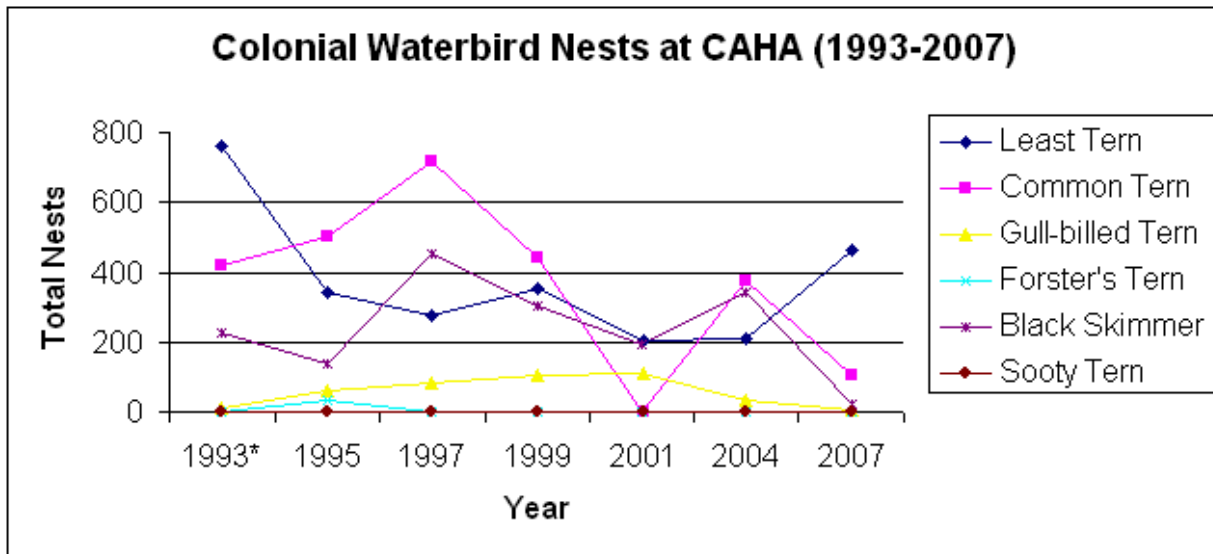
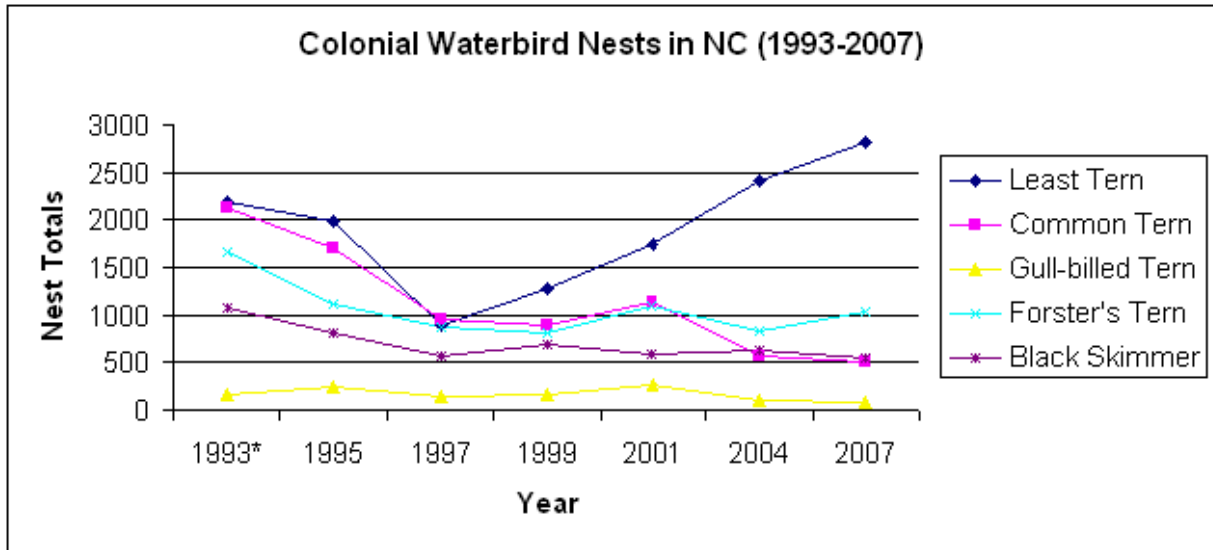


From: [Britta Muiznieks](#)
 To: [Mike Murray](#)
 Cc: [CAHA Thayer Brolli](#)
 Subject: Re: WAIT!!!!-Too Late
 Date: 03/03/2008 07:42 PM
 Attachments: [gry2004ShorebirdData.xls](#)
[gry2004ColonialWaterbirdData.xls](#)

We updated the tables for nesting birds at CAHA and in NC for comparable years.



CAHA's nest numbers for CWB are highly variable. Overall it looks like the nest numbers at CAHA are going down except for least terns. Statewide the nest numbers since 1997 appear to have stabilized except for least terns which are increasing.

Britta

Britta Muiznieks
 Wildlife Biologist

Cape Hatteras National Seashore

252-995-3740-Office
252-475-8348-Cell
252-995-6998-FAX

▼ Mike Murray

**Mike
Murray**

To: "CAHA Thayer Broili" <thayer_broili@nps.gov>
cc: "CAHA Britta" <britta_muiznieks@nps.gov>
Subject: WAIT!!!!

03/03/2008
06:23 PM
EST

Thayer,

Hold off on doing a comparison. Apparently there is another document forthcoming that has done the comparison. May be best use of time to simply review the comparison document.

Sent from my BlackBerry Wireless Handheld

▼ Mike Murray

----- Original Message -----

From: Mike Murray
Sent: 03/03/2008 05:41 PM EST
To: Thayer Broili
Cc: Britta Muiznieks
Subject: Fw: 2004 waterbird data (msg 1 of 2)

I know there is a lot going on and too much to do. It would be helpful if someone on staff could compare the 2004 data with the 2007 and come up with a simple quantification of the contrast between the two years.

I will forward the 2007 data in a second message.

Mike Murray
Superintendent
Cape Hatteras NS/ Wright Brothers NMem/ Ft. Raleigh NHS
(w) 252-473-2111, ext. 148
(c) 252-216-5520
fax 252-473-2595

CONFIDENTIALITY NOTICE

This message is intended exclusively for the individual or entity to which it is addressed. This communication may contain information that is proprietary, privileged or confidential or otherwise legally exempt from disclosure.

----- Forwarded by Mike Murray/CAHA/NPS on 03/03/2008 05:38 PM -----

Cyndy Holda
<cyndyholda@yahoo.com>

To mike murray <mike_murray@nps.gov>
cc

0020514

03/03/2008 12:05 PM

Subject Fwd: Fw: 2004 waterbird data

Mike,

I asked them to send this to me on my personal email to avoid any conflicts for Sue Cameron at this time. Bob talked about this on the phone a lot this morning.

CMH

Larry Hardham <hardhead@embarqmail.com> wrote:

From: "Larry Hardham" <hardhead@embarqmail.com>
To: "Cyndy Holda personal" <cyndyholda@yahoo.com>
Subject: Fw: 2004 waterbird data
Date: Mon, 3 Mar 2008 10:40:11 -0500

This is first of three

----- Original Message -----

From: [Susan Cameron](#)
To: '[Bob Eakes](#)'
Sent: Thursday, February 28, 2008 4:42 PM
Subject: 2004 waterbird data

Hi Bob,

I've attached the 2004 colonial waterbird and shorebird nesting data by site. Coast-wide colonial waterbird surveys are conducted by visiting sites during peak incubation and conducting ground counts to determine the numbers of active nests. Ground counts are the preferred method of surveying, but depending on stage of nesting, it was occasionally necessary to count from the perimeter of the colony to estimate the number of breeding pairs from adult counts. We use the number of nests as an index of the number of breeding pairs. The lat/longs are general site locations and I'm in the process of proofing these, so some might be slightly off.

Please let me know if you have any questions. This data is open to misinterpretation, so I would appreciate it if you could consult with me before making any interpretations of the data. Thanks.

Best,
Sue Cameron
North Carolina Wildlife Resources Commission
Waterbird Biologist
253 White Oak Bluff Rd.
Stella, NC 28582
910-325-3602

0020515

camerons@coastalnet.com

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qry2004ShorebirdData.xls



qry2004ColonialWaterbirdData.xls

0020516

qryCustomizable2

SITENAME	LAT_DD	LON_DD	SPECIES	DATE	YEAR	# NESTS	CENSUS_TECHNIQUE
Catfish Lake Impoundment	34.97	-77.133333	Anhinga	6/11/2004	2004	4	visual total estimate
Beach Northside Hatteras Inlet	35.1916528	-75.744819	Black skimmer	6/1/2004	2004	13	total ground count
Cape Lookout Point	34.5930556	-76.5375	Black skimmer	6/1/2004	2004	68	total ground count
Clam Shoal	35.3	-75.666667	Black skimmer	6/17/2004	2004	11	total ground count
Mason Inlet, Southside	34.2361111	-77.766667	Black skimmer	6/21/2004	2004	55	total ground count
New Dump Island	34.8666667	-76.333333	Black skimmer	5/26/2004	2004	11	total ground count
Ocracoke Inlet Beach, North	35.0666667	-76.013889	Black skimmer	6/9/2004	2004	247	total ground count
Oregon Inlet Shoal	35.7616667	-75.531667	Black skimmer	6/8/2004	2004	82	total ground count
Phillips Island	34.73	-76.686389	Black skimmer	6/22/2004	2004	21	perimeter count
Rich Inlet, Northside	34.3	-77.713889	Black skimmer	6/1/2004	2004	87	total ground count
Shell Castle Island, West	35.0991667	-76.066667	Black skimmer	5/25/2004	2004	5	total ground count
Tump Island	34.9827778	-76.383333	Black skimmer	5/25/2004	2004	14	total ground count
UNI, Back Sound 4	34.6583333	-76.537222	Black skimmer	6/7/2004	2004	8	total ground count
UNI, Entrance Bogue Inlet 1	34.6708333	-77.093056	Black skimmer	5/27/2004	2004	1	perimeter count
Battery Island, South	33.9083333	-78.011667	Black-crowned night-heron	5/5/2004	2004	32	total ground count
Chainshot Island	34.99	-76.235	Black-crowned night-heron	5/24/2004	2004	26	total ground count
Dot Island	35.2166667	-75.75	Black-crowned night-heron	5/11/2004	2004	36	total ground count
Gull Island	35.4666667	-75.520833	Black-crowned night-heron	7/14/2004	2004	1	perimeter count
Horse Pen Point	35.1191667	-75.965833	Black-crowned night-heron	5/12/2004	2004	34	total ground count
Monkey Island	36.4083333	-75.856944	Black-crowned night-heron	5/18/2004	2004	2	total ground count
Morgan Island	34.6616667	-76.525	Black-crowned night-heron	5/20/2004	2004	105	total ground count
New Dump Island	34.8666667	-76.333333	Black-crowned night-heron	5/26/2004	2004	1	total ground count
North Pelican Island 1	33.993619	-77.938786	Black-crowned night-heron	5/18/2004	2004	1	total ground count
North Pelican Island 2	33.997934	-77.937316	Black-crowned night-heron	5/18/2004	2004	4	total ground count
North Pelican Island 3	34.001207	-77.934925	Black-crowned night-heron	5/18/2004	2004	2	total ground count
North Rock Island	35.1083333	-76.07	Black-crowned night-heron	5/25/2004	2004	2	total ground count
Old-House Channel, Island L	35.7805556	-75.583333	Black-crowned night-heron	5/11/2004	2004	33	total ground count
Rawls Island	35.5722222	-75.845833	Black-crowned night-heron	5/10/2004	2004	1	total ground count
Roanoke Sound, Island G	35.8180556	-75.590278	Black-crowned night-heron	5/10/2004	2004	10	total ground count
Woods Island (Cat Island)	34.6875	-76.952778	Black-crowned night-heron	5/7/2004	2004	7	total ground count
Beacon Island	35.1	-76.046667	Brown pelican	5/25/2004	2004	524	total ground count
Dot Island	35.2166667	-75.75	Brown pelican	5/11/2004	2004	357	total ground count
Ferry Slip Island	33.975	-77.941667	Brown pelican	6/7/2004	2004	353	total ground count
New Dump Island	34.8666667	-76.333333	Brown pelican	5/26/2004	2004	1110	total ground count
North Pelican Island 1	33.993619	-77.938786	Brown pelican	5/18/2004	2004	470	total ground count
North Pelican Island 2	33.997934	-77.937316	Brown pelican	5/18/2004	2004	52	total ground count
North Pelican Island 3	34.001207	-77.934925	Brown pelican	5/18/2004	2004	312	total ground count
Old-House Channel, Island MN	35.77	-75.586667	Brown pelican	6/8/2004	2004	1420	total ground count
South Pelican Island	33.9266667	-77.975	Brown pelican	6/7/2004	2004	575	total ground count
Clam Shoal	35.3	-75.666667	Caspian tern	6/17/2004	2004	1	total ground count
Old-House Channel, Island L	35.7805556	-75.583333	Caspian tern	6/8/2004	2004	15	total ground count
Hog Island	35.3680556	-76.063889	Cattle egret	7/1/2004	2004	10	perimeter count

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Monkey Island	36.4083333	-75.856944	Cattle egret	5/18/2004	2004	108	total ground count
Morgan Island	34.6616667	-76.525	Cattle egret	5/20/2004	2004	195	total ground count
North Pelican Island 1	33.993619	-77.938786	Cattle egret	5/18/2004	2004	27	total ground count
North Pelican Island 3	34.001207	-77.934925	Cattle egret	5/18/2004	2004	16	total ground count
Rawls Island	35.5722222	-75.845833	Cattle egret	5/10/2004	2004	31	total ground count
Woods Island (Cat Island)	34.6875	-76.952778	Cattle egret	5/7/2004	2004	160	total ground count
Beach Northside Hatteras Inlet	35.1916528	-75.744819	Common tern	6/1/2004	2004	11	total ground count
Big Deep Marsh Island	34.6916667	-76.496667	Common tern	6/7/2004	2004	3	total ground count
Bogue Inlet, West	34.6383333	-77.125	Common tern	6/11/2004	2004	1	total ground count
Cape Lookout Point	34.5930556	-76.5375	Common tern	6/1/2004	2004	28	total ground count
Chainshot Island	34.99	-76.235	Common tern	5/24/2004	2004	1	total ground count
Clam Shoal	35.3	-75.666667	Common tern	6/17/2004	2004	47	total ground count
Cockle Marsh Island	34.6805556	-76.513889	Common tern	6/7/2004	2004	3	total ground count
Dot Island	35.2166667	-75.75	Common tern	6/17/2004	2004	1	total ground count
Mason Inlet, Southside	34.2361111	-77.766667	Common tern	6/21/2004	2004	3	total ground count
Middle Marsh, North	34.6925	-76.610833	Common tern	6/24/2004	2004	3	total ground count
Middle Marsh, South	34.6877778	-76.610833	Common tern	6/24/2004	2004	1	visual total estimate
New Dump Island	34.8666667	-76.333333	Common tern	5/26/2004	2004	13	total ground count
Ocracoke Inlet Beach, North	35.0666667	-76.013889	Common tern	6/9/2004	2004	169	total ground count
Oregon Inlet Beach, South	35.7758333	-75.530556	Common tern	6/8/2004	2004	6	total ground count
Oregon Inlet Shoal	35.7616667	-75.531667	Common tern	6/8/2004	2004	196	total ground count
Phillips Island	34.73	-76.686389	Common tern	6/22/2004	2004	4	perimeter count
Rich Inlet, Northside	34.3	-77.713889	Common tern	6/1/2004	2004	15	total ground count
Shell Castle Island, West	35.0991667	-76.066667	Common tern	5/25/2004	2004	49	total ground count
Tump Island	34.9827778	-76.383333	Common tern	5/25/2004	2004	3	total ground count
UNI, Back Sound 4	34.6583333	-76.537222	Common tern	6/7/2004	2004	2	total ground count
UNI, Back Sound 5	34.6605556	-76.535833	Common tern	6/7/2004	2004	1	total ground count
UNI, Barden Inlet Channel	34.6569444	-76.516111	Common tern	6/7/2004	2004	2	total ground count
UNI, Bogue Sound 8	34.7138889	-76.75	Common tern	6/22/2004	2004	6	total ground count
UNI, Bogue Sound 9	34.7138889	-76.758333	Common tern	6/22/2004	2004	1	total ground count
UNI, Entrance Bogue Inlet 1	34.6708333	-77.093056	Common tern	5/27/2004	2004	1	perimeter count
Big Deep Marsh Island	34.6916667	-76.496667	Forster's tern	6/7/2004	2004	37	total ground count
Casey Island	35.0766667	-76.065	Forster's tern	6/23/2004	2004	30	aerial visual count
Chainshot Island	34.99	-76.235	Forster's tern	5/24/2004	2004	2	total ground count
Cockle Marsh Island	34.6805556	-76.513889	Forster's tern	6/7/2004	2004	32	total ground count
Dot Island	35.2166667	-75.75	Forster's tern	6/17/2004	2004	35	total ground count
Great Island	35.3166667	-76.280556	Forster's tern	6/30/2004	2004	77	perimeter count
Gull Island	35.4666667	-75.520833	Forster's tern	7/14/2004	2004	3	perimeter count
Hog Island	35.3680556	-76.063889	Forster's tern	7/1/2004	2004	24	visual total estimate/other(89 chicks out)
Judith Island Point	35.3638889	-76.397222	Forster's tern	6/30/2004	2004	30	perimeter count
Judith Island, Judith Narrows	35.3333333	-76.366667	Forster's tern	6/30/2004	2004	30	perimeter count
Lighthouse Channel	34.6516667	-76.521667	Forster's tern	6/7/2004	2004	13	total ground count
Middle Marsh, North	34.6925	-76.610833	Forster's tern	6/24/2004	2004	34	visual total estimate/other(35 Fledglings counted)

Middle Marsh, South	34.6877778	-76.610833	Forster's tern	6/24/2004	2004	20	visual total estimate/other(40 Fledglings counted)
North Rock Island	35.1083333	-76.07	Forster's tern	5/25/2004	2004	18	total ground count
Outer Green Island	35.1833333	-75.8	Forster's tern	5/25/2004	2004	50	total ground count
Pea Island, Cedar Hammock	35.6666667	-75.491667	Forster's tern	6/23/2004	2004	10	aerial visual count
Pea Island, Round Hammock Point	35.6416667	-75.483333	Forster's tern	6/23/2004	2004	13	aerial visual count
Raccoon Island	35.0666667	-76.433333	Forster's tern	5/25/2004	2004	62	total ground count
Roos Point	35.3833333	-76.466667	Forster's tern	6/23/2004	2004	55	aerial visual count
Sheep Island, Carteret	34.6591667	-76.530556	Forster's tern	6/7/2004	2004	12	total ground count
Shell Castle Island, West	35.0991667	-76.066667	Forster's tern	5/25/2004	2004	76	total ground count
Tump Island	34.9827778	-76.383333	Forster's tern	5/25/2004	2004	65	total ground count
UNI, Back Sound 5	34.6605556	-76.535833	Forster's tern	6/7/2004	2004	18	total ground count
UNI, Back Sound 6	34.6605556	-76.534722	Forster's tern	6/7/2004	2004	12	total ground count
UNI, Bogue Sound 8	34.7138889	-76.75	Forster's tern	6/22/2004	2004	5	total ground count
UNI, Bogue Sound 9	34.7138889	-76.758333	Forster's tern	6/22/2004	2004	12	total ground count
UNI, Core Sound Deer Pond	34.7472222	-76.433333	Forster's tern	7/8/2004	2004	1	total ground count
Wainwright Island	34.9916667	-76.208333	Forster's tern	5/24/2004	2004	52	total ground count
Dot Island	35.2166667	-75.75	Glossy ibis	5/11/2004	2004	19	total ground count
Hog Island	35.3680556	-76.063889	Glossy ibis	7/1/2004	2004	29	visual total estimate
Monkey Island	36.4083333	-75.856944	Glossy ibis	5/18/2004	2004	48	total ground count
Morgan Island	34.6616667	-76.525	Glossy ibis	5/20/2004	2004	23	total ground count
North Pelican Island 1	33.993619	-77.938786	Glossy ibis	5/18/2004	2004	4	total ground count
Raccoon Island	35.0666667	-76.433333	Glossy ibis	5/25/2004	2004	204	total ground count
Rawls Island	35.5722222	-75.845833	Glossy ibis	5/10/2004	2004	37	total ground count
Roanoke Sound, Island G	35.8180556	-75.590278	Glossy ibis	5/10/2004	2004	13	total ground count
Beacon Island	35.1	-76.046667	Great black-backed gull	5/25/2004	2004	13	total ground count
Big Foot Island	35.15	-76	Great black-backed gull	6/9/2004	2004	3	visual total estimate
Clam Shoal	35.3	-75.666667	Great black-backed gull	6/17/2004	2004	9	total ground count
Dot Island	35.2166667	-75.75	Great black-backed gull	6/17/2004	2004	3	visual total estimate
Gull Island	35.4666667	-75.520833	Great black-backed gull	7/14/2004	2004	2	visual total estimate
Harbor Island	34.9944444	-76.223611	Great black-backed gull	5/24/2004	2004	7	total ground count
Morgan Island	34.6616667	-76.525	Great black-backed gull	5/20/2004	2004	1	total ground count
North Rock Island	35.1083333	-76.07	Great black-backed gull	5/25/2004	2004	3	total ground count
Old-House Channel, Island L	35.7805556	-75.583333	Great black-backed gull	6/8/2004	2004	20	visual total estimate
Old-House Channel, Island MN	35.77	-75.586667	Great black-backed gull	6/8/2004	2004	40	visual total estimate
Rawls Island	35.5722222	-75.845833	Great black-backed gull	5/10/2004	2004	2	total ground count
Roanoke Sound, Island D	35.8	-75.583333	Great black-backed gull	6/18/2004	2004	2	visual total estimate
Roanoke Sound, Island F	35.8077778	-75.592778	Great black-backed gull	6/18/2004	2004	8	visual total estimate
Roanoke Sound, Island G	35.8180556	-75.590278	Great black-backed gull	5/10/2004	2004	2	total ground count
Sand Bag Island	34.68	-76.533333	Great black-backed gull	6/7/2004	2004	2	visual total estimate
Shell Castle Island, East	35.1	-76.05	Great black-backed gull	5/25/2004	2004	1	total ground count
Shell Castle Island, West	35.0991667	-76.066667	Great black-backed gull	5/25/2004	2004	1	total ground count
Shell Island	34.9827778	-76.198333	Great black-backed gull	5/24/2004	2004	4	total ground count
Tump Island	34.9827778	-76.383333	Great black-backed gull	5/25/2004	2004	1	total ground count

Wainwright Island	34.9916667	-76.208333	Great black-backed gull	5/24/2004	2004	2	total ground count
Wells Island	35.7322222	-75.608889	Great black-backed gull	6/8/2004	2004	50	visual total estimate
Big Swamp	35.955	-76.431667	Great blue heron	4/16/2004	2004	22	aerial visual count
Broadneck Swamp 1	35.9333333	-77.083333	Great blue heron	4/23/2004	2004	85	aerial visual count
Buckhorn Reservoir	35.7166667	-78.145	Great blue heron	4/23/2004	2004	33	aerial visual count
Butterwood Creek	36.335	-77.871667	Great blue heron	6/1/2004	2004	8	visual total estimate
Clarke Creek	35.3972222	-80.716667	Great blue heron	4/5/2004	2004	28	visual total estimate
Kinston Sewer Ponds	35.2433333	-77.578333	Great blue heron	4/16/2004	2004	15	aerial visual count
Lake Norman Island	35.4883333	-80.925	Great blue heron	5/4/2004	2004	29	total ground count
Lower Abbotts Creek	35.6483333	-80.256667	Great blue heron	5/13/2004	2004	43	aerial visual count
Lower Clarke Creek	35.3777778	-80.725833	Great blue heron	7/13/2004	2004	4	total ground count
Lower McAlpine Greenway	35.0694444	-80.848611	Great blue heron	3/22/2004	2004	5	total ground count
Lower Perquimans River	36.15	-76.365	Great blue heron	4/16/2004	2004	28	aerial visual count
Marsh Swamp	36.3583333	-77.686667	Great blue heron	4/23/2004	2004	45	aerial visual count
Marshall Steam Station	35.6027778	-80.966667	Great blue heron	4/1/2004	2004	8	visual total estimate
Middle Abbotts Creek	35.6866667	-80.246667	Great blue heron	5/13/2004	2004	4	aerial visual count
Middle Badin Lake	35.4483333	-80.101667	Great blue heron	5/13/2004	2004	8	aerial visual count
Mush Island	36.4	-77.55	Great blue heron	4/23/2004	2004	25	aerial visual count
Rich Square	36.2	-77.366667	Great blue heron	4/23/2004	2004	24	aerial visual count
Roanoke River, Halifax	36.35	-77.583333	Great blue heron	4/23/2004	2004	50	aerial visual count
Rocky River	35.3666667	-80.691667	Great blue heron	4/5/2004	2004	4	total ground count
Second Creek	35.6291667	-80.291667	Great blue heron	5/13/2004	2004	33	aerial visual count
Silver Lake	35.8083333	-77.966667	Great blue heron	4/23/2004	2004	41	aerial visual count
Snug Harbor Point	35.0638889	-81.05	Great blue heron	3/31/2004	2004	15	total ground count
Swan Creek Lake	35.6333333	-76	Great blue heron	4/16/2004	2004	20	aerial visual count
Swearing Creek	35.6966667	-80.3	Great blue heron	5/13/2004	2004	44	aerial visual count
Upper Badin Lake	35.49	-80.101667	Great blue heron	5/13/2004	2004	110	aerial visual count
Upper Catawba River	35.8266667	-81.186667	Great blue heron	7/2/2004	2004	4	visual total estimate
Upper Tuckertown Reservoir	35.59	-80.23	Great blue heron	5/13/2004	2004	75	aerial visual count
Whiteville 2	34.3833333	-78.7	Great blue heron	4/16/2004	2004	65	aerial visual count
Yadkin River	35.7166667	-80.366667	Great blue heron	5/13/2004	2004	440	aerial visual count
Battery Island, North	33.915	-78.008333	Great egret	5/5/2004	2004	11	total ground count
Battery Island, South	33.9083333	-78.011667	Great egret	5/5/2004	2004	84	total ground count
Broadneck Swamp 1	35.9333333	-77.083333	Great egret	4/23/2004	2004	60	aerial visual count
Chainshot Island	34.99	-76.235	Great egret	5/24/2004	2004	19	total ground count
Dot Island	35.2166667	-75.75	Great egret	5/11/2004	2004	123	total ground count
Gull Island	35.4666667	-75.520833	Great egret	7/14/2004	2004	20	perimeter count
Horse Pen Point	35.1191667	-75.965833	Great egret	5/12/2004	2004	14	total ground count
Lower Perquimans River	36.15	-76.365	Great egret	4/16/2004	2004	17	aerial visual count
Middle Marsh, South	34.6877778	-76.610833	Great egret	6/24/2004	2004	15	visual total estimate
Monkey Island	36.4083333	-75.856944	Great egret	5/18/2004	2004	507	total ground count
Morgan Island	34.6616667	-76.525	Great egret	5/20/2004	2004	204	total ground count
Moyes Run	35.605	-77.261667	Great egret	4/21/2004	2004	30	aerial visual count

New Dump Island	34.8666667	-76.3333333	Great egret	5/26/2004	2004	16	total ground count
North Pelican Island 1	33.993619	-77.938786	Great egret	5/18/2004	2004	44	total ground count
North Pelican Island 2	33.997934	-77.937316	Great egret	5/18/2004	2004	9	total ground count
North Pelican Island 3	34.001207	-77.934925	Great egret	5/18/2004	2004	176	total ground count
North Rock Island	35.1083333	-76.07	Great egret	5/25/2004	2004	19	total ground count
Old-House Channel, Island L	35.7805556	-75.5833333	Great egret	5/11/2004	2004	9	total ground count
Oregon Inlet, Island C	35.7763889	-75.569444	Great egret	5/11/2004	2004	1	total ground count
Raccoon Island	35.0666667	-76.4333333	Great egret	5/25/2004	2004	25	total ground count
Rawls Island	35.5722222	-75.845833	Great egret	5/10/2004	2004	61	total ground count
Roanoke Sound, Island G	35.8180556	-75.590278	Great egret	5/10/2004	2004	175	total ground count
UNI, Cape Fear River 3	33.9838889	-77.94	Great egret	5/18/2004	2004	2	total ground count
Woods Island (Cat Island)	34.6875	-76.952778	Great egret	5/7/2004	2004	345	total ground count
Yadkin River	35.7166667	-80.366667	Great egret	5/13/2004	2004	15	aerial visual count
Catfish Lake Impoundment	34.97	-77.1333333	Green heron	6/11/2004	2004	5	visual total estimate
Ocracoke Village	35.1083333	-75.98	Green heron	5/21/2004	2004	1	visual total estimate
UNI, New River Channel 3	34.5619444	-77.354167	Green heron	5/21/2004	2004	2	perimeter count
UNI, Stumpy Point Bay	35.7	-75.766667	Green heron	7/1/2004	2004	11	visual total estimate
UNI, Swansboro 3	34.6833333	-77.116667	Green heron	5/27/2004	2004	28	perimeter count
Casey Island	35.0766667	-76.065	Gull-billed tern	5/6/2004	2004	1	total ground count
Clam Shoal	35.3	-75.666667	Gull-billed tern	6/17/2004	2004	4	total ground count
New Dump Island	34.8666667	-76.3333333	Gull-billed tern	5/26/2004	2004	5	total ground count
Ocracoke Inlet Beach, North	35.0666667	-76.013889	Gull-billed tern	6/9/2004	2004	17	total ground count
Oregon Inlet Shoal	35.7616667	-75.531667	Gull-billed tern	6/8/2004	2004	14	total ground count
Shell Castle Island, West	35.0991667	-76.066667	Gull-billed tern	5/25/2004	2004	11	total ground count
South Pelican Island	33.9266667	-77.975	Gull-billed tern	6/7/2004	2004	7	total ground count
Tump Island	34.9827778	-76.3833333	Gull-billed tern	5/25/2004	2004	40	total ground count
Beacon Island	35.1	-76.046667	Herring gull	5/25/2004	2004	23	total ground count
Big Foot Island	35.15	-76	Herring gull	6/9/2004	2004	60	visual total estimate
Clam Shoal	35.3	-75.666667	Herring gull	6/17/2004	2004	19	total ground count
Dot Island	35.2166667	-75.75	Herring gull	6/17/2004	2004	31	visual total estimate
Ferry Slip Island	33.975	-77.941667	Herring gull	6/7/2004	2004	1	total ground count
Gull Island	35.4666667	-75.520833	Herring gull	7/14/2004	2004	2	visual total estimate
Harbor Island	34.9944444	-76.223611	Herring gull	5/24/2004	2004	68	
Hog Island	35.3680556	-76.063889	Herring gull	7/1/2004	2004	1	visual total estimate
Morgan Island	34.6616667	-76.525	Herring gull	5/20/2004	2004	67	total ground count
New Dump Island	34.8666667	-76.3333333	Herring gull	5/26/2004	2004	2	total ground count
North Rock Island	35.1083333	-76.07	Herring gull	5/25/2004	2004	25	
Old-House Channel, Island L	35.7805556	-75.5833333	Herring gull	6/8/2004	2004	200	visual total estimate
Old-House Channel, Island MN	35.77	-75.586667	Herring gull	6/8/2004	2004	15	visual total estimate
Roanoke Sound, Island D	35.8	-75.5833333	Herring gull	6/18/2004	2004	32	visual total estimate
Roanoke Sound, Island F	35.8077778	-75.592778	Herring gull	6/18/2004	2004	5	visual total estimate
Sand Bag Island	34.68	-76.5333333	Herring gull	6/7/2004	2004	48	visual total estimate
Shell Castle Island, East	35.1	-76.05	Herring gull	5/25/2004	2004	20	total ground count

Shell Island	34.9827778	-76.198333	Herring gull	5/24/2004	2004	25	
Wainwright Island	34.9916667	-76.208333	Herring gull	5/24/2004	2004	19	total ground count
Big Deep Marsh Island	34.6916667	-76.496667	Laughing gull	6/7/2004	2004	888	partial count and projection
Ferry Slip Island	33.975	-77.941667	Laughing gull	6/7/2004	2004	1062	partial count and projection
Gull Island	35.4666667	-75.520833	Laughing gull	7/14/2004	2004	1965	visual total estimate
Hog Island	35.3680556	-76.063889	Laughing gull	7/1/2004	2004	800	visual total estimate
Little Deep Marsh Island	34.68	-76.501667	Laughing gull	6/7/2004	2004	1048	partial count and projection
Morgan Island	34.6616667	-76.525	Laughing gull	5/20/2004	2004	73	total ground count
New Dump Island	34.8666667	-76.333333	Laughing gull	5/26/2004	2004	150	visual total estimate
North Pelican Island 1	33.993619	-77.938786	Laughing gull	5/18/2004	2004	1	total ground count
North Pelican Island 3	34.001207	-77.934925	Laughing gull	5/18/2004	2004	1	total ground count
Old-House Channel, Island MN	35.77	-75.586667	Laughing gull	6/8/2004	2004	1	total ground count
Raccoon Island	35.0666667	-76.433333	Laughing gull	5/25/2004	2004	5500	visual total estimate
Rush Island	34.6816667	-76.495	Laughing gull	6/7/2004	2004	1	total ground count
Sand Bag Island	34.68	-76.533333	Laughing gull	6/7/2004	2004	2982	partial count and projection
Striking Island	33.9080556	-77.997778	Laughing gull	6/7/2004	2004	314	total ground count
Swan Island	35.08	-76.418333	Laughing gull	5/25/2004	2004	2	total ground count
UNI, Back Sound 4	34.6583333	-76.537222	Laughing gull	6/7/2004	2004	1	total ground count
UNI, Barden Inlet Channel	34.6569444	-76.516111	Laughing gull	6/7/2004	2004	4	total ground count
UNI, Cape Fear River 3	33.9838889	-77.94	Laughing gull	5/18/2004	2004	6	total ground count
Whitehurst Island	34.6561111	-76.516111	Laughing gull	6/7/2004	2004	123	total ground count
Raccoon Island	35.0666667	-76.433333	Least bittern	5/25/2004	2004	1	visual total estimate
Atlantic Beach Food Lion	34.6944444	-76.766667	Least tern	5/28/2004	2004	179	total ground count
Avon, Ramp 34	35.3666667	-75.491667	Least tern	6/1/2004	2004	18	total ground count
Beach Northside Hatteras Inlet	35.1916528	-75.744819	Least tern	6/1/2004	2004	105	total ground count
Beach Northside Oregon Inlet	35.7769639	-75.536397	Least tern	6/1/2004	2004	10	total ground count
Bird Shoal	34.7075	-76.661111	Least tern	6/2/2004	2004	4	visual total estimate
Bogue Inlet Shoal	34.6461111	-77.116667	Least tern	5/27/2004	2004	37	total ground count
Bogue Inlet, West	34.6383333	-77.125	Least tern	6/1/2004	2004	57	perimeter count
Brant Island	34.7083333	-76.7	Least tern	6/22/2004	2004	5	total ground count
Buxton Washout	35.2666667	-75.533333	Least tern	6/1/2004	2004	69	total ground count
Cape Lookout Point	34.5930556	-76.5375	Least tern	6/1/2004	2004	86	total ground count
Cedar Island Ferry Terminal	35.0166667	-76.3125	Least tern	6/23/2004	2004	7	total ground count
Core Banks Beach, Drum Inlet, North	34.905	-76.25	Least tern	6/1/2004	2004	16	total ground count
Core Banks Beach, Drum Inlet, South	34.8441667	-76.316111	Least tern	6/1/2004	2004	16	total ground count
Core Banks, Power Squad Spit	34.6248028	-76.5523	Least tern	6/1/2004	2004	1	total ground count
Core Beach, Cape Lookout	34.6833333	-76.483333	Least tern	6/1/2004	2004	18	total ground count
Currituck Beach Overwash, NWR	36.4666667	-75.85	Least tern	7/13/2004	2004	2	total ground count
Emerald Plantation Shopping Center	34.6638889	-77.045833	Least tern	5/28/2004	2004	205	perimeter count
Hatteras Beach Site 6	35.5166667	-75.466667	Least tern	6/1/2004	2004	60	total ground count
Hatteras Beach Site 7	35.4544444	-75.480556	Least tern	6/1/2004	2004	2	total ground count
Hatteras Ramp 30	35.4166667	-75.483333	Least tern	6/1/2004	2004	2	total ground count
Hatteras, Ramp 43	35.2333333	-75.525	Least tern	6/1/2004	2004	6	total ground count

0020522

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ICW dredge island Saunders creek	34.6402778	-77.181944	Least tern	6/30/2004	2004	2	perimeter count
ICW, dredge island south of Surf City	34.4333333	-77.554167	Least tern	5/17/2004	2004	12	perimeter count
Mason Inlet, Southside	34.2361111	-77.766667	Least tern	5/14/2004	2004	338	total ground count
Masonboro Island Beach	34.1583333	-77.830556	Least tern	6/2/2004	2004	18	total ground count
Morehead City Food Lion	34.73455	-76.807853	Least tern	5/28/2004	2004	25	visual total estimate
Nags Head, Outer Banks Mall	35.9352778	-75.613889	Least tern	6/18/2004	2004	150	perimeter count/other(207 chicks & 50 adults brooding or i
New Bern Food Lion Hwy 70E	35.0972222	-77.040278	Least tern	6/10/2004	2004	10	visual total estimate
New River Inlet, Northside	34.5366667	-77.336667	Least tern	6/2/2004	2004	2	visual total estimate
New Topsail Inlet, Northside	34.345	-77.658333	Least tern	6/1/2004	2004	65	perimeter count
Ocracoke Inlet Beach, North	35.0666667	-76.013889	Least tern	6/9/2004	2004	14	total ground count
Ocracoke Inlet Beach, South	35.0666667	-76.05	Least tern	6/1/2004	2004	35	total ground count
Old Drum Inlet, North	34.885	-76.276944	Least tern	6/1/2004	2004	39	total ground count
Old Topsail Inlet, North	34.33	-77.676667	Least tern	6/1/2004	2004	93	total ground count
Oregon Inlet Beach, South	35.7758333	-75.530556	Least tern	6/8/2004	2004	309	total ground count
Pea Island Beach, Cedar Hammock	35.6638889	-75.475833	Least tern	6/8/2004	2004	1	total ground count
Pea Island Beach, Pole Shed	35.7	-75.483333	Least tern	6/8/2004	2004	12	total ground count
Rich Inlet, Northside	34.3	-77.713889	Least tern	6/1/2004	2004	125	total ground count
Rich Inlet, Southside	34.3	-77.716667	Least tern	6/21/2004	2004	12	total ground count
Shallotte Inlet, West	33.9041667	-78.391667	Least tern	6/3/2004	2004	3	total ground count
Sunset Beach, Development Site	33.8741667	-78.493056	Least tern	5/24/2004	2004	30	total ground count
Swash Inlet, Beach	35.0236111	-76.097222	Least tern	6/1/2004	2004	7	total ground count
Twin Rivers Mall, New Bern	35.0833333	-77.1	Least tern	6/10/2004	2004	60	perimeter count
UNI, Bogue Sound 7	34.7083333	-76.966667	Least tern	5/27/2004	2004	36	total ground count
UNI, Entrance Bogue Inlet 1	34.6708333	-77.093056	Least tern	5/27/2004	2004	20	perimeter count
UNI, New River Channel 2	34.5566667	-77.348333	Least tern	5/21/2004	2004	22	perimeter count
Wilmington, Old Navy	34.2291667	-77.883333	Least tern	6/4/2004	2004	63	perimeter count
Battery Island, North	33.915	-78.008333	Little blue heron	5/5/2004	2004	1	total ground count
Battery Island, South	33.9083333	-78.011667	Little blue heron	5/5/2004	2004	85	total ground count
Catfish Lake Impoundment	34.97	-77.133333	Little blue heron	6/11/2004	2004	30	visual total estimate
Dot Island	35.2166667	-75.75	Little blue heron	5/11/2004	2004	70	total ground count
Hog Island	35.3680556	-76.063889	Little blue heron	7/1/2004	2004	11	visual total estimate
Horse Pen Point	35.1191667	-75.965833	Little blue heron	5/12/2004	2004	67	total ground count
Monkey Island	36.4083333	-75.856944	Little blue heron	5/18/2004	2004	380	total ground count
Morgan Island	34.6616667	-76.525	Little blue heron	5/20/2004	2004	436	total ground count
North Pelican Island 2	33.997934	-77.937316	Little blue heron	5/18/2004	2004	2	total ground count
North Pelican Island 3	34.001207	-77.934925	Little blue heron	5/18/2004	2004	3	total ground count
Old-House Channel, Island L	35.7805556	-75.583333	Little blue heron	5/11/2004	2004	49	total ground count
Raccoon Island	35.0666667	-76.433333	Little blue heron	5/25/2004	2004	2	total ground count
Rawls Island	35.5722222	-75.845833	Little blue heron	5/10/2004	2004	139	total ground count
Roanoke Sound, Island G	35.8180556	-75.590278	Little blue heron	5/10/2004	2004	9	total ground count
UNI, Cape Fear River 3	33.9838889	-77.94	Little blue heron	5/18/2004	2004	7	total ground count
Woods Island (Cat Island)	34.6875	-76.952778	Little blue heron	5/7/2004	2004	63	total ground count
Big Foot Island	35.15	-76	Royal tern	6/9/2004	2004	8102	total ground count

0020523

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Clam Shoal	35.3	-75.666667	Royal tern	6/17/2004	2004	123	total ground count
Ferry Slip Island	33.975	-77.941667	Royal tern	6/7/2004	2004	2508	total ground count
New Dump Island	34.8666667	-76.333333	Royal tern	5/26/2004	2004	150	total ground count
Old-House Channel, Island L	35.7805556	-75.583333	Royal tern	6/8/2004	2004	666	total ground count
Sand Bag Island	34.68	-76.533333	Royal tern	7/30/2004	2004	1589	other (band data)
South Pelican Island	33.9266667	-77.975	Royal tern	6/7/2004	2004	386	total ground count
Big Foot Island	35.15	-76	Sandwich tern	6/9/2004	2004	1207	total ground count
Ferry Slip Island	33.975	-77.941667	Sandwich tern	7/30/2004	2004	876	other (band data)
New Dump Island	34.8666667	-76.333333	Sandwich tern	7/30/2004	2004	2	other (band data)
Old-House Channel, Island L	35.7805556	-75.583333	Sandwich tern	6/8/2004	2004	8	total ground count
Sand Bag Island	34.68	-76.533333	Sandwich tern	7/30/2004	2004	472	other (band data)
South Pelican Island	33.9266667	-77.975	Sandwich tern	6/7/2004	2004	70	total ground count
Dot Island	35.2166667	-75.75	Snowy egret	5/11/2004	2004	39	total ground count
Hog Island	35.3680556	-76.063889	Snowy egret	7/1/2004	2004	8	perimeter count
Horse Pen Point	35.1191667	-75.965833	Snowy egret	5/12/2004	2004	26	total ground count
Monkey Island	36.4083333	-75.856944	Snowy egret	5/18/2004	2004	82	total ground count
Morgan Island	34.6616667	-76.525	Snowy egret	5/20/2004	2004	72	total ground count
New Dump Island	34.8666667	-76.333333	Snowy egret	5/26/2004	2004	7	total ground count
North Pelican Island 1	33.993619	-77.938786	Snowy egret	5/18/2004	2004	24	total ground count
North Pelican Island 2	33.997934	-77.937316	Snowy egret	5/18/2004	2004	6	total ground count
North Pelican Island 3	34.001207	-77.934925	Snowy egret	5/18/2004	2004	10	total ground count
North Rock Island	35.1083333	-76.07	Snowy egret	5/25/2004	2004	2	total ground count
Raccoon Island	35.0666667	-76.433333	Snowy egret	5/25/2004	2004	63	total ground count
Rawls Island	35.5722222	-75.845833	Snowy egret	5/10/2004	2004	46	total ground count
Roanoke Sound, Island G	35.8180556	-75.590278	Snowy egret	5/10/2004	2004	18	total ground count
UNI, Cape Fear River 3	33.9838889	-77.94	Snowy egret	5/18/2004	2004	15	total ground count
Woods Island (Cat Island)	34.6875	-76.952778	Snowy egret	5/7/2004	2004	28	total ground count
Battery Island, North	33.915	-78.008333	Tricolored heron	5/5/2004	2004	5	total ground count
Battery Island, South	33.9083333	-78.011667	Tricolored heron	5/5/2004	2004	287	total ground count
Chainshot Island	34.99	-76.235	Tricolored heron	5/24/2004	2004	1	total ground count
Dot Island	35.2166667	-75.75	Tricolored heron	5/11/2004	2004	32	total ground count
Gull Island	35.4666667	-75.520833	Tricolored heron	7/14/2004	2004	4	perimeter count
Hog Island	35.3680556	-76.063889	Tricolored heron	7/1/2004	2004	37	perimeter count
Horse Pen Point	35.1191667	-75.965833	Tricolored heron	5/12/2004	2004	41	total ground count
Monkey Island	36.4083333	-75.856944	Tricolored heron	5/18/2004	2004	25	total ground count
Morgan Island	34.6616667	-76.525	Tricolored heron	5/20/2004	2004	555	total ground count
North Pelican Island 1	33.993619	-77.938786	Tricolored heron	5/18/2004	2004	81	total ground count
North Pelican Island 2	33.997934	-77.937316	Tricolored heron	5/18/2004	2004	9	total ground count
Old-House Channel, Island L	35.7805556	-75.583333	Tricolored heron	5/11/2004	2004	11	total ground count
Raccoon Island	35.0666667	-76.433333	Tricolored heron	5/25/2004	2004	250	total ground count
Rawls Island	35.5722222	-75.845833	Tricolored heron	5/10/2004	2004	15	total ground count
Roanoke Sound, Island G	35.8180556	-75.590278	Tricolored heron	5/10/2004	2004	18	total ground count
UNI, Cape Fear River 3	33.9838889	-77.94	Tricolored heron	5/18/2004	2004	14	total ground count

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Woods Island (Cat Island)	34.6875	-76.952778	Tricolored heron	5/7/2004	2004	317	total ground count
Battery Island, South	33.9083333	-78.011667	White ibis	5/5/2004	2004	11504	total ground count
Dot Island	35.2166667	-75.75	White ibis	5/11/2004	2004	74	total ground count
Hog Island	35.3680556	-76.063889	White ibis	7/1/2004	2004	21	perimeter count
Horse Pen Point	35.1191667	-75.965833	White ibis	5/12/2004	2004	148	total ground count
Morgan Island	34.6616667	-76.525	White ibis	5/20/2004	2004	858	total ground count
North Pelican Island 1	33.993619	-77.938786	White ibis	5/18/2004	2004	3	total ground count
Raccoon Island	35.0666667	-76.433333	White ibis	5/25/2004	2004	31	total ground count
Rawls Island	35.5722222	-75.845833	White ibis	5/10/2004	2004	2	total ground count
Roanoke Sound, Island G	35.8180556	-75.590278	White ibis	5/10/2004	2004	1467	total ground count
UNI, Cape Fear River 3	33.9838889	-77.94	White ibis	5/18/2004	2004	38	total ground count
Woods Island (Cat Island)	34.6875	-76.952778	White ibis	5/7/2004	2004	246	total ground count
Cotswold, Site 2	35.1808333	-80.791667	Yellow-crowned night-heron	6/7/2004	2004	1	total ground count
Cotswold, Site 3	35.1866667	-80.803333	Yellow-crowned night-heron	6/14/2004	2004	1	total ground count
Midwood Plaza	35.2305556	-80.816667	Yellow-crowned night-heron	4/12/2004	2004	2	total ground count
Ocracoke Village	35.1083333	-75.98	Yellow-crowned night-heron	5/21/2004	2004	2	visual total estimate

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shorebirdobs

SITENAME	date	year	Name	num of num bre	Survey	txtDegLat	txtMinLat	txtSecLat	txtDegLon	txtMinL	comments
AIWW South Topsail	5/17/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	0	0		0	0	Scrapes observed on west side of channel just south of marker 83. Single bird part of a pair
New River Inlet	5/21/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	33		0	77	21 Adult carrying food. On north side of island behind UNI1 on west side of channel
AIWW East Holden Beach south to Sunset Beach	4/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	Nest with 3 eggs observed
AIWW East Holden Beach south to Sunset Beach	4/28/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	0	0		0	0	2 pairs fighting; only small amount of high ground on island, found a scrape at 33 51.443/78 32.807
AIWW East Holden Beach south to Sunset Beach	4/28/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	just behind West end of Ocean Isle
AIWW East Holden Beach south to Sunset Beach	4/28/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	just behind west end of Ocean Isle.
Bird Island	4/28/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	51	17.99995422	78	32	
AIWW East Holden Beach south to Sunset Beach	5/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	S of channel marker 44. Non site committal Pair
AIWW East Holden Beach south to Sunset Beach	5/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	Scrapes observed on west side of channel near channel marker 42
AIWW East Holden Beach south to Sunset Beach	5/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	Nest with 3 eggs observed on west side of channel near marker 1 at mouth of river
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	33	57	12	77	55	Single bird part of a pair, nest with 2 eggs observed. ~200m past sign ending vehicles.
AIWW South Topsail	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	nest with 2 eggs observed on east side of channel just south of channel marker 83
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	nest with 2 eggs observed, nest roped off
AIWW South Topsail	5/17/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	0	0		0	0	no suitable nesting habitat nearby, not near other nest sites
AIWW South Topsail	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	Just North of swing bridge on west side of channel
AIWW South Topsail	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	Started territorial flights with previous pair
AIWW South Topsail	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	Behind Surf City, near marker 53 on west side of channel
AIWW South Topsail	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	just South of marker 49. 1 bird banded
AIWW South Topsail	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	non site committal; across from channel marker "6"; on east side of channel
UNI, New River Channel 2	5/21/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	33	24	77	20	nest with 3 eggs observed
UNI, New River Channel 3	5/21/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	33	43	77	21	brooding 1 chick, 1 AMOY banded
New River Inlet	5/21/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	33	0	77	21	1 chick observed on island behind UNI1 on west side of channel
UNI, Back Sound 4	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	30	76	32	
AIWW East Holden Beach south to Sunset Beach	5/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	nest with 2 eggs observed between markers 5 & 6 on North side of river
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	between crossovers 1 & 2
CLNS North Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	30	76	18	at Mile 15.6, at high tide
UNI, Back Sound 4	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	30	76	32	nest observed with 2 eggs
UNI, Back Sound 4	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	30	76	32	1 large chick observed, also observed 1 dead chick
CLNS Middle Core Banks	5/19/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	15	76	19	north end; nest with eggs pipping, mid to high tide
CLNS Middle Core Banks	5/19/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	15	76	19	.4 miles from north end; 2 chicks observed, ~ 5 days old, mid to high tide
CLNS Middle Core Banks	5/19/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	15	76	19	.6 miles from north end; 2 chicks observed, ~ 3 days old, mid to high tide
CLNS Middle Core Banks	5/19/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	15	76	19	1.3 miles from north end.; nest observed with 1 chick and 1 egg, mid to high tide
CLNS Middle Core Banks	5/19/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	15	76	19	2.6 miles from north end; nest observed with 1 egg, mid to high tide
Ocean Isle	4/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	0	78	23	East end of Ocean Isle. Nest observed with 2 eggs.
Bald Head Island	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	51	0	77	58	~2 miles past sign
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	between crossovers 1 & 2
New River Inlet	5/21/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	33	0	77	21	on island just west of previously described island (near UNI 1)
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	between crossovers 1 & 2
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	at crossover # 2, nest with 3 eggs roped off
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	between crossovers 2 & 3, nest with 1 egg near high tide line
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	Pair non site committal, not concerned with our presence, observed between crossover 2 & 3
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	at crossover 3
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	just north of crossover 4
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	at crossover 4 on the beach
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	33	57	12	77	55	Flew over from beach near a nesting pair, may be part of a trio? Or a single bird?
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	between cross over 4 and end of traffic; nest with 2 eggs observed- may be a trio with previous single AMOY
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	between crossover 4 and end of vehicle traffic
Fort Fisher State Recreation Area	6/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	57	12	77	55	between crossovers 1 & 2
CHNS Ocracoke Island Northend	4/19/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	16	75	46	nest with 3 eggs observed 3.2 miles south of ramp 59. Adult banded, G-22, 875-98361
New River Inlet	5/21/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	33	0	77	21	on island behind UNI1 on west side of channel
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	scrape observed, west of Emerald Isle bridge
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	nest with 2 eggs observed, west of Emerald Isle bridge
Rawls Island	5/10/2004	2004	American Oystercatcher	3	1 AMOY/WIPL Survey	35	34	20	75	50	birds part of a trio

Old House Channel, Island L	5/11/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	35	46	24	75	35	
Wells Island	5/12/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	35	43	56	75	36	nest with 1 egg and 1 chick observed, single bird part of a pair
DOT Island	5/12/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	13	0	75	45	appeared to be incubating, on east side of DOT island
DOT Island	5/12/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	13	0	75	45	appeared to be incubating, on east side of DOT island
DOT Island	5/12/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	13	0	75	45	on west side of island
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	between markers 31 & 32; very defensive when in the area, assume they had a chick
Ocracoke-Springer Pt	5/12/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	6	55	75	59	
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	2 chicks observed; near marker 31
CHNS Ocracoke Island Southend	4/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	0	76	0	nest with 3 eggs observed .8 miles south of ramp 72, Adult banded, G-21; Fledged Chicks banded B:G/S Y:W & O:G/S Y:B
CHNS Ocracoke Island Northend	4/28/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	16	75	46	located .1 miles north of ramp 67; nest with 3 eggs observed, lost nest on 5/17/04; renesting on 6/8/04 at 35 8.2548/ 75 53.5116; Banded adult G-49, Banded Fledged Chicks G-83 & G-84
CHNS Ocracoke Island Northend	5/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	16	75	46	nest with 3 eggs observed .3 miles north of ramp 59, nest lost on 5/17/04 due to nutria; renesting on 6/1/04 at 35 11.1318/75 46.4028, nest washed out on 6/10/04; another renesting on 6/9/04 at 35 4.2642/76 0.75
CHNS Ocracoke Island Northend	5/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	16	75	46	2.5 miles north of ramp 67; Fledged chick banded G-50 875-98400
CHNS Ocracoke Island Northend	5/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	16	75	46	.8 miles south of ramp 59; Fledged chick banded G-51 875-98401
CHNS Ocracoke Island Southend	5/9/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	0	76	0	1.2 miles north of ramp 70; Banded adults O:G(B)/S O:- & G-14 875-98333; Banded Fledged Chicks G-47 875-98397 & G-48 875-98398
CHNS Ocracoke Island Southend	5/10/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	0	76	0	nest with 2 eggs observed .7 miles north of ramp 72; Banded adult G-13 2406-0041
CHNS Bodie Island	5/4/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	47	0	75	32	nest with 2 eggs lost, grey fox tracks seen around nest; renested on 5/16/04 at 35 46.7454/75 32.1678, nest lost, unknown; renest on 6/12/04 at 35 46.7748/75 32.1126, nest lost
CHNS Bodie Island	5/10/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	47	0	75	32	nest lost on 5/24/04, dog tracks near nest
CHNS Bodie Island	5/14/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	47	0	75	32	nest lost, renested on 5/24/04 at 35 46.6914/ 75 32.1126, nest lost; renested on 6/21/04 at 35 46.725/75 32.187, nest lost
DOT Island	5/12/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	13	0	75	45	on west end of island
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	Non site committal pair, behind White Oak River Bistro
AIWW Bogue Inlet south to North Topsail	5/21/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0	0	0	0	nest with 3 eggs observed in Howard's Bay near channel marker 69. 1 AMOY banded
AIWW Bogue Inlet south to North Topsail	5/21/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	0	0	0	0	0	near marker 68; non-site committal
Pamlico Sound-Berrys Bay	6/23/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	32	50	75	55	seen during aerial survey
Browns Island, Carteret County	7/2/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	34	42	20.11	76	31	South side of Browns Island; non-site committal
Browns Island, Carteret County	7/2/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	34	42	20.11	76	31	South side of Browns Island, both pairs were non site committal
Davis Marsh	7/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	46	0	76	28	North shoreline, pair non site committal
Dudley Island	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	15	77	6	nest with 3 eggs observed
Dudley Island	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	15	77	6	nest with 3 eggs observed on east end of Dudley Island
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	34	40	0	77	7	Just past Emerald Island bridge on east side of creek, no nesting habitat nearby
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	nest with 2 eggs observed, near marker 31
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	34	40	0	77	7	just past White Oak Bridge
Woods Island	5/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	41	15	76	57	
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	2 large chicks observed on island off of CASPERS; UNI, Swansboro 3 in CWB database
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	island off of CASPERS; UNI, Swansboro 3 in CWB database
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	island behind the Nancy Lee and Phillips Seafood
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	34	40	0	77	7	nest observed with 3 eggs on island across from Swansboro, Single bird part of a pair
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	island across from mouth of Queens Creek
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	2 large chicks observed on island near mouth of Queens Creek
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	3 chicks observed; between channel markers 27 & 28
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	1 chick observed; near channel marker 28
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	1 chick observed; near marker 29
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	one cold egg found, nest appears to be washed out, near marker 31
Bogue Sound/Bogue Inlet	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	Non site committal pair, just past White Oak Bridge, no suitable nesting habitat nearby
CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	12	76	19	at mile 22.3, at high tide
Dump Island	6/29/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	54	0	76	17	
CLNS South Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	35	25	76	32	at mile 36.3, at high tide
CLNS South Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	35	25	76	32	at mile 33.5, at high tide
CLNS South Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	35	25	76	32	at mile 32.5, at high tide

CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	12	76	19 at mile 31.9, at high tide
CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	12	76	19 at mile 29.0, at high tide
CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	12	76	19 at mile 27.1, at high tide
CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	12	76	19 at mile 25.7, at high tide
CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	12	76	19 at mile 25.4, at high tide
CLNS South Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	35	25	76	32 at mile 38.8, at high tide
CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	12	76	19 at mile 23.4, at high tide
CLNS South Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	35	25	76	32 at mile 39.7; 2 chicks observed; at high tide
CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	12	76	19 at mile 22.5, at high tide
CLNS Shackleford Banks	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	76	35 at mile 47.3, high to mid tide
CLNS Shackleford Banks	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	76	35 at Horse Pen, high to mid tide
CLNS Shackleford Banks	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	76	35 at mile 49.5, pair non site committal, high to mid tide
Old House Channel, Island MN	6/8/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	35	45	55.44	75	35
New Dump Island	5/26/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	52	0	76	20 1 chick observed on SE side of island
New Dump Island	5/26/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	52	0	76	20
UNI, Swash Inlet Marsh Island	5/6/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	0	0	76	7 Marsh island near Swash Inlet, 1st inlet south of Portsmouth
Point of Grass	4/15/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	35	2	0	76	21 near Cedar Island
UNI, Back Sound 4	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	30	76	32 nest observed with 2 eggs
CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	12	76	19 at mile 24.6, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 6.15, 6 AMOYs fighting/displaying, 2 pairs eventually flew off and one pair remained at nest site, at high tide
CLNS North Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	30	76	18 at Mile 15.0, at high tide
CLNS North Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	30	76	18 at Mile 13.8, at high tide
CLNS North Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	30	76	18 at Mile 10.7, at high tide
CLNS North Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	30	76	18 at Mile 10.3, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 8.9, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 7.15, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 6.9, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 6.3, Single bird part of a pair, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 6.01, at high tide
CLNS South Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	35	25	76	32 at mile 37.3, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 6.15, 6 AMOYs fighting/displaying, 2 pairs eventually flew off and one pair remained at nest site, at high tide
Middle Marshes	6/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	42	0	76	36 North side of Middle Marshes
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 3.9, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 3.7, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 3.4, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 3.0, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	35	2	30	76	3 at Mile 2.0, non-site committal; at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 0.7, Single bird part of a pair, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 0.1, Single bird part of a pair, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 0.0, 3 chicks about 1 week old, at high tide
CLNS South Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	35	25	76	32 at Mile 43.9, pair with 3 chicks observed; at high tide
CLNS South Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	35	25	76	32 at mile 40.0, at high tide
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 6.15, 6 AMOYs fighting/displaying, 2 pairs eventually flew off and one pair remained at nest site, at high tide
Morgan Island	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	42	76	31 Nest observed with 1 egg. On NE side of Morgan Is.
Brett Bay Island	5/26/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	49	30	76	25 nest with 3 eggs
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49 Very agitated, chicks probably nearby.
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49 Scrapes observed.
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49
Morgan Island	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	42	76	31 Nest observed with 2 eggs. On NE side of Morgan Is.

Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	
Morgan Island	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	42	76	31	1 chick observed with adults on west side of marsh edge.
Morgan Island	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	42	76	31	
Morgan Island	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	42	76	31	Nest observed with 1 egg.
Morgan Island	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	42	76	31	on East side of Morgan Is
Morgan Island	5/20/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	34	39	42	76	31	Single bird part of a trio of the first three pairs in this record.
Sandbag Island	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	32	76	31	
Sandbag Island	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	32	76	31	
Tump Island	5/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	58	58	76	23	1 large chick observed
Newstump Point, Piney Island	5/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	1	30	76	26	South of Newstump Point at canal.
Topsail Beach South	5/14/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	20	42	77	39	nest observed with 3 eggs
Morgan Island	5/20/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	39	42	76	31	Nest observed with 1 egg and 1 chick. On NE side of Morgan Is.
Bogue Sound/Bogue Inlet	6/30/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	Along Bear Island Channel, Pair non site committal
Middle Marshes	6/24/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	34	42	0	76	36	one adult but part of a pair, North side of Middle Marshes
Middle Marshes	6/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	42	0	76	36	1 large chick observed, NE side of Middle Marshes
Middle Marshes	6/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	42	0	76	36	NE side of Middle Marshes
Middle Marshes	6/24/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	34	42	0	76	36	1 pair with 1 large chick, East side of Middle Marsh
Middle Marshes	6/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	42	0	76	36	East side of Middle Marsh
Middle Marshes	6/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	42	0	76	36	nest with 1 egg, East side of Middle Marsh
North River Marshes	6/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	43	30	76	36	East side of North River Marshes
Bogue Sound/Bogue Inlet	6/30/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	behind Bear Island, Pair non site committal
Bogue Sound/Bogue Inlet	6/30/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	34	40	0	77	7	South of Bear Island Headquarter on West side of Channel; pair non-site committal
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	Nest with 2 eggs observed.
Bogue Sound/Bogue Inlet	6/30/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	34	40	0	77	7	By Bear Island channel. Single bird seen, part of a pair. Nest with 2 eggs observed.
CHNS Hatteras Island	4/23/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	26	0	75	29	1 mile south of ramp 27
Bogue Sound/Bogue Inlet	6/30/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	Near marker 65A, pair non site committal
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	~.5 miles south of inlet
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	>.5 miles south of N end
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	3 chicks observed
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	~ 1 mile South from N end
Masonboro Island North	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	10	30	77	49	Nest observed with 2 eggs. ~ 1 mile south of N end
Masonboro Island North	6/2/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	34	10	30	77	49	
Bogue Sound/Bogue Inlet	6/30/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	0	77	7	behind Bear Island, channel edge
Oregon Inlet Shoal	5/10/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	45	56	75	32	renested on west side of island
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52	nest with 2 eggs observed
Harbor Island	5/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	59	40	76	13	
AIWW North Topsail south to South Figure 8	6/18/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	0	0		0	0	north of Figure 8 Bridge
CHNS Hatteras Island Southend	4/22/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	38	75	44	Buxton washout, 3 miles s of R38; nest with 3 eggs observed, all 3 chicks lost, 1 due to cat predation
CHNS Hatteras Island Southend	4/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	38	75	44	.6 miles south of ramp 55. nest with 3 eggs observed, 2 eggs lost, 1 chick probably hit by ORV
CHNS Bight and Point of Hatteras Island	4/30/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	14	18	75	32	.3 miles South of the Point, nest with 2 eggs observed, nest lost due to mammalian predation, reneon on 5/24/04, nest lost on 6/18/04 due to human destruction
Striking Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	29	77	59	
CHNS Hatteras Island	5/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	26	0	75	29	Avon, .9 miles north of ramp 34, nest with 3 eggs observed, 1 chick fledged
Striking Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	29	77	59	2 chicks observed
CHNS Hatteras Island Southend	5/8/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	38	75	44	Hatteras Inlet Spit, 2.8 miles south of ramp 55 nest with 3 eggs observed
Oregon Inlet Shoal	4/23/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	45	56	75	32	
CHNS Hatteras Island	7/5/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	26	0	75	29	1.6 miles south of ramp 30
Newport River	6/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	43	30	76	41	birds on east side of channel
Newport River	6/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	43	30	76	41	on east side on channel
Newport Marshes	6/22/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	44	0	76	42	
CHNS Bight and Point of Hatteras Island	4/30/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	14	18	75	32	Cape Point, "Middle closure" between Salt Pond Rd and ramp 45. nest with 2 eggs observed, lost on 5/7/04, reneon on 5/24/04 1 chick run over by ORV
Shell Bed Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	33	77	59	

Rich Inlet, South Channel	6/18/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	17	30	77	43 2 chicks observed
Shell Castle Island East	5/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	6	0	76	3
Shell Castle Island East	5/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	6	0	76	3
Shell Castle Island East	5/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	6	0	76	3
Shell Bed Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	33	77	59 1 chick observed
Shell Bed Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	33	77	59
Striking Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	29	77	59
Shell Bed Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	33	77	59 1 chick observed
Phillips Island	6/22/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	43	48	76	41 1 large chick observed on SE side of island
Striking Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	29	77	59
Striking Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	29	77	59
Striking Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	29	77	59 1 chick observed
Striking Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	29	77	59
Striking Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	29	77	59 2 chicks observed
Striking Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	29	77	59 3 chicks observed
Shell Bed Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	33	77	59
CHNS Ocracoke Island Southend	4/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	0	76	0 East Horse Pen Point
CLNS Shackleford Banks	5/20/2004	2004	American Oystercatcher	6	3 AMOY/WIPL Survey	34	40	0	76	35
Wrightsville Beach	6/18/2004	2004	American Oystercatcher	6	3 AMOY/WIPL Survey	34	14	0	77	46
Pea Island NWR	7/1/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	35	41	0	75	28
AIWW Bogue Inlet south to North Topsail	5/21/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	0	0		0	0 as we approached it, the bird flew over inlet to other side before marker 11; non-site committal
Little Deep Marsh Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	48	76	30 nest with 2 eggs on wrack
UNI, NE of Browns Island	7/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	42	50	76	31 Small island off NE end of Browns Island, Pair non site committal
Newport Marshes	6/22/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	44	0	76	42
CHNS Ocracoke Island Southend	4/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	0	76	0 Wickstrom Beach
Figure 8 Island South	7/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	14	45	77	46
CHNS Ocracoke Island Southend	4/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	0	76	0 small island (Awesome Devil Shoal) across from ramp 68
UNI, South of Casey Island	5/6/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	30	76	3
Casey Island	5/6/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	36	76	3
CLNS North Core Banks Northend	5/17/2004	2004	American Oystercatcher	1	1 AMOY/WIPL Survey	35	2	30	76	3 at Mile 9.5, Single part of a pair, at high tide
CLNS North Core Banks Southend	5/17/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	51	30	76	18 mile 18.5; nest with 3 eggs (2 hatching)
Sunset Beach, Development Site	4/28/2004	2004	American Oystercatcher	6	3 AMOY/WIPL Survey	33	52	27	78	29 site about to be developed; 1 nest with 3 eggs; 1 adult incubating; 1 pair territorial
UNI, Entrance to Bogue Inlet 1	5/27/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	40	15	77	5 Pair site committal
Bogue Sound, Morehead City	6/24/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	34	42	30	76	43 Behind Atlantic Beach & South of Brandt Island
CHNS Hatteras Island Southend	5/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	38	75	44 Hatteras Inlet, 2.3 miles south of ramp 55. nest with 3 eggs observed
Phillips Island	6/22/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	43	48	76	41 1 large chick observed on NE side of island
Brant Island	6/22/2004	2004	American Oystercatcher	3	AMOY/WIPL Survey	34	42	30	76	42 3 single birds at center pond; non-site committal
Bogue Sound, Morehead City	6/22/2004	2004	American Oystercatcher	6	AMOY/WIPL Survey	34	42	30	76	43 on marsh across channel from the boat ramp; non-site committal; birds observed in a flock; same as UNI, Bogue Sound 8 in CWB database
Oregon Inlet, Island C	5/11/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	46	35	75	34
UNI, Hatteras Ferry Channel 1	5/11/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	12	50	75	43
CLNS South Core Banks Northend	5/17/2004	2004	American Oystercatcher	6	3 AMOY/WIPL Survey	34	51	12	76	19 at high tide
Bogue Sound, Morehead City	6/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	42	30	76	43 Behind Atlantic Beach & South of Brandt Island
CHNS Ocracoke Island Southend	4/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	0	76	0 between Springers Point and South Point
Bird Shoals (Rachel Carson Reserve)	6/8/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	34	42	0	76	40 1 appeared to be on a nest or scrape
Atlantic Beach	5/1/2004	2004	American Oystercatcher	4	2 AMOY/WIPL Survey	34	42	0	76	44 Condos near Triple Ess Pier
Sugarloaf Island	6/22/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	43	0	76	42 1 large chick observed on east side of island
Clam Shoal	6/17/2004	2004	American Oystercatcher	1	AMOY/WIPL Survey	35	18	0	75	40
Figure 8 Island North	7/1/2004	2004	American Oystercatcher	8	4 AMOY/WIPL Survey	34	17	20	77	43
CHNS Ocracoke Island Southend	6/9/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	4	0	76	0 Southpoint, nest washed out on 6/9/04
Phillips Island	6/22/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	43	48	76	41 1 large chick observed on SW side of island
Roanoke Sound, Island G	5/10/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	49	5	75	35 Pair was site committal
Ferry Slip Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	58	30	77	56
North Rock Island	5/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	6	30	76	4
South Pelican Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	55	35.99990845	77	58 nest with 3 eggs observed
South Pelican Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	55	35.99990845	77	58 nest with 2 eggs observed
South Pelican Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	55	35.99990845	77	58 nest with 2 eggs observed

South Pelican Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	55	35.99990845	77	58
Ferry Slip Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	58	30	77	56 nest with 3 eggs observed
South Pelican Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	55	35.99990845	77	58
Ferry Slip Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	58	30	77	56 nest with 3 eggs observed
South Pelican Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	55	35.99990845	77	58
Ferry Slip Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	58	30	77	56 1 chick observed
Ferry Slip Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	58	30	77	56
Shell Island	5/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	58	58	76	11
Wainright Island	5/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	59	30	76	12
Chainshot Island	5/24/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	59	24	76	14
North Rock Island	5/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	6	30	76	4
Ferry Slip Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	58	30	77	56 1 chick observed
Battery Island, South	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	30	78	0
CHNS Hatteras Island	5/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	26	0	75	29 .8 miles south of ramp 27
CHNS Hatteras Island	5/6/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	26	0	75	29 1.4 miles south of ramp 27
CHNS Hatteras Island	5/6/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	26	0	75	29 1.5 miles south of ramp 23; chick lost, reason unknown
CHNS Hatteras Island	4/18/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	26	0	75	29 2.6 miles south of ramp 38. nest lost to cat predation, renest on 6/1/04
CHNS Hatteras Island Southend	4/22/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	38	75	44 Hatteras Spit; 2.7 miles s of R55
Battery Island, South	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	30	78	0 nest with 2 eggs observed
South Pelican Island	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	55	35.99990845	77	58
CHNS Hatteras Island Southend	5/10/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	11	38	75	44 at old "Sandy Bay" nest with 3 eggs observed, later lost by human destruction
Battery Island, South	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	30	78	0 nest with 1 egg observed
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52 nest with 2 eggs observed
Battery Island, South	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	30	78	0 nest with 2 eggs observed
Battery Island, South	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	30	78	0 nest with 3 eggs observed
Battery Island, South	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	30	78	0
Battery Island, South	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	30	78	0
Battery Island, South	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	30	78	0
Battery Island, South	6/7/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	33	54	30	78	0 nest with 2 eggs observed
North Rock Island	5/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	6	30	76	4
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Masonboro Island South	6/2/2004	2004	American Oystercatcher	6	AMOY/WIPL Survey	34	4	55	77	52
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52 nest with 3 eggs observed
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52 1 chick observed
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52 2 chicks observed
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52 nest with 2 eggs observed
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52 nest with 1 egg observed
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52 nest with 1 egg observed
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Hutaff Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	19	0	77	41 2 chicks observed
Lea Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	20	0	77	40 nest with 2 eggs observed
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52 nest with 2 eggs observed
Lea Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	20	0	77	40 nest with 2 eggs observed
Lea Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	20	0	77	40 nest with 3 eggs observed
Lea Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	20	0	77	40 nest with 3 eggs observed
Lea Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	20	0	77	40 nest with 3 eggs observed
Hutaff Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	19	0	77	41 nest with 2 eggs observed
Hutaff Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	19	0	77	41 nest with 3 eggs observed
Hutaff Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	19	0	77	41 nest with 3 eggs observed
Hutaff Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	19	0	77	41 nest with 2 eggs observed

Shell Castle Island West	5/25/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	35	5	56.99998856	76	4
Masonboro Island South	6/2/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	4	55	77	52
Lea Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	20	0	77	40 nest with 3 eggs observed
Hutaff Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	19	0	77	41 nest with 3 eggs observed
Lea Island	6/1/2004	2004	American Oystercatcher	2	1 AMOY/WIPL Survey	34	20	0	77	40 nest with 2 eggs observed
Onslow Beach	6/7/2004	2004	Piping Plover	1	Best Estimate	34	33	36	77	17 observed towards north end/north tower
Corolla and N. to Va.	6/5/2004	2004	Piping Plover	0	Best Estimate	36	23	0	75	49
Pea Island NWR Northend Hatteras Island	7/1/2004	2004	Piping Plover	0	0 Best Estimate	35	46	35.99990845	75	31
Ocean Isle	6/3/2004	2004	Piping Plover	0	Best Estimate	33	54	0	78	23 surveyed east and west ends
Oak Island	6/3/2004	2004	Piping Plover	0	Best Estimate	33	54	47.99995422	78	14
Bear Island (Hammock's Beach State Park)	6/1/2004	2004	Piping Plover	0	Best Estimate	34	38	0	77	8
Emerald Isle	6/1/2004	2004	Piping Plover	0	Best Estimate	34	38	35.99990845	77	6
CHNS Ocracoke Island Southend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	35	4	0	76	0 at Ocracoke Inlet
Bird Shoals (Rachel Carson Reserve)	6/8/2004	2004	Piping Plover	0	Best Estimate	34	42	0	76	40
Wrightsville Beach	6/1/2004	2004	Piping Plover	0	Best Estimate	34	14	0	77	46
Fort Fisher State Recreation Area	6/4/2004	2004	Piping Plover	1	0 Best Estimate	33	57	12	77	55
Sunset Beach	6/3/2004	2004	Piping Plover	0	Best Estimate	33	51	52	78	31
Bird Island	6/3/2004	2004	Piping Plover	0	Best Estimate	33	51	17.99995422	78	32
Holden Beach	6/3/2004	2004	Piping Plover	0	Best Estimate	33	54	30	78	18 surveyed east and west ends
Masonboro Island	6/2/2004	2004	Piping Plover	1	0 Best Estimate	34	8	0	77	50 single bird observed on south end
Topsail Beach North	6/1/2004	2004	Piping Plover	0	Best Estimate	34	31	30	77	20
Bald Head Island	6/4/2004	2004	Piping Plover	0	Best Estimate	33	51	0	77	58
Figure 8 Island	6/1/2004	2004	Piping Plover	0	Best Estimate	34	16	0	77	45 surveyed north and south ends
CLNS North Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	35	2	30	76	3 at mile 6.6
Lea Island	7/1/2004	2004	Piping Plover	4	2 Best Estimate	34	20	0	77	40
CLNS South Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	51	12	76	19 at mile 23.5 at Plover Inlet
CLNS South Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	51	12	76	19 at mile 23.8 at Plover Inlet
CLNS South Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	51	12	76	19 at mile 22.2 at New Drum Inlet
CLNS South Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	51	12	76	19 at mile 22.4 at New Drum Inlet
CLNS South Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	51	12	76	19 at mile 23.9 at Plover Inlet
CLNS North Core Banks Southend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	51	30	76	18 at mile 22.? At New Drum Inlet
Topsail Beach South	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	20	42	77	39 nest with 3 eggs found, nest later lost probably to human disturbance
CLNS North Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	35	2	30	76	3 at mile 2.0, nest lost
CLNS North Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	35	2	30	76	3 at mile 2.0, nest lost
CLNS North Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	35	2	30	76	3 at mile 2.0
CLNS North Core Banks Southend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	51	30	76	18 at mile 21.0 at New Drum Inlet
CLNS South Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	51	12	76	19 at mile 24.2 at Plover Inlet
Hutaff Island	7/1/2004	2004	Piping Plover	2	1 Best Estimate	34	19	0	77	41
CLNS North Core Banks Northend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	35	2	30	76	3 at mile 3.2, nest with 4 eggs found, no chicks fledged
CHNS Bodie Island	7/1/2004	2004	Piping Plover	2	1 Best Estimate	35	47	0	75	32 at Oregon Inlet
CHNS Hatteras Island Southend	7/1/2004	2004	Piping Plover	2	1 Best Estimate	35	11	38	75	44 at Hatteras Inlet