

**TERRAPIN MONITORING AT POPLAR ISLAND  
ENVIRONMENTAL RESTORATION PROJECT**

**2005**

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**BACKGROUND**

The Poplar Island Environmental Restoration Project (PIERP) is a large-scale project that is using dredged material to restore the eroding island in the Middle Chesapeake Bay formerly known as Poplar Island. As recently as 100 years ago, the island was greater than 400 hectares and contained upland, mid- and low-level wetlands. During the past 100 years the island had eroded and only three, small (<4 hectares) islands remained before the project commenced. In a large-scale project, the United States Army Corps of Engineers (USACE) and the Maryland Port Administration (MPA) are rebuilding and restoring Poplar Island. A series of stone-covered dikes facing the windward shores prevent erosion. Dredged material from the Chesapeake Bay Channels will fill the areas within the dikes, ultimately restoring the island to a size similar to what existed over 100 years ago. The ultimate goal of the project is to rebuild and restore the habitat for the wildlife that once existed on Poplar Island.

One of the wildlife species targeted in the restoration project is the diamondback terrapin, *Malaclemys terrapin*. These emydid turtles were probably common in the Poplar Island archipelago. However, the persistent erosion of Poplar and nearby islands has greatly reduced the nesting and juvenile habitat of the terrapin. Thus, the local terrapin population in the archipelago may be below their former levels. Terrapin populations likely declined due to emigration of adults, which combined with the reduction of available high quality nesting habitat, reduced recruitment. By restoring the island and providing nesting and juvenile habitat, terrapin populations utilizing the PIERP and the surrounding wetlands could significantly increase and potentially repopulate to their former levels. The restoration also could provide the resources that would allow terrapin populations to increase. Terrapin nesting habitat includes accessible sandy areas that are above the mean high tide. Juvenile terrapin habitat includes the salt flats and fringe marsh common along the Chesapeake Bay shoreline.

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 began to monitor 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.

Beginning in 2002, Ohio University terrapin researchers identified major terrapin nesting beaches at the PIERP, quantified nest and hatching success rates, and marked and released over 500 hatchlings (Roosenburg and Allman, 2003). A continuing concern is that some nesting beaches are not located in close proximity to suitable hatchling and juvenile habitat, potentially resulting in reduced hatchling survivorship. In 2002 the researchers released hatchlings in a small marsh habitat located between Coaches Island and the PIERP. This was the only natural marsh habitat available to hatchling and juvenile terrapins near the PIERP during those years. It is unknown whether this small area can support a large hatchling and juvenile population; therefore, the researchers

released marked hatchlings collected in the 2003 and 2004 studies in Cell 4DX, a recently constructed demonstration marsh. Terrapin researchers will determine the suitability of hatchling habitat in Cell 4DX by future surveys of marked individuals in the area.

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. This includes monitoring the responses to change in habitat availability throughout the progression of the project; determining hatchling viability, recruitment rates, and sex ratios to evaluate the suitability of the island for terrapin nesting; and determining if the project is affecting terrapin population dynamics by increasing the amount of juvenile and nesting habitat on the island.

## METHODS

### *Identification of terrapin nests:*

From 15 May to 1 August 2005, the Ohio University researchers surveyed nesting areas daily (figure 1); 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). The researchers occasionally searched the periphery of Cell 4DX for signs of terrapin nesting on the surrounding dikes. Geographic positioning system (GPS) recorded nest position 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. Researchers excavated recent nests (less than 24 hours old) to count the number of eggs and weigh the individual eggs.



### *Monitoring hatching success:*

After 45 to 50 days of incubation, researchers placed an aluminum ring around each nest to prevent emerging hatchlings from escaping. Anti-predator cages also were placed over nests to prevent avian predators from preying on emerging hatchlings within the ring. Beginning in late July, the researchers checked ringed nests at least once daily for emerged

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

hatchlings. Researchers brought newly emerged hatchlings to a storage shed onsite 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, and eggs that appeared to be incompletely developed. To estimate hatching success, researchers compared the number of surviving hatchlings to the total number of eggs from only the nests for which total clutch size was known. 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.

#### *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 2005 nests over-wintered (hatchlings remaining in the nest until the spring of the following year), researchers traveled to the PIERP on 3 April 2006 to excavate and monitor over-wintering nests.

#### *Measuring, tagging, and release of hatchlings:*

Researchers brought all hatchlings back to the Maryland Environmental Service (MES) trailer onsite where they placed hatchlings in plastic containers with water until they were processed. Researchers marked hatchlings by notching the 11<sup>th</sup> right marginal scute and 11<sup>th</sup> left marginal scute establishing the cohort ID 11R11L for 2005. Researchers implanted individually marked binary coded wire tags (CWTs, Northwest Marine Technologies<sup>®</sup>) in all hatchlings. The CWTs were placed subcutaneously in the right rear hind 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 ( $\pm 0.1$  mm) and mass ( $\pm 0.1$  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, with the exception of one individual that they released in the north corner of the notch. The researchers held many of the hatchlings for several days prior to release. On several occasions, they released large numbers (>50) of hatchlings simultaneously. Eight hatchlings that emerged from a nest in late October were held over winter and released the following spring. These hatchlings were remeasured at the time of their release to monitor any growth while in captivity.

#### *Arlington Echo Education Program:*

In a program coordinated by MES for the USACE and MPA, 105 hatchlings were

provided to the Arlington Echo Outdoor Education Center (AE) for a terrapin education / environmental outreach program. In May 2006, researchers traveled to AE to PIT (spell out, first time using) tag 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 2006, the AE animals were returned to the PIERP for release in the notch.

Researchers summarized and processed all data using Microsoft Excel<sup>®</sup>. Institutional Animal Care and Uses Committee (IACUC) at Ohio University approved animal use protocols and Maryland Department of Natural Resources (MD DNR) – Fisheries Division issued a Scientific Collecting Permit to Willem M. Roosenburg (WMR).

## RESULTS

### *Nest and Hatchling Survivorship:*

During the 2005 terrapin nesting season (May-August), the researchers located 261 nests on the PIERP. They located 21 more nests after the nesting season as the hatchlings emerged from their nests (raw nest data provided in Appendix 1). This represents a 57% increase compared to the nesting that occurred in 2004. Researchers found nests on the beach, on the outside of Cells 5 and 3, inside of Cell 6 and in the notch area. Additionally, researchers found one nest inside Cell 5 on one of the bird nesting islands. The female turtle apparently got through a washed out portion of the fence and was able to get inside Cell 5. Predators destroyed 45 nests and partially destroyed 30 additional nests. The majority of the predation occurred opposite Coaches Island in the notch and on the outside of Cell 5. It is suspected that birds, particularly in the case of partially depredated nests, did the majority of the predation. At least three of the depredated nests appeared to have been destroyed by foxes as indicated by the manner the nest was dug and foot prints around the nest. Additionally, 11 nests were washed away during high tides because the females laid their eggs too close to the high tide line. Eight nests had either all or a portion of the eggs thinly shelled. There were three instances in which females dug up either part or all of a previously laid nest. Additionally, three nests were accounted for because the ring caught almost twice as many hatchlings as there were eggs in the original nest, indicating the presence of a previously undiscovered nest. Of the remaining 282 nests, 189 of these produced hatchlings either as evidenced by live hatchlings or hatchling tracks emerging from the nest, which indicated that they had escaped. This resulted in an overall nest success of 67.0% including depredated nests and 83.2% of the nests that survived predation.

Table 1. Summary of the number, location and predation of diamondback terrapin nests discovered on the PIERP during the summer of 2005.

<b>Location</b>	<b>Nests Discovered</b>	<b>Depredated</b>	<b>Washed Away</b>	<b>Nests Hatched</b>
Cell 5	94	31	0	59
Cell 3 Beach	36	3	11	17
Notch	130	35	0	64
Cell 6	22	6	0	17
<b>Total</b>	282	75	11	157

The researchers also recorded data of clutch size, total clutch mass and egg size. These data are summarized in Table 2. Because clutch size data was collected for most nests, the average within clutch survivorship was calculated to be 66.7% (SD = 29.8%, n = 157, Table 2).

Table 2. Summary of average clutch size, clutch mass, egg size, and numbers of hatchlings per nest from the PIERP.

	<b>Clutch Size</b>	<b>Number of Hatchlings</b>	<b>Clutch Mass</b>	<b>Egg Size</b>
Mean	13.57	9.05	133.5	9.91
Standard Deviation	2.656	4.69	28.772	0.986

#### *Hatchlings:*

Researchers captured 1,526 hatchlings on the PIERP between 10 August 2005 and 3 April 2006. All hatchlings except for 4 were caught at the location of the nests. These include the ringed nests and the 21 nests that were found as the hatchlings emerged. This finding suggests that there was thorough coverage of the nesting areas and a high percentage of the nests were located during the study period.

The mean PIERP hatchling measurements are summarized in Table 3 (raw data provided in Appendix 2). Hatchlings had a mean plastron length of 27.4 mm and a mean carapace length of 31.0 mm. The average weight of hatchlings was 7.5 g. Four hundred ninety-five (32.4%) had shell scute pattern anomalies. The scute anomalies

Table 3. Summary of hatchling metrics caught on the PIERP

	<b>Plastron Length (mm)</b>	<b>Carapace Length (mm)</b>	<b>Carapace Width (mm)</b>	<b>Height (mm)</b>	<b>Mass (g)</b>
<b>Mean</b>	27.4	31.0	27.7	16.2	7.5
<b>Standard Deviation</b>	1.9	2.2	1.9	1.0	1.1

included extra marginal, vertebral, and pleural scutes. One hatchling was discovered that had a developmental defect that resulted in an abnormal shell; due to this abnormality the terrapin was not able to pull its head into its shell.

*Over-wintering:*

In mid-October 2005, researchers went to the PIERP to excavate nests that had produced hatchlings and to identify nests that might over-winter. Twenty-nine over-wintering nests produce hatchlings. On 3 April 2006, researchers returned to the PIERP to excavate the remaining over-wintering nests and recovered 165 live hatchlings. Because of warmer than anticipated temperatures during the winter of 2005/2006, nine of the over-wintering nests emerged and these hatchlings died in the rings. Procedures have been implemented to keep this from occurring in the future. Over-wintering hatchlings did not differ in plastron length (ANOVA,  $F_{1,1514} = 1.59$ ,  $P > 0.20$ , Table 4) or mass (ANOVA,  $F_{1,1335} = 0.0$ ,  $P > 0.96$ , Table 4) compared to hatchlings that emerged in the fall.

Table 4. Summary statistics of terrapin size comparing hatchlings from nests emerged in the fall and those that over-wintered in the nest on the PIERP.

<b>Fall Emergers</b>	<b>Plastron Length (mm)</b>	<b>Carapace Length (mm)</b>	<b>Width (mm)</b>	<b>Mass (g)</b>	<b>Height (mm)</b>
<b>Mean</b>	27.4	31.0	27.7	7.5	16.2
<b>S.D.</b>	1.7	1.9	1.7	1.1	1.1
<b>Spring Emergers</b>					
<b>Mean</b>	27.6	31.3	27.8	7.4	16.4
<b>S.D.</b>	1.5	1.7	1.5	0.9	0.8

*Adult and Juvenile Terrapins:* The researchers and MES personal assisted in the capture of 10 adult females on the PIERP during the 2005 nesting season. Researchers marked all females with PIT tags and a monel metal tag in the 9<sup>th</sup> marginal scute on the right side. Data of these animals can be found in the Appendix, Table 3. The researchers also collected data from 28 hatchlings that were captured in 2004 and were held over the winter in the MES offices onsite. Researchers measured, marked with CWTs and

released these terrapins in Cell 4DX (Appendix 3). Researchers also PIT tagged terrapins that were part of the AE Terrapin Education Program. Researchers tagged, sexed, and processed 105 terrapins in early May (Appendix 4). The students released 104 of these on the PIERP in late May and early June. One of the terrapins died following laparoscopy to determine sex.

## CONCLUSIONS

Terrapin nesting on the PIERP continues to increase and the 120 nest increase from 2004-2005 indicates a clear trend. This is the second year in a row that the number of nests has increased by more than 100 nests. The nesting activity on the island most likely is increasing because more females are discovering the nesting areas on the PIERP vs. other nesting areas on Coaches and Jefferson's Islands and possibly the mainland. Because this is the second year of thorough daily nesting surveys, the research team is confident that a part of this increase is real. However, the research team does acknowledge that proficiency at locating nests can vary from year to year. Because it takes female terrapins a minimum of 8 years to reach maturity, the nesting increase is not because of recruitment from the PIERP in the previous 4 years. The female terrapins are either immigrating to the Poplar Island archipelago or they are choosing to nest on the PIERP after previously nesting on Coaches or Jefferson's Island. During 2005, the researchers continued their daily surveys and under optimal nesting conditions, twice daily surveys of the nesting areas. This was possible because Sean Sullivan was dedicated full-time to locating terrapin nests. Interestingly, 21 nests were discovered by hatchlings emerging, suggesting that some nests remained undetected despite the thorough nesting beach surveys. Most of these nests were probably laid over the weekend when nesting surveys were not completed.

The PIERP has resulted in providing excellent nesting habitat since the completion of the perimeter dike. While nest survivorship remains high on the PIERP relative to the mainland, it continues to decrease, primarily because nest predators are discovering the high-density terrapin nesting. During 2004 researchers began to notice increased predation of nests, primarily by a small mammal that was preying on the nests as the hatchlings were emerging. In 2005, the researchers noticed that crows had learned how to locate terrapin nests and excavate them. The crows depredated a large number of nests in Cell 5 and the notch area. Interestingly, most of the avian predation did not destroy all of the eggs in the nest, however, the excavation and exposure of the remaining eggs to higher than normal temperatures may have resulted in killing some of the remaining embryos. Whenever possible, researchers reburied exposed nests in the hope that the eggs had not gotten too hot. Both nest and hatchling 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) and this decreased to 67% in 2005 because of the increase in predation. Hatchling survivorship has fluctuated among years from 93% in 2003 (Roosenburg et al., 2004) to 71% in 2004 (Roosenburg et al., 2005) and decreased in 2005 to 66.2%. The decrease in 2005 is most likely a result of the partial predation of many nests that still produced hatchlings.



Although predation rates of nests are low compared to mainland terrapin nesting sites, predation rates are increasing on the PIERP. The foxes that colonized the island during 2004 clearly destroyed three of the nests. The presence of their tracks near the excavated nest and the manner in which the nests were dug (similar to the digging of a dog) identified foxes as the predator. It was interesting that the foxes did not destroy more terrapin nests, and it is likely that the fox removal efforts by the United States Fish and Wildlife Service (USFWS) personnel (covered under the site's depredation permit) can be credited for keeping the predation rates low. Researchers also confirmed crows preying on terrapin nests through the presence of bird tracks and direct observation of the predation. Crows either completely or partially depredated a large number of nests in the notch and Cell 5. Researchers reburied partially destroyed nests and many of these still produced hatchlings. Other researchers have observed birds excavating terrapin nests and noted that they frequently do not destroy the entire clutch of eggs (Wood and Butler, 2004, pers. comm.). Several times during the 2005 season, researchers identified small mammal tracks inside nest rings. These mammals may have preyed upon hatchlings that were held in the ring. Frequently, the research team discovered small tunnels leading into nest suggesting a small burrowing mammal. Researchers could not confirm what kind of mammal was visiting these rings or whether they indeed consumed hatchlings, however Draud et al., (2005) found that rats prey on hatchling terrapins in New York.

The absence of efficient nest predators such as raccoons results in high nest survivorship rates that are much greater than other nesting areas that have been studied. As observed in 2002 - 2004 (Roosenburg and Allman, 2003; Roosenburg et al., 2004, Roosenburg et al., 2005), the survivorship of known nests was much higher than normally encountered for terrapins because of the lack of nest predators on the PIERP. Raccoons, foxes, and otters are known terrapin nest predators and contribute to low nest survivorship in areas where predators occur, sometimes depredating 95% of the nests (Roosenburg, 1994). Additionally, the lack of raccoons on the PIERP minimized the risk to nesting females that also may be depredated by raccoons (Seigel, 1980; Roosenburg pers. obs.). Thus, the PIERP is successfully creating terrapin nesting habitat.

As observed in summer 2002 - 2004 (Roosenburg and Allman, 2003; Roosenburg et al., 2004), terrapin nesting on the PIERP occurred in areas where terrapins could easily access potential nesting sites. These areas are outside of Cells 3 and 5, and inside of 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 last year. Although this fence is effectively preventing terrapins from nesting in Cell 4 and 5, it also is causing many females to lay their nests at the base of the fence. Therefore, it is recommended that the effect of the fence on terrapin nesting be carefully monitored. Throughout the remainder of the PIERP, the stone face of the surrounding retaining dike is a barrier that prevents terrapins from accessing potential nesting sites. 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.

The large number of nests combined with the high nest survivorship resulted in a record 1,526 hatchlings captured on the PIERP. Hatchlings started emerging from the nests on 10 August 2005; the last hatchlings emerged in 3 April 2006. Researchers released all of the hatchlings in Cell 4DX and Cell 3D, however, it was noted that many of the hatchlings, particularly those released in September and October, headed to shore as opposed to heading to the water. Recent data of hatchling terrapins in New York suggests that they spend their first winter in terrestrial vs. aquatic habitats (Draud, 2004 pers. comm.). This may be a mechanism to avoid predation and to avoid freezing in shallow marsh sediments. Researchers witnessed many of the PIERP hatchlings distinctly heading away from the water. This behavior is interesting and potentially problematic because these hatchlings may be entering cells that are targeted for filling in the upcoming fall and winter.

The hatchlings produced on the PIERP 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. The frequency of shell scute anomalies and cranial developmental anomalies, 32%, is higher than the average for terrapin populations, approximately 10% (Herlands et al., 2002). A high frequency of shell scute anomalies was also observed in 2002 - 2004 (Roosenburg and Allman, 2003, Roosenburg et al., 2004, Roosenburg et al., 2005). Warmer incubation temperatures cause higher frequencies of shell scute anomalies in terrapins (Herlands et al., 2002). 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., 1995). 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., 1995; Roosenburg and Kelly, 1996). The higher frequency of anomalies may be indirect evidence that the PIERP may be producing a higher than average number of female hatchlings. Continued monitoring of the PIERP terrapins will be able to confirm this hypothesis.

During the winter of 2005/2006 a significant number of nests over-wintered successfully. The recovery of 165 hatchlings from 29 over-wintering nests continues to indicate that this is a successful strategy used by some terrapin nests. Interestingly, during 2004 over-wintering hatchlings were lighter and smaller than hatchlings that emerged in the fall (Roosenburg et al., 2005), but in 2005 there was no difference between fall and spring emerging hatchlings. In addition to the over-wintering of the nests, researchers also noticed that hatchlings released after processing 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 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 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 was a success. Students significantly increased the size of the hatchlings they raised to sizes that are characteristic of 2-3 year old terrapins in the wild. Additionally, researchers were able to get some of the first sex ratio data from the hatchlings because they had obtained sizes that were large enough to allow for laparoscopic surgery. Additionally, because these hatchlings were PIT tagged the researchers hope to be able 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 vs. those that have been given a head start for 9 months.

The initial success of terrapin use of the PIERP predicts that similar projects may have success in creating terrapin nesting habitat. One of the major factors threatening terrapin populations throughout their range is the loss of nesting habitat to development and shoreline stabilization (Roosenburg, 1991; Siegel and Gibbons, 1995). Projects such as the PIERP that combine the beneficial use of dredged material and ecological restoration have the potential to create habitat similar to what has been lost to erosion and human practices. With proper management, areas such as the PIERP may become areas of concentration for species such as terrapins and thus become a source population for the recovery of terrapins throughout the Bay.

The PIERP Monitoring Framework identifies three hypotheses for the terrapin monitoring program. The first hypothesis evaluates changes in nesting activity from year to year. During 2005 nesting activity increased by more than 100 discovered nests thus the hypothesis that there is no difference between years in the number of nests is rejected. However, the increase in the number of nests is a positive sign that the PIERP is resulting in good terrapin nesting habitat. The second hypothesis evaluates the nest and hatching survivorship. Nest survivorship continues to be high on the PIERP, significantly higher than on mainland nesting areas where predation rates of nests range from 70 to 100%. The continued absence of the traditional predators (raccoon and fox) on the PIERP continues to result in lower than mainland predation rates. Hatching success continues to be high on the PIERP, although the partial predation of many nests by smaller predators such as birds and a small unidentified mammal have resulted in decreasing nest success over the past four years on the PIERP. The second hypothesis is rejected but once again the difference favors the successful use by terrapin of the PIERP. Finally, the number of nests is the only data that can test the third hypothesis, which evaluates changes in the terrapin population around the PIERP. The dramatic increase in the number of nests during 2005 suggests that the terrapin population in the Poplar archipelago is increasing. This indirect method of evaluating the population suggest an increase, however in future years we hope to obtain a more direct evaluation of this hypothesis by using mark-recapture techniques. Based on the evaluation of terrapin activity on the PIERP the research team concludes that the project is having a positive effect on terrapins in the archipelago by providing high quality nesting habitat.

## RECOMMENDATIONS

As the PIERP continues, terrapins will continue to use the habitat for nesting. There are some short-term measures that can be taken to improve nesting habitat on the island. First, a suggestion that nesting areas devoid of vegetation be provided as terrapin nesting habitat. During 2005, engineers initiated tidal flow into Cell 3D that may have contributed to the erosion and loss of most of the nesting habitat outside of Cell 3. This was optimal habitat because it was devoid of vegetation and in the sheltered PIERP harbor. 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 into cells under construction to find suitable, open areas. Second, predator control on the island will be paramount to the continued success of terrapin recruitment. Keeping raccoon and fox populations to a minimum will maintain the high levels of nest survivorship observed in 2002 - 2004. Consideration of crow removal is a potential option to reduce nest predation. 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). Promoting or requiring the use of BRDs in the PIERP archipelago could greatly reduce the mortality of juvenile female and male terrapins. The recommendations offered herein will contribute to the continuing and increasing use of the PIERP by terrapins. As terrapin monitoring continues, evaluating the success of these measures, if implemented, will be conducted.

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## Appendix 1 - PIERP 2005 Terrapin Nests

1

Nest Number	Date	Latitude	Longitude	Exposure	Area	Cell	Predation	Clutch Size	Clutch Mass	Mean Egg Mass	Hatchlings	Comments
001	7-Jun-05	N38 44.985	W76 22.053	Sun	Edge	5	N	11	109.6	10.0	9	Excavated 8/16//05,1 Dead embryo found
002	8-Jun-05	N38 45.034	W76 22.178	Sun	Edge	5	N	13	139.6	10.7	11	Excavated on 10/7/05, 2 dead egg
003	8-Jun-05	N38 45.075	W76 22.412	Semi	Edge	Notch	Y	13	105.9	9.6		Predation on 8/8/05 - eggs remain, Excavated on 10/7/05, 2 dead eggs
004	8-Jun-05	N38 45.131	W76 22.478	Semi	Veg	Notch	N	13	134.7	10.4	13	Excavated on 10/12/05
005	8-Jun-05	N38 45.2	W76 22.793	Semi	Open	3	N	13	154.3	11.9	3	Excavated on 8/16/05,1 Dead egg
006	8-Jun-05	N38 45.659	W76 22.808	Sun	Open	3	N	18	174.6	9.7		Excavated on 10/13/05
007	8-Jun-05	N38 45.659	W76 22.807	Sun	Open	3	N	15	134.2	8.9		Destroyed by storm on 7/14/05
008	8-Jun-05	N38 45.711	W76 22.817	Sun	Open	3	N	9	89.2	9.9		Egg 2 had dome shaped bump 2mm in diameter, Eggs laid in 2 inch gap in rocks of rip-rap, Destroyed by erosion
009	9-Jun-05	N38 45.6	W76 22.787	Semi	Open	3	N	13	138.6	10.7		Destroyed by storm of 7/14/05
010	9-Jun-05	N38 45.712	W76 22.804	Sun	Open	3	N	16	140.0	8.8		Destroyed by storm on 7/8/05
011	9-Jun-05	N38 45.745	W76 22.824	Sun	Open	3	N	12	121.9	10.2		Moved because of erosion on 6/23/05, New lat N38 45.732, long W76 22.820, Destroyed by erosion
012	9-Jun-05	N38 45.205	W76 22.428	Sun	Edge	Notch	Y(6/20/05)	13	136.3	10.5		Unknown # of eggs remain, Nest discovered on 6/8/05, Excavated 6/9/05
013	9-Jun-05	N38 45.197	W76 22.437	Semi	Edge	Notch	N	16	147.3	9.2	2	Nest close to fence
014	9-Jun-05	N38 45.175	W76 22.451	Sun	Edge	Notch	N	19	160.4	8.4		Egg 13 broken and not returned to nest, thin shelled eggs
015	9-Jun-05	N38 45.154	W76 22.467	Sun	Edge	Notch	N	15	84.2	8.4	2	5 eggs broken, Excavated on 8/30/05, 8 dead eggs
016	9-Jun-05	N38 45.090	W76 22.463	Semi	Edge	Notch	Y(6/21/05)	10	110.4	11.0		Nest destroyed on 6/21/05, Nest two feet from fence
017	9-Jun-05	N38 45.076	W76 22.456	Sun	Edge	Notch	Y(6/21/05)	15	150.3	10.0		Nest Destroyed on 6/21/05
018	9-Jun-05	N38 45.024	W76 22.448	Sun	Edge	Notch	N	7	72.2	10.3		Excavated on 10/7/05, 7 dead eggs
019	9-Jun-05	N38 44.991	W76 22.069	Sun	Open	5	Y(6/28/05)	3	29.7	9.9	4	Unknown # of eggs remain, Excavated on 8/16/05
020	9-Jun-05	N38 44.972	W76 22.028	Semi	Open	5	N	14	153.2	10.9	14	scale broken: do not rely on these measurements, Excavated on 10/7/05
021	9-Jun-05	N38 45.320	W76 22.939	Sun	Edge	East 6	N	18	181.0	10.1	14	Excavated on 8/10/05, 1 dead egg, 1 embryo underdeveloped
022	9-Jun-05	N38 44.901	W76 22.599	Sun	Veg	East 6	N	14	147.0	10.5	10	Excavated on 9/7/05, 3 dead eggs
023	10-Jun-05	N38 44.826	W76 22.564	Sun	Open	West 6 inland side	Y (7/11/05)	14	27.7	9.2		11 eggs with extremely soft shells, all were broken and removed from the nest, egg 1 had a soft and deeply indented shell, 3 eggs remain but are dead
024	10-Jun-05	N38 45.045	W76 22.207	Semi	Edge	5	N	13	132.0	10.2		Nest discovered on 6/9/05, Excavated on 10/7/05, 1 dead egg
025	10-Jun-05	N38 45.085	W76 22.331	Semi	Edge	5	N	12	122.3	10.2	5	Nest discovered on 6/9/05, Excavated 8/30/05, 7 dead eggs
026	10-Jun-05	N38 45.097	W76 22.328	Semi	Edge	5	N	10	114.0	11.4	6	Nest discovered on 6/9/05, eggs 7,10 are kidney shaped, Excavated on 10/7/05, 2 dead eggs, 1 albino embryo that died later in the lab
027	10-Jun-05	N38 45.091	W76 22.369	Semi	Edge	Notch	N	16	169.6	10.6	2	Nest discovered on 6/9/05, 1 dead egg, Excavated on 8/15/05
028	10-Jun-05	N38 45.072	W76 22.386	Sun	Edge	Notch	N	13	132.8	10.2	11	Excavated on 10/7/05
029	10-Jun-05	N38 45.072	W76 22.395	Shade	Edge	Notch	N	13			10	Nest discovered on 6/9/05, Nest on fence, Excavated on 9/22/05, 3 dead eggs
030	10-Jun-05	N38 45.139	W76 22.478	Semi	Edge	Notch	N	14	140.4	10.0	4	Fully excavated, 3 dead eggs
031	10-Jun-05	N38 45.075	W76 22.472	Semi	Edge	Notch	Y(6/21/05)	14	138.1	9.9		Egg 13 was soft
032	10-Jun-05	N38 45.071	W76 22.443	Sun	Edge	Notch	N	10				
033	10-Jun-05	N38 45.736	W76 22.14	Sun	Open	3	N	14				Between rocks in the rip-rap, 7 or 8 eggs destroyed by the storm
034	10-Jun-05	N38 45.709	W76 22.802	Shade	Open	3	N	15				Destroyed by erosion

## Appendix 1 - PIERP 2005 Terrapin Nests

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Nest Number	Date	Latitude	Longitude	Exposure	Area	Cell	Predation	Clutch Size	Clutch Mass	Mean Egg Mass	Hatchlings	Comments
035	10-Jun-05	N38 45.656	W76 22.808	Sun	Open	3	N	16				Two nests labeled 35, another is on South Notch and is referred to as 35B. This one is 35A., Excavated on 9/7/05
036	10-Jun-05	N38 45.075	W76 22.385	Sun	Edge	Notch	N	14			12	Was labeled as 35B, Excavated on 9/7/05
037	10-Jun-05	N38 45.072	W76 22.398	Shade	Edge	Notch	N	16			11	Some eggs soft and deeply indented, against the fence
038	10-Jun-05	N38 45.062	W76 22.431	Sun	Edge	Notch	Y(6/21/05)	12				
039	10-Jun-05	N38 45.073	W76 22.437	Sun	Edge	Notch	Y(6/13/05)	11				Destroyed by a fox
040	10-Jun-05	N38 45.074	W76 22.448	Semi	Edge	Notch	Y(6/23/05)	14			3	7-12 eggs remaining, Against the fence
041	10-Jun-05	N38 45.075	W76 22.451	Sun	Edge	Notch	Y(6/21/05)	12				
042	13-Jun-05	N38 44.988	W76 22.068	Sun	Edge	5	N	10	105.0	10.5	9	Excavated on 10/5/05, 1 dead egg
043	13-Jun-05	N38 45.004	W76 22.108	Semi	Edge	5	N	16	158.4	9.9	14	Excavated on 10/7/05, 2 dead eggs
044	13-Jun-05	N38 45.019	W76 22.139	Sun	Edge	5	N	14	155.8	11.1	4	Excavated on 10/7/05, 9 dead eggs
045	13-Jun-05	N38 45.022	W76 22.147	Sun	Edge	5	N	11	104.3	9.5	9	Excavated on 10/7/05, 2 dead eggs, May have been a second nest within the ring that was not documented
046	13-Jun-05	N38 45.027	W76 22.158	Semi	Edge	5	N	14	128.1	9.2	1	Excavated on 9/7/05, 13 dead eggs
047	13-Jun-05	N38 45.075	W76 22.282	Semi	Edge	5	N	11	124.0	11.3	1	Excavated on 10/7/05, 11 dead eggs
048	13-Jun-05	N38 45.084	W76 22.300	Sun	Edge	5	N	13	119.6	9.2	11	Excavated on 9/7/05, 1 hatchling captured but had exposed embryo sac and died
049	13-Jun-05	N38 45.085	W76 22.308	Sun	Edge	5	N	17			1	Stopped recording mass, 1 dead hatchlings in March
050	13-Jun-05	N38 45.093	W76 22.325	Semi	Edge	5	N	15			9	Excavated, 3 dead eggs, 1 hatchling escaped w/o mark
051	13-Jun-05	N38 45.090	W76 22.378			Notch	N	14				13 eggs not fully shelled, Removed broken eggs, reburied 1 egg, Excavated on 10/7/05, one dead egg
052	13-Jun-05	N38 45.072	W76 22.398	Sun	Edge	Notch	N	10				
053	13-Jun-05	N38 45.074	W76 22.411	Semi	Edge	Notch	Y(6/29/05)	11				4 eggs destroyed by turtle that layed nest 117, Nests 53 and 117 are rung together
054	13-Jun-05	N38 45.081	W76 22.469	Sun	Edge	Notch	N	15			1	
055	13-Jun-05	N38 45.084	W76 22.469	Sun	Edge	Notch	Y(6/13/05)					Destroyed by a fox
056	13-Jun-05	N38 45.203	W76 22.433	Sun	Edge	Notch	Y(6/15/05)	11			7	Excavated on 9/9/05, 4 dead eggs
057	13-Jun-05	N38 45.633	W76 22.791	Sun	Open	3	N	15				Excavated on 10/13/05-13 dead eggs
058	13-Jun-05	N38 45.646	W75 22.801	Sun	Open	3	N	12			8	Excavated on 10/13/05-1 dead eggs
059	13-Jun-05	N38 45.655	W76 22.804	Sun	Open	3	N	19				Destroyed in storm on 7/14/05
060	13-Jun-05	N38 45.356	W76 23.359	Sun	Open	West 6	Y(6/28/05)	17				
061	13-Jun-05	N38 45.048	W76 22.214	Sun	Edge	5	N	11			4	Excavated on 10/7/05, 5 dead eggs
062	13-Jun-05	N38 45.069	W76 22.418	Sun	Edge	Notch	N	15			3	Excavated on 10/13/05-7 dead eggs
063	13-Jun-05	N38 45.111	W76 22.478	Sun	Edge	Notch	N	17				
064	13-Jun-05	N38 45.081	W76 22.294	Semi	Edge	5	Y(6/22/05)	13			13	Excavated on 10/13/05, Found 2 loggers when only one was buried originally
065	14-Jun-05	N38 45.075	W76 22.385	Semi	Edge	Notch	N	13				
066	14-Jun-05	N38 45.074	W76 22.392	Sun	Edge	Notch	N	9			8	
067	14-Jun-05	N38 45.072	W76 22.398	Sun	Edge	Notch	N	12			11	Excavated on 10/13/05, 2 dead eggs
068	14-Jun-05	N38 45.100	W76 22.479	Sun	Edge	Notch	Y(6/16/06)	12				Eggs had chalky tops
069	14-Jun-05	N38 45.079	W76 22.292	Sun	Edge	5	N	14				
070	14-Jun-05	N38 44.994	W76 22.077	Semi	Edge	5	N	14			3	4 eggs were broken, One of these had a dome shaped protrusion(5mm), these eggs were removed, Excavated on 10/7/05, dead eggs
071	14-Jun-05	N38 44.977	W76 22.047	Semi	Edge	5	N	11			10	against fence



## Appendix 1 - PIERP 2005 Terrapin Nests

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Nest Number	Date	Latitude	Longitude	Exposure	Area	Cell	Predation	Clutch Size	Clutch Mass	Mean Egg Mass	Hatchlings	Comments
072	14-Jun-05	N38 45.633	W76 22.791	Semi	Open	3	N				11	Eggs very chalky (old nest)
073	14-Jun-05	N38 45.660	W76 22.809	Semi	Open	3	N	9				Eggs laid w/o shell, Most were broken, 3 were not put back in the ground, Excavated on 10/13/05
074	15-Jun-05	N38 45.653	W76 22.806	Sun	Open	3	N				1	Eggs too chalky to excavate, Fully excavated on 10/13/05
075	15-Jun-05	N38 45.077	W76 22.278	Sun	Edge	5	N	9	86.8	9.6	10	Excavated on 10/7/05, 1 dead egg
076	15-Jun-05	N38 45.070	W76 22.406	Sun	Edge	Notch	N	16	153.0	9.6	11	Eggs 13 and 15 were slightly kidney shaped, Excavated on 8/30/05, dead eggs
077	16-Jun-05	N38 45.074	W76 22.453	Sun	Edge	Notch	N	14	151.6	10.8	10	Excavated on 10/5/05, 2 dead eggs
078	17-Jun-05	N38 45.081	W76 22.488	Sun	Edge	Notch	Y(6/20/05)	15	143.1	9.5		Nest destroyed
079	17-Jun-05	N38 45.088	W76 22.492	Sun	Edge	Notch	Y(7/5/05)	15				One egg was very large relative to others in the nest, unknown # of eggs remain
080	17-Jun-05	N38 45.082	W76 22.466	Sun	Edge	Notch	N	12			8	Eggs half chalky
081	17-Jun-05	N38 45.077	W76 22.387			Notch	N					old nest
082	17-Jun-05	N38 45.085	W76 22.305	Sun	Edge	5	N	15			8	Eggs were 3/4 chalky, Excavated on 10/7/05, 2 dead eggs
083	17-Jun-05	N38 45.641	W76 22.798	Sun	Open	3	N	17	166.8	9.8	17	Excavated on 8/30/05
084	21-Jun-05	N38 45.139	W76 22.478	Sun	Edge	Notch	N					Eggs were completely white, Excavated on 10/12/05, 2 dead eggs
085	21-Jun-05	N38 45.166	W76 22.460	Sun	Edge	Notch	Y(6/28/05)	17			11	Balance stopped working, Excavated on 10/6/05, 1 dead embryo
086	21-Jun-05	N38 44.692	W76 22.937	Sun	Open	West 6	Y(7/11/05)	14			11	Excavated on 9/22/05, unknown # of eggs remain
087	22-Jun-05	N38 44.960	W76 221.994	Sun	Open	5	Y(6/24/05)	15	156.8	10.5		Relocated on 7/21/05 to N38 44.959 W76 21.996, Excavated on 10/7/05
088	22-Jun-05	N38 45.091	W76 22.317	Sun	Edge	5	N	14	137.2	9.8	9	One foot from washout stream, Excavated on 10/13/05, 1 dead egg
089	22-Jun-05	N38 45.060	W76 22.390	Sun	Edge	Notch	N	16	173.3	10.2		5 hatchlings emerged with yolk sac exposed on 8/26, Nest 89 and 148 combined, Excavated on 8/30/05
090	22-Jun-05	N38 45.069	W76 22.417	Sun	Edge	Notch	N	12	125.1	10.4	4	Excavated on 10/14/05
091	22-Jun-05	N38 45.076	W76 22.416	Sun	Veg	Notch	N	16	148.9	9.3	1	1 dead hatchlings in March
092	23-Jun-05	N38 45.088	W76 22.474	Sun	Edge	Notch	Y(6/28/05)	13	152.1	11.7	11	
093	23-Jun-05	N38 45.203	W76 22.424	Sun	Edge	Notch	N	15	156.6	10.4		
094	23-Jun-05	N38 45.642	76 22.799	Sun	Open	3	N	13	125.5	9.7	12	Excavated on 10/13/05, 1 dead egg
095	23-Jun-05	N38 45.652	W76 22.805	Sun	Open	3	N	11	121.4	11.0	8	Excavated on 8/25/05
096	23-Jun-05	N38 44.812	W76 23.015	Sun	Edge	West 6	N	17				Scale broke, Flags gone 9/8 looks like it was destroyed by a bulldozer,
097	23-Jun-05	N38 45.013	W76 23.082	Sun	Open	West 6	N	14			3	Excavated on 10/11/05, 4 dead eggs
098	23-Jun-05	N38 45.111	W76 22.480	Sun	Edge	Notch	N	12				
099	24-Jun-05	N38 44.747	W76 22.549	Sun	Open	East 6	Y(7/12/05)	18	194.6	10.8	8	7-12 eggs remain, Excavated on 9/22/05, 3 dead eggs
100	24-Jun-05	N38 44.974	W76 22.039	Sun	Edge	5	Y(6/30/05)	13	120.5	9.3		Excavated on 10/5/05
101	24-Jun-05	N38 44.985	W76 22.064	Sun	Edge	5	N	14	140.9	10.1	14	Against the fence, Excavated 10/7/05
102	24-Jun-05	N38 45.000	W76 22.097	Semi	Edge	5	N	16			3	On Fence, Edge of cliff, Excavated on 10/5/05
103	24-Jun-05	N38 45.076	W76 22.279	Sun	Edge	5	N	15	149.0	9.9	8	2 feet from fence, Excavated on 9/22/05
104	24-Jun-05	N38 45.099	W76 22.340	Sun	Edge	5	N	21	175.2	8.3	18	Egg 3 had a string like structure at the tip, Excavated on 10/6/05
105	24-Jun-05	N38 45.096	W76 22.374	Sun	Edge	Notch	N	14	144.3	10.3		
106	24-Jun-05	N38 45.080	W76 22.462	Sun	Edge	Notch	N	18	171.5	9.5	14	Excavated on 10/12/05
107	24-Jun-05	N38 45.645	W76 22.800	Sun	Open	3	N	16	144.2	9.0	15	Excavated on 8/30/05, 1 dead egg
108	27-Jun-05	N38 44.969	W76 22.013	Sun	Edge	5	Y(7/5/05)	16	123.4	7.7		Nest destroyed by a fox

## Appendix 1 - PIERP 2005 Terrapin Nests

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Nest Number	Date	Latitude	Longitude	Exposure	Area	Cell	Predation	Clutch Size	Clutch Mass	Mean Egg Mass	Hatchlings	Comments
109	27-Jun-05	N38 44.982	W76 22.069	Sun	Edge	5	N	15	133.3	8.9	15	Excavated on 10/12/05
110	27-Jun-05	N38 44.988	W76 22.072	Semi	Open	5	N	13	130.2	10.0		Hatchlings may have escaped from ring on 9/24/05, Excavated on 10/7/05
111	27-Jun-05	N38 45.048	W76 22.220	Semi	Edge	5	N	16	140.5	8.8		Nest against fence, Received over winter logger from nest #251 on 10/13/05
112	27-Jun-05	N38 45.061	W76 22.139	Sun	Edge	5	N	16	170.6	10.7	15	
113	27-Jun-05	N38 45.088	W76 22.315	Semi	Edge	5	N				15	Against fence
114	27-Jun-05	N38 45.098	W76 22.340	Sun	Edge	Notch	N				9	Eggs very white, did not excavate,
115	27-Jun-05	N38 45.070	W76 22.402	Sun	Edge	Notch	N					Very soft eggs, At least 2 eggs broken
116	27-Jun-05	N38 45.072	W76 22.403	Sun	Edge	Notch	N	18	187.4	11.0	12	1 egg broken during excavation, Excavated on 10/13/05, 2 dead eggs
117	27-Jun-05	N38 45.067	W76 22.408	Sun	Edge	Notch	Y(7/5/05)	14	152.3	10.9	2	Nest laid in previous nest #53, 4 eggs from #53 destroyed, Nest is against the fence, unknown # of eggs remain from predation, 2 dead hatchlings in March
118	27-Jun-05	N38 45.066	W76 22.410	Sun	Edge	Notch	N	14	141.0	10.1	14	Nest on fence
119	27-Jun-05	N38 45.067	W76 22.413	Sun	Edge	Notch	N				16	Nest too old to excavate, Excavated on 10/13/05
120	27-Jun-05	N38 45.066	W76 22.424	Shade	Open	Notch	N	13	130.2	10.0	8	On fence behind grass, Excavated on 10/12/05
121	27-Jun-05	N38 45.060	W76 22.433	Sun	Edge	Notch	N	14			12	Scale stopped working, Excavated on 10/12/05
122	27-Jun-05	N38 45.068	W76 22.442	Sun	Edge	Notch	N	16			14	Excavated on 10/12/05, 2 dead eggs
123	27-Jun-05	N38 45.085	W76 22.472	Sun	Edge	Notch	Y(6/29/05)	13				Thin shelled, 2 eggs broken, Excavated on 10/14/05, 9 dead eggs, 1 dead embryo
124	27-Jun-05	N38 45.098	W76 22.478	Semi	Edge	Notch	N					Nest is too old to excavate, On fence
125	27-Jun-05	N38 45.169	W76 22.455	Semi	Edge	Notch	N				16	Against fence, Nest is too old to excavate, Excavated on 8/30/05, 3 dead eggs
126	27-Jun-05	N38 45.194	W76 22.438	Sun	Edge	Notch	Y(6/29/05)				4	Nest is too old to excavate
127	27-Jun-05	N38 45.638	W76 22.792	Sun	Open	3	N	16			16	eggs 1/3 white, Excavated on 10/13/05
128	27-Jun-05	N38 45.639	W76 22.795	Sun	Open	3	N	14			14	Excavated on 10/6/05
129	27-Jun-05	N38 45.762	W76 22.826	Sun	Edge	3	N	15	172.4	11.5		Destroyed by erosion
130	28-Jun-05	N38 45.102	W76 23.142	Sun	Open	West 6	Y(6/29/05)	12	74.0	6.2		Nest destroyed by predation
131	28-Jun-05	N38 44.778	W76 22.555	Sun	Open	East 6	Y(6/29/05)	11			1	Eggs are 1/3 white, Excavated on 10/7/05, 3 dead eggs found on 10/11
132	28-Jun-05	N38 44.977	W76 22.039	Sun	Edge	5	Y(6/30/05)	13			13	Predator did not reach eggs
133	28-Jun-05	N38 45.002	W76 22.101	Sun	Edge	5	N	14			10	
134	28-Jun-05	N38 45.092	W76 22.360	Sun	Edge	Notch	N	14				
135	28-Jun-05	N38 45.087	W76 22.367	Sun	Edge	Notch	N					Old nest-did not excavate
136	28-Jun-05	N38 45.064	W76 22.449	Sun	Edge	Notch	N	13			13	Against the fence, Excavated on 10/12/05, Another nest was found in this ring = #282
137	28-Jun-05	N38 45.072	W76 22.450	Sun	Edge	Notch	N					Eggs white- did not excavate, Excavated on 10/12/05, 4 dead eggs
138	29-Jun-05	N38 45.069	W76 22.407	Sun	Edge	Notch	Y(6/29/05)					Nest found after predation occurred, One destroyed egg found on the surface
139	29-Jun-05	N38 44.965	W76 22.012	Sun	Edge	5	N	15	140.3	9.4	13	Excavated on 10/13/05
140	29-Jun-05	N38 45.642	W76 22.800	Sun	Open	3	N	16	144.5	8.5	17	Excavated on 10/6/05
141	30-Jun-05	N38 44.963	W76 22.005	Semi	Open	5	N	10			10	Shallow nest about 5cm from top egg to surface, Against the fence Excavated on 9/7/05

## Appendix 1 - PIERP 2005 Terrapin Nests

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Nest Number	Date	Latitude	Longitude	Exposure	Area	Cell	Predation	Clutch Size	Clutch Mass	Mean Egg Mass	Hatchlings	Comments
142	1-Jul-05	N38 45.102	W76 22.482	Sun	Edge	Notch	?	15			1	Excavated on 10/7/05, 3 dead eggs
143	1-Jul-05	N38 45.6_1	W76 22.789	Sun	Open	3	N	14				Destroyed by erosion
144	5-Jul-05			Sun	Edge	5	Y(7/28/05)	15	160.7	10.7	13	Eggs remain, Egg 4 has hole, Excavated on 10/5/05
145	5-Jul-05	N48 45.010	W76 22.123	Sun	Edge	5	N	16	160.5	10.0	15	Excavated on 10/13/05, 1 dead egg
146	5-Jul-05	N38 45.028	W76 22.164	Sun	Edge	5	N	17	159.5	9.4	15	Excavated on 10/13/05, 1 dead embryo
147	5-Jul-05	N38 45.071	W76 22.375	Sun	Edge	Notch	N	12	129.5	10.8	9	Excavated on 10/13/05
148	5-Jul-05	N38 45.073	W76 22.392	Sun	Edge	Notch	N	13	127.6	9.8		Nest laid on top of old nest #89, Excavated along with nest #89 on 8/30
149	5-Jul-05	N38 45.067	W76 22.439	Sun	Edge	Notch	N	14	141.3	10.1	14	Excavated on 10/5/05
150	5-Jul-05	N38 45.091	W76 22.478	Sun	Edge	Notch	N	14	146.7	10.5	1	1 dead hatchlings in March
151	5-Jul-05	N38 45.661	W76 22.807	Sun	Open	3	Y(7/7/05)	13	109.8	9.2		1 egg broken during excavation, Destroyed in storm on 7/14/05
152	5-Jul-05	N38 45.401	W76 22.932	Sun	Edge	East 6	N	15	171.1	11.4	10	Excavated on 10/11/05 3 dead eggs
153	5-Jul-05	N38 44.678	W76 22.505	Sun	Edge	East 6	N	12	149.8	12.5	8	Excavated on 9/22/05, 2 dead turtles
154	6-Jul-05	N38 45.066	W76 22.435	Sun	Edge	Notch	Y(7/11/05)	10	99.1	9.9		Near fence, Nest destroyed by predation
155	6-Jul-05	N38 45.069	W76 22.403	Sun	Edge	Notch	Y(7/11/05)	16				One egg was broken previous to excavation, 15 eggs returned to the nest, Nest destroyed by predation
156	6-Jul-05	N38 45.096	W76 22.338	Sun	Edge	5	Y(7/7/05)	14				Nest destroyed by predation
157	6-Jul-05	N38 45.104	W76 22.343	Semi	Edge	5	Y(7/6/05)				3	Nest partially excavated by predator, 4 eggs found
158	7-Jul-05	N38 45.633	W76 22.792	Sun	Open	3	N	14	141.1	10.1		Nest laid on top of nest #57, Eggs very shriveled, Excavated along with nest 57 on 10/14, 13 dead eggs
159	7-Jul-05	N38 45.150	W76 22.470	Semi	Edge	Notch	N	4	37.5	9.4	2	Up against the fence, Excavated on 10/6/05, 2 dead eggs
160	7-Jul-05	N38 45.094	W76 22.478	Open	Edge	Notch	N	17	188.0	11.1	9	9 dead hatchlings in March
161	7-Jul-05	N38 45.074	W76 22.456	Semi	Edge	Notch	N	14	141.3	10.1	14	Against fence, Excavated on 10/12/05
162	7-Jul-05	N38 45.075	W76 22.385	Sun	Edge	Notch	N	13	133.1	10.2	7	Excavated on 9/22/05, Found maggots but could not find dead eggs
163	7-Jul-05	N38 45.097	W76 22.358	Semi	Edge	Notch	Y(7/11/05)	18	156.7	8.7		Egg 11 had bump at tip
164	7-Jul-05	N38 45.094	W76 22.326	Sun	Edge	5	N	11				
165	7-Jul-05	N38 45.092	W76 22.323	Semi	Edge	5	Y(7/7/05)					Old nest discovered after predation, Unknown number of eggs remain, Excavated on 10/7/05, 3 dead eggs
166	7-Jul-05	N38 45.092	W76 22.318	Semi	Edge	5	N	21			12	On fence, Excavated on 10/13/05, 9 dead eggs
167	7-Jul-05	N38 45.080	W76 22.292	Sun	Edge	5	N	14			13	Excavated on 10/13/05
168	7-Jul-05	N38 45.060	W76 22.241	Semi	Edge	5	N				22	Eggs completely white
169	7-Jul-05	N38 45.054	W76 22.229	Semi	Edge	5	Y(7/7/05)					No eggs left, One egg found destroyed at surface
170	7-Jul-05	N38 45.015	W76 22.123	Open	Edge	5	Y(7/7/05)					
171	7-Jul-05	N38 44.974	W76 22.029	Sun	Edge	5	Y(7/7/05)					Found after predation
172	7-Jul-05	N38 44.962	W76 22.003	Sun	Open	5	N	18			6	Close to the fence
173	7-Jul-05	N38 44.960	W76 21.993	Semi	Open	5	N				13	On fence, Excavated on 10/5/05
174	7-Jul-05	N38 44.907	W76 22.034	Sun	Edge	5 Island	N	11			10	Excavated on 9/27/05, 1 dead embryo
175	11-Jul-05	N38 44.964	W76 22.002	Sun	Open	5	Y(7/13/05)	16	151.2	9.5	16	Excavated on 10/7/05
176	11-Jul-05	N38 44.966	W76 22.013	Semi	Edge	5	Y(7/13/05)	16	147.6	9.2		On Fence, Destroyed by a bird
177	11-Jul-05	N38 44.949	W76 22.003	Semi	Open	5	Y(7/12/05)	11	114.6	10.4		On Fence
178	11-Jul-05	N38 44.970	W76 22.028	Sun	Edge	5	Y(7/18/05)	11				
179	11-Jul-05	N38 45.646	W76 22.804	Sun	Open	3	N	13	137.0	10.5	14	Excavated on 10/6/05
180	11-Jul-05	N38 45.646	W76 22.800	Sun	Open	3	N	15	138.3	9.2	15	Excavated on 9/7/05
181	11-Jul-05	N38 45.648	W76 22.805	Sun	Open	3	N	15	158.0	10.5	15	Excavated on 9/22/05

## Appendix 1 - PIERP 2005 Terrapin Nests

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Nest Number	Date	Latitude	Longitude	Exposure	Area	Cell	Predation	Clutch Size	Clutch Mass	Mean Egg Mass	Hatchlings	Comments
182	11-Jul-05	N38 45.649	W76 22.805	Sun	Open	3	N	8	99.0	12.4	8	Excavated on 9/22/05
183	11-Jul-05	N38 44.971	W76 22.028	Sun	Edge	5	Y(7/26/05)	13	146.2	11.2		
184	11-Jul-05	N38 45.005	W76 22.108	Semi	Edge	5	N	12	113.9	9.5	7	Egg 3 not properly formed, Egg 2 very small and deformed, Excavated on 10/5/05, 4 dead eggs
185	11-Jul-05	N38 45.018	W76 22.126	Semi	Open	5	Y(7/12/05)	16	133.9	8.4		Egg 2 had one end that came to a point
186	11-Jul-05	N38 45.033	W76 22.182	Sun	Edge	5	Y(7/11/05)					1 foot from the fence
187	11-Jul-05	N38 45.037	W76 22.185	Sun	Edge	5	N	14	139.7	10.0	8	Excavated on 10/7/05, 3 dead eggs, Hatchlings may have dug out of
188	11-Jul-05	N38 45.051	W76 22.226	Semi	Edge	5	Y(7/11/05)					
189	11-Jul-05	N38 45.070	W76 22.266	Sun	Edge	5	N	12	121.6	10.1	12	Excavated on 9/22/05
190	11-Jul-05	N38 45.070	W76 22.266	Sun	Edge	5	N	12	128.1	10.7	10	Excavated on 10/13/05, 2 dead eggs
191	11-Jul-05	N38 45.076	W76 22.282	Sun	Edge	5	N	14	128.7	9.2	6	Kidney shaped eggs, Excavated on 10/14/05, 6 dead eggs
192	11-Jul-05	N38 45.085	W76 22.371	Sun	Edge	Notch	N	15	140.6	9.4	14	Excavated on 10/13/05
193	11-Jul-05	N38 45.084	W76 22.400	Sun	Edge	Notch	N	16			10	Eggs were 1/2 white, did not weigh, 8 dead hatchlings in March
194	11-Jul-05	N38 45.068	W76 22.444	Semi	Edge	Notch	N	12	128.9	10.7		On the fence
195	11-Jul-05	N38 45.068	W76 22.444	Semi	Edge	Notch	N	9			9	Eggs completely white, did not weight, Excavated on 10/12/05
196	11-Jul-05	N38 45.094	W76 22.480	Sun	Edge	Notch	N	13	136.7	10.5	7	Excavated on 10/5/05, 1 dead egg
197	11-Jul-05	N38 45.131	W76 22.480	Sun	Edge	Notch	N	15				1/3 white, did not weigh
198	11-Jul-05	N38 45.165	W76 22.461	Sun	Edge	Notch	N	15			1	1/3 white, did not weigh, one kidney shaped egg, Excavated on 10/6/05, 2 dead embryos, 5 dead eggs
199	11-Jul-05	N38 45.180	W76 22.451	Sun	Edge	Notch	N	14	143.4	10.2	8	
200	11-Jul-05	N38 45.186	W76 22.444	Sun	Edge	Notch	N	13			5	5 dead hatchlings in March
201	11-Jul-05	N38 45.166	W76 22.445	Semi	Edge	Notch	Y(7/13/05)	12			12	Against the fence, Fully excavated on 10/12/05
202	11-Jul-05	N38 44.975	W76 22.610	Sun	Edge	5	N	11			7	Excavated on 10/5/05, 2 dead eggs, 2 dead embryos
203	11-Jul-05	N38 45.310	W76 22.938	Sun	Open	East 6	N	13			8	Excavated on 10/11/05, 4 dead eggs
204	11-Jul-05	N38 45.301	W76 23.324	Sun	Open	West 6	N	14			12	Excavated on 10/11/05, 1 dead egg
205	11-Jul-05	N38 45.332	W76 22.953	Sun	Edge	East 6	N	12			2	Relocated on 8/25 b/c or erosion, 3 eggs relocated with temp. logger, New GPS N38 45.318 W76 22.954
206	12-Jul-05	N38 45.090	W76 22.731	Sun	Open	East 6	N	9			6	
207	12-Jul-05	N38 44.888	W76 22.592	Sun	Open	East 6	N	11			9	Excavated on 10/11/05, 1 dead egg
208	12-Jul-05	N38 45.003	W76 22.104	Sun	Edge	5	N	13			13	
209	12-Jul-05	N38 45.065	W76 22.434	Sun	Edge	Notch	N	13				
210	12-Jul-05	N38 45.079	W76 22.462	Sun	Open	Notch	N	16			15	Excavated on 10/7-1 dead egg
211	12-Jul-05	N38 45.085	W76 22.471	Sun	Edge	Notch	N	17			16	Excavated on 10/12/05
212	12-Jul-05	N38 45.188	W76 22.443	Sun	Edge	Notch	N	16			11	Excavated on 10/6/05, 1 dead embryo
213	12-Jul-05	N38 45.076	W76 22.456	Sun	Open	Notch	N	13			12	Excavated on 10/12/05
214	13-Jul-05	N38 45.096	W76 22.333	Semi	Edge	Notch	N	12	137.5	11.5		Under tree trunk, Nest may have been destroyed
215	13-Jul-05	N38 45.081	W76 22.464	Semi	Edge	Notch	N	17	170.3	9.5	7	1.5 feet from fence, 5 dead hatchlings in March
216	13-Jul-05	N38 45.138	W76 23.177	Sun	Open	West 6	N	15	166.0	11.1	10	Excavated on 10/11/05, May have been 2 dead eggs
217	15-Jul-05	N38 45.084	W76 22.302	Sun	Edge	5	Y(7/15/05)	17	158.1	9.3		15 eggs destroyed, Nest destroyed by a bird
218	15-Jul-05	N38 45.076	W76 22.383	Semi	Edge	Notch	Y(7/15/05)		90.1	11.3		Nest discovered after predation, 8 eggs remain
219	15-Jul-05	N38 45.069	W76 22.426	Sun	Edge	Notch	Y(7/18/05)	16	151.9	9.5		
220	15-Jul-05	N38 45.068	W76 22.442	Semi	Edge	Notch	Y(7/19/05)	10	100.9	10.1		Eggs remain
221	15-Jul-05	N38 45.214	W76 22.424	Sun	Edge	Notch	N					Eggs completely white

## Appendix 1 - PIERP 2005 Terrapin Nests

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Nest Number	Date	Latitude	Longitude	Exposure	Area	Cell	Predation	Clutch Size	Clutch Mass	Mean Egg Mass	Hatchlings	Comments
222	15-Jul-05	N38 45.644	W76 22.798	Sun	Open	3	N	13	125.1	9.6	9	Small green blotches on eggs 1,2,3,13, Excavated on 10/6/05, 3 dead eggs
223	18-Jul-05	N38 45.337	W76 22.960	Sun	Open	East 6	N	11			10	Excavated on 10/11/05, 1 dead egg
224	18-Jul-05	N38 44.976	W76 22.038	Sun	Edge	5	Y(7/20/05)	13			6	Some eggs remain
225	18-Jul-05	N38 44.977	W76 22.058	Sun	Edge	5	Y(7/26/05)	9			1	Eggs destroyed by a crow
226	18-Jul-05	N38 45.042	W76 22.197	Sun	Edge	5	Y(8/8/05)	11				Eggs destroyed by a crow
227	18-Jul-05	N38 45.068	W76 22.261	Sun	Edge	5	N	14			10	One egg broken during excavation, it was counted, Excavated on 10/5/05-1 dead egg
228	18-Jul-05	N38 45.091	W76 22.321	Sun	Edge	5	N	16			9	Excavated on 10/5/05-1 dead egg, 2 dead eggs, 2 dead embryos
229	18-Jul-05	N38 45.095	W76 22.330	Sun	Edge	5	N	12			8	Excavated on 9/22/05, 4 dead eggs
230	18-Jul-05	N38 45.078	W76 22.377	Semi	Edge	Notch	N	21			17	One foot from the fence, Excavated on 10/13/05, 3 dead eggs
231	18-Jul-05	N38 45.068	W76 22.413	Sun	Edge	Notch	N	15			15	
232	18-Jul-05	N38 45.072	W76 22.450	Sun	Edge	Notch	Y(7/19/05)	14			2	7/19/05-predation by a crow, one egg found broken, 7/20/05-two eggs found broken at the surface, 7/22/05- eggs remain, Excavated on 10/5/05
233	18-Jul-05	N38 45.097	W76 22.477	Sun	Edge	Notch	Y(7/20/05)	14				
234	18-Jul-05	N38 45.097	W76 22.479	Sun	Edge	Notch	N	11			8	Excavated on 10/5/05, 1 dead egg
235	18-Jul-05	N38 45.130	W76 22.479	Sun	Edge	Notch	Y(7/19/05)	13				One egg broken before excavation
236	18-Jul-05	N38 45.143	W76 22.479	Semi	Edge	Notch	N	9			5	On the fence, Excavated on 10/6/05, 2 dead eggs, 1 dead embryo
237	18-Jul-05	N38 45.162	W76 22.463	Sun	Edge	Notch	N	10			2	2 hatchlings died of desiccation
238	18-Jul-05	N38 45.189	W76 22.440	Sun	Edge	Notch	N	9			7	Excavated on 10/6/05, 2 dead eggs
239	18-Jul-05	N38 45.649	W76 22.801	Sun	Open	Notch	N	13				
240	19-Jul-05	N38 45.079	W76 22.292	Sun	Edge	5	N	14	100.7	7.2		Nest laid next to nest #69
241	19-Jul-05	N38 45.081	W76 22.300	Semi	Edge	5	Y(8/9/05)	10			3	Eggs remain
242	19-Jul-05	N38 45.098	W76 22.332	Sun	Edge	5	Y(8/16/05)	13				Eggs destroyed by a crow
243	19-Jul-05	N38 45.150	W76 22.472	Sun	Edge	Notch	N	12			10	Excavated on 9/22/05, One dead egg
244	20-Jul-05	N38 44.715	W76 22.520	Sun	Open	East 6	N	9	90.0	10.0		
245	20-Jul-05	N38 45.056	W76 22.235	Sun	Edge	5	Y(7/26/05)	12	119.9	10.0	2	Some eggs remain after predation by a crow, 2 dead hatchlings in March
246	20-Jul-05	N38 45.066	W76 22.441	Sun	Edge	5	N	13	133.1	10.2	4	Larger eggs at surface, Excavated on 10/12/05, 4 dead hatchlings in March
247	20-Jul-05	N38 45.076	W76 22.451	Sun	Edge	Notch	N	15	137.7	9.2		Larger eggs at the surface, Excavated with nest 137 on 10/12/05, 4 dead eggs
248	20-Jul-05	N38 45.109	W76 22.483	Sun	Edge	Notch	Y	17	148.0	8.7	6	Eggs remain after predation by a crow
249	21-Jul-05	N38 45.327	W76 22.951	Sun	Edge	East 6	N	16	112.2	7.0	11	Excavated on 10/5/05, 3 dead eggs
250	21-Jul-05	N38 44.980	W76 22.047	Sun	Edge	5	N	15	141.3	9.4	8	Excavated on 10/5/05, But one egg remained so it was reburied with the logger
251	21-Jul-05	N38 45.031	W76 22.171	Sun	Edge	5	Y	12	115.3	9.6	1	Eggs remain after predation by a crow
252	21-Jul-05	N38 45.201	W76 22.436	Semi	Edge	Notch	Y(7/26/05)	11	103.5	9.4	7	One foot from fence, Excavated on 10/12/05, 1 dead egg
253	22-Jul-05	N38 45.111	W76 22.480	Sun	Edge	Notch	N	11	106.0	9.6	1	
254	22-Jul-05	N38 45.148	W76 22.472	Sun	Edge	Notch	Y(7/26/05)	12	104.5	8.7		Eggs remain after predation by a crow
255	22-Jul-05	N38 45.642	W76 22.798	Sun	Open	3	Y(8/2/05)	19	148.6	7.8	11	Eggs remain after predation, Excavated on 10/6/05, 3 dead eggs, 1 dead embryo

## Appendix 1 - PIERP 2005 Terrapin Nests

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Nest Number	Date	Latitude	Longitude	Exposure	Area	Cell	Predation	Clutch Size	Clutch Mass	Mean Egg Mass	Hatchlings	Comments
256	26-Jul-05	N38 44.964	W76 22.081	Sun	Edge	5	Y(7/27/05)	10	105.0	10.5		Destroyed by a crow
257	26-Jul-05	N38 45.007	W76 22.113	Sun	Edge	5	N	8	71.7	9.0	8	Excavated on 10/13/05
258	27-Jul-05	N38 45.072	W76 22.396	Sun	Edge	Notch	Y(8/8/05)	16	140.8	8.8	1	One egg remained after predation by a crow
259	27-Jul-05	N38 45.064	W76 22.438	Sun	Edge	Notch	Y(8/2/05)	13	136.0	10.5	6	Eggs remain after predation
260	28-Jul-05	N38 45.067	W76 22.431	Sun	Edge	Notch	Y(8/8/05)	12	119.0	9.9		Eggs destroyed by a crow
261	2-Aug-05	N38 45.636	W76 22.799	Sun	Open	3	Y(8/17/05)					Extremely soft shells, Destroyed by predation
262	15-Aug-05	N38 45.030	W76 22.172	Sun	Open	5	Y					Discovered after crow predation
263	15-Aug-05	N38 45.631	W76 22.792	Sun	Open	3	N					Discovered after hatching
264	18-Aug-05	N38 45.098	W76 22.478	Sun	Edge	Notch	N					Discovered after hatching, 5 dead eggs with roots in them
265	19-Aug-05	N38 45.027	W76 22.157	Sun	Edge	5	N				2	Discovered after hatching, 5 dead eggs with roots in them, 2 dead hatchlings
266	31-Aug-05	N38 45.003	W76 22.115	Sun	Edge	5	N					Discovered after hatching
267	6-Sep-05	N38 45.127	W76 22.479	Semi	Edge	Notch	N					One foot from the fence, Found after hatching
268	6-Sep-05	N38 45.081	W76 22.330	Sun	Edge	5	N					Discovered after hatching, 1 dead egg, Excavated on 10/13/05, 2 dead eggs
269	12-Oct-05	N38 45.208	W76 22.427	Sun	Edge	Notch	N					Nest found after hatching
270	12-Oct-05	N38 45.197	W76 22.436	Sun	Edge	Notch	N					Found after hatching, 1 dead embryo
271	12-Oct-05	N38 45.146	W76 22.473	Sun	Edge	Notch	N				2	Found after hatching, One hatchling found, 1 dead embryo
272	12-Oct-05	N38 45.129	W76 22.480	Sun	Edge	Notch	N					Found after hatching, 1 dead egg, 1 dead embryo
273	12-Oct-05	N38 45.130	W76 22.479	Sun	Edge	Notch	N					Found after hatching
274	12-Oct-05	N38 45.103	W76 22.480	Sun	Edge	Notch	N					Found after hatching, 2 dead eggs, 1 dead embryo
275	12-Oct-05	N38 45.073	W76 22.455	Sun	Edge	Notch	N					Found after hatching
276	12-Oct-05	N38 45.061	W76 22.438	Sun	Edge	Notch	N					Found after hatching, 1 dead egg
277	12-Oct-05	N38 45.094	W76 22.327	Sun	Edge	5	N					Found after hatching, 3 dead eggs
278	13-Oct-05	N38 45.6 5	W76 22.796	Sun	Open	3	N					Found after hatching
279	13-Oct-05	N38 45. 9	W76 22.193	Sun	Edge	5	N					Found after hatching, 2 dead eggs
280	13-Oct-05	N38 45. 5	W76 22.301	Sun	Edge	5	N					Found after hatching
281	13-Oct-05	N38 45.093	W76 22.327	Semi	Edge	5	N					Found after hatching, On fence, 3 dead embryos, 1 dead egg
282	13-Oct-05	N38 45.064	W76 22.449	Sun	Edge	Notch	N					Found when excavating nest #136, Both 136 and 282 shared the same ring

## Appendix 2. PIERP 2005 Terrapin Hatchlings

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Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
8/10/05	10794		9R10L	Nest	21	26.2	29.3	25.7	17.3	7.2	
8/10/05	10793		9R10L	Nest	21	26.9	30.1	25.7	16.7	7.1	13 marginals on both sides, anomolous vertebrals
8/10/05	10798	10797	9R10L	Nest	21	27.1	29.5	27.0	16.3	7.4	
8/10/05	10796		9R10L	Nest	21	26.9	29.2	26.2	16.9	7.4	
8/10/05	10799	10800	9R10L	Nest	21	23.2	24.1	23.3	16.5	6.1	21 marginal in total, anomalous vertebrals,large yolk sac
8/10/05	10801		9R10L	Nest	21	26.7	29.5	26.0	16.5	7.5	
8/10/05	10803	10802	9R10L	Nest	21	24.3	27.0	24.0	16.8	6.5	
8/10/05	10804		9R10L	Nest	21	26.7	29.8	26.6	17.3	7.6	
8/10/05	10806		9R10L	Nest	21	27.2	30.1	26.5	16.3	7.4	
8/10/05	10808	10807	9R10L	Nest	21	25.0	28.6	24.3	15.7	6.2	
8/10/05	10809		9R10L	Nest	21	28.2	32.4	28.1	16.7	8.0	
8/10/05	10811		9R10L	Nest	21	26.7	28.0	25.4	16.2	7.1	no nuchal
8/10/05	10813	10812	9R10L	Nest	21	27.2	30.7	27.8	16.4	7.4	
8/10/05	10814		9R10L	Nest	21	26.2	30.0	26.7	16.2	7.5	
8/10/05	10816		1R9R10L	Nest	72	29.9	33.6	29.4	17.7	9.9	anomalous right posterior costal
8/10/05	10818	10817	1R9R10L	Nest	72	30.2	34.0	29.7	17.0	9.1	
8/10/05	10819		1R9R10L	Nest	72	29.1	32.0	28.8	17.7	9.4	
8/10/05	10821	10820	1R9R10L	Nest	72	26.7	31.6	28.7	17.7	8.7	anomalous posterior vertebral
8/10/05	10822		1R9R10L	Nest	72	29.2	32.1	28.7	17.3	8.8	anomalous posterior vertebral
8/11/05	10824		1R9R10L	Nest	72	27.2	32.1	29.2	17.2	8.6	
8/11/05	10826	10825	1R9R10L	Nest	72	29.9	32.2	29.0	17.3	9.5	extra left costal
8/11/05	10827		1R9R10L	Nest	72	28.7	32.4	28.4	17.6	9.0	
8/11/05	10829	10828	1R9R10L	Nest	72	26.7	31.4	27.6	17.2	8.1	
8/11/05	10831	10830	1R9R10L	Nest	72	27.1	32.2	29.2	16.8	8.7	anomalous posterior vertebral
8/11/05	10832		1R9R10L	Nest	72	28.4	32.2	28.7	17.0	9.0	
8/12/05	10834	10833	11R11L	Nest	5	29.4	33.8	29.0	17.1	9.2	
8/15/05	10835		11R11L	Nest	5	28.7	32.9	30.1	15.2	7.6	
8/15/05	10837		11R11L	Nest	26	27.2	32.1	30.1	16.6	8.4	
8/15/05	10839	10838	11R11L	Nest	26	25.1	31.3	29.1	16.2	7.4	
8/15/05	10840		11R11L	Nest	26	28.1	32.9	29.5	16.8	8.5	
8/15/05	10842	10841	11R11L	Nest	26	27.6	32.2	30.3	16.2	8.2	
8/15/05	10843		11R11L	Nest	1	26.1	29.8	27.7	14.4	6.4	
8/15/05	10845		11R11L	Nest	1	27.3	30.3	27.2	16.2	6.9	
8/15/05	10847	10846	11R11L	Nest	1	27.0	30.5	27.6	15.1	6.8	
8/15/05	10848		11R11L	Nest	1	27.5	28.6	28.0	15.1	7.1	
8/15/05	10850		11R11L	Nest	1	28.3	30.7	28.4	14.8	7.7	anomalous posterior vertebral
8/15/05	10852	10851	11R11L	Nest	1	26.7	30.0	27.7	15.0	7.4	
8/15/05	10853		11R11L	Nest	1	27.2	30.5	28.9	14.4	7.3	
8/15/05	10856		11R11L	Nest	1	27.5	30.6	28.5	14.0	7.3	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
8/15/05	10858		11R11L	Nest	1	27.2	31.2	28.1	14.9	7.0	
8/15/05	10855	10854	11R11L	Nest	57/158	24.9	29.7	26.7	14.7	7.2	
8/16/05	10860	10859	11R11L	Nest	5	30.6	34.8	29.7	17.5	9.5	
8/16/05	10861		11R11L	Nest	27	26.8	31.0	26.6	15.9	7.8	anomalous V4,V5
8/16/05	10863	10862	11R11L	Nest	27	26.9	30.6	26.8	15.2	7.3	
8/16/05	10865	10864	11R11L	Nest	26	27.4	31.8	29.6	15.7	7.3	
8/16/05	10866		11R11L	Nest	26	25.6	30.0	28.7	15.9	7.0	
8/16/05	10868	10867	11R11L	Nest	19	27.1	31.1	27.6	15.8	7.1	
8/16/05	10869		11R11L	Nest	19	27.4	31.7	27.2	15.6	7.3	
8/16/05	10871		11R11L	Nest	19	27.8	31.3	27.7	15.8	7.4	
8/17/05	10873	10872	11R11L	Nest	25	28.5	30.5	27.2	17.3	7.5	anomalous V5
8/17/05	10874		11R11L	Nest	25	27.7	30.9	27.0	16.3	7.5	anomalous V5, 13 marginals on both sides
8/17/05	10876	10875	11R11L	Nest	25	27.0	28.1	24.6	15.7	6.4	
8/17/05	10877		11R11L	Nest	25	29.6	31.7	27.5	16.7	8.3	13 marginals on right
8/17/05	10879		11R11L	Nest	76	26.5	30.7	27.7	16.9	7.6	
8/17/05	10881	10880	11R11L	Nest	76	26.9	31.7	28.3	16.1	7.6	
8/17/05	10882		11R11L	Nest	76	26.2	31.5	28.1	16.7	7.7	
8/17/05	10884	10883	11R11L	Nest	76	27.1	31.1	27.5	16.3	7.5	
8/17/05	10836	10835	11R11L	Nest	76	28.4	33.4	27.9	16.1	8.2	
8/17/05	10887		11R11L	Nest	50	26.5	32.0	27.3	17.1	7.5	
8/17/05	10889	10888	11R11L	Nest	50	29.2	31.6	28.5	17.4	7.9	11 marginals on both sides
8/17/05	10890		11R11L	Nest	50	27.7	31.7	28.6	16.7	7.3	
8/17/05	10892		11R11L	Nest	50	26.7	30.0	27.6	16.8	7.1	
8/17/05	10894	10893	11R11L	Nest	48	26.9	31.1	27.0	15.9	7.2	
8/17/05	10895		11R11L	Nest	48	26.8	32.1	27.8	16.7	7.5	
8/17/05	10899	10898	11R11L	Nest	48	26.7	31.6	27.3	15.7	7.0	
8/17/05	10900		11R11L	Nest	48	27.0	32.0	26.7	15.9	6.7	13 marginals on both sides
8/17/05	10902	10901	11R11L	Nest	48	25.9	27.1	26.1	15.8	6.4	deformed vertebrae, cannot pull head into shell
8/17/05	10903		11R11L	Nest	48	26.8	30.8	27.3	16.1	7.0	
8/17/05	10905		11R11L	Nest	48	26.2	30.6	27.9	16.2	6.9	
8/18/05	10910		11R11L	Nest	50	26.7	30.0	27.1	16.8	7.2	
8/18/05	10907	10906	11R11L	Nest	50	26.2	30.8	27.3	15.7	7.0	
8/18/05	10912	10911	11R11L	Nest	22	26.7	30.3	27.4	16.3	7.3	
8/18/05	10913		11R11L	Nest	22	28.3	31.1	28.2	16.5	7.9	anomalous V5
8/18/05	10915	10914	11R11L	Nest	22	27.5	30.5	27.4	16.2	7.5	
8/18/05	10916		11R11L	Nest	22	28.7	31.2	27.8	16.3	8.1	
8/18/05	10908		11R11L	Nest	22	26.8	30.8	27.2	16.5	7.6	
8/18/05	10918		11R11L	Nest	22	28.5	31.7	29.0	10.7	8.4	
8/18/05	10920	10919	11R11L	Nest	22	28.7	32.0	27.8	17.1	8.1	



## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
8/18/05	10921		11R11L	Nest	22	28.5	32.2	27.6	17.1	8.0	
8/18/05	10923	10922	11R11L	Nest	22	29.7	32.0	27.1	17.2	8.1	
8/18/05	10925	10924	11R11L	Nest	22	27.8	32.0	28.3	17.1	8.4	
8/18/05	10926		11R11L	Nest	76	26.2	30.8	26.7	15.8	6.8	
8/18/05	10928		11R11L	Nest	76	27.1	31.6	28.0	16.5	7.8	
8/18/05	10929		11R11L	Nest	48	26.2	30.8	26.3	15.5	6.6	
8/18/05	10931		11R11L	Nest	48	26.5	31.2	27.0	15.4	6.9	
8/18/05	10933	10932	11R11L	Nest	48	26.4	30.5	26.8	16.6	7.0	
8/19/05	10934		11R11L	Nest	265	27.5	31.5	28.7	16.6	8.1	
8/19/05	10936		11R11L	Nest	265	27.9	32.7	29.8	16.9	8.4	
8/20/05	10938	10937	11R11L	Nest	76	26.9	31.7	29.1	16.5	8.1	
8/20/05	10939		11R11L	Nest	15	25.4	28.9	26.4	15.8	6.9	
8/20/05	10941	10940	11R11L	Nest	50	28.7	31.4	27.8	16.7	7.7	
8/20/05	10942		11R11L	Nest	83	28.7	32.8	29.3	16.0	8.5	
8/22/05	10944		11R11L	Nest	95	28.2	33.3	29.1	17.1	9.1	
8/22/05	10946	10945	11R11L	Nest	95	39.3	33.6	28.3	17.2	8.9	
8/22/05	10947		11R11L	Nest	48	26.6	31.5	27.2	15.6	6.9	
8/22/05	10949		11R11L	Nest	57/158	27.3	31.3	28.1	16.1	8.0	
8/22/05	10951	10950	11R11L	Nest	57/158	28.1	30.5	27.7	16.8	7.8	anomolous V5
8/22/05	10952		11R11L	Nest	57/158	27.3	30.8	27.8	16.3	8.1	anomolous V5
8/22/05	10954	10953	11R11L	Nest	57/158	26.6	30.9	28.5	15.7	7.5	
8/22/05	10955		11R11L	Nest	57/158	28.5	32.6	28.2	16.8	8.2	
8/22/05	10957		11R11L	Nest	57/158	27.2	30.8	28.2	16.7	8.2	
8/22/05	10959	10958	11R11L	Nest	57/158	29.3	32.3	28.8	16.9	8.4	
8/22/05	10960		11R11L	Nest	57/158	27.1	31.2	28.2	17.1	8.1	
8/22/05	10962		11R11L	Nest	57/158	27.6	31.5	27.8	16.7	7.8	anomolous V5
8/22/05	10964	10963	11R11L	Nest	57/158	27.6	31.1	27.0	16.4	7.8	
8/22/05	10965		11R11L	Nest	57/158	28.5	32.3	28.7	17.1	8.2	
8/22/05	10967		11R11L	Nest	57/158	27.7	31.8	27.2	16.6	7.7	
8/22/05	10968		11R11L	Nest	57/158	29.3	32.0	28.2	16.0	8.7	
8/23/05	10970		11R11L	Nest	30	28.2	31.7	27.8	16.2	7.4	
8/23/05	10973		11R11L	Nest	30	27.9	30.6	28.5	16.3	7.4	
8/23/05	10975		11R11L	Nest	30	28.5	31.5	29.0	15.5	7.5	
8/23/05	10977	10976	11R11L	Nest	95	29.0	33.0	28.8	18.0	9.3	
8/23/05	10978		11R11L	Nest	107	25.0	30.1	26.6	16.1	6.8	
8/23/05	10980		11R11L	Nest	107	24.0	29.0	27.2	15.4	6.8	
8/23/05	10982	10981	11R11L	Nest	107	26.6	31.7	28.1	16.2	7.7	
8/23/05	10983		11R11L	Nest	107	25.2	29.9	26.4	15.5	6.8	
8/23/05	10985	10984	11R11L	Nest	107	25.8	31.2	27.6	16.3	7.7	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
8/23/05	10987	10986	11R11L	Nest	107	24.6	29.8	26.4	16.2	7.0	
8/23/05	10988		11R11L	Nest	107	25.7	29.8	26.2	16.1	7.1	
8/23/05	10990	10989	11R11L	Nest	107	26.6	31.5	27.8	16.6	7.9	
8/23/05	10991		11R11L	Nest	107	25.7	31.1	27.6	16.4	7.5	
8/23/05	10993		11R11L	Nest	107	27.0	30.6	27.2	16.6	7.5	
8/23/05	10995	10994	11R11L	Nest	107	25.1	30.7	27.1	16.2	7.3	
8/23/05	10996		11R11L	Nest	107	25.7	30.5	27.5	16.6	7.4	
8/23/05	10998		11R11L	Nest	107	26.3	30.8	27.6	16.5	7.6	
8/23/05	10999	11000	11R11L	Nest	107	24.9	30.5	27.2	16.3	7.3	
8/23/05	11001		11R11L	Nest	107	24.8	30.7	27.5	16.0	6.9	
8/23/05	10972		11R11L	Nest	95	28.1	33.3	28.6	16.9	8.7	
8/24/05	11003	11002	11R11L	Nest	30	26.9	31.4	28.3	15.9	7.0	
8/24/05	11004	11005	11R11L	Nest	95	27.9	32.2	29.1	16.3	8.3	
8/24/05	11006		11R11L	Nest	95	28.6	32.8	28.7	17.1	8.7	
8/24/05	11008	11007	11R11L	Nest	95	28.2	32.7	29.0	17.1	8.7	
8/25/05			11R11L	Nest	50						hatchling escaped
8/25/05	11010	11009	11R11L	Nest	95	27.5	32.1	28.6	16.8	8.3	
8/26/05	11013	11012	11R11L	Nest	89/148	28.4	29.5	27.5	16.7	8.0	anomalous V5
8/26/05	11011		11R11L	Nest	89/148	27.5	31.3	28.4	15.7	7.5	may have 2 tags
8/26/05	11016		11R11L	Nest	89/148	28.2	31.0	27.6	16.8	7.7	
8/26/05	11018	11017	11R11L	Nest	89/148	27.0	29.9	27.3	16.6	7.5	
8/26/05			11R11L	Nest	89/148						died right after capture, exposed yolk sac
8/26/05			11R11L	Nest	89/148						died right after capture, exposed yolk sac
8/26/05			11R11L	Nest	89/148						died right after capture, exposed yolk sac
8/27/05	11019		11R11L	Nest	58	30.0	34.2	29.2	17.9	9.5	
8/27/05	11021		11R11L	Nest	58	30.5	33.5	29.5	17.2	9.0	
8/27/05	11023		11R11L	Nest	58	30.7	34.2	30.4	16.7	9.3	
8/27/05	11026		11R11L	Nest	58	31.2	34.4	29.2	17.2	9.4	
8/27/05	11029		11R11L	Nest	35A	29.0	34.7	29.7	16.6	8.7	anomalous V5 (cell 3)
8/27/05	11032		11R11L	Nest	35A	29.2	33.5	29.1	17.0	8.6	anomalous V5
8/27/05	11034		11R11L	Nest	35A	28.2	33.2	28.2	16.9	8.5	
8/27/05	11036	11035	11R11L	Nest	35A	28.2	33.4	28.5	16.8	8.4	
8/27/05	11037		11R11L	Nest	35A	30.8	33.9	30.2	17.5	9.8	
8/27/05	11039	11038	11R11L	Nest	35A	28.3	33.8	29.8	17.1	8.5	
8/27/05	11040		11R11L	Nest	35A	28.3	31.8	28.4	16.0	7.7	
8/27/05	11042		11R11L	Nest	89/148	28.9	32.0	28.8	16.9	8.7	anomolous V5
8/27/05	11044	11043	11R11L	Nest	89/148	29.3	31.5	28.1	17.2	8.4	anomolous V5
8/27/05	11047		11R11L	Nest	89/148	28.1	30.0	27.5	17.2	8.5	anomalous V5
8/27/05	11049	11048	11R11L	Nest	89/148	27.7	31.2	27.0	16.6	8.5	tip of tail hooked, anomalous V5

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
8/27/05	11050		11R11L	Nest	114	28.7	31.9	26.8	17.6	7.7	
8/27/05	11052	11051	11R11L	Nest	114	29.0	32.6	27.6	16.6	7.8	
8/27/05	11054	11053	11R11L	Nest	114	28.2	31.6	27.6	17.2	8.2	
8/27/05	11055		11R11L	Nest	114	27.2	31.4	27.7	15.8	7.5	
8/27/05	11057	11056	11R11L	Nest	114	27.3	31.1	26.2	16.3	7.1	
8/27/05	11058		11R11L	Nest	114	27.2	31.4	26.8	16.8	7.5	
8/27/05	11060		11R11L	Nest	114	27.2	31.7	28.2	16.2	7.9	
8/27/05	11062	11061	11R11L	Nest	114	27.2	30.3	26.7	16.8	7.0	
8/27/05	11063		11R11L	Nest	114	27.8	31.8	28.4	16.7	7.8	
8/28/05			11R11L	Nest	46						died right after capture, exposed yolk sac
8/28/05	11065	11064	11R11L	Nest	58	30.5	34.4	31.2	17.3	9.5	
8/29/05	11066		11R11L	Nest	56	15.7	27.5	26.4	17.2	6.5	anomalous V(2-5), 11 marginals on both sides
8/30/05	11068		11R11L	Nest	25	28.2	30.5	25.9	10.7	7.3	anomalous V5, head start
8/30/05	11070	11069	11R11L1R	Nest	83	27.7	33.0	29.1	16.2	8.2	Head start
8/30/05	11071		11R11L1R	Nest	83	28.3	32.7	29.2	17.2	8.6	Head start
8/30/05	11073		11R11L1R	Nest	83	28.2	32.3	28.5	16.4	8.1	Head start
8/30/05	11075	11074	11R11L1R	Nest	83	29.1	33.1	30.2	16.5	8.6	Head start
8/30/05	11076		11R11L1R	Nest	83	28.2	33.5	30.0	16.5	8.7	Head start
8/30/05	11078		11R11L1R	Nest	83	27.4	33.2	30.0	16.3	8.5	Head start
8/30/05	11079		11R11L1R	Nest	83	28.3	32.7	30.1	16.5	8.3	Head start
8/30/05	11081		11R11L1R	Nest	83	28.4	33.4	29.7	17.0	8.8	Head start
8/30/05	11083	11082	11R11L1R	Nest	83	27.5	32.6	28.7	16.3	8.4	Head start
8/30/05	11084		11R11L1R	Nest	83	27.5	31.8	28.4	15.8	7.8	Head start
8/30/05	11086		11R11L	Nest	83	28.8	33.8	29.1	16.5	8.6	
8/30/05	11087		11R11L	Nest	83	26.7	31.4	29.1	16.0	7.6	
8/30/05	11089		11R11L	Nest	83	29.0	33.3	30.1	16.9	9.0	
8/30/05		11090	11R11L	Nest	83	27.2	32.1	29.1	16.5	8.2	
8/30/05		11092	11R11L	Nest	83	27.6	32.4	29.2	16.0	8.0	13 left marginals
8/30/05	11094		11R11L	Nest	83	27.8	32.2	29.0	15.8		
8/30/05	11096	11095	11R11L	Nest	15	15.8	28.1	23.6	15.0	5.7	anomalous V5
8/30/05	11097		11R11L	Nest	76	26.9	30.9	27.9	15.4	7.5	
8/30/05	11099		11R11L	Nest	76	27.3	31.3	27.9	15.8	7.3	
8/30/05	11100	11101	11R11L	Nest	76	27.4	31.2	27.6	16.3	7.3	
8/30/05	11102		11R11L	Nest	125	26.2	30.6	27.0	16.0	7.5	
8/30/05	11104		11R11L	Nest	125	26.1	29.0	25.2	15.5	6.8	
8/30/05	11105		11R11L	Nest	125	26.4	29.3	24.7	14.8	7.0	
8/30/05	11107		11R11L	Nest	125	26.2	30.0	26.4	15.7	7.2	
8/30/05	11108	11109	11R11L	Nest	125	25.7	29.7	26.2	15.6	7.2	
8/30/05	11110		11R11L	Nest	125	26.5	29.3	25.0	14.5	7.0	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

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Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
8/30/05	11112		11R11L	Nest	125	27.5	31.3	27.6	17.0	8.1	
8/30/05	11113		11R11L	Nest	125	26.5	30.0	27.0	16.1	7.0	
8/30/05	11115		11R11L	Nest	125	26.8	30.1	26.5	15.2	7.2	
8/30/05	11117		11R11L	Nest	125	27.8	30.8	26.6	15.6	7.6	
8/30/05	11118		11R11L	Nest	125	26.0	28.5	23.8	15.3	6.6	
8/30/05	11120		11R11L	Nest	125	26.7	30.2	25.7	16.1	7.3	
8/30/05	11122	11121	11R11L	Nest	125	26.7	30.5	26.2	15.5	7.4	
8/30/05	11123		11R11L	Nest	125	27.3	31.5	26.6	16.1	7.5	
8/30/05	11125		11R11L	Nest	125	25.8	29.3	25.3	15.8	6.8	
8/30/05	11126		11R11L	Nest	125	25.6	28.7	24.3	15.3	6.4	13 right marginals
8/30/05	11128		11R11L	Nest	148/89	26.7	29.6	26.1	15.0	6.6	
8/30/05	11130	11129	11R11L	Nest	148/89	28.5	31.9	28.1	16.1	8.3	
8/30/05	11131		11R11L	Nest	148/89	27.3	31.1	27.6	16.3	7.4	
8/30/05	11133		11R11L	Nest	148/89	26.4	29.8	26.6	15.3	6.8	anomolous V4, V5
8/30/05	11135	11134	11R11L	Nest	148/89	26.8	31.1	26.3	14.8	6.7	
8/30/05	11136		11R11L	Nest	148/89	28.1	31.8	29.5	11.8	8.6	
8/30/05	11138		11R11L	Nest	148/89	27.1	30.7	27.8	15.6	7.5	
8/30/05	11140	11139	11R11L	Nest	148/89	27.6	21.8	28.2	16.1	8.1	anomolous V5
8/30/05	11141		11R11L	Nest	148/89	27.8	31.1	26.4	15.9	7.3	anomolous V5
8/30/05	11143	11142	11R11L	Nest	148/89	26.8	30.5	26.1	14.8	7.4	
8/30/05	11144		11R11L	Nest	148/89	27.2	32.0	29.7	15.5	7.6	anomolous V5
8/30/05	11146		11R11L	Nest	148/89	28.0	31.1	28.0	15.6	8.1	
8/30/05	11148	11147	11R11L	Nest	148/89	27.3	30.5	27.8	15.9	7.6	
8/30/05	11149		11R11L	Nest	148/89	25.5	30.3	27.4	15.1	6.9	anomolous V5
8/30/05	11151		11R11L	Nest	148/89	26.8	32.2	26.5	15.5	7.8	
8/30/05	11153	11152	11R11L	Nest	148/89	27.0	29.9	27.3	16.5	8.0	
9/1/05	11154		11R11L	Nest	29	23.0	27.1	25.3	14.0	4.8	
9/1/05	11156	11155	11R11L2R	Nest	99	27.0	31.2	27.4	17.2	7.7	Head start
9/1/05	11157		11R11L	Nest	74	29.2	33.3	29.1	16.6	8.1	
9/2/05	11159		11R11L2R	Nest	99	27.9	30.6	28.0	16.7	7.8	anomalous V4, head start
9/2/05	11161		11R11L2R	Nest	99	27.1	31.2	28.1	16.8	8.1	Head start
9/2/05	11162		11R11L2R	Nest	99	25.8	30.7	27.8	16.4	7.6	Head start
9/2/05	11164		11R11L2R	Nest	99	27.5	31.1	27.7	16.7	7.9	Head start
9/2/05	11166		11R11L2R	Nest	99	27.4	30.8	27.1	17.2	8.1	Head start
9/2/05	11167		11R11L2R	Nest	99	26.7	30.8	26.2	17.1	7.7	Head start
9/2/05	11169	11168	11R11L2R	Nest	99	27.1	30.7	28.0	16.4	7.6	Head start
9/3/05	11170		11R11L	Nest	103	28.2	27.2	25.9	16.7	6.9	11 left marginals
9/3/05	11172		11R11L	Nest	103	28.2	28.7	26.3	17.2	7.4	11 left marginals, anomolous V3,4,5
9/3/05	11174	11173	11R11L	Nest	103	29.0	31.1	27.8	17.2	7.9	

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Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
9/3/05	11175		11R11L	Nest	103	26.3	26.7	25.2	15.7	6.9	11 right marginals, anomalous abdominal
9/3/05	11177		11R11L	Nest	103	29.1	30.2	27.1	17.4	7.9	anomalous V5
9/3/05	11178		11R11L	Nest	103	28.6	30.5	27.3	16.6	7.7	anomalous V5
9/3/05	11180		11R11L	Nest	103	27.7	30.5	26.7	15.9	7.3	
9/3/05	11206		11R11L	Nest	103	27.6	30.3	27.0	16.5	7.3	anomalous V(2-5), anomalous plastron
9/4/05	11182		11R11L	Nest	58	24.6	29.0	26.2	16.5	6.9	
9/4/05	11183		11R11L	Nest	180	29.3	31.4	28.4	17.1	8.9	white right eye, 11 right marginals
9/4/05	11185		11R11L	Nest	180	27.7	30.8	27.4	16.7	7.9	
9/4/05	11187		11R11L	Nest	180	28.3	31.6	28.3	16.3	8.5	
9/4/05	11188		11R11L	Nest	180	27.0	31.3	27.9	16.7	7.8	
9/4/05	11190		11R11L	Nest	180	28.3	31.1	28.0	16.3	8.2	
9/4/05	11192	11191	11R11L	Nest	180	27.8	31.6	28.7	17.2	8.7	anomalous V5
9/4/05	11193		11R11L	Nest	180	27.5	32.5	29.0	17.3	9.0	
9/4/05	11195	11194	11R11L	Nest	180	26.2	29.5	25.5	16.5	6.7	
9/4/05	11196		11R11L	Nest	180	24.5	28.7	25.2	16.2	6.4	
9/4/05	11198		11R11L	Nest	180	27.9	31.5	27.6	17.0	8.4	
9/4/05	11200	11199	11R11L	Nest	180	27.5	31.1	28.0	16.3	8.3	
9/4/05	11201		11R11L	Nest	180	28.7	32.5	28.6	17.2	8.8	anomalous V5
9/4/05	11203		11R11L	Nest	180	27.6	31.7	28.5	17.0	8.4	
9/4/05	11205		11R11L	Nest	180	26.5	30.2	27.7	16.2	7.4	
9/4/05	11208	11207	11R11L	Nest	180	30.5	34.6	30.8	17.5	9.5	missing 5th vertebral
9/5/05	11209		11R11L	Nest	162	28.9	31.8	29.4	17.1	8.6	
9/5/05	11211		11R11L	Nest	162	28.7	31.3	28.5	17.6	8.2	
9/5/05	11213	11212	11R11L	Nest	162	26.7	30.3	26.9	17.6	7.6	5 costals on both sides
9/5/05	11214		11R11L	Nest	162	28.2	31.0	27.7	17.3	8.1	5 costals on both sides, anomalous V5
9/5/05	11216		11R11L	Nest	162	28.4	31.9	28.9	17.6	8.1	
9/5/05	11218	11217	11R11L	Nest	162	29.1	33.2	29.4	17.4	9.0	
9/5/05	11219		11R11L3R	Nest	141	27.8	31.4	27.7	16.2	7.8	Head start
9/5/05	11221		11R11L3R	Nest	141	29.4	32.8	28.5	17.3	9.1	Head start
9/5/05	11222		11R11L3R	Nest	141	28.9	32.1	29.1	16.9	8.5	Head start
9/5/05	11224		11R11L3R	Nest	141	27.5	30.1	27.5	16.6	7.6	Head start
9/5/05	11226	11225	11R11L3R	Nest	141	27.7	30.5	27.5	16.2	7.5	Head start
9/5/05	11227		11R11L3R	Nest	141	29.8	32.2	28.6	16.7	8.6	Head start
9/5/05	11229	11228	11R11L3R	Nest	141	27.3	30.7	27.8	16.7	8.0	Head start
9/5/05	11230	11231	11R11L3R	Nest	141	29.6	32.1	29.1	16.8	8.7	Head start
9/5/05	11232		11R11L3R	Nest	141	27.9	31.8	28.0	17.0	7.9	Head start
9/5/05	11234	11233	11R11L8R	Nest	86	28.2	32.0	28.2	17.2	8.3	Head start
9/5/05	11235		11R11L8R	Nest	86	28.7	32.1	28.8	17.1	8.7	Head start/anomalous V5
9/5/05	11237		11R11L8R	Nest	86	27.7	31.6	29.2	16.8	8.5	Head start

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Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
9/5/05	11239	11238	11R11L8R	Nest	86	27.8	32.4	27.7	16.8	8.1	Head start
9/5/05	11240		11R11L8R	Nest	86	29.0	31.7	28.6	17.0	8.1	Head start
9/5/05	11242	11241	11R11L8R	Nest	86	27.9	32.5	29.5	17.6	8.4	Head start
9/5/05	11243	11244	11R11L8R	Nest	86	27.2	31.3	28.9	16.8	8.2	Head start, 13 right marginals, anomalous V5
9/5/05	11245		11R11L8R	Nest	86	28.0	31.9	27.9	16.9	8.3	Head start, 13 right marginals
9/5/05	11247	11246	11R11L8R	Nest	86	26.8	31.9	29.3	16.6	8.1	Head start, anomalous V5
9/5/05	11248		11R11L8R	Nest	86	27.7	31.2	28.6	15.8	7.5	Head start
9/5/05	11250		11R11L	Nest	86	27.6	31.9	29.0	16.7	8.0	
9/6/05	11252	11251	11R11L	Nest	162	27.0	30.9	28.3	18.5	8.2	
9/6/05	11253		11R11L3R	Nest	141	29.5	31.7	27.8	16.6	8.7	Head start, anomalous V5
9/7/05	11255		11R11L	Nest	36	25.8	27.4	27.4	14.6	6.2	South notch, 6 right costals
9/7/05	11256		11R11L	Nest	36	25.7	30.6	26.9	15.4	6.2	anomalous V5
9/7/05	11258		11R11L	Nest	36	27.3	31.2	27.7	15.7	6.8	
9/7/05	11260	11259	11R11L	Nest	36	27.0	30.4	26.3	15.4	6.2	
9/7/05	11261		11R11L	Nest	36	26.5	30.5	27.6	15.7	6.5	
9/7/05	11263		11R11L	Nest	36	26.7	30.7	26.8	15.9	6.3	
9/7/05	11265	11264	11R11L	Nest	36	27.5	32.1	27.7	15.8	6.9	13 right marginals, anomalous V5
9/7/05	11268		11R11L	Nest	36	28.7	31.9	28.1	15.7	7.2	
9/7/05	11270	11269	11R11L	Nest	36	27.2	28.8	28.1	16.0	6.5	anomalous V5
9/7/05	11271		11R11L	Nest	36	26.2	31.1	27.2	16.0	6.4	
9/7/05	11273	11272	11R11L	Nest	36	27.7	32.0	28.9	15.8	6.9	13 marginals on both sides, anomalous vertebrae
9/7/05	11274		11R11L	Nest	36	28.5	31.5	27.0	15.7	6.5	5 costals both sides, anomalous V5
9/9/05	11276		11R11L	Nest	203	27.1	30.9	27.8	17.2	7.9	anomalous plastron
9/9/05	11278	11277	11R11L	Nest	203	28.1	31.0	27.7	16.6	7.9	anomalous V(1-4)
9/9/05	11279		11R11L	Nest	203	27.2	30.6	27.1	17.2	7.7	5 right costals
9/9/05	11281	11280	11R11L	Nest	203	27.4	32.1	28.4	17.5	8.5	5 left costals, 6 right costals, anomalous V4
9/9/05	11283	11282	11R11L	Nest	203	25.6	30.6	27.6	17.1	7.5	
9/9/05	11284		11R11L	Nest	203	25.3	29.2	24.9	15.6	6.0	5 right costals
9/9/05	11286	11285	11R11L	Nest	203	26.2	31.0	28.0	17.3	7.9	
9/10/05	11287		11R11L9R	Nest	243	26.4	29.1	25.9	16.2	6.7	Head start, anomalous V5
9/10/05	11289		11R11L9R	Nest	243	26.1	29.9	26.3	16.2	6.9	Head start, anomalous V5
9/10/05	11291	11290	11R11L9R	Nest	243	28.5	31.4	27.7	16.7	8.0	Head start
9/10/05	11294		11R11L9R	Nest	243	22.5	26.8	24.5	14.8	4.9	Head start
9/10/05	11295		11R11L9R	Nest	243	25.7	29.7	25.7	15.3	6.3	Head start
9/10/05	11296		11R11L9R	Nest	243	26.2	29.6	26.3	16.3	6.8	Head start, anomalous V5, 13 marginals on both sides
9/10/05	11297		11R11L	Nest	153	29.0	31.4	29.0	16.8	8.1	
9/10/05	11299		11R11L	Nest	153	32.0	34.7	30.5	16.7	9.0	
9/10/05	11300		11R11L	Nest	153	31.6	34.0	30.4	16.8	8.9	anomalous V5
9/10/05	11302		11R11L	Nest	153	29.7	33.0	28.5	16.5	8.3	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

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Date of		Notch		Method of	Nest	Plastron	Carapace				Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
9/10/05	11304		11R11L	Nest	153	30.7	34.2	30.5	16.5	8.9	
9/10/05	11305		11R11L	Nest	153	32.5	35.3	31.3	17.8	10.0	
9/10/05	11307		11R11L	Nest	189	28.0	29.2	28.2	16.4	7.7	beaked tail, anomalous V2 and V3, 11 marginals on both sides
9/10/05	11309	11308	11R11L	Nest	189	28.8	30.6	27.8	16.6	8.2	anomalous V4 and V5, 6 left costals
9/10/05	11310		11R11L	Nest	189	28.9	31.2	28.7	16.6	8.2	
9/10/05	11312		11R11L	Nest	189	26.4	29.7	27.7	15.8	6.9	
9/10/05	11313	11314	11R11L	Nest	189	28.7	31.2	27.8	16.4	7.9	
9/10/05	11315		11R11L	Nest	189	28.5	31.0	28.1	16.4	8.1	13 left marginals, 3 right costals, anomalous V5
9/10/05	11317	11316	11R11L	Nest	189	27.4	31.8	28.6	16.8	8.5	
9/10/05	11318		11R11L	Nest	189	27.1	27.7	27.0	16.2	6.9	anomalous V(3-5)
9/10/05	11320		11R11L	Nest	189	27.4	29.8	27.1	16.1	7.3	
9/10/05	11322	11321	11R11L	Nest	189	28.2	30.6	27.7	16.6	7.8	
9/10/05	11323		11R11L	Nest	189	27.6	30.3	28.2	17.1	7.9	
9/10/05	11325		11R11L	Nest	189	28.1	29.0	26.8	16.2	7.3	anomalous abdominal
9/11/05	11326		11R11L	Nest	182	27.5	32.4	28.2	17.1	7.6	anomalous abdominal, extra right costals
9/11/05	11328		11R11L	Nest	182	27.4	31.6	27.7	17.0	7.7	
9/11/05	11330		11R11L	Nest	182	29.5	33.3	29.8	18.2	9.9	anomalous V5 (small), anomalous abdominal
9/11/05	11332		11R11L	Nest	182	31.5	34.7	30.4	18.7	10.5	anomalous V4-V5
9/11/05	11333		11R11L	Nest	182	30.5	33.4	29.8	18.1	9.9	small V5
9/11/05	11335	11334	11R11L	Nest	182	30.0	34.7	30.6	18.5	10.2	anomalous V5 and extra costals on both sides
9/11/05	11336		11R11L	Nest	182	30.6	34.6	30.6	18.3	10.0	6 costals on left side
9/11/05	11338		11R11L	Nest	238	24.8	27.7	24.9	15.0	5.2	
9/12/05	11341		11R11L	Nest	181	30.4	33.3	29.2	17.4	9.3	
9/12/05	11343		11R11L	Nest	181	30.1	33.5	30.0	17.1	9.0	
9/12/05	11345	11344	11R11L	Nest	181	30.0	33.8	29.9	16.5	9.1	
9/12/05	11346		11R11L	Nest	181	30.9	33.9	30.2	17.3	9.4	
9/12/05	11348	11347	11R11L	Nest	181	30.2	33.0	29.2	17.3	8.7	
9/12/05	11349		11R11L	Nest	181	29.6	32.8	29.7	16.6	8.5	
9/12/05	11351		11R11L	Nest	181	30.0	33.1	29.9	17.4	9.0	anomalous V5
9/12/05	11352		11R11L	Nest	181	30.7	34.2	28.7	17.6	9.3	
9/12/05	11354		11R11L	Nest	181	30.7	33.2	30.2	16.8	9.1	
9/12/05	11356		11R11L	Nest	181	31.0	33.0	30.2	17.0	9.2	
9/12/05	11358	11357	11R11L	Nest	181	29.8	33.2	29.6	16.4	8.8	
9/12/05	11359		11R11L	Nest	181	28.8	32.2	29.0	16.7	8.1	
9/12/05	11361	11360	11R11L	Nest	181	29.6	33.2	39.7	17.6	9.0	
9/12/05	11363	11362	11R11L	Nest	181	30.5	34.0	29.2	17.6	9.6	
9/12/05	11364		11R11L	Nest	181	29.0	33.1	30.1	16.6	9.0	anomalous V5
9/13/05	11366	11365	11R11L	Nest	229	27.3	29.4	26.0	15.8	7.5	13 right marginals, anomalous V5
9/13/05	11367		11R11L	Nest	229	27.5	29.3	25.7	16.3	6.9	anomalous V5

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Date of		Notch	Method of	Nest	Plastron	Carapace					Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
9/13/05	11369		11R11L	Nest	229	24.0	24.7	22.5	13.8	4.2	13 right marginals, anomalous V5, 3 right costals
9/13/05	11371	11370	11R11L	Nest	229	25.2	27.2	25.2	15.7	5.6	
9/13/05	11372		11R11L	Nest	229	27.5	29.4	26.8	16.1	7.4	6 vertebrals, 5 right marginals
9/13/05	11374		11R11L	Nest	229	24.5	26.2	23.8	14.1	5.0	13 marginals on both sides, anomalous vertebrals
9/13/05	11376	11375	11R11L	Nest	229	26.3	27.4	25.0	14.8	5.7	anomalous V5
9/13/05	11377		11R11L	Nest	229	25.3	27.5	25.2	15.3	6.2	11 left marginals, anomalous V5
9/13/05	11379	11378	11R11L	Nest	228	24.0	28.0	25.3	15.7	5.9	13 right marginals, anomalous V4-V5, extra costals
9/13/05	11381	11380	11R11L	Nest	228	24.1	27.0	23.9	15.3	5.2	13 left marginals, anomalous V5
9/13/05	11382		11R11L	Nest	228	25.2	28.7	25.7	15.7	5.8	13 marginals both sides, anomalous V(3-5), extra costals
9/13/05	11384	11383	11R11L	Nest	228	24.4	28.1	26.0	14.8	5.4	anomalous V3 and V5, 13 marginals both sides, 5 right costals
9/13/05	11385		11R11L9R	Nest	243	22.7	26.7	24.0	15.2	4.9	head start, anomalous V5
9/13/05	11387		11R11L9R	Nest	243	23.1	27.6	25.9	15.2	5.2	Head start, 13 right marginals, anomalous V5
9/13/05	11389	11388	11R11L	Nest	234	26.5	29.1	26.6	16.8	7.1	
9/13/05	11390		11R11L	Nest	234	27.5	30.8	27.4	17.2	7.2	anomalous V5
9/13/05	11392	11391	11R11L	Nest	228	25.2	28.4	25.7	16.7	7.2	8 vertebrals, 13 marginals both sides
9/14/05	11395		11R11L	Nest	236	29.4	31.8	29.2	17.1	8.8	anomalous V4-V5
9/14/05	11397	11396	11R11L	Nest	236	28.0	30.9	27.0	16.4	7.8	13 marginals both sides
9/14/05	11398		11R11L	Nest	236	28.7	31.8	28.5	16.7	8.4	anomalous V5
9/14/05	11400		11R11L	Nest	236	29.1	31.3	27.7	17.2	8.5	anomalous V2-V5
9/14/05	11394	11393	11R11L	Nest	236	28.6	31.5	27.6	17.7	8.6	13 marginals on both sides, anomalous V5
9/14/05	11402	11401	11R11L	Nest	228	24.5	28.1	25.3	16.2	6.5	13 marginals both sides, anomalous V2,V4,V5, extra marginals
9/14/05	11403		11R11L	Nest	234	24.6	25.3	23.8	14.7	4.8	anomalous V3
9/14/05	11405		11R11L	Nest	234	25.3	27.7	26.0	15.8	6.4	11 right marginals, anomalous V2-V5
9/14/05	11407	11406	11R11L	Nest	234	28.9	31.9	28.6	16.7	8.6	
9/14/05	11408		11R11L	Nest	234	23.9	26.7	23.0	14.4	4.9	13 left marginals, anomalous V2-V5
9/14/05	11410	11409	11R11L	Nest	234	25.3	29.2	26.3	16.1	6.8	anomalous V5
9/14/05	11412	11411	11R11L	Nest	238	29.6	32.8	29.1	17.3	9.0	
9/14/05	11413		11R11L	Nest	202	28.0	30.6	28.1	18.0	9.4	anomalous V5 , anomalous plastron
9/14/05	11415	11414	11R11L	Nest	202	30.5	33.6	30.4	18.1	10.0	anomalous V5, extra left costals
9/14/05	11416		11R11L	Nest	202	28.0	30.3	27.3	17.3	8.1	anomalous V5
9/14/05	11418		11R11L	Nest	202	27.3	28.9	26.9	17.0	7.6	curly tail
9/14/05	11419	11420	11R11L	Nest	202	29.5	31.1	27.6	16.7	8.2	anomalous V5
9/14/05			11R11L	Nest	202	23.0	24.1	23.2	14.5	5.6	died in lab, 13 left marginals, anomalous V5
9/14/05	11421		11R11L1L	Nest	222	25.9	30.2	28.2	15.5	6.9	head start
9/14/05	11423	11422	11R11L1L	Nest	222	27.3	30.5	28.0	15.3	7.5	head start, anomalous V4,5
9/14/05	11425	11424	11R11L1L	Nest	222	24.5	30.2	27.7	16.0	7.0	head start
9/14/05	11426		11R11L1L	Nest	222	25.7	30.2	26.9	15.3	7.0	head start
9/14/05	11428	11427	11R11L1L	Nest	222	27.4	31.5	28.3	16.3	7.8	head start, anomalous V5, extra left costal
9/14/05	11429		11R11L1L	Nest	222	27.7	31.7	28.5	16.6	7.8	head start



## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch	Method of	Nest	Plastron	Carapace					
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
9/14/05	11431		11R11L1L	Nest	222	23.7	27.5	26.0	14.9	5.6	head start, anomalous V5
9/14/05	11433	11432	11R11L1L	Nest	222	26.9	31.4	29.5	16.2	7.6	head start
9/11/05			11R11L	Nest	243	25.4	29.2	26.0	15.4	6.0	dead in ring, anomalous V5
9/13/05			11R11L	Nest	228	24.6	29.8	26.0	16.5	7.0	dead in ring, 13 right marginals, anomalous V5
9/13/05			11R11L	Nest	228	23.9	27.5	24.6	16.3	5.4	dead in ring, 13 marginals both sides, anomalous V5
9/13/05			11R11L	Nest	228	23.3	26.0	22.8	16.3	5.6	dead in ring, anomalous V2-V5
9/15/05	11434		11R11L	Nest	202	28.8	31.8	28.9	17.5	8.3	anomalous V4,V5
9/15/05	11436		11R11L	Nest	184	26.7	29.7	28.9	17.7	7.4	extra left costal
9/15/05	11437		11R11L	Nest	184	26.1	29.5	27.2	17.7	7.1	
9/15/05	11439		11R11L2L	Nest	100	27.0	30.7	26.3	15.5	6.1	head start
9/15/05	11440	11441	11R11L2L	Nest	100	28.6	32.2	29.1	16.2	7.6	head start
9/15/05	11442		11R11L2L	Nest	100	29.0	31.9	28.7	16.6	7.6	head start
9/15/05	11444		11R11L2L	Nest	100	26.5	30.6	27.0	15.6	6.2	head start
9/15/05	11445	11445	11R11L2L	Nest	100	27.6	32.2	29.4	16.7	8.0	head start
9/15/05	11447		11R11L2L	Nest	100	27.5	31.0	27.5	16.5	7.1	head start
9/15/05	11449		11R11L2L	Nest	100	27.1	31.3	28.1	16.6	7.0	head start, anomalous V4,V5
9/16/05	11450		11R11L	Nest	255	27.6	30.0	27.4	16.2	7.3	
9/16/05			11R11L	Nest	206	20.9	23.4	20.2		6.1	embriotic sac hanging out
9/16/05	11452		11R11L3L	Nest	206	26.6	30.1	27.7	16.0	7.2	head start, anomalous V3,V4,V5
9/16/05	11454		11R11L3L	Nest	206	26.6	28.1	26.1	16.3	6.9	head start, anomalous V2,V4,V5
9/16/05	11455		11R11L3L	Nest	206	28.2	31.9	28.0	17.1	7.9	head start
9/16/05	11457		11R11L3L	Nest	206	27.3	30.4	26.8	16.3	7.1	head start, anomalous V5
9/16/05	11459	11458	11R11L3L	Nest	206	27.2	29.5	27.3	16.2	7.2	head start, anomalous V5
9/16/05	11460		11R11L	Nest	238	29.4	31.5	28.7	16.9	7.6	
9/16/05	11462	11461	11R11L	Nest	238	28.2	30.6	28.0	16.5	7.8	anomalous V5
9/16/05	11463	11464	11R11L	Nest	238	25.4	28.2	25.0	16.1	6.1	13 right marginals, anomalous V5
9/16/05	11467	11466	11R11L	Nest	238	27.9	31.5	28.5	17.3	8.2	13 marginals both sides, anomalous V5
9/16/05	11468		11R11L	Nest	196	28.2	31.7	30.3	17.1	8.2	
9/16/05	11469		11R11L	Nest	196	29.6	32.4	29.0	17.2	9.2	anomalous V5
9/16/05	11470		11R11L	Nest	196	27.8	30.3	29.8	17.4	8.0	
9/16/05	11472	11471	11R11L	Nest	196	27.8	32.2	29.2	17.0	7.9	
9/16/05	11473		11R11L	Nest	196	29.2	32.6	30.6	16.6	8.8	anomalous V4-V5
9/16/05	11475		11R11L	Nest	196	27.3	31.1	28.9	16.3	7.3	anomalous left femoral
9/16/05	11476		11R11L	Nest	196	27.0	28.8	26.0	16.3	6.7	
9/16/05	11478		11R11L	Nest	231	28.7	30.0	27.9	16.3	7.8	
9/16/05	11480	11479	11R11L	Nest	231	27.8	28.7	26.7	16.3	6.6	13 marginals both sides, anomalous V4-V5
9/16/05	11482		11R11L	Nest	231	28.2	29.5	26.6	16.8	7.4	13 right marginals
9/16/05	11483		11R11L	Nest	231	28.2	29.8	27.3	16.2	7.0	13 right marginals, anomalous V5
9/16/05			11R11L	Nest	231	26.5	29.4	27.1	16.0	6.8	anomalous V4-V5

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch	Method of	Nest	Plastron	Carapace					
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
9/16/05	11484	11485	11R11L	Nest	231	26.5	27.1	25.5	16.4	6.4	
9/16/05	11486		11R11L	Nest	231	26.3	29.4	26.9	15.9	6.7	
9/16/05	11488		11R11L	Nest	231	27.0	28.3	25.6	15.7	6.2	anomalous V4-V5
9/16/05	11490	11489	11R11L	Nest	231	26.4	28.2	26.1	15.3	6.2	13 marginals both sides, anomalous V4-V5
9/16/05	11491		11R11L	Nest	231	28.6	30.5	26.9	17.0	7.8	
9/16/05	11493		11R11L	Nest	231	28.4	30.0	27.1	16.2	7.7	anomalous V5
9/16/05	11495	11494	11R11L	Nest	231	27.5	29.3	26.9	15.6	6.5	anomalous V5
9/16/05	11496		11R11L	Nest	231	28.9	31.0	27.0	17.2	7.6	13 marginals both sides
9/16/05	11498	11497	11R11L	Nest	231	28.7	30.1	27.3	16.3	7.3	anomalous V5
9/16/05	11499		11R11L8L	Nest	174	30.5	33.1	29.1	17.6	8.7	head start, anomalous V5
9/16/05	11501		11R11L8L	Nest	174	30.3	30.7	29.5	17.8	8.4	head start, anomalous V5
9/16/05	11503	11502	11R11L8L	Nest	174	28.1	31.2	27.7	16.5	7.1	head start
9/16/05	11504		11R11L8L	Nest	174	29.6	33.4	29.0	17.2	8.7	head start
9/16/05	11506		11R11L8L	Nest	174	29.2	30.9	27.0	16.3	7.0	head start
9/16/05	11508	11507	11R11L8L	Nest	174	27.8	30.0	27.0	15.9	6.5	head start, anomalous V5
9/16/05	11509		11R11L8L	Nest	174	28.9	31.6	27.4	17.0	7.4	head start, anomalous V4
9/16/05	11511	11510	11R11L8L	Nest	174	30.3	32.5	29.6	17.3	8.7	head start, 5 costals both sides
9/16/05	11512		11R11L8L	Nest	174	30.5	33.2	28.7	17.6	8.8	head start, anomalous V5
9/16/05	11514		11R11L8L	Nest	174	29.5	32.0	29.0	16.6	8.0	head start, anomalous V5
9/16/05	11516	11515	11R11L9L	Nest	77	28.2	31.8	27.9	17.5	8.1	head start
9/16/05	11517		11R11L9L	Nest	77	30.2	32.4	26.5	16.8	7.9	head start
9/16/05	11519		11R11L9L	Nest	77	28.8	32.5	28.5	17.0	7.8	head start
9/16/05	11521	11520	11R11L9L	Nest	77	30.0	32.8	28.1	17.5	8.4	head start
9/16/05	11522		11R11L9L	Nest	77	29.2	33.2	27.6	17.1	8.6	head start
9/16/05	11524	11523	11R11L9L	Nest	77	30.0	33.9	29.5	17.2	8.8	head start
9/16/05	11525	11526	11R11L9L	Nest	77	29.1	33.1	28.4	16.6	7.6	head start, anomalous V5
9/16/05	11527		11R11L9L	Nest	77	27.8	30.6	26.5	17.0	7.3	head start
9/16/05	11529	11528	11R11L9L	Nest	77	29.1	31.4	27.3	16.3	7.4	head start, curled tail
9/16/05	11530		11R11L9L	Nest	77	29.8	33.1	28.8	17.3	8.4	head start
9/16/05	11532		11R11L10L	Nest	104	27.7	30.2	26.8	15.3	6.6	head start
9/16/05	11534	11533	11R11L10L	Nest	104	27.3	31.2	28.2	16.2	7.1	head start
9/16/05	11535		11R11L10L	Nest	104	24.9	28.2	25.1	14.7	5.2	head start
9/16/05	11537		11R11L10L	Nest	104	26.9	29.6	26.0	15.2	6.4	head start
9/16/05	11538		11R11L10L	Nest	104	26.2	29.7	26.6	15.7	6.1	head start
9/16/05	11540		11R11L10L	Nest	104	26.0	30.5	27.4	15.5	6.4	head start
9/16/05	11542	11541	11R11L10L	Nest	104	27.1	30.1	26.2	16.0	6.4	head start
9/16/05	11543		11R11L10L	Nest	104	26.0	29.0	26.6	15.3	5.8	head start, anomalous V5, 5 right costals
9/16/05	11545		11R11L10L	Nest	104	26.5	30.2	26.5	16.0	6.1	head start
9/16/05	11546		11R11L10L	Nest	104	26.7	30.6	27.7	16.0	6.7	head start

## Appendix 2. PIERP 2005 Terrapin Hatchlings

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Date of Emergence	ID1	ID2	Notch ID	Method of Capture	Nest Number	Plastron Length	Carapace Length	Width	Height	Mass	Comments
9/16/05	11548		11R11L	Nest	104	27.3	30.6	27.1	16.3	6.7	
9/16/05	11550	11549	11R11L	Nest	104	26.7	30.1	27.5	27.6	6.5	anomalous V5, anomalous right costals
9/16/05	11551		11R11L	Nest	104	26.4	29.3	25.3	16.0	5.8	
9/16/05	11553		11R11L	Nest	104	27.5	30.5	27.6	16.1	6.8	extra marginals
9/16/05	11555	11554	11R11L	Nest	104	26.4	29.8	26.7	15.7	6.3	
9/16/05	11556		11R11L	Nest	104	27.3	30.1	27.0	15.7	6.6	
9/16/05	11558		11R11L	Nest	104	27.9	30.8	27.2	16.1	6.6	anomalous V4
9/16/05	11559		11R11L	Nest	104	26.7	30.4	26.8	15.8	6.5	
9/17/05	11561		11R11L10R	Nest	144	28.6	32.0	28.3	17.5	8.2	
9/17/05	11563	11562	11R11L10R10	Nest	144	28.7	33.8	30.0	16.7	8.5	anomalous V5
9/17/05	11564		11R11L10R	Nest	144	28.6	32.4	29.5	17.1	8.6	head start
9/17/05	11566		11R11L10R	Nest	144	30.2	33.8	39.7	17.7	9.0	head start
9/17/05	11568	11567	11R11L10R	Nest	144	28.9	32.9	28.9	17.4	8.6	head start
9/17/05	11569		11R11L10R	Nest	144	27.8	32.5	28.8	17.0	7.8	head start
9/17/05	11571		11R11L10R	Nest	144	27.7	31.8	29.5	16.6	7.9	head start, anomalous V5
9/17/05	11572		11R11L10R	Nest	144	28.6	33.4	29.9	16.7	8.7	head start, anomalous V5
9/17/05	11574		11R11L10R	Nest	144	27.9	32.1	29.6	17.2	8.4	head start, anomalous V5
9/17/05	11576	11575	11R11L10R	Nest	144	28.7	32.3	29.3	16.8	8.2	head start
9/17/05	11577		11R11L	Nest	144	29.0	32.7	29.2	17.0	8.7	
9/17/05	11579		11R11L	Nest	144	28.5	33.2	29.5	16.7	8.4	anomalous V5
9/17/05	11581	11580	11R11L	Nest	250	29.4	29.3	25.7	16.1	6.7	
9/17/05	11582		11R11L	Nest	250	27.9	21.6	27.2	17.0	7.8	
9/17/05	11584		11R11L	Nest	250	27.1	30.2	27.6	16.7	7.5	11 marginals both sides, white spot on right eye
9/17/05	11586	11585	11R11L	Nest	250	28.7	31.0	27.8	16.1	8.2	13 left marginals, anomalous V4-V5
9/17/05	11587		11R11L	Nest	250	26.4	29.1	26.5	16.5	6.8	
9/17/05	11589	11588	11R11L	Nest	250	24.2	28.2	25.6	15.2	5.9	
9/17/05	11590		11R11L	Nest	250	27.3	30.0	26.7	16.2	7.7	11 left marginals, anomalous V1, V5
9/17/05	11592		11R11L	Nest	199	27.6	28.8	26.2	17.8	7.9	
9/17/05	11594	11593	11R11L	Nest	199	27.1	30.1	26.2	17.5	7.6	anomalous V5
9/17/05	11595		11R11L	Nest	199	27.1	30.0	28.8	17.1	8.1	
9/17/05	11597		11R11L	Nest	199	29.1	29.3	26.7	16.1	7.4	
9/17/05	11599	11598	11R11L	Nest	199	28.5	31.3	28.3	17.2	8.3	
9/17/05	11600		11R11L	Nest	199	28.2	30.3	27.5	17.6	7.9	
9/17/05	11602	11601	11R11L	Nest	199	27.1	30.1	28.3	16.8	7.7	11 left marginals
9/17/05	11603		11R11L	Nest	199	28.2	29.8	28.3	16.7	8.0	11 left marginals
9/18/05	11605		11R11L	Nest	203	27.9	33.0	28.7	17.6	8.5	
9/18/05	11607	11606	11R11L	Nest	144	27.5	30.6	27.3	16.8	7.5	extremely small V5
9/18/05	11608		11R11L	Nest	249	23.4	27.6	24.9	14.8	5.2	13 right marginals, anomalous V3, V5
9/18/05	11610		11R11L	Nest	249	24.0	27.7	24.2	15.2	5.6	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

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Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
9/18/05	11611	11612	11R11L	Nest	249	27.0	30.6	26.3	16.0	6.7	
9/18/05	11613		11R11L	Nest	249	21.3	25.7	22.8	14.5	4.4	13 marginals both sides, anomalous V5
9/18/05	11615	11614	11R11L	Nest	249	26.8	31.2	28.0	16.1	7.2	anomalous V5
9/18/05	11616		11R11L	Nest	249	25.1	29.7	27.3	15.4	6.7	
9/18/05	11618		11R11L	Nest	249	23.5	27.5	24.5	14.1	5.1	13 marginals both sides
9/18/05	11619	11620	11R11L	Nest	249	23.4	25.5	23.4	15.2	4.9	13 right marginals
9/18/05	11623	11622	11R11L	Nest	249	21.5	25.4	23.0	14.0	4.3	
9/18/05	11624	11625	11R11L	Nest	249	25.5	29.3	27.2	16.2	7.0	
9/18/05	11626		11R11L	Nest	249	22.8	25.7	23.0	13.9	4.3	13 right marginals, anomalous V1-V3
9/18/05	11628	11627	11R11L	Nest	212	28.3	30.6	29.6	18.9	9.1	anomalous V4,V5
9/18/05	11629		11R11L	Nest	212	30.4	31.3	29.2	18.0	10.5	13 left marginals
9/18/05	11631		11R11L	Nest	212	30.3	33.0	29.8	18.2	8.9	anomalous V5, extra costals both sides
9/18/05	11633	11632	11R11L	Nest	212	30.1	32.8	30.6	18.3	9.5	anomalous V1, V5
9/18/05	11634		11R11L	Nest	212	27.2	28.3	26.8	17.5	7.7	anomalous V1, V5
9/18/05	11636		11R11L	Nest	212	29.2	31.6	29.8	18.0	9.2	anomalous V5, extra costals both sides
9/18/05	11638	11637	11R11L	Nest	212	28.3	32.5	30.7	18.1	9.0	anomalous V5
9/18/05	11639		11R11L	Nest	212	29.1	30.7	28.7	17.6	8.3	anomalous V5
9/18/05	11641	11640	11R11L	Nest	212	29.0	30.0	29.8	17.3	8.6	anomalous V1, V5
9/18/05	11342		11R11L	Nest	212	29.1	33.0	30.7	18.3	9.4	
9/18/05	11644		11R11L	Nest	212	28.1	29.0	26.5	18.6	8.6	13 left marginals, anomalous V5
9/18/05	11645	11646	11R11L	Nest	83	26.2	29.4	26.6	15.2	6.5	anomalous V5
9/18/05	11647		11R11L	Nest	83	25.3	29.2	26.0	15.6	6.1	13 right marginals
9/18/05	11649		11R11L	Nest	83	25.7	29.4	26.7	16.3	6.8	
9/18/05	11651	11650	11R11L	Nest	83	26.4	31.0	26.8	16.2	7.0	
9/18/05			11R11L	Nest	85	23.6	27.5	24.9	15.4	5.0	dead in ring
9/18/05			11R11L	Nest	85	22.1	26.5	24.3	14.8	5.1	dead in ring
9/18/05			11R11L	Nest	85	23.9	26.4	23.2	15.4	5.1	died in lab
9/18/05			11R11L	Nest	85	23.2	27.2	22.6	15.3	4.9	dead in ring
9/18/05	11652		11R11L	Nest	85	25.3	29.2	25.2	16.0	6.2	
9/18/05	11653	11654	11R11L	Nest	85	23.9					
9/18/05	11655		11R11L	Nest	85	25.8	29.4	25.5	16.1	6.5	anomalous V5
9/18/05	11657		11R11L	Nest	85	25.3	29.1	25.6	15.5	6.5	
9/18/05	11659	11658	11R11L	Nest	85	27.0	29.6	24.3	17.0	7.1	
9/18/05	11660		11R11L	Nest	85	26.5	30.0	25.7	16.2	7.0	
9/18/05	11662		11R11L	Nest	250	25.8	30.0	28.0	15.8	6.9	anomalous V5
9/18/05	11664	11663	11R11L	Nest	102	28.3	32.8	28.6	16.3	8.0	
9/18/05	11665		11R11L	Nest	102	27.5	31.9	27.7	16.8	7.6	
9/18/05	11667	11666	11R11L	Nest	102	29.2	33.0	28.8	16.6	7.8	
9/20/05	11668	11669	11R11L	Nest	159	24.8	28.2	23.6	16.2	5.5	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

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Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
9/20/05	11670		11R11L	Nest	159	26.3	28.7	25.0	16.6	5.8	anomalous V5
9/20/05	11672	11671	11R11L	Nest	173	26.2	31.8	28.0	17.3	7.5	
9/20/05	11673		11R11L	Nest	173	27.5	32.1	29.3	16.9	7.7	
9/20/05	11675		11R11L	Nest	173	28.4	32.4	28.7	16.7	7.9	
9/20/05	11677	11676	11R11L	Nest	173	27.3	31.9	28.3	16.7	7.5	
9/20/05	11678		11R11L	Nest	173	26.3	30.3	28.4	17.1	7.5	
9/20/05	11680		11R11L	Nest	173	28.9	32.5	29.0	17.1	8.3	
9/20/05	11681	11682	11R11L	Nest	173	27.9	32.9	29.1	16.9	8.2	
9/20/05	11683		11R11L	Nest	173	28.1	31.8	28.6	16.7	7.7	
9/20/05	11685	11684	11R11L	Nest	173	27.2	31.9	29.0	16.7	7.8	
9/20/05	11686		11R11L	Nest	173	27.6	31.5	28.9	16.9	8.0	
9/20/05	11688		11R11L	Nest	173	27.6	31.6	28.1	16.8	7.8	
9/20/05	11690	11689	11R11L	Nest	173	28.2	32.3	30.2	16.9	8.7	
9/20/05	11691		11R11L	hand		28.7	31.7	28.7	16.0	7.4	found under board near Brad's trailer, marked 11R11L
9/21/05	11695	11694	11R11L	Nest	232	26.2	28.9	25.3	16.5	6.3	anomalous V5
9/22/05	11693		11R11L	Nest	182	29.8	34.1	30.4	18.2	9.6	
9/22/05	11696		11R11L	Nest	153	30.6	33.3	30.5	17.6	8.7	
9/22/05	11698	11697	11R11L	Nest	153	32.3	35.3	31.3	18.1	10.7	13 right marginals, anomalous V5
9/22/05	11699		11R11L	Nest	29	27.0	31.6	28.2	17.2	7.6	
9/22/05	11701		11R11L	Nest	29	29.0	31.7	29.1	16.6	8.0	
9/22/05	11702	11703	11R11L	Nest	29	28.2	32.5	29.2	16.7	8.1	
9/22/05	11704		11R11L	Nest	29	28.6	32.2	28.6	17.2	7.7	
9/22/05	11706		11R11L	Nest	29	26.8	31.2	28.1	17.2	7.3	
9/22/05	11707	11708	11R11L	Nest	29	27.8	31.6	28.3	17.1	7.7	
9/22/05	11709		11R11L	Nest	29	28.4	32.4	29.0	17.0	7.8	
9/22/05	11711		11R11L	Nest	29	27.6	31.8	28.4	17.6	8.0	
9/22/05	11712		11R11L	Nest	29	28.7	32.1	29.8	17.0	8.0	
9/22/05	11714		11R11L	Nest	243	26.6	30.6	27.4	18.2	7.1	13 marginals both sides
9/23/05	11715	11716	11R11L	Nest	227	22.7	25.9	23.3	14.9	4.6	anomalous V5
9/23/05	11717		11R11L	Nest	227	27.9	27.7	27.7	15.7	6.9	anomalous V2-V5, anomalous right abdominal
9/23/05	11719		11R11L	Nest	227	27.4	28.0	26.1	16.5	6.9	11 left marginals, anomalous left abdominal
9/23/05	11721	11720	11R11L	Nest	227	28.7	29.6	26.5	16.0	6.6	anomalous V5
9/23/05	11722		11R11L	Nest	227	25.8	27.3	25.5	15.2	5.3	hooked tail
9/23/05	11725		11R11L	Nest	227	27.6	30.7	27.3	16.3	7.1	anomalous costals
9/23/05	11729	11728	11R11L	Nest	227	28.6	30.5	27.7	16.6	7.0	anomalous costals
9/23/05	11730		11R11L	Nest	227	22.1	25.0	23.3	13.7	3.8	anomalous left costals
9/23/05	11733	11732	11R11L	Nest	227	26.3	28.7	27.1	16.1	6.1	
9/24/05	11724	11723	11R11L	Nest	128	28.7	33.4	28.7	16.8	8.5	
9/24/05	11727		11R11L	Nest	128	26.3	31.3	28.7	16.3	7.7	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
9/24/05	11733		11R11L	Nest	128	27.2	32.0	29.5	17.0	8.0	
9/24/05	11735		11R11L	Nest	128	28.3	31.4	29.2	17.3	8.5	11 marginals both sides
9/24/05	11737	11736	11R11L	Nest	128	26.8	32.0	29.0	16.1	7.6	
9/24/05	11738		11R11L	Nest	128	27.1	32.5	28.6	16.9	8.1	
9/24/05	11740		11R11L	Nest	128	28.9	33.5	29.7	17.2	8.6	
9/24/05	11742	11741	11R11L	Nest	128	28.2	33.1	29.0	17.1	8.9	
9/24/05	11743		11R11L	Nest	128	28.3	33.5	29.4	17.0	8.8	
9/24/05	11745		11R11L	Nest	128	27.8	33.2	29.1	17.3	8.6	
9/24/05	11747	11746	11R11L	Nest	128	28.7	33.8	28.5	17.5	9.2	
9/24/05	11748		11R11L	Nest	128	28.1	33.3	29.2	17.4	8.5	
9/24/05	11750	11749	11R11L	Nest	128	28.3	33.5	29.5	17.0	8.7	
9/24/05	11752	11750	11R11L	Nest	128	29.2	33.7	29.8	17.2	8.9	anomalous costals
9/24/05	11753		11R11L	Nest	230	25.2	28.7	25.8	15.1	5.6	
9/24/05	11755	11754	11R11L	Nest	230	23.3	26.3	24.1	15.0	4.9	anomalous V5
9/24/05	11756		11R11L	Nest	227	23.4	27.5	24.8	14.7	5.2	anomalous costals
9/24/05	11758		11R11L	Nest	230	24.7	27.6	24.1	15.4	5.6	anomalous left costals
9/24/05	11760	11759	11R11L	Nest	230	24.3	26.8	25.2	14.8	5.2	
9/24/05	11761		11R11L	Nest	230	27.3	29.4	26.5	16.1	6.5	
9/24/05	11763	11762	11R11L	Nest	230	22.7	26.2	23.3	14.3	4.7	
9/24/05	11765	11764	11R11L	Nest	230	24.4	27.2	25.2	15.1	5.4	
9/24/05	11766		11R11L	Nest	230	23.2	27.0	24.3	14.3	4.7	anomalous V5
9/24/05	11768	11767	11R11L	Nest	230	24.8	27.8	25.4	15.2	5.7	
9/24/05	11769		11R11L	Nest	230	24.6	27.2	25.2	14.7	5.3	anomalous V4, anomalous right costals
9/24/05	11771		11R11L	Nest	230	26.9	29.3	26.5	15.3	6.5	
9/24/05	11773	11772	11R11L	Nest	230	24.2	27.6	25.3	15.3	5.4	anomalous V5
9/24/05	11774		11R11L	Nest	230	26.2	28.6	25.9	15.1	6.0	
9/24/05	11776		11R11L	Nest	230	25.2	28.2	25.9	15.4	5.8	13 left marginals
9/24/05	11778	11777	11R11L	Nest	140	26.6	30.5	26.4	15.9	7.0	
9/24/05	11779		11R11L	Nest	140	25.3	28.5	24.4	15.5	6.0	anomalous V5
9/24/05	11781	11780	11R11L	Nest	140	26.1	31.0	26.7	16.2	7.2	
9/24/05	11782		11R11L12R	Nest	140	26.2	30.0	25.5	15.7	6.2	head start
9/24/05	11784		11R11L12R	Nest	140	26.7	30.7	27.2	16.1	6.9	head start
9/24/05	11786	11785	11R11L12R	Nest	140	25.3	30.0	26.4	15.7	6.4	head start
9/24/05	11787		11R11L12R	Nest	140	25.7	30.2	26.2	15.6	6.4	head start
9/24/05	11789		11R11L12R	Nest	140	26.4	30.1	27.0	15.8	6.7	head start
9/24/05	11791	11790	11R11L12R	Nest	140	25.7	30.0	26.2	16.3	6.6	head start
9/24/05	11792		11R11L12R	Nest	140	25.0	29.4	25.9	15.1	6.0	head start
9/24/05	11794	11793	11R11L12R	Nest	140	27.0	30.2	26.8	16.3	6.9	head start
9/24/05	11795		11R11L12R	Nest	140	26.3	30.8	27.2	16.7	7.0	head start

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
9/24/05	11797		11R11L12R	Nest	140	26.1	29.4	27.0	16.1	6.6	head start
9/24/05	11799	11798	11R11L	Nest	140	25.7	29.9	26.5	16.0	6.8	
9/24/05	11800		11R11L	Nest	179	28.8	32.7	28.2	16.6	7.9	
9/24/05	11802		11R11L	Nest	179	29.0	33.3	29.3	17.1	8.5	
9/24/05	11804	11803	11R11L	Nest	179	28.4	32.2	28.7	16.6	8.2	
9/24/05	11805		11R11L	Nest	179	30.9	34.7	30.9	17.0	10.0	
9/24/05	11807		11R11L	Nest	179	27.5	32.2	28.7	16.7	8.2	
9/24/05	11809	11808	11R11L	Nest	179	26.7	31.4	28.5	16.6	7.8	
9/24/05	11810		11R11L	Nest	179	30.8	34.5	31.0	17.1	9.3	11 left marginals
9/24/05	11812		11R11L	Nest	179	28.7	33.5	28.7	17.2	8.7	
9/24/05	11813		11R11L	Nest	179	29.6	34.8	30.5	17.3	9.1	
9/24/05	11815		11R11L	Nest	179	28.2	31.9	29.3	16.2	8.1	
9/24/05	11817	11816	11R11L	Nest	179	29.5	33.5	29.9	17.1	9.0	
9/24/05	11818		11R11L	Nest	179	30.8	34.7	31.8	17.3	9.8	11 marginals on both sides
9/25/05	11820		11R11L	Nest	42	28.7	32.7	29.1	17.2	8.2	
9/25/05	11822	11821	11R11L	Nest	42	27.8	32.9	28.7	16.8	8.3	
9/25/05	11823		11R11L	Nest	42	28.9	32.3	29.5	16.7	8.2	
9/25/05	11825		11R11L	Nest	42	27.5	31.5	28.3	16.3	8.1	
9/25/05	11827	11826	11R11L	Nest	42	28.2	32.6	28.7	16.7	8.1	
9/25/05	11828		11R11L	Nest	42	28.3	31.0	30.1	16.7	8.6	11 marginals on both sides
9/25/05	11830	11829	11R11L	Nest	42	29.2	33.2	28.7	17.2	8.8	
9/25/05	11831		11R11L	Nest	42	29.0	33.3	29.6	17.7	9.5	
9/25/05	11833		11R11L	Nest	42	28.6	32.3	28.5	16.7	8.1	
9/26/05	11834	11835	11R11L	Nest	198	24.0	25.7	24.6	15.2	4.7	anomalous plastron, anomalous V3-V5, anomalous left costals
9/26/05	11836		11R11L	Nest	140	25.3	28.7	26.5	15.9	6.1	
9/27/05	11838		11R11L	Nest	175	28.0	31.3	27.8	16.7	7.9	
9/27/05	11840	11839	11R11L	Nest	175	27.6	30.2	28.6	16.3	7.6	
9/27/05	11841		11R11L	Nest	175	28.4	31.2	28.2	17.0	7.5	
9/27/05	11843	11842	11R11L	Nest	175	27.8	31.5	29.1	16.6	8.0	anomalous V5
9/27/05	11844		11R11L	Nest	175	27.1	30.3	28.5	16.6	7.2	
9/27/05	11848	11847	11R11L	Nest	175	27.7	32.0	30.0	16.3	8.0	
9/27/05	11849		11R11L	Nest	175	28.1	32.0	28.0	16.6	7.8	anomalous V5
9/27/05	11851		11R11L	Nest	175	27.6	32.0	29.7	16.7	8.0	
9/27/05	11853	11852	11R11L	Nest	175	26.7	31.6	29.2	17.0	7.6	anomalous V3-V5
9/27/05	11856	11855	11R11L	Nest	175	28.4	32.2	29.1	16.7	8.1	anomalous left costals
9/27/05	11857		11R11L	Nest	175	26.3	29.8	27.4	16.7	7.4	
9/27/05	11859		11R11L	Nest	175	25.6	30.4	27.7	16.3	7.1	anomalous right costals
9/27/05	11861	11860	11R11L	Nest	175	26.8	31.1	27.4	16.6	7.7	
9/27/05	11862		11R11L	Nest	175	25.3	28.6	26.6	15.3	6.4	anomalous V4-V5, anomalous costals both sides

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
9/27/05	11864		11R11L	Nest	175	27.2	30.3	28.0	17.0	7.8	
9/27/05	11854		11R11L	Nest	140	24.8	28.6	25.6	16.7	5.9	
9/28/05	11866	11865	11R11L	Nest	175	26.7	31.1	19.2	17.0	7.7	anomalous vertebrae
9/29/05	11867		11R11L	Nest	230	26.1	26.5	26.7	16.0	6.0	11 right marginals, anomalous V2, V5, plastron
9/29/05	11869	11868	11R11L	Nest	230	25.9	29.0	26.4	15.5	5.7	anomalous V5
10/3/05	11870		11R11L	Nest	187	26.8	29.6	25.3	15.7	6.3	
10/3/05	11872		11R11L	Nest	187	27.6	32.3	27.5	16.6	7.7	anomalous V5
10/3/05	11874	11873	11R11L	Nest	187	26.6	30.4	26.2	16.6	7.2	anomalous V5
10/3/05	11875		11R11L	Nest	187	27.2	30.9	27.0	16.3	6.9	anomalous V5, anomalous left costals
10/3/05	11877		11R11L	Nest	187	27.9	31.4	26.5	16.2	7.2	anomalous V5
10/3/05	11878	11879	11R11L	Nest	187	27.9	31.5	27.9	16.5	7.4	anomalous V5
10/4/05	11880		11R11L	Nest	58	29.2	34.2	30.9	17.3	8.2	
10/4/05	11885		11R11L	Nest	58	24.6	25.8	24.2	14.1	3.7	
10/4/05			11R11L	Nest	237	26.7	25.2	24.2	14.6	4.7	dead(desiccation), 13 marginals both sides, anomalous V4-V5, anomalous plastron
10/4/05			11R11L	Nest	237	25.0	25.4	23.3	13.9	4.7	dead(desiccation) 13 marginals both sides, anomalous V2-V5, plastron, yolk sac hanging out
10/4/05	11882	11881	11R11L	Nest	187	23.9	28.2	24.1	16.4	5.4	
10/4/05	11883	11884	11R11L	Nest	187	25.5	29.2	25.0	15.2	5.1	anomalous V5, anomalous costals
10/5/05	11887	11886	11R11L	Nest	173	27.6	32.1	29.7	17.0	8.3	
10/5/05	11888		11R11L	Nest	234	24.5	28.2	27.0	15.3	6.0	anomalous V5
10/5/05	11890		11R11L	Nest	232	24.9	27.3	24.4	15.3	5.4	13 marginals on both sides, anomalous V5
10/5/05	11892	11891	11R11L	Nest	82	27.5	31.8	27.6	16.5	7.8	
10/5/05	11893		11R11L	Nest	82	28.0	32.5	29.1	17.0	8.0	13 right marginals
10/5/05	11895		11R11L	Nest	82	27.0	31.3	27.7	15.8	7.5	anomalous V5
10/5/05	11896		11R11L	Nest	82	27.3	32.2	28.2	16.2	7.4	
10/5/05	11898		11R11L	Nest	82	27.2	31.9	27.1	15.9	7.1	
10/5/05	11900		11R11L	Nest	82	27.2	32.5	29.1	16.1	7.8	anomalous V5
10/5/05	11901		11R11L	Nest	82	25.6	30.8	27.2	16.5	7.3	anomalous V5
10/5/05	11903		11R11L	Nest	82	26.1	31.5	27.2	16.2	7.2	
10/5/05	11905	11904	11R11L	Nest	184	27.1	29.7	27.0	16.4	6.7	anomalous V5
10/5/05	11906		11R11L	Nest	184	24.2	27.3	25.2	16.2	5.9	
10/5/05	11908	11907	11R11L	Nest	184	26.4	29.4	25.7	17.8	7.2	
10/5/05	11909	11910	11R11L	Nest	184	23.9	27.9	25.3	16.6	6.1	
10/5/05	11911		11R11L	Nest	184	29.3	33.3	28.7	18.3	9.0	anomalous V3-V5
10/5/05	11913	11912	11R11L	Nest	149	26.2	29.1	26.3	15.0	6.1	
10/5/05	11914		11R11L	Nest	149	27.7	30.5	27.5	15.7	7.3	
10/5/05	11916		11R11L	Nest	149	29.0	32.6	29.2	16.7	8.4	
10/5/05	11918	11917	11R11L	Nest	149	29.6	33.7	30.1	16.2	8.5	



## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch	Method of	Nest	Plastron	Carapace					Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
10/5/05	11919		11R11L	Nest	149	29.7	32.8	29.8	17.3	8.8	
10/5/05	11921	11920	11R11L	Nest	149	27.9	32.0	29.1	15.4	7.7	anomalous V5
10/5/05	11922		11R11L	Nest	149	28.5	33.1	29.2	16.2	8.3	
10/5/05	11924		11R11L	Nest	149	28.5	32.7	30.5	15.6	8.5	
10/5/05	11926	11925	11R11L	Nest	149	29.5	33.2	29.0	16.3	7.8	
10/5/05	11927		11R11L	Nest	149	28.9	32.6	29.4	16.0	8.3	
10/5/05	11929		11R11L	Nest	149	28.7	31.9	28.1	16.8	7.7	
10/5/05	11930	11931	11R11L	Nest	149	29.3	33.0	29.4	16.6	8.2	13 marginals on both sides, anomalous V3-V5
10/5/05	11932		11R11L	Nest	149	29.5	32.2	29.8	16.2	8.0	
10/5/05	11934	11933	11R11L	Nest	149	26.3	30.2	26.3	15.1	6.1	
10/6/05	11935		11R11L	Nest	222	26.6	31.6	28.3	16.8	7.7	
10/6/05	11937		11R11L	Nest	238	23.8	26.5	24.5	14.8	5.1	
10/6/05	11938	11939	11R11L	Nest	179	28.3	32.7	28.6	18.1	8.7	
10/6/05	11940		11R11L	Nest	179	30.9	34.0	29.8	17.2	9.1	11 marginals on both sides, anomalous right costals
10/6/05	11942		11R11L	Nest	140	27.9	32.7	29.4	16.2	8.0	
10/6/05	11945		11R11L	Nest	85	25.7	29.4	23.8	17.7	7.0	
10/6/05	11947		11R11L	Nest	225	26.2	29.8	27.1	16.2	6.6	
10/6/05	11949		11R11L	Nest	255	27.8	31.5	28.5	16.3	7.3	
10/6/05	11950		11R11L	Nest	255	25.7	29.4	26.6	15.3	5.7	anomalous V5
10/6/05	11951		11R11L	Nest	255	25.1	27.9	27.2	16.5	6.3	anomalous right costals
10/6/05	11953		11R11L	Nest	255	24.8	26.2	25.5	13.3	4.9	13 marginals on both sides, anomalous V5
10/6/05	11955		11R11L	Nest	255	26.2	29.4	25.7	15.8	6.1	anomalous V5
10/6/05	11957	11956	11R11L	Nest	255	25.3	28.7	25.3	15.2	5.5	
10/6/05	11958		11R11L	Nest	255	26.9	30.5	27.6	16.0	6.7	
10/6/05	11960	11959	11R11L	Nest	255	26.4	30.2	28.4	16.5	7.0	
10/6/05	11961		11R11L	Nest	255	26.3	30.2	27.9	15.7	6.7	
10/6/05	11963		11R11L	Nest	255	27.3	31.0	27.8	16.2	7.2	
10/7/05	11964	11965	11R11L	Nest	142	26.0	28.7	24.8	15.3	5.5	anomalous V5
10/7/05	1RLS		11R11L	Nest	231	28.0	29.6	28.2	16.7	7.3	
10/7/05	11968		11R11L	Nest	61	29.8	33.7	29.9	16.2	7.9	
10/7/05	2RLS		11R11L	Nest	61	28.5	32.8	29.3	16.0	7.6	
10/7/05	11966		11R11L	Nest	61	28.6	32.5	28.5	16.5	7.6	
10/7/05	11969	11970	11R11L	Nest	61	29.8	33.3	29.8	16.3	8.2	
10/7/05	11971		11R11L	Nest	70	21.2	24.8	23.0	14.4	4.3	
10/7/05	11973		11R11L	Nest	70	22.0	25.7	23.2	15.1	4.5	anomalous V3, V5
10/7/05	3RLS		11R11L	Nest	70	22.6	26.2	23.6	14.7	4.5	
10/7/05	11974		11R11L	Nest	44	30.6	33.7	30.9	17.2	9.1	
10/7/05	11976		11R11L	Nest	44	24.9	29.0	24.2	14.8	4.9	
10/7/05	4RLS		11R11L	Nest	44	29.8	33.2	30.2	16.7	8.6	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
10/7/05	11977	11970	11R11L	Nest	44	29.2	29.1	30.0	16.8	8.7	
10/7/05	7RLS		11R11L	Nest	75	28.5	30.5	28.5	16.0	7.2	
10/7/05	8RLS		11R11L	Nest	28	30.0	33.3	29.8	17.2	9.0	anomalous V5
10/7/05	9RLS		11R11L	Nest	101	27.2	32.3	28.4	16.3	7.7	
10/7/05	9R10RLS		11R11L	Nest	210	28.6	31.6	30.1	16.3	7.7	
10/7/05	10RLS		11R11L	Nest	20	27.5	33.0	28.2	16.3	7.8	
10/7/05	11RLS		11R11L	Nest	71	26.5	30.6	26.5	16.0	6.5	
10/7/05	12RLS		11R11L	Nest	43	27.2	31.0	26.8	16.4	7.0	
10/7/05	1LLS		11R11L	Nest	2	27.8	32.7	28.9	16.5	7.3	
10/7/05	2LLS		11R11L	Nest	45	28.8	32.7	29.0	17.0	8.4	
10/7/05	11979		11R11L	Nest	75	27.8	30.9	27.6	15.8	6.7	
10/7/05	11981		11R11L	Nest	75	25.9	29.2	27.0	16.1	6.3	anomalous V5
10/7/05	11982	11983	11R11L	Nest	75	28.1	30.9	27.4	16.7	7.3	anomalouls V5
10/7/05	11984		11R11L	Nest	75	28.1	31.6	28.6	16.2	7.2	
10/7/05	11986		11R11L	Nest	75	27.0	30.6	28.4	16.3	7.1	
10/7/05	11987		11R11L	Nest	75	27.1	31.3	28.0	16.4	7.4	
10/7/05	11989		11R11L	Nest	75	27.7	30.4	27.9	17.0	7.4	
10/7/05	11990	11991	11R11L	Nest	75	27.9	31.1	28.2	16.8	7.5	
10/7/05	11992		11R11L	Nest	75	27.6	30.8	28.4	16.0	6.8	
10/7/05	11994		11R11L	Nest	71	26.0	30.5	26.7	14.5	6.5	
10/7/05	11995	11996	11R11L	Nest	71	26.6	31.6	27.4	15.3	6.8	
10/7/05	11997		11R11L	Nest	71	24.9	29.8	26.0	15.6	6.4	
10/7/05	11999		11R11L	Nest	71	25.8	29.3	26.1	15.7	6.5	
10/7/05	12000		11R11L	Nest	71	26.6	30.6	27.2	15.8	6.8	
10/7/05	12002		11R11L	Nest	71	25.9	29.6	26.8	15.4	6.4	
10/7/05	12004	12003	11R11L	Nest	71	27.3	31.3	27.0	15.3	7.0	
10/7/05	12008		11R11L	Nest	71	26.5	30.1	26.1	15.5	6.3	
10/7/05			11R11L	Nest	71	28.1	31.1	26.2	16.2	7.2	
10/7/05	12010		11R11L	Nest	101	29.4	34.0	29.0	17.0	9.1	anomalous V5
10/7/05	12012		11R11L	Nest	101	27.9	32.6	28.7	15.8	7.2	
10/7/05	12013		11R11L	Nest	101	27.6	31.3	27.6	16.2	7.6	
10/7/05	12015		8R8L	Nest	101	29.2	26.7	28.5	17.7	8.8	anomalous tail, arched plastron, 10 left marginals, 9 right marginals, 4 vertebrals
10/7/05	12016	12017	11R11L	Nest	101	28.2	32.6	28.3	16.5	7.7	
10/7/05	12018		11R11L	Nest	101	28.8	32.6	28.1	17.3	8.6	anomalous V5
10/7/05	12020		11R11L	Nest	101	29.7	32.7	29.6	16.0	8.3	11 marginals both sides, anamolous V3, V5
10/7/05	12021	12022	11R11L	Nest	101	25.3	31.0	28.6	15.3	7.4	13 right marginals both sides, anomalous plastron, anomalous V3
10/7/05	12023		11R11L	Nest	101	30.3	33.2	30.0	15.8	8.5	11 left marginals

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
10/7/05	12025	12024	11R11L	Nest	101	28.5	32.0	28.6	16.1	7.8	
10/7/05	12026		11R11L	Nest	101	28.8	32.1	28.3	16.7	8.1	13 right marginals, anomalous V5
10/7/05	12028		11R11L	Nest	101	28.8	32.7	29.3	16.7	8.8	anomalous left costals
10/7/05	12030	12029	11R11L	Nest	101	27.1	31.7	28.0	16.9	7.8	
10/7/05	12031		11R11L	Nest	28	28.8	32.8	30.0	16.2	8.4	
10/7/05	12033		11R11L	Nest	28	28.5	33.5	28.2	16.5	7.8	
10/7/05	12034	12035	11R11L	Nest	28	27.2	32.3	29.9	17.0	8.6	anomalous plastron
10/7/05	12036		11R11L	Nest	28	28.0	33.0	29.1	16.9	8.7	
10/7/05	12038		11R11L	Nest	28	28.9	33.2	30.0	16.4	8.3	
10/7/05	12039		11R11L	Nest	28	27.2	32.5	29.2	17.1	8.3	
10/7/05	12041		11R11L	Nest	28	28.8	32.1	29.0	16.0	8.1	
10/7/05	12043		11R11L	Nest	28	28.8	32.7	29.4	16.7	8.7	anomalous V5
10/7/05	12044		11R11L	Nest	28	29.0	32.4	29.8	16.2	8.2	
10/7/05	12046		11R11L	Nest	28	28.3	33.7	29.2	16.8	9.0	
10/7/05	12048	12047	11R11L	Nest	210	27.6	28.8	25.6	16.0	6.3	anomalous V3, V5, anomalous right costals
10/7/05	12049		11R11L	Nest	210	26.0	29.3	27.0	16.4	6.8	anomalous costals
10/7/05	12051	12050	11R11L	Nest	210	26.3	31.0	27.1	16.7	7.2	deeply indented plastron, anomalous right costals
10/7/05	12052		11R11L	Nest	210	25.1	28.0	25.8	15.1	5.7	anomalous costals
10/7/05	12054		11R11L	Nest	210	28.1	29.7	27.2	16.7	7.1	anomalous V3-V4, anomalous costals
10/7/05	12055		11R11L	Nest	210	26.0	28.0	24.6	14.2	5.7	anomalous costals, V2-V5
10/7/05	12057		11R11L	Nest	210	28.7	31.2	28.3	16.7	8.0	anomalous V3-V5, anomalous right costals
10/7/05	12059		11R11L	Nest	210	23.7	26.6	24.7	14.8	5.2	anomalous vertebrae and costals
10/7/05	12061	12060	11R11L	Nest	210	29.8	32.0	29.4	17.2	8.9	
10/7/05	12062		11R11L	Nest	210	27.6	29.9	27.9	15.6	6.5	13 marginals both sides, anomalous V2, V5
10/7/05	12064		11R11L	Nest	210	29.3	31.0	28.7	17.3	9.1	anomalous V2-V5, anomalous right costals
10/7/05	12065	12066	11R11L	Nest	210	28.4	32.1	29.4	17.1	8.6	anomalous V4-V5, anomalous left costals
10/7/05	12067		11R11L	Nest	210	23.8	27.3	24.5	14.7	5.2	
10/7/05	12069	12068	11R11L	Nest	210	27.9	31.6	28.2	16.2	7.8	
10/7/05	12070		11R11L	Nest	20	28.3	34.7	28.7	17.1	9.2	
10/7/05	12072		11R11L	Nest	20	28.0	33.0	29.0	17.1	8.3	
10/7/05	12074	12073	11R11L	Nest	20	26.8	32.3	27.6	17.5	7.6	
10/7/05	12075		11R11L	Nest	20	28.5	34.0	28.4	16.9	8.6	anomalous V5
10/7/05	12077	12076	11R11L	Nest	20	28.0	34.3	29.1	17.0	8.9	anomalous V5
10/7/05	12078		11R11L	Nest	20	27.7	33.7	27.9	16.6	8.6	
10/7/05	12080		11R11L	Nest	20	29.0	33.7	29.1	16.7	8.6	
10/7/05	12081	12082	11R11L	Nest	20	27.3	32.2	28.1	17.3	8.4	anomalous V5
10/7/05	12083		11R11L	Nest	20	28.3	32.9	27.7	17.5	8.9	anomalous V5
10/7/05	12085		11R11L	Nest	20	27.3	32.6	27.2	17.3	8.3	anomalous V5
10/7/05	12086	12087	11R11L	Nest	20	27.2	33.0	28.0	16.7	8.0	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
10/7/05	12088		11R11L	Nest	20	27.6	34.2	29.5	16.8	9.1	
10/7/05	12090		11R11L	Nest	20	26.6	33.1	27.7	16.5	8.0	
10/7/05	12091		11R11L	Nest	2	28.0	33.2	27.7	17.1	7.8	
10/7/05	12093		11R11L	Nest	2	28.7	32.7	29.0	16.3	7.9	
10/7/05	12094	12095	11R11L	Nest	2	28.0	32.2	28.6	16.5	8.0	anomalous V5
10/7/05	12096		11R11L	Nest	2	28.7	32.6	28.6	16.1	7.7	anomalous V5
10/7/05	12098		11R11L	Nest	2	28.4	32.7	29.0	16.2	8.0	anomalous V5
10/7/05	12099	12100	11R11L	Nest	2	28.5	33.0	29.2	16.2	8.0	
10/7/05	12101		11R11L	Nest	2	28.3	33.3	29.0	17.3	8.7	
10/7/05	12103		11R11L	Nest	2	29.4	33.5	29.5	16.8	8.6	anomalous V5
10/7/05	12104		11R11L	Nest	2	27.6	31.6	28.8	16.6	7.6	
10/7/05	12106		11R11L	Nest	2	27.7	33.2	28.5	17.0	8.2	anomalous V5
10/7/05	12107	12108	11R11L	Nest	45	30.0	34.0	29.5	16.9	9.5	
10/7/05	12109	12110	11R11L	Nest	45	28.2	32.2	27.8	16.7	8.3	
10/7/05	12111		11R11L	Nest	45	27.8	33.5	28.4	17.1	8.8	
10/7/05	12112	12113	11R11L	Nest	45	28.7	33.3	29.2	17.2	8.8	
10/7/05	12114		11R11L	Nest	45	28.0	32.1	29.1	16.6	7.9	anomalous V5
10/7/05	12116		11R11L	Nest	45	29.2	33.6	28.8	17.2	9.2	
10/7/05	12117	12118	11R11L	Nest	45	27.0	31.2	27.2	16.1	7.2	
10/7/05	12119		11R11L	Nest	45	27.6	32.8	28.8	16.7	8.4	
10/7/05	12120		11R11L	Nest	43	27.0	32.1	29.0	15.8	7.7	
10/7/05	12123	12122	11R11L	Nest	43	26.7	31.9	28.0	16.4	7.5	
10/7/05	12124		11R11L	Nest	43	28.9	32.8	28.4	16.7	8.4	
10/7/05	12126		11R11L	Nest	43	26.7	31.4	28.2	16.0	7.2	
10/7/05	12127		11R11L	Nest	43	28.2	32.7	29.4	16.9	8.1	
10/7/05	12129		11R11L	Nest	43	28.0	32.2	28.0	16.7	8.0	
10/7/05	12131	12130	11R11L	Nest	43	27.7	32.7	29.6	16.3	7.8	
10/7/05	12132		11R11L	Nest	43	28.0	33.2	30.0	16.2	8.0	
10/7/05	12134		11R11L	Nest	43	27.2	31.6	27.2	16.5	7.7	
10/7/05	12135		11R11L	Nest	43	27.3	32.4	29.0	16.0	7.8	
10/7/05	12137		11R11L	Nest	43	28.6	33.0	28.8	16.6	8.1	
10/7/05	12139		11R11L	Nest	43	27.6	32.7	28.4	16.3	7.4	
10/7/05	12140	12141	11R11L	Nest	43	26.5	31.5	28.1	17.2	8.2	
10/10/05	12142		11R11L	Nest	251	28.2	31.9	29.0	17.0	7.8	anomalous right costals
10/10/05	12143	12144	11R11L	Nest	205	28.3	31.2	28.3	16.9	7.5	13 left marginals, anomalous V5
10/10/05	12145		11R11L	Nest	205	28.2	33.0	30.7	17.9	8.8	anomalous V5
10/10/05	12147		11R11L	Nest	152	30.0	34.9	31.3	17.9	9.8	
10/10/05	12149	12148	11R11L	Nest	152	31.4	35.2	30.5	17.5	9.9	
10/10/05	12150		11R11L	Nest	152	28.3	32.0	29.8	16.7	8.0	anomalous V5

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
10/10/05	12152		11R11L	Nest	152	25.3	29.5	25.5	17.1	7.2	11 right marginals, anomalous V4, anomalous right costals
10/10/05	12154	12153	11R11L	Nest	152	31.0	34.7	30.2	17.5	9.4	
10/10/05	12155		11R11L	Nest	152	26.8	31.3	27.3	16.6	7.2	
10/10/05	12157		11R11L	Nest	152	29.2	32.5	28.5	16.9	8.0	
10/10/05	12158	12159	11R11L	Nest	152	30.6	34.1	29.7	17.3	9.5	
10/10/05	12160		11R11L	Nest	152	29.2	34.0	31.0	17.2	9.5	
10/10/05	12162	12161	11R11L	Nest	152	29.5	35.5	31.1	17.6	9.6	
10/10/05	12163		11R11L	Nest	257	27.6	30.2	26.9	17.3	7.3	anomalous V5
10/10/05	12165		11R11L	Nest	257	28.2	31.4	27.8	16.9	7.6	anomalous V4-V5, anomalous left costals
10/10/05	12166	12167	11R11L	Nest	257	27.0	30.5	26.2	16.0	6.6	anomalous V4-V5, anomalous costals
10/10/05	12168		11R11L	Nest	257	27.9	30.3	26.8	16.9	7.5	13 right marginals, anomalous V4-V5
10/10/05	12170		11R11L	Nest	257	23.8	26.3	23.3	14.1	4.5	
10/10/05	12171	12172	11R11L	Nest	257	27.2	29.6	26.6	15.7	6.6	anomalous V3-V5
10/10/05	12173		11R11L	Nest	257	19.9	23.3	21.0	13.2	3.5	anomalous V2-V5
10/10/05	12174	12175	11R11L	Nest	139	27.2	31.5	28.7	16.5	7.7	
10/10/05	12176		11R11L	Nest	139	26.8	31.2	27.3	16.7	7.4	
10/10/05	12178		11R11L	Nest	139	26.6	31.0	26.8	16.7	7.2	
10/10/05	12180	12179	11R11L	Nest	139	26.9	31.2	28.5	17.0	7.6	
10/10/05	12181		11R11L	Nest	139	27.2	30.3	27.5	16.4	7.2	
10/10/05	12183		11R11L	Nest	139	25.2	29.2	26.4	16.8	6.5	
10/10/05	12184	12185	11R11L	Nest	139	27.0	31.5	28.3	16.3	7.7	
10/10/05	12186		11R11L	Nest	139	26.6	30.4	27.9	16.3	7.1	anomalous V5
10/10/05	12188		11R11L	Nest	139	25.8	29.7	27.4	16.3	6.4	
10/10/05	12189		11R11L	Nest	139	26.3	30.6	27.2	16.3	7.0	
10/10/05	12191		11R11L	Nest	139	26.8	30.6	27.3	17.0	6.9	
10/10/05	12192	12193	11R11L	Nest	139	27.0	31.4	27.5	17.3	7.8	
10/10/05	12194		11R11L	Nest	208	29.1	30.8	29.4	16.9	8.3	11 left marginals, anomalous V5, anomalous right costal
10/10/05	12196	12195	11R11L	Nest	208	29.2	32.3	29.2	17.3	8.4	
10/10/05	12917		11R11L	Nest	208	31.8	33.7	30.8	17.0	9.8	
10/10/05	12199		11R11L	Nest	208	29.5	33.9	30.9	17.2	9.2	anomalous V5
10/10/05	12201	12200	11R11L	Nest	208	30.1	31.4	29.3	17.1	8.7	anomalous costals
10/10/05	12204		11R11L	Nest	208	28.8	31.2	29.0	16.0	7.8	anomalous V5, costals
10/10/05	12206	12205	11R11L	Nest	208	29.5	32.9	30.5	17.0	9.1	anomalous right costals
10/10/05	12207		11R11L	Nest	208	30.0	31.3	29.9	16.7	8.1	anomalous vertebrales and costals
10/10/05	12209	12208	11R11L	Nest	208	31.0	31.7	30.8	16.8	8.8	13 right marginals, anomalous V5 and costals
10/10/05	12210		11R11L	Nest	208	30.1	33.0	29.7	17.5	8.7	
10/10/05	12211		11R11L	Nest	208	30.0	32.5	29.8	17.5	8.8	anomalous right costals
10/10/05	12212		11R11L	Nest	208	29.6	32.5	29.4	17.0	7.8	
10/10/05	12214	12213	11R11L	Nest	208	29.5	32.6	29.8	17.1	8.4	anomalous V4-V5, anomalous costals

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
10/10/05	12215		11R11L	Nest	146	29.0	32.2	28.0	15.8	7.9	13 right marginals, anomalous V5
10/10/05	12217		11R11L	Nest	146	27.7	31.2	27.8	16.0	7.5	
10/10/05	12218	12219	11R11L	Nest	146	27.2	31.1	27.1	15.9	7.3	
10/10/05	12220		11R11L	Nest	146	27.3	31.5	27.5	16.2	8.0	anomalous V5
10/10/05	12222		11R11L	Nest	146	28.2	32.0	27.7	15.5	7.7	
10/10/05	12223		11R11L	Nest	146	27.7	31.7	28.1	16.5	8.0	
10/10/05	12225		11R11L	Nest	146	27.7	32.3	29.0	16.0	8.2	
10/10/05	12227	12226	11R11L	Nest	146	28.3	32.0	28.3	15.9	7.4	
10/10/05	12228		11R11L	Nest	146	29.1	31.8	28.3	16.2	8.2	
10/10/05	12230		11R11L	Nest	146	28.0	31.3	29.1	16.4	8.1	
10/10/05	12231	12232	11R11L	Nest	146	28.2	32.2	28.9	16.4	7.8	13 right marginals
10/10/05	12233		11R11L	Nest	146	27.0	31.8	28.0	16.2	7.4	
10/10/05	12235	12234	11R11L	Nest	146	28.6	32.1	27.9	15.8	7.3	13 marginals both sides
10/10/05	12236		11R11L	Nest	146	27.8	31.7	28.3	15.7	7.6	
10/10/05	12238		11R11L	Nest	216	30.0	33.0	31.0	18.2	8.9	anomalous right costals
10/10/05	12239		11R11L	Nest	216	29.4	34.0	31.3	17.8	9.5	
10/10/05	12241		11R11L	Nest	216	29.0	33.4	30.4	17.6	9.1	anomalous right costals
10/10/05	12243		11R11L	Nest	216	25.0	27.3	24.4	16.1	5.4	anomalous V4-V5, anomalous plastron
10/10/05	12244	12245	11R11L	Nest	216	29.1	32.5	29.0	17.3	8.5	anomalous costals
10/10/05	12246		11R11L	Nest	216	30.0	32.1	28.9	18.1	9.1	
10/10/05	12248		11R11L	Nest	216	28.2	30.5	28.5	17.2	7.5	anomalous V3, anomalous costals
10/10/05	12249		11R11L	Nest	216	28.5	32.3	30.3	17.5	8.6	anomalous right costals
10/10/05	12251		11R11L	Nest	216	28.2	29.5	28.7	17.3	8.3	10 right and 11 left costals
10/10/05	12252	12253	11R11L	Nest	216	26.5	30.5	29.0	17.0	7.4	13 right marginals, anomalous V3, V5, anomalous costals, anomalous plastron
10/10/05	12254		11R11L	Nest	145	28.5	32.7	28.8	15.5	7.8	
10/10/05	12256		11R11L	Nest	145	29.0	32.2	26.8	16.6	8.0	
10/10/05	12257	12258	11R11L	Nest	145	27.0	30.7	26.4	15.7	8.8	
10/10/05	12259		11R11L	Nest	145	28.4	31.6	27.1	17.0	7.6	
10/10/05	12261		11R11L	Nest	145	29.0	32.7	27.2	17.0	7.9	
10/10/05	12262		11R11L	Nest	145	27.3	30.5	26.7	15.2	6.4	
10/10/05	12264		11R11L	Nest	145	28.3	31.7	27.7	16.2	7.8	
10/10/05	12265	12266	11R11L	Nest	145	28.5	32.8	28.7	16.6	8.4	
10/10/05	12267		11R11L	Nest	145	30.5	34.8	28.4	17.7	9.4	
10/10/05	12269		11R11L	Nest	145	29.2	33.0	28.5	16.2	8.2	
10/10/05	12271	12270	11R11L	Nest	145	29.6	33.2	29.5	17.3	9.0	
10/10/05	12272		11R11L	Nest	145	28.7	32.1	27.0	16.6	7.6	
10/10/05	12274		11R11L	Nest	204	27.2	29.5	25.8	15.8	6.4	13 right marginals, anomalous V5, right costals
10/10/05	12275		11R11L	Nest	204	30.0	32.6	29.7	18.3	8.8	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace					
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments	
10/10/05	12277		11R11L	Nest	204	28.7	30.7	27.7	17.4	7.4	13 marginals both sides	
10/10/05	12279		11R11L	Nest	204	29.0	32.3	29.5	17.7	8.7		
10/10/05	12280		11R11L	Nest	204	27.6	31.5	29.4	16.7	7.6		
10/10/05	12282		11R11L	Nest	204	27.5	31.2	27.8	17.6	8.0		
10/10/05	12284	12283	11R11L	Nest	204	25.2	28.0	26.0	15.7	6.1		
10/10/05	12285		11R11L	Nest	204	28.2	32.3	30.1	17.3	8.2		
10/10/05	12287		11R11L	Nest	204	30.1	32.2	28.6	18.1	8.7	anomalous V5	
10/10/05	12288		11R11L	Nest	204	31.1	33.2	30.2	17.1	8.8		
10/10/05	12290		11R11L	Nest	204	28.9	32.7	30.6	16.7	8.9		
10/10/05	12292		11R11L	Nest	204	28.5	31.3	28.3	16.3	7.7		
10/11/05	12293		11R11L	Nest		27.5	31.3	29.2	16.7	8.0	anomalous V5	
10/11/05	12295		11R11L	Nest	145	30.1	33.6	29.5	17.1	8.5	anomalous V5	
10/11/05	12296	12297	11R11L	Nest	131	23.1	27.7	23.2	17.4	6.0		
10/11/05	12298		11R11L	Nest	97	26.5	29.9	27.7	15.1	6.3		
10/11/05	12300		11R11L	Nest	97	27.2	30.0	26.3	15.0	6.6	13 right marginals, anomalous V5	
10/11/05	12301		11R11L	Nest	97	26.3	29.3	26.1	15.6	6.0		
10/11/05	12303		11R11L	Nest	64	26.9	29.5	26.0	15.1	6.1	anomalous V5	
10/11/05	12305		11R11L	Nest	64	26.0	28.5	26.3	16.1	6.2		
10/11/05	12306		11R11L	Nest	64	25.0	28.6	25.2	16.1	5.9		
10/11/05	12308	12309	11R11L	Nest	64	24.7	28.0	25.6	15.6	6.0		
10/11/05	12311		11R11L	Nest	64	23.3	28.0	24.6	15.0	5.8		
10/11/05	12313		11R11L	Nest	64	24.7	28.3	24.4	15.5	5.8		
10/11/05	12314	12315	11R11L	Nest	64	25.2	27.2	24.4	15.0	5.6		
10/11/05	12316		11R11L	Nest	64	25.5	29.0	25.0	15.3	6.0		
10/11/05	12318	12317	11R11L	Nest	64	26.6	29.5	26.1	15.4	6.2		
10/11/05	12319		11R11L	Nest	64	26.5	29.5	26.8	15.5	6.5	anomalous V5	
10/11/05	12321		11R11L	Nest	64	25.3	29.0	26.0	15.4	6.1		
10/11/05	12323	12322	11R11L	Nest	64	26.0	28.8	25.9	15.3	6.3		
10/11/05	12324		11R11L	Nest	64	26.5	29.2	26.1	15.3	6.4		
10/11/05	12326		11R11L	Nest	190	29.6	32.7	29.7	17.7	8.7	anomalous right costals	
10/11/05	12327		11R11L	Nest	190	27.2	32.7	29.5	16.5	7.8		
10/11/05	12329		11R11L	Nest	190	28.8	34.0	30.0	16.3	8.4	anomalous V5	
10/11/05	12331		11R11L	Nest	190	28.2	32.7	28.8	17.0	8.3		
10/11/05	12332		11R11L	Nest	190	29.2	33.6	29.8	16.7	8.4	anomalous V5, left marginals	
10/11/05	12334		11R11L	Nest	190	29.5	34.1	29.6	17.1	9.0	anomalous V5	
10/11/05	12336		11R11L	Nest	190	28.1	32.5	28.0	16.7	8.1		
10/11/05	12337		11R11L	Nest	190	29.5	33.5	29.8	16.6	8.2	anomalous V5	
10/11/05	12339		11R11L	Nest	190	27.2	32.1	27.8	16.0	7.3		
10/11/05	12340		11R11L	Nest	88	27.2	30.0	26.0	16.8	7.1		

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
10/11/05	12342		11R11L	Nest	88	27.0	29.6	26.0	16.4	6.8	
10/11/05	12344		11R11L	Nest	88	25.8	29.6	26.5	16.3	7.1	anomalous V4-V5
10/11/05	12345		11R11L	Nest	88	26.1	30.6	26.1	16.5	7.2	
10/11/05	12347		11R11L	Nest	88	28.1	31.0	27.2	16.4	7.3	13 marginals both sides
10/11/05	12348		11R11L	Nest	88	27.7	30.7	26.5	17.0	7.3	anomalous V5
10/11/05	12349	12350	11R11L	Nest	88	25.5	30.0	26.3	16.6	7.1	
10/11/05	12351		11R11L	Nest	88	26.6	30.7	27.7	16.2	7.1	anomalous V4-V5
10/11/05	12354	12353	11R11L	Nest	88	27.7	31.8	28.4	16.9	7.7	
10/11/05	12355		11R11L	Nest	166	22.8	27.0	26.6	15.3	5.2	
10/11/05	12357		11R11L	Nest	166	23.4	26.4	26.0	15.3	5.3	
10/11/05	12358		11R11L	Nest	166	25.6	26.8	25.2	15.0	5.0	anomalous V4-V5
10/11/05	12360		11R11L	Nest	166	25.0	27.5	25.8	15.0	5.1	
10/11/05	12362		11R11L	Nest	166	24.0	26.7	24.5	15.1	5.1	
10/11/05	12363		11R11L	Nest	166	24.2	27.4	26.2	15.3	5.4	
10/11/05	12365		11R11L	Nest	166	24.0	28.0	26.8	15.2	6.0	13 right marginals
10/11/05	12366	12367	11R11L	Nest	166	23.2	26.6	25.0	14.9	4.8	anomalous V5
10/11/05	12368		11R11L	Nest	166	23.7	28.1	25.7	15.1	5.4	
10/11/05	12370		11R11L	Nest	166	24.5	27.5	25.8	15.1	5.5	
10/11/05	12371		11R11L	Nest	147	29.0	32.4	28.9	18.0	8.2	anomalous right costals
10/11/05	12373		11R11L	Nest	147	29.5	30.5	28.9	17.1	7.9	
10/11/05	12374	12375	11R11L	Nest	147	30.0	32.0	28.8	16.4	7.6	
10/11/05	12376		11R11L	Nest	147	29.8	32.0	30.4	16.7	8.1	anomalous V5
10/11/05	12378		11R11L	Nest	147	28.7	32.0	29.0	16.4	8.1	
10/11/05	12380		11R11L	Nest	147	28.1	31.0	28.0	16.5	7.7	anomalous V5
10/11/05	12381		11R11L	Nest	147	25.9	28.2	27.1	16.1	6.0	
10/11/05	12383		11R11L	Nest	147	29.1	31.6	29.7	16.1	8.0	
10/11/05	12384		11R11L	Nest	147	29.3	31.6	28.7	16.9	8.2	
10/11/05	12386		11R11L	Nest	207	29.8	33.3	29.3	17.4	8.9	anomalous V5
10/11/05	12388		11R11L	Nest	207	29.3	33.8	29.8	17.7	9.5	13 left marginals, anomalous V5
10/11/05	12389		11R11L	Nest	207	30.2	34.9	30.3	17.3	9.4	13 right marginals, anomalous V5
10/11/05	12391		11R11L	Nest	207	29.7	34.3	30.0	17.3	9.2	anomalous V1
10/11/05	12392		11R11L	Nest	207	29.6	33.7	29.0	17.6	9.3	13 right marginals, anomalous V5 and marginals
10/11/05	12394		11R11L	Nest	207	31.6	34.7	30.5	17.5	9.9	anomalous V5
10/11/05	12396		11R11L	Nest	207	26.5	30.7	27.6	16.3	7.4	anomalous V4-V5
10/11/05	12397		11R11L	Nest	207	22.6	26.1	24.1	14.5	4.8	anomalous V5
10/11/05	12399		12R11L	Nest	207	26.7	28.4	27.0	15.1	6.7	13 right marginals, anomalous V5
10/11/05	12402		11R11L	Nest	168	30.6	33.1	28.9	15.3	8.4	
10/11/05	12401	12400	11R11L	Nest	168	30.0	33.6	28.8	16.1	8.7	
10/11/05	12404		11R11L	Nest	168	28.0	31.2	28.3	15.6	7.4	



## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
10/11/05	12405	12406	11R11L	Nest	168	25.7	30.1	26.3	15.2	7.1	anomalous V4-V5
10/11/05	12407		11R11L	Nest	168	25.2	29.2	26.2	14.3	6.1	anomalous plastron
10/11/05	12409	12408	11R11L	Nest	168	26.8	30.1	26.3	15.5	7.1	anomalous V5, plastron
10/11/05	12410		10R11L	Nest	168	27.4	28.0	27.7	14.5	7.0	anomalous V4
10/11/05	12412		11R11L	Nest	168	25.7	29.7	27.2	14.5	6.8	anomalous V5, anomalous plastron
10/11/05	12414	12413	11R11L	Nest	168	24.1	28.5	25.5	10.5	5.8	anomalous plastron
10/11/05	12415		11R11L	Nest	168	25.2	28.8	24.6	14.2	6.2	anomalous plastron
10/11/05	12417		11R11L	Nest	168	29.0	31.4	28.5	15.3	8.0	anomalous V5
10/11/05	12419	12418	11R11L	Nest	168	25.7	29.5	25.8	15.1	6.6	
10/11/05	12420		11R11L	Nest	168	25.2	28.8	25.7	14.6	6.3	anomalous plastron
10/11/05	12422	12421	11R11L	Nest	168	30.0	32.7	29.0	16.0	8.5	
10/11/05	12423	12424	11R11L	Nest	168	25.8	29.4	26.2	15.4	5.8	anomalous plastron
10/11/05	12425		11R11L	Nest	168	24.4	28.3	25.4	14.1	5.9	anomalous plastron
10/11/05	12426	12427	11R11L	Nest	168	28.6	32.9	29.6	15.7	8.7	
10/11/05	12428	12429	11R11L	Nest	168	28.0	30.1	27.0	15.0	7.1	
10/11/05	12430		11R11L	Nest	168	22.9	28.2	24.4	13.4	4.7	anomalous plastron
10/11/05	12431	12432	11R11L	Nest	168	22.9	28.4	25.3	14.7	6.0	
10/11/05	12433		11R11L	Nest	168	25.2	29.2	26.6	15.2	6.9	
10/11/05	12435	12434	11R11L	Nest	167	27.2	31.9	28.0	16.6	7.7	
10/11/05	12436	12437	11R11L	Nest	167	29.6	30.8	27.9	15.3	6.2	anomalous V3-V5
10/11/05	12438		11R11L	Nest	167	27.0	30.1	28.2	15.3	7.5	anomalous V1, 13 left marginals
10/11/05	12439	12440	11R11L	Nest	167	28.5	31.3	27.7	15.2	7.3	anomalous V5, 13 right marginals
10/11/05	12441	12442	11R11L	Nest	167	29.1	31.0	28.8	16.1	7.3	
10/11/05	12444	12445	11R11L	Nest	167	27.5	30.3	27.0	14.4	6.4	
10/11/05	12446		11R11L	Nest	167	27.6	29.6	27.8	15.5	7.2	
10/11/05	12448		11R11L	Nest	223	28.9	33.1	29.0	16.3	8.5	
10/11/05	12449	12450	11R11L	Nest	223	30.1	33.6	29.4	15.7	8.7	anomalous V5
10/11/05	12451		11R11L	Nest	223	28.9	33.3	29.4	16.0	8.8	
10/11/05	12453		11R11L	Nest	223	29.2	32.3	28.3	15.7	8.1	anomalous V3-V5
10/11/05	12454	12455	11R11L	Nest	223	28.2	31.5	29.0	15.5	7.9	
10/11/05	12456		11R11L	Nest	223	29.8	32.6	29.8	16.2	8.6	
10/11/05	12457	12458	11R11L	Nest	223	27.2	30.5	27.6	15.1	7.4	
10/11/05	12459	12460	11R11L	Nest	223	27.7	31.1	27.1	14.8	7.1	
10/11/05	12461		11R11L	Nest	223	25.2	29.1	26.7	14.3	6.4	
10/11/05	12727		11R11L	Nest	223	28.1	30.4	27.9	15.5	6.9	This terrapin lost wire tag from nest #167, remeasured and tagged
10/11/05	12462	12463	11R11L	Nest	67	24.2	28.1	25.0	13.5	5.8	
10/11/05	12464		11R11L	Nest	67	27.0	31.7	28.7	15.8	8.1	
10/11/05	12466		11R11L	Nest	67	26.6	31.7	27.7	16.2	8.2	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace					
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments	
10/11/05	12467	12468	11R11L	Nest	67	26.7	31.4	27.5	15.6	7.0	anomalous V3-V5	
10/11/05	12469		11R11L	Nest	67	26.2	30.5	28.2	15.4	8.0		
10/11/05	12471		11R11L	Nest	67	26.0	31.0	28.0	15.9	8.1		
10/11/05	12472	12473	11R11L	Nest	67	26.8	32.3	28.6	16.5	8.2		
10/11/05	12474		11R11L	Nest	67	26.2	31.6	28.0	16.0	6.7		
10/11/05	12476		11R11L	Nest	67	26.1	30.7	26.6	15.8	7.4		
10/11/05	12477	12478	11R11L	Nest	67	27.4	32.1	28.2	16.0	7.6		
10/11/05	12479		11R11L	Nest	67	25.2	29.5	25.2	15.1	6.5		
10/11/05	12480	12481	11R11L	Nest	192	28.2	31.7	27.9	15.4	8.0		
10/11/05	12482	12483	11R11L	Nest	192	27.1	31.1	27.5	15.3	7.2		
10/11/05	12484		11R11L	Nest	192	28.0	31.7	28.3	15.6	6.4		
10/11/05	12485	12486	11R11L	Nest	192	29.2	32.4	28.5	16.2	8.1	anomalous V4	
10/11/05	12487	12488	11R11L	Nest	192	26.7	30.7	28.2	15.4	7.5		
10/11/05	12489		11R11L	Nest	192	28.5	33.3	28.9	15.3	8.5		
10/11/05	12490	12491	11R11L	Nest	192	26.1	29.9	26.8	14.6	5.4	anomalous V4-V5	
10/11/05	12492	12493	11R11L	Nest	192	28.7	30.6	28.4	15.8	7.9		
10/11/05	12494		11R11L	Nest	192	27.2	30.7	27.4	15.0	7.1	anomalous V4-V5, anomalous plastron scutes	
10/11/05	12495	12496	11R11L	Nest	192	25.4	29.7	25.8	14.4	6.2		
10/11/05	12497		11R11L	Nest	192	26.1	29.1	26.1	14.3	6.1	anomalous V4	
10/11/05	12499		11R11L	Nest	192	26.0	29.3	25.8	15.3	6.5		
10/11/05	12500	12501	11R11L	Nest	192	27.3	31.2	27.5	15.6	7.3	anomalous V5	
10/12/05	12502		11R11L	Nest	161	27.7	32.2	28.1	16.2	8.2		
10/12/05	12503	12504	11R11L	Nest	161	28.2	32.5	28.8	16.3	8.5	anomalous V4	
10/12/05	12505	12506	11R11L	Nest	161	28.0	31.7	27.7	16.1	7.4	13 right marginals	
10/12/05	12507		11R11L	Nest	161	28.3	32.3	29.1	16.2	8.3	11 left marginals	
10/12/05	12508	12509	11R11L	Nest	161	28.6	32.1	28.4	16.3	7.9		
10/12/05	12512		11R11L	Nest	161	28.2	31.6	27.9	15.6	7.7		
10/12/05	12513	12514	11R11L	Nest	161	27.6	31.6	26.9	16.3	7.5		
10/12/05	12515		11R11L	Nest	161	28.1	32.0	28.3	16.2	8.2		
10/12/05	12517		11R11L	Nest	161	28.2	31.6	28.8	16.2	7.7		
10/12/05	12518	12519	11R11L	Nest	161	28.9	32.7	28.9	16.9	8.6		
10/12/05	12520		11R11L	Nest	161	27.0	32.0	28.6	16.0	7.6		
10/12/05	12522	12521	11R11L	Nest	161	26.6	30.9	27.3	15.8	7.3		
10/12/05	12523	12524	11R11L	Nest	252	24.7	37.9	24.1	15.5	5.3	anomalous V5	
10/12/05	12525		11R11L	Nest	252	25.5	28.9	24.5	14.7	5.6	anomalous V4-V5	
10/12/05	12526	12527	11R11L	Nest	252	24.1	27.4	23.3	14.2	4.7		
10/12/05	12528		11R11L	Nest	252	27.2	31.1	27.4	16.5	7.2		
10/12/05	12530		11R11L	Nest	252	27.3	30.6	27.5	16.2	7.0		
10/12/05	12531	12532	11R11L	Nest	252	24.0	27.6	25.1	14.8	5.4	13 right marginals,anomalous V5	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
10/12/05	12533		11R11L	Nest	252	24.6	28.2	24.5	15.1	5.6	
10/12/05	12535		11R11L	Nest	271	27.9	31.5	28.0	16.4	7.4	
10/12/05	12536	12537	11R11L	Nest	84	28.0	32.5	28.3	17.4	8.5	
10/12/05	12538		11R11L	Nest	84	26.5	30.6	25.0	16.0	6.4	
10/12/05	12540		11R11L	Nest	84	29.4	32.6	28.9	16.5	8.6	
10/12/05	12541		11R11L	Nest	137/247	30.4	32.7	29.3	16.6	7.9	
10/12/05	12543		11R11L	Nest	137/247	27.1	31.3	26.9	15.9	7.1	anomalous V5
10/12/05	12544	12545	11R11L	Nest	137/247	27.3	32.5	29.0	14.9	7.7	
10/12/05	12546		11R11L	Nest	137/247	30.8	32.3	28.5	16.3	7.9	anomalous V1
10/12/05	12548		11R11L	Nest	137/247	27.3	31.2	26.9	16.0	7.1	
10/12/05	12549	12550	11R11L	Nest	137/247	27.7	31.3	27.6	15.4	7.6	
10/12/05	12551		11R11L	Nest	137/247	26.9	32.2	28.4	15.3	7.5	
10/12/05	12552	12553	11R11L	Nest	137/247	27.0	31.8	27.8	15.5	7.6	
10/12/05	12554	12555	11R11L	Nest	137/247	30.2	31.8	28.4	15.4	7.6	
10/12/05	12556		11R11L	Nest	137/247	25.8	29.5	26.7	15.6	6.6	
10/12/05	12557	12558	11R11L	Nest	137/247	25.4	30.2	27.0	14.6	6.5	
10/12/05	12559	12560	11R11L	Nest	137/247	26.5	32.0	27.7	16.0	7.4	
10/12/05	12561		11R11L	Nest	137/247	27.5	32.0	28.5	15.1	7.4	
10/12/05	12562	12563	11R11L	Nest	137/247	25.2	30.4	26.3	15.2	6.7	
10/12/05	12564		11R11L	Nest	137/247	27.7	32.4	27.5	16.2	7.6	
10/12/05	12565	12566	11R11L	Nest	137/247	28.0	30.3	27.5	14.0	6.5	anomalous V1
10/12/05	12567	12568	11R11L	Nest	137/247	25.9	30.5	26.5	16.3	6.5	
10/12/05	12569		11R11L	Nest	137/247	26.6	30.7	26.6	14.6	6.6	anomalous V5, 13 right marginals
10/12/05	12572	12573	11R11L	Nest	137/247	28.0	29.5	27.2	15.3	6.7	anomalous V3-V5
10/12/05	12574		11R11L	Nest	137/247	28.0	29.9	27.5	15.3	6.9	
10/12/05	12575	12576	11R11L	Nest	137/247	26.5	29.4	26.0	13.8	5.6	
10/12/05	12577		11R11L	Nest	137/247	27.5	31.0	27.0	15.6	6.8	
10/12/05	12578	12579	11R11L	Nest	137/247	27.5	30.2	26.2	14.6	6.2	anomalous V5
10/12/05	12580	12581	11R11L	Nest	137/247	27.7	29.0	26.3	14.4	6.0	
10/12/05	12582		11R11L	Nest	137/247	25.2	27.2	24.7	13.1	5.0	
10/12/05	12583	12584	11R11L	Nest	122	28.7	31.6	27.9	15.8	8.0	
10/12/05	12585	12586	11R11L	Nest	122	27.1	31.4	28.3	15.6	7.3	
10/12/05	12587		11R11L	Nest	122	27.6	29.7	28.1	16.1	7.4	11 left marginals, anomalous V5
10/12/05	12589		11R11L	Nest	122	28.0	31.1	27.8	16.1	7.8	
10/12/05	12590		11R11L	Nest	122	28.3	32.2	27.9	16.3	7.7	anomalous left costals
10/12/05	12592		12R11L	Nest	122	26.5	29.8	26.2	15.5	6.8	
10/12/05	12593	12594	11R11L	Nest	122	27.9	30.5	27.5	16.0	7.5	anomalous V5
10/12/05	12595		11R11L	Nest	122	29.1	31.7	27.5	16.4	7.7	
10/12/05	12596	12597	11R11L	Nest	122	27.5	31.2	27.5	16.3	7.6	anomalous left costals

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
10/12/05	12598	12599	11R11L	Nest	122	27.0	30.9	27.4	15.7	7.3	
10/12/05	12600		11R11L	Nest	122	28.0	31.5	28.3	16.0	7.9	anomalous V5
10/12/05	12601	12602	11R11L	Nest	122	27.7	30.7	27.2	15.9	7.3	
10/12/05	12603		11R11L	Nest	122	28.4	31.5	28.1	16.3	7.8	anomalous V5
10/12/05	12605		11R11L	Nest	122	29.1	30.4	27.4	15.8	7.5	
10/12/05	12606	12607	11R11L	Nest	106	27.5	31.3	28.7	16.1	7.7	
10/12/05	12608		11R11L	Nest	106	27.8	32.0	28.1	16.5	8.1	
10/12/05	12610		11R11L	Nest	106	27.9	32.0	28.0	16.5	8.0	
10/12/05	12611		11R11L	Nest	106	28.2	31.6	27.7	16.6	7.9	anomalous right costals
10/12/05	12613		11R11L	Nest	106	27.9	31.5	28.0	16.8	8.0	
10/12/05	12614	12615	11R11L	Nest	106	28.9	32.2	27.9	17.0	8.4	
10/12/05	12616		11R11L	Nest	106	28.2	31.4	28.9	16.8	8.6	
10/12/05	12618		11R11L	Nest	106	27.7	31.5	28.0	16.2	7.6	
10/12/05	12619	12620	11R11L	Nest	106	27.7	32.2	29.5	15.8	7.9	
10/12/05	12621		11R11L	Nest	106	27.5	31.7	28.1	16.3	7.9	
10/12/05	12623		11R11L	Nest	106	27.9	31.2	28.1	16.3	7.8	
10/12/05	12624		11R11L	Nest	106	27.9	30.4	28.0	16.1	7.6	anomalous V5
10/12/05	12626		11R11L	Nest	106	27.5	31.7	28.5	16.8	7.8	
10/12/05	12627	12628	11R11L	Nest	106	26.1	30.1	26.9	15.2	6.9	
10/12/05	12629		11R11L	Nest	136	28.0	31.2	28.4	17.1	8.6	
10/12/05	12631		11R11L	Nest	136	28.2	32.3	29.0	16.7	8.0	
10/12/05	12633		11R11L	Nest	136	28.0	30.6	27.4	16.5	7.2	anomalous right and left costals
10/12/05	12634		11R11L	Nest	136	29.3	33.2	29.9	16.7	8.8	
10/12/05	12636		11R11L	Nest	136	27.0	31.3	27.9	16.5	7.4	anomalous V5
10/12/05	12637	12638	11R11L	Nest	136	29.1	32.1	28.8	17.5	9.0	anomalous V5
10/12/05	12640	12641	11R11L	Nest	136	27.1	29.9	24.8	15.6	6.5	
10/12/05	12642	12643	11R11L	Nest	136	26.5	29.4	25.8	15.6	6.6	
10/12/05	12644		11R11L	Nest	136	25.7	29.1	25.6	15.6	6.3	
10/12/05	12645	12646	11R11L	Nest	136	26.5	29.8	25.1	16.2	6.7	anomalous V5
10/12/05	12647		11R11L	Nest	136	26.9	29.6	26.1	15.6	6.7	anomalous V5
10/12/05	12649		11R11L	Nest	136	28.9	32.2	30.0	17.0	8.8	
10/12/05	12651		11R11L	Nest	136	28.6	31.6	28.9	16.7	8.3	
10/12/05	12652		11R11L	Nest	136	27.1	30.2	27.9	15.8	7.2	anomalous V5, anomalous right costals
10/12/05	12654		11R11L	Nest	136	29.1	30.5	27.8	17.0	7.8	anomalous plastron scutes
10/12/05	12655	12656	11R11L	Nest	136	26.0	29.4	25.0	15.8	6.2	
10/12/05	12657		11R11L	Nest	136	25.7	29.3	25.7	15.2	6.1	
10/12/05	12658	12659	11R11L	Nest	136	25.2	29.3	24.6	15.2	5.9	anomalous V5
10/12/05	12662		11R11L	Nest	136	29.6	33.1	29.3	17.4	9.1	anomalous V5
10/12/05	12664	12663	11R11L	Nest	136	27.0	30.5	25.9	15.9	6.8	

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Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
10/12/05	12665		11R11L	Nest	136	25.4	29.6	25.3	16.0	6.3	
10/12/05	12667		11R11L	Nest	136	27.0	30.2	26.0	16.2	7.1	
10/12/05	12668	12669	11R11L	Nest	136	25.5	29.2	24.6	15.5	6.3	
10/12/05	12670		11R11L	Nest	136	26.9	29.4	25.3	14.8	6.5	
10/12/05	12671	12672	11R11L	Nest	211	24.8	27.7	25.5	15.5	5.7	anomalous V5, anomalous right and left costals
10/12/05	12673		11R11L	Nest	211	26.5	29.5	26.8	15.9	6.3	anomalous V4-V5
10/12/05	12675		11R11L	Nest	211	25.8	28.3	25.8	16.5	5.9	
10/12/05	12677	12676	11R11L	Nest	211	27.0	29.3	26.2	16.1	6.3	anomalous V4-V5
10/12/05	12678		11R11L	Nest	211	24.4	27.2	25.2	15.7	5.6	anomalous V5, anomalous right costals
10/12/05	12680		11R11L	Nest	211	25.8	28.1	25.4	15.2	5.9	
10/12/05	12681	12682	11R11L	Nest	211	25.4	27.8	25.5	15.4	5.9	anomalous V4-V5, anomalous right costals
10/12/05	12683		11R11L	Nest	211	24.5	28.0	26.1	15.1	6.0	
10/12/05	12684	12685	11R11L	Nest	211	24.4	28.1	25.0	15.6	5.7	anomalous V4
10/12/05	12686		11R11L	Nest	211	26.1	29.7	26.4	15.7	6.6	anomalous left costals
10/12/05	12688		11R11L	Nest	211	23.5	28.0	25.5	15.4	6.0	
10/12/05	12691		11R11L	Nest	211	25.2	27.8	25.8	15.5	6.0	anomalous V5, anomalous left costals
10/12/05	12692	12693	11R11L	Nest	211	25.1	29.0	26.8	15.7	6.3	anomalous V5
10/12/05	12696		11R11L	Nest	211	24.1	27.7	25.3	15.4	5.6	
10/12/05	12697	12698	11R11L	Nest	211	25.4	29.0	25.1	16.1	6.3	anomalous left costals
10/12/05	12699		11R11L	Nest	211	24.5	28.6	25.5	15.2	6.1	anomalous V5
10/12/05	12701		11R11L	Nest	201	27.5	30.3	28.1	16.0	7.4	anomalous V5
10/12/05	12702	12703	11R11L	Nest	201	27.0	30.4	28.2	16.9	7.6	
10/12/05	12704		11R11L	Nest	201	26.8	29.5	27.6	16.2	7.4	anomalous V5
10/12/05	12705	12706	11R11L	Nest	201	27.6	30.1	28.3	16.1	7.6	anomalous V5
10/12/05	12707		11R11L	Nest	201	27.5	30.2	27.7	16.7	7.8	
10/12/05	12709		11R11L	Nest	201	26.8	26.8	26.7	16.3	6.4	anomalous plastron scutes, anomalous V5
10/12/05	12714		11R11L	Nest	201	26.8	29.1	27.0	16.3	6.7	
10/12/05	12715	12716	11R11L	Nest	201	27.3	30.7	27.4	16.5	7.6	anomalous V5, anomalous left costals
10/12/05	12717		11R11L	Nest	201	28.0	31.6	29.3	16.7	8.2	anomalous V5
10/12/05	12718	12719	11R11L	Nest	201	29.0	30.6	28.0	16.7	8.2	
10/12/05	12720		11R11L	Nest	201	28.7	31.7	27.8	16.7	8.0	
10/12/05	12722		11R11L	Nest	201	27.7	31.1	28.0	16.7	7.7	anomalous V4
10/12/05	12723	12724	11R12L	Nest	248	27.5	31.2	28.8	15.5	7.8	
10/12/05	12725	12726	11R11L	Nest	248	24.9	28.0	27.3	15.1	6.7	13 marginals on right side, anomalous V5
10/12/05	12728	12729	11R11L	Nest	248	25.9	29.2	26.7	14.9	6.3	
10/12/05	12730		11R11L	Nest	248	24.8	28.2	25.5	15.1	6.1	anomalous V5
10/12/05	12731	12732	11R11L	Nest	248	23.6	26.8	23.9	13.4	4.9	
10/12/05	12733	12734	11R11L	Nest	248	22.5	25.3	23.0	13.8	4.6	anomalous V1
10/12/05	12735		11R11L	Nest	213	30.7	33.7	30.1	16.2	9.5	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron		Carapace			
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
10/12/05	12736	12737	11R11L	Nest	213	30.5	33.3	30.2	16.0	9.2	
10/12/05	12738	12739	11R11L	Nest	213	31.2	33.3	30.2	16.0	9.0	
10/12/05	12740		11R11L	Nest	213	30.1	33.0	29.7	15.9	8.7	anomalous V5
10/12/05	12741	12742	11R11L	Nest	213	29.5	32.2	30.3	15.7	9.0	anomalous V3-V4
10/12/05	12743		11R11L	Nest	213	29.1	32.5	29.2	16.4	8.1	
10/12/05	12745		11R11L	Nest	213	27.7	31.4	28.6	14.0	7.4	anomalous V4-V5, left costals
10/12/05	12746	12747	11R11L	Nest	213	31.1	34.1	30.4	16.8	9.5	anomalous left costals and V5
10/12/05	12748		11R11L	Nest	213	30.9	33.4	28.8	16.8	9.0	anomalous V5
10/12/05	12749	12750	11R11L	Nest	213	28.9	31.6	27.6	15.2	7.3	anomalous V3-V5, left and right costals
10/12/05	12751	12752	11R11L	Nest	213	29.8	32.4	29.0	15.6	7.9	
10/12/05	12753		11R11L	Nest	213	27.7	29.7	26.7	15.1	6.6	anomalous right and left costals
10/12/05	12754	12755	11R11L	Nest	120	28.0	30.2	26.3	15.1	6.9	anomalous V3, V5, anomalous right and left costals
10/12/05	12756		11R11L	Nest	120	27.1	31.7	27.9	15.6	7.3	
10/12/05	12758		11R11L	Nest	120	27.1	31.7	27.5	15.8	7.4	anomalous V4, anomalous right and left costals
10/12/05	12759	12760	11R11L	Nest	120	26.8	31.2	27.3	15.2	7.2	anomalous V5
10/12/05	12761		11R11L	Nest	120	25.4	30.8	25.6	14.7	6.8	
10/12/05	12762	12763	11R11L	Nest	120	26.7	31.5	27.1	15.0	6.9	
10/12/05	12764	12765	11R11L	Nest	120	26.2	30.5	26.6	15.8	7.3	anomalous V5
10/12/05	12766		11R11L	Nest	120	26.7	31.6	27.6	16.0	8.0	
10/12/05	12767	12768	11R11L	Nest	120	27.2	31.7	27.7	15.5	7.2	
10/12/05	12769		11R11L	Nest	195	28.7	32.0	27.4	16.2	7.6	
10/12/05	12771		11R11L	Nest	195	27.3	31.6	28.3	14.3	7.0	
10/12/05	12772	12773	11R11L	Nest	195	27.8	31.4	27.2	15.5	7.2	
10/12/05	12774		11R11L	Nest	195	26.2	30.5	26.6	14.8	6.3	
10/12/05	12775	12776	11R11L	Nest	195	27.0	31.1	27.2	15.0	7.0	
10/12/05	12777	12778	11R11L	Nest	195	27.1	31.0	27.3	15.4	6.9	anomalous V4-V5
10/12/05	12779		11R11L	Nest	195	28.0	31.2	27.5	14.9	7.3	anomalous V5
10/12/05	12780	12781	11R11L	Nest	195	27.5	28.7	25.1	14.7	6.5	anomalous V5
10/12/05	12782	12783	11R11L	Nest	195	26.5	30.0	27.1	14.6	6.7	anomalous V5
10/12/05	12784		11R11L	Nest	121	27.5	32.1	28.1	15.7	7.4	
10/12/05	12785	12786	11R11L	Nest	121	27.1	30.6	28.5	15.2	7.3	
10/12/05	12787	12788	11R11L	Nest	121	28.2	32.0	29.3	16.2	7.9	
10/12/05	12789		11R11L	Nest	121	29.7	33.2	28.2	16.2	8.3	
10/12/05	12790	12791	11R11L	Nest	121	29.2	32.5	29.2	16.6	8.3	
10/12/05	12792		11R11L	Nest	121	30.2	33.1	28.8	16.2	8.6	
10/12/05	12793	12794	11R11L	Nest	121	28.9	33.1	29.1	16.3	8.5	
10/12/05	12795	12796	11R11L	Nest	121	28.5	31.7	27.2	15.9	7.5	
10/12/05	12797		11R11L	Nest	121	28.3	31.9	29.4	15.2	7.7	
10/12/05	12798	12799	11R11L	Nest	121	28.2	31.7	28.0	15.7	7.3	

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
10/12/05	12800	12801	11R11L	Nest	121	27.5	31.2	27.0	15.3	7.1	
10/12/05	12802		11R11L	Nest	121	27.2	31.2	27.6	16.2	7.3	
10/12/05	12803	12804	11R11L	Nest	109	26.4	27.7	25.8	14.2	6.1	
10/12/05	12805		11R11L	Nest	109	28.9	30.3	27.6	15.7	7.5	anomalous plastron scutes
10/12/05	12807		11R11L	Nest	109	27.6	29.1	26.1	14.4	6.2	
10/12/05	12808	12809	11R11L	Nest	109	26.9	29.4	25.9	14.9	6.6	11 right marginals, anomalous V2-V5, anomalous right and left costals
10/12/05	12810		11R11L	Nest	109	28.2	30.3	27.2	15.1	7.1	anomalous V5
10/12/05	12811	12812	11R11L	Nest	109	26.7	30.0	27.1	14.7	6.8	
10/12/05	12813	12814	11R11L	Nest	109	25.8	29.2	25.2	14.8	6.0	
10/12/05	12815		11R11L	Nest	109	26.4	27.5	26.3	15.1	6.3	anomalous plastron scutes, anomalous V5
10/12/05	12816	12817	11R11L	Nest	109	25.6	29.1	25.9	15.1	6.3	anomalous V2-V5, anomalous left and right costals
10/12/05	12818	12819	11R11L	Nest	109	26.8	29.1	25.5	14.4	6.1	anomalous plastron scutes
10/12/05	12820		11R11L	Nest	109	26.6	28.8	26.9	14.6	6.6	anomalous plastron scutes
10/12/05	12821	12822	11R11L	Nest	109	26.8	28.9	26.2	14.3	6.5	
10/12/05	12823		11R11L	Nest	4	30.0	32.0	28.5	15.8	7.8	13 right marginals
10/12/05	12825	12824	11R11L	Nest	4	29.2	32.4	27.2	15.8	8.0	anomalous left costals
10/12/05	12827	12826	11R11L	Nest	4	27.5	31.8	26.2	15.5	7.5	anomalous left costals
10/12/05	12828		11R11L	Nest	4	27.2	32.0	27.9	16.6	7.7	
10/12/05	12829	12830	11R11L	Nest	4	26.0	29.3	25.2	14.2	5.8	anomalous V4-V5
10/12/05	12831	12832	11R11L	Nest	4	28.0	32.4	28.0	15.5	7.8	
10/12/05	12833		11R11L	Nest	4	27.2	32.2	27.9	15.1	7.5	
10/12/05	12834	12835	11R11L	Nest	4	27.7	32.8	27.0	15.7	7.7	
10/12/05	12836		11R11L	Nest	4	27.6	31.5	27.8	15.5	7.7	
10/12/05	12838		11R11L	Nest	4	25.0	31.1	27.3	15.3	7.4	
10/12/05	12839	12840	11R11L	Nest	4	27.3	30.6	25.5	16.2	7.7	
10/12/05	12841		11R11L	Nest	4	27.7	32.4	27.4	15.8	7.3	anomalous V5, anomalous right costals
10/12/05	12842	12843	11R11L	Nest	4	28.6	32.9	27.3	15.4	7.9	
10/12/05	12962	12961	11R11L	Nest	271	27.5	32.1	28.9	16.8	7.6	hatchling from nest found after it hatched
10/13/05	12844	12845	11R11L	Nest	192	28.0	31.5	28.6	15.6	7.7	
10/13/05	12846		11R11L	Nest	127	29.8	33.8	29.4	16.5	8.9	
10/13/05	12847	12848	11R11L	Nest	127	29.5	34.3	30.2	16.6	9.3	anomalous V1
10/13/05	12849		11R11L	Nest	127	27.4	33.5	29.3	15.9	8.0	
10/13/05	12851		11R11L	Nest	127	30.4	34.3	29.6	16.2	8.6	
10/13/05	12852	12853	11R11L	Nest	127	29.3	33.6	30.2	16.4	9.0	
10/13/05	12854		11R11L	Nest	127	27.9	33.1	29.8	16.2	8.9	
10/13/05	12855	12856	11R11L	Nest	127	28.2	32.8	29.4	16.8	8.7	
10/13/05	12857	12858	11R11L	Nest	127	28.6	33.4	30.0	16.6	8.7	
10/13/05	12859		11R11L	Nest	127	28.6	33.4	29.8	16.9	8.8	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
10/13/05	12860	12861	11R11L	Nest	127	29.4	33.7	30.2	17.0	9.1	
10/13/05	12862	12863	11R11L	Nest	127	27.9	32.9	29.0	16.5	8.2	
10/13/05	12864		11R11L	Nest	127	28.9	32.8	29.0	16.2	8.1	
10/13/05	12865	12866	11R11L	Nest	127	28.6	33.8	29.8	16.0	8.5	
10/13/05	12868	12869	11R11L	Nest	127	29.5	33.6	28.5	16.8	9.0	
10/13/05	12870	12871	11R11L	Nest	127	29.3	34.0	28.7	16.5	8.8	
10/13/05	12872		11R11L	Nest	127	28.6	32.5	30.0	15.9	8.3	
10/13/05	12873	12874	11R11L	Nest	116	27.5	32.5	29.3	15.6	8.3	
10/13/05	12875	12876	11R11L	Nest	116	27.1	33.2	28.9	16.5	8.7	
10/13/05	12877		11R11L	Nest	116	28.8	33.0	28.9	16.4	8.5	
10/13/05	12878	12879	11R11L	Nest	116	26.5	31.7	27.5	15.3	7.3	
10/13/05	12880		11R11L	Nest	116	27.0	32.7	28.8	15.8	7.9	
10/13/05	12881	12882	11R11L	Nest	116	27.1	32.3	28.1	16.5	7.9	
10/13/05	12883	12884	11R11L	Nest	116	27.9	32.7	27.8	16.5	8.1	
10/13/05	12885		11R11L	Nest	116	28.0	32.2	28.0	15.9	8.2	
10/13/05	12886	12887	11R11L	Nest	116	26.7	30.6	26.5	15.0	6.7	
10/13/05	12888		11R11L	Nest	116	27.0	31.5	28.4	15.4	7.6	
10/13/05	12890		11R11L	Nest	116	27.8	32.9	28.9	16.4	8.0	
10/13/05	12891	12892	11R11L	Nest	116	25.9	30.5	26.5	15.0	6.8	
10/13/05	12893		11R11L	Nest	119	25.9	31.1	26.9	14.3	7.2	
10/13/05	12895		11R11L	Nest	119	26.6	30.6	26.7	14.3	6.6	
10/13/05	12896	12897	11R11L	Nest	119	27.7	30.5	27.7	14.9	7.2	
10/13/05	12898		11R11L	Nest	119	26.4	30.7	27.1	14.2	6.5	
10/13/05	12900		11R11L	Nest	119	27.3	30.2	26.8	14.4	6.4	
10/13/05	12901	12902	11R11L	Nest	119	25.9	30.3	27.0	14.8	6.7	
10/13/05	12903		11R11L	Nest	119	26.2	30.1	26.5	14.1	6.4	
10/13/05	12904	12905	11R11L	Nest	119	25.6	30.0	26.4	14.3	6.3	
10/13/05	12906	12907	11R11L	Nest	119	26.5	30.2	26.4	15.3	6.8	
10/13/05	12908		11R11L	Nest	119	26.0	30.5	27.0	15.1	7.0	
10/13/05	12909	12910	11R11L	Nest	119	26.5	31.5	27.8	14.5	7.1	
10/13/05	12911		11R11L	Nest	119	26.4	30.2	26.8	14.7	6.9	
10/13/05	12912	12913	11R11L	Nest	119	25.6	29.3	24.8	14.5	5.8	
10/13/05	12914	12915	11R11L	Nest	119	26.6	30.2	26.6	14.8	6.6	
10/13/05	12916		11R11L	Nest	119	26.2	30.3	27.4	14.9	6.7	
10/13/05	12917	12918	11R11L	Nest	119	25.3	29.6	26.2	14.8	6.1	
10/13/05	12919	12920	11R11L	Nest	94	27.4	33.1	28.6	16.0	7.9	
10/13/05	12921		11R11L	Nest	94	27.8	33.1	28.1	15.1	7.5	
10/13/05	12922	12923	11R11L	Nest	94	28.0	32.3	27.7	16.2	8.0	
10/13/05	12924		11R11L	Nest	94	26.4	31.9	28.1	16.3	8.0	



## Appendix 2. PIERP 2005 Terrapin Hatchlings

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
10/13/05	12925	12926	11R11L	Nest	94	25.8	30.0	27.0	15.6	7.0	26 marginals
10/13/05	12927	12928	11R12L	Nest	94	26.8	32.2	27.8	16.0	7.6	26 marginals, anomalous V5
10/13/05	12929		11R11L	Nest	94	27.2	32.5	28.8	15.3	7.7	
10/13/05	12930	12931	11R11L	Nest	94	27.6	31.9	28.1	15.5	7.7	
10/13/05	12932	12933	11R11L	Nest	94	27.2	31.5	28.5	16.0	7.6	
10/13/05	12935	12936	11R11L	Nest	94	26.2	32.0	28.0	15.1	7.3	anomalous V5, 26 marginals
10/13/05	12937		11R11L	Nest	94	28.0	32.3	27.7	15.6	7.6	13 right marginals
10/13/05	12939		11R11L	Nest	94	26.9	32.1	27.4	15.5	7.6	
10/13/05	12940	12941	11R11L	Nest	168	24.7	29.5	26.9	14.8	6.4	anomalous left costals
10/13/05	12942		11R11L	Nest	230	25.8	28.7	26.4	14.9	6.0	
10/13/05	12943	12944	11R11L	Nest	167	28.6	31.1	28.9	15.4	7.8	anomalous V5
10/13/05	12945	12946	11R11L	Nest	167	28.9	30.6	27.5	15.2	7.1	anomalous V5
10/13/05	12947		11R11L	Nest	167	27.2	30.5	27.0	13.6	6.3	
10/13/05	12948	12949	11R11L	Nest	167	28.1	29.5	26.6	14.5	6.5	anomalous V1, V5
10/13/05	12950		11R11L	Nest	167	28.3	30.4	27.5	15.0	7.0	
10/13/05	12952		11R11L	Nest	167	28.7	30.0	26.6	15.5	7.1	anomalous V3-V5, anomalous right costals
10/13/05	12953	12954	11R11L	Nest	158/57	28.9	32.3	28.5	15.8	7.9	
10/13/05	12955		11R11L	Nest	166	24.1	28.0	26.6	15.3	5.6	13 right marginals
10/13/05	12957		11R11L	Nest	166	25.6	29.3	26.7	15.2	5.6	
10/13/05	12958		11R11L	Nest	146	28.3	30.6	26.4	15.8	7.1	13 left marginals, anomalous V3,V5
10/13/05	12960		11R11L	Nest	190	29.6	33.5	29.5	16.8	8.3	anomalous V5
10/13/05	12963		11R11L	Nest	257	26.7	29.6	25.9	15.6	6.1	anomalous V2-V5, anomalous right costals
10/13/05	12965		11R11L	Nest	145	28.2	32.1	27.7	15.9	7.0	anomalous plastron, anomalous V5
10/13/05	12967	12966	11R11L	Nest	145	29.5	33.7	28.1	16.7	8.4	anomalous V5
10/13/05	12968		11R11L	Nest	139	26.2	29.8	26.5	15.8	6.6	
10/13/05	12970		11R11L	Nest	62	26.6	29.6	25.8	16.6	6.4	anomalous plastron, anomalous costals
10/13/05	12971	12972	11R11L	Nest	62	28.3	31.4	28.1	16.4	7.1	
10/13/05	12973		11R11L	Nest	62	27.0	30.6	27.4	15.8	6.9	
10/14/05	12976		11R11L	Nest	191	24.2	26.1	24.1	15.5	5.1	anomalous costals and V5
10/14/05	12978		11R11L	Nest	191	23.7	26.6	25.1	14.2	5.3	anomalous right costals and anomalous V2,V5
10/14/05	12980	12987	11R11L	Nest	191	28.6	30.2	28.1	17.6	8.1	anomalous costals
10/14/05	12981		11R11L	Nest	191	29.7	33.8	30.1	18.2	8.7	anomalous V5
10/14/05	12983		11R11L	Nest	191	30.2	31.7	29.6	17.5	8.5	anomalous costals
10/14/05	12984		11R11L	Nest	191	25.4	28.4	25.6	14.5	5.6	anomalous V3, V5, anomalous costals
10/14/05	12986		11R11L	Nest	19	25.7	29.0	26.8	15.1	6.4	anomalous V5
10/14/05	12988		11R11L	Nest		23.2	27.4	23.2	16.1	5.0	turtles right leg broke
10/17/05	12975		11R11L	Nest	90	27.9	30.9	26.9	16.1	6.9	13 marginals both sides, anomalous V5
10/18/05	12989		11R11L	Nest	90	28.0	32.1	28.9	16.5	7.6	anomalous V5
10/18/05	12991		11R11L	Nest	90	27.7	30.6	26.2	15.8	6.7	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

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Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
10/18/05	12992		11R11L	Nest	90	28.0	31.4	26.6	16.2	7.2	13 right marginals, anomalous V5
4/3/06	12994		11R11L	Nest	132	27.8	31.8	27.8	15.0	7.1	
4/3/06	12996		11R11L	Nest	132	28.6	30.8	28.9	16.0	7.4	
4/3/06	12997		11R11L	Nest	132	29.1	32.2	28.8	16.5	7.4	
4/3/06	12999		11R11L	Nest	132	29.8	32.4	28.2	17.3	8.4	
4/3/06	13001		11R11L	Nest	132	28.2	31.6	27.6	16.4	7.5	
4/3/06	13002	13003	11R11L	Nest	132	28.1	31.6	27.6	15.4	6.8	
4/3/06	13004		11R11L	Nest	132	29.0	33.0	28.6	16.1	8.1	
4/3/06	13006	13005	11R11L	Nest	132	28.2	32.5	29.0	15.7	8.1	Anomalous V5
4/3/06	13007		11R11L	Nest	132	30.0	32.2	28.4	16.2	7.8	
4/3/06	1R		11R11L	Nest	132	28.6	32.3	28.4	16.1	7.5	
4/3/06	13009		11R11L	Nest	132	27.9	32.7	28.2	17.2	8.2	
4/3/06	13010	13011	11R11L	Nest	132	27.8	31.5	28.5	15.6	7.1	
4/3/06	13012		11R11L	Nest	132	28.5	32.0	28.3	16.6	8.0	
4/3/06	13014		11R11L	Nest	172	27.9	33.0	28.3	16.8	8.3	Anomalous V5
4/3/06	13015	13016	11R11L	Nest	172	28.4	32.8	29.7	16.4	8.0	
4/3/06	2R		11R11L	Nest	172	28.7	33.6	29.6	16.6	8.5	
4/3/06	13017		11R11L	Nest	172	26.6	31.2	29.0	16.6	7.8	
4/3/06	13018	13019	11R11L	Nest	172	28.0	26.1	29.7	16.1	7.6	4 vertebrals, 22 marginals, missing V5
4/3/06	13020		11R11L	Nest	172	27.8	30.6	28.3	15.5	7.5	
4/3/06	13022		11R11L	Nest	109	26.7	30.5	25.8	15.4	6.7	Anomalous V4,V5
4/3/06	13023	13024	11R11L	Nest	109	26.0	30.5	26.2	14.7	6.4	
4/3/06	13025		11R11L	Nest	109	26.2	30.5	26.6	15.7	6.8	
4/3/06	13026	13027	11R11L	Nest	109	24.8	28.6	26.4	14.9	6.3	
4/3/06	13028		11R11L	Nest	109	26.2	29.8	26.4	15.2	6.4	Anomalous V5
4/3/06	13030		10R11L	Nest	109	26.2	30.9	26.6	15.1	6.5	
4/3/06	13031	13032	11R11L	Nest	109	25.7	30.1	26.7	14.9	6.8	anomalous V5, anomalous left costals
4/3/06	3R		11R11L	Nest	109	25.9	29.9	25.4	16.1	6.1	
4/3/06	13033		11R11L	Nest	109	26.9	29.5	26.6	15.3	6.3	
4/3/06	13035		11R11L	Nest	109	25.6	29.8	25.5	15.3	5.9	Anomalous vertebrals
4/3/06	13036	13037	11R11L	Nest	109	25.3	30.1	27.3	15.6	6.6	
4/3/06	13038		11R11L	Nest	109	27.0	30.2	26.7	16.5	6.8	
4/3/06	13040		11R11L	Nest	109	26.2	31.1	25.9	16.0	6.4	Anomalous V5
4/3/06	13041		11R11L	Nest	109	26.4	30.4	27.2	15.7	6.7	Anomalous V5
4/3/06	13043		11R11L	Nest	241	25.1	29.5	26.3	15.5	6.6	Anomalous V4, V5
4/3/06	13044	13045	11R11L	Nest	241	29.1	31.4	28.3	16.3	7.7	
4/3/06	8R		11R11L	Nest	241	27.5	30.4	26.3	15.5	6.9	
4/3/06	13046		11R11L	Nest	66	27.0	30.0	26.9	16.4	7.2	
4/3/06	13048		11R11L	Nest	66	27.9	31.7	28.7	16.7	8.2	

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
4/3/06	13049	13050	11R11L	Nest	66	27.8	31.6	28.0	16.6	7.9	
4/3/06	13051		11R11L	Nest	66	28.2	31.0	28.4	15.9	7.9	
4/3/06	13053		11R11L	Nest	66	28.4	31.7	28.8	16.6	8.2	
4/3/06	9R		11R11L	Nest	66	29.1	31.4	28.7	17.0	8.3	
4/3/06	13054		11R11L	Nest	66	27.8	31.4	28.6	16.9	7.8	22 marginals
4/3/06	13056		11R11L	Nest	66	29.0	31.6	29.0	17.0	8.3	
4/3/06	13057	13058	11R11L	Nest	112	28.2	32.0	27.4	17.0	8.1	
4/3/06	13059		11R11L	Nest	112	27.5	32.7	28.4	16.7	8.2	
4/3/06	13061		11R11L	Nest	112	27.7	32.0	30.0	15.8	8.1	
4/3/06	13062	13063	11R11L	Nest	112	28.5	31.6	27.3	17.1	8.0	13 right marginals
4/3/06	13064		11R11L	Nest	112	29.2	33.5	28.4	16.3	8.8	
4/3/06	13066	13065	11R11L	Nest	112	27.5	30.8	26.9	14.9	7.0	
4/3/06	10R		11R11L	Nest	112	29.0	34.1	28.4	16.8	8.4	
4/3/06	13067		11R11L	Nest	112	28.3	32.5	26.9	16.3	7.4	
4/3/06	13069		11R11L	Nest	112	28.7	31.4	28.3	15.2	7.6	
4/3/06	13070	13071	11R11L	Nest	112	28.0	31.5	26.3	16.3	7.9	
4/3/06	13072		11R11L	Nest	112	27.9	31.5	27.1	16.0	7.2	
4/3/06	13074		11R11L	Nest	112	29.1	32.1	27.7	17.7	8.2	
4/3/06	13075	13076	11R11L	Nest	112	28.9	31.9	28.3	16.5	7.8	
4/3/06	13077		11R11L	Nest	112	28.5	32.2	28.0	16.1	7.9	
4/3/06	13079		11R11L	Nest	112	28.6	32.5	26.6	16.7	7.2	
4/3/06	13080	13081	11R11L	Nest	133	29.6	32.9	28.5	18.3	9.2	
4/3/06	13082		11R11L	Nest	133	28.8	26.7	27.6	17.4	8.1	22 marginals, anomalous V5
4/3/06	13083	13084	11R11L	Nest	133	27.4	31.7	28.0	18.2	9.2	
4/3/06	13085		11R11L	Nest	133	27.9	32.7	28.4	16.5	8.2	
4/3/06	13087		11R11L	Nest	133	27.3	32.7	28.9	17.7	8.8	
4/3/06	13088	13089	11R11L	Nest	133	25.7	32.1	27.9	17.2	8.6	
4/3/06	13090		11R11L	Nest	133	28.3	33.0	28.7	17.4	8.6	
4/3/06	13092		11R11L	Nest	133	27.3	32.7	28.4	17.1	8.6	Anomalous V4,V5
4/3/06	13093	13094	11R11L	Nest	133	28.4	32.4	27.9	17.0	8.2	Anomalous V5
4/3/06	11R		11R11L	Nest	133	28.5	33.6	28.1	17.6	8.9	
4/3/06	13095		11R11L	Nest	224	26.5	30.6	28.3	17.2	7.7	Anomalous V5
4/3/06	13097		11R11L	Nest	224	27.1	32.0	28.3	15.7	6.9	Anomalous V5
4/3/06	13098		11R11L	Nest	224	28.1	30.9	28.3	17.4	7.4	
4/3/06	13100		11R11L	Nest	224	26.1	28.9	25.2	15.8	5.8	
4/3/06	12R		11R11L	Nest	224	28.7	31.3	25.9	16.1	7.2	Anomalous V5
4/3/06	13101	130102	11R11L	Nest	224	26.8	31.2	27.3	16.0	7.1	Anomalous V5
4/3/06	13103		11R11L	Nest	113	27.0	32.0	29.3	16.5	7.6	Anomalous V5
4/3/06	13105		11R11L	Nest	113	26.9	30.6	28.1	17.2	7.6	

## Appendix 2. PIERP 2005 Terrapin Hatchlings

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Date of		Notch		Method of	Nest	Plastron	Carapace				
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	Comments
4/3/06	13106	130107	11R11L	Nest	113	26.8	31.7	28.4	17.9	8.0	
4/3/06	13108		11R11L	Nest	113	25.5	31.0	28.1	16.2	7.1	
4/3/06	13110		11R11L	Nest	113	28.0	31.5	28.0	17.1	7.5	
4/3/06	13111		11R11L	Nest	113	28.8	31.4	28.9	18.1	8.1	
4/3/06	13113		11R11L	Nest	113	25.5	30.4	26.9	17.3	6.7	
4/3/06	13114	130115	11R11L	Nest	113	28.6	33.0	27.5	17.3	8.1	
4/3/06	13116		11R11L	Nest	113	27.0	30.3	27.6	16.7	7.4	
4/3/06	1L		11R11L	Nest	113	28.8	33.3	28.5	17.6	8.1	
4/3/06	13118		11R11L	Nest	113	26.7	31.9	29.4	17.7	8.2	
4/3/06	13119	130120	11R11L	Nest	113	27.8	31.4	29.6	17.9	8.1	
4/3/06	13126		11R11L	Nest	113	26.5	30.0	28.0	17.1	7.0	
4/3/06	13123		11R11L	Nest	113	27.3	31.3	28.4	17.5	8.0	
4/3/06	13124	13125	11R11L	Nest	113	28.1	31.8	27.8	17.7	7.9	
4/3/06	13127	13128	11R11L	Nest	193	28.4	30.6	27.9	15.8	7.4	
4/3/06	2L		11R11L	Nest	193	27.1	31.6	29.4	17.9	7.7	
4/3/06	13129		11R11L	Nest	92	29.4	33.0	29.3	16.2	8.2	
4/3/06	13131		11R11L	Nest	92	29.0	33.3	28.8	16.2	8.2	
4/3/06	13132	13133	11R11L	Nest	92	27.7	31.5	28.5	16.3	7.4	
4/3/06	13134		11R11L	Nest	92	26.9	31.0	28.9	15.8	7.4	
4/3/06	13136		11R11L	Nest	92	28.9	33.6	29.7	17.1	8.6	
4/3/06	13137	13138	11R11L	Nest	92	29.5	32.8	28.8	17.3	8.3	
4/3/06	3L		11R11L	Nest	92	29.9	33.5	29.2	15.3	7.5	
4/3/06	131139		11R11L	Nest	92	28.3	32.1	28.7	16.4	7.4	
4/3/06	131141		11R11L	Nest	92	28.6	32.4	28.2	15.6	7.4	
4/3/06	131142		11R11L	Nest	92	27.6	31.9	28.7	15.7	7.4	
4/3/06	131144		11R11L	Nest	92	28.8	32.6	29.2	16.3	8.0	
4/3/06	131146	8L	11R11L	Nest	13	23.6	27.7	23.8	15.8	5.0	
4/3/06	8L		11R11L	Nest	13	22.2	25.9	22.4	15.3	4.9	
4/3/06	13147		11R11L	Nest	56	26.8	30.9	26.5	16.6	6.7	
4/3/06	13149		11R11L	Nest	56	26.7	31.3	27.7	16.0	7.0	
4/3/06	13150	13151	11R11L	Nest	56	26.4	30.7	27.9	15.4	6.5	
4/3/06	13152		11R11L	Nest	56	26.7	30.3	26.3	16.0	6.9	
4/3/06	13154		11R11L	Nest	56	25.0	29.0	25.1	15.9	6.2	
4/3/06	9L		11R11L	Nest	56	27.0	29.9	26.3	15.8	6.7	
4/3/06	13155		11R11L	Nest	253	21.7	25.8	22.3	14.5	4.1	
4/3/06	13157		11R11L	Nest	215	26.9	30.7	27.8	17.0	7.0	
4/3/06	13158		11R11L	Nest	126	25.4	29.1	26.3	16.0	6.7	
4/3/06	13159		11R11L	Nest	126	26.1	29.4	24.5	16.1	6.4	Anomalous V5
4/3/06	13160	1362(?)	11R11L	Nest	126	23.1	27.4	22.4	15.2	5.2	tags possibly off a bit

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
4/3/06	10L		11R11L	Nest	215	27.4	30.1	27.2	16.8	6.7	
4/3/06	13163	13164	11R11L	Nest	126	25.4	28.8	25.2	15.8	6.0	
4/3/06	13165		11R11L	Nest	258	22.8	25.2	24.0	13.9	4.4	Anomalous V5
4/3/06	13167		11R11L	Nest	37	29.4	33.5	29.1	16.9	8.0	
4/3/06	13168	13169	11R11L	Nest	37	29.7	33.9	30.5	16.2	8.0	
4/3/06	13170		11R11L	Nest	37	28.9	33.5	29.7	16.3	8.2	
4/3/06	13171	13172	11R11L	Nest	37	29.0	33.8	29.4	16.4	8.2	
4/3/06	11L		11R11L	Nest	37	28.6	33.7	30.2	16.5	8.2	
4/3/06	13173		11R11L	Nest	37	29.4	34.3	30.5	16.7	8.7	
4/3/06	13175		11R11L	Nest	37	28.9	33.1	30.5	16.9	8.7	
4/3/06	13176	13177	11R11L	Nest	37	29.7	34.9	30.7	16.9	8.9	
4/3/06	13178		11R11L	Nest	118	27.7	30.9	26.4	15.8	7.3	
4/3/06	13180		11R11L	Nest	118	27.9	30.7	27.9	17.6	8.5	22 marginals
4/3/06	13181	13182	11R11L	Nest	118	27.0	29.8	27.7	17.0	7.5	
4/3/06	13183		11R11L	Nest	118	27.5	30.7	28.4	16.5	7.5	
4/3/06	13184	13185	11R11L	Nest	118	27.2	30.5	27.2	17.0	7.3	
4/3/06	13186		11R11L	Nest	118	27.7	30.6	27.6	16.5	7.7	
4/3/06	13188		11R11L	Nest	118	29.2	32.2	29.2	16.6	8.3	
4/3/06	13189	13190	11R11L	Nest	118	27.2	26.6	28.0	16.1	7.2	
4/3/06	13191		11R11L	Nest	118	28.4	31.4	27.1	16.5	7.7	
4/3/06	12L		11R11L	Nest	118	27.6	30.8	27.6	16.2	7.3	
4/3/06	13193		11R11L	Nest	118	25.9	28.5	25.5	15.8	6.7	
4/3/06	13194	13195	11R11L	Nest	118	26.8	29.2	27.1	15.7	6.8	
4/3/06	13196		11R11L	Nest	118	27.6	31.3	27.2	17.4	7.4	
4/3/06	13197	13198	11R11L	Nest	118	28.8	31.8	28.8	17.1	8.2	
4/3/06	13199		11R11L	Nest	80	28.1	31.6	28.6	16.4	7.2	
4/3/06	13201		11R11L	Nest	80	27.9	31.1	27.0	16.1	7.3	
4/3/06	13202	13203	11R11L	Nest	80	28.6	33.5	29.5	16.7	8.7	
4/3/06	13204		11R11L	Nest	80	28.0	31.8	28.7	15.8	7.5	
4/3/06	1R1L		11R11L	Nest	80	29.2	33.5	28.9	16.2	7.8	
4/3/06	13206		11R11L	Nest	80	29.3	32.8	28.8	15.8	7.3	
4/3/06	13207	13208	11R11L	Nest	80	27.7	32.2	28.3	15.3	7.0	
4/3/06	13209		11R11L	Nest	80	28.1	33.2	29.7	15.8	7.6	
4/3/06	13210	13211	11R11L	Nest	259	26.3	29.0	26.2	16.4	6.0	
4/3/06	13212		11R11L	Nest	259	28.1	31.1	29.0	16.8	7.6	
4/3/06	13214		11R11L	Nest	259	27.8	31.8	29.4	17.1	8.2	
4/3/06	13215	13216	11R11L	Nest	259	22.9	25.4	24.3	14.9	4.7	
4/3/06	13217		11R11L	Nest	259	25.0	28.3	28.3	16.2	6.7	
4/3/06	1R2L		11R11L	Nest	259	29.0	30.9	28.6	16.4	7.2	

Date of		Notch		Method of	Nest	Plastron		Carapace			Comments
Emergence	ID1	ID2	ID	Capture	Number	Length	Length	Width	Height	Mass	
4/3/06	13219		11R11L	Nest	54	27.0	31.5	28.7	16.6	7.6	
4/3/06	13220	13221	11R11L	Nest	157	28.7	31.7	28.6	17.6	8.2	
4/3/06	13222		11R11L	Nest	157	29.1	31.1	28.9	15.7	7.4	
4/3/06	13224		11R11L	Nest	157	27.7	31.9	27.6	17.2	7.5	
4/3/06	13225		11R11L	Nest	40	28.3	30.0	28.7	16.3	7.1	
3/30/06	13227		11R11L	Nest	37	28.0	31.3	27.2	16.2	7.3	
3/30/06	13229		11R11L	Nest	37	27.7	32.2	27.7	15.8	7.1	
3/30/06	13230		11R11L	Nest	37	27.9	33.7	29.4	16.7	8.2	
3/30/06	13232		11R11L	Nest	40	27.2	32.3	28.3	16.8	7.4	Anomalous V5
3/30/06	13234	13235	11R11L	Nest	40	30.7	34.6	30.1	16.7	9.3	

## Appendix 3. PIERP 2005 Females and Juvenile Terrapins

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Date	PIT or CWT ID	Notch		Sex	Plastron Length	Carapace Length	Width	Mass	Right		Date		Method		COMMENTS	
		or Tag	Time						Pectoral	Height	of Birth	RC	of Capture	Location		
23-May-05	69870/69871			J	28.8	33.3	28.7	7.7	3.7	15.8	2004		Hand	Cell 5		
6-Jun-05	69869	9R10L	1030	J	24.8	27.7	25.7	5.6	3.9	15.2	2004		Dug	Cell 5	Indented 1L, indented plastron	
6-Jun-05	69872	9R10L	1030	J	25.0	29.6	27.2	6.0	4.1	14.8	2004		Dug	Cell 5		
8-Jun-05	1R9R	PI0013	1010	F	195	214	171	1679	29.0				Yes	Hand	Cell 5	Damage on carapace along right side of vertebrals, could not read pit tag
8-Jun-05	451E527717	PI0011	1100	F	204	223	171	1787	34.3				Yes	Hand	Cell 3	
10-Jun-05	451E44785B	PI0014		F	195	226	177	1685	30.0				Yes	Hand	Cell 3	
13-Jun-05	69877	9R10L		J	29.5	35.3	29.3	10.5	4.8	17.8	2004		Headstart			
13-Jun-05				J	27.1	32.6	28.6	8.8	3.9	16.9	2004		Headstart			
16-Jun-05	69367	9R10L		J	28.2	31.0	27.7	6.6	4.4	15.1	2004		Headstart			
16-Jun-05	69882	9R10L		J	29.7	35.6	30.4	10.5	5.2	18.3	2004		Headstart		Underbite	
16-Jun-05	69875	9R10L		J	27.9	32.5	27.6	7.7	4.0	15.9	2004		Headstart			
16-Jun-05	69879/69878	9R10L		J	29.6	35.9	30.1	10.8	5.0	18.5	2004		Headstart			
16-Jun-05	69821/69820	9R10L		J	29.3	35.5	30.5	9.4	4.7	16.8	2004		Headstart			
16-Jun-05	69917	9R10L		J	27.2	32.1	27.0	6.3	4.2	16.1	2004		Headstart		Anomalous V5	
16-Jun-05	69914	9R10L		J	26.2	30.0	26.6	6.2	3.7	15.7	2004		Headstart		Anomalous nuchal	
16-Jun-05	69913/69912	9R10L		J	29.8	32.9	28.1	7.8	5.2	16.1	2004		Headstart		Anomalous V5	
16-Jun-05	69911	9R10L		J	25.9	31.2	25.5	6.3	3.5	15.9	2004		Headstart			
16-Jun-05	69909	9R10L		J	27.8	32.9	27.7	7.6	4.5	16.6	2004		Headstart			
16-Jun-05	69908	9R10L		J	29.2	36.6	31.5	11.5	4.3	20.0	2004		Headstart		Anomalous nuchal	
16-Jun-05	69906	9R10L		J	28.2	33.9	28.3	8.3	3.8	16.3	2004		Headstart			
16-Jun-05	69905/69904	9R10L		J	29.3	35.5	29.3	8.4	4.6	16.1	2004		Headstart		Anomalous V5	
16-Jun-05	69903	9R10L		J	30.2	36.0	31.2	10.6	4.6	17.2	2004		Headstart			
16-Jun-05	69899/69900	9R10L		J	26.8	32.7	28.6	7.9	4.0	18.0	2004		Headstart			
16-Jun-05	69897/69898	9R10L		J	29.1	34.6	27.7	8.7	4.6	17.6	2004		Headstart			
16-Jun-05	69895	9R10L		J	28.1	34.2	27.7	7.7	3.6	15.4	2004		Headstart			
16-Jun-05	69893	9R10L		J	27.3	32.2	28.4	8.7	4.7	17.2	2004		Headstart		Anomalous V1, V5	
16-Jun-05	69890	9R10L		J	29.4	34.6	27.4	8.2	4.1	16.7	2004		Headstart			
16-Jun-05	69874	9R10L		J	30.0	34.9	30.5	10.4	5.0	16.9	2004		Headstart			
16-Jun-05	69916	9R10L		J	28.5	32.7	27.2	7.4	4.3	16.1	2004		Headstart		Anomalous vertebrals, 13 marginals on both sides	
16-Jun-05	693__	9R10L		J	36.4	42.6	35.3	15.1	5.9	29.8	2004		Headstart			
16-Jun-05	69901	9R10L		J	35.4	45.0	38.4	16.2	5.2	19.2	2004		Headstart			
27-Jun-05	451E527717												Hand			
29-Jun-05	45194B024A	PI0015	1400	F	200	224	178	62.9	32.0				Yes	Hand	Cell 3B	
30-Jun-05	451F771411	PI0016	1000	F	213	237	185	76.2	29.0				No	Hand	Road by 1A	Damage to tail
6-Jul-05	4516373124	PI0017	1430	F	193	217	177	1636	30.0				No	Hand	East 6	Caught after laying eggs
7-Jul-05	45183A763E	PI0018	930	F	198	212	181	1717	24.0				Yes	Hand	1 road	Anomalous vertebrals

## Appendix 3. PIERP 2005 Females and Juvenile Terrapins

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Date	PIT or CWT ID	Notch or Tag	Time	Sex	Plastron Length	Carapace Length	Width	Mass	Right Pectoral	Height	Date of Birth	RC	Method of Capture	Location	COMMENTS
12-Jul-05	451E766651	PI0019	1100	F	94.0	117	168	1613	29.0			Yes	Hand	3A	
19-Jul-05	451E4C7C16	PI0021	1100	F	200	222	172	1659	29.0			Yes	Hand	Notch	
1-Sep-05	451E7F4D4B	11R11L		J	36.1	44.3	35.6	12.5		18.7	2004		Hand		2 years old, pit tag in body cavity on right side, 2 marginals, Anomalous V5
20-Sep-05	451E7F2352	11R11L		J	56.0	65.7	56.0	90.4		28.8			Hand		found inside cell 3, unknown sex



## Appendix 4: Arlington Echo headstart terrapins

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Day	Month	Year	Notch ID	PIT Tag ID	Sex	PL	CL	Width	Height	Mass	RP	DOB	Comments
3	May	2006	11R1L11L	474F7B1943	F	86	99	86	44	193	12	2005	
3	May	2006	10R11R11L	474C225315	J	62	71	63	33	76	10	2005	
3	May	2006	2R11R11L	47534A074A	J	76	88	72	40	128	13	2005	
3	May	2006	1R11R11L	475233662E	M	56	66	52	24	94	10	2005	
3	May	2006	3R11R11L	474F433D76	J	60	69	58	33	72	9	2005	
3	May	2006	9R11R11L	474F7A1CGE	F	77	89	76	41	139	12	2005	
3	May	2006	3R11R11L	474F24153A	M	72	80	67	38	104	11	2005	
3	May	2006	8R11R11L	47522C011D	J	56	65	53	30	56	9	2005	
3	May	2006	1R11R11L	474F53501F	J	55	64	55	30	53	7	2005	
3	May	2006	1R11R11L	474C076C2C	J	59	68	54	31	54	8	2005	
3	May	2006	11R3R11L	474D592672	F	83	88	81	38	147	15	2005	
3	May	2006	8R11R11L	47521A4340	J	67	78	66	34	93	9	2005	anomyous left costal
3	May	2006	11R10L11L	474F287022	F	73	87	73	38	127	12	2005	
3	May	2006	11R8L11L	474F516F4E	J	69	79	65	37	93	10	2005	
3	May	2006	2R11R11L	47506D787E	J	51	60	47	28	42	9	2005	
3	May	2006	11R8L11L	474D671371	J	72	84	70	38	109	11	2005	
3	May	2006	9R11L11L	4749172750	F	88	99	82	42	172	16	2005	
3	May	2006	11R1L11L	4750190C76	F	90	100	85	41	189	12	2005	Anomyous V4 V5
3	May	2006	9R11R11L	474C736A14	F	71	84	69	36	105	12	2005	Anomyous V5
3	May	2006	8R11R11L	474C303D0C	J	62	74	64	35	87	9	2005	
3	May	2006	9R11R11L	474C5D7033	J	76	88	73	40	115	13	2005	15 margin Anomyous V5
3	May	2006	11R10L11L	474F31354D	J	64	74	64	34	79	10	2005	Anomyous V5, RC
3	May	2006	11R10L11L	474F311912	J	59	67	57	31	63	9	2005	
3	May	2006	8R11R11L	474F4F0B7E	J	76	87	69	38	117	12	2005	
3	May	2006	11R2L11L	474D3B3110	J	67	77	65	34	87	11	2005	26
3	May	2006	11R12R11L	4752410310	J	56	65	54	29	50	8	2005	Pit on LF
3	May	2006	9R11R11L	474C463844	J	61	72	59	31	71	8	2005	
3	May	2006	3R11R11L	474F71706C	J	63	74	59	32	77	11	2005	
3	May	2006	11R8L11L	474F777A75	J	57	67	55	31	62	9	2005	
3	May	2006	1R11R11L	4754092019	J	63	74	60	32	77	8	2005	
3	May	2006	11R10L11L	47531C5F6D	J	73	84	70	38	109	12	2005	
3	May	2006	11R1211L	474D615E1C	J	56	67	54	29	50	8	2005	
3	May	2006	2R11R11L	47491A682D	J	63	74	63	33	80	10	2005	
9	May	2006	1R11R11L	4754070185	M	62	71	59	27	88	9	2005	
9	May	2006	11R3L11L	474F3D2934	F	69	63	64	30	68	9	2005	
9	May	2006	8R11R11L	47491C7369	M	61	71	58	32	74	11	2005	
9	May	2006	1R11L12L	474F637C3B	M	75	87	74	37	135	9	2005	
9	May	2006	3R11R11L	474D4D5F73	M	69	79	67	37	122	9	2005	
9	May	2006	1R11R11L	474F2A1F74	F	71	83	67	34	99	10	2005	
9	May	2006	3R11R11L	474F4D7278	J	51	61	45	19	71	10	2005	
9	May	2006	11R2L11L	474F5E4B7F	F	90	103	85	41	186	14	2005	

## Appendix 4: Arlington Echo headstart terrapins

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Day	Month	Year	Notch ID	PIT Tag ID	Sex	PL	CL	Width	Height	Mass	RP	DOB	Comments
9	May	2006	11R12R11L	475233670D	M	60	69	57	30	62	10	2005	
9	May	2006	11R12R11L	474D6C6165	M	56	64	54	28	55	9	2005	
9	May	2006	11R12R11L	474F7C4C02	M	54	61	48	23	54	8	2005	
9	May	2006	10R11L11R	475349316A	F	59	71	60	27	92	8	2005	
9	May	2006	11R12R11L	4750682027	M	56	67	53	25	88	9	2005	
9	May	2006	1R11R11L	474C7E102D	M	63	73	59	32	70	10	2005	
9	May	2006	2R11R11L	474E066130	M	66	74	61	33	78	10	2005	
9	May	2006	2R11R11L	4750192510	F	79	92	75	45	135	14	2005	
9	May	2006	10R11R11L	474F691B7C	M	63	72	60	34	83	10	2005	
9	May	2006	11R1L11L	474F7D561A	F	63	72	62	31	86	10	2005	
9	May	2006	3R11R11L	474F55065D	M	59	67	55	31	59	11	2005	
9	May	2006	10R11L11L	47463F681A	M	77	88	75	38	133	10	2005	
11	May	2006	8R11R11L	4753763400	F	77	87	73	38	117		2005	
11	May	2006	1R11R11L	474D4114B4	M	77	85	73	37	120		2005	
11	May	2006	11R10L11L	474C43047D	F	75	84	71	38	120		2005	
11	May	2006	9L11L11R	4748714BDF	M	75	85	71	39	123		2005	
11	May	2006	3R11R11L	4753246831	F	71	84	72	38	128		2005	
11	May	2006	10R11R11L	474D633E01	M	54	62	52	28	49		2005	
11	May	2006	10R11R11L	4753750719	F	74	85	72	41	120		2005	
11	May	2006	9L11R11L	474F631A6F	M	67	77	59	34	82		2005	
11	May	2006	3L11R11L	474F2A1425	F	73	82	68	38	102		2005	
11	May	2006	3L11R11L	4753336822	J	79	88	73	38	131		2005	
11	May	2006	8L11R11L	4749177737	F	80	92	73	40	138		2005	
11	May	2006	8L11R11L	47491E7A6B	F	80	91	72	39	132		2005	
11	May	2006	3R11R11L	474D502631	F	57	66	53	30	56		2005	
11	May	2006	8R11R11L	47500D7808	F	56	65	50	29	53		2005	
11	May	2006	3L11R11L	474C4B604A	F	74	85	69	38	118		2005	
11	May	2006	3L11R11L	474F474847	F	68	75	68	36	98	11	2005	
11	May	2006	9L11R11L	474E704559	F	67	77	64	34	91		2005	
11	May	2006	10R11R11L	4754105032	F	75	88	76	38	136	10	2005	
11	May	2006	3L11R11L	474F6D4B77	F	54	60	53	28	50		2005	
11	May	2006	9L11R11L	474C501B57	F	93	103	83	42	188	15	2005	
11	May	2006	8L11R11L	474F254224	F	46	78	34	30	61	10	2005	
16	May	2006	11R9L11L	474D576A6B	F	102	119	94	48	285	13	2005	
16	May	2006	11R8L11L	4753434B2C	F	104	117	93	50	298	19	2005	
16	May	2006	11R1R11L	4748725053	M	88	102	83	42	179	12	2005	
16	May	2006	11R9L11L	4748775D34	F	90	101	85	45	193	15	2005	
16	May	2006	11R3L11L	47532C4E4B	M	86	98	78	40	162	14	2005	
16	May	2006	11R3L11L	474F4FE7328	F	74	85	72	38	119	12	2005	
16	May	2006	11R2L11R	475337625C	M	65	74	59	32	76	11	2005	
16	May	2006	8R11L11R	474E125D71	F	90	102	83	45	217	12	2005	

## Appendix 4: Arlington Echo headstart terrapins

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Day	Month	Year	Notch ID	PIT Tag ID	Sex	PL	CL	Width	Height	Mass	RP	DOB	Comments
16	May	2006	11R3L11L	47501A526A	J	60	67	55	31	61	9	2005	
16	May	2006	11R2L11L	474D65107E	F	62	71	59	34	71	9	2005	
16	May	2006	11R12R11L	4753285265	M	59	67	58	33	64	10	2005	
16	May	2006	11R9L11L	475014613L	F	65	74	60	36	76	11	2005	
16	May	2006	9R11R11L	47531D127F	F	76	88	72	42	113	11	2005	
16	May	2006	11R12R11L	475243197B	F	62	72	61	34	71	9	2005	
16	May	2006	11R9L11L	474E0F5F66	M	72	82	65	36	99	10	2005	
16	May	2006	11R9L11L	4752410233	M	63	72	57	34	78	9	2005	
16	May	2006	9R11R11L	47534B59311	M	59	69	57	30	63	10	2005	
16	May	2006	11R10L11L	4749157C61	F	72	83	71	38	117	11	2005	
16	May	2006	9R11R11L	4751113C38	M	60	70	58	32	68	10	2005	
16	May	2006	8R11R11L	47534C167C	M	81	90	78	42	148	11	2005	
16	May	2006	10R11R11L	4753677A69	F	84	97	83	42	180	10	2005	
16	May	2006	11R1L11L	4752410310	F	74	85	70	35	114	11	2005	
16	May	2006	11R9L11L	474F32462D	F	89	100	81	42	176	14	2005	
16	May	2006	11R10L11L	474F605A63	F	77	88	72	38	119	13	2005	
16	May	2006	11R8L11L	474D6B303E	F	56	64	53	29	54	8	2005	AE/HA
16	May	2006	11R8R11L	474D706366	F	88	97	78	43	169	16	2005	
16	May	2006	11R3L11L	47524C5455	F	77	85	71	36	131	12	2005	Large