	4	0
T	4	30	30-Aug-17	ELCO	76.2	F969	F970		30-Aug-17	T	4	30
T	4	30	30-Aug-17	ELCO	72.9	G863	G862		30-Aug-17	T	4	30
T	4	30	30-Aug-17	ELCO	67.7	F079	F080		30-Aug-17	T	4	30
T	4	30	30-Aug-17	ELCO	61.6	E595	E594		30-Aug-17	T	4	30
T	4	30	30-Aug-17	ELCO	58.4	G865	G864		30-Aug-17	T	4	30
T	4	20	30-Aug-17	ELCO	75.6	E349	E348		30-Aug-17	T	4	20
T	4	10	30-Aug-17	ELCO	72.6	F087	F088		30-Aug-17	T	4	10
T	4	0	30-Aug-17	ELCO	66.6	H885	H884		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	71.1	E515	E514	565E	30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	72.3	E065	E064		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	71.3	E121	E120		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	67.9	G941	G940	8289	30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	69.1	H599	H598		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	84.1	F785	F786		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	58.6	H601	H600	8390	30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	75.7	G923	G924		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	71.6	C991	C990		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	64.2	H603	H602		30-Aug-17	T	4	0
Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section

T	4	0	30-Aug-17	ELCO	78.0	E123	E122		30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	53.2	G961	G960	82CB	30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	57.1	P001	P000	82A2	30-Aug-17	T	4	0
T	4	0	30-Aug-17	ELCO	60.0	F709	F710		30-Aug-17	T	4	0
T	4	10	30-Aug-17	ELCO	71.1	E311	E310		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	61.4	H883	H882		30-Aug-17	T	4	10
T	4	10	30-Aug-17	ELCO	66.8	H887	H886		30-Aug-17	T	4	10
T	4	20	30-Aug-17	ELCO	69.4	H697	H696		30-Aug-17	T	4	20
T	4	20	30-Aug-17	ELCO	71.3	H721	H720	8379	30-Aug-17	T	4	20
T	4	30	30-Aug-17	ELCO	69.0	H705	H704		30-Aug-17	T	4	30
T	5	20	12-Sep-17	ELCO	61.6	P085	P084		12-Sep-17	T	5	20
T	5	20	12-Sep-17	ELCO	63.1	C767	C766	5437	12-Sep-17	T	5	20
T	5	20	12-Sep-17	ELCO	58.7	C493	C492		12-Sep-17	T	5	20
T	5	20	12-Sep-17	ELCO	74.4	P045	P044		12-Sep-17	T	5	20
T	5	30	12-Sep-17	ELCO	68.5	F333	F334	5571	12-Sep-17	T	5	30
T	5	30	12-Sep-17	ELCO	68.5	C757	C756	546C	12-Sep-17	T	5	30
T	5	30	12-Sep-17	ELCO	76.0	E787	E786		12-Sep-17	T	5	30
T	5	0	12-Sep-17	ELCO	77.2	E612	E602		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	66.4	P055	P054		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	74.4	H671	H670	8361	12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	73.0	C511	C510		12-Sep-17	T	5	0
T	5	30	12-Sep-17	ELCO	83.0	C541	C540		12-Sep-17	T	5	30
T	5	30	12-Sep-17	ELCO	78.2	C503	C502		12-Sep-17	T	5	30
T	5	20	12-Sep-17	ELCO	56.9	H627	H626		12-Sep-17	T	5	20
T	5	0	12-Sep-17	ELCO	62.5	P061	P060	82A7	12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	63.5	H673	H672		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	79.8	C481	C480		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	69.8	C509	C508		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	62.2	C959	C958		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	54.9	H637	H636		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	57.7	C905	C904		12-Sep-17	T	5	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
T	5	0	12-Sep-17	ELCO	79.8	C513	C512		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	74.7	C931	C930		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	64.7	C807	C806	5455	12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	72.2	F403	F404	5587	12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	70.0	P037	P036		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	68.4	H631	H630	835B	12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	71.9	H635	H634		12-Sep-17	T	5	0
T	5	0	12-Sep-17	ELCO	64.4	C799	C798	546B	12-Sep-17	T	5	0
T	5	10	12-Sep-17	ELCO	75.6	C507	C506	5426	12-Sep-17	T	5	10
T	5	10	12-Sep-17	ELCO	71.7	E759	E758		12-Sep-17	T	5	10
T	5	10	12-Sep-17	ELCO	56.0	H621	H620	8368	12-Sep-17	T	5	10
T	5	10	12-Sep-17	ELCO	63.4	C925	C924		12-Sep-17	T	5	10
T	5	10	12-Sep-17	ELCO	63.9	H623	H622		12-Sep-17	T	5	10
T	5	10	12-Sep-17	ELCO	61.3	H619	H618		12-Sep-17	T	5	10
T	5	20	12-Sep-17	ELCO	72.8	P075	P074		12-Sep-17	T	5	20
T	5	20	12-Sep-17	ELCO	66.4	P083	P082	8291	12-Sep-17	T	5	20
T	5	20	12-Sep-17	ELCO	80.1	P047	P046		12-Sep-17	T	5	20
C	0	10	12-Sep-17			G061	G060		12-Sep-17	C	0	10
C	0	0	12-Sep-17			H733	H732		12-Sep-17	C	0	0
C	0	10	12-Sep-17			H769	H768		12-Sep-17	C	0	10
C	0	20	12-Sep-17			H775	H774		12-Sep-17	C	0	20
C	0	20	12-Sep-17			D673	D674		12-Sep-17	C	0	20
C	0	20	12-Sep-17			G055	G054		12-Sep-17	C	0	20
C	0	30	12-Sep-17			D697	D698		12-Sep-17	C	0	30
C	0	10	12-Sep-17			D665	D666		12-Sep-17	C	0	10
C	0	10	12-Sep-17			G009	G008		12-Sep-17	C	0	10
C	0	20	12-Sep-17			H761	H760	8363	12-Sep-17	C	0	20
C	1	0	31-Aug-17	ELCO	68.0	D865	D866	55B5	31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	69.5	H259	H258		31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	51.5	H263	H262	82D1	31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	57.2	D533	D534	55F8	31-Aug-17	C	1	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	0	31-Aug-17	ELCO	48.6	H271	H270	827A	31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	79.0	H261	H260		31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	68.0	D899	D900		31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	61.0	D495	D496		31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	54.9	H253	H252		31-Aug-17	C	1	0
C	1	10	31-Aug-17	ELCO	74.8	H291	H290		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	60.1	H301	H300		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	83.8	D613	D614		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	72.8	D627	D628		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	70.3	D525	D526		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	78.7	D863	D864		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	74.0	D481	D482		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	64.1	D529	D530		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	72.5	D383	D384		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	62.0	D549	D550	5502	31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	57.9	G125	G124		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	77.7	D657	D658		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	79.1	G271	G270		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	56.0	G273	G272		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	61.0	H349	H348		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	67.8	D369	D370		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	72.1	D571	D572		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	60.4	H341	H340		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	71.4	H283	H282		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	70.2	G267	G266		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	54.3	G277	G276	5525	31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	77.7	H295	H294	548C	31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	49.8	H345	H344	54BF	31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	60.4	G087	G086	54FC	31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	71.6	D425	D426		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	57.2	G257	G256		31-Aug-17	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	31-Aug-17	ELCO	62.8	D573	D574		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	60.5	D583	D584		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	73.7	G287	G286		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	56.0	H347	H346		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	44.0	D487	D486	55B4	31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	52.3	D981	D982	5487	31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	71.2	D653	D654		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	57.4	H353	H354		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	70.5	D577	D578		31-Aug-17	C	1	10
C	1	20	31-Aug-17	ELCO	68.7	D463	D464		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	64.2	D473	D474		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	71.4	D893	D894		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	73.0	D897	D898		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	67.2	G205	G204	5536	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	54.0	H225	H224		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	67.7	H221	H220		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	73.6	H223	H222	827C	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	68.0	G181	G180		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	71.6	G201	G200		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	62.0	G199	G198		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	60.3	D413	D414		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	73.8	G141	G140		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	62.7	G153	G152		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	52.3	H327	H326		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	56.8	H217	H216		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	63.0	H335	H334		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	61.8	D901	D902		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	75.0	D421	D422		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	63.5	D971	D972		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	75.5	D423	D424		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	76.1	D439	D440		31-Aug-17	C	1	20

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	20	31-Aug-17	ELCO	62.1	D547	D548	55AC	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	74.5	D417	D418	55BE	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	72.3	D437	D438		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	55.7	D537	D538	55B7	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	78.5	H243	H242	827D	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	55.9	D539	D540	55D9	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	58.2	G159	G158	5524	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	63.8	D377	D378	55EB	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	53.2	D535	D536	55D5	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	82.5	D877	D878		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	76.2	D499	D500		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	74.9	D869	D870		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	62.5	G143	G142		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	71.8	D409	D410		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	63.0	D355	D356		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	59.0	D501	D502		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	68.0	H333	H332		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	65.3	H321	H320		31-Aug-17	C	1	20
C	1	30	31-Aug-17	ELCO	75.6	G245	G244		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	77.5	G169	G168		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	78.5	D891	D892		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	84.4	H209	H208		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	74.2	D979	D980		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	78.1	D555	D556		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	74.8	D661	D662		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	58.3	D453	D454		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	54.2	H319	H318	547E	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	79.8	G231	G230		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	76.2	G167	G166		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	69.7	G243	G242		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	74.8	G219	G218		31-Aug-17	C	1	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	30	31-Aug-17	ELCO	86.0	D431	D432		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	76.5	G251	G250		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	80.4	D871	D872		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	74.2	G249	G248		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	76.9	D927	D928		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	64.1	G241	G240		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	57.8	H321	H320		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	59.5	H317	H316		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	81.0	G217	G216		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	68.3	D933	D934		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	56.2	D983	D984	54B0	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	53.5	H359	H358	547F	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	80.4	G255	G254	54E8	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	61.2	H889	H888	834C	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	69.4	H891	H890	8382	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	77.5	D645	D646		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	76.8	D607	D608		31-Aug-17	C	1	30
C	1	0	31-Aug-17	ELCO	73.5	G069	G068		31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	60.0	H313	H312		31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	74.0	H193	H194		31-Aug-17	C	1	0
C	1	10	31-Aug-17	ELCO	63.6	H187	H188		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	71.4	D603	D604		31-Aug-17	C	1	10
C	1	20	31-Aug-17	ELCO	76.8	G081	G080		31-Aug-17	C	1	20
C	1	0	31-Aug-17	ELCO	51.0	H255	H254	5491	31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	51.8	H267	H266	82CF	31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	66.0	D459	D460		31-Aug-17	C	1	0
C	1	0	31-Aug-17	ELCO	86.4	D387	D388		31-Aug-17	C	1	0
C	1	10	31-Aug-17	ELCO	48.3	H279	H278	54C1	31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	46.5	H281	H280	54C0	31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	59.0	D485	D486		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	82.0	G187	G186		31-Aug-17	C	1	10

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	10	31-Aug-17	ELCO	77.6	G103	G102		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	59.3	G109	G108		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	60.1	G133	G132		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	55.0	D581	D582		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	55.2	D455	D456		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	65.4	H351	H350		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	59.4	H353	H352		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	57.0	H277	H276		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	62.1	H275	H274		31-Aug-17	C	1	10
C	1	10	31-Aug-17	ELCO	69.5	H289	H288		31-Aug-17	C	1	10
C	1	20	31-Aug-17	ELCO	46.9	H247	H246	8282	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	52.4	H325	H324	549B	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	74.5	G195	G194	5528	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	74.5	G209	G208		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	70.3	D921	D922		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	87.2	H337	H336		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	57.8	D915	D916	55A3	31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	56.2	H227	H226		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	65.0	H215	H214		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	51.9	D531	D532		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	65.0	H233	H232		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	69.3	H237	H236		31-Aug-17	C	1	20
C	1	20	31-Aug-17	ELCO	64.2	G145	G144		31-Aug-17	C	1	20
C	1	30	31-Aug-17	ELCO	55.2	D965	D966	5485	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	65.0	D955	D956	549D	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	55.4	G163	G162	5506	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	67.0	D887	D888		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	63.9	H205	H204	54CB	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	72.0	G173	G172		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	59.8	D919	D920		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	79.8	H211	H210		31-Aug-17	C	1	30

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	1	30	31-Aug-17	ELCO	79.2	D861	D862		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	61.7	D519	D520		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	60.0	D497	D498	55DC	31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	82.2	G079	G078		31-Aug-17	C	1	30
C	1	30	31-Aug-17	ELCO	68.0	D467	D468		31-Aug-17	C	1	30
C	1	20	31-Aug-17	ELCO	66.8	H183	H184		31-Aug-17	C	1	20
C	3	20	25-Aug-17	ELCO	72.3	H805	H804		25-Aug-17	C	3	20
C	3	20	25-Aug-17	ELCO	68.9	H807	H806		25-Aug-17	C	3	20
C	3	10	25-Aug-17	ELCO	53.2	H493	H492		25-Aug-17	C	3	10
C	3	10	25-Aug-17	ELCO	56.2	H809	H808		25-Aug-17	C	3	10
C	3	0	25-Aug-17	ELCO	75.2	H491	H490	839C	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	63.4	H489	H488		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	64.9	H811	H810		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	84.8	G331	G330		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	73.5	G399	G398		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	74.4	G337	G336		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	61.2	H383	H382	82C7	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	73.0	H381	H380	8283	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	76.6	G405	G404		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	73.9	D755	D756		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	88.8	G469	G468		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	85.6	H443	H442		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	70.8	H479	H478		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	82.0	G443	G444	54FD	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	72.4	D849	D850	55A0	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	73.7	D783	D784	55CE	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	57.3	G407	G406	5512	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	49.7	H475	H474	8383	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	63.6	D833	D834	55A7	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	64.7	H441	H440	82D4	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	74.9	H459	H458		25-Aug-17	C	3	0

Collection Site	Collection Site Number	Collection Site Number	Collection date	Species	Length	Tag odd	Tag even	PIT tag	Relocation Date	Relocation Site	Relocation Site Number	Relocation Section
C	3	0	25-Aug-17	ELCO	75.2	H457	H456		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	73.9	H449	H448		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	79.4	H373	H372		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	74.0	D749	D750		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	71.2	H379	H380		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	58.6	D841	D842		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	71.5	G385	G384		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	67.1	G413	G412		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	59.0	H483	H482		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	78.6	D847	D848		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	75.0	D825	D826		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	80.6	D813	D814		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	80.8	H445	H444		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	87.0	H813	H812		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	80.4	H815	H814		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	52.0	H817	H816	8394	25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	79.0	H819	H818		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	68.0	H821	H820		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	53.7	H823	H822		25-Aug-17	C	3	0
C	3	0	25-Aug-17	ELCO	53.0	H825	H824		25-Aug-17	C	3	0
C	3	10	25-Aug-17	ELCO	49.3	H827	H826	838C	25-Aug-17	C	3	10
C	3	10	25-Aug-17	ELCO	48.8	H829	H828	839E	25-Aug-17	C	3	10
C	3	10	25-Aug-17	ELCO	53.6	H401	H400	8287	25-Aug-17	C	3	10

Appendix V. Study area and specimen photographs

Creeper (*Strophitus undulatus*) collected from direct impact area

Eastern Elliptio (*Elliptio complanata*) in flow-thru container awaiting relocation

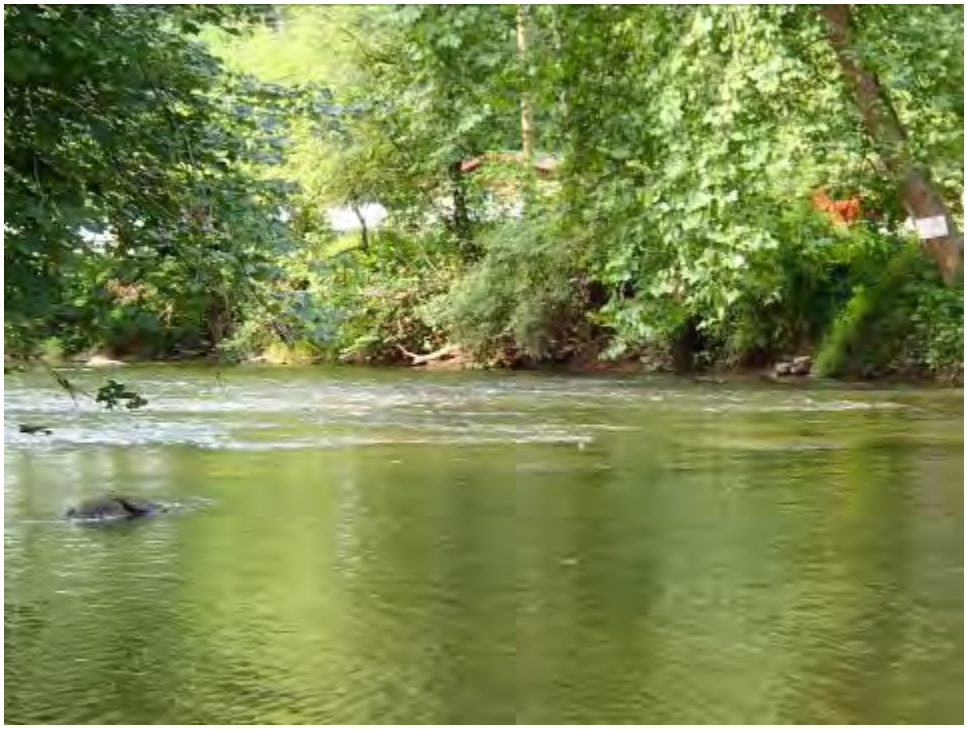
Mussel demographic data collection and processing

Mussel tagging

Eastern Elliptio in substrate

Eastern Elliptios in substrate

Mussel removal site looking upstream at confluence of Gladden Branch



Mussel removal site looking downstream at confluence of Gladden Branch

Mussel removal site looking upstream 75 m upstream of Gladden Branch confluence

Mussel removal site looking downstream, 75 m upstream of Gladden Branch confluence

Beginning of removal site looking upstream along the left ascending bank

Removal site looking upstream along the left ascending bank at start of imbricated wall

Juvenile Eastern Elliptio collected at C1 against a 12 mm PIT tag scale

Creeper (G000, G001) collected in removal site

Attachment I: Modeling the survival and growth of relocated Eastern Elliptio

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Introduction

Freshwater mussels are the most imperiled faunal group in North America (Williams et al. 1993). The decline in many mussel populations has been attributed to the degradation or loss of their habitat (Watters 1999, Strayer et al. 2004, Downing et al. 2010). One example of mussel habitat degradation is instream work that is required during transportation projects, such as the construction or repair of bridges and stream bank slopes. This work can cause direct mortality through the fill or excavation of substrate or dewatering and indirect mortality through siltation or altered flow (Dunn 1993, Trdan and Hoeh 1993).

Relocation of freshwater mussels within rivers and streams has been used as a conservation tool for several decades (Cope and Waller 1995, Dunn et al. 2000). The primary goal of mussel relocation is to remove populations from the immediate impacts of construction projects. An effective mussel relocation plan should provide a high probability of long-term survival and do so with minimal impact on other species (Villella et al. 1998). The efficacy of early relocation projects was often unclear because few projects were monitored or an insufficient number of mussels were recaptured to determine their fate (Cope and Waller 1995, Havlik 1997, Cope et al. 2003). Research (e.g., Waller et al. 1995, Hamilton et al. 1997, Bolden and Brown 2002) and guidelines (e.g., Dunn et al. 2000, Mackie et al. 2008) into mussel relocation has seemingly improved the technique. However, the viability of mussel relocation as a conservation tool has not been rigorously assessed and reported (but see Tiemann et al. 2016).

Assessing the population dynamics of freshwater mussels is a critical component for their management. Determining vital rates in mussel populations can be challenging because they vary by environmental factors (e.g., flow and substrate) and individual traits (e.g., species and age). Past mark-recapture studies have shown that mussel populations in streams relatively undisturbed by anthropogenic impacts typically exhibit high survival (> 90%), variable capture probability (< 20 to 70%), low recruitment (< 5%), and static population growth (≈ 1) (Villella et al. 2004, Meador et al. 2011, Wisniewski et al 2013). Survival and growth rates in populations disturbed by invasive species or unknown factors are lower (Hart et al. 2001, Matter et al. 2013). Therefore, the secondary aim of a mussel relocation should be to establish a population that can sustain itself (i.e., exhibit demographics of a stable population). Monitoring conservation actions, such as relocation, with mark-recapture methods permits the direct estimation of population demographic rates and a measure of the action's success (Pradel and Henry 2007).

Our main objective was to estimate apparent survival and population growth rates for Eastern Elliptio over four years to determine if relocating a large number of mussels was a viable conservation tool for minimizing the effects of instream construction projects. Since information on most past relocations comes from streams much larger and with more habitat than our project area, we were also concerned about the potential impacts to mussels from increasing local population density. Therefore, we assessed the survival and population growth of relocated mussels, those already present at translocation sites, and those at sites where no mussels were relocated as a comparison.

Methods

Mussel relocation

We used timed, visual searches to survey for mussels at the substrate surface (Ashton et al. 2017). Two hundred ten mussels were collected, measured, and uniquely marked with a vinyl shellfish tag on each valve at five, 40-m-long translocation sites in June and July of 2014 prior to mussels being relocated into them from the removal area (Figure 1). An additional 317 mussels were collected, measured, and tagged in the same manor at three, 40-m-long control sites in August 2014, where no mussels were relocated to examine the potential impacts of relocated mussels on mussels that occupy habitat at the translocation site. After pre-removal surveys were complete, 1,249 mussels were collected from a survey of the 370-m-long removal site in July and August 2014. These mussels were measured, tagged, and relocated upstream of the impact area on the day of, or within 24 hours of their collection. Of the 1,249 mussels, 875 were relocated into translocation sites (Figure 1). We limited the number of mussels that were added to each site to three times its pre-removal survey population estimate in an attempt to diminish the potential that the increased population size might exceed resource availability (Cope et al. 2003). We allocated relocated mussels within eight equally sized sections (≈ 10-m-long x one half the wetted width) at translocation sites in proportion to the abundance observed in them during pre-removal surveys to reduce the potential effects of mussels being placed into less suitable habitat (Hamilton et al. 1997). We recorded the tag numbers for each mussel we relocated into each site to distinguish them from mussels already present. The remaining mussels from the removal area were relocated into habitat between translocation sites.

Mark-recapture sampling

Mark-recapture sampling requires repeated surveys of a population that allows for the identification of individual animals previously marked. Each animal is marked when captured for the first time, released back into their habitat, and has a probability of being recaptured during subsequent surveys. Counts of marked and unmarked animals are recorded during each sampling occasion and tracked over time to estimate survival and capture probabilities (Cormack 1964). Demographic rates can be estimated when animals are marked and recaptured on multiple occasions while their populations are open to life history processes that vary in response to environmental processes over time (Pollock et al. 1990).

We sampled translocation and control sites approximately annually for three years (2015 to 2017) using the same survey methods used at translocation and control sites during pre-removal surveys (Ashton et al. 2017). After collection, mussels were processed at centralized stations following procedures to minimize exposure by holding them in flow through live wells or aerated coolers with routine changes of stream water. In 2015 and 2016, unmarked mussels collected at translocation and control sites were marked with a uniquely numbered shellfish tag affixed to each valve. For each site, we recorded the length and tag numbers for previously unmarked and marked mussels recovered from pre-removal surveys or the relocation. Capture histories of 2,313 Eastern Elliptio were generated from mark-recapture sampling from 2014 to 2017 and used to model population demographics. Mussels that were relocated into habitat between translocation sites and could potentially immigrate into them were excluded from the capture history because their subsequent detection might be due to factors not present at translocation sites.

Population modeling

We evaluated the potential effect of the mussel relocation by modeling apparent survival (Φ) and population growth rate (λ) of relocated mussels and compared it to mussels monitored in the

same manor at translocation and control sites. Analysis involved testing the fit of a set of candidate models to the data and model averaging to estimate population parameters. We used Program MARK (White and Burnham 1999) to calculate parameter estimates and their standard errors for models developed from the encounter histories of tagged mussels. We used Cormack-Jolly-Seber (CJS) models for open populations to estimate apparent survival and unconditional capture probability. The CJS model assumes every marked animal in the population has an equal probability of recapture and surviving to the next sampling occasion, marks are not lost between occasions, and sampling is instantaneous in comparison to times between occasions (Cormack 1964, Jolly 1965, Seber 1965, Pollock et al. 1990). Apparent survival is defined as the probability of an animal surviving between sampling events given it has not emigrated from the site. Capture rate (p) is the probability of a mussel being observed during a sampling occasion given that it is still alive and available for recapture (i.e., at the surface). We evaluated the fit of potential survival models (N = 25) using all combinations of group (g), representing site of initial capture, and time (t), along with group and time constrained (.) parameters. Since the mussels in each site group were of similar length-frequency distribution (Ashton et al. 2017), we do not expect size to influence demographic rates.

We estimated rate of population growth (λ) using CJS model extensions developed by Pradel (1996) to determine whether mussel populations were increasing (λ > 1), stable (λ = 1), or decreasing (λ < 1). We evaluated the fit of potential population growth (N = 125) using all combinations of group (g), representing site of initial capture, and time (t), along with constant (.) parameters. Models were selected on the basis of the parsimony criteria and biological significance (Lebreton et al. 1992). We did not adjust for unequal time intervals since the time intervals between sampling occasions were approximately annual.

We evaluated the fit of our set of models to the mussel capture history data with a parametric bootstrap Goodness-of-Fit test on the global model (i.e., model with the most parameters). If the structure of the global model adequately fit the data, the additional models that are constraints of it can be derived. Bootstrap simulations estimate over-dispersion (ĉ) where ĉ = 1 if the model is a perfect fit. We used an information theoretic approach (Burnham and Anderson 1998) to rank the best fitting candidate models relative to each other. AICc weights (ω*i*) were calculated from ΔAICc values. In short, smaller AICc and larger AICc ω*i* indicate a better model fit relative to the number of its parameters. Models with the greatest support have ΔAICc values ≤ 2 and plausible models have ΔAICc values between seven and 10. Because there is often not one model that best describes variation in data, model averaging was used to derive parameter estimates of apparent survival and capture probability that were weighted across a set of the best ranked models.

Results

We created capture histories for 873 of the 875 Eastern Elliptio collected from the removal area in 2014, which were relocated into translocation sites having an initial cohort of 210 mussels (Figure 1). The initial cohort at control sites had 316 of 317 mussels with capture histories. The complete array of observed mussel recaptures is presented in Table 1. Using data from the removal survey to illustrate a sampling occasions' capture history, 873 marked mussels from the removal area were released in July 2014 with 239 recaptured for the first time in August 2015, 164 in August 2016, and 153 in August 2017 for a total of 556 recaptured from that cohort. A total of 512 and 407 unmarked mussels were detected and tagged in subsequent years as part of mark-recapture monitoring at translocation and control sites, respectively. At translocation sites, 98

(47%) pre-removal mussels were recaptured at least once and 74 (35%) were recaptured multiple times. Three hundred ninety-eight relocated mussels (46%) were recaptured at least once at translocation sites and 280 (32%) were recaptured multiple times. At control sites, 206 pre-removal mussels (65%) were recaptured at least once and 156 (49%) were recaptured multiple times.

There was no evident lack of fit of the global model to capture history data as indicated by 100 bootstrap simulations (p = 0.11) with only minor over-dispersion ($\hat{c}$ = 1.40). A total of 25 live CJS recapture models were fit to the data (Table 2). Of these, seven models had AICc ≤ 10 indicating that multiple models were nearly equivalent in their ability to describe the variance in data. We averaged model parameters across the best fitting models and found that 97% of the weight came from the top five models and 72% from the top three models.

Apparent survival of marked Eastern Elliptio varied by time (t) and initial site of detection (g) as did capture probabilities with 84% of the weight from models including these parameters. Survival and capture probabilities varied less (12%) by models containing time alone. Estimated survival over the four-year period ranged between 0.53 and 0.96 for mussels at control sites, 0.55 and 0.80 for mussels at translocation sites, and 0.57 and 0.77 for relocated mussels (Table 3). Survival was highest from the first to second sampling occasion, decreased from the second and third occasion, and increased from the third to fourth occasion (Figure 2). Capture probability (p) differed among site groups by < 0.10 for a sampling occasion. They were initially low (< 0.40) and increased consistently over time by 25 to 50% (Figure 2).

Only 13 of 125 models to estimate population growth (λ) converged. Eight of these models were of biological interest because they contained time or group constraints on λ. The model with the best support exhibited parameter estimates that were not realistic or interpretable so it was removed from the candidate set. The second model of constant survival and capture probability with population growth varying by group ($\Phi.p.\lambda_g$) was subsequently the best supported model. This model estimated that population growth was stable at translocation (λ = 0.99) and control sites (λ = 0.93), but λ could not be estimated for the relocated mussel group because there was no recruitment into the cohort over the study period. We also examined results from the third model of survival varying by group with constant survival and population growth varying over time ($\Phi_g p.\lambda_t$) since its support was more like that of the prior model relative to others that had exceedingly high ΔAICc and deviance. This model estimated that population growth rate for all site groups was stable from the first to second (λ = 1.05) and second to third (λ = 1.08) sampling occasion.

Discussion

Understanding the efficacy of past mussel relocations has been hampered by lack of monitoring. Early efforts to monitor mussel relocation often focused on observed mortality, which is negatively biased when recapture rates are variable and low (Cope and Waller 1995). Monitoring has since focused on survival, but understanding other factors such as population growth are important to sustaining populations (Pradel and Henry 2007). Mussel relocations typically operate under the assumption that presence of freshwater mussels serves as an indicator of suitable habitat to receive relocated animals (e.g., Hamilton et al. 1997, Bolden and Brown 2002). While others have raised concern (e.g., Villella et al. 1998), there has been little inquiry into the fate of

mussels already present in habitat where population size is increased due to relocation even though it is commonplace (but see Cope et al. 2003).

While survival was generally higher for mussels at control sites, estimates of survival were not substantially different among site groups and the overall pattern in apparent survival was similar across groups. This suggests that apparent survival estimates of Eastern Elliptio in our study were driven by factors such as environment (i.e., flow) or survey (capture probability) rather than effects from relocation. Had the act of relocating mussels impacted mussels present at translocation sites, we would have expected their apparent survival estimates to decrease relative to that of mussels present at control sites. Similarly, had the relocation been unsuccessful, we would have expected survival of relocated mussels to decrease over time in relation to survival of mussels in the control and translocation site groups. Apparent survival rates for Eastern Elliptio observed in this study were comparable to other species in relocation projects (Peck et al. 2014, Stodola et al. 2017), but lower than others (Tiemann et al. 2016).

Apparent survival includes mortality and permanent emigration and are typically underestimates of true survival because it does not distinguish between permanent emigration and mortality. The placement of mussels after tagging into sections other than the one they were collected may lead to temporary (buried) or permanent emigration (displacement). It is also possible that slight up or downstream shifts in the location of the study site could have caused mussels near the boundaries of the site to be left out. Freshwater mussels are generally considered to be sessile with a majority of their movement being short horizontal distances (Kat 1982) or vertical (Amyot and Downing 1997). Rates of long-distance movement in freshwater mussels are not well understood and deserve further scrutiny as the factors responsible for it (i.e., substrate selection or high flows) could directly affect the success of mussel relocation or lead to the misinterpretation of survival estimates. For example, Peck et al. (2014) found rates of movement in relocated mussels of up to 120 m per year. Villella et al. (2004) and Stodola et al. (2017) observed declines in apparent survival rates after high flow events, presumably due to displacement. We observed permanent emigration by recapturing 39 mussels > 1000 m from the sites they were relocated. A majority of these mussels were relocated within 24-hours of a high flow event (Ashton et al. 2017). We also noted temporary and permanent emigration due to mussels being located near the edge of a monitoring site.

Estimates of capture probability differed slightly among groups, particularly between mussels at translocation sites and control sites. We conducted mark-recapture monitoring at all sites under similar environmental conditions (i.e., water temperature and flow) each year in an attempt to reduce the likelihood that capture probability would vary. Habitat that is difficult to survey could negatively influence capture probability and we suspect this may have occurred for at least one of the three control sites, which was very deep. We did not consider adding logistically complex sampling design aspects such as sediment excavation because prior work suggested that just 25% of the Eastern Elliptio population in Deer Creek was buried in the summer (USFWS, unpublished data), although this behavior can directly influence capture histories. For example, buried mussels could be unavailable for capture using a visual survey method, but could return to the surface and be available for capture in the next sampling occasion and vice versa. This emigration violates a basic assumption of mark recapture methods and can result in biased population estimates. When capture probabilities are low, which is often the case for mussels, conducting mark-recapture monitoring with both open and closed modeling approaches (Robust design *sensu* Kendall et al.

1995) may provide better annual demographic rates by marking animals undetected in the first or second sampling occasion within a year (Bailey et al. 2004, Meador et al. 2011).

The Pradel population growth model results suggest that in the short-term the increase in mussel abundance at translocation sites due to the relocation had no negative impact. Population growth rates (λ) were static to slightly positive over time and control sites exhibited similar rates. Estimates of $\lambda \approx 1.0$ for mussels suggest the population is self-sustaining through a strategy of low, but constant recruitment and high adult survival to remain stable (Villella et al. 2004). Length-frequency histograms of mussels collected at each site over the course of the study support this finding (Ashton et al. 2017). Since Pradel's (1996) model relies on the ability to detect new recruits into the cohort it is important to recognize that recruitment in mussel populations is typically estimated by observing larger animals. While we observed and marked individuals as small as 17 mm, which are likely 1 to 2 years old, average size of recaptured mussels was about 60 to 65 mm (Ashton et al. 2017). Therefore, we are likely slightly underestimating λ because a proportion of new recruits (i.e., smaller mussels) go undetected using our survey methods.

Freshwater mussel populations present special issues for employing mark-recapture methods, which were largely developed for mobile animals for which marked and unmarked animals readily mix between samplings occasions (Strayer and Smith 2003). In this study, we followed mussel relocation guidelines in an attempt maximize survival and recapture. Additionally, we incorporated general and mussel specific guidelines (Villella et al. 2004) for mark-recapture studies into our monitoring plan in an attempt to assess the effects of mussel relocation, including sampling the study area in a manor to survey the entire population, sampling when mussels were most likely to be at the surface available for capture, a double tagging method, returning mussels to areas where they were collected, and marking a large number of animals on each sampling occasion. For example, Brownie et al. (1985) suggested tagging a minimum of 300 animals per year and more for animals that are expected to have low rates of recapture. After pooling data from our individual monitoring sites by group, we tagged 170 to 893 mussels each year and detected 16% to 40% of those mussels in later sampling occasions. Some limitations of our findings are due to the relatively short period of time we conducted monitoring relative to the long-cycle of mussels and their life history processes and the low number of sampling occasions. Prior recommendations for mussel mark-recapture studies ranged from two to 10 years (Dunn et al. 2000, Villella et al. 2004, Mackie et al. 2008).

Conclusions

While mark-recapture sampling could not produce estimates for certain models and sampling intervals, there were consistent patterns in model-averaged survival among groups and over time. There were no detectable negative effects from the act of mussel relocation on the apparent survival of relocated mussels or mussels already present in the habitat that was stocked. Untested and heavily parameterized models could elucidate patterns in survival due to habitat quality or initial population size within monitoring sites. Available estimates of population growth from two models suggest that mussels at translocation sites were not affected by the relocation (i.e., λ similar to control group) and the population as a whole was stable ($\lambda \approx 1$).

Lack of convergence in the apparent survival and population growth models may in part be due to inherent variability between individual monitoring sites. Understanding these differences could be important if survival estimates were driven by conditions at one site and to develop

recommendations for future relocations, such as stocking rates based on initial population size. It is more likely that the modeling runs were affected by the relatively low number of sampling occasions and short duration (3 years) of the study. These factors are complicated by study animals that are long lived and have low recapture probability. Invalid estimates of apparent survival (Φ) for individual models for the first or last sampling interval typically indicates that the constraints of a particular model (i.e., group or time) are not explained by the capture history. Invalid estimates of population growth (λ) for the removal group likely arose because they were relocated into an existing population and were not open to recruitment. Using population growth as a measure of conservation action success appears better suited for translocations that create new populations where recruitment can be distinguished.

Monitoring of freshwater mussel populations to detect changes in population demographic rates require multiple-year commitments because they are dependent on natural processes that vary over time. In the specific case of mussel relocation, demographic rates are acutely altered. Ultimately, the long-term success of such a conservation action hinges on knowing whether the population is subsequently changes in size. In future designs of post-relocation monitoring, we recommend at least two sampling events within a year to 1) increase the number of sampling events in the model matrix, 2) allow for the use of Robust mark-recapture models, 3) detect short-term mortality, and 4) assess temporary and permanent emigration. Based on our findings, we would also recommend that future mussel relocation monitoring be conducted within a one or a few, large, homogeneous study sites to reduce the influence of local habitat factors on tagged mussels as opposed to multiple, small, heterogeneous sites used in this study. For example, modifying the sampling design from three control sites and five translocation sites sampled once a year to one control site and two translocation sites sampled three times a year would increase precision in model estimates by tripling the number of sampling occasions while adding only one field day of annual effort.

Relocation of freshwater mussels is a commonly employed conservation tool to remove populations from the immediate impacts of instream construction projects. Its application has greatly improved over the past few decades as our understanding of the ecological requirements of mussels, their tolerance to disturbance, and the methods to relocate them has improved. Given the imperiled status of many freshwater mussel populations, the use of relocation as a conservation tool should only be employed when avoidance is not practical and conservation benefits can be maximized. In the case of Deer Creek, where populations of Eastern Elliptio are large and recruiting, alternative actions to short-distance relocation due to future MD 24 construction activities may be necessary since further concentration may not provide conservation benefits beyond avoiding the direct impacts of construction.

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Table 1. Observed recaptures for Eastern Elliptio at monitoring sites by site of initial capture, where *i* = time of release, *j* = time of recapture, *R*(*i*) = the number of individuals captured in time *i* and release with tags back into the population (i.e., a cohort), *m*(*i,j*) = the number of tagged individuals capture for the first time during interval *j* from the cohort release at time *i*, *r*(*i*) = the total number of the *R*(*i*) individuals release that are captured again, *m*(*j*) = the total number of marked individuals captured in the *j*th sample, and *z*(*j*) = the total number of captures at intervals *j* + 1, …, *k* from released in cohorts R_1, …, R_{j-1}.

		Observed recaptures for Eastern Elliptio *m*(*i, j*) at control			
Time *i*	*R*(*i*)	*j* = 8/15	8/16	8/17	*r*(*i*)
7/14	316	128	96	96	320
8/15	237		69	66	135
8/16	170			78	78
m(*j*)		128	165	240	
z(*j*)		192	162	0	
		Observed recaptures for relocated Eastern Elliptio *m*(*i, j*)			
Time *i*	*R*(*i*)	*j* = 8/15	8/16	8/17	*r*(*i*)
7/14	873	239	164	153	556
8/15	0		0	0	0
8/16	0			0	0
m(*j*)		239	164	153	
z(*j*)		317	153	0	
		Observed recaptures for Eastern Elliptio *m*(*i, j*) at translocation			
Time *i*	*R*(*i*)	*j* = 8/15	8/16	8/17	*r*(*i*)
7/14	210	55	52	41	148
8/15	316		79	72	151
8/16	196			77	77
m(*j*)		55	131	190	
z(*j*)		93	113	0	

Table 2. Statistics for CJS live recapture models fit to capture history data used to assess the survival of relocated mussels. Candidate models to average model parameters were those with AIC ≤ 10.

Model	AICc	ΔAICc	AICc ωi	Model likelihood	No. parameters	Deviance
Φ (g*t) p(g*t)	6136.409	0	0.39331	1	14	20.186
Φ (g*t) p(g+t)	6137.905	1.50	0.18614	0.4733	13	23.700
Φ (g+t) p(g+t)	6138.467	2.06	0.14054	0.3573	9	32.319
Φ (t) p(g+t)	6138.635	2.23	0.12924	0.3286	8	34.498
Φ (g*t) p(t)	6138.753	2.34	0.12182	0.3097	10	30.593
Φ (t) p(g*t)	6142.325	5.92	0.02042	0.0519	11	32.151
Φ (g+t) p(g*t)	6144.517	8.11	0.00682	0.0173	13	30.312
Φ (g*t) p(g)	6148.063	11.65	0.00116	0.0029	11	37.888
Φ (t) p(g)	6150.255	13.85	0.00039	0.0010	6	50.137
Φ (g+t) p(g)	6153.279	16.87	0.00009	0.0002	8	49.143
Φ (g+t) p(t)	6154.383	17.97	0.00005	0.0001	8	50.246
Φ (g*t) p(.)	6155.928	19.52	0.00002	0.0001	9	49.780
Φ (g+t) p(.)	6170.112	33.70	0	0	6	69.995
Φ (t) p(t)	6172.141	35.73	0	0	5	74.031
Φ (.) p(g+t)	6175.097	38.69	0	0	6	74.979
Φ (g) p(g+t)	6175.152	38.74	0	0	8	71.016
Φ (g) p(t)	6180.433	44.02	0	0	6	80.316
Φ (.) p(g*t)	6180.93	44.52	0	0	10	72.769
Φ (g) p(g*t)	6181.252	44.84	0	0	12	69.062
Φ (t) p(.)	6185.431	49.02	0	0	3	91.332
Φ (.) p(t)	6199.779	63.37	0	0	4	103.675
Φ (.) p(g)	6208.200	71.79	0	0	4	112.096
Φ (g) p(g)	6209.726	73.32	0	0	6	109.608
Φ (g) p(.)	6220.253	83.84	0	0	4	124.149
Φ (.) p(.)	6248.048	111.64	0	0	2	155.952

Table 3. Model-averaged estimates and standard errors (SE) of apparent survival (Φ) and capture probability (p) for Eastern Elliptio in Deer Creek by site group of initial capture. Apparent survival and capture probability estimates over time pertain to the interval between sampling events.

		Control		Removal		Translocation	
Interval		Φ	SE	Φ	SE	Φ	SE
7/14 – 8/15		0.96	0.02	0.77	0.04	0.80	0.06
8/15 – 8/16		0.53	0.03	0.57	0.05	0.55	0.04
8/16 – 8/17		0.88	8.93	0.66	11.76	0.69	12.44
Interval		P	SE	P	SE	P	SE
7/14 – 8/15		0.42	0.03	0.35	0.03	0.35	0.04
8/15 – 8/16		0.57	0.03	0.45	0.03	0.48	0.04
8/16 – 8/17		0.61	8.35	0.67	13.86	0.64	14.20

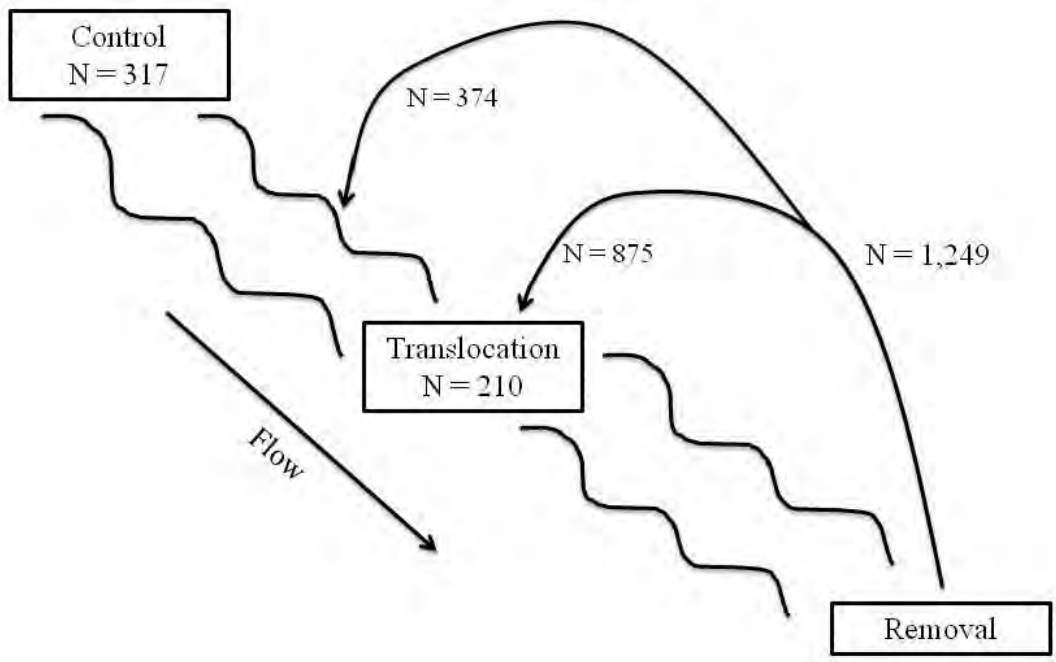

Figure 1. Illustration of the freshwater mussel relocation and mark-recapture monitoring design. Numbers of mussels by site group represent the initial cohort in the capture history.

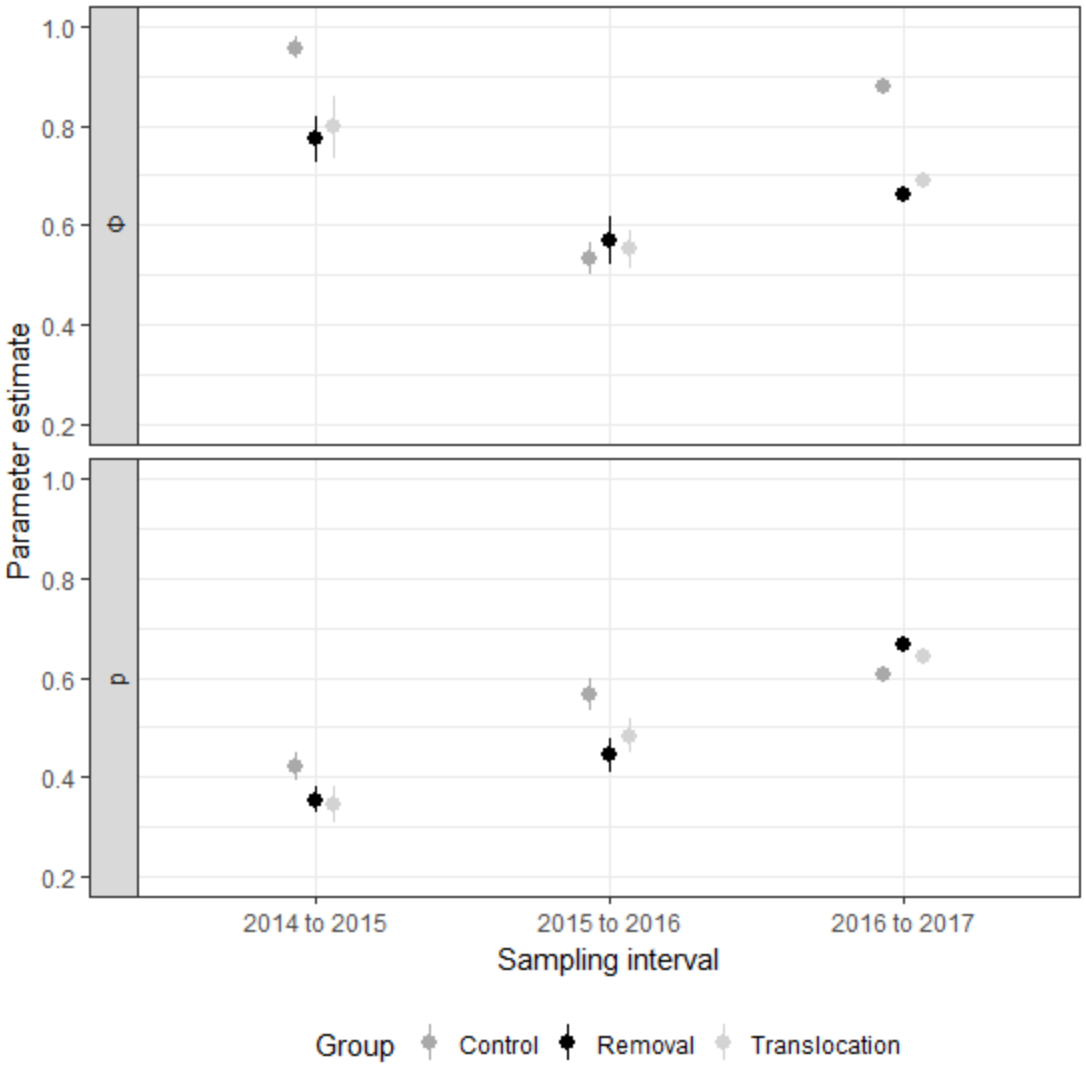

Figure 2. Model-averaged apparent survival (Φ) and capture probability (p) estimates derived from four years of mark-recapture sampling of Eastern Elliptio in Deer Creek. Group indicates the site of initial mussel capture.