

AMERICAN OYSTERCATCHER (*Haematopus palliatus*) MONITORING AT
CAPE LOOKOUT NATIONAL SEASHORE

2007 SUMMARY REPORT



Prepared by:
Jon Altman
NATIONAL PARK SERVICE
CAPE LOOKOUT NATIONAL SEASHORE
131 CHARLES STREET
HARKERS ISLAND, NC 28531

Introduction

American Oystercatchers are common nesters throughout the park, primarily on the ocean beach. They are listed as a 'Bird of Conservation Concern' on the southeast coastal plain. Their choice of nesting habitat makes them particularly vulnerable to disturbance by park visitors and off-road vehicles.

Monitoring of American Oystercatcher nesting at Cape Lookout National Seashore (CALO) began in 1995. A researcher from Duke University studied nesting on South Core Banks and found low reproductive success. She also documented chick mortality caused by off-road vehicles. Since 1997 researchers from N. C. State University and park staff have conducted censuses, monitored nesting success and banded birds in the park.

Site Description

Cape Lookout National Seashore is located in the southern Outer Banks of North Carolina between Beaufort and Ocracoke Inlets. The park is currently divided into five barrier islands. The northernmost island, North Core Banks (NCB) is approximately 19 miles long, extending from Ocracoke Inlet to Old Drum Inlet. From Old Drum Inlet to New Drum Inlet is a 3-mile long island of land formerly connected to NCB known unofficially as Middle Core Banks (MCB). In 2005 an inlet formed during Hurricane Ophelia creating a $\frac{3}{4}$ mile long island south of New Drum Inlet known as Ophelia Island (OI). South Core Banks (SCB) extends southward from Ophelia Inlet almost 25 miles to Barden Inlet. The Core Banks have a northeast to southwest orientation and exhibit a low profile landscape. The fifth island, Shackleford Banks (SH) is 9 miles long and has an east-west orientation with a higher dune system and larger areas of vegetation. All islands in the park are subject to constant and dramatic change by the actions of wind and waves.

Methods

Weekly surveys of nesting habitat on Core Banks began in April. Nesting on North Core Banks and South Core Banks was monitored 7 days a week from April 9 to the end of the nesting season. Surveys of Shackleford Banks, Ophelia Island, and Middle Core Banks were made an average of once a week beginning in early May.

The area around the nest was closed with "Bird Sanctuary" signs if the nest was in danger of being run over by off-road vehicles. Generally, nests found in the dunes were not posted. There was concern that predators might learn to associate posts with nests. Nest locations were marked with either a stake or objects like sticks or shells to facilitate follow up checks.

The locations of the nests were recorded using a GPS and the park's mile marker system. Information about the habitat type was also noted. If one or both adults were banded, that information was recorded on the nest data sheet (Appendix 2).

Nests were checked regularly to monitor the status of incubation and document losses. Immediately at the time of hatch, the ocean beach in that area was closed to vehicles with traffic routed to the backroad. In areas north of Ramp 9 (where there is no backroad), signs warning of the presence of flightless chicks and reducing the speed limit to 15mph were placed on the beach. Chicks were monitored daily until they fledged or were lost. Most chicks on North Core Banks were monitored using radio transmitters.

Results

Sixty one pairs of American oystercatchers nested at CALO (Table 1). Counts were for pairs on or near the ocean beach and did not include marsh islands.

Table 1. American Oystercatcher Nesting Pairs- 2007

| | |
|-------------------|----------|
| North Core Banks | 17 pairs |
| Middle Core Banks | 11 pairs |
| Ophelia Inlet | 2 pairs |
| South Core Banks | 21 pairs |
| Shackleford Banks | 10 pairs |

Nesting pairs were spread throughout most of the ocean beach habitat in the park (Figures 1, 2 & 3). The birds did not use areas adjacent to buildings and concentrations of people.

Hatch Success

99 nests were found of which 21 hatched at least one egg. Thirty one chicks were known to survive to fledge (Table 2). Of the nests that failed, 37 nests failed due to unknown causes, 25 were lost during storms, 13 were lost to predation, 2 lost to human disturbance and 1 abandoned (Table 3). Raccoons (12) and one cat were found to be the main predators of oystercatcher eggs. Individual nest data are found in Appendix 1.

Table 2. Oystercatcher Nesting by Island 2007

| Island | # pairs | #Nests | # Nests Hatched | # Chicks Fledged |
|-------------------|---------|--------|-----------------|------------------|
| North Core Banks | 17 | 32 | 8 | 14 |
| Middle Core Banks | 11 | 11 | 7 | 10 |
| Ophelia Island | 2 | 3 | 2 | 3 |
| South Core Banks | 21 | 41 | 4 | 4 |
| Shackleford Banks | 10 | 12 | 0 | 0 |
| CALO Total | 61 | 99 | 21 | 31 |

Table 3. Causes of Nest Failure

| Island | Predation | Flooding/ Storms | Human Disturbance | Abandoned | Unknown |
|-------------------|------------------|-----------------------------|------------------------------|------------------|----------------|
| North Core Banks | 5 | 12 | 0 | 0 | 7 |
| Middle Core Banks | 2 | 0 | 0 | 0 | 2 |
| Ophelia Island | 0 | 1 | 0 | 0 | 0 |
| South Core Banks | 6 | 10 | 1 | 1 | 20 |
| Shackleford Banks | 0 | 2 | 1 | 0 | 8 |
| CALO total | 13 | 25 | 2 | 1 | 37 |

Table 4. Summary of Oystercatcher Reproductive Success Data

| Year | Island | #Nests | #Nests Hatched | #Chicks fledged |
|-------------|--------------------------|---------------|---------------------------|----------------------------|
| 1995 | South Core Banks | 36 | 10 (28%) | 7 |
| 1997 | South Core Banks | 34 | 4 (12%) | 2 |
| 1998 | North & South Core Banks | 98 | 12 (12%) | 6 |
| 1999 | North & South Core Banks | 114 | 16 (14%) | 6 |
| 2000 | North & South Core Banks | 75 | 25 (33%) | 9 |
| 2001 | North & South Core Banks | 109 | 19 (17%) | 1 |
| 2002 | North & South Core Banks | 90 | 10 (11%) | 6 |
| 2003 | Cape Lookout N. S. | 106 | 17 (16%) | 8 |
| 2004 | Cape Lookout N. S. | 68 | 37 (54%) | 45 |
| 2005 | Cape Lookout N.S. | 65 | 26 (40%) | 18 |
| 2006 | Cape Lookout N.S. | 69 | 23 (33%) | 25 |
| 2007 | Cape Lookout N.S. | 99 | 21(21%) | 31 |
| All | | 963 | 220 (23%) | 164 |

Banding

Two adult birds and 14 chicks were captured and banded in the park. Details on oystercatcher band combinations can be found at the website:

www4.ncsu.edu/unity/users/s/simons/www/AMOY%20Banding.htm

Radio transmitters were placed on 16 chicks on North Core Banks.

Discussion

Hatch rates in 2007 were vastly different in each area of the park. Hatch success rates were 25% on North Core Banks, 64% on Middle Core Banks, 67% on Ophelia Island, 10% on South Core Banks and 0% on Shackleford Banks. Predators and flooding were the known causes of some nest losses. Sub-Tropical storm Andrea in early May and Tropical Storm Barry in June caused the majority of flood losses. The cause of failure for 37 nests was unknown. There were two human disturbance related nest failures. One on South Core Banks (nest 21) was due to campers and a clean up crew picking up styrofoam in the dunes and staging near a nest site. This clean up effort took place throughout the seashore after Sub-Tropical storm Andrea washed in a large amount of styrofoam. The other disturbance related nest lost took place on the west end of Shackleford Banks at Beaufort Inlet (nest 6). This is a busy area as the water taxis and other boaters land here. The nest site was posted and upon return the next week one sign was missing and there were multiple pedestrian tracks in the closed area. Fledging success in the park was 0.51 chicks per nesting pair with large variance by island. Fledgling success rates were 0.82 on NCB, 0.90 on MCB, 1.5 on OI, 0.19 on SCB, and 0.0 on SH. The use of radio transmitters aided in the determination of the causes of mortality in chicks.

No incidences of chick mortality due to vehicles were documented. In areas with a backroad system, the ocean beach was closed to vehicles when unfledged oystercatcher chicks were present. Off-road vehicle traffic was routed to the backroad via the nearest ramps. In areas without a backroad, signs advising visitors that chicks were in the area and limiting speeds to 15 mph were posted.

Figure 1.

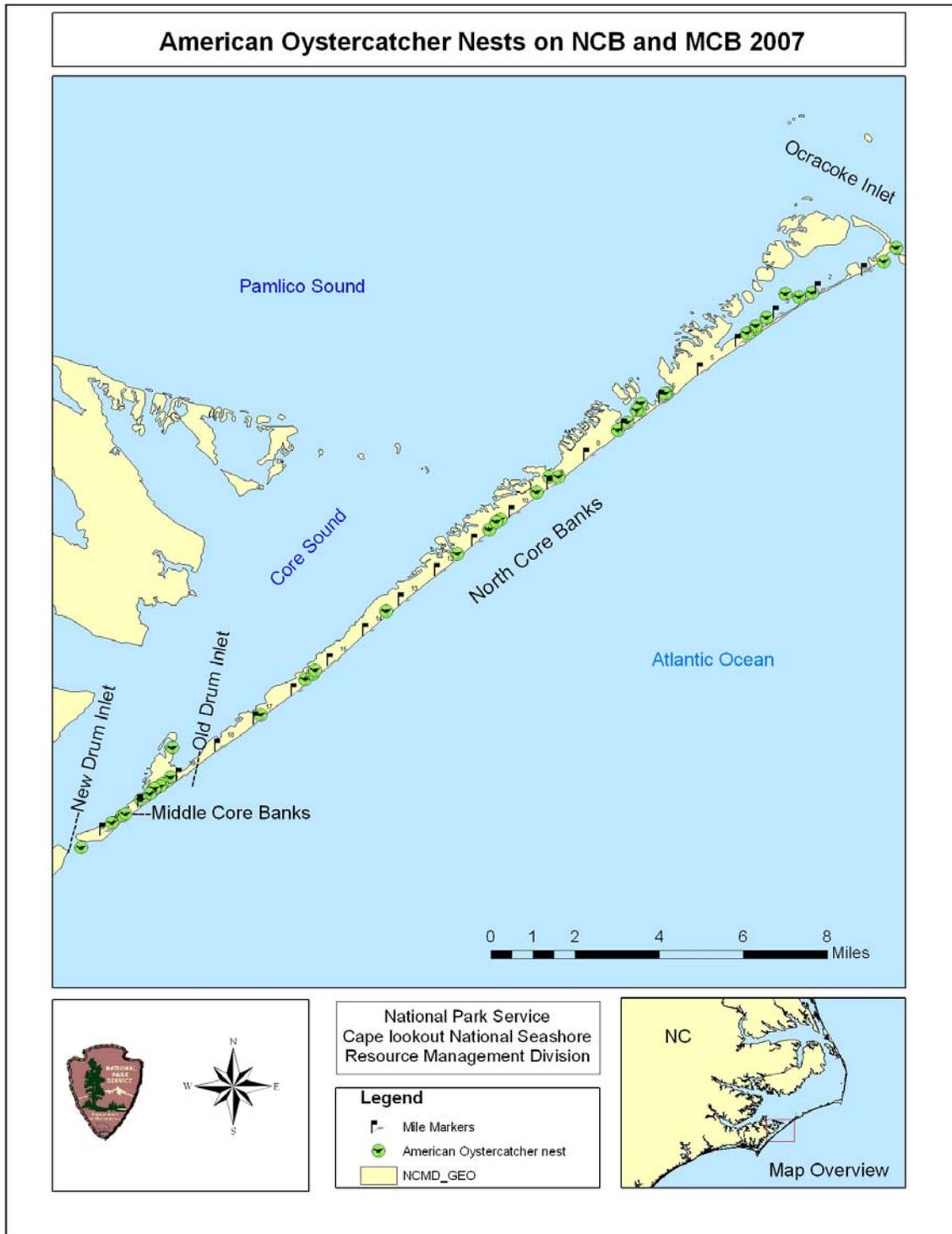


Figure 2.

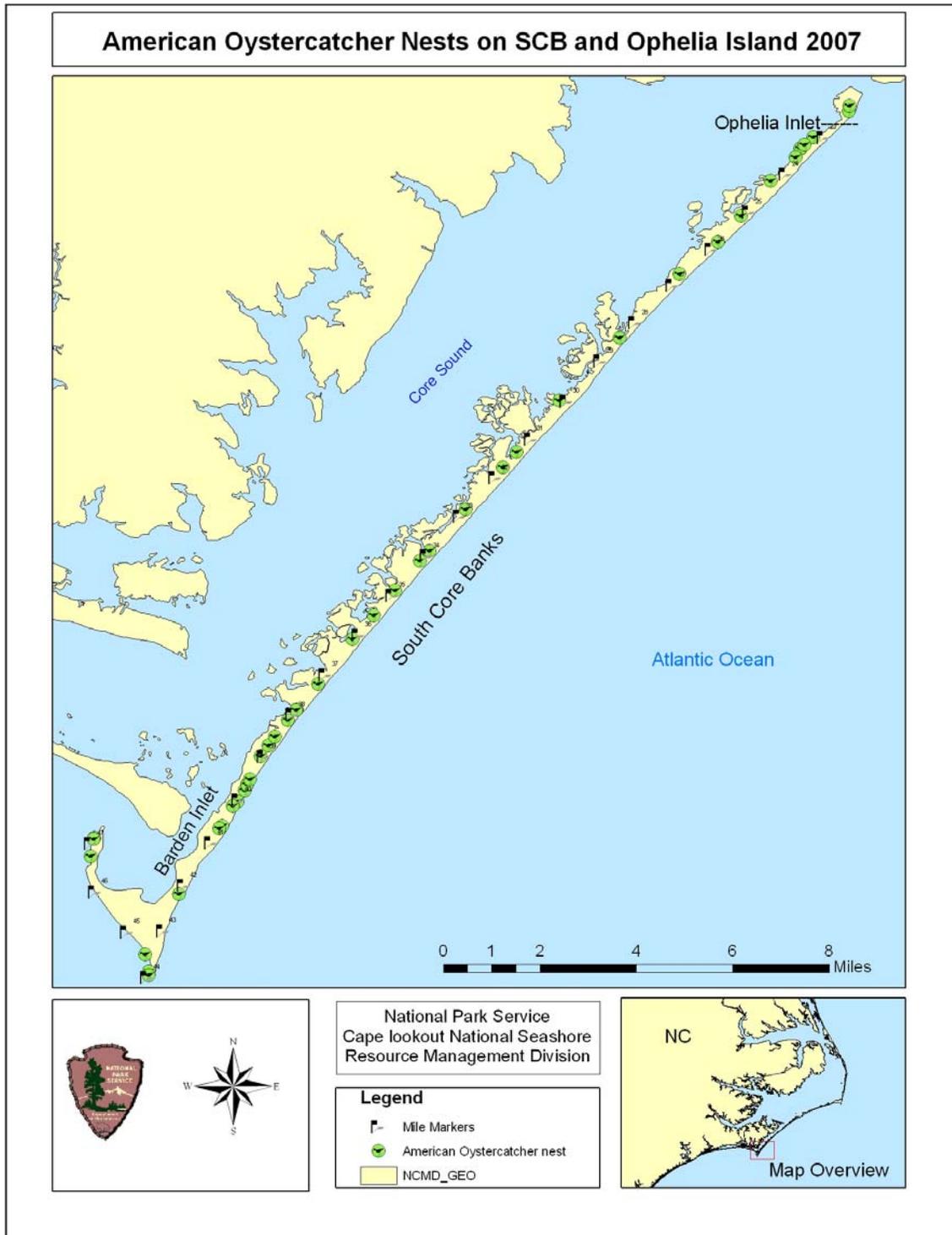
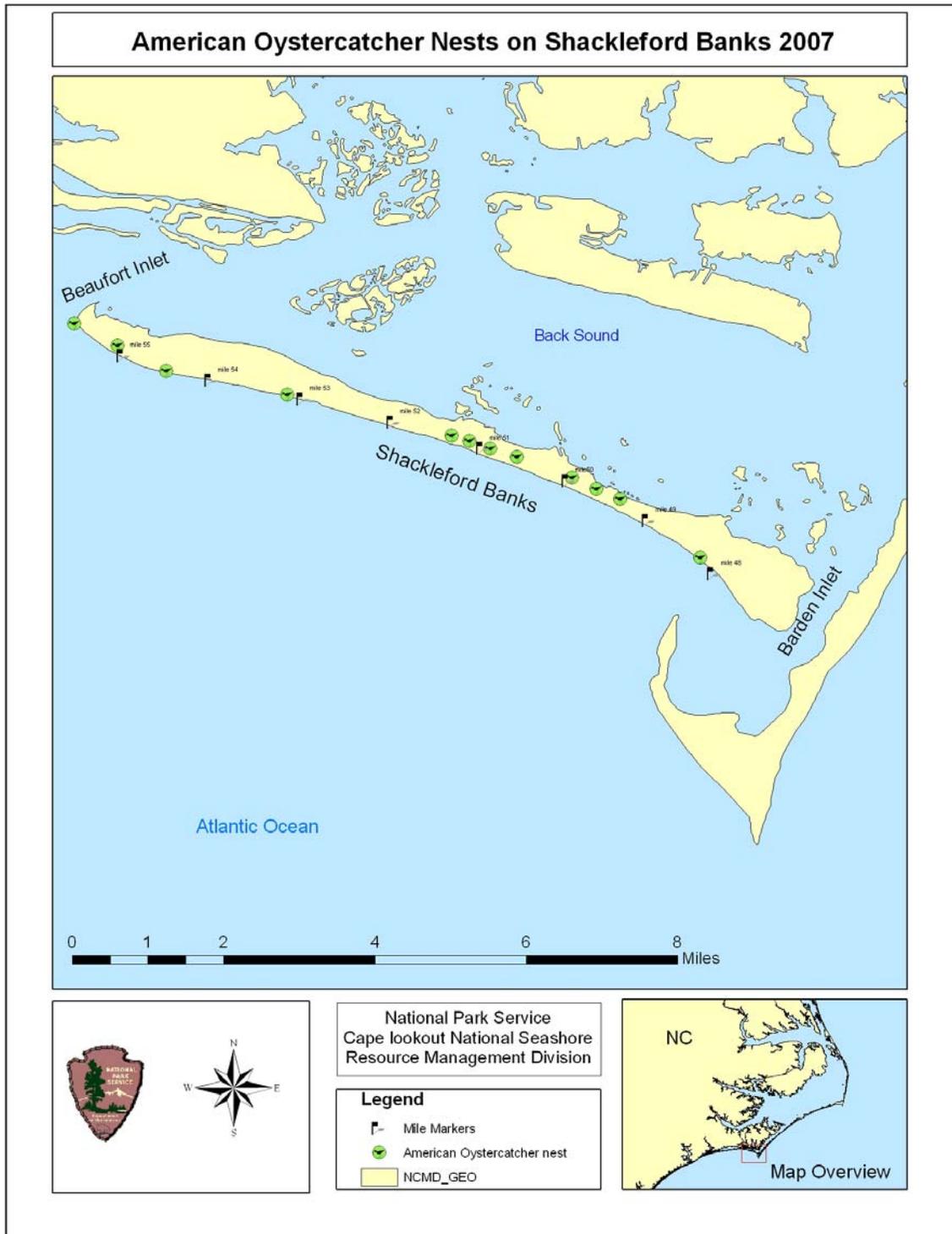


Figure 3.



APPENDIX 1A

AMERICAN OYSTERCATCHER NESTS- NORTH CORE BANKS-2007

| Nest # | Pair # | MILE | LOCATION | FOUND | EGGS | POSTED | Latitude | Longitude | COMMENTS |
|--------|--------|-------|--------------------------------|-----------|------|--------|----------|-----------|------------------------------------|
| 1 | 1 | 7.5 | small dune | 4/10/2007 | 3 | N | 35.18111 | -76.15305 | nest lost to storm, 4/18 |
| 2 | 2 | 9.1 | small dune | 4/18/2007 | 2 | N | 34.98086 | -76.1532 | nest lost 4/20, unknown |
| 3 | 3 | 15.4 | shelly flat, west of back road | 4/19/2007 | 1 | Y | 34.91408 | -76.23684 | nest lost 4/22, possible mammalian |
| 4 | 4 | 9.4 | shell flat | 4/20/2007 | 3 | N | 34.97544 | -76.16068 | banded 3 chicks, G T7, T8, T9 |
| 5 | 1 | 7.5 | behind dunes | 4/26/2007 | 3 | N | 35.15138 | -76.19833 | nest lost to storm, 5/11 |
| 6 | 5 | 4 | shell flat | 4/26/2007 | 3 | N | 35.18916 | -76.22027 | nest lost to storm, 5/11 |
| 7 | 6 | 6 | shell flat | 5/2/2007 | 2 | N | 35.00954 | -76.1164 | nest lost during storm, 5/9 |
| 8 | 7 | 6.45 | shell flat | 5/4/2007 | 2 | Y | 35.00602 | -76.12479 | nest lost to storm, 5/9 |
| 9 | 8 | 6.6 | shell flat | 5/4/2007 | 3 | Y | 35.00377 | -76.12628 | nest lost to storm, 5/11 |
| 10 | 9 | 15.75 | shelly flat, west of back road | 5/4/2007 | 3 | N | 34.91119 | -76.24034 | nest lost 5/15, unknown |
| 11 | 2 | 2 | shell flat | 5/5/2007 | 3 | Y | 34.98073 | -76.15642 | banded 1 chick, G (T0) |
| 12 | 3 | 15.4 | shelly flat, west of back road | 5/5/2007 | 2 | N | 34.913 | -76.23782 | nest lost to storm, 5/8 |
| 13 | 10 | 3.3 | shell flat on small mound | 5/5/2007 | 1 | Y | 35.03562 | -76.08163 | flooded to storm, 5/9 |
| 14 | 11 | 2.25 | small dune | 5/5/2007 | 1 | Y | 35.04425 | -76.06601 | flooded to storm, 5/9 |
| 15 | 12 | 0 | small shell flat in dunes | 5/5/2007 | 3 | N | 35.0597 | -76.03706 | nest lost to storm, 5/9 |
| 16 | 13 | 3.6 | shell flat | 5/5/2007 | 3 | Y | 35.03175 | -76.08549 | flooded to storm, 5/9 |
| 17 | 14 | 10.3 | shelly flat | 5/5/2007 | 3 | N | 34.96624 | -76.17321 | nest lost 5/27, unknown |
| 18 | 15 | 10.6 | toe of dune, beach | 5/5/2007 | 3 | N | 34.96262 | -76.17695 | nest lost to storm, 5/9 |
| 19 | 13 | 3.6 | small dune | 5/17/2007 | 3 | Y | 35.0328 | -76.08524 | banded chick, G(X7) |
| 20 | 15 | 10.48 | sand flat | 5/19/2007 | 3 | N | 34.96531 | -76.17454 | raccoon predation, 6/15 |
| 21 | 1 | 7.24 | top of dune | 5/21/2007 | 3 | N | 34.99689 | -76.13274 | raccoon predation, 6/10 |
| 22 | 8 | 6.99 | top of dune | 5/21/2007 | 3 | N | 34.99949 | -76.12958 | raccoon predation, 5/25 |
| 23 | 12 | 0.07 | sand flat | 5/23/2007 | 2 | N | 35.05506 | -76.04133 | banded 2 chicks G (X5) (X6) |
| 24 | 10 | 2.73 | small dune | 5/23/2007 | 2 | Y | 35.04375 | -76.07515 | nest lost 6/10, unknown |
| 25 | 7 | 6 | top of dune | 5/25/2007 | 3 | Y | 35.00873 | -76.11691 | nest failed 6/3 |

| | | | | | | | | | |
|----|----|-------|-------------|-----------|---|---|----------|-----------|---|
| 26 | 5 | 3.8 | top of dune | 5/25/2007 | 3 | Y | 35.03038 | -76.08833 | Banded 3 chicks, G(X8), (X9), (Y3) |
| 27 | 16 | 13.2 | dunes | 5/25/2007 | 3 | N | 34.93455 | -76.21252 | nest failed 5/28 |
| 28 | 17 | 11.5 | sand flat | 5/31/2007 | 1 | N | 34.95439 | -76.18807 | banded 1 chick, G (Y4) |
| 29 | 11 | 2.5 | sand flat | 5/31/2007 | 2 | Y | 35.04271 | -76.07035 | nest abandoned 6/15 |
| 30 | 6 | 5.95 | sand flat | 6/3/2007 | 2 | Y | 35.00965 | -76.11591 | banded 2chicks G (Y7), (Y8) |
| 31 | 8 | 6.7 | top of dune | 6/6/2007 | 2 | Y | 35.00386 | -76.12518 | raccoon predation, 6/15 |
| 32 | 14 | 10.38 | small dune | 6/8/2007 | 3 | N | 34.89899 | -76.25558 | hatched 7/4, fledged 1 chick, banded G (Y2) |

17 nesting pairs, 32 nests, 8 hatched, 14 chicks fledged

APPENDIX 1B AMERICAN OYSTERCATCHER NESTS- MIDDLE CORE BANKS-2007

| Nest # | Pair # | MILE | LOCATION | FOUND | EGGS | POSTED | Latitude | Longitude | COMMENTS |
|--------|--------|-------|------------|-----------|------|--------|----------|-----------|--|
| 1 | 1 | 20.55 | shell flat | 5/12/2007 | 1 | N | 34.86421 | -76.30318 | hatched 6/6, fledged 1 chick on 8/3 |
| 2 | 2 | 19.25 | shell flat | 5/25/2007 | 2 | N | 34.8775 | -76.28668 | lost, unknown |
| 3 | 3 | 19.45 | shell flat | 5/25/2007 | 3 | N | 34.87532 | -76.28954 | 2 chicks fledge, banded 1 chick G (Y6) |
| 4 | 4 | 19.53 | shell flat | 5/25/2007 | 2 | N | 34.87451 | -76.29008 | chicks lost by 7/7 |
| 5 | 5 | 19.66 | shell flat | 5/25/2007 | 3 | N | 34.87358 | -76.29217 | 3 chicks fledge, banded 1 chick G (Y5) |
| 6 | 6 | 19.8 | shell flat | 5/25/2007 | 3 | N | 34.87173 | -76.29382 | hatched 6/16, fledged 2 chicks by 8/3 |
| 7 | 7 | 20.05 | shell flat | 5/25/2007 | 3 | N | 34.86972 | -76.2969 | raccoon predation, 6/4 |
| 8 | 8 | 20.4 | small dune | 5/25/2007 | 3 | N | 34.86479 | -76.30222 | raccoon predation, 6/9 |
| 9 | 9 | 20.82 | shell flat | 5/25/2007 | 3 | N | 34.86179 | -76.30689 | hatched by 6/18, fledged 1 chick 7/7 |
| 10 | 10 | 19 | shell bank | 5/28/2007 | 2 | N | 34.88762 | -76.28597 | failed by 6/18 |
| 11 | 11 | 21 | low dunes | 6/2/2007 | 2 | Y | 34.85334 | -76.31749 | hatched 6/16, fledged 1 chicks on 8/3 |

11 nesting pairs, 11 nests, 7 nests hatched, 10 chicks fledged

APPENDIX 1C AMERICAN OYSTERCATCHER NESTS- Ophelia Island-2007

| Nest # | Pair # | MILE | LOCATION | FOUND | EGGS | POSTED | Latitude | Longitude | COMMENTS |
|--------|--------|-------|------------------|----------|------|--------|----------|-----------|--|
| 1 | 1 | 22.42 | low dunes | 5/2/2007 | 3 | Y | 34.84672 | -76.32591 | lost to storm, 5/16 |
| 2 | 1 | 22.2 | small shell flat | 6/7/2007 | 2 | Y | 34.84837 | -76.32572 | hatched 6/26, fledged 1 chick by 8/8 |
| 3 | 2 | 22.7 | low dunes | n/a | n/a | Y | 34.8454 | -76.32852 | found 3 young chicks on 7/8, fledged 2 chicks on 8/8 |

2 nesting pairs, 3 nests, 2 nests hatched, 3 chicks fledged

APPENDIX 1D

AMERICAN OYSTERCATCHER NESTS- SOUTH CORE BANKS-2007

| Nest # | Pair # | MILE | LOCATION | FOUND | EGGS | POSTED | Latitude | Longitude | Comments |
|--------|--------|-------|----------------------|-----------|------|--------|----------|-----------|--------------------------------------|
| 1 | 1 | 44 | open beach | 4/17/2007 | 3 | Y | 34.58858 | -76.53596 | Storm |
| 2 | 2 | 39.9 | open beach | 4/19/2007 | 3 | Y | 34.66716 | -76.49148 | Raccoon |
| 3 | 3 | 23.14 | small flat-soundside | 4/20/2007 | 3 | Y | 34.83899 | -76.33666 | Storm |
| 4 | 4 | 23.45 | small flat-soundside | 4/23/2007 | 1 | Y | 34.83555 | -76.34004 | Storm |
| 5 | 5 | 33.9 | dunes | 4/23/2007 | 1 | N | 34.71476 | -76.45174 | Storm |
| 6 | 6 | 28.4 | open Beach | 4/24/2007 | 3 | Y | 34.77884 | -76.39467 | Storm |
| 7 | 7 | 39 | small flat | 4/24/2007 | 2 | N | 34.65328 | -76.50236 | Raccoon |
| 8 | 8 | 35.54 | small flat | 4/25/2007 | 2 | N | 34.69539 | -76.4684 | Abandoned - Eggs scattered - cats |
| 9 | 9 | | open beach | 4/26/2007 | 2 | Y | 34.8076 | -76.36321 | Unknown |
| 10 | 10 | 40.7 | open beach | 4/26/2007 | 1 | Y | 34.63219 | -76.51382 | Unknown |
| 11 | 11 | 39.7 | open beach | 4/30/2007 | 1 | Y | 34.64294 | -76.50719 | Storm |
| 12 | 12 | 42.2 | open beach | 5/1/2007 | 2 | Y | 34.61175 | -76.52674 | Storm |
| 13 | 13 | 40.26 | open beach | 5/1/2007 | 1 | Y | 34.75993 | -76.41287 | Storm |
| 14 | 14 | | Ophelia Island | | | | | | |
| 15 | 15 | 31.76 | small flat | 5/3/2007 | 2 | N | 34.73991 | -76.42972 | Storm |
| 16 | 16 | 46.7 | dunes | 5/3/2007 | 2 | N | 34.62331 | -76.55331 | 1 Chick hatched, disappeared shortly |
| 17 | 17 | 24.28 | small flat | 5/11/2007 | 3 | Y | 34.82591 | -76.3494 | Unknown |
| 18 | 18 | 47 | dunes | 5/11/2007 | ? | Y | 34.62878 | -76.55227 | Found with broken eggshells |
| 19 | 5 | 34.16 | small flat | 5/15/2007 | 3 | Y | 34.71179 | -76.45451 | 2 Chicks fledged |
| 20 | 19 | 38.78 | dunes | 5/15/2007 | 2 | N | 34.65635 | -76.49996 | Unknown |
| 21 | 2 | 37.9 | dunes | 5/16/2007 | 1 | N | 34.66706 | -76.49171 | Disturbance (campers, cleanup crew) |
| 22 | 13 | 40.15 | small flat | 5/17/2007 | 1 | N | 34.63835 | -76.51069 | Unknown |
| 23 | 4 | 23.44 | small flat | 5/21/2007 | 3 | Y | 34.83563 | -76.34052 | Unknown |
| 24 | 6 | 26.7 | small flat | 5/21/2007 | 3 | N | 34.798 | -76.3767 | 2 Chicks fledged |
| 25 | 1 | 44.47 | large flat | 5/22/2007 | 2 | Y | 34.59368 | -76.53696 | Raccoon |
| 26 | 21 | 37.24 | beach | 5/22/2007 | 3 | N | 34.6748 | -76.48515 | Unknown |
| 27 | 20 | 32.48 | beach | 5/22/2007 | 3 | N | 34.72722 | -76.4408 | Unknown |
| 28 | 11 | 39.6 | dunes | 5/22/2007 | 2 | N | 34.64479 | -76.50647 | Unknown |
| 29 | 18 | 47 | dunes | 5/23/2007 | 2 | Y | 34.62828 | -76.55244 | Unknown |

| | | | | | | | | | |
|----|----|-------|----------------------|-----------|---|---|----------|------------|---------------------------------|
| 30 | 9 | 25.2 | small flat | 5/24/2007 | 3 | N | 34.81538 | -76.3582 | Unknown loss, one chick hatched |
| 31 | 10 | 40.68 | dunes | 5/25/2007 | 2 | N | 34.63145 | -76.51478 | Unknown |
| 32 | 15 | 31.37 | dunes | 5/27/2007 | 2 | N | 34.74451 | -76.42566 | Unknown |
| 33 | 2 | 38.15 | beach | 5/27/2007 | 2 | N | 34.66405 | -76.49415 | Unknown |
| 34 | 3 | | small flat-soundside | 6/2/2007 | 2 | Y | 34.83669 | -76.33933 | Unknown |
| 35 | 13 | 40.5 | dunes | 6/6/2007 | 2 | N | 34.63955 | -76.50925 | Unknown |
| 36 | 14 | | Ophelia Island | | | | | | |
| 37 | 8 | 36.15 | small flat | 6/11/2007 | 2 | N | 34.6883 | -76.47476 | Raccoons |
| 38 | 19 | 38.55 | small flat | 6/11/2007 | 2 | N | 34.65909 | -76.49811 | Unknown |
| 39 | 1 | 44 | large flat | 6/11/2007 | 2 | Y | 34.58743 | -76.53584 | overwash by high tides |
| 40 | 11 | 39.66 | dunes | 6/12/2007 | 2 | N | 34.64463 | -76.506454 | Unknown |
| 41 | 7 | 39.53 | dunes | 6/12/2007 | 1 | N | 34.64636 | -76.50559 | Unknown |
| 42 | 22 | 34.9 | small flat | 6/13/2007 | 3 | N | 34.70302 | -76.46207 | Unknown |
| 43 | 3 | 23.63 | small flat | 6/28/2007 | 2 | Y | 34.83291 | -76.34188 | Raccoon |

21 nesting pairs, 41 nests, 4 hatched, 4 chicks fledged (-2 nest/pair Ophelia Island)

APPENDIX 1E AMERICAN OYSTERCATCHER NESTS- SHACKLEFORD BANKS-2007

| Nest # | Pair # | MILE | LOCATION | FOUND | EGGS | POSTED | Latitude | Longitude | COMMENTS |
|--------|--------|-------|--------------------|-----------|------|--------|----------|-----------|--|
| 1 | 1 | 51.2 | between dunes | 5/4/2007 | 3 | N | 34.66566 | -76.58924 | lost by 5/18/2007, unknown |
| 2 | 2 | 55.1 | between dunes | 5/4/2007 | 3 | N | 34.68389 | -76.65654 | unknown loss |
| 3 | 3 | 49.43 | shell flat | 5/11/2007 | 2 | N | 34.6545 | -76.56035 | unknown loss |
| 4 | 4 | 49.71 | shell flat | 5/11/2007 | 2 | N | 34.65646 | -76.56492 | possible hatch, undetermined, unknown loss |
| 5 | 5 | 50.65 | | 5/11/2007 | 3 | N | 34.66256 | -76.58007 | unknown loss |
| 6 | 6 | 56 | shell flat | 5/11/2007 | 1 | Y | 34.68809 | -76.66479 | lots of pedestrian tracks by nest, disturbance |
| 7 | 7 | 50.39 | shell flat washout | 5/18/2007 | 2 | N | 34.66664 | -76.5926 | unknown loss |
| 8 | 8 | 50 | shell flat | 5/25/2007 | 3 | N | 34.65861 | -76.56952 | unknown loss |
| 9 | 9 | 53.19 | dune cliff | 5/25/2007 | 3 | N | 34.67447 | -76.62405 | unknown loss |
| 10 | 2 | 54.52 | toe of dune | 5/25/2007 | 2 | N | 34.67906 | -76.64718 | storm event, flooding |
| 11 | 10 | 48.2 | toe of dune | 6/2/2007 | 1 | N | 34.64322 | -76.54504 | storm event, flooding |

10 nesting pairs, 11 nests, 0 hatch, and 0 chicks fledged

