TERRAPIN MONITORING AT THE PAUL S. SARBANES ECOSYSTEM RESTORATION PROJECT AT POPLAR ISLAND

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Research Assistant Melanie Heckman and Intern Alanna Silva work up a terrapin nest on the outside of Cell 3 on the PIERP – Photo by Doug Deeter, USACE

BACKGROUND

The Paul S. Sarbanes Ecosystem Restoration Project at Poplar Island, formerly known as the Poplar Island Environmental Restoration Project (PIERP) is a large-scale project that is using dredged material to restore the eroding Poplar Island in the Middle Chesapeake Bay. As recently as 100 years ago, the island was greater than 400 hectares and contained uplands and high and low marshes. During the past 100 years, the island eroded and by 1996 only three, small (<4 hectares) islands remained before the project commenced. The Project Sponsors, the United States Army Corps of Engineers (USACE) and the Maryland Port Administration (MPA) are rebuilding and restoring Poplar Island to a size similar to what existed over 100 years ago. A series of stone-covered perimeter dikes facing the windward shores of PIERP were erected to prevent erosion. Dredged material from the Chesapeake Bay Approach Channels to the Port of Baltimore is being used to fill the areas within the dikes. The ultimate goal of the project is to restore remote island habitat in the mid-Chesapeake Bay using clean dredged material from the Chesapeake Bay Approach Channels to the Port of Baltimore; optimize site capacity for clean dredged material while meeting the environmental restoration purpose of the project; and to protect the environment around the restoration site. Ultimately, this restoration will benefit the wildlife that once existed on Poplar Island.

After completion of the perimeter dikes in 2002, diamondback terrapins, *Malaclemys terrapin,* began using the newly formed habitat as a nesting site (Roosenburg and Allman 2003; Roosenburg and Sullivan, 2006: Roosenburg et al., 2007; 2005; 2004). The persistent erosion of Poplar and nearby islands had greatly reduced the terrapin nesting and juvenile habitat in the Poplar Island archipelago. Prior to the initiation of the PIERP, terrapin populations in the area likely declined due to emigration of adults and reduced recruitment because of limited high quality nesting habitat. By restoring the island and providing nesting and juvenile habitat, terrapin populations utilizing the PIERP and the surrounding wetlands could increase and potentially repopulate the archipelago. The newly restored wetlands could provide the resources that would allow terrapin populations to increase by providing high quality juvenile habitat.

The PIERP is a unique opportunity to understand how large-scale ecological restoration projects affect terrapin populations and turtle populations in general. In 2002, a long-term, terrapin monitoring program was initiated to document terrapin nesting on the PIERP. By monitoring the terrapin population on the PIERP, resource managers can learn how creating new terrapin nesting and juvenile habitat affects terrapin populations. This information will contribute to understanding the ecological quality of the restored habitat on the PIERP, as well as understanding how terrapins respond to large-scale restoration projects. The results of six years of terrapin nesting surveys and juvenile captures are summarized herein to identify how diamondback terrapins use habitat created by the PIERP and how it has changed during that time.

As stated in the 2006 PIERP Framework Monitoring Document, the purpose for terrapin monitoring is to: quantify the use of nesting and juvenile habitat by diamondback

terrapins on Poplar Island, including the responses to change in habitat availability as the project progresses; evaluate the suitability of terrapin nesting habitat by monitoring nest and hatchling viability, recruitment rates, and hatchling sex ratios; and determine if the project affects terrapin population dynamics by increasing the available juvenile and nesting habitat on the island.

The terrapin's charismatic nature makes it an excellent species to use as a tool for environmental outreach and education. Some of the terrapin hatchlings that originate on the PIERP participate in an environmental education program in the Anne Arundel County and Baltimore City schools through Arlington Echo Outdoor Education Center (AE). These programs provide students with a scientifically-based learning experience that also allows Ohio University researchers to gather more detailed information on the nesting biology of terrapins, in addition to providing an outreach and education opportunity for the PIERP. As part of the terrapin research program at the PIERP, Ohio University researchers are collaborating with staff at AE to foster both a classroom and field experience that uses terrapins to teach environmental education and increase awareness for the PIERP. The specific goals of the terrapin outreach program are:

1) Provide approximately 150 terrapin hatchlings to AE to be raised in classrooms.
2) Obtain sex ratio data from the hatchlings through endoscopy.
3) Initiate a scientifically-based head-start program to evaluate this practice.

Figure 1. Red areas on the PIERP that were monitored for terrapin nests by the research team.

METHODS

Specific details of differences in surveys and sampling techniques used during 2002 - 2005 can be found in Roosenburg and Allman (2003) and Roosenburg et al. (2004; 2005). Since 2004, survey efforts to find nests were consistent and thorough. Details of the general survey methods and specific techniques employed during 2007 are described below.

Identification of terrapin nests: From 15 May to 1 August 2007, Ohio University researchers surveyed the following areas daily: beaches in the notch area (near Cell 4), areas between Coaches Island and the PIERP (outside of Cell 5), inside the open upland cell (Cell 6), and the beach outside the dike in Poplar Harbor (outside Cell 3; Figure 1). The researchers occasionally searched the periphery of Cell 4DX for signs of terrapin nesting on the surrounding dikes. Geographic positioning

system (GPS) recorded nest positions and survey flags identified the specific nest locations. Upon discovering a nest, researchers examined the eggs to determine the age of the nest. If the eggs were white and chalky, they considered the nest greater than 24 hours old and no further excavation was conducted because of increased risk of rupturing the allantoic membrane and killing the embryo. Researchers excavated recent nests (less than 24 hours old identified by pinkish translucent appearance of the eggs) to count the number of eggs and from 2004 through 2007 weighed the individual eggs. Researchers marked nests with four 7.5 cm^2 survey flags, and beginning in 2005, laid a 30 cm by 30 cm ,1.25 cm^2 mesh rat wire on the sand over the nest to deter avian nest predators, primarily crows.

Monitoring nesting and hatching success: After 45 to 50 days of incubation, researchers placed an aluminum flashing ring around each nest to prevent emerging hatchlings from escaping. Anti-predator (1.25 cm^2) wire also was placed over the ring to prevent predation of emerging hatchlings within the ring. Beginning in late July, the researchers checked ringed nests at least once daily for emerged hatchlings. Researchers brought newly emerged hatchlings to the onsite storage shed where they measured and tagged the hatchlings.

Researchers excavated nests ten days after the last hatchling emerged. For each nest, they recorded the number of live hatchlings, dead hatchlings that remained buried, eggs with dead embryos, and eggs that showed no sign of development. To estimate hatching success, researchers compared the number of surviving hatchlings to the total number of eggs from only the nests that were excavated within 24 hrs of oviposition that a definite count of the number of eggs. Additionally, researchers determined if the nest was still active – eggs that appeared healthy and had not completed development. The researchers allowed nests containing viable eggs or hatchlings that had not fully absorbed their yolk sac to continue to develop; however, researchers removed fully developed hatchlings from nests which is further described in the next section.

Capture of hatchlings: Researchers collected hatchlings from ringed nests and from un-ringed nests that were discovered by hatchling emergence. Additionally, researchers found a small number of hatchlings on the beach, which they collected and processed. Because a significant number of the 2007 nests over-wintered (hatchlings remaining in the nest until spring of the following year), researchers traveled to the PIERP on 31March and 1 April 2008 to excavate and determine the fate of the over-wintering nests.

Measuring, tagging, and release of hatchlings: Researchers brought all hatchlings back to the Maryland Environmental Service (MES) shed onsite where they placed hatchlings in plastic containers with water until they were processed (measured, notched, and tagged), usually within 24 hours of capture. Researchers marked hatchlings by notching with a scalpel the 12^{th} right marginal scute and 11^{th} left marginal scute establishing the cohort ID 12R11L for 2007. From 2002 through 2007 different notch codes were used to identify specific cohorts upon subsequent recapture. Researchers implanted individually marked coded wire tags (CWTs, Northwest Marine Technologies®) in all hatchlings. The CWTs were placed subcutaneously in the right rear limb using a 25-gauge needle. The

CWTs should have high retention rates (Roosenburg and Allman, 2003) and in the future researchers will be able to identify terrapins originating from the PIERP for the lifetime of the turtle by detecting tag presence or absence using Northwest Marine Technologies' V-Detector.

Researchers measured plastron length, carapace length, width, and height (± 0.1 mm), and mass (± 0.1 g) of all hatchlings. Additionally, they checked for anomalous scute patterns and other developmental irregularities. Following tagging and measuring, researchers released all hatchlings in either Cell 4DX or Cell 3D. During 2002 – 2003 hatchlings were also released in the notch. On several occasions, large numbers (>50) of hatchlings were simultaneously released. During 2007, 9 hatchlings that emerged after the first of November were held over winter and released the following spring. The hatchlings were re-measured at the time of their release to monitor any growth while in captivity.

Measuring, tagging, and release of juveniles and adults: All juvenile and adult turtles encountered on the island were transported to the onsite shed for processing. Researchers recorded plastron length, carapace length, width, and height (±1 mm), and mass (±1 g) of all juveniles and adults. Passive Integrated Transponder (PIT) tags were implanted in either the right rear foot or in the right inguinal region; in the loose skin anterior to the hind limb where it meets the plastron. Additionally, during all years a monel tag was placed in the 9th right marginal scute. The number sequence on the tag begins with the letters PI, identifying that this animal originated on Poplar Island.

Arlington Echo Education Program: During 2007, 178 PIERP hatchlings were provided to the AE for a terrapin education and environmental outreach program coordinated by MES for the USACE and MPA. In April and May 2008, researchers traveled to AE to implant PIT tags and determine the sex of these animals using laparoscopy. Researchers also measured and weighed all animals at this time. In late May and early June 2008, the AE animals were returned to the PIERP for release in the notch.

Researchers summarized and processed all data using Microsoft Excel® and Statistical Analysis System (SAS). Graphs were made using Sigmaplot®. Institutional Animal Care and Uses Committee at Ohio University (IACUC) approved animal use protocols (#L01-04) and Maryland Department of Natural Resources (MD DNR) – Fisheries Division issued a Scientific Collecting Permit Number 2007-54 to Willem M. Roosenburg (WMR).

RESULTS AND DISCUSSION

Nest and Hatchling Survivorship: During the 2007 terrapin nesting season (May – July), the researchers located 225 nests on the PIERP (Table 1, raw nest data provided in Appendix 1). Of these 225 nests, 166 successfully produced hatchlings, 59 nests were unsuccessful, of which predators destroyed 18 nests (Table 1). Other nests failed because of thinned shelled eggs or they were placed too close to the mean high tide in areas where erosion was significant.

Year	2002	2003	2004	2005	2006	2007
Total Nests	68	67	182	282	191	225
Nests produced hatchlings	38	50	129	176	112	166
Nests that did not survive	1	7	17	70	69	44
Depredated (Roots or Animal)	0	0	12	46	54	18
Washed out	1	6	3	11	13	2
Undeveloped eggs, weak shelled eggs, or dead embryos	0	1	0	12	1	19
Destroyed by another turtle or nest was in rocks	0	0	2	0	0	3
Destroyed by Bulldozer	0	0	0	1	0	0
Dead Hatchlings	0	0	0	0	1	2
Fate of Nest Unknown	29	10	36	36	10	19

Table 1 - Summary of the diamondback terrapin nests found and their fate on the PIERP from 2002 to 2007

From 2002 to 2005 the number of terrapin nests on the PIERP has increased, but appears to have reached a plateau over the last two years (Table 1). In 2007, there was a modest increase of 34 nests from 2006 suggesting that the population of nesting females in the area may be stable. There has been a shift in the nesting activity in the different areas of the island (Figure 2, 3). The nesting activity outside of Cell 3 has decreased by about 50% from its high in 2004, but has been stable for the last three years. A major reduction in the available nesting habitat occurred after tidal flow was initiated into Cell 3D (after the creation of wetlands habitat) thereby reducing the number of nests. The resulting change in current eroded the beach on the outside of the dike at Cell 3. Previously, that beach was continuous outside the dike from Cell 3A to Cell 1A; it now lies only in front of Cells 3A and 3B and in recent years, the nesting activity has

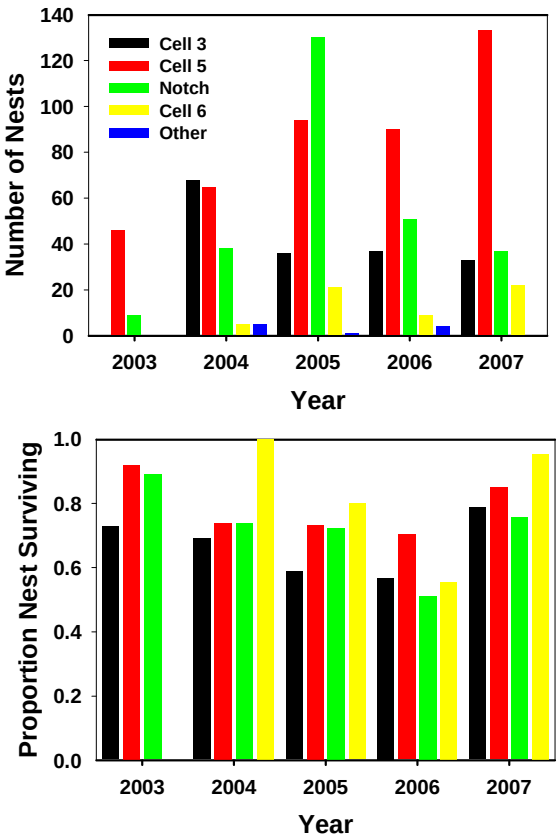

Figure 2 – The number of nests in each of the major nesting areas for each year of the study and the proportion of nests surviving

Figure 3 – Terrapin nesting locations on the PIERP from 2002 - 2007

declined. Nesting activity is increasing outside Cell 5 while the number of nests in the notch continues to decrease (Figure 2). The decrease in the notch may be due to the increasing vegetation on the dike, whereas outside of Cell 5 large areas of open sand remain. Increasing vegetation decreases terrapin nesting habitat in addition to making it more difficult to find nests.

During 2007, nest survivorship increased and reversed the decline observed from 2002-2006 (Figure 2). This increase in nest survivorship occurred because researchers placed screening over the nest immediately after processing the nest thereby reducing the predation by crows that was the major contributing factor to the decline in nest success in previous years.

During 2007, researchers encountered unconfirmed (no egg shells present) nests that likely had been depredated by crows. However, the success of crows preying on known nests was reduced substantially because of the use of the screening. In previous years, researchers have observed willets (*Catoptrophorus semipalmatus),* an eastern kingsnake (*Lampropeltus getulus),* and a small mammal, most likely a shrew (*Blarina spp.)* eating terrapin nests. During 2007, a small burrowing animal with the ability to get under the protective screening was responsible for most of the predation. During the six years of the study, researchers have noticed some predation by foxes (*Vulpes spp.*). However, the elimination of foxes from the island has decreased predation by these animals. During 2005, the predation rate by crows increased significantly (Table 1), however, no action by the terrapin researchers was taken to deter the predators. In 2006, crow predation began earlier and at a higher rate and researchers began to place a small hardware cloth in the sand over the nests. During 2007, the protection of nests began immediately and all nests were protected to minimize avian predation. The protection of nests greatly reduced predation and

predation attempts (protected nests that were disturbed but not eaten) and thereby contributed to the increase in nest survivorship in 2007 (Figure 3).

Researchers occasionally noted thin-shelled terrapin eggs on the PIERP. Thin-shelled eggs also have been observed in the Patuxent River terrapin population (Roosenburg personal observation). Only a few eggs in a clutch may have thin shells, or it may affect the entire clutch. Ohio University researchers have noted that nests in which all of the eggs have thin shells are frequently broken during oviposition and seldom hatch. The cause of the thin-shelled eggs is unknown at this time, but it is not unique to the PIERP. Two possible causes that remain to be evaluated include first a toxicological effect by a factor ubiquitous in the Chesapeake Bay, or second, a resource limitation by the females to sequester sufficient amounts of calcium to shell the eggs.

Reproductive Output: Clutch size (Analysis of Variance; ANOVA, $F_{3,436} = 0.95$, $P > 0.05$), clutch mass (ANOVA, $F_{3,438} = 0.91$, $P > 0.05$), and average egg mass (ANOVA, $F_{3,438} = 0.48$, $P > 0.05$) did not differ significantly from 2004 through 2007 (Table 2). During 2002 and 2003, researchers did not collect these data. These findings indicate that there is no difference in per-clutch reproductive output from one nesting season to the next. One interesting pattern that researchers detected in the terrapin data is an increase in variation in egg mass within clutches as the nesting season progressed (Figure 4). Ohio University researchers discovered this pattern somewhat serendipitously when a failed balance caused an interruption in the collection of egg mass data in 2004. This caused a disjunction between the beginning and the end of the nesting season that prompted the comparison of within clutch egg mass between the first (early May to mid June) and the second half of the season (mid June to July). Interestingly, egg mass did not differ between early and late nesting season, but a difference in the standard deviation indicated that clutches were more variable in the second half of the season ($t = -3.56$, $P < 0.01$, Figure 4). This pattern is repeated from 2005 through 2007. The mechanism underlying the increase in variation in egg mass as the season progresses is unknown. However, terrapins in the Chesapeake Bay can nest up to three times in a nesting season with as little as 15 days between clutches (Roosenburg, 1992: Roosenburg and Dunham, 1997) whereas the first clutch develops internally over several months. The first clutch may have more even resource allocation to individual eggs, while relatively rapid production of the second and third clutch, may generate uneven distribution of yolk, albumin, and material to individual eggs. The fact that thin-shelled eggs occur at a greater frequency at the end of the season also suggests females experience

Year	Clutch Size	Clutch Mass (g)	Egg Mass (g)
2004	13.68 (0.379)	127.55 (4.372)	9.80 (0.110)
2005	13.62 (0.245)	133.11 (2.541)	9.92 (0.087)
2006	13.48 (0.248)	133.28 (2.570)	9.97 (0.081)
2007	13.11 (0.241)	127.4 (2.502)	9.86 (0.086)

Table 2. Average and standard error of clutch size, clutch mass, and egg mass from 2004-2007 from the PIERP.

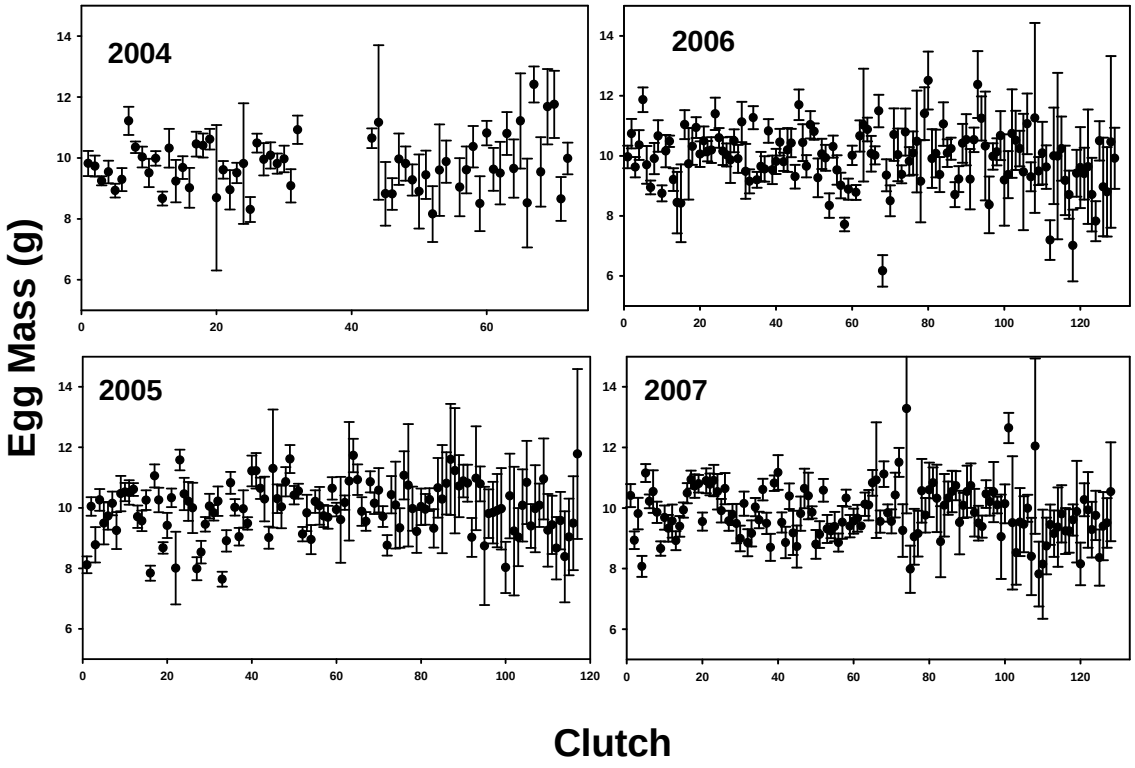

Figure 4 – Average egg mass ± 1 standard deviation of sequential clutches on PIERP from 2004 – 2007.

resource limitation or degradation in their ability to fine-tune the allocation of resources to individual eggs. This pattern may provide insight into the costs and benefits of additional clutches during the nesting season because second and third clutches may have a greater probability of failure due to reduced quality of the eggs either through thinned shells or inadequate energy reserves. Terrapins nesting on the PIERP provides an excellent opportunity to test this hypothesis because of the high survivorship of nests.

Hatchlings: Researchers captured, tagged, and notched 1,616 terrapin hatchlings on the PIERP between 2 August 2007 and 31 March and 1 April 2008 (Table 3, Appendix 2). All hatchlings except for 13 were caught at their nests. This includes the ringed nests and 18

Year	Number of Hatchlings	Mean Carapace Length (mm)	Mean Mass (g)
2002	565	31.28 (1.61)	7.52 (0.96)
2003	387	31.13 (1.50)	7.50 (0.99)
2004	1,337	31.57 (1.47)	7.61 (0.89)
2005	1,526	30.98 (1.94)	7.45 (1.10)
2006	855	30.95 (1.71)	7.38 (1.01)
2007	1,616	31.26 (1.72)	7.50 (0.91)
Total	6,285		

Table 3 - Number of hatchlings, mean and standard error of carapace length and mean mass of terrapin hatchlings caught on the PIERP from 2002-2007.

nests that were found as the hatchlings emerged. From 2002-2007, 6,285 hatchlings have been captured, tagged, and notched on the PIERP (Table 3). 2007 was the highest year of hatchling production since the beginning of terrapin monitoring on the PIERP (Table 3). Interestingly, this increase in hatchlings did not occur because of an increase in the number of nests, but because of higher nest survivorship (Table 1). The increase in nest survivorship is an encouraging sign that the predation control is effective and that recruitment remains strong on the PIERP.

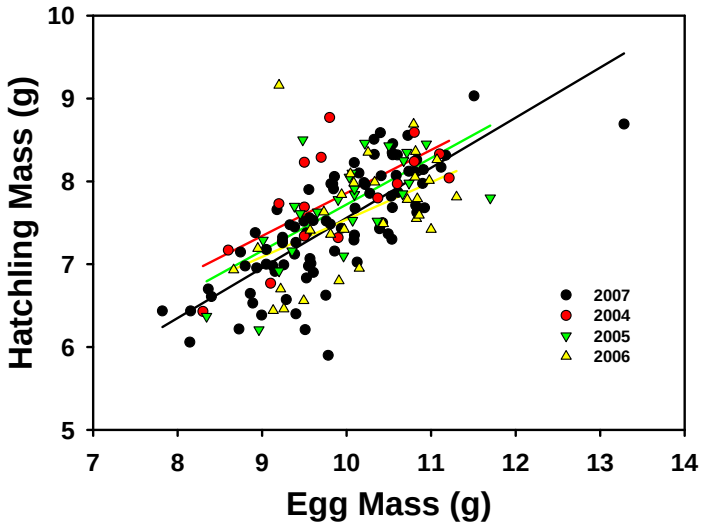

Figure 5 - The relationship between mean egg mass and mean hatchling mass for clutches in which hatching success was greater than 70%. The data suggest that hatchlings in 2007 were smaller than in 2004 and 2005.

Hatchling size was similar among years of the study, (Table 3), however, because of the large number of nests at the PIERP, researchers were also able to evaluate the relationship between mean egg size within a clutch and mean hatchling size (Figure 5). This analysis was restricted to nests in which the hatching rate within the nest was 70% or higher to avoid potential bias due to differential mortality of different sized eggs. This comparison reveals some interesting results. First, mean egg mass correlates positively with mean hatchling size among clutches (Analysis of Covariance; ANCOVA, $F_{1,153} = 147.82$ $P < 0.05$, Figure 4). Although this pattern occurs in laboratory incubation of eggs from most chelonid species, this is the first *in situ* evidence that egg mass affects hatchling size in the field. Second, the data suggest that there was a significant difference in mean hatchling size among years (ANCOVA, $F_{3,153} = 2.78$ $P < 0.05$) when mean egg mass was used as a covariate. Hatchlings in 2006 and 2007 were smaller than those of 2004 and 2005. The precise cause of the smaller hatchlings is unknown; however, because 2006 and 2007 were dryer years than both 2004 and 2005, the difference may reflect dryer soil conditions that are known to affect hatchling size in the laboratory. The difference in mass is most likely due to differences in the hydration state, as dryer soils are known to negatively affect hatchling size in laboratory experiments (reviewed Packard and Packard,1988). The difference in water is usually recovered when the hatchlings enter water. Despite their smaller size the past two years, hatchling terrapins from the PIERP generally are robust and appear healthy.

Over-wintering: Perhaps one of the most interesting findings of the terrapin surveys on the PIERP is the hatchling over-wintering. In 2004, the first terrapin nests were allowed to over-winter *in situ*; prior to 2004 researchers excavated any nests that remained in the ground in late October. In 2004, a limited number of nests were left to over-winter, and in

	2006		2007	
TOTAL NESTS - NOTCH & OUTSIDE OF CELL 5	146		170	
DEPREDATED NESTS AND NESTS DESTROYED BEFORE FALL EMERGENCE	47	32.2%	18	10.6 %
FALL EMERGING NESTS	49	33.6%	92	54.1%
NESTS OVER-WINTERING	44	30.1%	60	35.3%
SPRING EMERGING NESTS	33	22.6%	50	29.4%
OVER-WINTERING NESTS THAT DID NOT EMERGE	6	13.6%	4	2.4%
UNKNOWN NESTS	11	7.5%	6	3.5%
BOTH FALL & SPRING EMERGING NESTS	1	0.7%	0	0%

Table 4 – Nest fate and over-wintering percentage of the nests outside of Cell 5 and the notch during the 2006 and 2007 nesting seasons on the PIERP. Nests were not allowed to over-winter at other nesting sites.

2005, many of the nests that presumably would have over-wintered did not because researchers disturbed the nests in late October to insert temperature loggers in the remaining nests. During 2006 and 2007 most potentially over-wintering nests were neither disturbed or excavated after the middle of October. To minimize the work required of MES personnel, only nests in the notch and the perimeter dike outside of Cell 5 were left to over-winter. Of the 170 nests in 2007 that were laid in these areas, 54.1% emerged between 2 August and 31 October and 35.3% over-wintered (Table 4). Only 4, 2.4%, of the over-wintering nests failed to emerge. Nest survivorship was high and similar between fall and spring emerging nests. This result suggests that the 2007 nesting season and its associated over-wintering period provided excellent conditions for terrapin incubation and nest success.

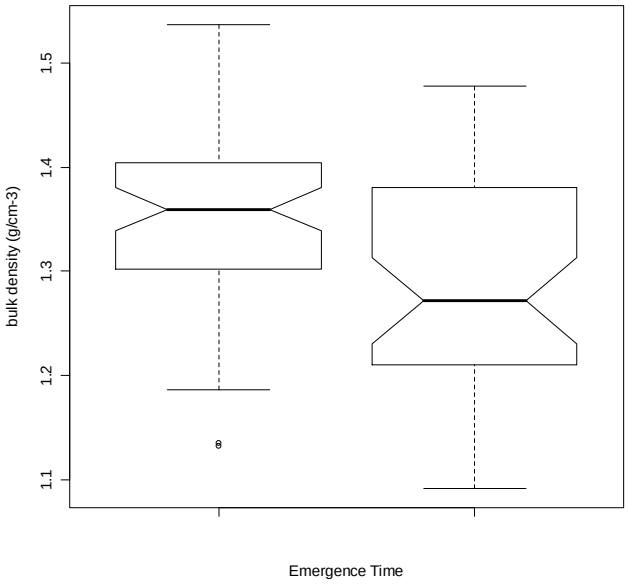

Figure 6. Comparison of bulk density between fall and spring emerging nests. Fall emerging nests (left) had lower bulk density values than spring nests (right).

Researchers further investigated hatchling over-wintering by investigating environmental characteristics that potentially influence spring emergence. Soil characteristics including soil composition, bulk density, and texture were analyzed from soil samples collected from fall and spring emerging nests. Date of nest oviposition was also compared between fall and spring emerging nests. There was no difference in soil texture (relative proportions of sand [Wilcox Test, $P > 0.05$], silt [Wilcox Test, $P > 0.05$] and clay [Kolmogorov Smirnov Test, $P > 0.05$]). Similarly, there was no difference in lay

date between fall and spring emerging nests (Wilcox Test, P > 0.05) for both 2005 and 2007. However, during 2006 there was an effect of oviposition date (Wilcox Test, P < 0.05). On average, spring emerging (over-wintering) nests were laid 15 days later in the season during 2006 than fall emerging nests. Bulk density, a measure of soil compaction, did differ between spring and fall emerging nests in 2007 (Figure 6, Wilcox Test, P < 0.005). These initial results suggest that over-wintering may be influenced by how difficult it is for hatchlings to dig out of the nest. Researchers have observed that at the end of the summer, soils are dryer and more compact compared to moister, and looser in the spring. Thus, hatchlings simply may be forced to over-winter in the nest while awaiting conditions that are more favorable for emergence and digging out of the nests. Ohio University researchers also mapped fall and spring emerging nests to identify specific regions in the notch and on the outside of Cell 5 where nests are more likely to over-winter (Figure 7). Figure 7 also illustrates areas with high and low values for bulk density, revealing a strong concordance between areas with higher bulk density values and over-wintering.

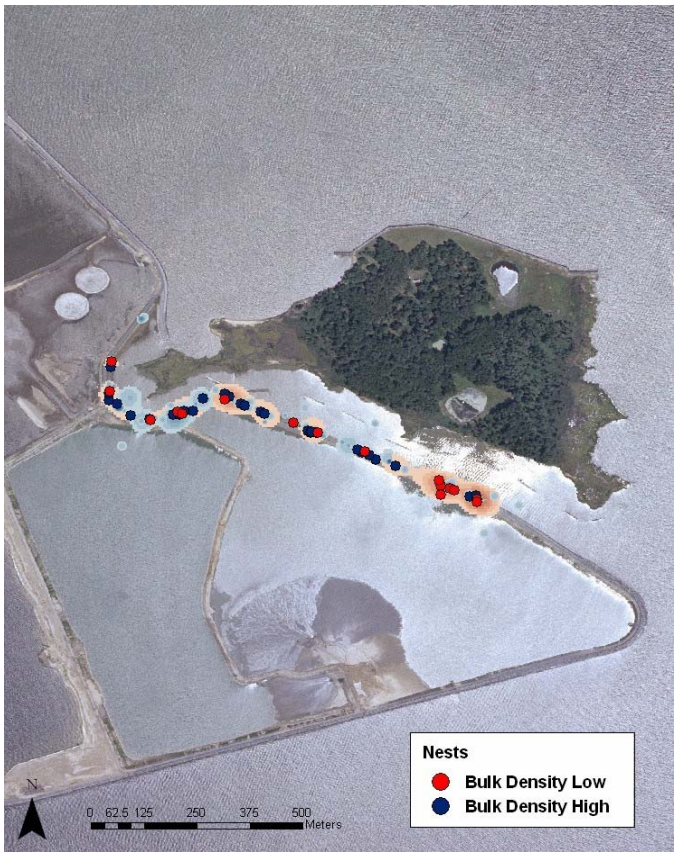

Figure 7. Map of 2007 fall emerging (red dots) and 2008 spring emerging (blue dots) outside Cell 5 and in the Notch. The light blue and light red shading correspond to areas with high and low bulk density values respectively. Note the concordance between emergence time and bulk density.

Adult and Juvenile Terrapins: The Ohio University researchers and MES assisted in the capture of 17 adult females and 9 juvenile terrapins on the PIERP during the 2007 nesting season. Researchers marked all females with PIT tags and a monel metal tag in the 9th marginal scute on the right side. These data can be found in Appendix 3. One large female was a recapture and had been marked the previous year. A terrapin was recaptured dead, formerly one of the Arlington Echo head-start animals.

Researchers also PIT tagged terrapins that were part of the AE program. Researchers tagged, sexed, and processed 177 terrapins in early May 2008 (Appendix 4). Prior to PIT tagging, endoscopies were performed on these animals to determine their

sex. Of the 177 animals that were part of the AE program, 146 were females, 18 were males and 13 remained undetermined. This finding indicates that the sex ratio of terrapins on the PIERP was biased toward females during the 2007 nesting season. It also suggests that incubation temperatures in most of the nests averaged above the threshold temperature of 28.2 C (temperatures that produce mixed sex ratios when incubated under constant laboratory conditions [Jeyasuria et al., 1994]). Incubating terrapin eggs above 30.0 C results in all females in the laboratory (Jeyasuria et a.., 1994). Two to three weeks following the endoscopic surgery and PIT tagging, the hatchlings were transported to the PIERP and were released in the notch area. Two AE hatchlings died accidentally during the rearing phase of the project and one died shortly after the endoscopic surgery, most likely as a result of the procedure.

CONCLUSIONS

The number of terrapin nests discovered by the research team during 2007 increased by almost 18% in comparison to 2006. Although this increase is substantial, we cannot rule out the possibility that the increase was due to variation in the researchers ability to find nests. Weekend rains hampered the researcher's ability to find nests in 2006 and contributed to fewer nests compared to 2005 and 2007. During the last 4 years, researchers have found an average of 200 nests per year; suggesting that the adult female population using the PIERP for nesting is probably between 70-100 adult females. This is based on a maximum reproductive output of three clutches per year per female as has been observed in the Patuxent River population (Roosenburg and Dunham, 1997). Additionally, the 2007 nesting season resulted in a record number of 1616 hatchlings (summing fall 2007 and spring 2008 emerging nests). The number of hatchlings increased because the preemptive predator control of placing hardware cloth over the nest to deter predation by crows. Additionally, the 2007-2008 over-wintering survival of nests was higher than the previous winters. As a result, researchers marked and released more than 500 hatchlings in the spring of 2008, a 67% increase over the previous year's over-wintering hatchling total.

During the six years of nesting surveys, researchers have observed an increase in the number of terrapin nests. However, the number of nests appears to have stabilized during the last four years suggesting that the adult population in the archipelago is stable. Because of the high recruitment on the PIERP, an increase in the nesting population is anticipated but the 8 years required for females to reach reproductive maturity indicates that the increase should not be anticipated until 2010. Not until after 2010 will it be possible to determine whether the terrapin population in the archipelago is near its carrying capacity or has the potential for further growth. Ohio University researchers suspect that the long-term nesting stability on the island is most likely due to the resident population of females in the archipelago that formerly nested on Coaches and Jefferson Island and is now nesting on the PIERP.

During 2007, the researchers surveyed nesting areas twice daily surveys. This was possible because Melanie Heckman was dedicated full-time to locating terrapin nests and Ohio University researchers assisted her throughout the nesting season. Additionally,

Melanie was able to identify 36 nests that she discovered by noting hatchlings emerging after the nesting season had ended. Many of these nests probably were laid over the weekend when nesting surveys could not be completed.

The PIERP has provided excellent nesting habitat since the completion of the perimeter dike. Nest survivorship remains high on the PIERP relative to the Patuxent River mainland population (Roosenburg, 1991). Fortunately, the decrease in nest survivorship observed during the previous two years at the PIERP was reversed by the preemptive use of hardware cloth laid over the nest to deter predation by crows. During the 2004 nesting season, researchers noticed increased predation of nests by a small mammal that preyed on nests as the hatchlings emerged. In 2005, the researchers noticed that crows had learned to locate terrapin nests and excavate them. The crows depredated several nests outside Cell 5 and in the notch area. During 2005 most of the avian predation did not destroy all of the eggs in the nest. Rather, the excavation and exposure of the remaining eggs to higher than normal temperatures may killed the embryos. Whenever possible, researchers reburied exposed nests in the hope that the eggs had not gotten too hot. In 2006, the predation of nests by crows continued and researchers began protecting nests to reduce the predation rate because the predators had become efficient at destroying the entire nest before it was protected.

Hatchling survivorship, like nest survivorship remains high on the PIERP relative to the mainland. During 2003, nest survivorship was 71% (Roosenburg et al., 2004) compared to 72% in 2004 (Roosenburg et al., 2005). The rate decreased to 67% in 2005 and 61.9% in 2006, but increased to 73.7% in 2007 because of the immediate and constant use of predator deterrents. Within-nest hatchling survivorship has fluctuated among years from 93% in 2003 (Roosenburg et al., 2004) to 71% in 2004 (Roosenburg et al., 2005). Survivorship decreased in 2005 and 2006 to 66.2% and 65.7%, then rose to 79.6% for fall 2007 emerging nests and 81.9% for spring 2008 emerging nests. Only in the 2006 has survivorship of over-wintering nests been lower than fall emerging nests (Roosenburg et al., 2006). The high within-nest survivorship for 2007 was in part due to the prevention of partial predation of nests that frequently results in exposing eggs to lethal temperatures.

Raccoons, foxes, and otters are known terrapin nest predators and contribute to low nest survivorship in areas where these predators occur, sometimes depredating 95% of the nests (Roosenburg, 1994). The lack of raccoons on the PIERP also minimizes the risk to nesting females (Seigel, 1980; Roosenburg pers. obs.). The absence of efficient nest and adult predators on the PIERP generated nest and adult survivorship rates that are much higher than in analogous nesting areas with efficient predators. As was similarly observed in 2002 through 2006 (Roosenburg and Allman, 2003; Roosenburg et al., 2004; 2005; 2007; Roosenburg and Sullivan, 2006), the survivorship of known nests in 2007 was much higher than normally encountered for terrapins because of the lack of nest predators on the PIERP. The PIERP's lack of predators and nest protection practices are thus successfully creating terrapin nesting habitat with low predation pressure.

As observed in summer 2002 through 2006 (Roosenburg and Allman, 2003; Roosenburg et al., 2004; Roosenburg and Sullivan, 2006; Roosenburg et al., 2007), terrapin nesting on the PIERP occurred in areas where terrapins could easily access potential nesting sites; areas where the perimeter dike is made of earthen material or sand has accreted on the outside of the dike. These areas are outside of Cells 3 and 5, inside Cell 6, and the notch. In 2004, the erosion fence along the dike around Cell 5 was extended to include the entire notch. The erosion fence prevented terrapins from crossing the road and nesting within Cell 4 as they did in 2003. Although this fence effectively prevents terrapins from nesting inside Cells 4 and 5, it also prevents females from locating a preferred nesting site as females to lay their nests at the base of the fence . The large stone used for the remainder of the perimeter dike is a barrier that prevents terrapins from accessing potential nesting sites elsewhere on the island. As wetland cells are completed, and the exterior dikes are breached to provide water flow, terrapins are likely to follow and begin nesting on interior parts of the island. Researchers began walking the inside of the dike in Cell 4DX with the hope of finding evidence of nesting activity. Unfortunately, no evidence of nesting was observed in this area. However, several female terrapins have been captured on the dike between Cell 3A and 4DX. Furthermore, upon the completion of the perimeter dike and closure of Cell 6, researchers anticipate that terrapin nesting in Cell 6 will decline.

The PIERP produced a record 1,616 hatchlings during the 2007 nesting season. Hatchlings started emerging from the nests on 2 August 2007; the last hatchlings were excavated on 31 March and 1 April 2008. Researchers released all of the hatchlings in Cell 4DX and Cell 3D, however, many of the hatchlings released in September and October 2007 clearly preferred to stay on land as opposed to remaining in the water. These hatchlings actively left the water and sought higher ground. These observations are similar to those of terrapin populations in New York where the hatchlings that emerge from their nests in the fall spend their winters in terrestrial environments below the surface, sometimes buried up to 10 cm (Draud, 2004, pers. comm.). The terrestrial orientation of hatchlings may reduce predation or avoid freezing in shallow marsh habitats. This behavior is potentially problematic on the PIERP because these hatchlings may use terrestrial dispersal routes to enter cells that are targeted for filling in the upcoming fall and winter. The presence of hatchling remains on both sides of the fence in the notch and the outside of Cell 5 corroborate the terrestrial dispersal of terrapin hatchlings.

The hatchlings produced on the PIERP in 2007 were similar in size and weight to those captured during previous studies in the Patuxent River in Maryland (Roosenburg, 1992) and in previous years on the PIERP. However, in 2006 and 2007 researchers detected a slight decrease in mean hatchling size when corrected for egg mass. This was most likely due to a dryer nesting season in 2006 and 2007. Dryer incubation condition cause smaller hatchlings when incubated under constant laboratory conditions (Packard and Packard, 1988). The frequency of shell scute anomalies was 29.7% during 2007 higher than terrapin populations in New Jersey (10%; Herlands et al., 2004). A high frequency of shell scute anomalies was also observed in 2002 through 2006 (Roosenburg and Allman, 2003, Roosenburg et al., 2004, Roosenburg et al., 2005), particularly in 2005

when 32% of the hatchlings had shell anomalies (Roosenburg and Sullivan 2006). Warmer incubation temperatures are known to cause higher frequencies of shell scute anomalies in terrapins (Herlands et al., 2004). The high frequency of shell scute anomalies in the PIERP hatchlings could be due, in part, to the limited vegetation on the PIERP that could provide shaded, cooler incubation environments (Jeyasuria et al., 1994). Although shell anomalies have been associated with higher incubation temperatures, there is no evidence to suggest that these anomalies have any detrimental effects on terrapins or other turtle species. Anomalies occur at higher frequency in female terrapins than in males and may be linked to temperature-dependent sex determination (TSD). For terrapins, warmer incubation temperatures produce females, and cooler conditions produce males (Jeyasuria et al., 1994; Roosenburg and Kelly, 1996). The higher frequency of anomalies may indirectly indicate that the PIERP may be producing a higher than average number of female hatchlings. Continued monitoring of the PIERP terrapins will be able to reject this hypothesis.

During the winter of 2007-2008, a significant number of nests over-wintered successfully. The recovery of 505 hatchlings from 50 of the 60 over-wintering nests confirms over-wintering as a successful strategy used by some terrapin hatchlings. Researchers performed additional studies of facultative over-wintering in the nest by terrapin hatchlings as described in the Results and Discussion Section. They discovered that in only one of the three years examined (2006) the lay date affected whether a nest over-wintered. During 2005 and 2007, no lay date effect was detected. The only soil characteristic that affected over-wintering was bulk density, which is a measure of the amount of compaction of the soil in the area of the nest. Nests with greater bulk density (greater compaction) had a greater likelihood of over-wintering. This finding suggests that over-wintering may be a function of the hatchling's ability to dig itself out of the nest. In the fall, soils tend to be dryer and more compact than in the spring when they are moister and therefore looser, suggesting that over-wintering depends on nest site selection by the female. Continued studies of over-wintering and spring emergence will be conducted to better understand the effect of over-wintering of the terrapin's fitness, life cycle, and natural history. The PIERP offers a wonderful opportunity to study terrapin over-wintering because of the large number of nests that survive predation.

The educational program conducted in collaboration with the AE Outdoor Education Center successfully head started the terrapins to facilitate sex determination. Students increased the size of the hatchlings they raised to sizes characteristic of 2-3 year old terrapins in the wild. Additionally, researchers subsequently obtained sex ratio data from the hatchlings because they were large enough for laparoscopic surgery. The sex ratio of PIERP hatchlings from 2006 and 2007 was heavily female biased. Furthermore, because these hatchlings were PIT tagged, the researchers intend to follow the fate of these hatchlings over the years. An integral part of this project will be to compare survivorship of naturally released hatchlings versus head start animals that potentially have reached sizes that decrease predation vulnerability. To address this question, a multi-year mark-recapture study is needed within the Poplar Island Archipelago. The researchers will initiate this portion of the terrapin monitoring program during the spring and summer of 2009.

The initial success of terrapin nesting on the PIERP indicates that similar projects also may create suitable terrapin nesting habitat. Although, measures are taken on the PIERP to protect nests, similar habitat creation projects should have high nest success until raccoons or foxes colonize the project. Throughout their range, terrapin populations are threatened by loss of nesting habitat to development and shoreline stabilization (Roosenburg, 1991; Siegel and Gibbons, 1995). Projects such as the PIERP combine the beneficial use of dredged material with ecological restoration, and can create habitat similar to what has been lost to erosion and human practices. With proper management, areas like the PIERP may become areas of concentration for species such as terrapins, thus becoming source populations for the recovery of terrapins throughout the Bay.

The PIERP Framework Monitoring Document (FMD) identifies three goals for the terrapin monitoring program. First, monitoring of terrapin nesting activity and habitat use will quantify terrapin activity on the PIERP. The current monitoring program is detailing widespread use of the island by terrapins meeting this objective; evidenced by comparable number of nests found relative to mainland sites in the Patuxent River as well as the 2006 recovery of a hatchling terrapin marked on the PIERP in 2004. Furthermore, the consistency in the number of nests from 2004-2007 indicates that there has been little change terrapin nests supporting hypothesis one from the FMD of no change in the number of nests among years. The second objective is to determine the suitability of the habitat for terrapin nesting. The high nest success and hatching rates on the PIERP indicate the island provides high quality terrapin nesting habitat, albeit limited in availability because of the rock perimeter dike around most of the island. Hypothesis two from the FMD comparing nest success, hatchling survivorship, and sex ratio between the PIERP and mainland sites can be rejected. Nest success and hatchling survivorship is much higher on the PIERP because of the lack of major nest predators. Similarly, sex ratio is highly female biased. The final goal identified by the FMD is to determine if the project is affecting terrapin population dynamics. To evaluate this effect, researchers must also conduct a mark-recapture study in combination with the continued monitoring of nesting activity. The suitability wetland recreation as juvenile habitat remains to be determined. At this time data are not available to test the third hypothesis of the FMP that evaluates changes in terrapin population size in response to the project. The stability of nesting activity on the PIERP over the past six years strongly indicates the positive effect of the project. However, this nesting survey only monitors one segment of the life cycle of the long-lived terrapin, and has not yet continued long enough to see the reproductive influence from hatchlings from the PIERP.

RECOMMENDATIONS

Terrapins will continue to use the PIERP for nesting. However, some short and long-term measures can be taken to improve nesting habitat on the island. First, the northeast expansion of the PIERP to be implemented in 2010 provides the opportunity to create more terrapin nesting habitat in the sheltered areas of Poplar Harbor. Additionally, nesting areas without marsh and beach grasses could be provided for terrapin nesting habitat within the cells under construction. Nesting habitat with no or limited vegetation is preferred by terrapins (Roosenburg, 1996). Because terrapins avoid nesting in areas

with dense vegetation (Roosenburg 1996), providing open, sandy areas on the seaward side of the dikes should reduce efforts by terrapins to enter cells under construction to find suitable, open areas. Second, predator control on the island will be paramount to the continued success of terrapin recruitment. Minimizing raccoon and fox populations will maintain the high levels of nest survivorship observed in 2002 through 2007. The increase in nest success due to screens over the nests also is an effective mechanism to reduce crow predation. A sustained program to eliminate mammalian predators and prevent avian predation will facilitate continued terrapin nesting success on the PIERP. Third, Ohio University researchers should continue to investigate hatchling over-wintering on the PIERP, a study aided by the high nest survivorship on the PIERP. Fourth, because more than 5,800 hatchlings and an additional 500 head-started terrapins have been released on the PIERP, there is an excellent opportunity to conduct a mark-recapture study to determine 1) survivorship of hatchlings 2) and a comparison of head-started to immediately released hatchlings. Ohio University researchers are currently in the process of obtaining additional funding to initiate this work during the summer of 2009. Finally, efforts to promote the use of by-catch reduction devices (BRDs) on crab pots fished in and around the PIERP archipelago will increase adult survivorship. Crab pots drown terrapins and can have dramatic effects on their populations (reviewed in Roosenburg 2004). Ohio University researchers have had a BRD research program and ongoing dialogue with MD DNR about instituting the use of BRDs in the commercial fishery. Instituting such a conservation program would be consistent with regulation efforts to close the commercial terrapin fishery. Promoting or requiring the use of BRDs in the PIERP archipelago could greatly reduce the mortality of juvenile female and male terrapins and the PIERP may be an excellent opportunity to initiate such a program in an experimental context. The four recommendations offered above will contribute to the continuing and increasing understanding of the effect of the PIERP on terrapin populations.

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Nest #	Date	Latitude	Longitude	Cell	Expos-ure	Area	Clutch Size	Clutch Mass	Mean Egg Mass	Hatch-ling	Comments
1	6/4/2007	38 45.021	76 22.151	5	Semi Shade	Edge					Egg shells found- Predator probably crow
2	6/4/2007	38 45.058	76 22.271	5	Sun	Edge	11	114.5	10.41	9	
3	6/4/2007	38 45.084	76 22.304	5	Sun	Edge	11	98.3	8.94	11	
4	6/4/2007	38 45.084	76 22.303	5	Sun	Edge	13	127.6	9.82		small hole under rat wire- small rodent? No eggs or shells left
5	6/4/2007	38 45.092	76 22.331	5	Sun	Edge	15	121.1	8.07	9	
6	6/4/2007	38 45.080	76 22.37	5	Sun	Edge	14	145	11.15		unable to determine predator but likely small mammal
7	6/5/2007	38 45.082	76 22.464	notch	Sun	Edge	11	102.2	10.22	10	* mass of only 10 eggs was recorded
8	6/5/2007	38 45.073	76 22.397	notch	Sun	Edge	12	126.5	10.54	12	
9	6/5/2007	38 45.085	76 22.306	5N	Sun	Edge	3				nest partially destroyed or female disturbed 3 eggs remain./ Nest fully eaten, progably bird no eggs left
10	6/5/2007	38 45.076	76 22.285	5N	Shade	Edge	12	118.3	9.86	12	Partial predation snake? Possible early emergence?
11	6/5/2007	38 45.048	76 22.216	5M	Sun	Edge				2	too old to dig
12	6/5/2007	38 45.032	76 22.154	5M	Sun	Edge	15	129.9	8.66		dug no eggs 7/2/2007
13	6/5/2007	38 45.000	76 22.131	5S	Sun	Edge	14	135.6	9.69		
14	6/5/2007	38 44.986	76 22.072	5S	Shade	Open	17	158.6	9.33	14	
15	6/7/2007	38 45.074	76 22.459	5N	Sun	Edge	17	246.4	14.49	9	Just laid as found by PI 34
16	6/7/2007	38 45.095	76 22.339	5N	Sun	Edge	15	133.8	8.92	15	
17	6/7/2007	38 45.102	76 22.480	5N	Sun	Edge	15	140.9	9.39	8	partial predation 6/13. Laid by PI 35
18	6/8/2007	38 45.406	76 23.338	6	Semi Shade	Edge	12	119.2	9.93	7	on dike past old fuel farm, near curve of 6 where meets upland cell
19	6/8/2007	38 45.088	76 22.298	5M	Sun	Edge	13	136.4	10.49	12	
20	6/8/2007	38 45.642	76 22.796	3	Sun	Open	10	109.4	10.94		
21	6/11/2007	38 45.658	76 22.809	3	Sun	Open	12	128.7	10.73	11	
22	6/11/2007	38 45.067	76 22.427	notch	Semi Shade	Edge				14	
23	6/11/2007	38 45.076	76 22.391	5 notch	Sun	Edge	10	108	10.80	10	
24	6/11/2007	38 45.076	76 22.391	5 notch	Semi Shade	Edge	10	95.5	9.55	9	
25	6/11/2007	38 45.088	76 22.371	5 notch	Semi Shade	Edge	10	109	10.90	8	
26	6/11/2007	38 45.090	76 22.319	5 N	Sun	Edge	10	107.8	10.78	6	
27	6/11/2007	38 45.024	76 22.156	5M	Sun	Edge	11	120	10.91	12	
28	6/11/2007	38 45.008	76 22.119	5M	Sun	Edge	13	137	10.54	11	
29	6/11/2007	38 44.978	76 22.044	5S	Sun	Open	old			6	
30	6/11/2007	38 44.971	76 22.025	5S	Sun	Open	10	99.1	9.91	2	

Nest #	Date	Latitude	Longitude	Cell	Expos-ure	Area	Clutch Size	Clutch Mass	Mean Egg Mass	Hatch-ling	Comments
31	6/11/2007	38 44.963	76 22.007	5S	Sun	Open				7	
32	6/11/2007	38 45.670	76 22.809	3	Sun	Open	10	106.4	10.64		inundated 6/14/2007
33	6/12/2007	38 44.985	76 22.058	5S	Sun	Open				14	older nest
34	6/12/2007	38 45.076	76 22.386	5 notch	Sun	Edge	14	134.1	9.58	12	
35	6/13/2007	38 45.238	76 22.862	6S	Sun	Open	17	166.3	9.78	1	
36	6/13/2007	38 44.793	76 22.988	6W	Sun	Open	15	142.3	9.49		
37	6/13/2007	38 45.060	76 22.217	5N	Sun	Edge	17	152.9	8.99	14	laid by PI 39, 1 egg laid in turtle shed
38	6/13/2007	38 45.103	76 22.478	5	Sun	Edge	15	152.2	10.15	11	
39	6/18/2007	38 45.067	76 22.442	5	Sun	Edge	13	115.1	8.85		partially predated 6/19
40	6/18/2007	38 45.066	76 22.426	5	Sun	Edge	13	119.1	9.16	9	
41	6/18/2007	38 45.066	76 22.423	5	Sun	Open	14	140.4	10.03	7	
42	6/18/2007	38 45.073	76 22.389	5	Sun	Open	19	182.5	9.61	19	
43	6/18/2007	38 45.007	76 22.113	5M	Sun	Open					
44	6/18/2007	38 44.968	76 22.014	5S	Sun	Open				10	
45	6/18/2007	38 44.959	76 21.993	5S	Sun	Open	12	127.3	10.61	12	
46	6/18/2007	38 45.320	76 22.946	6E	Sun	Open	16	151.9	9.49	16	
47	6/18/2007	38 45.224	76 22.848	6E	Sun	Open	16	130.5	8.70	4	1 egg broken during excavation, scale iffy
48	6/19/2007	38 45.660	76 22.807	6E	Sun	Open	11	119	10.82	10	
49	6/19/2007	38 45.068	76 22.374	5	Semi Shade	Open	14	156.4	11.17	14	*clutch size said 13 on hard copy but mass for 14 eggs
50	6/19/2007	38 45.089	76 55.327	5N	Sun	Open	16	152.4	9.53	15	
51	6/19/2007	38 45.021	76 22.153	5M	Sun	Edge	12	88.6	8.86	1	2 broken eggs, partial predated 6/20/2007
52	6/19/2007	38 45.015	76 22.138	5M	Sun	Edge	11	114.3	10.39	11	
53	6/19/2007	38 45.005	76 22.108	5S	Semi Shade	Edge				2	old nest
54	6/19/2007	38 44.856	76 22.554	5	Sun	Open	13	119.3	9.18	12	center dyke
55	6/21/2007	38 44.967	76 22.018	5S	Sun	Open				14	
56	6/21/2007	38 45.048	76 22.216	5M	Sun	Edge	15	130.9	8.73	12	eggs 10 , 12, 13- pinched, eggs 14 & 15- soft with tails
57	6/21/2007	38 45.638	76 22.794	3	Sun	Open	14	137.4	9.81	14	
58	6/22/2007	38 45.077	76 22.372	5	Sun	Open				11	
59	6/22/2007	38 45.048	76 22.205	5M	Sun	Edge	9	95.8	10.64	1	eggs 1 & 9 - tails, eggshells from prefious year, 6.26.2007 partially predated
60	6/22/2007	38 45.640	76 22.795	3	Sun	Open	15	156	10.40	15	
61	6/25/2007	38 45.673	76 22.809	3	Sun	Open	18	177.4	9.86	14	between rocks

Nest #	Date	Latitude	Longitude	Cell	Expos-ure	Area	Clutch Size	Clutch Mass	Mean Egg Mass	Hatch-ling	Comments
62	6/25/2007	38 45.091	76 22.479	notch	Sun	Open	19	167.2	8.80	14	
63	6/25/2007	38 45.069	76 22.416	notch	Sun	Edge	12	109.5	9.13	10	
64	6/25/2007	38 45.071	76 22.396	notch	Sun	Edge	16	169.4	10.59	14	
65	6/25/2007	38 45.072	76 22.393	notch	Semi	Open	18	167.6	9.31	12	6.27.2007 partially predated
66	6/25/2007	38 45.077	76 22.383	notch	Sun	Edge				13	
67	6/25/2007	38 45.084	76 22.371	notch	Semi Shade	Edge	14	129.4	9.24	13	
68	6/25/2007	38 45.096	76 22.326	5N	Sun	Open				8	
69	6/25/2007	38 45.097	76 22.316	5N	Sun	Open	14	131.4	9.39	14	
70	6/25/2007	38 45.089	76 22.313	5N	Sun	Edge	15	132.9	8.86	11	
71	6/25/2007	38 45.052	76 22.225	5N	Sun	Open	11	104.8	9.53	9	
72	6/25/2007	38 45.002	76 22.099	5S	Sun	Open	11	113.6	10.33	8	
73	6/25/2007	38 44.998	76 22.075	5S	Sun	Edge				4	
74	6/25/2007	38 44.981	76 22.055	5S	Semi	Open				3	
75	6/25/2007	38 44.970	76 22.055	5S	Sun	Open	14	131.6	9.40	1	
76	6/25/2007	38 44.970	76 22.019	5S	Sun	Edge				11	
77	6/25/2007	38 44.92	76 21.999	5S	Semi	Edge	9	86.1	9.57	10	
78	6/25/2007	38 45.135	76 22.811	6E	Sun	Open				2	
79	6/25/2007	38 45.166	76 22.807	6E	Sun	Open				11	
80	6/25/2007	38 45.272	76 22.289	6W	Sun	Open				13	
81	6/26/2007	38 45.654	76 22.806	3	Sun	Open	13	125.6	9.66	3	
82	6/26/2007	38 45.081	76 22.452	notch	Sun	Open				3	found abandoned on partly predated
83	6/26/2007	38 45.070	76 22.394	notch	Semi	Edge	1	9.4	9.40	1	partial predation, abandoned likely predated dug up as if fox
84	6/26/2007	38 45.040	76 22.178	5M	Sun	Open	4	40.5	10.13	4	possibly predated, looks abandoned, no egg shells
85	6/26/2007	38 45.020	76 22.146	5M	Sun	Open	14	141.3	10.09	14	
86	6/26/2007	38 44.989	76 22.074	5S	Sun	Open	10	108.3	10.83	10	
87	6/26/2007	38 44.977	76 22.043	5S	Sun	Open	14	152.9	10.92	5	
88	6/26/2007	38 44.964	76 22.008	5S	Sun	Open	15	143.3	9.55	15	
89	6/26/2007	38 45.049	76 22.222	5M	Semi	Edge	11	122.3	11.12	10	
90	6/27/2007	38 45.624	76 22.783	3	Sun	Open				5	eggs completely white
91	6/27/2007	38 45.669	76 22.808	3	Sun	Open					clutch size 9? Eggs had little to no shells

Nest #	Date	Latitude	Longitude	Cell	Expos-ure	Area	Clutch Size	Clutch Mass	Mean Egg Mass	Hatch-ling	Comments
92	6/27/2007	38 45.214	76 22.423	notch	Semi	Open					crow 2 egg shells
93	6/27/2007	38 45.099	76 22.331	5N	Sun	Open				7	
94	6/27/2007	38 44.959	76 22.994	5S	Sun	Open	14	137.7	9.84	13	
95	6/28/2007	38 45.071	76 22.451	5N	Sun	Edge				10	
96	6/28/2007	38 45.231	76 22.849	6E	Sun	Open	15	143.4	9.56	15	
97	6/28/2007	38 45.081	76 22.229	5N	Sun	Edge	15	156.4	10.43	12	
98	7/2/2007	38 45.188	76 22.442	notch	Sun	Edge				12	
99	7/2/2007	38 45.141	76 22.476	notch	Semi	Edge				8	
100	7/2/2007	38 45.109	76 22.479	notch	Semi	Edge					
101	7/2/2007	38 45.080	76 22.373	notch	Sun	Open					dug out and predated from side
102	7/2/2007	38 45.094	76 22.353	notch	Sun	Open	12	138.1	11.51	11	
103	7/3/2007	38 45.100	76 22.479	notch	Sun	Edge				5	
104	7/4/2007	38 45.096	76 22.329	5N	Sun	Open	14	129.6	9.26	13	
105	7/4/2007	38 45.027	76 22.168	5M	Sun	Open	12	159.4	13.28	12	egg 2- like 2 eggs fused end to end (peanut)
106	7/4/2007	38 44.968	76 21.987	5S	Sun	Open	14	111.7	7.98	3	
107	7/4/2007	38 44.978	76 22.046	5S	Semi	Open	14	126.7	9.05	13	
108	7/4/2007	38 45.025	76 22.152	5M	Sun	Edge	16	137.3	9.15	15	1 broken egg before excavation
109	7/5/2007	38 45.639	76 22.796	3	Sun	Open	13	137.4	10.57	9	
110	7/5/2007	38 45.102	76 22.478	notch	Semi	Edge				8	
111	7/6/2007	38 45.086	76 22.311	5N	Sun	Edge	15	146.4	9.76	15	
112	7/6/2007	38 45.331	76 22.954	6E	Sun	Open	13	137.8	10.60	11	egg 1 tail
113	7/6/2007	38 45.071	76 22.273	5N	Sun	Edge	13	140.8	10.83	12	
114	7/6/2007	38 45.066	76 22.418	notch	Semi	Edge	17	175.4	10.32		destroyed 7.9.2007 likely snake
115	7/6/2007	38 45.648	76 22.801	3	Sun	Open	10	88.9	8.89	10	
116	7/9/2007	38 45.625	76 22.784	3	Sun	Open	11	111	10.09	12	
117	7/9/2007	38 45.627	76 22.787	3	Sun	Open				10	
118	7/9/2007	38 45.640	76 22.796	3	Sun	Open	16	165.2	10.33	15	
119	7/9/2007	38 45.652	76 22.804	3	Sun	Open				8	
120	7/9/2007	38 45.670	76 22.807	3	Sun	Open	13	137.1	10.55	11	

Nest #	Date	Latitude	Longitude	Cell	Expos-ure	Area	Clutch Size	Clutch Mass	Mean Egg Mass	Hatch-ling	Comments
121	7/9/2007	38 45.669	76 22.808	3	Sun	Open				10	
122	7/9/2007	38 45.086	76 22.469	notch	Sun	Open				11	
123	7/9/2007	38 45.032	76 22.462	notch	Sun	Open	11	118.1	10.74	9	
124	7/9/2007	38 45.070	76 22.430	notch	Sun	Edge				11	
125	7/9/2007	38 45.096	76 22.329	5N	Sun	Open	15	142.8	9.52	10	laid by PI 43
126	7/9/2007	38 45.094	76 22.325	5N	Sun	Edge	15	151.3	10.09	11	
127	7/9/2007	38 45.059	76 22.324	5N	Sun	Open	3 +				fox or crow 3 egg shells
128	7/9/2007	38 45.084	76 22.306	5N	Sun	Edge	13	137.1	10.55	10	
129	7/9/2007	38 45.084	76 22.298	5N	Sun	Edge				9	
130	7/9/2007	38 45.049	76 22.215	5M	Sun	Edge				11	
131	7/9/2007	38 45.045	76 22.203	5M	Sun	Edge	16	171.8	10.74		
132	7/9/2007	38 45.028	76 22.162	5M	Sun	Open				7	
133	7/9/2007	38 45.016	76 22.156	5M							
134	7/9/2007	38 44.981	76 22.061	5S	Sun	Edge	13	128	9.85	12	
135	7/9/2007	38 44.982	76 22.049	5S	Sun	Open				11	
136	7/9/2007	38 44.980	76 22.045	5S	Sun	Open	13	123.5	9.50	6	
137	7/9/2007	38 44.967	76 22.012	5S	Sun	Edge	14	131.4	9.39	12	
138	7/9/2007	38 44.956	76 21.989	5S	Semi	Open				18	
139	7/9/2007	38 44.956	76 21.956	5S	Semi	Open				8	
140	7/9/2007	38 45.024	76 23.094	6W	Semi	Open				14	
141	7/9/2007	38 45.288	76 23.310	6W	Sun	Edge				11	
142	7/9/2007	38 45.375	76 22.996	6E	Sun	Open	14	146.5	10.46	8	
143	7/9/2007	38 45.236	76 22.364	6E	Sun	Open	10			8	7/10/2007 1 broken, 1 egg found outside nest
144	7/9/2007	38 45.033	76 22.666	6E	Sun	Open				15	
145	7/10/2007	38 45.655	76 22.806	3	Sun	Open	14	142.9	10.21	12	nest inbetween rocks
146	7/10/2007	38 45.049	76 22.212	5M	Sun	Open	12	115.8	10.53	10	1 egg broken
147	7/10/2007	38 44.981	76 22.040	5S	Sun	Open	15	151.5	10.10	15	
148	7/10/2007	38 45.231	76 22.854	6E	Sun	Open	12	108.6	9.05	11	
149	7/11/2007	38 45.163	76 22.466	notch	Sun	Edge	2+				found partially predated 1 egg shell
150	7/11/2007	38 45.075	76 22.454	notch	Sun	Edge	1+				found destroyed 1 egg shell
151	7/11/2007	38 45.082	76 22.292	5N	Sun	Open	1+				found destroyed 1 egg shell, fox

Nest #	Date	Latitude	Longitude	Cell	Expos-ure	Area	Clutch Size	Clutch Mass	Mean Egg Mass	Hatch-ling	Comments
152	7/11/2007	38 45.074	76 22.281	5N	Sun	Edge	15	152.1	10.14	10	egg 14 broken
153	7/12/2007	38 45.170	76 22.455	notch	Sun	Edge	9	113.8	12.64	5	laid by PI 26
154	7/12/2007	38 45.077	76 22.455	notch	Sun	Edge	18	171.2	9.51		snake destroyed nest, T logger gone
155	7/12/2007	38 45.068	76 22.411	notch	Semi	Edge	12	102.3	8.53		partial predation 7/16/2007 snake or racoon dug from side
156	7/12/2007	38 45.071	76 22.264	5N	Sun	Edge	14	133.5	9.54		egg 11 tiny crack, 7/13/2007 all eaten but 1, T logger gone
157	7/12/2007	38 45.062	76 22.244	5M	Sun	Edge	11	104.1	9.46	7	
158	7/16/2007	38 45.093	76 22.359	notch	Sun	Open				12	1 broken egg
159	7/16/2007	38 45.088	76 22.325	5N	Sun	Open					
160	7/16/2007	38 45.354	76 22.974	6E	Sun	Open				12	
161	7/16/2007	38 45.344	76 23.353	6W	Sun	Open	11	109.9	9.99	6	
162	7/17/2007	38 45.339	76 22.960	6E	Semi	Edge	12	100.8	8.40	11	
163	7/18/2007	38 45.630	76 22.785	3	Semi	Edge		84.3	12.04		eggs tucked under rocks & roots, cant find any more
164	7/18/2007	38 45.649	76 22.804	3	Semi	Open				12	
165	7/18/2007	38 45.667	76 22.804	3	Sun	Open	15	117.3	7.82	14	
166	7/18/2007	38 44.976	76 22.038	5S	Sun	Open	9	73.3	8.14	10	PI 46, 9:45 am
167	7/18/2007	38 44.959	76 22.003	5S	Sun	Open	14	96.2	8.75	13	
168	7/19/2007	38 45.625	76 22.782	3	Sun	Open	16	151.2	9.45		very close to water
169	7/19/2007	38 45.017	76 22.122	5M	Sun	Edge	12+	100.7	9.15	8	found partially depredated- otter, maybe fox 1 egg shell
170	7/19/2007	38 44.984	76 22.057	5S	Sun	Open	16	149.9	9.37	8	
171	7/19/2007	38 45.648	76 22.803	3	Sun	Open	12	117.7	9.81	12	
172	7/19/2007	38 45.653	76 22.804	3	Sun	Open	10	92.4	9.24	10	
173	7/20/2007	38 45.197	76 22.434	notch	Semi	Edge				12	
174	7/20/2007	38 45.134	76 22.477	notch	Sun	Edge	12	110.9	9.24	12	
175	7/20/2007	38 45.061	76 22.445	notch	Sun	Edge	1+				fox? 1 egg shell
176	7/20/2007	38 45.074	76 22.282	5N	Semi	Edge	1+				1 egg shell, raccoon
177	7/20/2007	38 45.075	76 22.278	5N	Sun	Edge	14	134.5	9.61	11	
178	7/20/2007	38 45.057	76 22.228	5N	Sun	Edge	14	138.3	9.88	1	
179	7/20/2007	38 44.986	76 22.041	5S	Sun	Edge	15	122.3	8.15	11	
180	7/20/2007	38 44.961	76 21.984	5S	Sun	Open	15	123.3	10.28	11	1 broken when laid
181	7/23/2007	38 45.253	76 23.226	6W	Sun	Edge	8	79.5	9.94	9	

Nest #	Date	Latitude	Longitude	Cell	Expos-ure	Area	Clutch Size	Clutch Mass	Mean Egg Mass	Hatch-ling	Comments
182	7/24/2007	38 45.008	76 22.111	5M	Sun	Edge	1+				1 eggshell snake or otter tracks
183	7/24/2007	38 44.971	76 22.024	5S	Sun	Open	15	139.3	9.29	15	
184	7/25/2007	38 45.051	76 22.220	5M	Sun	Open	13	126.8	9.75	12	
185	7/25/2007	38 45.165	76 22.804	6E	Sun	Open	11	92	8.36	10	nest in partial clay
186	7/26/2007	38 45.660	76 22.807	3	Sun	Open	9	84.6	9.40	8	
187	7/26/2007	38 45.086	76 22.3060	5N	Sun	Open	10	95.1	9.51	10	
188	7/26/2007	38 45.074	76 22.386	notch	Sun	Edge	old			10	laid 24 or 25 July , most likely covered with pieces of dead bird
189	7/27/2007	38 45.658	76 22.808	3	Sun	Open	11	115.9	10.54	11	
190	8/1/2007	38 44.978	76 22.045	5S	Semi	Open	6+			2	found after emergence, 4 tracks seen from here; slight excavation 2 maggot filled eggs. Excavated 8/14 1 dead egg. 15 egg shells
191	8/2/2007	38 45.665	76 22.807	3	Sun	Open	2+				shell - less eggs; 2 eggs w/ very soft shells, but very soft and partially white, so did not mass
192	8/2/2007	38 45.035	76 22.807	5N	Sun	Edge	4+			7	found emerging
193	8/2/2007	38 45.075	76 22.278	5N	Sun	Edge	4+			1	likely laid 203 days ago, 2 egg shells outside nest, #? Eggs inside, overrun by ants
194	8/4/2007	38 45.665	76 22.805	3	Sun	Open	6 tracks			3	6 tracks + hatchlings
195	8/5/2007	38 45.068	76 22.231	5M	Semi	Open	1+				found shell fragments & 1 dead egg
196	8/7/2007	38 44.989	76 22.068	5S	Sun	Open	13				nest relocated from: 38 76.613, 76 38.262, found on 3D habitat island by FWS excavators, relocated to 5S, eggs 75% white
197	8/8/2007	38 45.663	76 22.807	3	Sun	Open	8+				8+ tracks on emergence, may be completely emerged already
198	8/9/2007	38 45.091	76 22.319	5N	Sun	Edge					1 egg shell, 1 yoke egg
199	8/15/2007	38 45.197	76 22.429	5S	Sun	Open	8+				emerged, 8 eggshells + toad
200	8/15/2007	38 44.258	76 21.991	5S	Sun	Open	6+				1 egg shell, 6+ tracks
201	8/15/2007	38 44.958	76 21.991	5S	Sun	Open	14+				14 egg shells
202	8/15/2007	38 45.001	76 22.098	5S	Sun	Open	12+				12 egg shells
203	8/21/2007	38 45.628	76 22.786	3	Sun	Open	3+				some dead eggs, fragile & rotten, so did not excavate fully
204	8/22/2007	38 45.042	76 22.196	5M			12+				12 dead eggs with dead turtles inside
205	8/25/2007	38 45.625	76 22.784	3	Sun	Open	2+				found upon emergence 1 set of tracks, 1 hatchling found when digging, hatchling escaped from bag
206	8/25/2007	38 45.663	76 22.807	3	Sun	Open	6+				found upon emergence 6 set of tracks
207	8/27/2007	38 45.663	76 22.807	3	Sun	Open	12?				found upon emergence, 12 egg shells
208	8/27/2007	38 44.964	76 22.009	5S	Sun	Open	6+			1	found upon emergence, 6 tracks, 1 hatchling .3 m away
209	8/27/2007	38 44.962	76 22.005	5S	Semi	Open	1+			1	found upon emergence, tracks hole, 1 hatchling
210	8/28/2007	38 44.985	76 22.057	5S	Sun	Open	10+				8 tracks, 2+ dead eggs, found upon emergence
211	9/7/2007	38 44.971	76 22.022	5S							found upon emergence indeterminate # eggshells

Nest #	Date	Latitude	Longitude	Cell	Expos-ure	Area	Clutch Size	Clutch Mass	Mean Egg Mass	Hatch-ling	Comments
212	9/11/2007	38 44.988	76 22.058	5S							found upon emergence, indeterminate # of egg shells
213	9/12/2007	38 45.187	76 22.441	notch	Sun	Edge	9?				found upon emergence, 2 dead eggs, 7 egg shells
214	9/12/2007	38 45.012	76 22.123	5M	Semi	Open					found upon emergence, indeterminate # of egg shells
215	9/15/2007	38 45.091	76 22.322	5N	Semi	Edge					found upon emergence, indeterminate # of egg shells
216	9/19/2007	38 45.088	76 22.314	5N	Sun	Edge	13?				found upon emergence, 1 dead egg, approximately 12 egg shells
217	9/19/2007	38 45.068	76 22.246	5M	Sun	Open					found upon emergence, 1 dead egg, indeterminate # of egg shells
218	9/20/2007	38 45.085	76 22.308	5N	Sun	Edge					found upon emergence, indeterminate # of egg shells
219	9/22/2007	38 45.022	76 22.149	5M	Sun	Open					found upon emergence, indeterminate # of egg shells
220	10/15/2007	38 44.961	76 22.009	5S	Sun	Open	11?			1	found upon emergence, approximately 10 egg shells, 1 dead egg, 1 dead hatchling
221	10/9/2007	38 44.968	76 22.010	5S	Semi	Edge	9+?			2	found upon emergence, approximately 9 eggshells, 2 hatchlings
222	10/15/2007	38 45.078	76 22.457	notch							found upon emergence, indeterminate # of egg shells
223	10/29/2007	38 45.192	76 22.441	notch	Semi	Edge	2+				found upon emergence, 2 dead eggs, indeterminate # of eggs
224	10/29/2007	38 45.133	76 22.479	notch	Semi	Veg	3+				found upon emergence 3 dead egg, indeterminate # of eggshells
225	10/29/2007	38 45.076	76 22.455	notch	Sun	Edge					found upon emergence, indeterminate # of egg shells

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
8/2/2007	192	14654		12R11L	Nest	27.8	31.3	28.2	15.3	7.7	
8/2/2007	190	14655		12R11L	Nest	25.0	27.7	25.5	14.5	6.1	
8/2/2007	190	14657		12R11L	Nest	23.7	27.1	24.2	14.3	5.4	
8/2/2007	192	NA		12R11L	Nest	26.8	30.2	27.9	16.3	7.1	dead
8/4/2007	192	14659		12R11L	Nest	27.8	31.4	28.4	16.3	7.7	
8/4/2007	192	14660		12R11L	Nest	27.6	32.9	29.7	16.3	8.7	
8/5/2007	90	14662		12R11L	Nest	25.4	29.3	27.9	16.3	8.1	
8/5/2007	90	14664		12R11L	Nest	27.6	30.7	27.8	16.8	8.4	
8/5/2007	194	14665		12R11L	Nest	26.3	30.1	27.8	15.9	7.7	
8/5/2007	14	14667		12R11L	Nest	26.4	29.7	26.3	16.6	7.5	
8/5/2007	14	14668		12R11L	Nest	26.3	30.3	26.8	16.5	7.7	
8/5/2007	14	14670		12R11L	Nest	25.5	29.4	26.8	15.5	7.1	
8/5/2007	14	14672		12R11L	Nest	26.3	29.5	26.3	16.6	7.6	
8/5/2007	14	14673		12R11L	Nest	26.2	28.9	27.0	15.9	7.6	
8/5/2007	14	14675		12R11L	Nest	26.3	29.2	26.8	15.7	7.6	
8/5/2007	14	14677		12R11L	Nest	25.4	28.9	25.9	14.9	6.9	
8/5/2007	14	14678		12R11L	Nest	26.6	30.9	27.7	16.0	7.8	
8/6/2007	16	14680		12R11L	Nest	26.3	31.0	28.7	16.1	7.8	
8/6/2007	16	14681	14682	12R11L	Nest	26.6	31.1	28.1	15.0	7.6	
8/6/2007	16	14683		12R11L	Nest	26.0	30.7	28.3	15.9	7.1	
8/6/2007	16	14865		12R11L	Nest	26.5	30.3	28.1	15.4	7.4	
8/6/2007	16	14686	14687	12R11L	Nest	26.3	31.1	28.1	16.5	7.6	13 R marginals
8/6/2007	16	14688		12R11L	Nest	26.2	37.2	28.3	16.2	7.6	Ana. nuchal
8/6/2007	16	14690		12R11L	Nest	26.0	30.7	27.7	15.9	7.5	split nuchal
8/6/2007	16	14691	14692	12R11L	Nest	26.8	31.8	28.8	15.7	7.5	
8/6/2007	16	14693		12R11L	Nest	25.7	30.7	28.8	15.6	7.3	
8/6/2007	192	14694	14695	12R11L	Nest	28.9	31.1	28.7	16.4	8.4	split nuchal
8/6/2007	2	14696	14967	12R11L	Nest	28.8	31.6	27.9	16.0	8	split nuchal
8/6/2007	2	14698		12R11L	Nest	28.4	31.2	27.2	16.6	8.3	
8/6/2007	2	14700		12R11L	Nest	29.6	31.6	28.3	15.9	8.3	
8/6/2007	2	14701		12R11L	Nest	28.9	32.6	28.1	16.4	7.1	
8/6/2007	14	14703		12R11L	Nest	26.8	29.8	27.6	17.0	8.1	
8/6/2007	18	14739		12R11L	Nest	25.2	29.3	27.5	15.3	7.3	
8/6/2007	194	14706		12R11L	Nest	26.6	30.4	27.3	16.8	7.5	
8/6/2007	2	14707		12R11L	Nest	28.2	31.6	27.9	17.0	8.5	
8/6/2007	2	14708		12R11L	Nest	27.9	31.6	29.0	15.3	8	
8/6/2007	2	14709		12R11L	Nest	28.3	31.1	27.9	15.7	8	
8/6/2007	2	14713		12R11L	Nest	28.8	31.7	27.6	16.8	8.4	
8/6/2007	2	14715		12R11L	Nest	29.6	31.1	27.5	16.5	8	
8/7/2007	14	14714		12R11L	Nest	25.6	29.5	28.0	15.6	7.2	
8/7/2007	33	14719		12R11L	Nest	27.2	32.2	28.1	16.7	8.5	split nuchal
8/7/2007	33	14721		12R11L	Nest	28.7	32.7	27.8	16.3	8.5	
8/7/2007	33	14723		12R11L	Nest	28.1	32.2	28.3	16.1	8.6	split nuchal
8/7/2007	33	14724		12R11L	Nest	27.3	32.5	28.1	16.2	8.4	
8/7/2007	33	14726		12R11L	Nest	27.7	31.7	30.4	15.8	8.9	split nuchal
8/7/2007	33	14728		12R11L	Nest	27.7	32.5	28.5	15.8	8.6	
8/7/2007	33	14729		12R11L	Nest	27.8	31.6	28.1	16.1	8.4	split nuchal

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
8/7/2007	33	14731		12R11L	Nest	28.1	32.1	29.2	16.2	8.3	
8/7/2007	33	14732		12R11L	Nest	27.1	30.7	27.2	15.3	7.6	
8/7/2007	33	14734		12R11L	Nest	27.6	31.5	28.0	16.2	8.3	
8/7/2007	33	14736		12R11L	Nest	27.3	32.0	27.1	16.0	7.9	
8/7/2007	18	14716	14717	12R11L	Nest	24.9	29.1	26.2	15.6	6.7	
8/7/2007	33	14737		12R11L	Nest	28.1	32.8	29.5	15.4	8.5	
8/8/2007	28	14741		1R 12R 9L	Nest	27.7	32.1	28.4	16.8	8.8	
8/8/2007	28	14772		1R 12R 9L	Nest	27.9	31.7	27.8	17.0	8.2	
8/8/2007	28	14744		1R 12R 9L	Nest	27.4	31.5	28.1	15.8	8.3	
8/8/2007	28	14745		1R 12R 9L	Nest	28.4	31.3	27.7	16.6	8.5	
8/8/2007	28	14747		1R 12R 9L	Nest	27.5	31.4	27.7	16.4	8.1	
8/8/2007	28	14749		1R 12R 9L	Nest	29.1	32.3	29.1	16.4	9.1	
8/8/2007	28	14751		1R 12R 9L	Nest	27.6	31.2	28.0	16.8	8	
8/8/2007	28	14752		1R 12R 9L	Nest	27.3	32.6	29.0	17.7	8.7	
8/9/2007	7	14754		1R 12R 9L	Nest	28.3	31.9	28.5	15.8	8	
8/9/2007	7	14755		12R11L	Nest	28.1	31.7	28.3	16.3	8.1	
8/9/2007	7	14757		12R11L	Nest	28.1	31.5	28.4	16.1	7.8	
8/9/2007	7	14759		12R11L	Nest	28.1	31.8	28.4	16.3	7.9	
8/9/2007	7	14760		12R11L	Nest	28.2	32.2	28.6	16.2	8.1	
8/9/2007	7	14762		12R11L	Nest	27.8	30.9	27.5	15.8	7.5	
8/9/2007	7	14764		2R 3E 12R 9L	Nest	28.9	32.5	29.8	15.7	8.1	scalpel slipped
8/9/2007	7	14765		12R11L	Nest	28.8	32.0	28.1	16.2	8	
8/9/2007	7	14767		2R 12R 9L	Nest	28.2	32.0	28.3	16.0	8.3	
8/9/2007	7	14768		12R11L	Nest	28.1	31.6	27.2	16.2	7.8	
8/9/2007	23	14770		3R 12R 9L	Nest	27.7	31.2	28.0	16.6	8.1	
8/9/2007	23	14772		12R11L	Nest	28.0	31.6	27.2	16.7	8.3	
8/9/2007	23	14774		12R11L	Nest	27.6	30.7	26.3	15.7	7.3	
8/9/2007	23	14775		12R11L	Nest	27.3	32.3	28.6	16.4	8.7	
8/9/2007	23	14777		12R11L	Nest	27.8	31.5	27.4	16.0	8.2	
8/9/2007	23	14778		12R11L	Nest	27.5	31.2	27.7	15.8	8	
8/9/2007	23	14780		12R11L	Nest	27.1	30.7	26.8	16.1	7.9	
8/9/2007	23	14781		12R11L	Nest	27.8	31.1	28.1	16.2	8.1	
8/9/2007	23	14783		12R11L	Nest	27.6	32.7	28.1	16.7	8.5	
8/9/2007	23	14785		12R11L	Nest	28.0	31.4	27.7	16.0	8.1	
8/9/2007	16	14786		12R11L	Nest	26.8	31.0	28.6	16.0	7.4	
8/9/2007	28	14788		1R 12R 9L	Nest	27.8	31.5	28.0	16.4	8.3	
8/9/2007	28	14790		12R11L	Nest	27.7	31.6	28.2	26.6	8.3	written like this
8/9/2007	33	14791		12R11L	Nest	27.9	31.9	28.7	15.6	8.1	
8/9/2007	33	14793		12R11L	Nest	28.1	32.5	28.4	16.2	8.5	split nuchal
8/9/2007	30	14795		12R11L	Nest	27.6	31.1	27.7	16.1	7.7	
8/9/2007	30	14796		12R11L	Nest	26.7	31.2	28.1	15.4	7.8	
8/10/2007	194	14798		12R11L	Nest	26.7	30.0	28.8	16.7	7.7	
8/12/2007	90	14800		12R11L	Nest	23.4	30.0	27.7	16.6	7.4	Ana V5, deep grooves on PL
8/12/2007	31	14801		12R11L	Nest	26.7	30.1	28.8	15.6	8	
8/12/2007	31	14803		12R11L	Nest	28.8	32.2	28.8	16.6	8.2	
8/13/2007	14	14804		12R11L	Nest	25.6	30.0	27.7	16.6	7.3	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
8/13/2007	31	14806		12R11L	Nest	27.8	31.1	28.8	16.6	7.8	
8/13/2007	31	14807		12R11L	Nest	27.7	31.2	28.8	16.7	8.4	
8/13/2007	31	14809		12R11L	Nest	28.8	31.2	28.8	16.6	8.2	
8/13/2007	31	14811		12R11L	Nest	27.7	31.1	28.9	16.6	7.9	
8/13/2007	90	14813		12R11L	Nest	26.6	29.9	25.6	16.6	7.6	
8/14/2007	26	14818		12R11L	Nest	27.5	31.6	28.9	16.2	8	
8/14/2007	26	14816		12R11L	Nest	27.6	31.1	28.3	14.6	7.2	split nuchal
8/14/2007	26	14818		12R11L	Nest	28.9	32.5	28.0	16.6	7.8	split nuchal
8/14/2007	26	14819		12R11L	Nest	29.9	32.2	29.9	16.7	8.4	
8/14/2007	26	14821		12R11L	Nest	27.8	31.2	28.9	16.7	8	
8/14/2007	26	14823		12R11L	Nest	29.9	31.2	28.9	16.7	8.5	
8/14/2007	31	14814		12R11L	Nest	27.8	31.7	29.0	16.0	7.7	
8/15/2007	21	14824		8R 12R 9L	Nest	27.3	31.9	27.0	16.2	7.4	split RM 1, ANA v4
8/15/2007	21	14826		8R 12R 9L	Nest	29.1	34.3	29.4	16.2	9.1	
8/15/2007	21	14827		8R 12R 9L	Nest	28.0	33.0	28.0	16.8	8.6	
8/15/2007	21	14829		8R 12R 9L	Nest	28.0	32.3	28.0	16.2	8.2	
8/15/2007	21	14831		8R 12R 9L	Nest	29.2	32.9	29.2	16.2	8.9	
8/15/2007	21	14832		8R 12R 9L	Nest	29.1	33.2	29.2	16.3	8.5	split nuchal
8/15/2007	21	14834		8R 12R 9L	Nest	28.8	32.3	28.0	16.3	8.5	
8/16/2007	61	14835		9R 12R 9L	Nest	26.2	29.2	27.3	15.7	7.8	extra R & L cl?
8/16/2007	61	14837		9R 12R 9L	Nest	25.8	30.0	26.5	16.2	7.7	
8/16/2007	61	14839		9R 12R 9L	Nest	26.8	30.5	26.2	16.3	8	
8/16/2007	61	14841		9R 12R 9L	Nest	25.6	29.5	27.0	16.0	7.7	
8/16/2007	61	14842	14845	9R 12R 9L	Nest	26.5	30.8	27.4	15.8	8.1	Ana. R C5?
8/16/2007	61	14844		9R 12R 9L	Nest	26.8	30.2	27.0	16.5	8.3	
8/16/2007	61	14847		9R 12R 9L	Nest	25.9	30.9	27.3	16.4	8.3	Ana. V4, 13 marginals left side, 5 costals left side
8/16/2007	61	14849		9R 12R 9L	Nest	26.4	60.5	27.0	16.1	7.8	
8/16/2007	61	14850		9R 12R 9L	Nest	27.1	31.4	27.3	15.8	8.2	13 right martinals, extra C R & L
8/16/2007	61	14852		9R 12R 9L	Nest	26.1	30.4	21.1	16.7	8	extra c, 26 marginals
8/16/2007	61	14854		12R11L	Nest	26.6	31.6	27.4	16.6	8.6	26 marginals
8/16/2007	61	14855		12R11L	Nest	27.3	30.8	27.0	16.6	8.2	
8/16/2007	61	14857		12R11L	Nest	27.9	30.9	27.4	16.5	8.3	
8/16/2007	61	14858		12R11L	Nest	26.9	30.6	27.6	15.6	7.8	
8/16/2007	21	14860		8R 12R 11L	Nest	29.9	33.1	27.8	16.0	8.4	
8/16/2007	21	14862		8R 12R 11L	Nest	27.5	32.5	28.7	16.1	8.4	
8/16/2007	21	14863	14864	8R 12R 11L	Nest	29.1	33.1	28.8	16.7	8.9	
8/16/2007	21	14865		12R11L	Nest	29.1	34.4	30.7	16.2	9.2	
8/16/2007	192	14866	14867	12R11L	Nest	28.5	31.1	28.4	16.4	8.3	
8/16/2007	192	14868		12R11L	Nest	27.1	31.1	27.6	16.6	7.7	
8/18/2007	78	14870		12R11L	Nest	26.2	29.9	26.6	15.8	7.1	
8/18/2007	78	14871	14872	12R11L	Nest	25.6	30.1	25.0	15.6	6.8	13 R extra 12 R
8/20/2007	90	14873		12R11L	Nest	26.1	30.3	28.0	15.2	7.5	
8/20/2007	164	14875		12R11L	Nest	27.2	32.6	28.8	17.1	8.9	
8/20/2007	164	14876	14877	12R11L	Nest	28.1	33.1	29.5	17.1	9.5	
8/20/2007	164	14878		12R11L	Nest	28.1	31.7	28.4	16.8	8.7	13 marginals
8/20/2007	164	14880		12R11L	Nest	27.7	31.7	28.7	16.9	8.7	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
8/20/2007	164	14881	14882	12R11L	Nest	28.2	31.5	28.9	16.3	8.2	
8/20/2007	164	14883		12R11L	Nest	28.1	33.3	29.2	17.4	9.2	
8/20/2007	164	14884	14885	12R11L	Nest	27.7	31.9	28.1	17.1	8.3	
8/20/2007	164	14886		12R11L	Nest	28.8	32.3	28.2	16.8	8.7	
8/20/2007	164	14888		12R11L	Nest	28.1	32.1	29.0	17.0	8.1	
8/20/2007	164	14889	14890	12R11L	Nest	29.1	33.2	29.1	16.8	9.2	
8/20/2007	164	14891		12R11L	Nest	27.6	31.8	28.2	16.7	8.2	
8/20/2007	164	14893		12R11L	Nest	28.2	31.8	28.6	16.8	8.4	
8/20/2007	62	14894	14895	10R 12R 9L	Nest	26.6	30.6	27.3	16.2	7.7	small extra V5
8/20/2007	62	14896		10R 12R 9L	Nest	25.7	29.7	27.0	15.6	7.2	extra V5, extra R & L C4, 26 marginals
8/20/2007	62	14897	14898	10R 12R 9L	Nest	26.9	31.1	27.6	15.1	7	extra R & L C4, 26 marginals
8/20/2007	62	14899	14900	10R 12R 9L	Nest	26.6	30.3	26.7	15.5	7.1	extra V5, extra R & L C4, 26 marginals
8/20/2007	62	14901		10R 12R 9L	Nest	26.4	30.7	28.0	15.2	7.4	noriz. Split v2-v5, 26 marginals
8/20/2007	62	14902	14903	10R 12R 9L	Nest	27.2	30.5	26.0	15.6	7.2	
8/20/2007	62	14904	14905	10R 12R 9L	Nest	27.0	30.9	27.1	15.7	7.2	extra C4 (rt & left) 13 R marginals
8/20/2007	62	14906		10R 12R 9L	Nest	26.8	29.2	25.7	15.4	6.7	
8/20/2007	62	14907	14908	10R 12R 9L	Nest	26.3	29.7	26.1	15.2	6.8	extra V4, extra C4L, 26 marginals
8/20/2007	62	14909		10R 12R 9L	Nest	27.7	30.5	28.0	15.6	7.7	extra V5, extra R & L C4, 26 marginals
8/20/2007	62	14911		12R11L	Nest	26.1	29.8	26.5	15.6	6.7	
8/20/2007	62	14912	14913	12R11L	Nest	25.5	29.6	25.2	16.4	6.5	extra V5, extra R & L C4, 13 marginals
8/20/2007	62	14914		12R11L	Nest	26.7	30.5	25.8	15.6	6.9	extra V5, extra C right 3
8/20/2007	58	14916	14915	12R11L	Nest	28.1	31.1	27.8	15.5	7.5	
8/20/2007	58	14917	14918	12R11L	Nest	27.7	31.2	27.8	15.2	7.4	
8/20/2007	58	14919		12R11L	Nest	29.0	31.5	27.9	15.8	7.9	
8/20/2007	58	14920	14921	12R11L	Nest	29.1	32.3	29.3	15.0	8.2	
8/20/2007	58	14922	14923	12R11L	Nest	29.1	32.7	29.5	16.1	8.9	
8/20/2007	58	14924		12R11L	Nest	27.3	30.6	27.8	16.1	7.7	
8/20/2007	58	14925	14926	12R11L	Nest	29.6	31.5	28.3	15.6	8.2	
8/20/2007	58	14927		12R11L	Nest	29.6	33.1	27.8	16.3	8.2	
8/20/2007	58	14929		12R11L	Nest	29.0	32.8	28.3	15.7	8.3	
8/20/2007	58	14931	14932	12R11L	Nest	28.2	30.2	27.8	14.3	6.9	
8/20/2007	25	14933		12R11L	Nest	28.6	31.4	28.1	16.0	7.7	extra V4 & V5, extra C2R, C3R, C4L, 13 R marginals
8/20/2007	25	14934		12R11L	Nest	29.3	32.8	28.4	16.3	8.3	
8/20/2007	25	14935	14936	12R11L	Nest	29.6	32.8	28.6	16.6	8.4	
8/20/2007	46	14937		11R 12R 9L	Nest	27.9	31.3	27.9	16.4	8	
8/20/2007	46	14938	14939	11R 12R 9L	Nest	25.0	30.1	27.8	16.3	7	
8/20/2007	46	14940		11R 12R 9L	Nest	27.1	30.6	28.0	15.8	7.9	
8/20/2007	46	14942	14941	11R 12R 9L	Nest	26.3	30.3	27.7	16.1	7.7	
8/20/2007	46	14943	14944	11R 12R 9L	Nest	26.7	31.4	29.0	15.6	7.9	
8/20/2007	46	14945		11R 12R 9L	Nest	26.2	31.0	27.5	15.5	7.6	
8/20/2007	46	14947		11R 12R 9L	Nest	26.6	31.3	28.1	15.8	7.8	
8/20/2007	46	14948	14949	11R 12R 9L	Nest	26.8	30.1	27.1	15.4	7	
8/20/2007	46	14950		11R 12R 9L	Nest	26.0	30.9	28.4	15.7	7.6	
8/20/2007	46	14951	14952	11R 12R 9L	Nest	27.0	30.2	27.3	15.5	7.5	
8/20/2007	46	14953		12R11L	Nest	26.9	30.6	28.0	15.3	7.4	
8/20/2007	46	14955		12R11L	Nest	25.0	29.2	26.4	15.1	6.5	extra V4 & V5, extra C2L

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
8/20/2007	46	14956	14957	12R11L	Nest	26.3	30.5	27.2	16.0	7.6	
8/20/2007	46	14958		12R11L	Nest	27.2	31.1	28.1	16.2	7.6	
8/20/2007	46	14960		12R11L	Nest	26.6	30.7	28.4	15.4	7.5	
8/20/2007	46	14962	14961	12R11L	Nest	27.1	30.6	27.8	15.2	7.7	
8/20/2007	18	14963		12R11L	Nest	26.7	31.1	27.2	15.5	7.2	
8/20/2007	18	14965		12R11L	Nest	25.0	28.8	26.2	14.6	6.5	
8/20/2007	18	14966	14967	12R11L	Nest	25.8	29.7	25.4	15.2	6.8	
8/20/2007	25	14968		12R11L	Nest	29.2	31.5	27.6	15.9	7.8	extra C4
8/20/2007	25	14970		12R11L	Nest	28.9	32.6	28.6	16.2	8	
8/20/2007	25	14971	14972	12R11L	Nest	29.4	32.7	28.4	16.3	8.3	extra C4 R & L
8/20/2007	25	14973		12R11L	Nest	27.5	30.5	24.6	15.8	6.9	
8/20/2007	58	14974	14975	12R11L	Nest	29.9	32.4	29.0	15.6	8.4	
8/20/2007	62	14976		12R11L	Nest	24.7	27.7	23.1	14.8	5.6	extra V5, 26 marginals
8/21/2007	14	14978		12R11L	Nest	27.6	31.3	28.1	16.3	7.3	
8/21/2007	28	14980	14979	12R11L	Nest	28.5	32.3	26.6	16.0	7.5	
8/21/2007	25	14981		12R11L	Nest	29.7	32.7	28.1	17.1	8.4	
8/21/2007	41	14982	14983	12R11L	Nest	27.1	32.1	28.6	16.5	8	
8/21/2007	41	14984	14985	12R11L	Nest	26.9	31.6	28.5	16.5	7.8	
8/21/2007	41	14986		12R11L	Nest	27.1	31.1	27.3	16.9	7.7	
8/21/2007	41	14987	14988	12R11L	Nest	27.7	31.5	28.0	17.1	8	
8/21/2007	41	14989	14990	12R11L	Nest	27.2	32.6	29.1	16.3	8.1	
8/21/2007	41	14991		12R11L	Nest	23.1	26.3	24.2	15.3	6	extra V4
8/22/2007	41	14992	14993	12R11L	Nest	27.2	32.0	28.2	16.7	7.9	
8/22/2007	16	14994		12R11L	Nest	26.4	31.7	28.3	16.4	7.2	
8/22/2007	16	14995	14996	12R11L	Nest	26.1	30.9	27.4	16.2	7.3	
8/22/2007	16	14997	14998	12R11L	Nest	25.9	31.2	28.8	16.6	7.3	
8/22/2007	16	14999		12R11L	Nest	26.1	31.4	28.7	15.5	7	
8/22/2007	16	15000	15001	12R11L	Nest	26.2	31.4	27.7	15.7	7.1	
8/25/2007	26	15002	15003	12R11L	Nest	28.3	32.3	29.3	16.6	8.2	
8/25/2007	87	15004		12R11L	Nest	28.1	31.8	28.1	16.4	8	
8/25/2007	87	15005	15006	12R11L	Nest	26.6	29.9	27.9	15.2	7.4	extra V5, extended V4, very small V5
8/25/2007	87	15007		12R11L	Nest	27.0	31.7	28.1	16.0	7.7	
8/25/2007	87	15009		12R11L	Nest	27.3	32.3	28.5	16.1	8.3	
8/25/2007	87	15010	15011	12R11L	Nest	25.6	29.3	25.6	16.2	7	extra V4, C1R, C4R, C3L, C4L
8/25/2007	94	15012		12R11L	Nest	27.8	30.8	27.8	15.9	8	
8/25/2007	94	15013	15014	12R 1L 9L	Nest	28.1	32.3	27.9	16.1	8.1	
8/25/2007	94	15015	15016	12R 1L 9L	Nest	27.6	30.5	27.3	15.9	7.6	
8/25/2007	94	15017		12R 1L 9L	Nest	30.0	33.7	29.1	15.9	8.6	
8/25/2007	94	15019	15018	12R 1L 9L	Nest	28.1	31.7	27.2	15.6	7.8	
8/25/2007	94	15020	15021	12R 1L 9L	Nest	29.2	31.6	27.5	15.2	8.3	extra V5
8/25/2007	94	15022		12R 1L 9L	Nest	29.5	31.3	27.1	15.2	8	
8/25/2007	94	15023	15024	12R 1L 9L	Nest	27.2	32.1	28.0	15.5	8	
8/25/2007	94	15025		12R 1L 9L	Nest	26.8	31.0	27.0	15.3	7.4	extra V3, extra C4R, 26 marginals
8/25/2007	94	15027		12R 1L 9L	Nest	28.3	32.2	27.9	15.7	7.9	extra V3, V4, C4R
8/25/2007	94	15028	15029	12R 1L 9L	Nest	27.3	30.1	27.2	15.7	7.5	V4 split on R, extra C4R 13 R marginals
8/26/2007	37	15030		12R 11L	Nest	27.9	31.2	28.0	15.1	7.4	
8/26/2007	37	15031	15032	12R 11L	Nest	24.7	28.3	25.4	14.7	5.6	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
8/26/2007	37	15033	15034	12R 11L	Nest	26.3	29.1	25.2	14.4	6	
8/26/2007	37	15035		12R 11L	Nest	25.7	27.9	24.4	14.0	6	
8/26/2007	37	15036	15037	12R 2L 9L	Nest	25.5	30.0	25.8	15.0	6.3	
8/26/2007	37	15038		12R 2L 9L	Nest	26.3	29.8	26.3	15.5	6.9	
8/26/2007	37	15040		12R 2L 9L	Nest	27.0	29.9	25.3	15.8	6.8	
8/26/2007	37	15041	15042	12R 2L 9L	Nest	23.6	26.6	23.6	14.2	5.4	extra C4
8/26/2007	37	15043		12R 2L 9L	Nest	26.9	30.6	27.2	16.5	7.3	
8/26/2007	37	15044	15045	12R 2L 9L	Nest	26.3	29.4	26.5	15.3	6.9	
8/26/2007	37	15046	15047	12R 2L 9L	Nest	26.6	29.9	26.9	15.8	6.7	
8/26/2007	37	15048		12R 2L 9L	Nest	23.7	27.7	24.3	14.7	5.8	
8/26/2007	37	15049	15050	12R 2L 9L	Nest	25.9	28.3	25.1	15.1	6	extra V3, C4R
8/26/2007	37	15051	15052	12R 2L 9L	Nest	26.7	29.5	26.2	15.1	6.3	
8/26/2007	53	15053		12R 11L	Nest	28.7	32.7	29.1	16.8	7.9	
8/26/2007	53	15054	15055	12R 3L 9L	Nest	28.1	31.9	27.8	16.5	7.7	
8/26/2007	86	15056	15057	12R 3L 9L	Nest	28.5	32.0	28.1	16.7	8.1	
8/26/2007	86	15058		12R 3L 9L	Nest	29.3	33.3	29.2	17.0	8.9	
8/26/2007	86	15059	15060	12R 3L 9L	Nest	28.6	32.2	28.2	16.7	8.5	extra V4, C4L
8/26/2007	86	15061	15062	12R 3L 9L	Nest	29.0	32.5	28.5	16.7	8.6	
8/26/2007	86	15063		12R 3L 9L	Nest	28.6	31.7	27.7	16.2	7.9	13 Marginals
8/26/2007	86	15064	15065	12R 3L 9L	Nest	29.7	32.1	28.3	16.2	8	
8/26/2007	86	15066	15067	12R 3L 9L	Nest	29.0	32.6	28.2	16.4	8.4	
8/26/2007	86	15068		12R 3L 9L	Nest	29.1	32.9	29.1	16.8	8.7	
8/26/2007	86	15069	15070	12R 3L 9L	Nest	27.4	30.9	27.5	16.2	7.7	
8/26/2007	86	15071		12R 11L	Nest	28.2	31.8	27.4	15.2	7.8	
8/26/2007	94	15072	15073	12R 11L	Nest	29.3	32.2	27.3	16.1	7.9	
8/26/2007	94	15074	15075	12R 11L	Nest	28.7	32.7	28.1	16.1	8.5	
8/26/2007	44	15076		12R 11L	Nest	27.6	31.7	28.7	15.9	7.7	
8/26/2007	44	15077	15078	12R 11L	Nest	28.9	32.6	27.6	15.9	7.9	
8/27/2007	44	15080	15079	12R 11L	Nest	28.1	32.6	28.2	16.2	7.8	
8/27/2007	44	15081		12R 11L	Nest	28.4	32.1	28.1	15.9	8.3	
8/27/2007	44	15082	15083	12R 11L	Nest	27.4	31.2	27.9	16.4	7.3	
8/27/2007	44	15084		12R 11L	Nest	28.6	32.1	28.1	16.2	8	
8/27/2007	44	15086		12R 11L	Nest	28.1	31.6	28.0	16.4	7.9	
8/27/2007	44	15087	15088	12R 11L	Nest	29.0	32.7	28.2	16.7	8	
8/27/2007	44	15089		12R 11L	Nest	29.0	32.4	28.0	16.2	7.7	
8/27/2007	208	15091		12R 11L	Hand	26.9	31.8	27.4	16.6	8	.3 meters from nest
8/27/2007	209	15092	15093	12R 11L	Nest	27.0	31.6	29.1	16.8	8.3	
8/28/2007	35	15094		12R 11L	Nest	24.5	28.0	24.1	15.1	5.9	
8/28/2007	96	15095	15096	12R 11L	Nest	25.2	29.9	27.0	15.6	7.5	
8/28/2007	96	15097	15098	12R 8L 9L	Nest	25.6	30.1	26.6	15.9	7.5	
8/28/2007	96	15099		12R 8L 9L	Nest	24.9	30.4	28.2	16.4	7.9	extra V5
8/28/2007	96	15100	15101	12R 8L 9L	Nest	26.1	30.5	27.4	15.8	7.3	
8/28/2007	96	15102	15103	12R 8L 9L	Nest	26.4	31.3	27.8	16.3	8	extra C4 L
8/28/2007	96	15104		12R 8L 9L	Nest	25.4	29.9	27.6	15.8	7.5	
8/28/2007	96	15106	15105	12R 8L 11L	Nest	26.9	31.5	27.5	16.3	7.9	
8/28/2007	96	15107		12R 8L 11L	Nest	25.1	30.4	27.7	16.0	7.5	
8/28/2007	96	15109		12R 8L 11L	Nest	26.6	30.2	28.1	16.6	7.7	very small extra C4 R

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
8/28/2007	96	15111	15110	12R 8L 11L	Nest	25.5	30.9	27.8	16.7	7.8	
8/28/2007	96	15112		12R 8L 11L	Nest	24.8	30.0	27.5	16.2	7.5	
8/28/2007	54	15114		12R 11L	Nest	26.8	31.1	27.0	15.5	7.5	
8/28/2007	54	15115	15116	12R 11L	Nest	27.1	31.6	27.7	16.4	7.6	
8/28/2007	54	15117		12R 9L 10L	Nest	25.6	30.8	27.9	16.1	7.5	
8/28/2007	54	15118	15119	12R 9L 10L	Nest	27.3	31.5	28.0	16.2	7.9	
8/28/2007	54	15120	15121	12R 9L 10L	Nest	27.1	31.3	28.1	15.6	7.7	
8/28/2007	54	15122		12R 9L 10L	Nest	27.1	31.5	28.0	15.7	7.7	
8/28/2007	54	15123	15124	12R 9L 10L	Nest	26.4	30.7	27.4	16.0	7.4	
8/28/2007	54	15125		12R 9L 10L	Nest	25.8	30.6	27.2	15.7	7.4	
8/28/2007	54	15127		12R 9L 10L	Nest	26.5	31.2	27.4	16.2	7.4	
8/28/2007	54	15128	15129	12R 9L 10L	Nest	27.5	32.1	28.2	16.7	7.7	
8/28/2007	54	15130		12R 9L 10L	Nest	27.5	32.7	27.8	16.2	8.1	
8/28/2007	54	15131	15132	12R 9L 10L	Nest	27.1	32.4	28.2	16.1	8	
8/28/2007	112	15133	15134	12R 11L	Nest	28.2	32.1	26.5	16.8	8.7	extra C4R
8/28/2007	112	15135		12R 9L 11L	Nest	28.4	32.0	26.9	17.0	8.8	
8/29/2007	112	15136	15137	12R 9L 11L	Nest	25.4	29.9	25.2	15.9	6.9	
8/29/2007	112	15138	15139	12R 9L 11L	Nest	27.3	32.5	27.7	17.8	9.1	extra C4L
8/29/2007	112	15140		12R 9L 11L	Nest	28.0	33.0	28.0	16.8	9.3	
8/29/2007	112	15141	15142	12R 9L 11L	Nest	26.5	30.4	26.9	16.2	7.7	
8/29/2007	112	15143	15144	12R 9L 11L	Nest	28.5	32.1	26.6	17.2	8.1	
8/29/2007	112	15145		12R 9L 11L	Nest	28.6	32.7	27.2	17.1	9.1	
8/29/2007	112	15146	15147	12R 9L 11L	Nest	27.6	32.2	27.4	17.0	8.4	
8/29/2007	112	15148		12R 9L 11L	Nest	25.2	29.6	26.7	16.0	7.1	
8/29/2007	112	15150		12R 9L 11L	Nest	27.0	31.3	27.2	16.8	8.3	
8/29/2007	79	15151	15152	12R 11L	Nest	28.1	31.9	27.9	16.7	8	
8/29/2007	79	15153		12R 11L	Nest	28.5	31.5	27.1	16.6	7.8	
8/29/2007	79	15154	15155	12R 11L	Nest	27.8	32.5	27.9	17.0	8.5	
8/29/2007	79	15156	15157	12R 11L	Nest	27.7	31.8	27.5	16.1	8.1	
8/29/2007	79	15158		12R 11L	Nest	28.8	32.4	27.9	16.2	8	
8/29/2007	79	15159	15160	12R 11L	Nest	28.0	32.0	27.8	16.6	8	
8/29/2007	79	15161		12R 11L	Nest	27.8	32.1	27.1	16.7	8.1	
8/29/2007	79	15163		12R 11L	Nest	27.1	31.5	27.2	16.5	7.7	
8/29/2007	79	15164	15165	12R 11L	Nest	27.5	31.8	27.8	16.2	7.6	
8/29/2007	79	15166		12R 11L	Nest	27.6	31.9	28.0	15.9	7.9	
8/29/2007	79	15167	15168	12R 11L	Nest	29.0	32.4	27.8	16.9	8.2	
8/29/2007	118	15169	15170	12R 11L	Nest	26.5	30.4	26.7	16.0	8.4	extra C1 R & L?, V5, 4C R & L, 26 marginals
8/29/2007	118	15171		12R 11L	Nest	26.9	32.3	27.0	16.9	9.2	extra V5
8/29/2007	118	15173		12R 11L	Nest	25.3	30.6	26.0	16.1	7.7	
8/29/2007	118	15175		12R 11L	Nest	25.4	30.5	26.8	16.5	8.2	extra 2C R
8/29/2007	118	15176		12R 11L	Nest	26.1	30.2	26.4	16.1	8.2	extra 1C (R & L)
8/29/2007	118	15177	15178	12R 11L	Nest	26.4	31.1	26.9	16.4	8.3	extra 2 C Cl
8/29/2007	118	15179		12R 11L	Nest	27.8	31.5	26.5	17.0	8.8	extra 1C (R & L), 4V, 13R
8/29/2007	118	15181		12R 11L	Nest	27.1	31.6	27.6	17.2	9.1	extra 1 C (R & L), 13 R marg., 2C R, 4C L, 3V
8/29/2007	118	15182	15183	12R 11L	Nest	26.9	31.5	27.5	16.9	9.1	extra 4V
8/29/2007	118	15184		12R 11L	Nest	28.4	32.5	27.2	16.5	8.9	
8/29/2007	118	15185	15186	12R 11L	Nest	26.0	31.0	26.6	16.9	8.5	extra 1C (R & L), 3 C & 4 C R

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
8/29/2007	118	15187	15188	12R 11L	Nest	25.9	31.3	26.3	16.7	8.5	extra 1 C R, 13 R marg.
8/29/2007	118	15189		12R 11L	Nest	26.5	31.1	26.5	16.6	8.6	
8/29/2007	118	15190	15191	12R 11L	Nest	26.7	30.5	25.9	17.2	8.4	extra ant skvy memberane
8/29/2007	118	15192		12R 11L	Nest	25.8	30.7	26.5	16.7	7.7	
8/29/2007	44	15194		12R 11L	Nest	29.6	32.3	27.4	16.0	8.5	
8/29/2007	18	15195	15196	12R 11L	Nest	25.4	30.5	26.4	16.7	7.6	
8/29/2007	18	15197		12R 11L	Nest	27.2	31.5	27.6	16.1	7.7	
8/30/2007	96	15199		12R 11L	Nest	24.8	30.5	27.0	15.4	6.3	
9/1/2007	136	15200	15201	12R 11L	Nest	23.5	29.0	24.9	15.1	5.1	
9/1/2007	136	15202		12R 11L	Nest	25.4	29.5	25.7	14.8	5.9	
9/1/2007	136	15203	15204	12R 11L	Nest	25.9	30.0	26.8	15.5	7	
9/1/2007	136	15205		12R 11L	Nest	26.0	29.7	25.8	15.6	6.6	
9/1/2007	136	15207		12R 11L	Nest	24.1	29.2	25.3	15.1	6.2	extra V3, C3R
9/3/2007	119	15208	15209	12R 11L	Nest	26.3	30.7	27.1	16.1	7.4	
9/3/2007	119	15210		12R 11L	Nest	26.4	31.1	28.0	16.2	8.3	extra C1 R
9/3/2007	119	15212		12R 11L	Nest	26.2	30.7	28.8	16.2	8	stumpy/ broken tail
9/3/2007	119	15213	15214	12R 11L	Nest	27.0	31.6	28.0	16.3	8	
9/3/2007	119	15215		12R 11L	Nest	26.4	30.3	27.5	16.3	7.3	
9/3/2007	119	15217		12R 11L	Nest	26.0	31.1	28.2	17.0	8	
9/3/2007	119	15218	15219	12R 11L	Nest	26.0	30.1	27.4	16.2	7.4	
9/3/2007	119	15220		12R 11L	Nest	26.7	31.5	28.3	16.1	8	
9/3/2007	121	15221	15222	12R 11L	Nest	27.5	32.5	28.0	16.7	8.1	extra V4
9/3/2007	121	15223	15224	12R 11L	Nest	26.3	31.9	28.0	15.9	7.7	
9/3/2007	121	15225		12R 11L	Nest	28.3	34.1	28.3	16.8	8.9	
9/3/2007	121	15226	15227	12R 11L	Nest	28.0	33.6	29.5	16.8	8.9	
9/3/2007	121	15228		12R 11L	Nest	23.7	29.1	25.3	14.9	5.9	
9/3/2007	121	15230		12R 11L	Nest	27.3	32.4	28.1	16.4	8	extra C4L
9/3/2007	121	15231	15232	12R 11L	Nest	27.7	32.3	27.6	16.7	8.1	extra C1 L, R
9/3/2007	121	15233		12R 11L	Nest	26.0	30.9	27.1	15.4	6.7	
9/3/2007	121	15235		12R 11L	Nest	27.2	33.0	27.5	16.5	8.1	
9/3/2007	121	15236	15237	12R 11L	Nest	27.2	32.4	28.6	16.5	8.1	
9/3/2007		dead		12R 11L	Nest	26.6	31.0	27.2	15.8	7.2	extra C4L
9/3/2007		dead		12R 11L	Nest	26.8	31.7	27.8	16.4	8.5	extra V3, V4, C3R, C4R
9/3/2007	120	15238		12R 11L	Nest	25.0	29.9	27.2	16.2	7.1	
9/3/2007	120	15239	15240	12R 11L	Nest	27.2	31.9	27.5	16.6	8.3	extra C1R, C2R
9/3/2007	120	15241	15242	12R 11L	Nest	28.9	33.7	29.1	16.9	9.2	extra V3, V4, C4R,L
9/3/2007	120	15243		12R 11L	Nest	25.8	30.7	26.3	16.5	7.8	
9/3/2007	120	15244	15245	12R 11L	Nest	25.3	31.2	28.1	15.8	7.6	extra V3,V4, C4, C2L
9/3/2007	120	15246	15247	12R 11L	Nest	28.9	33.6	28.9	17.0	9.2	extra C4R
9/3/2007	120	15248		12R 11L	Nest	27.2	32.2	28.4	17.2	8.7	extra V2, V3, C4R, C1L, C2L, C4L
9/3/2007	120	15249	15249	12R 11L	Nest	28.2	33.4	29.9	16.7	9.3	
9/3/2007	120	15251		12R 11L	Nest	28.8	33.2	29.1	16.8	9.3	extra V3, C2R, C4R, C4L
9/3/2007	120	15253		12R 11L	Nest	28.0	33.3	28.5	16.6	8.9	
9/3/2007	120	15254	15255	12R 9L 12L	Nest	27.0	32.3	28.0	16.9	8.8	extra C4R, C4L
9/3/2007	88	15256		12R 9L 12L	Nest	27.3	31.4	28.7	16.2	8.1	
9/3/2007	88	15257	15258	12R 9L 12L	Nest	27.4	32.5	29.4	16.3	8.2	
9/3/2007	88	15259	15260	12R 11L	Nest	26.6	31.3	29.7	16.5	8.2	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
9/3/2007	88	15261		12R 9L 12L	Nest	26.5	31.1	28.4	15.9	7.7	
9/3/2007	88	15262	15263	12R 9L 12L	Nest	27.0	31.6	28.1	16.0	7.9	
9/3/2007	88	15264		12R 9L 12L	Nest	28.1	31.8	28.1	16.1	8	
9/3/2007	88	15266		12R 9L 12L	Nest	28.2	32.6	29.2	16.2	8.3	2 extra femoral scutes, posterior along midline
9/3/2007	88	15267	15268	12R 9L 12L	Nest	28.0	32.2	29.1	16.2	8	
9/3/2007	88	15269		12R 9L 12L	Nest	27.4	31.1	27.8	15.6	7.6	
9/3/2007	88	15271		12R 9L 12L	Nest	26.3	29.9	27.2	15.2	6.9	
9/3/2007	88	15272	15273	12R 11L	Nest	27.6	31.6	28.0	16.0	7.9	
9/3/2007	88	15274		12R 11L	Nest	27.9	32.0	28.3	16.1	8	
9/3/2007	88	15275	15276	12R 11L	Nest	27.8	31.8	28.4	16.3	8.1	extra V4, C3R, C4R
9/3/2007	88	15277		12R 11L	Nest	27.9	32.2	28.4	16.3	7.8	
9/3/2007	88	15279		12R 11L	Nest	28.0	30.8	28.1	16.1	7.8	
9/3/2007	143	15280	15281	11R 11L	Nest	26.3	31.1	28.2	16.2	8.2	2 marginals marked 11R 11L
9/3/2007	143	15282		12R 11L	Nest	28.2	31.4	27.6	16.4	8.6	
9/3/2007	143	15284		12R 11L	Nest	26.8	30.2	26.2	15.9	7.5	
9/3/2007	143	15285	15286	12R 11L	Nest	26.9	31.0	26.7	16.6	8.5	
9/3/2007	143	15287		12R 11L	Nest	27.8	31.2	27.3	16.4	8.7	small scute at intersection of gular & humral
9/3/2007	143	15288	15289	12R 11L	Nest	27.7	30.6	27.7	16.7	8.5	11LM fused 11& 12
9/3/2007	143	15290	15291	12R 11L	Nest	27.1	31.7	26.9	16.1	8.2	
9/3/2007	143	15292		12R 11L	Nest	28.4	31.1	26.5	16.6	8.4	
9/4/2007	116	15293	15294	12R 11L	Nest	26.9	31.1	25.9	15.8	7	extra V3, V4, C2R, C4R, C4L
9/4/2007	116	15295		1R (AE code)	Nest	29.2	33.3	27.2	15.9	8.6	
9/4/2007	116	15297		1R (AE code)	Nest	28.9	33.4	28.9	17.0	9.7	extra C4R
9/4/2007	116	15298	15299	1R (AE code)	Nest	28.1	33.1	27.4	16.7	8.7	
9/4/2007	116	15300		1R (AE code)	Nest	27.9	32.0	27.6	16.2	8.1	
9/4/2007	116	15302		1R (AE code)	Nest	29.7	33.1	27.8	16.5	8.9	extra V1, V2, V4, C2R
9/4/2007	116	15303	15304	1R (AE code)	Nest	25.8	30.4	26.2	14.9	6.9	extra C4R
9/4/2007	116	15305		1R (AE code)	Nest	26.5	31.6	27.4	16.2	7.9	extra C4R, C2L, C4L
9/4/2007	116	15307		1R (AE code)	Nest	26.2	31.0	26.7	15.4	7.2	extra V1, V2, V43, C4L, C2R, small C4R
9/4/2007	116	15308	15309	1R (AE code)	Nest	27.7	34.0	28.7	16.8	9.3	
9/4/2007	116	15310		1R (AE code)	Nest	27.7	31.7	26.8	15.6	7.4	extra C4R, C2L, C3L
9/4/2007	116	15311	15312	1R (AE code)	Nest	28.9	32.9	29.0	16.3	9	extra C4R
9/4/2007	117	15313		12R 11L	Nest	28.1	32.1	29.3	15.9	9	
9/4/2007	117	15315		12R 11L	Nest	26.7	31.9	28.4	15.9	7.7	extra V4, C4R, C4L
9/4/2007	117	15316	15317	12R 11L	Nest	28.7	32.0	28.7	16.4	8	extra V3, extra small C3r, small C4R, extra C4L
9/4/2007	117	15318		12R 11L	Nest	28.8	32.2	29.4	15.7	8.7	
9/4/2007	117	15320		12R 11L	Nest	26.8	31.2	27.7	15.2	8.1	small V5, extra C4R, C4L bled a lot check for tag
9/4/2007	117	15321	15322	12R 11L	Nest	28.1	31.1	27.1	15.8	8.3	extra C4L
9/4/2007	117	15323		12R 11L	Nest	27.2	31.2	28.1	15.1	8.3	extra C3R, small C4R, C3L, C4L

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
9/4/2007	117	15324	15325	12R 11L	Nest	29.0	32.0	27.2	16.3	8.6	small scute at gulor femoral midline intersection, extra V4, C4R, C3L
9/4/2007	117	15326	15327	12R 11L	Nest	29.1	33.3	29.4	16.8	9.6	small scute at gulor femoral midline intersection, extra V5, C4R, C4L
9/4/2007	117	15328		12R 11L	Nest	27.7	31.5	27.5	16.3	8.2	extra C4R, C4L
9/4/2007	147	15329	15330	2R (AE code)	Nest	26.5	30.2	26.8	16.6	8.1	
9/4/2007	147	15331		2R (AE code)	Nest	27.1	30.7	27.2	16.7	8	small scute at femoral midline intersection
9/4/2007	147	15333		2R (AE code)	Nest	26.5	31.3	27.9	17.0	8	
9/4/2007	147	15334	15335	2R (AE code)	Nest	29.2	31.5	27.9	16.2	8.4	small scute at femoral midline intersection
9/4/2007	147	15336		12R 11L	Nest	26.8	30.3	28.0	17.1	8	small extra V5, extra C3R
9/4/2007	147	15338		2R (AE code)	Nest	26.3	29.9	27.5	16.0	7.5	
9/4/2007	147	15339	15340	2R (AE code)	Nest	26.5	30.5	27.5	16.2	7.4	extra C4L
9/4/2007	147	15341		2R (AE code)	Nest	26.9	31.3	27.5	17.0	7.9	extra V4, V5, C2L
9/4/2007	147	15343		2R (AE code)	Nest	27.5	31.7	27.1	15.8	8.1	small scute at gular femoral midline intersection
9/4/2007	147	15344	15345	2R (AE code)	Nest	26.1	30.2	26.4	16.2	7.5	
9/4/2007	147	15346		2R (AE code)	Nest	28.2	31.8	28.2	16.6	8.3	extra C4R
9/4/2007	147	15347	15348	12R 11L	Nest	26.9	30.2	26.7	17.0	7.7	split V5
9/4/2007	147	15349		12R 11L	Nest	27.0	30.7	27.3	17.1	8.3	
9/4/2007	147	15351		12R 11L	Nest	27.0	30.5	26.6	16.8	7.8	
9/4/2007	147	15352	15353	12R 11L	Nest	26.6	29.2	25.4	16.2	7.2	no nuchal 13L marginals
9/5/2007	57	15354		3R (AE code)	Nest	28.0	32.7	28.3	15.9	7.5	extra C4L, C4R
9/5/2007	57	15356		3R (AE code)	Nest	27.3	33.2	28.1	16.3	7.9	extra C4L
9/5/2007	57	15357	15358	3R (AE code)	Nest	27.1	32.0	27.7	16.3	7.7	
9/5/2007	57	15359		3R (AE code)	Nest	27.1	32.3	29.0	16.7	8.3	
9/5/2007	57	15360	15361	3R (AE code)	Nest	29.0	34.3	29.7	16.4	8.9	
9/5/2007	57	15362	15363	3R (AE code)	Nest	26.9	32.1	27.5	15.9	7.2	
9/5/2007	57	15364		3R (AE code)	Nest	29.5	35.1	29.9	16.3	9.2	
9/5/2007	57	15367		3R (AE code)	Nest	27.0	32.3	27.6	16.2	7.6	
9/5/2007	57	15369		3R (AE code)	Nest	27.6	21.9	28.3	16.2	7.8	
9/5/2007	57	15370	15371	3R (AE code)	Nest	27.6	33.5	28.6	16.1	8.4	
9/5/2007	57	15372		12R 11L	Nest	27.1	33.1	28.1	16.2	8	
9/5/2007	57	15373	15374	12R 11L	Nest	27.9	32.8	28.9	15.0	7.7	extra C4L
9/5/2007	57	15375	15376	12R 11L	Nest	27.6	32.7	27.7	15.7	7.7	
9/5/2007	57	15377		12R 11L	Nest	28.2	32.8	29.2	16.1	7.7	
9/5/2007	109	15378	15379	12R 11L	Nest	29.2	33.7	29.9	17.4	9.5	small extra V5, 26 marginals
9/5/2007	109	15380	15381	12R 11L	Nest	29.0	32.5	28.2	17.4	8.6	extra V4, V5, C4R, C4L , 26 marginals
9/5/2007	109	15382		12R 11L	Nest	29.2	32.2	27.9	16.7	8.5	extra C4R, 26 marginals
9/5/2007	109	15383	15384	12R 11L	Nest	26.0	29.4	26.1	15.4	6.5	extra C4R, C4L, 26 marginals

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
9/5/2007	109	15385		12R 11L	Nest	27.4	29.9	27.2	16.0	7.5	extra C4R, C4L, V5, 26 marginals
9/5/2007	109	15387		12R 11L	Nest	28.9	32.0	28.2	15.8	7.9	extra C4R, C4L, V5, 26 marginals
9/5/2007	109	15388	15389	12R 11L	Nest	27.9	31.6	28.1	16.6	8.1	extra C4R, C4L, V4, 26 marginals
9/5/2007	109	15390		12R 11L	Nest	27.0	30.5	27.4	15.6	7.2	extra V4, V5, C4R, 2 extra C4L 26 marginals
9/5/2007	109	15392		12R 11L	Nest	25.3	30.0	27.1	15.2	6.6	extra C4L, C2R, 13 R marginals
9/5/2007	145	15393	15394	8R (AE code)	Nest	26.9	30.9	27.2	15.8	7.8	
9/5/2007	145	15395		8R (AE code)	Nest	27.1	30.8	27.0	15.7	7.8	extra C4L, 11R (fused 3&4)M
9/5/2007	145	15397		8R (AE code)	Nest	26.3	31.2	27.9	16.5	8.3	extra CL RA
9/5/2007	145	15398	15399	8R (AE code)	Nest	27.6	31.1	26.3	15.0	7.7	26 marginals, small scute at gular, femoral intersection, tail curled fused to self
9/5/2007	145	15400		8R (AE code)	Nest	27.5	30.3	26.7	15.6	7.6	13 R marginal, small scute at gular, femoral intersection
9/5/2007	145	15401	15402	8R (AE code)	Nest	25.8	30.2	27.2	15.2	7.7	
9/5/2007	145	15403	15404	8R (AE code)	Nest	28.3	39.7	25.6	15.5	8.1	extra C4R small scute at femoral, gular and femoral pectoral
9/5/2007	145	15405		8R (AE code)	Nest	28.2	31.5	27.1	16.7	8.2	
9/5/2007	145	15403	15407	8R (AE code)	Nest	27.2	32.6	29.7	16.4	8.8	
9/5/2007	145	15408		8R (AE code)	Nest	28.2	31.9	28.7	16.8	8.8	extra C4L
9/5/2007	145	15410		12R 11L	Nest	22.9	28.3	25.7	14.9	6.7	13 LM
9/5/2007	145	15411	15412	12R 11L	Nest	27.4	31.7	27.9	15.7	8.3	
9/5/2007	136	15413		12R 11L	Nest	26.0	31.0	27.6	16.2	7.9	
9/5/2007	96	15415		12R 11L	Nest	26.5	31.4	27.8	16.3	8	
9/5/2007	96	15416	15417	12R 11L	Nest	25.0	31.1	28.2	16.1	7.7	
9/5/2007	96	15418		12R 11L	Nest	25.6	29.8	28.1	15.3	7.3	
9/7/2007	125	15420		9R (AE code)	Nest	28.9	32.5	28.5	16.8	8.8	
9/7/2007	125	15421	15422	9R (AE code)	Nest	27.7	31.5	27.7	17.0	8	small scute at femoral midline intersection
9/7/2007	125	15423		9R (AE code)	Nest	25.4	30.2	27.0	15.1	6.7	
9/7/2007	125	15424	15425	9R (AE code)	Nest	28.2	32.6	28.4	15.7	8.2	
9/7/2007	125	15426	15427	9R (AE code)	Nest	28.0	32.7	27.7	15.6	7.6	extra V5-3, V4, C3L, C4L
9/7/2007	125	15428		9R (AE code)	Nest	27.9	32.3	28.0	15.7	7.9	
9/7/2007	125	15429	15430	9R (AE code)	Nest	27.6	31.7	27.2	15.3	7.3	
9/7/2007	125	15431		9R (AE code)	Nest	27.3	31.5	27.5	15.6	7.3	
9/7/2007	125	15433		9R (AE code)	Nest	28.3	33.5	29.0	16.1	8.6	etra V2, 13 R marginal
9/7/2007	125	15434	15435	9R (AE code)	Nest	25.2	30.2	27.5	15.7	6.9	
9/9/2007	60	15436		12R 11L	Nest	29.4	33.0	29.5	16.2	8.7	
9/9/2007	60	15438		12R 11L	Nest	29.7	33.8	28.8	16.5	9.2	extra C4L
9/9/2007	60	15439	15440	12R 11L	Nest	29.0	33.0	29.2	15.4	8.3	
9/9/2007	60	15441		12R 11L	Nest	28.9	33.7	29.7	15.9	8.7	
9/9/2007	60	15443		12R 11L	Nest	27.2	31.3	27.1	15.9	7.4	
9/9/2007	60	15444	15445	12R 11L	Nest	29.6	33.1	29.3	16.7	8.8	

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9/9/2007	60	15446		12R 11L	Nest	29.9	33.8	28.5	16.7	8.9	
9/9/2007	60	15447	15448	12R 11L	Nest	28.8	34.2	30.4	15.8	9.1	
9/9/2007	60	15449	15450	12R 11L	Nest	27.5	31.8	27.2	15.9	7.5	
9/9/2007	60	15451		12R 11L	Nest	29.2	32.9	27.7	16.7	8	
9/9/2007	60	15452	15453	12R 11L	Nest	29.7	34.0	28.9	16.4	8.9	
9/9/2007	60	15454		12R 11L	Nest	29.1	33.1	28.6	16.8	8.7	
9/9/2007	60	15456		12R 11L	Nest	29.5	33.1	28.1	15.8	8.8	extra C4l
9/9/2007	60	15457	15458	12R 11L	Nest	28.1	33.2	28.5	16.1	8.2	
9/9/2007	60	15459		12R 11L	Nest	29.8	33.5	29.5	17.2	9.6	
9/9/2007	104	15461		12R 11L	Nest	29.4	31.6	27.6	15.8	7.5	13 R marginals
9/9/2007	104	15462	15463	12R 11L	Nest	29.2	32.1	28.0	16.0	7.5	extra C1 (R, L), A 1, C4L
9/9/2007	104	15464		12R 11L	Nest	28.4	32.0	28.3	16.2	7.5	
9/9/2007	104	15465	15466	12R 11L	Nest	26.8	30.0	27.2	14.8	6.6	extra C1 (R, L) 13 R marg split 1R
9/9/2007	104	15467	15468	12R 11L	Nest	26.5	30.0	25.7	14.6	5.6	extra 1RA 13 (R L) split 1R, 13 L m, C3L, C4L,
9/9/2007	104	15469		12R 11L	Nest	27.6	31.0	27.5	14.6	6.7	extra V4, 13 L m, C1LA, C4L,
9/9/2007	104	15470	15471	12R 11L	Nest	28.0	31.5	28.6	16.5	8.2	
9/9/2007	104	15472	15473	12R 11L	Nest	27.8	32.0	28.5	15.8	7.3	extra C1 (R,L) A
9/10/2007	104	15474		9R 11L	Nest	28.7	32.2	29.1	15.6	7.5	extra C4L, 13 marginals (split 2L)
9/10/2007	104	15475	15476	9R 11L	Nest	29.6	32.8	29.4	16.1	7.9	13 R marginals (split 1R)
9/11/2007	115	15477		9R 11L	Nest	24.9	28.3	24.2	13.6	5.3	extra V4 aa, C2L, C3L, 26 marginals (split 1r, 1l)
9/11/2007	115	15479		9R 11L	Nest	26.8	31.7	27.2	15.6	7.1	
9/11/2007	115	15480	15481	9R 11L	Nest	29.7	33.3	28.2	15.7	8.1	
9/11/2007	115	15482		9R 11L	Nest	26.8	29.8	25.1	15.5	6.2	extra C3l
9/11/2007	115	15483	15484	9R 11L	Nest	26.1	29.4	25.1	14.9	5.8	
9/11/2007	115	15485	15486	9R 11L	Nest	27.2	30.9	26.2	15.6	6.7	
9/11/2007	115	15487		9R 11L	Nest	26.4	30.3	25.8	14.5	6	extra v4, v5, c3l
9/11/2007	115	15488	15489	9R 11L	Nest	28.2	31.9	26.7	15.9	7.3	very large v3, small v4, extra c3l anterior, c4l post
9/11/2007	115	15490		9R 11L	Nest	29.8	33.1	28.2	16.1	7.7	
9/11/2007	115	15492		9R 11L	Nest	24.8	28.7	23.7	14.6	5.1	extra v3, c2r, c43, c3l
9/11/2007	98	15493	15494	9R 11L	Nest	26.1	28.4	24.9	14.7	6.3	
9/11/2007	98	15495		9R 11L	Nest	27.3	31.0	26.3	15.6	7	
9/11/2007	98	15497		9R 11L	Nest	26.8	29.8	25.6	15.7	6.7	
9/11/2007	98	15498	15499	9R 11L	Nest	25.5	29.5	25.4	14.4	6.4	
9/11/2007	98	15500		9R 11L	Nest	25.1	29.1	24.5	14.6	6.1	extra v5, c4r, c4l
9/11/2007	98	15501	15502	9R 11L	Nest	26.1	30.0	25.0	14.5	6.2	extra c4l
9/11/2007	98	15503	15504	9R 11L	Nest	24.7	28.7	25.0	14.4	6	
9/11/2007	98	15505		9R 11L	Nest	24.4	27.6	22.9	15.5	6.1	extra c4l
9/11/2007	98	15506	15507	9R 11L	Nest	25.9	30.4	26.1	15.4	6.7	
9/11/2007	98	15508		9R 11L	Nest	27.1	30.5	25.4	15.3	6.7	
9/11/2007	98	15510		9R 11L	Nest	26.6	30.5	25.3	15.3	6.6	extra c3l ant, c4l
9/11/2007	98	15511	15512	9R 11L	Nest	27.3	29.8	25.3	15.6	6.5	13L marginals (extra 3l)
9/11/2007	110	15513		9R 11L	Nest	28.2	31.8	28.0	15.8	7.7	
9/11/2007	110	15515		9R 11L	Nest	28.2	31.0	27.4	16.0	7.6	
9/11/2007	110	15516	15517	9R 11L	Nest	29.0	32.7	29.1	16.0	8.2	extra c1 (r,l) ant
9/11/2007	110	15518		9R 11L	Nest	27.3	31.2	28.1	15.7	7.2	
9/11/2007	110	15519	15520	9R 11L	Nest	29.1	32.5	28.0	16.8	7.9	extra V5

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9/11/2007	110	15521	15522	9R 11L	Nest	26.5	30.4	27.4	16.8	7.2	
9/11/2007	110	15523		9R 11L	Nest	26.8	31.1	27.7	15.7	7	
9/11/2007	65	15524	15525	9R 11L	Nest	27.2	30.6	26.5	15.8	6.9	
9/11/2007	65	15526		9R 11L	Nest	28.1	30.9	27.9	16.5	7.5	
9/11/2007	65	15528		9R 11L	Nest	27.1	31.4	28.6	16.1	7.7	
9/11/2007	65	15529	15530	9R 11L	Nest	26.5	30.3	29.2	15.4	7.1	extra v4 ant
9/11/2007	65	15531		9R 11L	Nest	27.7	31.3	29.5	16.3	7.9	
9/11/2007	67	15533		9R 11L	Nest	27.7	31.1	28.1	15.8	7.6	
9/11/2007	67	15534	15535	9R 11L	Nest	27.6	31.1	27.9	16.4	7.4	
9/11/2007	67	15536		9R 11L	Nest	27.7	31.3	29.2	16.5	7.7	
9/11/2007	67	15537	15538	9R 11L	Nest	26.8	31.1	27.7	15.3	7	
9/11/2007	67	15539	15540	9R 11L	Nest	28.2	30.2	27.9	15.8	7.6	
9/11/2007	67	15541		9R 11L	Nest	25.9	29.8	26.8	16.6	7.1	
9/11/2007	67	15542	15543	9R 11L	Nest	25.3	27.8	23.6	14.2	4.9	
9/11/2007	67	15544	15545	9R 11L	Nest	27.0	31.1	28.9	13.6	7.8	
9/11/2007	67	15546		9R 11L	Nest	28.1	32.6	28.1	15.2	7.4	extra c4l
9/11/2007	67	15547	15548	9R 11L	Nest	28.1	31.5	27.5	16.1	7.2	
9/11/2007	67	15549		9R 11L	Nest	27.8	31.5	28.1	16.1	7.8	
9/11/2007	67	15551		9R 11L	Nest	27.7	31.6	28.1	16.2	8	
9/11/2007	67	15552	15553	9R 11L	Nest	26.5	31.7	29.3	15.5	7.7	
9/11/2007	102	15554		9R 11L	Nest	29.6	33.7	29.8	16.6	9.3	extra c1 (r, l), a, c4l
9/11/2007	102	15556		9R 11L	Nest	29.8	33.4	30.0	16.4	9.3	
9/11/2007	102	15557	15558	9R 11L	Nest	31.1	34.8	31.2	17.2	9.6	extra c1la, 1rm is incompletely split
9/11/2007	102	15559		9R 11L	Nest	31.1	34.8	29.3	17.3	9.7	extra c1ra, extra c4r, c4l
9/11/2007	102	15561		9R 11L	Nest	30.0	33.9	29.2	16.9	9.1	extra c43, c4l
9/11/2007	102	15562	15563	9R 11L	Nest	30.0	33.9	29.3	15.5	8.4	extra c4l
9/11/2007	102	15564		9R 11L	Nest	28.7	32.5	29.1	16.3	8.4	extra c4r, c4l
9/11/2007	102	15566		9R 11L	Nest	29.6	33.1	29.7	17.9	9.4	extra c4r, c4l
9/11/2007	102	15567	15568	9R 11L	Nest	30.1	32.9	29.3	16.8	8.6	
9/11/2007	102	15569		9R 11L	Nest	29.8	33.5	29.1	16.9	8.5	extra c1ra, c4l
9/11/2007	104	15570	15571	9R 11L	Nest	25.9	29.1	25.7	14.3	5.7	extra c4r, c1 (r,l) a, 13 marginals (extra 1l)
9/11/2007	69	15572		9R 11L	Nest	28.0	30.6	26.3	15.7	7.2	extra c4r, c4l, small scute at gular, humeral, miline intersection
9/11/2007	69	15574		9R 11L	Nest	27.5	30.9	27.4	15.2	7.5	
9/11/2007	69	15575	15576	9R 11L	Nest	27.4	31.6	27.4	16.0	7.5	extra c4r, c4l, small scute at gular, humeral midline intersection
9/11/2007	69	15577		9R 11L	Nest	26.3	29.3	26.3	15.3	6.7	extra c4r (small), small scute at g/h/m intersection
9/11/2007	69	15579		9R 11L	Nest	27.3	29.5	25.3	15.4	6.4	small scute at gular humeral midline intersection
9/11/2007	69	15580	15581	9R 11L	Nest	28.1	30.9	26.9	16.5	7.1	2 extra v5 (side by side belovev5), extra c4r, extra c4l
9/11/2007	69	15582		9R 11L	Nest	27.9	31.3	27.1	15.9	7.1	extra v5, c4l, c4r, small scute at g/f/m intersection
9/11/2007	69	15584		9R 11L	Nest	27.1	31.7	27.3	15.8	7.4	
9/11/2007	69	15585	15586	9R 11L	Nest	29.5	31.2	27.5	15.8	7.5	
9/11/2007	69	15587		9R 11L	Nest	28.0	31.1	27.2	15.0	7	extra v5, 13 marginals
9/11/2007	69	15588	15589	9R 11L	Nest	27.4	30.2	26.3	16.0	6.9	extra c4l

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
9/11/2007	69	15590	15591	9R 11L	Nest	27.8	30.6	25.9	15.4	6.8	extra c4l, small scute at g/h/m intersection, small scute at h/p/m intersection, r femoral incompletely split in 2
9/11/2007	69	15592		9R 11L	Nest	28.5	31.4	26.9	15.6	7.4	
9/11/2007	69	15593	15594	9R 11L	Nest	28.1	31.1	26.4	15.9	7.2	small extra v4, extra c4r, c4l, small scute at g/h/m intersection
9/11/2007	70	15595		9R 11L	Nest	25.9	31.2	27.4	15.9	7.2	extra v5, c4r, c4l
9/11/2007	70	15597		9R 11L	Nest	26.5	31.1	26.2	15.6	6.9	
9/11/2007	70	15600		9R 11L	Nest	26.8	30.4	26.2	16.0	7	extra v5, c4r, c4l, c3l, 26 marginals (split 12's)
9/11/2007	70	15602		9R 11L	Nest	27.2	31.1	26.9	15.7	7.2	extra v5, small extra c4r, 26 marginals (split 12's)
9/11/2007	70	15603	15604	9R 11L	Nest	26.7	30.3	26.8	15.6	6.7	incompletelly split v5r, 13 r marginals extra 12s
9/11/2007	70	15605		9R 11L	Nest	24.3	28.2	26.0	15.1	5.7	26 marginals split 12's
9/11/2007	70	15606	15607	9R 11L	Nest	27.2	30.3	25.9	15.2	6.5	
9/11/2007	70	15608	15609	9R 11L	Nest	24.9	29.2	25.4	15.6	6	extra v5
9/11/2007	70	15610		9R 11L	Nest	26.4	31.0	26.0	15.9	6.9	extra c3r, c4r, c4l, 26 marginals extra 12's
9/11/2007	70	15611	15612	9R 11L	Nest	25.6	28.5	26.1	15.1	6	extra v4, c4l, 26 marginals extra 12's
9/11/2007	70	15613	15614	9R 11L	Nest	26.7	30.2	26.4	15.7	7	
9/11/2007	152	15615		9R 11L	Nest	27.8	32.5	27.9	17.0	8.1	elongated v4, small v5
9/11/2007	152	15616	15617	9R 11L	Nest	28.3	32.1	27.3	17.4	8.4	extra v5, small scute at g/h/m intersection
9/11/2007	152	15618		9R 11L	Nest	28.5	33.1	28.7	16.3	8.2	
9/11/2007	152	15620		9R 11L	Nest	27.5	31.9	26.4	16.5	7.5	elongated v4, small v5
9/11/2007	152	15621	15622	9R 11L	Nest	27.5	32.5	28.3	17.3	8.5	
9/11/2007	152	15623		9R 11L	Nest	27.8	31.5	26.2	16.2	7.2	small extra c1 (r, l), anterior, small scute at g/h/m intersection
9/11/2007	152	15625		9R 11L	Nest	28.0	31.9	28.1	16.8	7.8	small scute at g/h/m intersection
9/11/2007	152	15626	15627	9R 11L	Nest	28.2	31.2	27.3	16.0	8.5	extra v5, c4r, c4l, 26 marginals (extra 12s) small scute at g/h/m intersection
9/11/2007	152	15628		9R 11L	Nest	29.1	33.1	27.3	16.9	8.2	incompletely split v1r
9/11/2007	27	15630		9R 11L	Nest	29.0	33.1	29.0	15.8	7.7	extra c4r, c4l small scute at g/h/m intersection
9/11/2007	27	15631	15632	9R 11L	Nest	29.2	33.6	28.3	16.3	8.3	extra v5
9/11/2007	27	15633		9R 11L	Nest	28.9	33.3	29.8	15.6	8.5	
9/11/2007	27	15634	15635	9R 11L	Nest	29.7	33.3	29.5	16.1	8.2	extra c4r
9/11/2007	27	15636	15637	9R 11L	Nest	29.5	33.3	30.2	16.0	8.3	extra c4r, c3r
9/11/2007	27	15638		9R 11L	Nest	30.3	34.2	30.4	16.3	8.9	extra c4r, c4l
9/11/2007	27	15639	15640	9R 11L	Nest	28.2	32.5	29.2	15.8	8.2	extra c4r, c4l
9/11/2007	27	15641	15642	9R 11L	Nest	30.7	33.8	29.4	16.3	8.6	
9/11/2007	72	15643		9R 11L	Nest	30.2	32.6	29.1	16.6	8.5	
9/11/2007	72	15644	15645	9R 11L	Nest	28.7	32.5	28.9	16.7	8.1	
9/11/2007	72	15646		9R 11L	Nest	29.2	33.4	28.6	16.7	8.3	
9/11/2007	72	15648		9R 11L	Nest	29.7	32.7	28.1	16.6	8.1	
9/11/2007	72	15649	15650	9R 11L	Nest	29.1	32.5	28.1	16.0	7.8	
9/11/2007	72	15651		9R 11L	Nest	28.9	32.9	28.7	15.9	8.8	
9/11/2007	72	15653		9R 11L	Nest	29.3	32.7	29.5	16.6	8.4	
9/11/2007	72	15654	15655	9R 11L	Nest	29.2	33.1	28.2	16.8	8.6	
9/11/2007	134	15656		9R 11L	Nest	29.6	31.5	27.2	16.1	7.9	extra c4r, extra c4l
9/11/2007	134	15657	15658	9R 11L	Nest	27.5	31.3	27.2	15.6	7.4	
9/11/2007	134	15659	15660	9R 11L	Nest	28.5	32.6	27.6	15.0	7.5	extra v4, c4r, c4l

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9/11/2007	134	15661		9R 11L	Nest	30.0	34.3	29.3	16.1	9	
9/11/2007	134	15662	15663	9R 11L	Nest	28.1	33.2	28.7	16.2	8.6	
9/11/2007	134	15664		9R 11L	Nest	27.2	31.2	27.6	15.1	7.3	
9/11/2007	134	15666		9R 11L	Nest	28.5	32.5	28.2	15.2	7.3	
9/11/2007	134	15667	15668	9R 11L	Nest	28.6	31.8	27.4	15.6	7.4	
9/11/2007	134	15669		9R 11L	Nest	27.0	30.4	27.1	14.9	6.7	extra c4r (small)
9/11/2007	134	15670	15671	9R 11L	Nest	30.3	33.2	29.3	16.3	9.2	long c4l extra (small) , c4l, v5 to r of midline
9/11/2007	134	15672		9R 11L	Nest	29.9	33.4	28.1	16.8	8.8	extra c4l
9/11/2007	134	15674		9R 11L	Nest	28.9	32.6	27.2	15.9	7.8	extra c4r, c4l
9/11/2007	167	15675	15676	9R 11L	Nest	28.1	31.1	27.4	15.3	7.8	
9/11/2007	167	15677		9R 11L	Nest	25.6	30.8	27.0	16.0	7.5	
9/11/2007	167	15679		9R 11L	Nest	28.3	31.4	27.3	15.8	7.8	
9/11/2007	167	15680	15681	9R 11L	Nest	26.6	29.3	26.3	14.8	6.1	
9/11/2007	167	15682		9R 11L	Nest	27.2	31.5	28.1	16.0	8.1	
9/11/2007	167	15683	15684	9R 11L	Nest	27.8	31.0	28.1	15.6	7.8	
9/11/2007	167	15685	15686	9R 11L	Nest	25.5	29.1	25.7	15.1	6.2	small extra c1 ant
9/11/2007	167	15687		9R 11L	Nest	27.8	30.5	27.2	15.4	7.4	
9/11/2007	167	15688	15689	9R 11L	Nest	27.8	31.0	27.4	15.7	7.9	
9/11/2007	167	15690		9R 11L	Nest	24.9	28.4	25.9	14.9	5.9	
9/11/2007	138	15692		9R 11L	Nest	28.1	32.4	28.1	15.2	8.4	
9/11/2007	138	15693	15694	9R 11L	Nest	28.9	33.2	29.4	15.7	8.8	
9/11/2007	138	15695		9R 11L	Nest	28.4	32.2	29.1	16.1	8.5	
9/11/2007	138	15697		9R 11L	Nest	27.2	31.6	28.1	16.0	8.3	
9/11/2007	138	15698	15699	9R 11L	Nest	27.4	31.1	26.6	15.7	7.7	v1 incompletely split (r side), extra v3, v4, c4r, c1la, c2l, 26 marginals
9/11/2007	138	15700		9R 11L	Nest	28.6	33.6	28.2	16.0	8.7	extra v4, c4l
9/11/2007	138	1531		9R 11L	Nest	27.3	31.6	29.5	16.2	8.6	
9/11/2007	138	1533		9R 11L	Nest	28.0	32.5	27.5	16.1	8.3	
9/11/2007	138	1534		9R 11L	Nest	26.7	31.4	28.0	14.8	7.5	extra c3l, 13 marginals (12 split), small extra c4r
9/11/2007	138	1536		9R 11L	Nest	28.1	32.6	27.2	16.0	8.4	26 marginals (split 12s)
9/11/2007	138	1537	1538	9R 11L	Nest	28.1	32.7	29.8	16.1	8.6	extra v1, v2, v3, v4, extra c1l posterior
9/11/2007	138	1539		9R 11L	Nest	27.6	32.8	28.0	16.2	8.6	
9/11/2007	138	1541		9R 11L	Nest	27.8	32.5	28.2	15.9	8.8	extra v4, c4l, tail deformed/ broken curved back towards carapace
9/11/2007	138	1542	1543	9R 11L	Nest	28.5	33.0	27.8	16.2	8.5	extra v2, 2 extra v5's (1 small, 1 large), c2l, c3l, 26 marginals
9/11/2007	142	1544		9R 11L	Nest	28.1	32.8	27.8	15.2	8	
9/11/2007	142	1545	1546	9R 11L	Nest	29.5	35.1	30.7	16.3	10.1	
9/11/2007	142	1547		9R 11L	Nest	28.3	33.3	29.0	16.2	8.9	
9/11/2007	142	1549		9R 11L	Nest	31.0	34.9	29.5	16.1	9.8	
9/11/2007	142	1550	1551	9R 11L	Nest	29.8	33.8	28.7	17.2	9.4	
9/11/2007	142	1552		9R 11L	Nest	29.6	33.5	28.9	16.7	9.1	
9/11/2007	142	1553	1554	9R 11L	Nest	28.9	34.0	29.2	16.2	9	
9/11/2007	142	1555		9R 11L	Nest	29.7	34.2	29.0	16.4	9.4	
9/11/2007	160	1557		9R 11L	Nest	29.2	33.6	28.6	15.9	9.2	extra v4, v5 (incomplete split) small c4r
9/11/2007	160	1558	1559	9R 11L	Nest	29.9	32.7	29.0	16.2	9	
9/11/2007	160	1560		9R 11L	Nest	26.1	29.7	26.0	15.0	6.3	
9/11/2007	160	1562		9R 11L	Nest	30.0	32.6	29.0	16.0	8.8	

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9/11/2007	160	1563	1564	9R 11L	Nest	26.7	30.6	27.2	15.2	6.9	extra v4, c4l
9/11/2007	160	1565		9R 11L	Nest	28.5	32.6	29.0	16.9	8.7	
9/11/2007	160	1566	1567	9R 11L	Nest	28.6	32.0	26.0	15.5	7.4	
9/11/2007	160	1568		9R 11L	Nest	26.2	30.0	26.9	14.9	6.5	
9/11/2007	160	1570		9R 11L	Nest	27.4	31.3	28.2	15.6	7.8	
9/11/2007	160	1571	1572	9R 11L	Nest	26.7	30.5	26.3	15.2	6.9	extra c1l anterior
9/11/2007	160	1573		9R 11L	Nest	29.3	32.6	27.6	16.0	8.4	
9/11/2007	160	1575		9R 11L	Nest	29.3	31.9	27.9	16.1	8	
9/11/2007	47	1576	1577	9R 11L	Nest	23.2	29.1	25.4	15.1	5.8	dry layer of skin
9/11/2007	47	1578		9R 11L	Nest	24.3	29.0	26.2	15.1	6.2	dry layer of skin
9/11/2007	144	1579	1580	9R 11L	Nest	30.0	33.3	27.7	17.0	8.6	
9/11/2007	144	1581		9R 11L	Nest	27.6	31.6	26.4	15.6	6.9	
9/11/2007	144	1583		9R 11L	Nest	28.1	31.3	27.8	15.3	7	extra c4r
9/11/2007	144	1584	1585	9R 11L	Nest	27.8	30.9	26.9	14.8	6.7	
9/11/2007	144	1586		9R 11L	Nest	30.0	33.3	27.7	16.5	7.9	
9/11/2007	144	1587	1588	9R 11L	Nest	25.3	28.8	24.9	14.2	5.4	
9/11/2007	144	1589		9R 11L	Nest	29.1	32.7	27.8	16.2	8	
9/11/2007	144	1591		9R 11L	Nest	29.5	32.5	28.9	15.6	7.6	
9/11/2007	144	1592	1593	9R 11L	Nest	30.2	33.8	28.7	16.6	8.5	
9/11/2007	144	1594		9R 11L	Nest	25.7	29.2	24.9	15.4	6.2	
9/11/2007	144	1596		9R 11L	Nest	27.0	31.6	27.2	15.3	6.9	
9/12/2007	110	1597	1598	9R 11L	Nest	26.7	31.0	26.9	16.7	7.7	
9/12/2007	63	1599		9R 11L	Nest	27.2	30.5	26.3	15.3	7.2	
9/12/2007	63	1600	1601	9R 11L	Nest	26.2	30.1	26.3	16.1	7.2	small extra c4l
9/12/2007	63	1602		9R 11L	Nest	25.4	29.6	26.0	15.1	6.3	
9/12/2007	63	1604		9R 11L	Nest	26.1	29.6	26.8	15.6	6.9	
9/12/2007	63	1605	1606	9R 11L	Nest	26.7	31.1	27.7	15.8	7.4	
9/12/2007	63	1607		9R 11L	Nest	26.7	30.0	26.0	16.0	7.1	
9/12/2007	63	1609		9R 11L	Nest	26.1	30.3	26.1	16.2	7	extra v5, c4r, c4l
9/12/2007	63	1610	1611	9R 11L	Nest	27.1	29.7	26.2	15.4	6.8	
9/12/2007	63	1612		9R 11L	Nest	27.2	30.1	26.9	16.3	7.7	small scute at g/h/m intersection
9/12/2007	63	1613	1614	9R 11L	Nest	26.0	29.7	24.6	15.7	6.2	
9/12/2007	152	1615		9R 11L	Nest	27.5	31.0	27.8	16.2	7.5	
9/12/2007	27	1617		9R 11L	Nest	27.8	32.2	26.8	16.3	7.7	extra v4, small extra v5, (split lateraly), small scute at g/h/m intersection
9/12/2007	27	1618	1619	9R 11L	Nest	28.9	32.0	28.8	15.5	7.9	extra c4l
9/12/2007	27	1620		9R 11L	Nest	28.8	32.6	28.8	16.4	8	
9/12/2007	27	1621	1622	9R 11L	Nest	28.6	31.7	28.1	16.1	7.4	
9/12/2007	169	1623		9R 11L	Nest	26.6	29.9	26.1	15.8	7.4	
9/12/2007	169	1625		9R 11L	Nest	28.8	31.6	26.7	15.9	8.3	
9/12/2007	169	1626	1627	9R 11L	Nest	26.8	29.8	25.9	15.8	7.4	
9/12/2007	169	1628		9R 11L	Nest	26.4	29.0	26.0	14.8	6.9	extra c1r ant
9/12/2007	169	1629	1630	9R 11L	Nest	26.6	30.3	25.8	16.2	7.3	
9/12/2007	169	1631		9R 11L	Nest	26.5	29.4	25.3	15.6	6.4	
9/12/2007	169	1633		9R 11L	Nest	29.0	32.0	28.6	16.8	8.6	extra c1 r ant
9/12/2007	169	1634	1635	9R 11L	Nest	26.6	30.0	25.7	14.5	6.6	

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9/12/2007	137	1636		9R 11L	Nest	26.7	30.1	27.5	15.5	7.1	small extra c1 ant, 2 small scutes at f/ana mid intersection, incomplete sutures from p/h/m going diagonally anerior and lateral on humeral
9/12/2007	137	1637	1638	9R 11L	Nest	27.4	31.6	29.1	16.1	7.7	
9/12/2007	137	1639		9R 11L	Nest	27.1	32.2	29.2	16.2	8.1	1 extra scute to r of f/m ana/mid intersection
9/12/2007	137	1641		9R 11L	Nest	27.9	31.1	28.9	16.4	8.4	
9/12/2007	137	1642	1643	9R 11L	Nest	27.7	31.5	28.3	15.8	7.2	
9/12/2007	137	1644		9R 11L	Nest	28.2	30.3	28.0	16.1	7.5	extra v2. v3, v4, small extra v5, 11 marginals
9/12/2007	137	1645	1646	9R 11L	Nest	27.0	30.8	27.9	15.6	7.2	
9/12/2007	138	1647	1648	9R 11L	Nest	28.1	32.2	28.5	16.4	8.9	
9/12/2007	138	1649		9R 11L	Nest	27.7	31.5	27.0	16.0	7.9	13 marginals
9/12/2007	138	1650	1651	9R 11L	Nest	28.3	32.3	28.3	16.0	8.6	
9/12/2007	138	1652		9R 11L	Nest	27.9	32.6	28.7	16.0	8.3	extra v1, v2, c4l
9/12/2007	47	1654		9R 11L	Nest	22.7	27.7	25.0	13.9	5.3	dry extra layer of skin, very weak scutes, tore while notching
9/12/2007	47	1655		9R 11L	Nest	23.4	27.3	24.1	14.2	5.5	extra dry layer of skin
9/13/2007	65	1657		9R 11L	Nest	26.7	30.5	28.0	16.0	6.9	
9/14/2007	11	1658	1659	9R 11L	Nest	27.8	32.1	28.1	15.8	8	
9/14/2007	11	1660		9R 11L	Nest	28.1	32.6	29.7	16.6	8.6	
9/15/2007	174	1661	1662	9R 11L	Nest	26.8	29.5	25.3	15.5	7.1	no nuchal extended 1s
9/15/2007	174	1663		9R 11L	Nest	26.9	29.7	25.6	16.0	7.2	
9/15/2007	174	1665		9R 11L	Nest	24.5	27.9	24.5	15.0	6	extra v5 split laterally
9/15/2007	174	1666	1667	9R 11L	Nest	22.9	25.6	22.3	14.4	5.4	
9/15/2007	65	1668		9R 11L	Nest	26.7	29.9	27.1	15.9	6.6	
9/15/2007	65	1669	1670	9R 11L	Nest	27.0	30.7	28.9	15.8	7.1	
9/15/2007	126	1671		9R 11L	Nest	27.6	32.1	26.9	16.3	7.3	small extra c4l, 13 r marginals visitors center
9/15/2007	126	1673		9R 11L	Nest	28.2	31.0	26.2	15.9	7.6	extra v5, c1r, c2r, c3r, c4r, c2l, 26 marginals small scute between humerals
9/15/2007	126	1674	1675	9R 11L	Nest	28.0	33.4	29.1	15.5	8	extra v2, v3, v4, c4r, c2l, c4l, 13 r marginals
9/15/2007	126	1676		9R 11L	Nest	29.2	32.1	28.9	16.7	8.6	extra v4, v5, c3r, c4r, c1l post, v1 second extra v5 small laterally split off, 26 marginals
9/15/2007	126	1677	1678	9R 11L	Nest	28.2	32.6	28.1	16.4	7.7	extra v3, c2rant, c3r, c4r
9/15/2007	126	1679		9R 11L	Nest	26.7	31.8	27.9	15.8	6.9	extra v4, v5, c4r, 13 r marginals
9/15/2007	126	1681		9R 11L	Nest	27.5	31.2	27.3	15.9	7.2	extra v1, v3, v4, v5, c1ra, c2r, c3l, c4l, 26 marginals
9/15/2007	126	1682	1683	9R 11L	Nest	26.7	29.8	27.5	15.4	7.1	extra v3, v4, v5, c4l, small scute between humerals
9/17/2007	174	1684		9R 11L	Nest	25.0	28.3	25.2	14.6	6	
9/17/2007	174	1685	1686	9R 11L	Nest	23.6	27.2	23.4	14.9	5.7	
9/17/2007	174	1687	1688	9R 11L	Nest	28.0	33.1	29.6	16.3	8.7	extra c4r, c4l
9/17/2007	174	1689		9R 11L	Nest	27.8	32.3	28.5	15.9	8	extra c4r, c4l
9/17/2007	174	1690	1691	9R 11L	Nest	29.1	32.5	28.6	17.0	8.7	
9/17/2007	174	1692		9R 11L	Nest	27.4	32.0	28.5	15.6	7.7	extra c3r, c4r, c4l
9/17/2007	174	1693	1694	9R 11L	Nest	29.1	33.5	29.4	16.1	8.6	extra c3r, c2l, c4l
9/17/2007	174	1695		9R 11L	Nest	27.7	32.0	28.1	16.3	8	
9/18/2007	65	1697		9R 11L	Nest	25.8	30.1	28.8	15.7	7.1	
9/18/2007	165	1698	1699	9R 11L	Nest	27.0	30.5	27.4	15.7	7.2	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
9/18/2007	165	1700		9R 11L	Nest	27.1	30.3	28.0	15.9	7.4	13 l marginals split 1l
9/18/2007	165	1702		9R 11L	Nest	26.8	31.2	27.8	16.3	7.5	extra v5, c4r
9/18/2007	165	1703	1704	9R 11L	Nest	27.1	30.7	28.1	15.8	7.7	
9/18/2007	165	1705		9R 11L	Nest	25.5	29.6	27.2	15.6	6.7	
9/18/2007	165	1706	1707	9R 11L	Nest	25.1	29.1	26.8	14.9	6.3	
9/18/2007	165	1708		9R 11L	Nest	26.1	29.1	26.2	15.3	6.2	
9/18/2007	165	1710		9R 11L	Nest	23.8	28.2	26.2	15.0	5.8	
9/18/2007	165	1711	1712	9R 11L	Nest	24.1	27.3	25.3	14.6	5.4	
9/18/2007	165	1713		9R 11L	Nest	23.1	26.6	25.2	14.4	5.3	extra v2 ant
9/19/2007	171	1714	1715	9R 11L	Nest	26.0	30.3	26.5	15.7	6.4	
9/19/2007	171	1716		9R 11L	Nest	26.2	30.5	26.7	16.0	7	
9/19/2007	171	1718		9R 11L	Nest	26.5	29.2	26.1	14.6	6.3	
9/19/2007	171	1719	1720	9R 11L	Nest	28.7	32.3	28.7	17.1	8.9	
9/19/2007	171	1721		9R 11L	Nest	27.1	30.6	27.9	15.5	7.4	
9/19/2007	171	1722	1723	9R 11L	Nest	26.6	30.4	26.3	15.2	7	extra v3, c4l
9/19/2007	171	1724		9R 11L	Nest	28.5	32.3	28.5	16.6	8.5	
9/19/2007	171	1726		9R 11L	Nest	27.5	32.1	27.7	16.5	8	
9/19/2007	171	1727	1728	9R 11L	Nest	26.9	31.0	26.6	15.1	6.7	
9/19/2007	129	1729		9R 11L	Nest	29.9	32.2	27.7	15.6	7.8	extra v3, v4, v5 c1r post, c2l, small 4l, small scute g/h/m
9/19/2007	129	1730	1731	9R 11L	Nest	27.0	30.7	27.2	15.2	7.2	small scute at g/h/m intersection
9/19/2007	129	1732		9R 11L	Nest	26.7	30.0	24.5	15.0	6	extra v3, v4, v5, c1r post, c2r, c4r (small), c2l, small scute g/h/m int
9/19/2007	129	1734		9R 11L	Nest	30.4	32.9	26.9	16.2	7.8	extra c4l
9/19/2007	129	1735	1736	9R 11L	Nest	28.9	32.6	27.7	15.7	7.7	extra v2, v3, v4, c1r post, c2r, c4r, (1l post, c3l, c4l, 26 marginals small scute ag g/h/m and p/h/m int
9/20/2007	171	1737		9R 11L	Nest	27.4	31.9	28.0	15.9	8.1	
9/20/2007	171	1738	1739	9R 11L	Nest	27.9	33.3	28.1	16.0	8.4	
9/20/2007	165	1740		9R 11L	Nest	26.4	31.0	28.5	15.4	6.9	
9/20/2007	165	1742		9R 11L	Nest	30.9	26.8	25.2	14.0	4.9	
9/20/2007	129	1743	1744	9R 11L	Nest	29.4	32.2	27.9	15.0	7.5	extra v3, v4, c2r, small scute at g/h/m int
9/20/2007	129	1745		9R 11L	Nest	26.4	29.0	24.9	14.3	5.8	extra v3, v4, v5,, c32r, c3r, c3l ant, c4l
9/20/2007	129	1746	1747	9R 11L	Nest	28.4	31.7	27.8	15.8	7.5	appears ingured like something took a chunk out of l. face, l. eye swollen shut, gradually began to open over 3 days, small scuta t g/h/m, extra v3, v4, c2ra, c3r, c2la, c3la, 13 r marginals
9/22/2007	165	1748		9R 11L	Nest	26.0	30.9	28.0	15.7	7	
9/22/2007	165	1750		9R 11L	Nest	24.0	28.1	26.0	14.9	5.8	
9/22/2007	65	1751	1752	9R 11L	Nest	26.0	29.2	26.1	15.0	6.3	
9/22/2007	104	1753		9R 11L	Nest	28.5	31.0	27.6	15.0	6.9	extra v4, v5, c1ra, c3r, c1la
9/22/2007	104	1755		9R 11L	Nest	26.2	29.7	26.3	14.2	6	extra v4, c4r, c4l, c1la
9/22/2007	137	1756		9R 11L	Nest	27.6	31.6	29.0	15.7	7.7	extra v2, v3, (split along midlin)
9/22/2007	137	1758		9R 11L	Nest	27.2	31.0	27.6	16.2	7.3	extra (vr small)
9/22/2007	137	1759	1760	9R 11L	Nest	26.5	30.3	27.7	15.8	6.8	
9/22/2007	137	1761		9R 11L	Nest	26.7	30.9	27.5	15.8	7	large c3, small c4, 11 & 12 l marginals split ventrally but not dorsally
9/22/2007	137	1762	1763	9R 11L	Nest	27.2	31.5	29.1	15.4	7.4	
9/22/2007	167	1764		9R 11L	Nest	24.2	27.8	25.6	14.7	5.5	small extra c1ra

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
9/22/2007	167	1766		9R 11L	Nest	27.2	30.8	27.5	15.8	7.2	
9/22/2007	167	1767	1768	9R 11L	Nest	27.8	31.5	27.9	16.2	7.7	
9/22/2007	144	1769		9R 11L	Nest	24.3	29.0	24.8	14.5	5.4	r side shell slightly concave
9/22/2007	144	1771		9R 11L	Nest	28.8	31.7	27.6	15.9	7.5	r side shell slightly concave
9/22/2007	144	1772		9R 11L	Nest	28.2	32.0	27.7	15.8	7.2	r side shell slightly concave
9/22/2007	144	1774		9R 11L	Nest	26.4	30.0	26.3	14.0	5.8	extra c4l
9/22/2007	162	1775	1776	9R 11L	Nest	27.7	31.2	27.5	15.5	7.2	
9/22/2007	162	1777		9R 11L	Nest	27.8	31.8	27.3	15.2	7.2	
9/22/2007	162	1778	1779	9R 11L	Nest	28.2	33.0	28.4	16.2	8.1	
9/22/2007	162	1780	1781	9R 11L	Nest	28.5	32.9	28.7	15.9	8.1	
9/22/2007	162	1782		9R 11L	Nest	28.5	32.1	28.2	16.5	8.2	
9/22/2007	162	1783	1784	9R 11L	Nest	26.8	31.0	26.3	15.0	6.5	
9/22/2007	162	1785		9R 11L	Nest	26.1	30.0	27.0	15.2	6.4	
9/22/2007	162	1787		9R 11L	Nest	25.3	29.7	26.2	14.4	6	
9/22/2007	162	1788	1789	9R 11L	Nest	24.1	28.2	25.6	14.1	5.4	
9/22/2007	162	1790		9R 11L	Nest	23.2	27.2	23.6	13.3	4.8	extra c4l, v5l split laterally
9/22/2007	162	1791	1792	9R 11L	Nest	23.3	26.9	23.8	13.2	4.8	
9/23/2007	171	1793		9R 11L	Nest	26.9	30.4	28.0	14.8	7.1	
9/25/2007	65	1795		9R 11L	Nest	28.1	31.5	28.2	15.9	7.8	
9/25/2007	129	1796	1797	9R 11L	Nest	26.7	29.6	26.2	15.0	6.7	extra v1, v3, c1ra, c2ra
9/25/2007	73	1798		9R 11L	Nest	28.0	31.6	28.1	15.0	7.6	
9/25/2007	73	1799	1800	9R 11L	Nest	27.5	30.8	27.1	15.7	7.5	
9/25/2007	73	1801		9R 11L	Nest	27.9	32.0	27.8	15.6	7.7	
9/25/2007	220	1803		9R 11L	Nest	26.3	31.4	28.9	16.6	8.1	
9/25/2007	74	1804	1805	9R 11L	Nest	26.6	30.9	27.0	16.2	7.6	
9/26/2007	161	1806		9R 11L	Nest	28.0	31.1	28.1	15.8	8.2	small extra c4r
9/26/2007	161	1807	1808	9R 11L	Nest	27.5	31.1	26.2	16.8	7.8	
9/26/2007	161	1809		9R 11L	Nest	25.9	29.9	26.8	15.1	6.9	extended v4, small v5, extra c4r, c4l
9/26/2007	172	1811		9R 11L	Nest	27.5	31.3	27.1	15.1	7.2	
9/26/2007	172	1812		9R 11L	Nest	26.5	32.0	28.6	15.6	7.7	
9/26/2007	172	1814		9R 11L	Nest	26.8	31.1	27.0	14.8	7	
9/26/2007	172	1815	1816	9R 11L	Nest	26.4	31.8	28.2	15.6	7.7	
9/26/2007	172	1817		9R 11L	Nest	27.5	32.1	28.6	15.4	7.6	
9/26/2007	172	1819		9R 11L	Nest	26.8	31.8	27.6	15.3	7.5	
9/26/2007	172	1820	1821	9R 11L	Nest	27.5	31.9	27.4	15.2	7.7	
9/26/2007	172	1822		9R 11L	Nest	27.4	32.7	29.0	15.7	8.1	
9/26/2007	172	1823	1824	9R 11L	Nest	25.9	31.0	26.5	14.8	6.4	
9/26/2007	172	1825		9R 11L	Nest	24.6	29.2	25.6	14.4	5.9	
9/26/2007	73	1827		9R 11L	Nest	27.2	30.8	27.3	15.7	7.6	
10/2/2007	126	1828	1829	9R 11L	Nest	26.9	31.8	28.2	16.3	7.9	
10/2/2007	126	1830		9R 11L	Nest	25.5	31.1	27.0	15.8	6.6	
10/2/2007	126	1831	1832	9R 11L	Nest	25.1	26.8	24.5	14.9	5.3	still has egg tooth, likelyver recent hatcling, slow developer, extra v3, v5, c4l, extra scute btwn humerals, extra c4r
10/2/2007	45	1833		9R 11L	Nest	27.7	31.1	28.2	15.7	7.5	
10/2/2007	45	1835		9R 11L	Nest	28.0	32.2	28.2	16.0	7.9	
10/2/2007	45	1836	1837	9R 11L	Nest	29.1	33.1	29.2	15.5	8.2	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
10/2/2007	45	1838		9R 11L	Nest	29.4	31.8	29.0	16.3	8.5	
10/2/2007	45	1839	1840	9R 11L	Nest	27.4	31.3	27.5	15.3	6.9	
10/2/2007	45	1841	1842	9R 11L	Nest	28.8	32.5	28.6	15.9	8.6	
10/2/2007	45	1843		9R 11L	Nest	27.8	31.3	28.2	15.1	7.9	
10/2/2007	45	1844	1845	9R 11L	Nest	28.2	32.0	28.3	15.5	7.6	
10/2/2007	45	1846		9R 11L	Nest	28.5	32.7	29.5	15.1	7.9	
10/2/2007	45	1848		9R 11L	Nest	28.0	32.2	28.4	15.2	7.6	
10/2/2007	45	1849	1850	9R 11L	Nest	28.0	31.8	29.2	14.8	7.6	
10/2/2007	45	1851		9R 11L	Nest	28.1	32.5	28.4	15.5	8.2	extra v4 c4r
10/3/2007	111	1852	1853	9R 11L	Nest	28.4	32.0	28.6	15.5	7.9	extra v5, c4l
10/3/2007	111	1854		9R 11L	Nest	27.4	32.2	28.9	15.8	7.9	
10/3/2007	111	1856		9R 11L	Nest	27.4	31.0	28.2	16.0	7.8	
10/3/2007	111	1857	1858	9R 11L	Nest	28.9	32.3	28.5	15.8	8.1	extra v5, c4l
10/3/2007	111	1859		9R 11L	Nest	27.1	31.0	27.1	15.7	7.6	
10/3/2007	111	1860		9R 11L	Nest	27.8	31.2	28.9	15.3	7.3	
10/3/2007	111	1862		9R 11L	Nest	27.9	31.7	29.3	15.2	7.8	
10/3/2007	111	1864		9R 11L	Nest	27.1	31.1	27.2	15.3	6.8	extra v5, c4l, 26 marginals
10/3/2007	111	1865	1866	9R 11L	Nest	27.5	32.2	29.4	15.8	7.9	extra c1ra, c1la
10/3/2007	111	1867		9R 11L	Nest	27.9	31.8	28.9	15.8	7.6	v5 split innot 3 scutes (2 extra v5), extra c4l
10/3/2007	111	1868	1869	9R 11L	Nest	27.3	30.2	27.6	14.2	6.9	extra v1 ant, v2, v3, v4, c4f, c4l, small m1r, 13 rm slightly leptykurtic?
10/3/2007	111	1870		9R 11L	Nest	28.0	32.0	28.9	15.7	7.8	
10/3/2007	111	1872		9R 11L	Nest	28.4	32.3	29.1	16.2	8.2	
10/3/2007	111	1873	1874	9R 11L	Nest	26.9	30.2	27.2	15.6	6.6	
10/3/2007	111	1875		9R 11L	Nest	26.0	30.0	26.7	16.0	6.6	extra c1la, 1rm is incompletely split
10/4/2007	185	1876	1877	9R 11L	Nest	28.1	31.1	28.1	15.9	8.2	v5 split along midline, nonuchal extended 1ms
10/4/2007	185	1878		9R 11L	Nest	28.3	31.6	29.1	16.2	8.1	small scute at g/h/m intersection
10/4/2007	185	1880		9R 11L	Nest	28.1	30.9	28.0	16.1	8.2	small scute at g/h/m intersection
10/4/2007	185	1881	1882	9R 11L	Nest	26.9	29.9	26.6	14.5	6.6	
10/4/2007	185	1883		9R 11L	Nest	27.5	30.5	26.5	15.6	6.9	extra c4r
10/4/2007	185	1885		9R 11L	Nest	26.6	29.9	26.0	14.3	6.6	
10/4/2007	185	1886	1887	9R 11L	Nest	24.9	28.7	26.1	13.8	5.8	small scute at g/h/m intersection
10/4/2007	185	1888		9R 11L	Nest	24.0	28.9	24.9	14.7	5.8	no nuchal extended 1s
10/4/2007	185	1889	1890	9R 11L	Nest	24.6	28.0	25.1	14.0	5.7	
10/4/2007	185	1891		9R 11L	Nest	23.2	27.9	24.3	13.7	5.1	lower left jaw swollen
10/4/2007	75	1893		9R 11L	Nest	26.3	32.0	27.8	16.2	5.3	
10/4/2007	81	1894	1895	9R 11L	Nest	27.4	31.8	28.0	15.2	7.4	
10/4/2007	81	1896		9R 11L	Nest	27.1	31.7	28.3	15.9	7.2	
10/4/2007	81	1897	1898	9R 11L	Nest	27.6	31.8	28.6	15.8	6.9	
10/6/2007	65	1899		9R 11L	Nest	27.6	30.0	29.2	15.4	7	extra v1 ant, v2, c2l
10/6/2007	74	1901		9R 11L	Nest	26.1	30.2	27.3	15.4	7.5	
10/6/2007	74	1902	1903	9R 11L	Nest	26.9	31.1	27.3	15.8	7.6	
10/7/2007	148	dead		NA	Nest	22.6	26.5	23.8	14.2	4.6	dead, scute btwn humerals
10/7/2007	148	1904		12R 11L	Nest	25.7	30.7	28.1	15.4	7	
10/7/2007	148	1905	1906	10R	Nest	25.1	30.5	28.3	15.4	6.8	
10/7/2007	148	1907		10R	Nest	28.1	32.8	30.1	16.5	8.9	small scute at g/h/m intersection
10/7/2007	148	1909		10R	Nest	26.3	32.2	28.6	15.6	7.5	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
10/7/2007	148	1910	1911	10R	Nest	25.5	30.2	28.0	15.7	6.9	small extra c4r
10/7/2007	148	1912		10R	Nest	26.4	31.0	27.8	15.2	7.5	
10/7/2007	148	1914		10R	Nest	26.8	31.5	28.1	16.1	7.7	extended v4, small v5, small extra c4l
10/7/2007	148	1915	1916	10R	Nest	26.2	32.3	29.0	15.5	8	
10/7/2007	148	1917		10R	Nest	23.2	29.1	26.3	14.7	5.7	small extra c4l
10/7/2007	148	1918	1919	10R	Nest	23.9	29.1	26.1	14.9	6.2	small v5 on posteriorl, small scute at g/h/m intersection
10/7/2007	148	1920		10R	Nest	22.8	26.9	24.8	13.5	4.8	
10/7/2007	161	1922		12R 11L	Nest	26.9	30.5	26.2	17.4	7.8	
10/7/2007	161	1923	1924	12R 11L	Nest	26.9	30.1	27.3	16.5	7.3	extended v4, small v5
10/7/2007	161	1925		12R 11L	Nest	26.7	29.8	26.7	16.1	7.4	extra v4, small v5, extra c4l
10/9/2007	221	1927		12R 11L	Nest	26.2	31.1	28.2	15.5	7.5	
10/9/2007	221	1928	1929	12R 11L	Nest	27.2	31.4	28.4	15.2	7.6	egg tooth recent hatchling, small extra c4l
10/15/2007	170	1930		12R 11L	Nest	25.8	28.8	26.3	14.9	5.9	
10/15/2007	170	1931	1932	12R 11L	Nest	29.3	33.6	29.6	16.4	8.7	
10/15/2007	170	1933		12R 11L	Nest	27.1	31.1	28.7	15.9	7.4	
10/15/2007	170	1935		12R 11L	Nest	26.6	30.6	27.1	15.5	6.9	
10/15/2007	170	1936	1937	12R 11L	Nest	25.2	28.2	25.8	14.0	5.4	extended v4, very small v5, extra c4r, c4l, small scute at g/h/m intersection
10/15/2007	170	1938		12R 11L	Nest	26.1	29.7	27.0	15.1	6.3	small scute at g/h/m intersection
10/15/2007	170	1939	1940	12R 11L	Nest	23.7	27.6	25.5	13.6	5.1	
10/15/2007	170	1941		12R 11L	Nest	25.3	28.0	25.3	15.8	5.9	extra v4, c4r
10/15/2007	140	1943		12R 11L	Nest	26.8	31.5	26.8	15.4	7.3	
10/15/2007	140	1944	1945	12R 11L	Nest	27.7	32.2	28.9	15.5	8.4	extra 2cl
10/15/2007	140	1946		12R 11L	Nest	27.6	32.3	28.0	15.7	7.6	extra c1ra, c1la, small extra c4r
10/15/2007	140	1948		12R 11L	Nest	26.9	30.1	28.1	15.3	7.7	crooked v2, v3, extra c1l, c2l, c3l, c4l, v5, midline cooked (appears aarm, 13lm)
10/15/2007	140	1949	1950	12R 11L	Nest	28.4	32.6	29.1	15.1	7.9	extra c4r
10/15/2007	140	1951		12R 11L	Nest	27.8	32.4	28.8	15.6	8	extra c4r, c4l
10/15/2007	140	1952	1953	12R 11L	Nest	27.3	32.6	29.1	15.5	8	
10/15/2007	140	1954		12R 11L	Nest	28.0	32.1	28.1	15.3	7.8	
10/15/2007	140	1956		12R 11L	Nest	27.6	32.3	28.9	15.3	8.2	
10/15/2007	140	1957	1958	12R 11L	Nest	26.0	30.8	27.6	15.9	7.2	
10/15/2007	140	1959		12R 11L	Nest	28.1	31.5	28.0	14.9	8.2	
10/15/2007	140	1960	1961	12R 11L	Nest	27.9	32.2	27.9	15.8	8.4	extra c1ra, c1la, small scute at g/h/m intersection
10/15/2007	140	1962		12R 11L	Nest	27.2	31.2	28.2	15.2	7.9	
10/15/2007	140	1964		12R 11L	Nest	27.2	32.0	28.2	15.6	7.9	
10/15/2007	181	1965	1966	12R 11L	Nest	28.0	32.2	27.8	15.7	7.5	
10/15/2007	181	1967		12R 11L	Nest	27.2	31.7	28.6	16.2	8.1	
10/15/2007	181	1968	1969	12R 11L	Nest	27.3	31.6	27.7	15.6	7.7	
10/15/2007	181	1970		12R 11L	Nest	25.0	29.2	25.5	14.4	5.9	extra v5, c4r, 26 marginal
10/15/2007	181	1972		12R 11L	Nest	28.1	32.1	28.8	16.0	8.1	extra c4r, c4l
10/15/2007	181	1973	1974	12R 11L	Nest	28.7	33.0	29.3	15.9	8.2	extended v4, small v5, extra c4r, c4l
10/15/2007	181	1975		12R 11L	Nest	27.1	31.1	28.3	15.2	7.2	
10/15/2007	181	1976	1977	12R 11L	Nest	28.1	33.1	29.5	16.6	8.5	
10/15/2007	181	1978		12R 11L	Nest	24.5	28.5	25.8	14.0	5.7	13 r marginal
10/19/2007	157	1980		12R 11L	Nest	28.1	32.7	28.8	15.8	7.7	
10/19/2007	157	1981	1982	12R 11L	Nest	29.1	33.3	29.0	16.2	8.2	extra c4r

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
10/19/2007	157	1983		12R 11L	Nest	26.8	29.5	27.6	15.4	7	scute at g/h/m intersection
10/19/2007	157	1985		12R 11L	Nest	26.4	29.0	25.5	14.8	6.3	small scute at g/h/m intersection
10/19/2007	157	1986		12R 11L	Nest	25.6	28.7	24.7	14.8	5.3	small scute at g/h/m intersection, small scute at h/p/m intersection
10/19/2007	157	1988		12R 11L	Nest	25.0	26.8	23.0	15.0	6.4	extra c4l26 marginal extra 13s, scute between humerals
10/19/2007	180	1989	1990	12R 11L	Nest	28.8	33.0	28.8	15.9	8.4	
10/19/2007	180	1991		12R 11L	Nest	29.5	34.3	29.1	16.0	8.9	
10/19/2007	180	1993		11R 11L	Nest	27.6	30.5	27.2	15.6	7.2	extra v3, v4, c3l, 11r marginals fused 1&2r
10/19/2007	180	1995		12R 11L	Nest	29.2	32.6	27.5	15.7	7.9	extra v3, v4, c3l, c4l
10/19/2007	180	1996		12R 11L	Nest	28.6	31.6	27.1	15.4	7.8	extra c4r, small extra c4l
10/19/2007	180	1997	1998	12R 11L	Nest	27.9	31.4	27.0	15.5	7.2	extra c1r posterior
10/19/2007	180	1999		12R 11L	Nest	27.8	31.2	26.5	15.0	7	
10/19/2007	180	2000	2001	12R 11L	Nest	26.5	30.5	27.2	15.6	7.2	
10/19/2007	180	2002		12R 11L	Nest	28.2	32.7	28.0	16.2	8.5	
10/19/2007	180	2004		12R 11L	Nest	28.1	31.7	27.8	16.1	8.1	
10/19/2007	180	2005	2006	12R 11L	Nest	27.5	31.9	28.2	16.0	8.2	
10/20/2007	157	2007		12R 11L	Nest	26.0	30.4	26.0	15.0	5.9	extra v5 to lower left
10/20/2007	189	2009		12R 11L	Nest	28.3	33.6	29.1	15.8	8.4	
10/20/2007	189	2010	2011	12R 11L	Nest	28.6	33.5	27.9	16.1	8.1	
10/20/2007	189	2012		12R 11L	Nest	25.9	30.1	25.6	14.6	6.3	
10/20/2007	189	2013	2014	12R 11L	Nest	24.2	28.8	25.4	13.7	5.5	
10/20/2007	189	2015		12R 11L	Nest	25.1	30.0	26.1	14.7	6.2	
10/20/2007	189	2017		12R 11L	Nest	24.3	28.1	25.4	13.3	5.4	
10/20/2007	189	2018	2019	12R 11L	Nest	28.2	32.7	29.0	16.1	8.3	
10/20/2007	189	2020		12R 11L	Nest	29.0	34.4	31.0	15.2	8.4	
10/20/2007	189	2022		12R 11L	Nest	29.0	34.2	29.1	15.8	8.1	extra c4r, v5 appears split by secondary scute (not an extra scute as miline and pattern are continuous)
10/20/2007	189	2023		12R 11L	Nest	26.8	32.0	27.0	14.8	7	
10/20/2007	189	2025		12R 11L	Nest	28.9	33.6	29.1	16.1	8.6	
10/20/2007	48	2026	2027	12R 11L	Nest	27.5	32.4	28.1	16.2	7.8	
10/20/2007	48	2028		12R 11L	Nest	28.8	33.6	29.1	16.1	7.9	
10/20/2007	48	2030		12R 11L	Nest	27.6	32.6	27.9	15.8	7.6	
10/20/2007	48	2031	2032	12R 11L	Nest	27.9	32.8	28.7	15.9	7.8	
10/20/2007	48	2033		12R 11L	Nest	28.0	32.6	28.0	15.5	7.3	
10/20/2007	48	2034	2035	12R 11L	Nest	27.5	32.1	28.7	15.5	7.3	
10/20/2007	48	2036		12R 11L	Nest	27.6	32.9	28.0	15.9	7.7	
10/20/2007	48	2038		12R 11L	Nest	29.3	33.0	29.5	16.0	8.1	
10/20/2007	48	2039	2040	12R 11L	Nest	27.9	32.5	28.9	15.5	7.6	
10/20/2007	48	2041		12R 11L	Nest	27.9	33.2	29.2	15.1	8	
10/20/2007	186	2047		12R 11L	Nest	27.4	32.3	29.2	15.6	8.2	
10/20/2007	186	2051		12R 11L	Nest	27.6	31.8	27.5	16.3	7.3	
10/20/2007	186	2052		12R 11L	Nest	26.6	30.7	27.8	15.7	7.4	
10/20/2007	186	2054		12R 11L	Nest	27.0	32.6	28.9	17.1	8.2	extra v5, 26 marginals
10/20/2007	186	2055	2056	12R 11L	Nest	27.8	31.2	29.2	17.1	8.8	extra v4, c5, chunk missing from 1rm, 2rm, shortened l abdominal
10/20/2007	186	2057		12R 11L	Nest	22.0	25.4	22.2	15.9	5.1	extra v3, extra c3, 26 marginals
10/20/2007	186	2059		12R 11L	Nest	26.8	31.7	27.8	15.0	7.2	26 marginals

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
10/20/2007	186	2060	2061	12R 11L	Nest	24.5	28.1	26.2	14.0	5.9	
10/20/2007	141	2078		12R 11L	Nest	27.2	30.6	26.8	15.3	7.1	
10/20/2007	141	2079	2080	12R 11L	Nest	27.0	31.3	27.2	15.6	7	small scute at g/h/midline intersection
10/20/2007	141	2081		12R 11L	Nest	30.8	35.1	29.4	16.5	8.7	
10/20/2007	141	2082	2083	12R 11L	Nest	27.1	31.4	27.0	15.5	6.9	
10/20/2007	141	2084	2085	12R 11L	Nest	29.1	33.2	27.6	16.8	8.1	
10/20/2007	141	2086		12R 11L	Nest	27.2	31.1	27.8	14.6	7.2	
10/20/2007	141	2087	2088	12R 11L	Nest	27.5	31.8	27.7	15.7	7.3	
10/20/2007	141	2089		12R 11L	Nest	27.3	31.0	27.9	15.5	7.4	
10/20/2007	141	2091		12R 11L	Nest	30.1	34.7	29.2	16.8	9.2	
10/20/2007	141	2092		12R 11L	Nest	25.3	29.2	27.0	14.9	6.3	
10/20/2007	141	2094		12R 11L	Nest	26.9	30.7	28.1	15.5	7.1	
10/20/2007	80	2042	2043	12R 11L	Nest	28.5	32.0	29.5	16.0	8.5	
10/20/2007	80	2044		12R 11L	Nest	28.8	31.0	29.2	17.1	8	
10/20/2007	80	2046		12R 11L	Nest	29.7	32.9	28.9	17.0	8.3	
10/20/2007	80	2062		12R 11L	Nest	28.2	32.1	28.0	15.8	8	
10/20/2007	80	2063	2064	12R 11L	Nest	28.5	32.7	29.1	16.0	8.2	
10/20/2007	80	2065		12R 11L	Nest	29.3	33.3	29.5	16.4	8.6	
10/20/2007	80	2067		12R 11L	Nest	29.5	34.0	30.6	15.7	9	
10/20/2007	80	2068	2069	12R 11L	Nest	28.7	33.2	29.7	16.2	8.9	
10/20/2007	80	2070		12R 11L	Nest	29.6	33.7	30.1	16.5	8.5	
10/20/2007	80	2071	2072	12R 11L	Nest	28.5	33.5	30.1	15.8	8.8	
10/20/2007	80	2073		12R 11L	Nest	28.9	32.8	28.7	16.2	8.4	
10/20/2007	80	2075		12R 11L	Nest	29.6	33.9	29.1	16.2	8.8	
10/20/2007	80	2076		12R 11L	Nest	29.0	33.5	28.7	16.6	9.1	
10/26/2007	38	2095	2096	12R 11L	Nest	27.7	31.0	27.0	16.0	7.7	
10/26/2007	38	2097		12R 11L	Nest	29.4	32.2	27.8	16.5	8.7	
10/26/2007	38	2098	2099	12R 11L	Nest	29.1	32.1	29.1	16.0	8.8	
10/26/2007	38	2100		12R 11L	Nest	28.8	32.7	27.5	16.4	8.1	
10/26/2007	38	2002		12R 11L	Nest	29.1	31.5	28.8	15.8	8.5	
10/26/2007	38	2103	2104	12R 11L	Nest	28.1	31.9	27.7	15.2	7.4	
10/26/2007	38	2105		12R 11L	Nest	27.5	30.6	25.5	15.5	6.9	small scute at g/h/m intersection
10/26/2007	38	2106		12R 11L	Nest	28.1	30.8	26.9	16.3	7.5	small scute at g/h/m intersection
10/26/2007	38	2108	2109	12R 11L	Nest	29.0	32.2	29.0	16.1	8.3	
10/26/2007	82	2110		12R 11L	Nest	28.0	32.5	27.0	16.2	7.5	extra v3, v4
10/26/2007	82	2111		12R 11L	Nest	28.6	32.1	27.2	15.9	7.5	
10/26/2007	64	2113		12R 11L	Nest	30.1	33.1	29.6	15.2	7.8	extra v4, c3r, c4r, c4l
10/26/2007	64	2115		12R 11L	Nest	29.5	33.1	29.0	16.5	8.4	
10/26/2007	64	2116		12R 11L	Nest	28.8	32.1	28.5	16.4	8.1	extra v5
10/26/2007	64	2119	2120	12R 11L	Nest	28.0	32.2	28.9	16.2	7.8	small extra v4
10/26/2007	64	2121		12R 11L	Nest	27.9	32.2	28.4	16.2	7.7	extra v4, c4r, misshapen v5
10/26/2007	64	2123		12R 11L	Nest	29.7	33.3	29.3	16.5	8.7	
10/26/2007	64	2124		12R 11L	Nest	29.6	33.3	28.9	15.8	8.4	
10/26/2007	64	2126		12R 11L	Nest	29.4	33.3	28.4	15.6	7.8	extra v4, v5
10/26/2007	64	2127	2128	12R 11L	Nest	27.7	32.2	29.0	15.8	8	
10/26/2007	64	2129		12R 11L	Nest	30.2	33.4	28.5	16.3	8.1	small scute at g/h/m intersection
10/26/2007	64	2130	2131	12R 11L	Nest	29.0	33.6	28.7	15.7	8	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
10/26/2007	64	2132		12R 11L	Nest	29.1	32.5	29.6	15.5	7.9	
10/26/2007	64	2134		12R 11L	Nest	30.2	33.4	29.0	16.3	8.4	
10/26/2007	64	2135	2136	12R 11L	Nest	27.8	33.2	29.2	16.0	7.9	extra v3, v4, v5, c4l
10/26/2007	188	2137		12R 11L	Nest	24.1	27.5	25.0	13.7	5.4	
10/26/2007	188	2138	2139	12R 11L	Nest	27.2	32.4	27.9	16.1	8	
10/26/2007	188	2140		12R 11L	Nest	27.4	32.2	27.7	15.3	7.9	
10/26/2007	188	2142		12R 11L	Nest	26.6	30.5	26.6	14.7	7	
10/26/2007	188	2143	2144	12R 11L	Nest	24.8	29.7	25.8	13.8	5.9	
10/26/2007	5	2145		12R 11L	Nest	27.3	30.6	26.7	14.6	6.2	extra c1ra, c1la
10/26/2007	5	2143	2147	12R 11L	Nest	25.8	29.4	25.4	14.3	5.3	
10/26/2007	193	2148		12R 11L	Nest	26.5	28.9	24.5	15.3	6	extra v3, v5, c3r, c4l, small scute at g/h/m intersection
10/26/2007	177	2151	2152	12R 11L	Nest	27.2	28.9	26.0	14.2	5.9	
10/26/2007	177	2153		12R 11L	Nest	26.4	30.2	26.5	15.0	6.3	
10/26/2007	177	2156		12R 11L	Nest	29.2	32.1	29.1	16.1	7.7	extra scute between l ab & femoral extends from midline latrally to half lengtho of a-f scute
10/26/2007	177	2158		12R 11L	Nest	28.7	31.5	27.7	15.9	7.5	extra scute between l ab & femoral extends from midline latrally to half lengtho of a-f scute
10/26/2007	177	2159	2160	12R 11L	Nest	29.0	30.8	28.0	15.4	7.2	
10/26/2007	177	2161		12R 11L	Nest	27.6	29.7	27.0	15.1	6.6	
10/26/2007	177	2162	2163	12R 11L	Nest	28.8	31.4	27.5	15.6	7.3	extra c1ra, c1la
10/26/2007	177	2164		12R 11L	Nest	27.5	30.4	27.3	14.9	6.7	extra scute between l ab & femoral extends from midline latrally to half lengtho of a-f scute
10/26/2007	177	2165		12R 11L	Nest	28.0	30.5	27.5	14.7	7	
10/26/2007	177	2167	2168	12R 11L	Nest	28.7	31.1	27.9	15.1	6.9	extra scute between l ab & femoral extends from midline latrally to half lengtho of a-f scute
10/26/2007	177	2169		13R 11L	Nest	28.0	30.6	26.9	15.5	6.8	13rm, extra scute between l ab & femoral extends from midline latrally to half length of a-f scute
10/26/2007	184	2170	2171	12R 11L	Nest	29.8	32.6	29.2	16.3	8.4	extra v4, v5, c3r, c2l medial, c3l, c4l
10/26/2007	184	2174		12R 11L	Nest	30.0	32.2	27.8	15.3	7.7	extra v4, v5, c4r, small extra c1r anterior, extra c4l, 26 marginals (extra 12s)
10/26/2007	184	2175	2176	12R 11L	Nest	27.3	30.0	26.7	15.3	7.2	small extra c1 r anterior, c1l anterior
10/26/2007	184	2177		12R 11L	Nest	27.2	29.9	27.1	14.3	6.5	
10/26/2007	184	2178	2179	12R 11L	Nest	27.8	30.2	27.2	14.8	6.5	v1 incomplete suture along midline from anterior margin to halfway posterior
10/26/2007	184	2180		12R 11L	Nest	26.4	27.8	24.9	13.9	5.8	v1,v2 incompletely split extras, extra v4, c1la, c4l, 26 marginals, tail curled, cant' straighten
10/26/2007	184	2182		12R 11L	Nest	25.2	28.0	25.1	14.2	6	v3, v4, v5, c4r, c4l, 26 marginals, tail curled, cant' straighten
10/26/2007	184	2183	2184	12R 11L	Nest	26.1	28.1	24.6	13.7	5.5	extra v3, small extra c1r post. Extra c2r, wide v4
10/29/2007	153	2185		12R 11L	Nest	31.4	34.8	29.3	17.2	9.7	extra v4, v5, small scute at g/h/midline
10/29/2007	153	2186	2187	12R 11L	Nest	30.8	33.7	28.4	16.8	9.1	
10/29/2007	153	2188	2189	12R 11L	Nest	30.2	34.8	30.0	17.5	9.9	incompletely split extra v4, extra v5
10/29/2007	153	2190		12R 11L	Nest	28.9	31.3	28.3	17.5	8.8	extra v4, c4l, 26 marginals (extra 12s), small scute at g/h/m intersection and at h/p/m intersection
10/29/2007	153	2191	2192	12R 11L	Nest	30.1	32.6	28.2	16.2	8.4	extra v4, v5, incomplete split, c1 r ant, c3l, c4l

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
10/29/2007	99	2193		12R 11L	Nest	27.7	32.2	29.1	15.2	7.8	
10/29/2007	99	2195		12R 11L	Nest	27.2	31.9	28.6	16.1	7.7	
10/29/2007	99	2196	2197	12R 11L	Nest	26.9	31.6	27.5	14.9	7.1	
10/29/2007	99	2198		12R 11L	Nest	27.3	32.4	29.1	15.3	7.8	
10/29/2007	99	2199	2200	12R 11L	Nest	27.9	32.5	28.1	15.4	7.3	
10/29/2007	99	2201		12R 11L	Nest	27.0	32.0	28.4	16.3	7.7	
10/29/2007	99	2203		12R 11L	Nest	27.2	31.4	27.6	15.8	7.4	
10/29/2007	99	2204	2205	12R 11L	Nest	28.8	32.7	29.0	15.8	8.1	
10/29/2007	38	2206		12R 11L	Nest	27.9	32.5	28.9	16.4	8	
10/29/2007	38	2207	2208	12R 11L	Nest	28.4	32.2	28.1	16.7	9.2	small scute at g/h/m/ intersection
10/29/2007	82	2209		12R 11L	Nest	26.2	29.5	24.6	15.1	6.4	
10/29/2007	15	2211		12R 11L	Nest	28.1	32.9	28.6	15.6	7.6	
10/29/2007	15	2212	2213	12R 11L	Nest	28.9	32.8	29.0	15.8	7.7	small extra c4l
10/29/2007	15	2214		12R 11L	Nest	27.7	31.9	27.8	15.5	7	
10/29/2007	15	2216		12R 11L	Nest	26.6	31.0	25.8	15.0	6.5	
10/29/2007	15	2217	2218	12R 11L	Nest	27.9	32.5	28.2	14.9	7.2	extra v3, v4, small c4r, extra v1 anterior
10/29/2007	15	2219		12R 11L	Nest	29.1	33.6	28.7	15.6	8.1	extra v4, c4l
10/29/2007	15	2220	2221	12R 11L	Nest	28.0	31.7	27.1	15.3	7	
10/29/2007	15	2222		12R 11L	Nest	26.0	30.7	26.9	15.2	6.5	
10/29/2007	15	2224		11R 11L	Nest	27.1	30.0	25.3	15.6	6.9	11rm (fused 2 &3), 11 lm (fused 11& 12)
10/29/2007	188	2225	2226	12R 11L	Nest	27.6	31.8	27.8	15.3	7.8	
10/29/2007	188	2227		12R 11L	Nest	25.0	29.1	25.9	14.9	6.2	small extra c4r
10/29/2007	188	2228	2229	12R 11L	Nest	24.3	29.1	25.8	14.2	6	
10/29/2007	188	2230		12R 11L	Nest	23.2	28.0	24.7	14.3	5.7	
10/29/2007	188	2232		11R 11L	Nest	23.5	28.1	24.8	13.8	5.4	
10/29/2007	5	2233	2234	12R 11L	Nest	26.3	29.5	26.1	13.6	5.7	extra c1r ant, 11rm
10/29/2007	5	2235		12R 11L	Nest	25.5	28.4	25.2	14.0	5.2	
10/29/2007	5	2236	2237	12R 11L	Nest	25.8	29.1	26.2	14.1	5.6	
10/29/2007	5	2238		11R 11L	Nest	24.7	28.1	25.1	14.2	5.2	extra v1 anterior c1r anteriro, 22 marginals (fused 11 & 12)
10/29/2007	5	2240		12R 11L	Nest	26.0	29.4	25.7	14.2	5.5	
10/29/2007	5	2241	2242	12R 11L	Nest	25.3	27.7	24.7	13.0	5	extra v2, v3, v5 (lateral), c4r, no cl, extra c1la, 11lm, scute btwn humerals, spine skewed l
10/29/2007	5	2243		12R 11L	Nest	26.2	30.2	25.5	14.4	5.5	extra v, v5, c1ra, c4r, c3l, 14 rm, 13 lm
10/29/2007	184	2245		12R 11L	Nest	27.7	31.1	28.0	16.1	8	extra scute between l ab & femoral extends from midline latrally to half length of a-f scute
10/29/2007	184	2246	2247	12R 11L	Nest	26.3	29.7	26.6	14.5	6.4	13rm
10/29/2007	184	2248		12R 11L	Nest	26.2	27.2	25.3	15.6	5.9	v1, v2, v3, v5, 2 of each spllit along midlines, extra v4 posterior c4l, 26 marginals, extra midline to 1/2 way out scute
10/29/2007	184	2249	2250	12R 11L	Nest	25.6	27.1	25.2	14.3	5.6	extra v2, v3, v4, 2 extra v5 (post, split on midline), extra c1l, lateral 26 marginals, small scute at g/h/m intersection
10/29/2007	56	2251		12R 11L	Nest	25.1	28.5	26.5	14.0	5.8	
10/29/2007	56	2253		12R 11L	Nest	25.4	28.0	25.7	14.1	5.4	
10/29/2007	56	2254	2255	12R 11L	Nest	27.8	30.4	27.0	14.6	6.6	extra scute btwn l femoral & anal, starts midline, continues 1/2 down suture
10/29/2007	56	2256		12R 11L	Nest	27.3	30.2	28.3	15.3	6.7	extended v4, small v5
10/29/2007	56	2258		12R 11L	Nest	25.9	28.3	26.3	14.6	5.8	

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10/29/2007	56	2259	2260	12R 11L	Nest	29.1	31.7	28.1	15.3	7.4	
10/29/2007	56	2261		12R 11L	Nest	27.0	29.7	26.3	14.0	6	extra v4, c3r
10/29/2007	56	2262	2263	12R 11L	Nest	26.7	30.1	28.0	14.2	6.5	
10/29/2007	56	2264		12R 11L	Nest	25.8	28.9	27.0	15.2	6.3	
10/29/2007	56	2266		12R 11L	Nest	25.6	29.2	26.4	14.1	5.8	
10/29/2007	56	2267	2268	12R 11L	Nest	27.7	30.2	28.0	15.1	6.9	11 marginals
10/29/2007	56	2269		12R 11L	Nest	25.6	28.2	24.8	14.6	5.4	extra v4, c4l
10/29/2007	183	2270	2271	12R 11L	Nest	25.1	27.5	26.0	14.2	5.9	
10/29/2007	183	2272		12R 11L	Nest	26.1	28.8	26.3	14.7	6.1	extra c1l ant, c4l
10/29/2007	183	2274		12R 11L	Nest	27.0	30.9	28.5	16.0	7.5	small extra c1 ra, c4l, extra c1la, 13 l marginal, 2l suture, merge before reach costals
10/29/2007	183	2275	2276	12R 11L	Nest	27.1	30.7	27.9	15.4	7.2	small extra c1ra, c1la, 13rm
10/29/2007	183	2277		12R 11L	Nest	23.3	27.0	24.2	14.0	5	small extra c1ra
10/29/2007	183	2278	2279	12R 11L	Nest	26.0	30.4	27.9	15.1	7.2	extra v4, c4l, small extra c1ra, c1la
10/29/2007	183	2280		12R 11L	Nest	27.4	30.7	27.4	16.0	7.4	extra v3
10/29/2007	183	2282		12R 11L	Nest	24.3	27.5	25.0	14.1	5.3	extra v3, v5, small extra c4l, 13 lm, (extra 2s_
10/29/2007	183	2283	22584	12R 11L	Nest	25.4	29.0	26.6	15.1	6.2	small extra C1ra, c1la, c2la
10/29/2007	183	2285		12R 11L	Nest	27.0	30.6	27.7	15.4	7.1	small extra c1ra, c1la
10/29/2007	183	2286	2287	12R 11L	Nest	25.4	29.8	27.2	15.4	6.9	
10/29/2007	183	2288		12R 11L	Nest	25.2	28.9	27.7	14.8	6.5	
10/29/2007	183	2290		12R 11L	Nest	26.1	28.8	26.5	15.1	6.2	extra c3r, small extra c4r, c4l
10/29/2007	183	2292		12R 11L	Nest	27.0	30.2	27.7	15.8	7	
10/29/2007	183	2293		12R 11L	Nest	26.4	30.4	28.0	15.3	7.1	extra v3, v5
3/31/2008	107	2895		12R 11L	Nest	27.7	37.6	28.4	15.5	8.1	Ana v5
3/31/2008	107	2296	2297	12R 11L	Nest	26.7	30.6	26.0	14.6	6.2	
3/31/2008	107	2298		12R 11L	Nest	28.4	32.0	27.9	15.9	7.8	
3/31/2008	107	2300		12R 11L	Nest	26.2	30.1	26.4	14.5	6.2	
3/31/2008	107	2301		12R 11L	Nest	27.9	32.6	26.4	15.5	8.1	
3/31/2008	107	2303		12R 11L	Nest	27.9	31.5	29.4	15.4	7.2	ana martinal 13l
3/31/2008	107	2306		12R 11L	Nest	28.8	32.4	27.4	16.2	8.2	
3/31/2008	107	2308		12R 11L	Nest	26.7	29.2	27.7	15.4	6.4	
3/31/2008	107	2309		12R 11L	Nest	27.6	31.2	25.4	15.4	6.4	
3/31/2008	107	2311		12R 11L	Nest	28.0	31.5	28.1	16.0	8	
3/31/2008	107	2313		12R 11L	Nest	27.6	31.3	28.0	15.5	7.4	
3/31/2008	107	2315		12R 11L	Nest	27.4	31.5	27.0	15.3	6.9	
3/31/2008	107	2314		12R 11L	Nest	26.5	29.3	27.2	15.7	6.4	
3/31/2008	49	2316		12R 11L	Nest	29.6	33.2	26.0	17.1	8.6	
3/31/2008	49	2317		12R 11L	Nest	28.0	31.5	30.4	15.2	7.4	ana v5
3/31/2008	49	2319		12R 11L	Nest	28.4	32.0	28.4	17.2	8.5	
3/31/2008	49	2320	2321	12R 11L	Nest	28.9	32.5	29.8	16.4	8.1	
3/31/2008	49	2322		12R 11L	Nest	29.0	33.6	29.3	16.0	8.4	
3/31/2008	49	2324		12R 11L	Nest	29.5	32.4	29.0	16.2	8.3	
3/31/2008	49	2325	2326	12R 11L	Nest	29.6	32.7	29.6	16.2	9	
3/31/2008	49	2327		12R 11L	Nest	30.6	32.9	29.2	16.8	8.9	
3/31/2008	49	2328	2329	12R 11L	Nest	29.2	33.8	29.7	16.1	9	
3/31/2008	49	2330		12R 11L	Nest	28.9	32.3	28.9	15.9	8.2	

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3/31/2008	49	2332		12R 11L	Nest	28.9	32.6	27.7	16.0	7.9	
3/31/2008	49	2333	2334	12R 11L	Nest	28.4	32.0	28.9	16.1	7.9	
3/31/2008	49	2335		12R 11L	Nest	28.3	32.2	29.3	15.6	8	ana v5
3/31/2008	49	2337		12R 11L	Nest	29.8	34.0	28.0	15.6	8.2	
3/31/2008	108	2338	2339	12R 11L	Nest	28.6	31.7	29.5	15.5	7.8	Ana v5
3/31/2008	108	2340		12R 11L	Nest	28.2	31.4	28.3	15.8	7.5	
3/31/2008	108	2342	2342	12R 11L	Nest	25.1	27.8	24.9	15.0	5.6	
3/31/2008	108	2343		12R 11L	Nest	27.2	31.0	28.7	15.8	7.2	
3/31/2008	108	2345		12R 11L	Nest	26.9	29.2	25.9	15.2	6	
3/31/2008	108	2346		12R 11L	Nest	28.5	31.7	27.8	16.3	7.8	
3/31/2008	108	2348		12R 11L	Nest	26.4	29.7	27.8	15.2	6.2	
3/31/2008	108	2349	2350	12R 11L	Nest	25.9	28.4	25.8	14.4	6	
3/31/2008	108	2351		12R 11L	Nest	27.2	30.5	27.6	16.2	7	
3/31/2008	108	2353		12R 11L	Nest	26.2	29.0	26.2	14.5	6.2	
3/31/2008	108	2354	2355	12R 11L	Nest	27.3	30.9	27.8	15.4	6.9	
3/31/2008	108	2356		12R 11L	Nest	27.9	31.7	28.5	15.9	7.7	
3/31/2008	108	2358		12R 11L	Nest	26.8	31.3	28.0	15.7	6.8	
3/31/2008	108	2359		12R 11L	Nest	28.4	31.3	29.2	16.0	8.4	
3/31/2008	108	2361		12R 11L	Nest	30.4	30.4	25.8	15.6	6.6	
3/31/2008	29	2362	2363	12R 11L	Nest	28.9	32.6	29.0	16.0	7.8	
3/31/2008	29	2364		12R 11L	Nest	27.3	31.4	28.4	17.2	7.6	
3/31/2008	29	2366		12R 11L	Nest	27.8	32.7	28.8	16.6	8.4	
3/31/2008	29	2367	2368	12R 11L	Nest	26.3	31.5	27.7	16.2	7.3	
3/31/2008	29	2369		12R 11L	Nest	26.5	32.3	28.1	15.8	7.8	
3/31/2008	29	2371		12R 11L	Nest	27.6	32.3	27.9	16.5	8	
3/31/2008	55	2372		12R 11L	Nest	29.5	32.1	29.3	16.9	8.1	
3/31/2008	55	2374		12R 11L	Nest	27.8	31.3	28.2	15.8	7.5	
3/31/2008	55	2376		12R 11L	Nest	28.4	31.6	28.2	16.5	7.8	
3/31/2008	55	2377		12R 11L	Nest	26.6	31.9	29.0	16.4	7.9	Ana v5
3/31/2008	55	2379		12R 11L	Nest	27.4	31.6	27.6	16.5	7.3	
3/31/2008	55	2380	2381	12R 11L	Nest	27.0	31.1	28.0	16.1	7.5	
3/31/2008	55	2382		12R 11L	Nest	27.2	32.2	28.7	16.6	8.4	
3/31/2008	55	2384		12R 11L	Nest	27.9	33.1	30.1	16.0	8.4	
3/31/2008	55	2385		12R 11L	Nest	28.1	33.3	28.8	15.8	8.5	
3/31/2008	55	2387		12R 11L	Nest	27.5	31.5	27.3	17.2	7.9	
3/31/2008	55	2388	2389	12R 11L	Nest	27.8	32.3	28.3	16.6	7.8	Ana v5
3/31/2008	42	2390		12R 11L	Nest	27.5	29.6	26.7	15.8	7.1	ana 2, 3,4,5v leftside 11 marginals
3/31/2008	42	2392		12R 11L	Nest	28.1	31.4	28.3	15.9	7.8	ana v4,5
3/31/2008	42	2393		12R 11L	Nest	28.1	31.2	27.3	16.4	7.8	
3/31/2008	42	2395		12R 11L	Nest	27.3	30.8	27.6	15.7	7.3	
3/31/2008	42	2396		12R 11L	Nest	28.3	31.1	27.6	16.2	7.5	
3/31/2008	42	2398		12R 11L	Nest	27.8	32.0	28.2	15.7	7.7	
3/31/2008	42	2400		12R 11L	Nest	28.5	31.2	26.8	15.7	7.3	ana v4, 5
3/31/2008	42	2401		12R 11L	Nest	28.6	32.8	27.6	15.5	7.5	ana c2r, c2l
3/31/2008	42	2403		12R 11L	Nest	28.3	31.3	27.8	16.4	7.8	
3/31/2008	42	2404	2405	12R 11L	Nest	28.9	31.5	28.3	15.8	7.6	
3/31/2008	42	2406		12R 11L	Nest	28.4	32.0	28.0	16.5	8.1	ana v4, 5

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3/31/2008	42	2408		12R 11L	Nest	27.7	31.7	27.3	15.5	7.2	
3/31/2008	42	2049		12R 11L	Nest	27.7	32.0	27.4	16.2	7.9	
3/31/2008	42	2411		12R 11L	Nest	27.9	31.2	26.2	16.3	7.4	ana v5
3/31/2008	42	2412	2413	12R 11L	Nest	28.2	32.1	28.0	15.7	7.1	
3/31/2008	42	2414		12R 11L	Nest	28.3	31.1	28.0	15.8	7.3	
3/31/2008	42	2416	2417	12R 11L	Nest	27.9	31.6	27.4	16.0	7.5	
3/31/2008	42	2419		12R 11L	Nest	28.8	30.7	27.6	16.2	7.5	
3/31/2008	42	2420		12R 11L	Nest	27.6	31.3	28.4	15.7	7.6	
3/31/2008	124	2422		12R 11L	Nest	26.3	30.2	27.7	16.0	7.3	ana v5
3/31/2008	124	2423	2424	12R 11L	Nest	27.5	31.9	27.5	16.7	7.5	13 marginal R & L ana v5
3/31/2008	124	2425		12R 11L	Nest	28.6	31.6	27.4	16.8	7.8	ana v5
3/31/2008	124	2427		12R 11L	Nest	28.6	32.2	29.2	17.8	8.5	
3/31/2008	124	2428	2429	12R 11L	Nest	28.4	31.6	28.3	16.9	8.3	
3/31/2008	124	2430		12R 11L	Nest	29.1	31.8	28.2	17.0	8.2	
3/31/2008	124	2432	2433	12R 11L	Nest	28.2	30.9	27.6	15.9	7.3	
3/31/2008	124	2435		12R 11L	Nest	25.7	28.2	25.3	16.3	6.5	ana v- all
3/31/2008	124	2426	2437	12R 11L	Nest	28.3	31.5	28.7	16.3	8.1	
3/31/2008	124	2439		12R 11L	Nest	28.3	31.5	27.6	16.4	7.7	
3/31/2008	124	2441		12R 11L	Nest	28.2	31.9	28.9	15.9	7.7	
3/31/2008	71	2443		12R 11L	Nest	28.3	29.4	27.5	15.2	6.9	
3/31/2008	71	2444		12R 11L	Nest	27.4	31.0	28.2	14.8	6.4	
3/31/2008	71	2446		12R 11L	Nest	30.1	31.8	28.4	16.2	7.8	
3/31/2008	71	2448		12R 11L	Nest	28.6	30.4	27.7	15.9	7.8	
3/31/2008	71	2449		12R 11L	Nest	27.9	31.0	28.1	16.5	7.7	
3/31/2008	71	2451		12R 11L	Nest	28.9	30.5	28.8	16.6	7.5	ana v5
3/31/2008	71	2452	2453	12R 11L	Nest	27.9	31.0	29.1	16.6	7.9	
3/31/2008	71	2454		12R 11L	Nest	28.5	30.4	28.9	15.6	6.9	ana v5
3/31/2008	71	2456		12R 11L	Nest	27.7	30.4	28.5	15.8	7.5	
3/31/2008	103	2457		12R 11L	Nest	26.6	27.5	25.9	17.3	6.6	
3/31/2008	103	2459		12R 11L	Nest	25.2	28.7	24.4	15.9	6.3	
3/31/2008	103	2460	2461	12R 11L	Nest	26.3	29.4	25.8	15.0	6.2	
3/31/2008	103	2462		12R 11L	Nest	25.8	29.1	24.7	16.8	6.6	
3/31/2008	103	2464		12R 11L	Nest	25.1	28.2	24.9	16.0	6.1	
3/31/2008	132	2465		12R 11L	Nest	28.3	32.0	28.0	16.1	8	
3/31/2008	132	2467		12R 11L	Nest	27.1	32.1	28.5	16.2	7.2	13 marginal R & L (26 Marginals)
3/31/2008	132	2468	2469	12R 11L	Nest	27.9	31.2	28.0	15.6	7.1	ana v5
3/31/2008	132	2470		12R 11L	Nest	30.2	33.1	28.4	15.5	7.8	13 marginal on R & L, ana v5
3/31/2008	132	2472		12R 11L	Nest	27.8	30.6	26.4	14.6	6.5	26 marginals
3/31/2008	132	2473	2474	12R 11L	Nest	27.9	31.7	28.4	17.3	7.3	ana v5
3/31/2008	132	2475		12R 11L	Nest	30.1	32.9	29.2	16.1	8.6	13 marginal R, ana v5
3/31/2008	51	2476	2477	12R 11L	Nest	26.1	27.7	25.8	15.8	6.4	
3/31/2008	59	2478		12R 11L	Nest	27.8	32.0	36.9	16.5	7	
3/31/2008	106	2480		12R 11L	Nest	25.3	28.9	26.5	14.5	5.6	ana v5
3/31/2008	106	2481		12R 11L	Nest	25.6	29.3	25.8	13.9	5.4	
3/31/2008	106	2483		12R 11L	Nest	26.8	30.7	28.2	15.4	6.9	
3/31/2008	55	2485		12R 11L	Nest	27.5	31.7	28.4	16.2	7.6	
3/31/2008	55	2486		12R 11L	Nest	27.4	31.8	28.5	17.0	7.5	

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3/31/2008	55	2488		12R 11L	Nest	28.1	31.1	28.6	16.2	7.3	
3/31/2008	84	2489	2490	12R 11L	Nest	30.3	26.4	27.0	15.8	6.7	
3/31/2008	84	2491		12R 11L	Nest	28.3	31.5	28.1	16.9	7.3	
3/31/2008	84	2492	2493	12R 11L	Nest	28.3	22.3	28.4	15.6	7.2	
3/31/2008	84	2494		12R 11L	Nest	27.8	30.7	27.5	16.2	6.9	
3/31/2008	139	2496		12R 11L	Nest	26.3	30.1	27.6	16.2	7	ana v3, v4
3/31/2008	139	2497	2498	12R 11L	Nest	26.7	29.8	27.1	15.7	6.6	
3/31/2008	139	2499		12R 11L	Nest	23.1	27.8	24.8	14.7	5.1	
3/31/2008	139	2501		12R 11L	Nest	28.8	32.8	29.4	16.2	8.1	
3/31/2008	139	2502	2503	12R 11L	Nest	24.6	29.3	25.6	15.2	5.8	
3/31/2008	139	2505	2506	12R 11L	Nest	31.7	28.1	28.7	16.3	7.3	
3/31/2008	139	2507		12R 11L	Nest	28.9	32.5	28.6	16.2	8.5	ana v5, 13 marginal
3/31/2008	139	2509		12R 11L	Nest	29.0	32.5	29.1	16.5	8.3	ana v4
3/31/2008	40	2510		12R 11L	Nest	26.9	30.1	26.9	15.6	6.7	
3/31/2008	40	2512		12R 11L	Nest	28.3	30.9	27.8	16.0	7.7	
3/31/2008	40	2513		12R 11L	Nest	29.2	32.2	29.5	16.8	8.8	
3/31/2008	40	2514		12R 11L	Nest	26.6	29.4	25.4	15.7	7.8	ana v4, v5
3/31/2008	40	2515		12R 11L	Nest	27.2	30.7	26.5	16.2	7.6	
3/31/2008	40	2517		12R 11L	Nest	26.7	30.1	25.2	14.6	7	
3/31/2008	40	2518	2519	12R 11L	Nest	27.5	30.6	26.3	15.1	7.1	
3/31/2008	40	2520		12R 11L	Nest	28.7	31.5	27.4	16.3	8.5	
3/31/2008	40	2521	2522	12R 11L	Nest	27.8	30.8	28.1	15.7	7.6	
3/31/2008	85	2523		12R 11L	Nest	28.5	31.4	28.3	16.2	7.5	ana v5
3/31/2008	85	2525		12R 11L	Nest	29.5	32.6	28.2	16.0	7.4	
3/31/2008	85	2526	2527	12R 11L	Nest	28.4	32.3	28.4	15.9	7.6	ana v5, 26 marginals
3/31/2008	85	2528		12R 11L	Nest	27.4	30.7	27.5	15.9	6.9	ana v5, 26 marginals
3/31/2008	85	2530		12R 11L	Nest	28.1	31.4	26.4	15.8	7	
3/31/2008	85	2531		12R 11L	Nest	28.2	32.2	29.5	16.2	7.7	
3/31/2008	85	2533		12R 11L	Nest	27.4	31.4	27.3	15.6	7	
3/31/2008	85	2534		12R 11L	Nest	28.6	32.2	27.1	15.5	7.1	
3/31/2008	85	2536		12R 11L	Nest	27.3	31.0	27.2	16.0	7.4	ana v5, ana c4L
3/31/2008	85	2537	2538	12R 11L	Nest	28.1	30.7	27.1	15.7	6.8	ana v4, ana c4l & R
3/31/2008	85	2539		12R 11L	Nest	29.5	33.5	28.4	16.0	7.8	ana v5
3/31/2008	85	2541		12R 11L	Nest	29.0	32.5	28.3	15.8	7.7	ana v5, c4 on L
3/31/2008	85	2542	2543	12R 11L	Nest	28.4	32.6	28.2	16.0	7.5	ana v5, 26 marginals on R
3/31/2008	85	2544		12R 11L	Nest	27.5	31.3	27.7	15.7	7.5	ana v5
3/31/2008	77	2546		12R 11L	Nest	27.8	31.3	28.5	15.7	7.4	
3/31/2008	77	2548		12R 11L	Nest	26.1	31.5	27.8	14.7	6.7	
3/31/2008	77	2549		12R 11L	Nest	28.1	31.2	28.1	16.3	7.4	
3/31/2008	77	2550	2551	12R 11L	Nest	27.0	31.3	27.5	15.6	6.5	
3/31/2008	77	2552		12R 11L	Nest	27.2	31.5	28.0	16.4	7.4	ana v5
3/31/2008	77	2554		12R 11L	Nest	27.0	30.9	28.2	16.5	7.5	
3/31/2008	77	2555	2556	12R 11L	Nest	27.8	32.0	27.5	16.5	6.7	
3/31/2008	77	2557		12R 11L	Nest	27.1	31.3	27.4	15.7	7	
3/31/2008	77	2559		12R 11L	Nest	27.3	31.2	27.9	16.3	7	
3/31/2008	50	2560		12R 11L	Nest	27.9	29.2	27.9	15.2	6.4	ana v5
3/31/2008	50	2562		12R 11L	Nest	27.8	31.6	28.4	16.0	7.1	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
3/31/2008	50	2563	2564	12R 11L	Nest	27.2	30.8	27.1	15.9	6.6	
3/31/2008	50	2565		12R 11L	Nest	28.1	32.1	28.4	15.9	7.1	
3/31/2008	50	2567		12R 11L	Nest	29.1	31.8	28.1	15.9	7	
3/31/2008	50	2568		12R 11L	Nest	28.2	32.1	28.4	16.0	7.1	
3/31/2008	50	2570		12R 11L	Nest	28.8	31.7	27.5	15.5	6.7	
3/31/2008	50	2571	2572	12R 11L	Nest	27.7	31.3	28.1	15.9	6.9	
3/31/2008	50	2573		12R 11L	Nest	28.7	31.6	28.2	15.8	7	
3/31/2008	50	2575		12R 11L	Nest	28.1	31.0	28.0	15.6	6.7	
3/31/2008	50	2576		12R 11L	Nest	27.0	300.7	27.6	16.0	6.8	
3/31/2008	50	2578	2577	12R 11L	Nest	27.5	30.2	26.5	15.4	6	
3/31/2008	50	2580		12R 11L	Nest	26.9	31.4	28.2	15.4	6.8	
3/31/2008	50	2581		12R 11L	Nest	28.1	32.1	28.4	15.6	7.2	
3/31/2008	50	2583		12R 11L	Nest	27.0	31.0	28.6	16.0	7.1	
3/31/2008	159	2584		12R 11L	Nest	23.3	26.7	24.0	14.5	4.9	
3/31/2008	159	2586	2585	12R 11L	Nest	23.5	27.2	23.6	14.7	4.9	
3/31/2008	159	2588		12R 11L	Nest	28.6	32.8	30.1	18.0	8.8	
3/31/2008	159	2589		12R 11L	Nest	27.1	31.2	28.3	15.7	7.1	
3/31/2008	159	2591		12R 11L	Nest	26.9	30.9	26.7	15.9	6.5	
3/31/2008	159	2592	2593	12R 11L	Nest	22.8	28.0	25.3	14.8	5.3	
3/31/2008	159	2594		12R 11L	Nest	23.7	28.8	26.6	15.5	5.8	
3/31/2008	159	2596		12R 11L	Nest	27.9	32.5	29.9	16.4	7.8	
3/31/2008	159	2597		12R 11L	Nest	27.3	31.7	30.0	16.4	7.7	
3/31/2008	83	2599		12R 11L	Nest	25.8	30.3	25.7	16.0	6.4	
3/31/2008	128	2600	2601	12R 11L	Nest	30.9	33.7	28.3	17.7	8.5	ana v5
3/31/2008	128	2602		12R 11L	Nest	30.0	33.0	29.3	16.6	8.6	ana v4, v5
3/31/2008	128	2604		12R 11L	Nest	30.3	33.6	29.9	17.2	9.1	
3/31/2008	128	2605		12R 11L	Nest	26.6	29.0	26.4	16.0	6.3	
3/31/2008	128	2607		12R 11L	Nest	29.4	33.2	28.1	16.3	8.1	ana right C 1& 2, 3 C on L
3/31/2008	128	2608	2609	12R 11L	Nest	30.2	33.5	28.8	17.1	8	ana v4 & v5, RC
3/31/2008	128	2610		12R 11L	Nest	31.2	34.7	29.0	17.4	8.9	ana v4, v5
3/31/2008	128	2612		12R 11L	Nest	28.2	31.6	27.7	16.7	7.9	ana v3, v4, v5
3/31/2008	128	2613	2614	12R 11L	Nest	31.3	33.7	29.3	16.7	8.7	
3/31/2008	128	2615		12R 11L	Nest	29.7	33.9	30.2	17.5	9.1	
3/31/2008	93	2617		12R 11L	Nest	29.0	33.3	28.0	16.5	8	
3/31/2008	93	2618	2619	12R 11L	Nest	29.4	32.0	27.9	16.3	8.3	
3/31/2008	93	2620		12R 11L	Nest	27.6	31.5	28.3	16.3	7.6	
3/31/2008	93	2621	2622	12R 11L	Nest	27.6	31.6	27.9	16.8	7.7	
3/31/2008	93	2623		12R 11L	Nest	29.4	32.8	28.8	16.9	8.2	
3/31/2008	93	2625		12R 11L	Nest	28.1	29.9	27.4	16.2	7.1	
3/31/2008	93	2626	2627	12R 11L	Nest	27.7	31.4	28.9	16.2	7.7	
3/31/2008	166	2628		12R 11L	Nest	24.3	27.4	24.7	14.3	4.9	
3/31/2008	166	2629	2630	12R 11L	Nest	24.2	27.9	24.8	15.1	5.2	
3/31/2008	166	2631		12R 11L	Nest	25.1	29.5	26.7	14.6	5.6	
3/31/2008	166	2633		12R 11L	Nest	24.5	28.5	25.0	14.4	5.2	11 marginals on L
3/31/2008	166	2634	2635	12R 11L	Nest	24.0	28.3	25.2	15.0	5.3	
3/31/2008	166	2636		12R 11L	Nest	25.2	28.2	25.9	14.6	5.3	
3/31/2008	166	2637	2638	11R 11L	Nest	29.6	32.8	30.6	16.7	8.7	22 marginals

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
3/31/2008	166	2639		11R 11L	Nest	29.7	33.5	29.6	16.9	8.6	22 marginals
3/31/2008	166	2641		11R 11L	Nest	28.3	30.8	26.5	15.7	6.3	
3/31/2008	166	2642	2643	12R 11L	Nest	24.9	29.1	25.9	14.6	5.5	
3/31/2008	17	2644		12R 11L	Nest	28.2	31.2	28.2	17.2	6.9	
3/31/2008	17	2646		12R 11L	Nest	27.0	30.6	27.8	16.6	6.6	
3/31/2008	17	2647		12R 11L	Nest	28.7	31.9	29.2	16.0	7.1	
3/31/2008	17	2649		12R 11L	Nest	27.1	30.8	28.3	16.3	7	
3/31/2008	17	2650	2651	12R 11L	Nest	28.2	31.6	27.8	15.6	7.2	
3/31/2008	17	2652		12R 11L	Nest	27.8	30.4	28.2	15.9	6.9	
3/31/2008	17	2654		12R 11L	Nest	28.1	30.9	27.6	15.9	7	
3/31/2008	17	2655	2656	12R 11L	Nest	27.2	30.8	27.6	16.0	7	ana v5
3/31/2008	3	2657		12R 11L	Nest	27.3	30.7	27.8	16.0	6.9	
3/31/2008	3	2659		12R 11L	Nest	25.4	29.7	27.1	15.4	6.2	
3/31/2008	3	2660	2661	12R 11L	Nest	26.2	30.0	28.2	15.9	6.9	ana 4C on L
3/31/2008	3	2662		12R 11L	Nest	26.4	30.3	27.6	15.8	7.3	
3/31/2008	3	2664	2663	12R 11L	Nest	27.8	30.9	27.6	15.9	7.1	
3/31/2008	3	2665		12R 11L	Nest	26.8	30.3	28.1	15.3	6.8	ana v2,& 1c
3/31/2008	3	2667		12R 11L	Nest	26.7	30.2	27.7	16.4	7	
3/31/2008	3	2670		12R 11L	Nest	27.0	31.1	28.0	16.4	6.9	
3/31/2008	3	2672		12R 11L	Nest	27.1	30.4	27.4	15.6	6.9	
3/31/2008	3	2673		12R 11L	Nest	26.6	31.0	27.7	16.3	7.3	
3/31/2008	3	2675		12R 11L	Nest	27.4	32.0	28.0	15.7	7.2	
3/31/2008	34	2677		12R 11L	Nest	28.7	30.3	26.8	15.4	6.8	ana v5, 13 marginals on L
3/31/2008	34	2678		12R 11L	Nest	28.8	31.6	28.6	16.0	7.3	
3/31/2008	34	2680		12R 11L	Nest	28.3	31.4	27.5	16.3	7.2	ana v5
3/31/2008	34	2681	2682	12R 11L	Nest	27.0	31.0	27.9	16.4	6.9	
3/31/2008	34	2683		12R 11L	Nest	26.6	29.1	28.6	16.5	7.1	ana v3, v4
3/31/2008	34	2685		12R 11L	Nest	28.3	30.5	27.8	17.1	7.3	
3/31/2008	34	2686	2687	12R 11L	Nest	26.6	30.4	28.0	15.8	6.8	
3/31/2008	34	2688		12R 11L	Nest	28.9	32.4	28.0	16.4	7.6	ana v4, v5, 3cl, 4cl, 26 marginals
3/31/2008	34	2691		12R 11L	Nest	27.8	31.4	27.8	15.8	6.9	
3/31/2008	34	2693		12R 11L	Nest	25.9	30.5	27.3	15.7	6.6	ana rc
3/31/2008	34	2694		12R 11L	Nest	27.9	31.2	26.7	16.3	6.9	ana v5 & 26 marginals
3/31/2008	34	2696		12R 11L	Nest	27.2	30.7	26.6	15.6	6.7	
3/31/2008	52	2698		12R 11L	Nest	28.6	32.1	27.2	16.2	7.5	
3/31/2008	52	2699		12R 11L	Nest	27.9	32.1	27.6	16.4	7.5	
3/31/2008	52	2701		12R 11L	Nest	27.4	31.7	27.3	16.1	7	
3/31/2008	52	2702	2703	12R 11L	Nest	28.1	32.4	28.2	16.3	7.5	ana v5
3/31/2008	52	2704		12R 11L	Nest	27.8	32.1	27.9	15.9	7.4	
3/31/2008	52	2706		12R 11L	Nest	27.3	31.4	27.1	16.3	7.6	
3/31/2008	52	2707		12R 11L	Nest	27.9	32.3	28.1	16.0	7.7	ana v5
3/31/2008	52	2709		12R 11L	Nest	27.7	31.6	28.1	16.2	7.2	
3/31/2008	52	2710	2711	12R 11L	Nest	27.7	32.4	28.1	16.5	7.2	ana rc 13 marginals on L
3/31/2008	52	2712		12R 11L	Nest	28.7	33.0	28.7	16.1	7.9	ana v5
3/31/2008	52	2714		12R 11L	Nest	27.8	32.4	27.2	15.7	7.2	
3/31/2008	8	2715		12R 11L	Nest	28.2	32.3	29.3	16.3	7.7	
3/31/2008	8	2717		12R 11L	Nest	28.4	32.2	27.1	16.3	7.3	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
3/31/2008	8	2718	2719	12R 11L	Nest	28.3	30.7	27.4	15.9	6.9	ana lc, ana v5
3/31/2008	8	2720		12R 11L	Nest	30.0	33.0	28.9	16.7	8.3	
3/31/2008	8	2722		12R 11L	Nest	27.5	31.2	28.2	14.6	6.9	ana 8c
3/31/2008	8	2723	2724	12R 11L	Nest	27.7	31.9	29.0	15.9	7.5	
3/31/2008	8	2725		12R 11L	Nest	29.4	33.0	29.6	16.3	8.4	
3/31/2008	8	2727		12R 11L	Nest	31.1	33.5	29.4	16.0	8.3	
3/31/2008	8	2728		12R 11L	Nest	28.5	31.4	27.0	15.2	6.9	
3/31/2008	8	2730		12R 11L	Nest	30.0	32.9	29.9	16.0	8.3	
3/31/2008	8	2731	2732	12R 11L	Nest	29.4	31.7	28.9	16.0	7.9	
3/31/2008	8	2733		12R 11L	Nest	29.0	33.3	28.8	15.8	7.8	
3/31/2008	105	2735		12R 11L	Nest	29.1	33.5	29.9	16.7	8.2	
3/31/2008	105	2736		12R 11L	Nest	26.3	30.5	27.1	15.9	6.7	
3/31/2008	105	2738		12R 11L	Nest	28.8	33.4	29.2	17.4	8.8	
3/31/2008	105	2739	2740	12R 11L	Nest	29.5	34.2	30.5	17.1	9.5	
3/31/2008	105	2741		12R 11L	Nest	29.6	33.5	28.8	16.5	8.5	
3/31/2008	105	2742	2743	12R 11L	Nest	26.7	30.6	26.9	15.9	7.2	ana v5
3/31/2008	105	2744		12R 11L	Nest	30.1	35.2	31.5	17.2	9.7	
3/31/2008	105	2746		12R 11L	Nest	29.7	34.8	31.2	16.5	9.2	ana v4, v5
3/31/2008	105	2747	2748	12R 11L	Nest	31.1	34.8	29.5	17.5	9.4	ana lc, ana v5
3/31/2008	105	2749		12R 11L	Nest	30.4	29.9	29.2	16.8	8.8	ana v5
3/31/2008	105	2751		12R 11L	Nest	29.2	33.6	29.4	17.4	8.8	ana v5
3/31/2008	105	2752		12R 11L	Nest	29.0	34.3	30.1	17.5	9.5	
3/31/2008	76	2754		12R 11L	Nest	26.9	31.7	28.1	16.3	7.2	
3/31/2008	76	2755	2756	12R 11L	Nest	25.8	30.3	27.5	15.0	6.9	
3/31/2008	76	2757		12R 11L	Nest	26.2	30.0	26.6	15.5	6.2	
3/31/2008	76	2759		12R 11L	Nest	26.9	31.2	27.0	15.7	6.6	
3/31/2008	76	2762		12R 11L	Nest	27.2	32.2	27.4	15.9	7.4	
3/31/2008	76	2763	2764	12R 11L	Nest	27.3	31.0	26.7	16.3	7	
3/31/2008	76	2765		12R 11L	Nest	27.0	31.5	28.1	15.5	7	
3/31/2008	76	2767		12R 11L	Nest	27.3	31.6	27.6	15.4	7	ana v5, 13 marginals R
3/31/2008	76	2768	2769	12R 11L	Nest	30.0	33.7	29.4	16.9	8.5	
3/31/2008	76	2770		12R 11L	Nest	25.8	30.9	27.3	15.9	6.9	
3/31/2008	76	2772		12R 11L	Nest	27.1	30.9	27.6	16.2	7	
3/31/2008	24	2773		12R 11L	Nest	28.0	31.6	28.1	16.2	7.7	
3/31/2008	24	2775		12R 11L	Nest	27.2	29.7	26.9	15.4	6.6	ana v5
3/31/2008	24	2776		12R 11L	Nest	27.1	30.9	26.9	15.9	6.9	
3/31/2008	24	2777		12R 11L	Nest	27.6	30.1	26.1	15.5	6.7	
3/31/2008	24	2778		12R 11L	Nest	28.2	30.6	27.2	16.2	7	ana v3, v4, v5 & lc
3/31/2008	24	2779	2780	12R 11L	Nest	28.1	31.1	27.4	15.9	7	
3/31/2008	24	2781		12R 11L	Nest	28.0	30.5	26.2	16.0	6.7	
3/31/2008	24	2783		12R 11L	Nest	28.3	31.4	27.4	16.6	7.1	
3/31/2008	24	2784	2785	12R 11L	Nest	27.7	31.6	27.3	16.2	7.1	
4/1/2008	179	2786		12R 11L	Nest	23.3	27.5	25.2	14.9	5.3	
4/1/2008	179	2787	2788	12R 11L	Nest	23.6	27.7	24.9	14.5	5.3	
4/1/2008	179	2789		12R 11L	Nest	24.8	29.3	26.7	15.5	6.3	
4/1/2008	179	2791		12R 11L	Nest	27.1	31.3	28.1	16.2	7.4	
4/1/2008	179	2792		12R 11L	Nest	26.9	30.1	27.2	16.0	6.8	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
4/1/2008	179	2794		12R 11L	Nest	25.6	29.1	26.4	15.1	6.2	
4/1/2008	179	2795	2796	12R 11L	Nest	23.7	27.4	24.2	15.2	5.2	
4/1/2008	179	2797		12R 11L	Nest	26.3	30.5	27.2	15.7	6.7	
4/1/2008	179	2799		12R 11L	Nest	26.6	30.0	27.2	16.9	6.7	
4/1/2008	179	2800	2801	12R 11L	Nest	25.2	28.8	26.5	14.3	5.8	
4/1/2008	179	2802		12R 11L	Nest	25.1	29.4	26.4	15.3	6	
4/1/2008	146	2803	2804	12R 11L	Nest	27.5	31.7	27.2	15.4	7.3	ana r & l costals, v5
4/1/2008	146	2805		12R 11L	Nest	27.0	31.1	27.6	16.1	7.8	ana r & l costals
4/1/2008	146	2807		12R 11L	Nest	28.3	32.6	29.9	16.1	8.5	ana r & l costals, v5
4/1/2008	146	2808	2809	12R 11L	Nest	27.9	31.7	26.9	15.6	7.2	
4/1/2008	146	2810		12R 11L	Nest	29.0	33.9	29.6	16.2	9	ana r & l costals
4/1/2008	146	2812		12R 11L	Nest	28.5	32.9	28.8	16.1	8.4	
4/1/2008	146	2813		12R 11L	Nest	26.6	30.9	26.9	14.9	6.9	ana r & l costals
4/1/2008	146	2815		12R 11L	Nest	29.4	33.6	30.8	15.5	9.3	ana r & l costals
4/1/2008	146	2816	2817	12R 11L	Nest	26.4	31.7	26.1	14.6	6.7	ana r & l costals
4/1/2008	146	2818		12R 11L	Nest	27.8	31.7	26.6	15.1	7.1	ana r & l costals
4/1/2008	122	2820		12R 11L	Nest	28.9	32.2	28.5	16.7	8.7	ana v4, v5, lc 7 rcana rc, lc 7 v4, v5
4/1/2008	122	2821		12R 11L	Nest	28.6	31.4	27.2	16.9	7.9	
4/1/2008	122	2823		12R 11L	Nest	28.4	32.6	28.3	16.5	8	
4/1/2008	122	2824	2825	12R 11L	Nest	28.6	32.0	28.8	16.1	7.6	
4/1/2008	122	2826		12R 11L	Nest	28.8	32.1	28.3	17.1	8.4	
4/1/2008	122	2828		12R 11L	Nest	27.3	30.3	26.5	16.3	7.2	
4/1/2008	122	2829		12R 11L	Nest	28.0	30.7	28.1	16.4	7.9	ana v5
4/1/2008	122	2831		12R 11L	Nest	27.5	32.1	27.9	16.1	8	
4/1/2008	122	2832		12R 11L	Nest	29.5	32.1	27.8	16.6	8.5	
4/1/2008	122	2834		12R 11L	Nest	29.3	32.1	27.9	16.5	8.3	
4/1/2008	122	2835	2836	12R 11L	Nest	27.8	31.5	27.1	16.0	7.2	
4/1/2008	173	2837		12R 11L	Nest	26.3	29.4	25.6	15.2	6.2	
4/1/2008	173	2839		12R 11L	Nest	26.1	28.8	26.3	15.5	6.5	
4/1/2008	173	2840	2841	12R 11L	Nest	27.2	29.2	26.0	15.6	6.9	
4/1/2008	173	2842		12R 11L	Nest	27.9	30.4	26.6	15.5	7.1	
4/1/2008	173	2844		12R 11L	Nest	23.9	27.5	22.4	14.8	5.1	13 marginals
4/1/2008	173	2845	2846	12R 11L	Nest	27.7	31.7	26.9	15.5	7	
4/1/2008	173	2847		12R 11L	Nest	26.9	30.3	25.7	15.5	6.7	ana rc
4/1/2008	173	2848	2849	12R 11L	Nest	27.0	30.0	25.2	15.8	6.5	ana v5
4/1/2008	173	2850		12R 11L	Nest	27.2	29.8	25.8	16.0	6.9	
4/1/2008	173	2852		12R 11L	Nest	26.5	30.0	25.6	15.3	6.6	ana v5
4/1/2008	173	2853		12R 11L	Nest	25.9	29.4	25.3	15.3	6.4	
4/1/2008	173	2855		12R 11L	Nest	27.8	29.9	25.9	15.7	6.8	ana v5
4/1/2008	123	2856	2857	12R 11L	Nest	28.8	32.5	28.8	16.4	8	
4/1/2008	123	2858		12R 11L	Nest	29.0	33.1	28.9	15.8	8.2	
4/1/2008	123	2860		12R 11L	Nest	28.8	33.3	28.9	16.3	8.3	
4/1/2008	123	2862		12R 11L	Nest	29.5	32.4	28.4	16.6	8.4	
4/1/2008	123	2863		12R 11L	Nest	29.4	33.1	29.4	15.7	8.1	ana v5
4/1/2008	123	2865		12R 11L	Nest	30.1	30.4	29.5	16.6	8.1	ana v4, v5
4/1/2008	123	2866		12R 11L	Nest	28.6	30.9	28.0	16.3	7.8	
4/1/2008	123	2868		12R 11L	Nest	29.4	33.4	28.3	17.0	8.1	

Date	Nest	ID1	ID2	Notch ID	MOC	Pl	Cl	Wd	Ht	Mass	Comments
4/1/2008	123	2869		12R 11L	Nest	29.5	32.4	28.5	16.3	8.1	ana v5, 13 marginals on R
4/1/2008	95	2871		12R 11L	Nest	28.4	31.2	27.1	15.6	7	
4/1/2008	95	2873		12R 11L	Nest	28.5	31.0	28.3	16.1	7.4	
4/1/2008	95	2874		12R 11L	Nest	26.1	29.7	27.0	16.2	6.9	
4/1/2008	95	2876		12R 11L	Nest	28.3	30.7	27.9	15.8	7.5	
4/1/2008	95	2877	2878	12R 11L	Nest	26.5	30.0	27.5	16.2	7	
4/1/2008	95	2879		12R 11L	Nest	27.5	29.8	27.7	15.2	6.8	
4/1/2008	95	2881		12R 11L	Nest	27.5	30.2	26.4	15.7	6.8	
4/1/2008	95	2882	2883	12R 11L	Nest	27.3	29.3	25.9	15.8	6.3	
4/1/2008	95	2884		12R 11L	Nest	28.8	30.2	27.8	15.9	7.8	
4/1/2008	95	2885	2886	12R 11L	Nest	27.4	30.3	27.1	16.1	7.1	
4/1/2008	135	2889		12R 11L	Nest	28.6	32.5	28.5	16.3	7.5	ana v5
4/1/2008	135	2890		12R 11L	Nest	28.4	30.2	27.5	15.6	7.1	ana v5
4/1/2008	135	2892		12R 11L	Nest	25.3	29.3	25.3	14.6	5.5	
4/1/2008	135	2893	2894	12R 11L	Nest	28.4	32.4	27.9	16.6	7.4	
4/1/2008	135	2895		12R 11L	Nest	24.8	27.7	24.3	14.5	5.5	
4/1/2008	135	2897		12R 11L	Nest	27.9	31.6	27.4	16.0	7.3	
4/1/2008	135	2898	2899	12R 11L	Nest	28.9	32.5	29.0	16.2	7.8	
4/1/2008	135	2900		12R 11L	Nest	27.1	30.3	27.9	15.4	6.9	
4/1/2008	135	2901	2902	12R 11L	Nest	26.5	30.4	27.4	16.1	6.9	
4/1/2008	135	2903		12R 11L	Nest	29.0	35.6	29.2	16.0	7.9	
4/1/2008	135	2905		12R 11L	Nest	27.1	31.4	27.6	15.8	7	
4/1/2008	66	2906	2907	12R 11L	Nest	28.0	32.7	29.4	16.1	8.3	
4/1/2008	66	2908		12R 11L	Nest	27.6	31.5	28.1	15.7	7.2	
4/1/2008	66	2910		12R 11L	Nest	27.4	31.1	28.5	16.0	7.2	
4/1/2008	66	2911		12R 11L	Nest	28.4	31.8	28.3	16.1	8.1	
4/1/2008	66	2913		12R 11L	Nest	27.8	31.7	27.2	15.9	7.7	
4/1/2008	66	2914	2915	12R 11L	Nest	27.2	30.9	27.9	16.0	7.5	
4/1/2008	66	2916		12R 11L	Nest	27.4	32.0	29.0	15.6	7.7	
4/1/2008	66	2918		12R 11L	Nest	28.0	31.7	29.2	15.6	7.5	
4/1/2008	66	2919		12R 11L	Nest	28.1	32.1	30.5	15.5	7.6	
4/1/2008	66	2921		12R 11L	Nest	28.0	30.9	27.7	15.6	7.4	
4/1/2008	66	2922	2923	12R 11L	Nest	26.6	30.0	28.7	15.6	7.4	
4/1/2008	66	2924		12R 11L	Nest	27.5	31.4	28.8	15.5	7.2	
4/1/2008	66	2926		12R 11L	Nest	28.4	31.5	28.2	15.7	7.2	
4/1/2008	97	2927		12R 11L	Nest	26.2	31.0	28.5	16.5	7.3	
4/1/2008	97	2929		12R 11L	Nest	26.4	31.5	27.7	16.3	7.1	ana v5
4/1/2008	97	2930	2931	12R 11L	Nest	26.1	32.2	29.3	17.1	7.4	ana v5
4/1/2008	97	2932		12R 11L	Nest	27.3	33.1	29.5	17.0	8.1	ana v5
4/1/2008	97	2934		12R 11L	Nest	27.1	32.3	28.6	16.2	7.5	
4/1/2008	97	2935		12R 11L	Nest	24.4	30.5	27.3	15.0	6.2	
4/1/2008	97	2937		12R 11L	Nest	26.8	31.2	28.3	16.7	7.3	
4/1/2008	97	2938	2939	12R 11L	Nest	27.2	32.0	29.7	16.3	8.2	
4/1/2008	97	2940		12R 11L	Nest	28.3	32.3	28.9	16.7	7.7	ana v5
4/1/2008	97	2942		12R 11L	Nest	26.3	31.3	27.8	16.6	7.6	ana lc
4/1/2008	97	2943		12R 11L	Nest	27.0	32.4	27.8	16.2	7.5	
4/1/2008	97	2945		12R 11L	Nest	27.9	33.1	28.8	17.0	8.1	

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4/1/2008	22	2946		12R 11L	Nest	29.3	31.6	28.2	15.2	7.7	ana v5
4/1/2008	22	2948	2947	12R 11L	Nest	28.0	31.0	29.0	14.4	7.3	
4/1/2008	22	2950		12R 11L	Nest	27.9	31.5	28.7	15.0	7.4	
4/1/2008	22	2951		12R 11L	Nest	28.4	31.7	28.7	15.3	7.3	
4/1/2008	22	2953	2952	12R 11L	Nest	28.3	31.0	28.1	14.5	6.8	
4/1/2008	22	2955		12R 11L	Nest	28.1	31.5	29.6	15.8	7.8	
4/1/2008	22	2956	2954	12R 11L	Nest	28.9	31.9	27.7	15.3	7.4	
4/1/2008	22	2958		12R 11L	Nest	26.7	29.1	22.7	15.4	5.8	
4/1/2008	22	2959		12R 11L	Nest	28.6	31.3	28.4	15.4	7.5	
4/1/2008	22	2961	2960	12R 11L	Nest	28.3	32.2	28.7	15.0	7.6	ana v5
4/1/2008	22	2962		12R 11L	Nest	26.8	30.1	27.2	15.2	6.8	
4/1/2008	22	2964	2963	12R 11L	Nest	28.3	31.8	28.6	15.1	7.7	
4/1/2008	22	2966		12R 11L	Nest	28.5	32.3	27.9	15.7	7.3	ana v5
4/1/2008	22	2967		12R 11L	Nest	28.4	32.5	28.9	16.0	8	
4/1/2008	68	2969		12R 11L	Nest	27.9	31.6	28.0	17.0	7.7	
4/1/2008	68	2971		12R 11L	Nest	26.6	30.9	26.6	16.0	7.2	
4/1/2008	68	2972		12R 11L	Nest	27.6	32.8	29.3	16.1	7.7	
4/1/2008	68	2974		12R 11L	Nest	27.6	32.8	27.5	16.2	7.6	
4/1/2008	68	2975		12R 11L	Nest	29.5	33.7	30.6	16.9	9.2	
4/1/2008	68	2977	2976	12R 11L	Nest	27.4	32.0	28.7	15.7	7.8	
4/1/2008	68	2979		12R 11L	Nest	30.2	33.4	33.3	16.3	7.9	
4/1/2008	68	2980	2981	12R 11L	Nest	27.1	30.8	28.7	15.8	7.5	
4/1/2008	130	2982		12R 11L	Nest	27.8	31.5	25.5	15.8	7.2	ana v5
4/1/2008	130	2984		12R 11L	Nest	23.8	27.8	23.6	13.9	5.1	
4/1/2008	130	2985		12R 11L	Nest	27.3	30.6	25.0	15.5	6.6	ana v5 26 marginals
4/1/2008	130	2987		12R 11L	Nest	26.7	29.6	26.2	14.5	5.8	
4/1/2008	130	2988	2989	12R 11L	Nest	28.6	31.8	28.1	16.1	7.8	
4/1/2008	130	2990		12R 11L	Nest	28.2	31.8	27.9	15.9	7.6	ana v5
4/1/2008	130	2992		12R 11L	Nest	27.4	31.5	27.2	15.9	6.9	
4/1/2008	130	2993		12R 11L	Nest	28.5	32.2	26.4	16.1	7	
4/1/2008	130	2995		12R 11L	Nest	27.1	29.8	25.8	15.1	6.5	
4/1/2008	130	2996		12R 11L	Nest	27.9	31.1	36.6	15.2	6.9	26 marginals
4/1/2008	130	2998		12R 11L	Nest	28.2	31.5	27.5	15.4	7.1	ana v5
4/1/2008	187	3000		12R 11L	Nest	25.9	29.1	26.0	15.4	5.7	ana v5
4/1/2008	187	3001	3002	12R 11L	Nest	28.9	31.4	29.4	15.7	7	ana v5
4/1/2008	187	3003		12R 11L	Nest	26.7	31.2	27.2	15.4	6.6	ana v5
4/1/2008	187	3005		12R 11L	Nest	28.1	30.7	27.1	14.5	6.3	ana v5
4/1/2008	187	3006		12R 11L	Nest	26.1	29.0	24.9	14.2	5.8	ana v5
4/1/2008	187	3008		12R 11L	Nest	26.0	29.0	25.7	14.0	5.5	ana v5
4/1/2008	187	3009	3010	12R 11L	Nest	26.2	31.3	27.0	15.4	6.7	
4/1/2008	187	3011		12R 11L	Nest	21.9	26.2	24.0	14.0	4.5	ana v5
4/1/2008	187	3013		12R 11L	Nest	28.0	31.8	27.3	15.5	7.2	
4/1/2008	187	3014	3015	12R 11L	Nest	29.0	31.0	27.6	15.6	6.8	ana costal left side
4/1/2008	158	3016		12R 11L	Nest	28.2	30.6	25.9	15.6	6.7	
4/1/2008	158	3018		12R 11L	Nest	30.7	34.5	30.0	16.3	8.7	
4/1/2008	158	3019		12R 11L	Nest	29.6	31.7	30.3	16.8	8.6	
4/1/2008	19	3021		12R 11L	Nest	29.8	32.4	28.7	15.5	7.4	ana v5

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4/1/2008	19	3022	3023	12R 11L	Nest	28.7	31.8	27.6	15.4	7.4	ana v5
4/1/2008	19	3024		12R 11L	Nest	29.1	31.9	27.3	16.0	7.2	ana v5
4/1/2008	19	3026		12R 11L	Nest	29.0	32.2	27.5	15.1	6.9	
4/1/2008	19	3027		12R 11L	Nest	28.5	32.9	29.4	16.8	8	
4/1/2008	19	3029		12R 11L	Nest	28.8	32.5	28.0	16.3	7.4	
4/1/2008	19	3030	3031	12R 11L	Nest	29.4	32.6	28.9	16.3	8.1	
4/1/2008	19	3032		12R 11L	Nest	28.8	28.2	27.9	16.7	6.7	
4/1/2008	19	3034		12R 11L	Nest	28.4	31.5	27.4	16.3	7.7	
4/1/2008	19	3035	3036	12R 11L	Nest	28.1	31.5	27.4	16.1	7.3	ana v5
4/1/2008	19	3037		12R 11L	Nest	27.3	30.8	26.9	15.1	6.7	
4/1/2008	19	3039		12R 11L	Nest	28.3	32.0	27.8	16.2	7.6	
4/1/2008	10	3040		12R 11L	Nest	27.9	32.7	28.3	16.0	6.9	
4/1/2008	10	3042		12R 11L	Nest	27.8	31.3	27.1	15.5	6.7	
4/1/2008	10	3043		12R 11L	Nest	28.1	31.5	28.9	16.0	7.6	
4/1/2008	10	3045		12R 11L	Nest	28.1	32.4	28.7	16.2	7.6	
4/1/2008	10	3047		12R 11L	Nest	27.5	32.1	28.9	16.0	7.7	
4/1/2008	10	3048	3049	12R 11L	Nest	27.6	31.5	28.5	15.7	7.3	
4/1/2008	10	3050		12R 11L	Nest	28.5	31.5	28.5	15.3	7.1	
4/1/2008	10	3051	3052	12R 11L	Nest	26.7	29.3	24.0	15.4	5.7	
4/1/2008	10	3053		12R 11L	Nest	28.1	32.5	28.8	15.5	7.6	
4/1/2008	10	3055		12R 11L	Nest	28.1	31.7	28.5	16.3	7.3	
4/1/2008	10	3056	3057	12R 11L	Nest	28.1	32.1	28.7	15.5	7.2	
4/1/2008	10	missing		12R 11L	Nest	27.8	31.0	27.8	15.6	7.2	
4/1/2008	178	3058		12R 11L	Nest	26.9	30.0	27.1	15.9	6.7	ana v5
4/1/2008	89	3061		12R 11L	Nest	27.5	32.2	28.6	16.7	8	ana v5
4/1/2008	89	3063		12R 11L	Nest	28.4	32.8	29.3	17.7	8.7	
4/1/2008	89	3064	3065	12R 11L	Nest	29.0	33.2	30.2	16.6	8.5	
4/1/2008	89	3066		12R 11L	Nest	28.9	32.9	29.0	17.2	8.7	ana v5
4/1/2008	89	3068		12R 11L	Nest	31.2	33.9	30.2	16.9	8.6	
4/1/2008	89	3069		12R 11L	Nest	28.9	32.6	29.7	16.9	8.7	ana v5
4/1/2008	89	3070		12R 11L	Nest	29.0	32.4	29.2	16.2	8.5	
4/1/2008	89	3072	3073	12R 11L	Nest	26.4	30.8	27.9	16.7	7.6	13 marginals r
4/1/2008	89	3074		12R 11L	Nest	29.4	31.3	28.4	16.5	8	ana vertebrals, 13 marginals r
4/1/2008	89	3076		12R 11L	Nest	26.4	29.4	25.9	16.5	6.4	
4/1/2008	113	3077		12R 11L	Nest	28.7	31.5	27.5	17.2	7.8	
4/1/2008	113	3079		12R 11L	Nest	29.0	31.3	28.6	16.2	8.1	13 marginal right side
4/1/2008	113	3081		12R 11L	Nest	28.7	32.5	28.5	16.6	8.4	
4/1/2008	113	3082		12R 11L	Nest	27.1	28.2	27.5	16.3	6.7	
4/1/2008	113	3084		12R 11L	Nest	29.3	31.3	28.5	16.6	7.7	
4/1/2008	113	3085		12R 11L	Nest	28.6	27.1	27.4	16.3	7.6	
4/1/2008	113	3087		12R 11L	Nest	26.8	29.9	27.1	16.7	7.5	
4/1/2008	113	3089		12R 11L	Nest	27.4	28.6	26.8	16.2	7.3	ana v5
4/1/2008	113	3090		12R 11L	Nest	28.2	30.8	28.7	16.7	7.7	
4/1/2008	113	3091		12R 11L	Nest	29.1	30.7	28.1	17.1	8	
4/1/2008	113	3093	3094	12R 11L	Nest	28.1	30.6	26.7	16.0	7.1	
4/1/2008	113	3095		12R 11L	Nest	27.9	30.0	26.5	16.7	7.6	
4/1/2008	?	3097		12R 11L	Nest	26.2	30.2	28.9	16.5	7.6	ana v5

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4/1/2008	?	3098		12R 11L	Nest	27.0	30.6	27.3	16.3	7.3	
4/1/2008	?	3100		12R 11L	Nest	26.9	30.0	27.0	15.8	7.5	ana v5
4/1/2008	?	3101	3102	12R 11L	Nest	24.7	28.2	25.1	15.2	6.2	
4/1/2008	?	3103		12R 11L	Nest	25.8	29.6	27.6	16.3	7.1	
4/1/2008	?	3105		12R 11L	Nest	28.0	30.5	28.0	16.3	7.9	
4/1/2008	?	3106		12R 11L	Nest	26.5	30.7	27.6	16.6	7.3	
4/1/2008	?	3108		12R 11L	Nest	26.2	30.7	28.2	16.1	7.3	ana v5
4/1/2008	?	3109	3110	12R 11L	Nest	27.2	30.6	27.2	16.1	7.3	
4/1/2008	?	3111		12R 11L	Nest	26.2	30.0	27.2	16.3	7.1	
4/1/2008	?	3113		12R 11L	Nest	26.2	30.6	26.6	16.2	6.9	
4/1/2008	?	missing				25.6	29.5	26.1	15.7	6.4	

Date	O/N	Wire ID	Notch ID	PIT Tag ID	Wing Band ID	Time	SEX	PL	CL	WD	HT	Mass	RP	AGE	RC	MOC	Location	COMMENTS
06/01/07	N	69508	9R11L			12:00	J	24.8	28.8	27.0	16.2	6.2	4.3	2006		Hand	N38 45.627 x W76 22.785	Cell 3
06/04/07	N	14649	9R11L			11:30	J	27.3	33.6	28.3	16.2	8.8	4.6	2006		Hand	N38 45.148 x W76 22.459	Notch
06/05/07	N			4750045537	PI33	8:30	F	188	209	163	91	1654	30		Y	Hand	Center dike	13R marginals
06/05/07	N	14652	9R11L			11:00	J	42.2	47.0	40.3	21.3	20.9	7.0	2006		Hand	N38 45.147 x W76 22.475	Cell 5
06/07/07	N			4753383164	PI34	8:30	F	192	208	177	99	1592	28			Hand	N38 45.074 x W76 22.459	Cell 5; Laid nest 15
06/07/07	N			475F64155B	PI35	13:30	F	207	228	179	92	1780	27			Hand	N38 45.102 x W76 22.480	Notch; Laid nest 17
06/08/07	N			474D571978	PI36	8:00	F	198	225	173	94	1907	26			Hand	N38 45.459 x W76 22.741	
06/12/07	N			4754125758	PI37	11:00	F	200	215	164	100	1982	28			Hand	N38 45.908 x W76 23.021	3D
06/13/07	N			47462F2570	PI38	12:00	F	194	220	174	93	1912	26			Hand	N38 45.459 x W76 22.741	Near Personnel Pier
06/13/07	N			47490B671E	PI39	14:00	F	189	208	167	88	1484	24			Hand	N38 45.060 x W76 22.217	5M; Laid nest 37 - laid 17th egg in shed, which was buried with rest of nest
06/21/07	O		8R2L9L	47490D3113	PI40	15:30	F	101	132	107	55	655	16	2002		Hand		1B; found with apparent notches; Age +/- 1 year (very stained, hard to see rings)
07/03/07	N			451E522407	PI41	13:30	F	188	220	176	91	1709	26		?	Hand	N38 44.963 x W76 21.992	5S; can't find nest or determine if gravid; small extra L vertebral
07/06/07	N			4749173721E	PI42	11:30	F	199	224	167	96	1583	32			Hand	N38 45.071 x W76 22.273	5M; Laid nest 113
07/09/07	N			474F24583C	PI43	9:30	F	195	225	175	96	1657	27			Hand	N38 45.096 x W76 22.329	5N; Laid nest 125
07/12/07	O			474F147B53	PI26	9:30	F	189	214	169	91	1497	26			Hand	N38 45.170 x W76 22.455	5N; Laid nest 153; NEW PIT tag (had scute tag)
07/13/07	N	14651	9R11L			13:30	J	44	50	41	24	23.3	7	2006		Hand	Cell 1	
07/16/07	N			474F3B503E	PI45	10:00	F	199	226	167	90	1675	23		Y	Hand	N38 44.995 x W76 22.080	5S; Abandoned nest 184; R. Radius/ulna broken, twisted, & re-fused (old fracture)
07/17/07	N			47524E286A	PI46	9:45	F	186	212	171	89	1380	27			Hand	N38 44.976 x W76 22.038	5S; Laid nest 166
07/17/07	N			4749257165	PI47	10:00	F	194	212	170	91	1697	28			Hand	3D cross-dike	
07/19/07	N			4753316F48	PI48	10:30	F	197	224	170	90	1687	30		Y	Hand	N38 45.090 x W76 22.471	Notch
07/19/07	N			474F4C4332	PI49	10:30	F	192	214	168	86	1630	29		Y	Hand	N38 45.400 x W76 22.873	4DX main dike
07/23/07	O			451F60776F	PI29	10:30	F	209	227	182	97	1981	23		Y	Hand	Center dike btwn 5 & 6	
07/26/07	N			474E1A4213	PI50		F	124	139	114	56	445	19	2004		Hand		
09/18/07	O			474F433D76													4C bank	Approx 150mm CL; found dead by Jan Rees; recent death (little decomposition when found, but too decomposed to measure or find notches). Examine shell once dried. Received and scanned 9/20/07.
09/20/07	N			4519393547	PI52	8:00	M	65	77	64	34	80	10	2003		Hand	3B trench	
09/20/07	N			4519230F14	PI51	8:00	M	97.0	117	94	47.0	237.0	14.0	2001		Hand	3B trench	

Day	Month	Year	Notch ID	PIT Tag ID	Sex	PL	CL	Width	Height	Mass	RP	DOB	Comments
22	4	2008	1R	494C6D652F	1	95.6	107.3	85.9	45.1	228	14	2007	
22	4	2008	12R2L9L	4966454C07	2	88.1	104.5	82.6	43.9	199	14.3	2007	
22	4	2008	11R12R9L	49661F1061	2	101.7	119.6	93	47.1	274	15.6	2007	
22	4	2008	12R9L11L	494A51413D	1	69.5	80.8	66.6	35.1	94	9.3	2007	
22	4	2008	9R12R9L	494B766974	2	82	90.6	73.5	39.8	138	13.5	2007	
22	4	2008	9R12R9L	4962640D02	1	80.5	91.5	73.6	41.5	141	13.4	2007	
22	4	2008	1R	4943624072	2	70.4	83.8	67.2	38.5	106	10.2	2007	
22	4	2008	12R9L12L	494D111952	2	86.6	101.2	77.9	45	169	12.2	2007	
22	4	2008	12R3L9L	496842641C	2	94.4	106.7	83.6	48.5	207	13.7	2007	
22	4	2008	12R1L9L	49602F4F7D	1	95.7	108.3	83	49	205	15.2	2007	
22	4	2008	12R1L9L	49602C3D3E	2	59.9	69.5	53.7	28.3	59	10.1	2007	
22	4	2008	12R9L11L	494D2A5974	3	70.7	80.12	63.2	34.4	91	13.1	2007	
22	4	2008	1R	494D3B163E	2	72	82.5	66.3	35.8	101	9.7	2007	
22	4	2008	12R9L11L	494D257737	2	73.6	85.9	67.4	39.2	107	12.2	2007	
22	4	2008	12R3L9L	4962587A2B	2	96.6	108.2	83.3	44.6	225	14.2	2007	
22	4	2008	12R1L9L	494D3E6969	2	93.1	102.9	79.9	45.8	201	17.6	2007	
22	4	2008	12R8L9L	494B6E7F1F	3	70.6	84.7	70	35.2	110	12.6	2007	
22	4	2008	2R12R9L	49602B6950	2	93	108.4	90	46.6	240	17	2007	
22	4	2008	1R12R9L	494B682422	1	71.4	80.22	62.7	32.3	96	12.1	2007	
22	4	2008	3R12R9L	49624C6164	3	67.5	73.5	58.8	33.6	79	11.3	2007	
22	4	2008	10R12R9L	4966432573	2	45.3	50.5	42.5	22.4	25	7.6	2007	
22	4	2008	1R	494F275510	2	63.7	74.3	63.3	32.1	81	9.4	2007	
22	4	2008	12R3L9L	496024706F	2	76.9	87.5	68.6	35.5	111	12.4	2007	
22	4	2008	12R1L9L	496257696A	3	79.3	88.3	68.8	37.9	122	14.9	2007	
22	4	2008	1R12R9L	493F236177	1	65.8	76.6	62.5	35.7	92	12.3	2007	
22	4	2008	12R2L9L	493F201E4B	2	68.7	80.4	61.9	35.5	92	10.8	2007	
22	4	2008	12R2L9L	49683E6E2F	2	74.9	85.6	67.2	36.4	112	11.9	2007	
22	4	2008	11R12R9L	4968436C4E	2	83.7	70.5	69.7	35.9	109	11.8	2007	
22	4	2008	11R12R9L	494E574607	2	80.9	90.8	74	37	132	11.6	2007	
22	4	2008	12R8L9L	496058021E	3	51	61.6	50.8	27	44	8.8	2007	
22	4	2008	1R	496263136B	2	51.5	58.9	48	25.6	39	8.5	2007	
22	4	2008	12R9L12L	494F190F22	2	74.3	85.7	69.2	36.8	112	12.4	2007	
22	4	2008	9R12R9L	494B4C060E	2	74.8	84.7	67.9	35.2	112	13	2007	
22	4	2008	12R1L9L	4960394F7A	2	95.5	103.5	85.8	41.8	209	15.1	2007	
22	4	2008	12R3L9L	496059366D	2	88	99.8	79.8	43.1	180	15.4	2007	
22	4	2008	11R12R9L	494073371A	2	72	83	66.7	34.8	102	11.8	2007	
22	4	2008	2R	494D100269	2	68.9	79.4	63.8	33.8	81	12.8	2007	
22	4	2008	11R12R9L	494E411510	2	90	101	81.2	42.2	176	12	2007	
22	4	2008	12R2L9L	496842653F	3	82.8	92.2	74.2	38.9	147	12.8	2007	
22	4	2008	12R2L9L	4968247065	2	68	79.3	64.5	33.7	93	11.2	2007	
22	4	2008	12R2L9L	494D36060F	1	66.6	76.2	61.2	33.6	82	10.8	2007	
22	4	2008	12R9L12L	49485D226F	2	86	99.5	82.9	42.7	185	13.4	2007	
22	4	2008	2R	49684A0605	2	92.7	108.7	86.9	43	228	16.5	2007	
22	4	2008	12R9L10L	494A6A0B69	2	94.9	110.8	83.7	45.7	216	15.3	2007	
22	4	2008	2R12R9L	4963141F36	2	89.6	99.6	83.6	41.7	175	14.3	2007	
22	4	2008	12R8L9L	494B78194C	2	92.6	109.5	83.7	43.9	245	16.1	2007	
22	4	2008	8R12R9L	494E511D3A	2	104	118	87.9	47.8	242	15.9	2007	
22	4	2008	2R	494BC4D26	2	94.3	108.1	84.9	43.1	208	13.8	2007	
22	4	2008	11R12R9L	49407E0E4D	2	73.2	84.6	69.4	36.2	102	10.7	2007	
22	4	2008	2R12R9L	494F073A36A	2	79.2	90.8	71.6	37.9	125	13.7	2007	
23	4	2008	12R8L9L	4962762D0A	2	69.8	81.2	64.6	37.2	89	9.7	2007	
23	4	2008	10R12R9L	494D39677E	2	71.5	80.9	69	34.6	102	10.1	2007	
23	4	2008	10R12R9L	494F077E55	2	75.2	84.6	74	33.6	120	11.5	2007	
23	4	2008	12R9L11L	496112597D	2	70.4	81.8	67.1	35.1	92	11.2	2007	
23	4	2008	12R9L11L	496620292A	2	70.7	82.4	67.2	36.1	99	11.8	2007	

Day	Month	Year	Notch ID	PIT Tag ID	Sex	PL	CL	Width	Height	Mass	RP	DOB	Comments
23	4	2008	12R9L11L	4960750E1A	2	69.4	80.1	65.4	34.8	88	12	2007	
23	4	2008	10R12R9L	4A745D417B	2	67.05	79.95	64.1	32.04	94	10.8	2007	
23	4	2008	12R9L12L	4A7549626B	2	62.2	69.8	59.3	32.7	69	8.8	2007	
23	4	2008	8R12R9L	4A7538644B	3	66.3	76.7	62.1	34.2	88	9.6	2007	
23	4	2008	12R1L9L	4A72360E30	2	69.3	73.9	61.2	31.6	79	10.7	2007	
23	4	2008	1R12R9L	4A720B3E79	1	78.4	90.5	71.9	38	130	10.7	2007	
23	4	2008	3R12R9L	4A721F7626	2	80	95.9	71.6	40	143	11.8	2007	
23	4	2008	10R12R9L	4B04087B0D	2	59.8	70.3	56.4	28.2	58	9.6	2007	
23	4	2008	3R12R9L	4A76233D72	2	73.9	82.3	68.5	35.5	104	12.6	2007	
23	4	2008	12R9L11L	4A75100766	2	49.5	58.9	44.8	13.9	84	11.4	2007	
23	4	2008	2R	4A745E2E39	2	68.6	78.2	66	35	84	10.7	2007	
23	4	2008	10R12R9L	4A72266660	2	73.9	85.3	70.8	38.7	107	13	2007	
23	4	2008	10R12R9L	49626B2F1D	2	77.8	91.2	74.3	35.3	123	13.1	2007	
23	4	2008	8R12R9L	4A75073708	1	80.8	92.5	73.2	39.5	121	12.3	2007	
23	4	2008	12R2L9L	4A761D192C	2	77.2	91.7	74.4	37.3	123	10.6	2007	
23	4	2008	8R12R9L	4A7272104B	1	66.1	76.5	60.1	31.5	70	8.8	2007	
23	4	2008	12R9L12L	4A761A7F07	2	97.2	110.1	89.4	47.3	236	16.6	2007	
23	4	2008	2R	4A71264F15	2	108.5	126.2	103.5	56.7	336	16.5	2007	
23	4	2008	12R3L9L	49602A4F65	2	60.7	69.9	56.3	29.8	61	7.8	2007	
23	4	2008	12R3L9L	4A7174004D	2	64.7	75.4	60.3	32.5	75	8.9	2007	
23	4	2008	3R12R9L	4962601318	1	64.75	71.69	60.47	32.55	76	9.1	2007	
23	4	2008	3R12R9L	496054331B	3	85.4	90.7	72.8	40.3	142	12.7	2007	
23	4	2008	1R12R9L	49625D0166	2	81.2	91.4	71.1	39.6	134	11.6	2007	
23	4	2008	3R12R9L	496900376E	2	61.7	66.3	53.7	30.6	56	7.2	2007	
23	4	2008	1R12R9L	49625E0D49	1	57.4	67.7	54.5	29.1	56	8.1	2007	
23	4	2008	2R	4962153F45	2	93	106.8	81.4	44.4	198	13.4	2007	
23	4	2008	9R12R8L	494F3C0145	2	82.4	94.9	76.3	41.4	163	12.8	2007	
23	4	2008	2R	494D38597F	2	93.6	105.7	82.3	45.2	187	15	2007	
23	4	2008	12R9L10L	4966122344	2	87.5	100.4	80	43.3	166	13.3	2007	
23	4	2008	2R	494F0B6402	2	94.4	108.6	87.9	50.6	215	13.2	2007	
23	4	2008	12R9L12L	4966273577	2	89.4	106.7	81.2	43.8	186	12.6	2007	
23	4	2008	9R11L	494D3C3B3D	2	118.1	129.1	106.4	55.8	400	20.5	2007	
23	4	2008	11R9L12L	493F380B37	2	91.6	102.5	81.2	42.3	186	13.3	2007	
23	4	2008	12R9L12L	494D117663	2	89.6	103.7	81.9	43.9	475	11.9	2007	
23	4	2008	2R12R9L	49630A7340	1	68.8	79.6	64.5	64.3	88	12.7	2007	
23	4	2008	9R12R9L	494B720067	1	61.8	67.9	57	33.8	65	8.5	2007	
23	4	2008	12R1L9L	49405A2504	2	76.5	81.5	66.6	36.2	99	11.4	2007	
23	4	2008	3R12R9L	4940072F34	2	68.1	73.4	59.9	34.9	81	8.5	2007	
23	4	2008	1R12R9L	496230370C	1	72.8	80.8	63.5	34.3	96	10.3	2007	
23	4	2008	12R3L9L	494B597B01	2	74.7	83.8	66.5	36.9	100	12	2007	
23	4	2008	8R12R9L	494C71081D	2	48.4	57.1	44.9	26.8	31	5.4	2007	
23	4	2008	1R	4968446C31	2	76.8	88.6	73	36.9	112	8.7	2007	
23	4	2008	9R9L11L	494F003502	2	85.5	96.3	79.2	40	145	13.3	2007	
23	4	2008	2R12R9L	494013522F	2	85.1	96.7	82.2	41.2	68	13.1	2007	
23	4	2008	12R9L10L	494E707150	2	70.2	83.4	64.5	45.2	92	10.6	2007	
24	4	2008	1R12R9L	4B04400F25	2	79.5	88.6	72.6	39.1	126	11.6	2007	
24	4	2008	12R2L9L	4A74517F35	2	66.6	76.9	63.9	33.6	88	9	2007	
24	4	2008	11R12R9L	4A753D742D	1	69.8	82	65.4	31.8	93	9.2	2007	
24	4	2008	12R2L9L	4A72064440	2	86.8	97.4	81.9	44.5	168	10.9	2007	
24	4	2008	11R12R9L	4A722A3854	2	90	100.1	83.6	41.8	177	12.9	2007	
24	4	2008	10R12R9L	4A74712E06	3	79.7	90.9	74.8	36	123	13.3	2007	
24	4	2008	12R9L10L	4A711F655C	2	80.9	95.5	77.2	38.3	133	12.4	2007	
24	4	2008	1R	4A710A7E07	2	80.2	94	73.8	37.6	132	10.8	2007	
24	4	2008	3R12R9L	4A7112333A	2	81.4	89.9	71.9	39.6	131	12	2007	
24	4	2008	12R3L9L	4A72610513	2	73.1	81.9	65.8	39	98	9	2007	

Day	Month	Year	Notch ID	PIT Tag ID	Sex	PL	CL	Width	Height	Mass	RP	DOB	Comments
24	4	2008	1R	4A745A3100	2	75.1	87.1	69.3	36.5	110	10.7	2007	
24	4	2008	12R8L9L	4B0457462A	1	68.2	93.4	75.4	37.9	137	12.1	2007	
24	4	2008	2R12R9L	4A7470707D	2	96.9	112.1	91.9	46.1	235	15.8	2007	
24	4	2008	8R12R9L	4A7513230C	2	92.4	105.7	83.6	47.3	187	12.5	2007	
24	4	2008	12R1L9L	4A71262E4C	2	89.1	100.5	80.1	43.2	166	13.4	2007	
24	4	2008	8R1L9L	4A7452500E	2	87.8	98.6	79.6	40.8	155	12.1	2007	
24	4	2008	11R12R9L	4A74516F4B	2	84.1	97.2	82.1	43.6	155	12.5	2007	
20	5	2008	12R9L	494F096368	2	75.9	91.1	75.3	40	145	11.8	2007	
20	5	2008	12R9L10L	4A7450537E	2	77.3	93.3	77.2	37.6	137	12.2	2007	
20	5	2008	2R12R9L	4A723D7078	3	74.1	84.9	70.2	36.1	105	11.9	2007	
20	5	2008	12R9L10L	4A751L2956	2	80.7	101.3	80.9	44.1	185	14	2007	
20	5	2008	12R8L9L	4A7538502L	3	84.9	99.9	80.4	44.4	182	13.1	2007	
20	5	2008	12R9L11L	4A745A3D5C	2	72.9	83	66.5	37.5	100	11.1	2007	
20	5	2008	12R.3L9L	49405A242D	2	56.2	64.3	52.2	30.7	52	7.4	2007	
20	5	2008	12R1L9L	4A72305E5L	2	62.7	69.7	57.1	30.1	67	10.7	2007	
20	5	2008	1R12R9L	4A74707249	2	94.4	107.3	91.7	46.6	239	14.1	2007	
20	5	2008	12R9L10L	4A745B5E25	2	83	98.7	80.6	41.7	165	12.6	2007	
20	5	2008	12R9L11L	4A72395659	2	76.9	91.4	73.4	42.1	124	11.2	2007	
20	5	2008	4/3R12R9L	494E781D1D	2	96.7	107.6	85.7	45.6	211	12.7	2007	
20	5	2008	12R9L10L	494D40544D	2	79.8	95.6	78.7	42.4	151	13.1	2007	
20	5	2008	2R12R9L	4A762B681B	3	78	90.3	75.3	37.4	134	12.2	2007	
20	5	2008	2R	4A7112267D	2	81.1	94.2	78.9	42.5	150	12.7	2007	
20	5	2008	1R12R9L	494E4C2716	2	75.3	82.5	69.1	31.2	110	9.9	2007	
20	5	2008	9R12R9L	4A762C7C00	2	62.7	72.9	59	32.3	80	9.6	2007	
20	5	2008	2R12R9L	4A75465D75	2	68.7	84.1	66.5	34.4	111	10.9	2007	
20	5	2008	12R3L9L	4A77027976	2	76	86.8	69.9	38.1	122	11.3	2007	
20	5	2008	12R8L9L	4A717F440A	2	71.1	87.6	70.3	37.1	114	11.2	2007	
20	5	2008	2R	4A725B1C43	2	76.7	89.9	74.2	38.7	128	12.7	2007	
20	5	2008	3R	494D300169	2	58.1	70.1	59.2	29.3	68	7.8	2007	
20	5	2008	12R9L12L	4A72717D3D	2	72.4	85.8	68.8	36.2	111	10	2007	
20	5	2008	8R12R9L	4A745C416F	2	80.8	92.6	73.8	41.4	137	11.4	2007	
20	5	2008	3R12R9L	4A754F650D	2	79	88.2	72.8	43.8	135	11.4	2007	
20	5	2008	12R9L10L	4A722C324D	1	74.4	89.1	73	38.9	131	11.9	2007	
20	5	2008	12R9L11L	4A74636711	2	91.2	104.7	86.3	45.9	197	13.8	2007	
20	5	2008	10R12R9L	4A7461415B	2	73.7	83.7	70	34.2	110	10.9	2007	
20	5	2008	12R8L9L	4A74683732	2	73.5	86.3	69.6	38.1	120	11.7	2007	
20	5	2008	12R9L10L	4A761B2348	2	85	100.2	82.3	43.6	170	14.2	2007	
20	5	2008	8R12R9L	4A717C3C3B	2	75.6	86	69.3	37.5	110	9.9	2007	
20	5	2008	1R	4A7470024D	2	83.3	96.1	77.6	39.8	151	12	2007	
20	5	2008	1R	4A7505022B	2	79.9	94.9	78.4	41.3	160	10.9	2007	
20	5	2008	9R12R9L	4A75307320	2	68.7	82.3	69.4	37.8	111	10.6	2007	
20	5	2008	3R	4A75384345	2	68.3	81.6	68.2	34.1	99	9.9	2007	UMBI
20	5	2008	8R	4A721F4833	2	45.8	52.5	46	25.6	35	5.5	2007	UMBI
20	5	2008	9R	4A722D114D	2	52.7	63.1	52.7	27	49	8.7	2007	UMBI
20	5	2008	8R	4B04340E10	2	48.4	56	45.2	25.9	37	8.3	2007	UMBI
20	5	2008	9R	49627A2B7F	2	39	44.3	37.9	19.8	19	6.4	2007	UMBI
20	5	2008	9R	4A72665266	2	67	77.4	65.2	34.4	95	10.1	2007	UMBI
20	5	2008	3R	4A74552833	2	90.7	107.5	89.9	46.4	221	13.8	2007	UMBI
20	5	2008	9R11L	4A723E6833	2	104.3	115.9	99.8	49.6	308	17.7	2007	UMBI
20	5	2008	3R	4A74610235	2	80.7	94.2	76.8	41.5	153	11.6	2007	UMBI
20	5	2008	3R	4A76246833	2	75.3	87.2	70.5	36.9	128	10.6	2007	UMBI
20	5	2008	9R	494E7F0010	2	76.9	89.7	74.3	39.7	148	11.4	2007	UMBI
20	5	2008	3R	496245441D	2	73.1	91	77.4	38.9	148	10.6	2007	UMBI
21	5	2008	9R	4A75384A20	2	54.6	64.9	55.1	28.4	55	8.7	2007	UMBI
21	5	2008	3R	4A75025C3B	2	53.6	62.5	51.4	26.6	45	8.6	2007	UMBI

Day	Month	Year	Notch ID	PIT Tag ID	Sex	PL	CL	Width	Height	Mass	RP	DOB	Comments
21	5	2008	8R	4A751E6514	2	62.9	71.7	59.1	30.4	80	8.7	2007	UMBI
21	5	2008	9R11L	4A77123125	2	55.6	60.8	51.6	28.4	46	10.1	2007	UMBI
21	5	2008	8R	4A722F4620	3	66.1	72.9	64.6	35.9	93	10.3	2007	UMBI
21	5	2008	3R	4A7515312D	2	66.4	76.9	65.6	29.5	88	8.8	2007	UMBI
21	5	2008	3R	4A7709335D	2	58.7	69.9	57.8	30	67	8.4	2007	UMBI
21	5	2008	9R	4A72314349	2	58.1	69.4	56.8	28.9	61	8.2	2007	UMBI
21	5	2008	8R	4A746B6C17	2	67.1	74.1	65	35.7	90	10.9	2007	UMBI
21	5	2008	3R	4A74700A0B	2	58.1	68.4	53.1	29.3	64	7.7	2007	UMBI
21	5	2008	9R	4A74682041	2	44.5	49.5	42.1	22.1	26	6.9	2007	UMBI
21	5	2008	8R	4A76257E77	2	53.7	58	49.8	26.3	39	8.7	2007	UMBI
21	5	2008	9R	4A76201544	2	52.8	59.8	50.9	28.7	50	6.9	2007	UMBI
21	5	2008	8R	4A726F7977	2	48.6	53.6	43.3	24.4	33	7	2007	UMBI