

★ Coastal Inlets  
 ■ Map Sheets

0 10 20  
Miles

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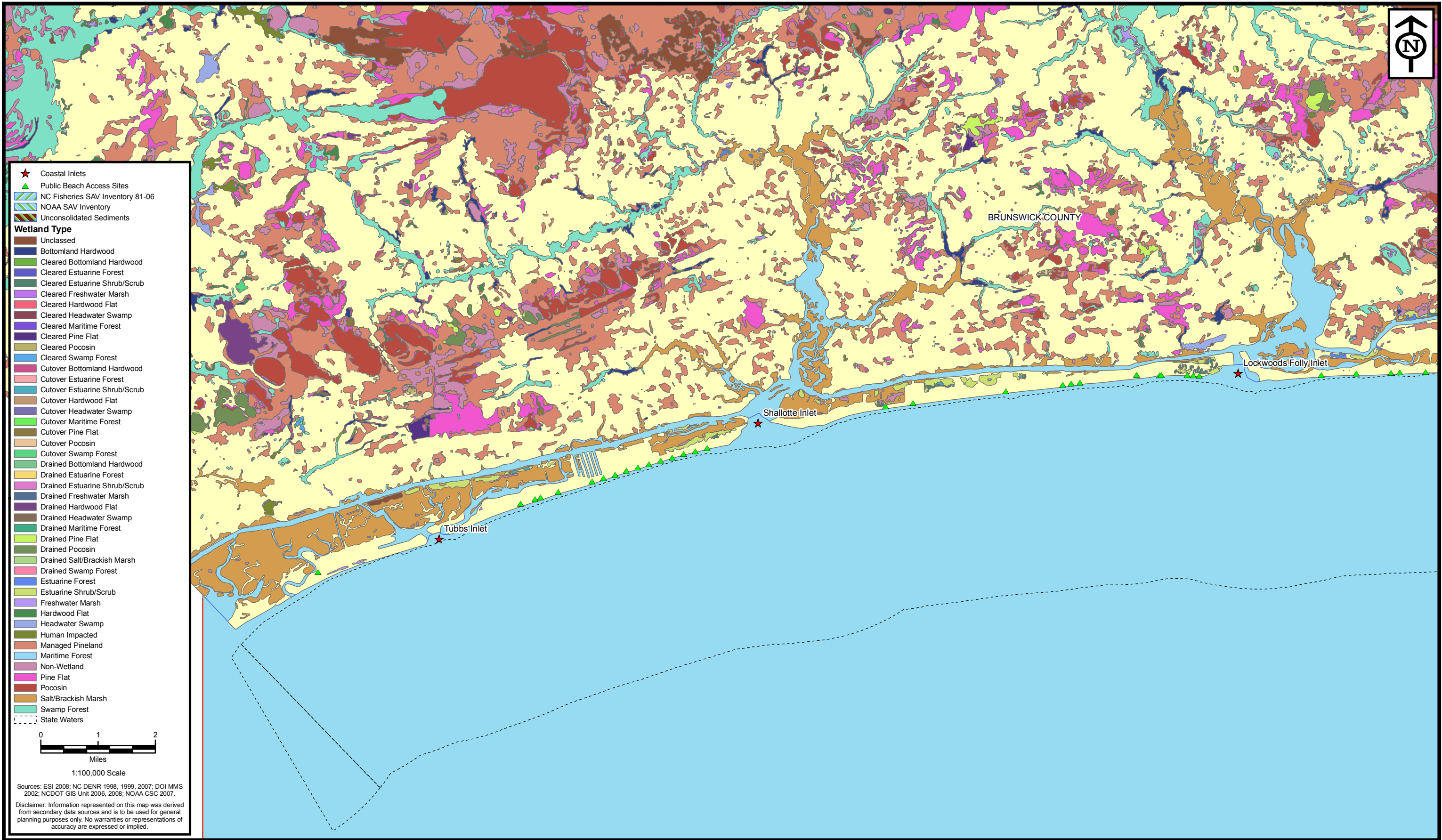
Map Sheet Index  
**North Carolina Beach and Inlet Management Plan**

**BIMP**  
 N.C. Beach and Inlet Management Plan

Region 1

Environmental Mapping

Coastal Wetlands  
And  
SAV



- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
- Wetland Type**
- Unclassified
  - Bottomland Hardwood
  - Cleared Bottomland Hardwood
  - Cleared Estuarine Forest
  - Cleared Estuarine Shrub/Scrub
  - Cleared Freshwater Marsh
  - Cleared Hardwood Flat
  - Cleared Headwater Swamp
  - Cleared Maritime Forest
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  - Hardwood Flat
  - Headwater Swamp
  - Human Impacted
  - Managed Pineland
  - Maritime Forest
  - Non-Wetland
  - Pine Flat
  - Pocosin
  - Salt/Brackish Marsh
  - Swamp Forest
  - State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 1999, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 2007.

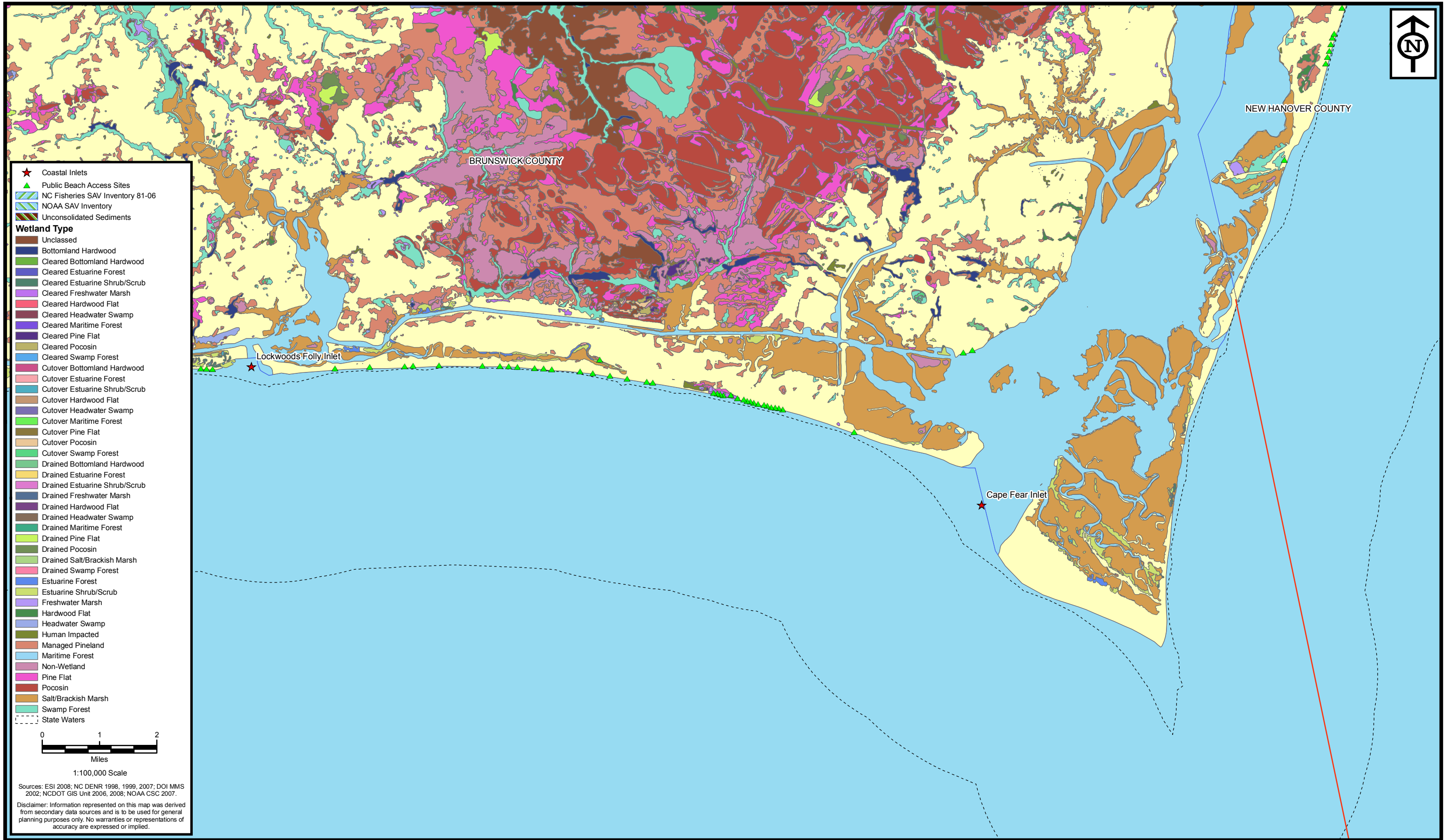
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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
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N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 2  
Region 1

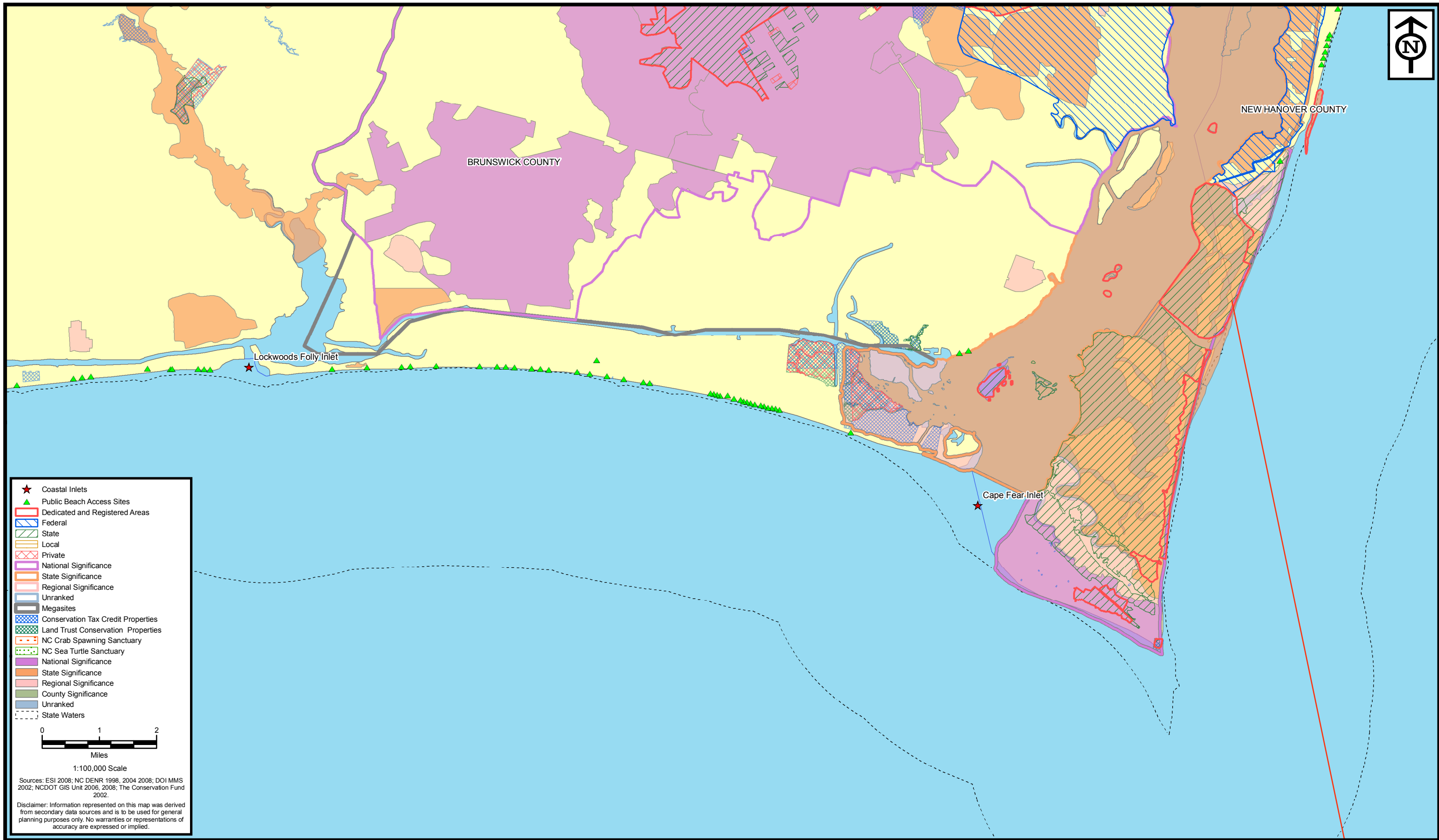
**BIMP**  
N.C. Beach and Inlet Management Plan

# Critical Wildlife Habitats



Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 1  
 Region 1



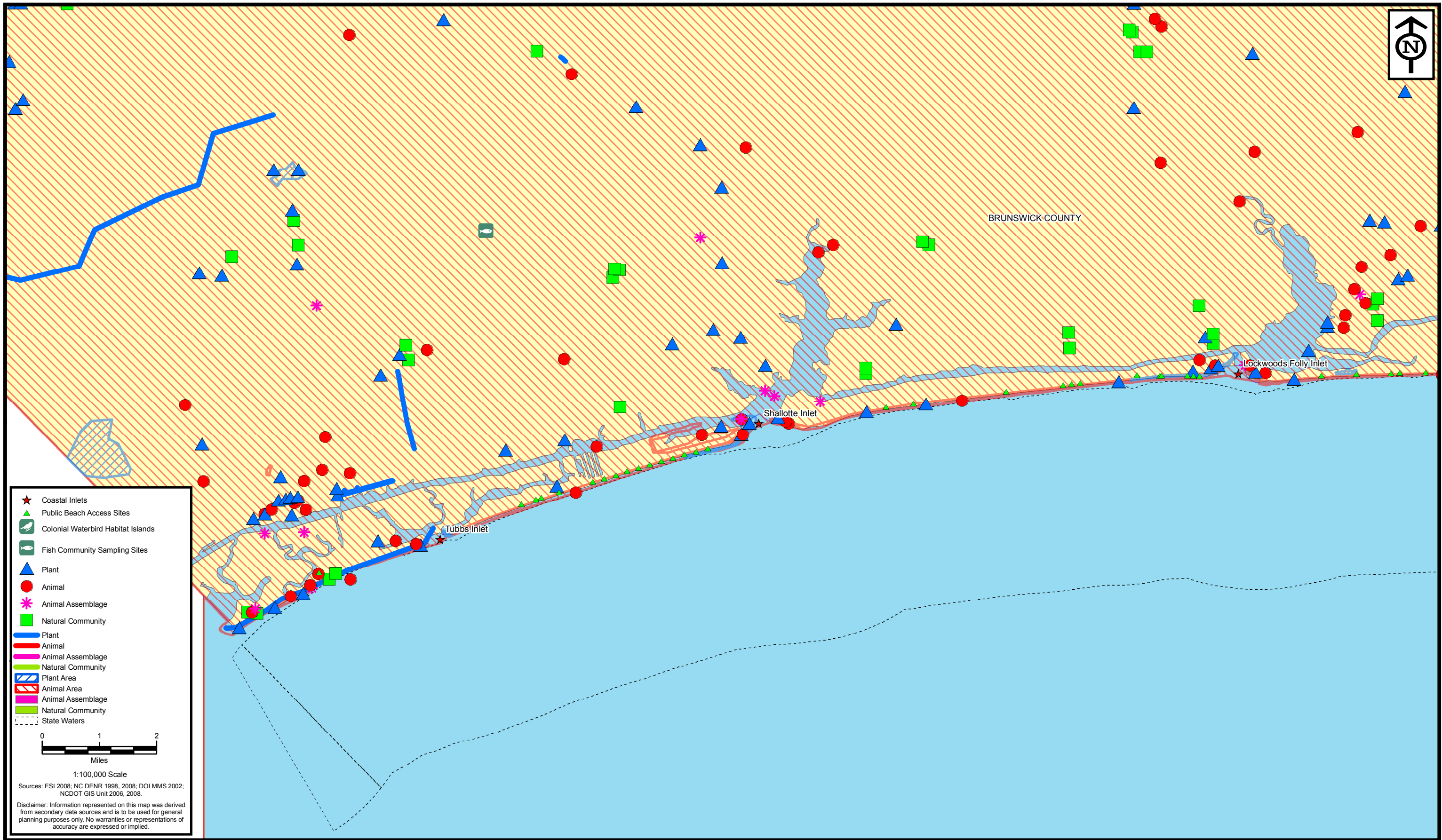


Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 2  
 Region 1





# Protected Species



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🐦 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- \* Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



1:100,000 Scale

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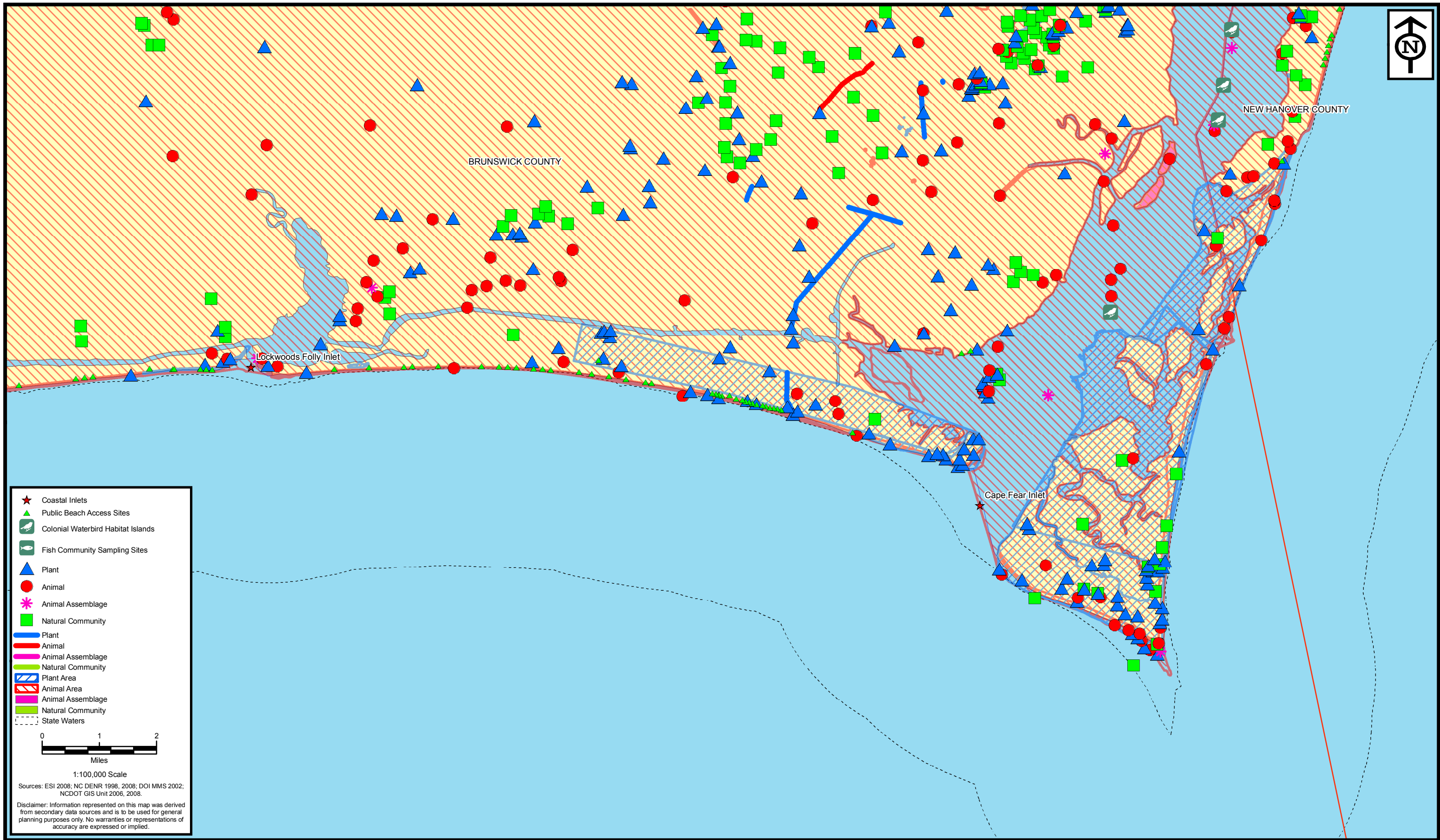
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**North Carolina Beach and Inlet Management Plan**  
 Sheet 1  
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Protected Species

**North Carolina Beach and Inlet Management Plan**

Sheet 2  
Region 1

**BIMP**  
N.C. Beach and Inlet Management Plan

Hard Bottom








BRUNSWICK COUNTY

Lockwoods Folly Inlet

Shalotte Inlet

Tubbs Inlet

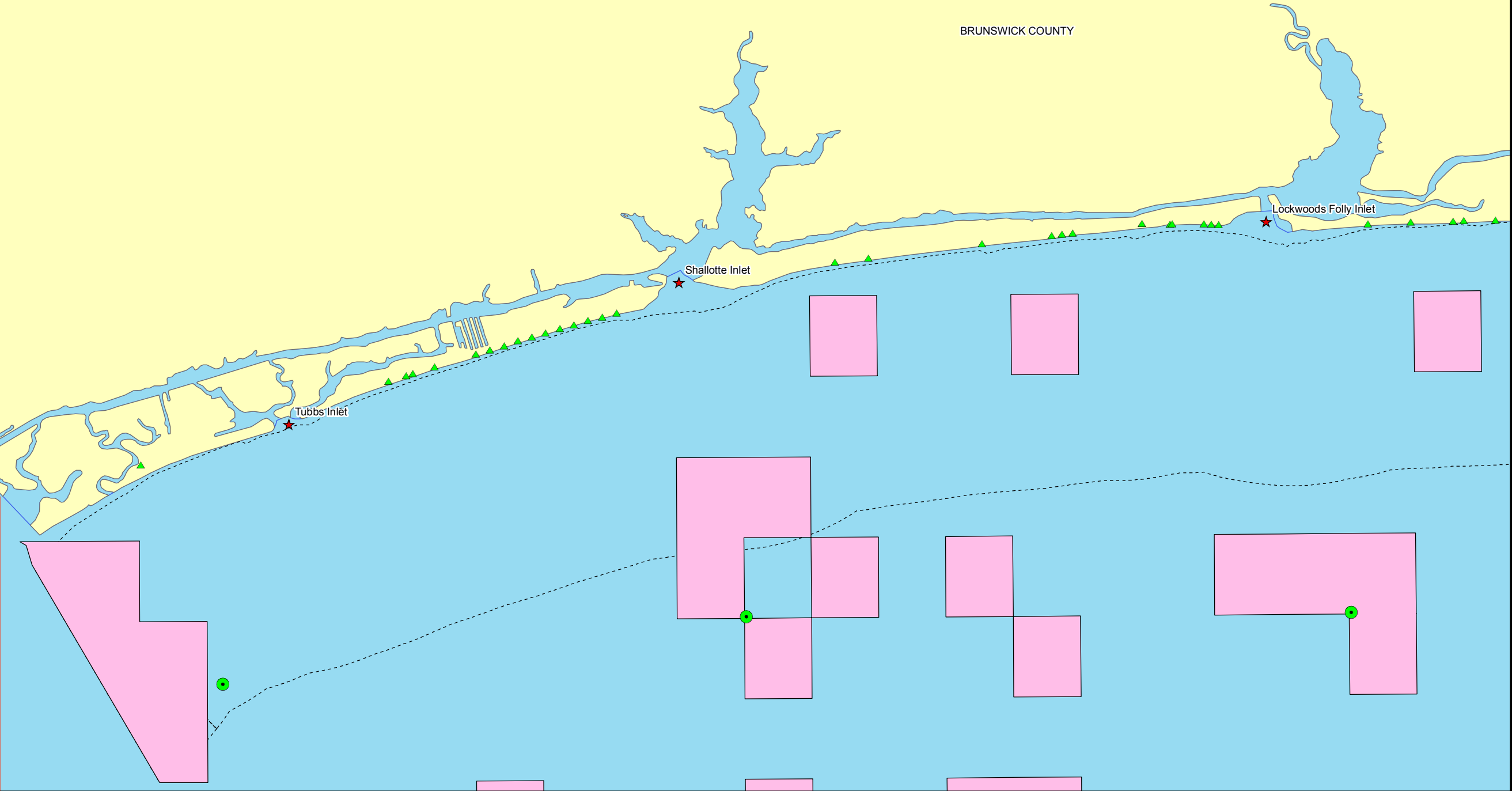
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-  Public Beach Access Sites
-  NC Artificial Reefs
-  Coral Hardbottom Essential Fish Habitat
-  State Waters

0 1 2  
Miles

1:100,000 Scale

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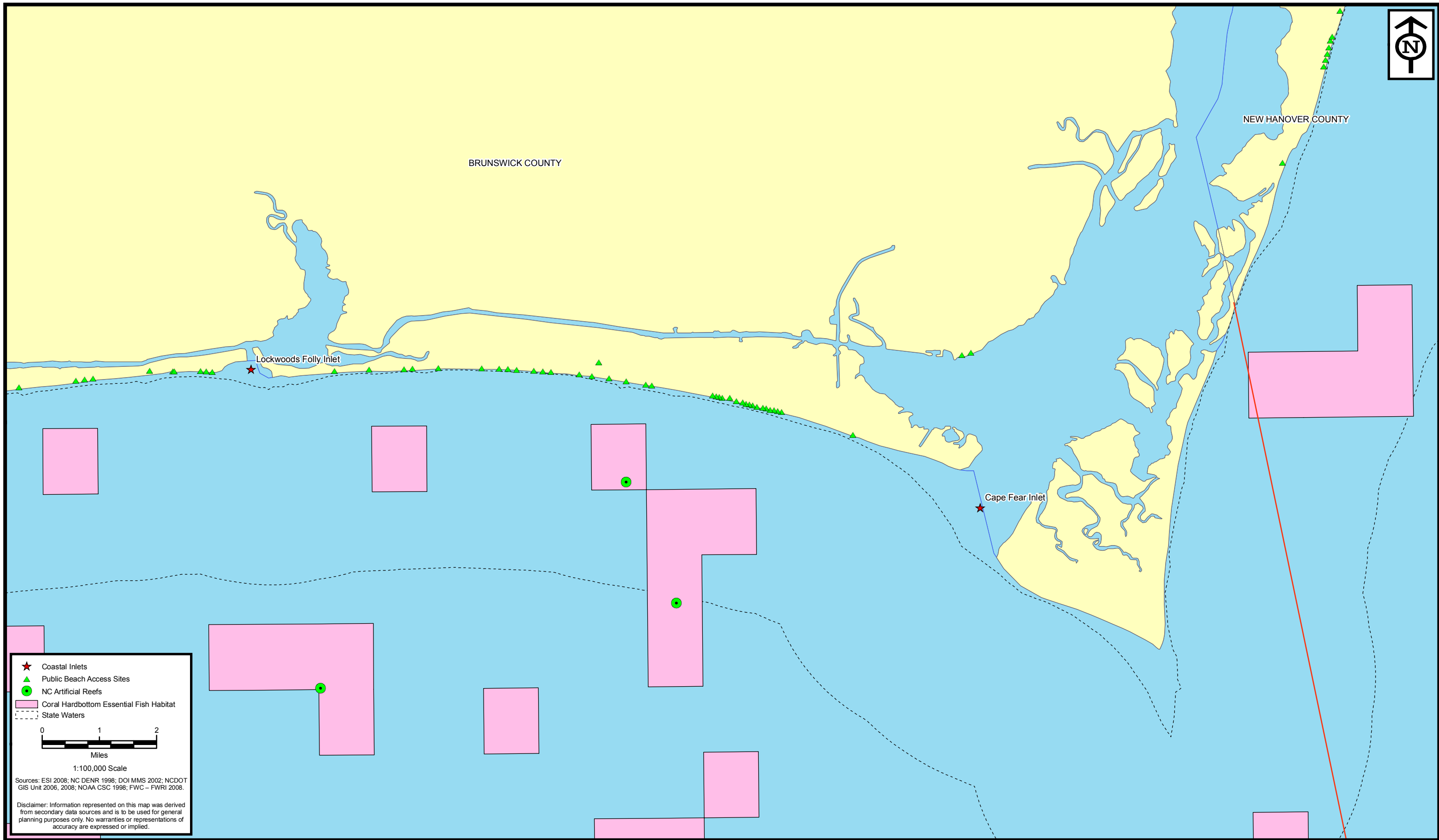
Hard Bottom

## North Carolina Beach and Inlet Management Plan

Sheet 1  
Region 1



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles

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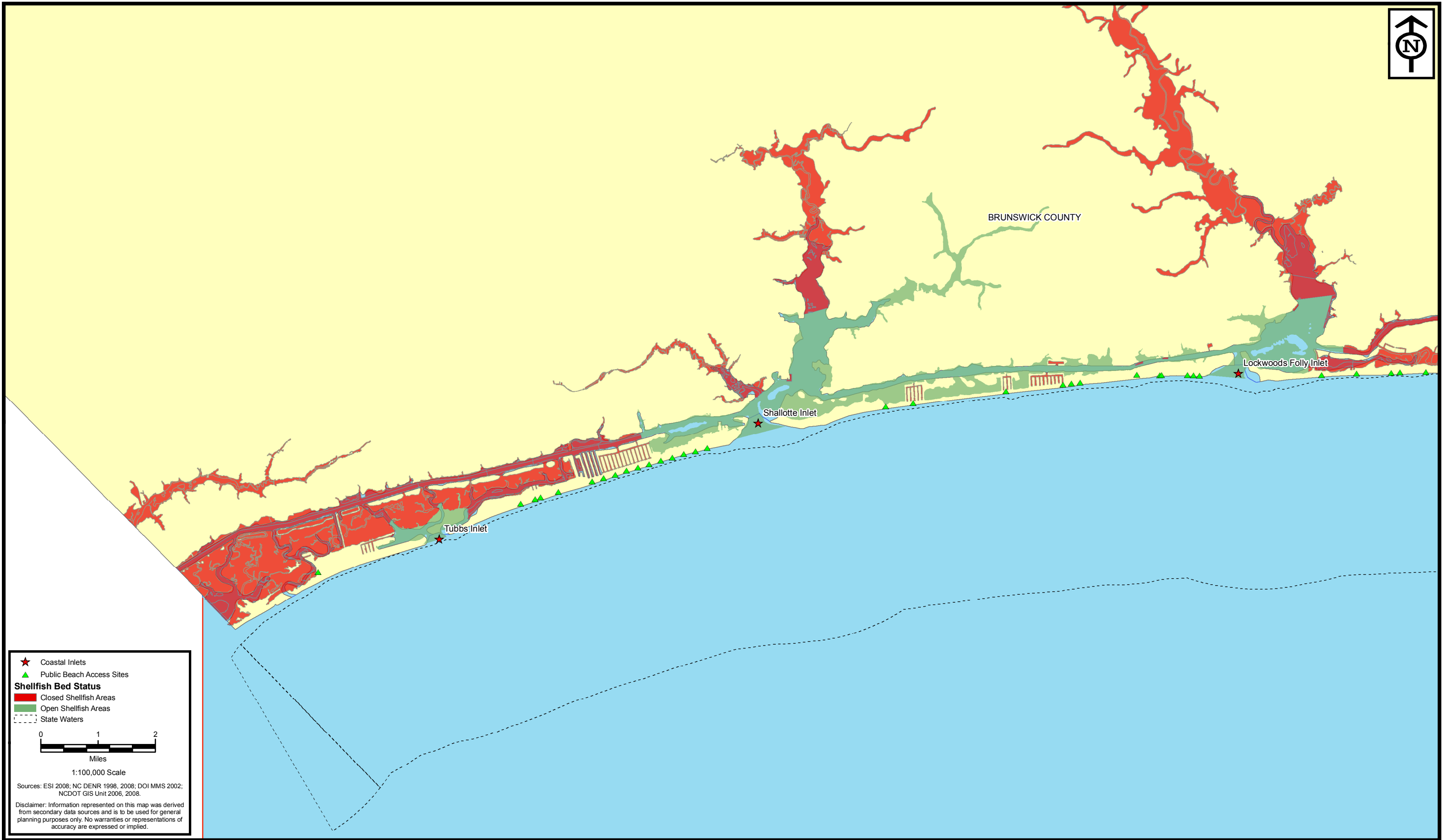
Hard Bottom

## North Carolina Beach and Inlet Management Plan

Sheet 2  
Region 1

**BIMP**  
N.C. Beach and Inlet Management Plan

Shell Bottom



★ Coastal Inlets  
 ▲ Public Beach Access Sites  
**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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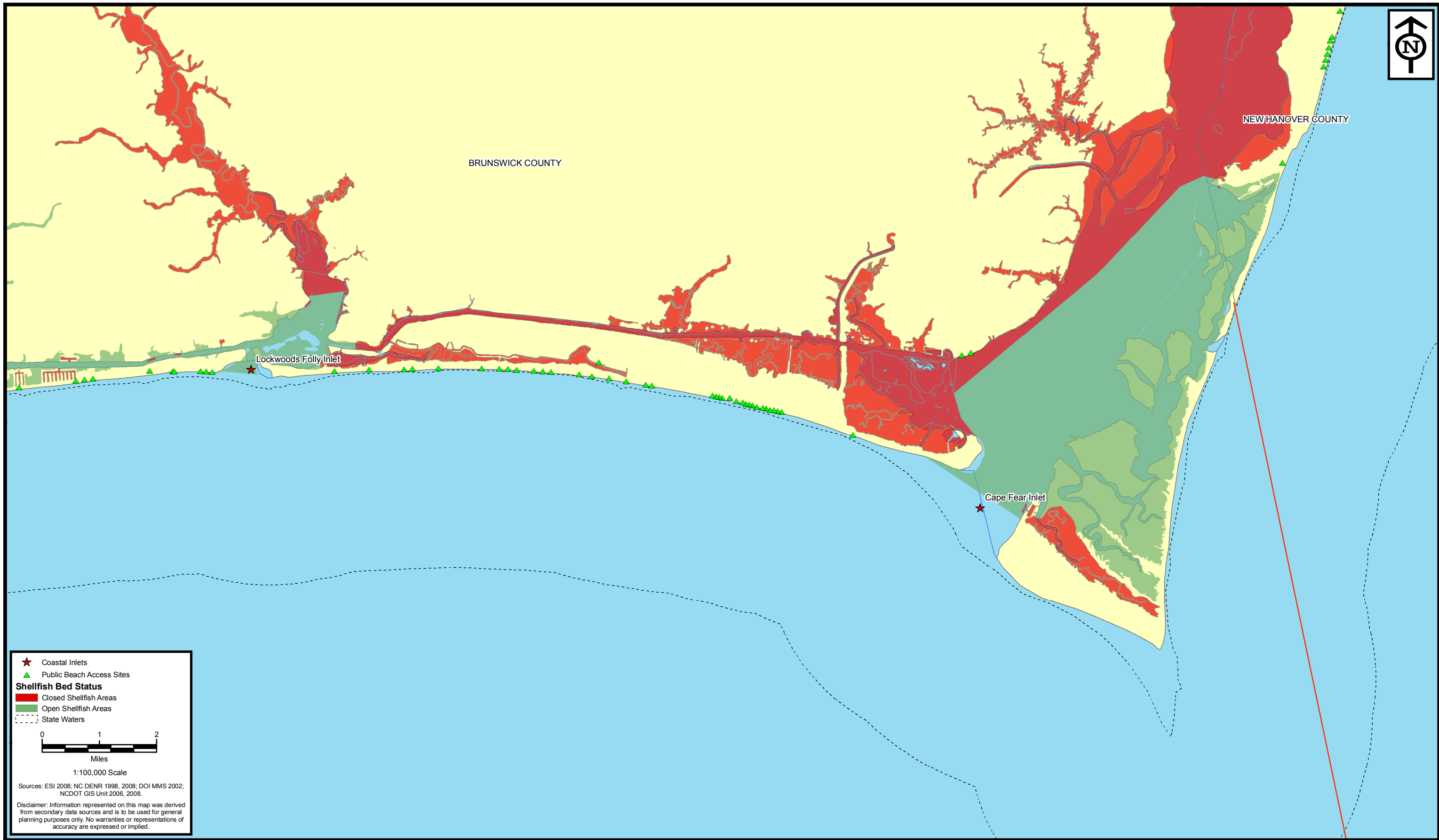
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 1  
 Region 1

**BIMP**  
 N.C. Beach and Inlet Management Plan





★ Coastal Inlets  
 ▲ Public Beach Access Sites  
**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
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 - - - State Waters

0 1 2  
 Miles  
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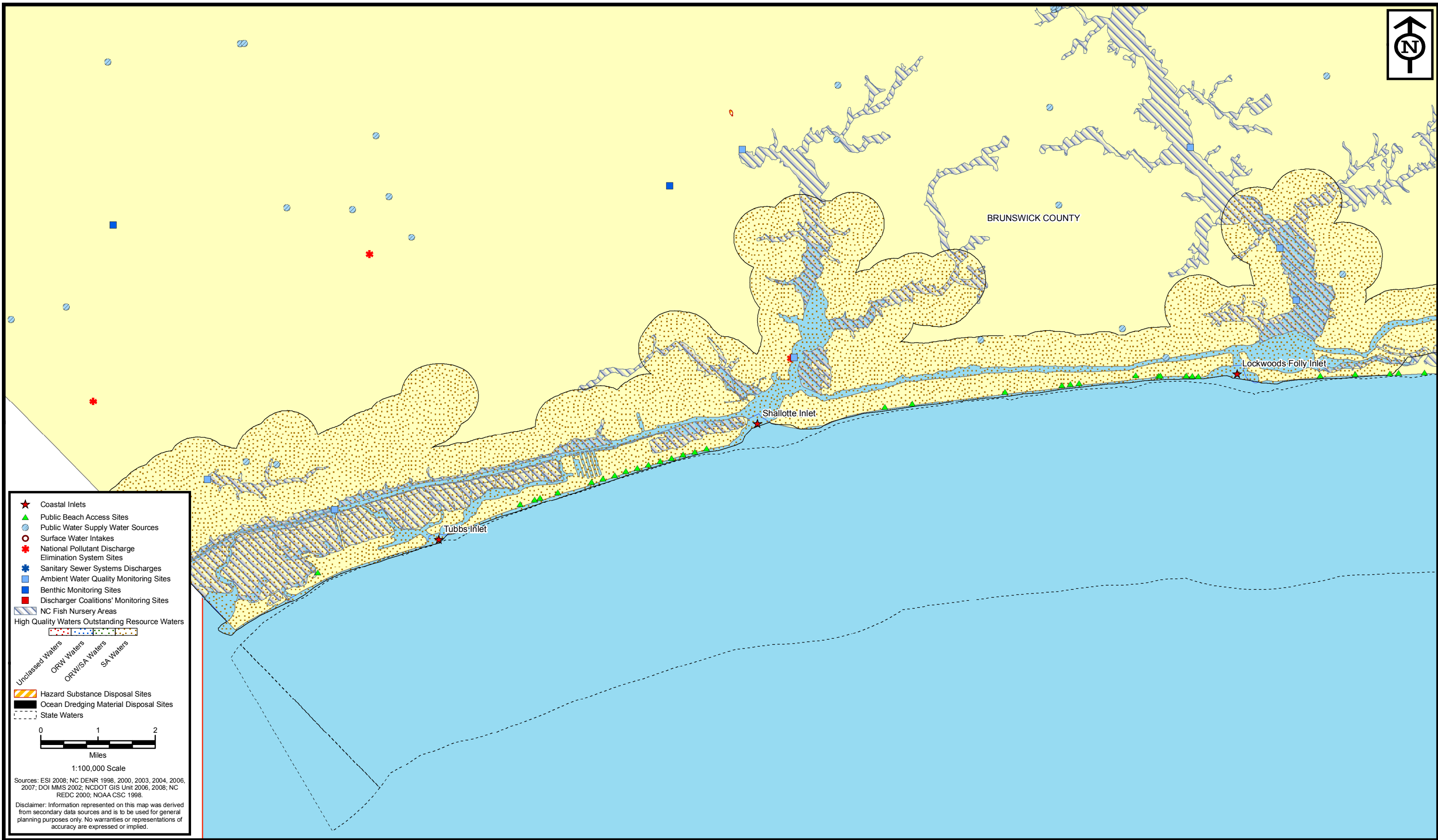
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 2  
 Region 1

**BIMP**  
 N.C. Beach and Inlet Management Plan

Water Column  
And  
Soft Bottom



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas

High Quality Waters Outstanding Resource Waters

- Unclassified Waters
- ORW Waters
- ORW/SA Waters
- SA Waters

- ▨ Hazard Substance Disposal Sites
- Ocean Dredging Material Disposal Sites
- State Waters

0 1 2  
Miles

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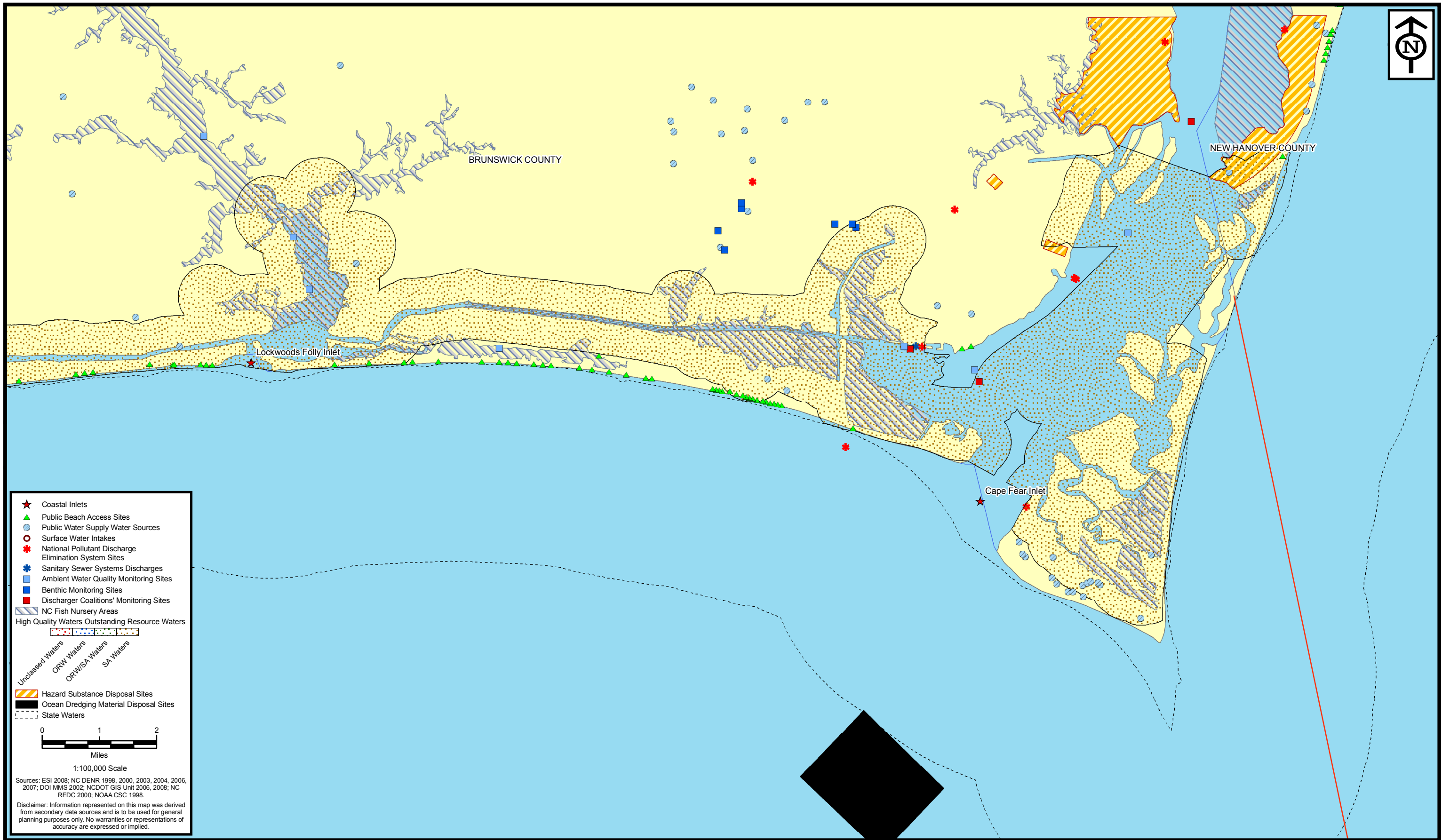
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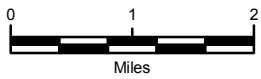
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 1  
Region 1

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
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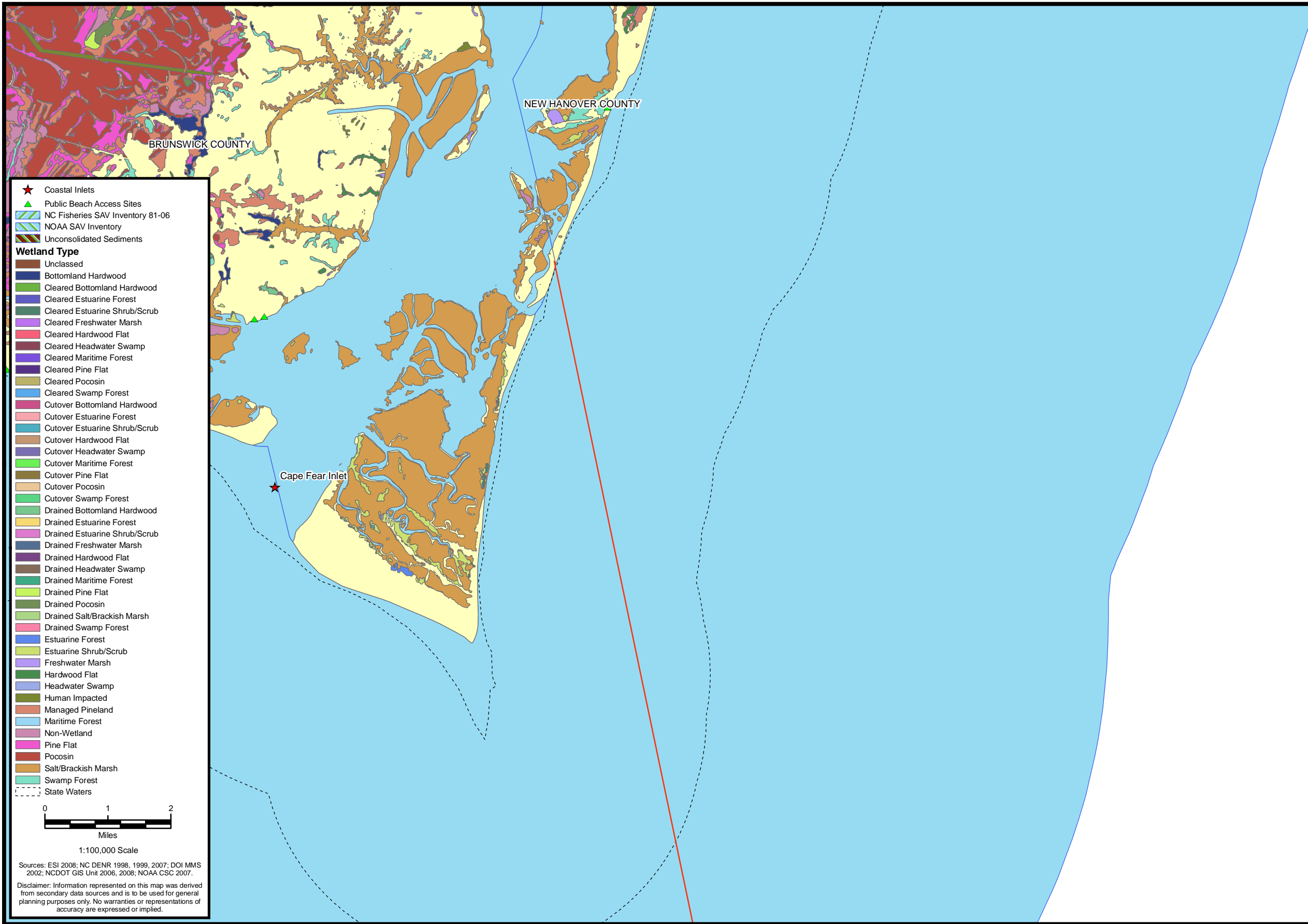
Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 2  
 Region 1

**BIMP**  
 N.C. Beach and Inlet Management Plan

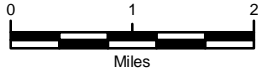
Region 2

Environmental Mapping

Coastal Wetlands  
And  
SAV



- ★ Coastal Inlets
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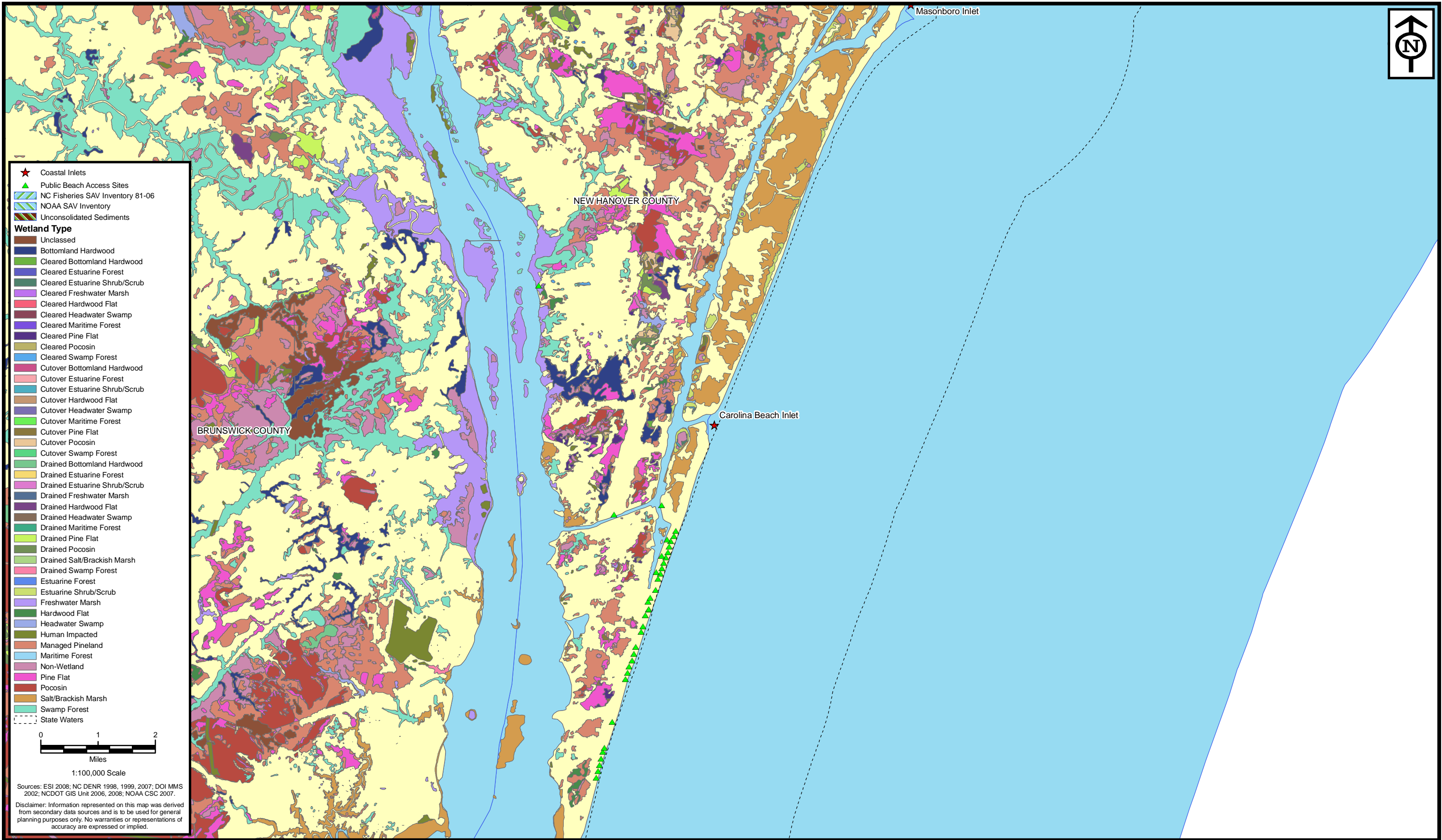


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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 3  
Region 2a



**BIMP**  
N.C. Beach and Inlet Management Plan



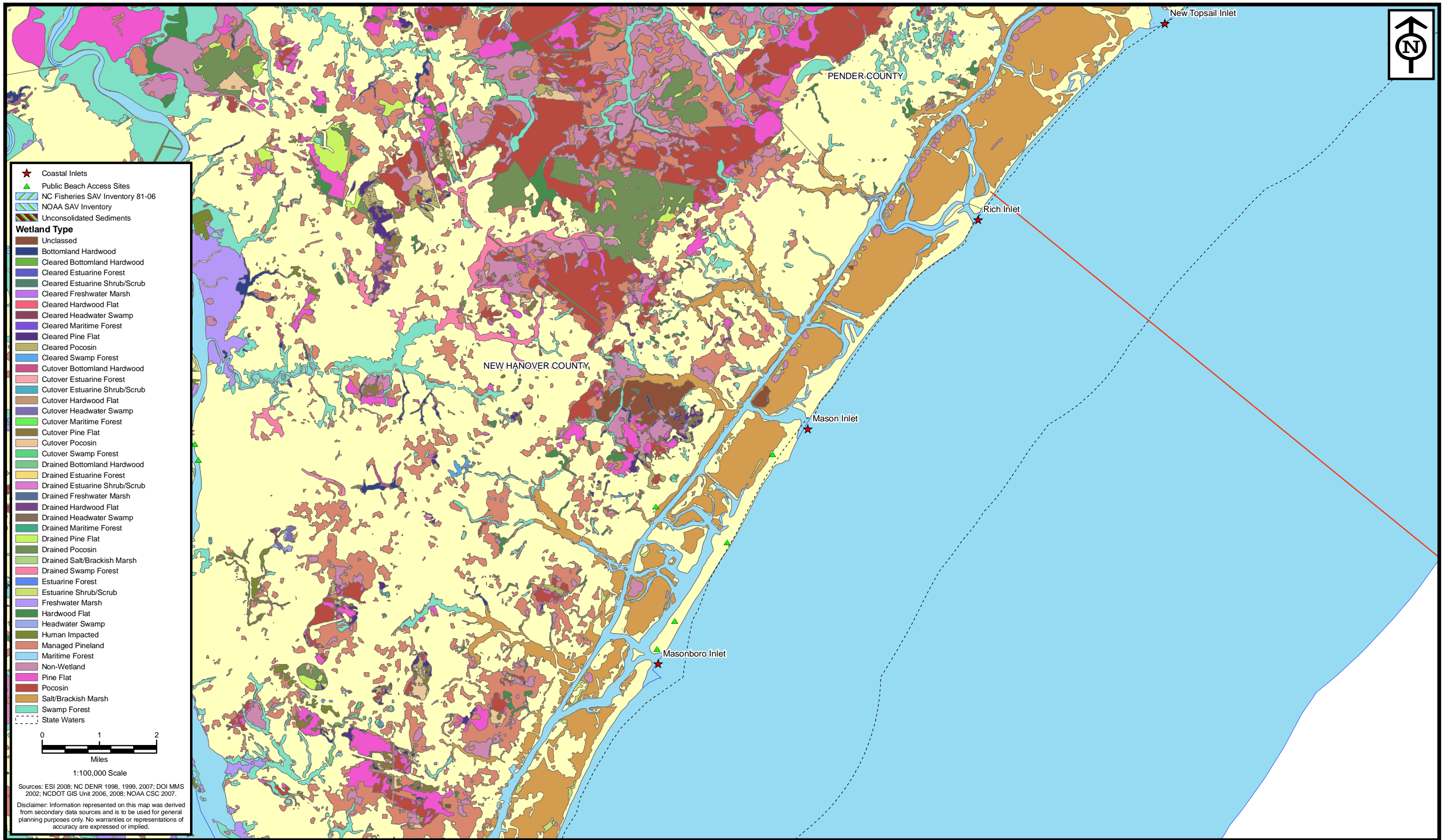
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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 4  
 Region 2a

**BIMP**  
 N.C. Beach and Inlet Management Plan



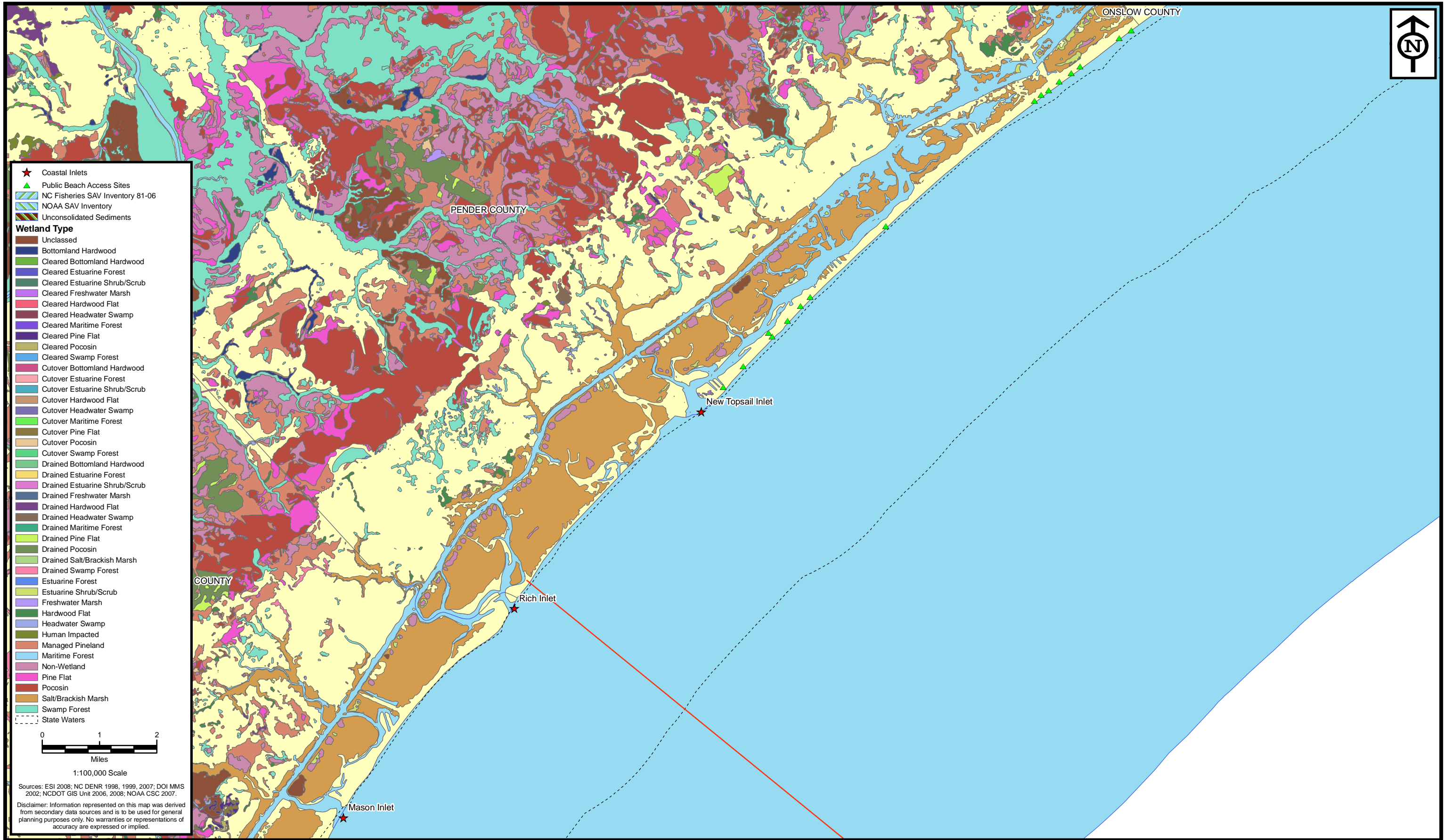


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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 5  
Region 2a

**BIMP**  
N.C. Beach and Inlet Management Plan



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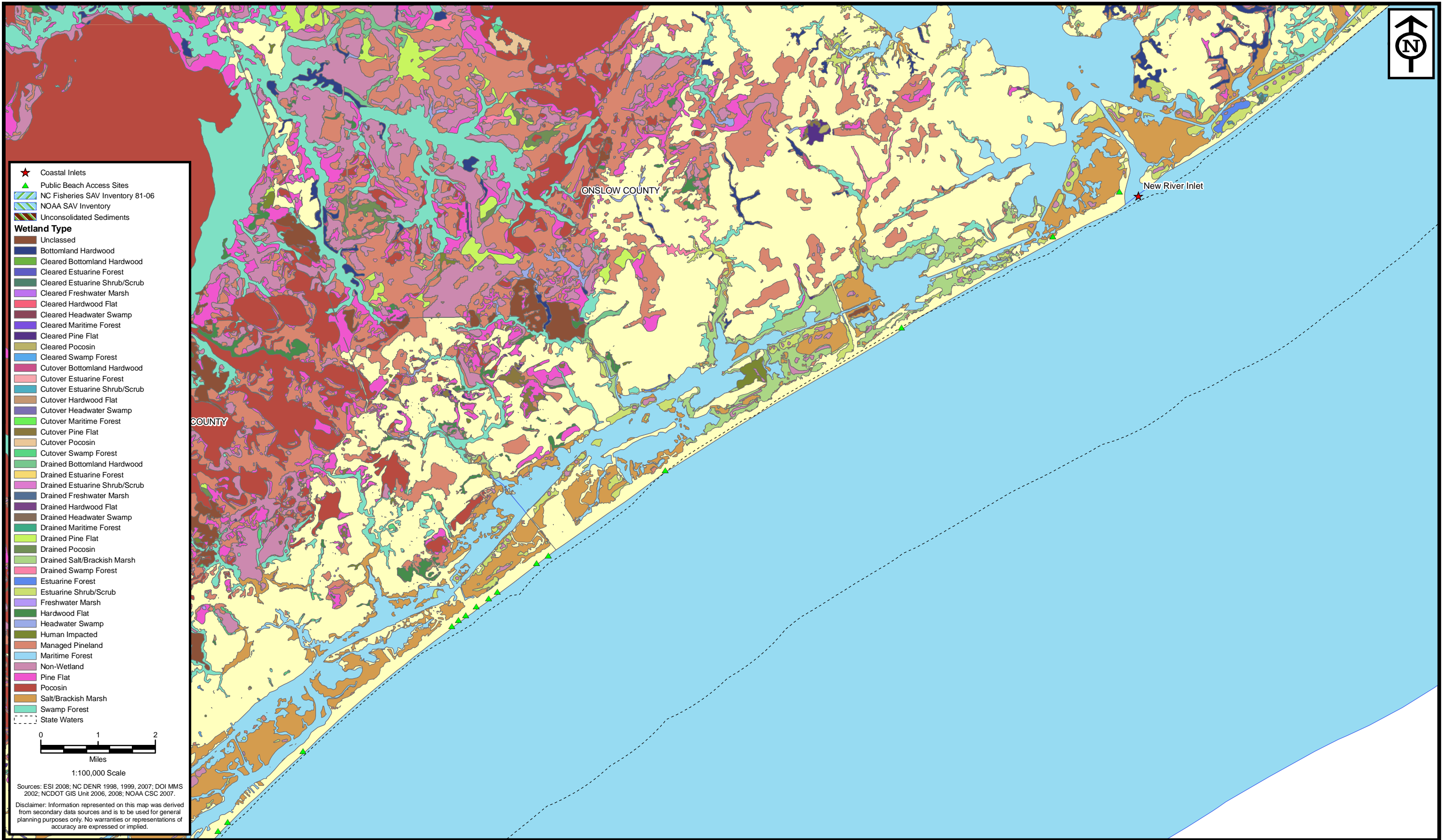
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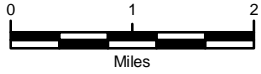
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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 6  
Region 2b

**BIMP**  
N.C. Beach and Inlet Management Plan



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1:100,000 Scale

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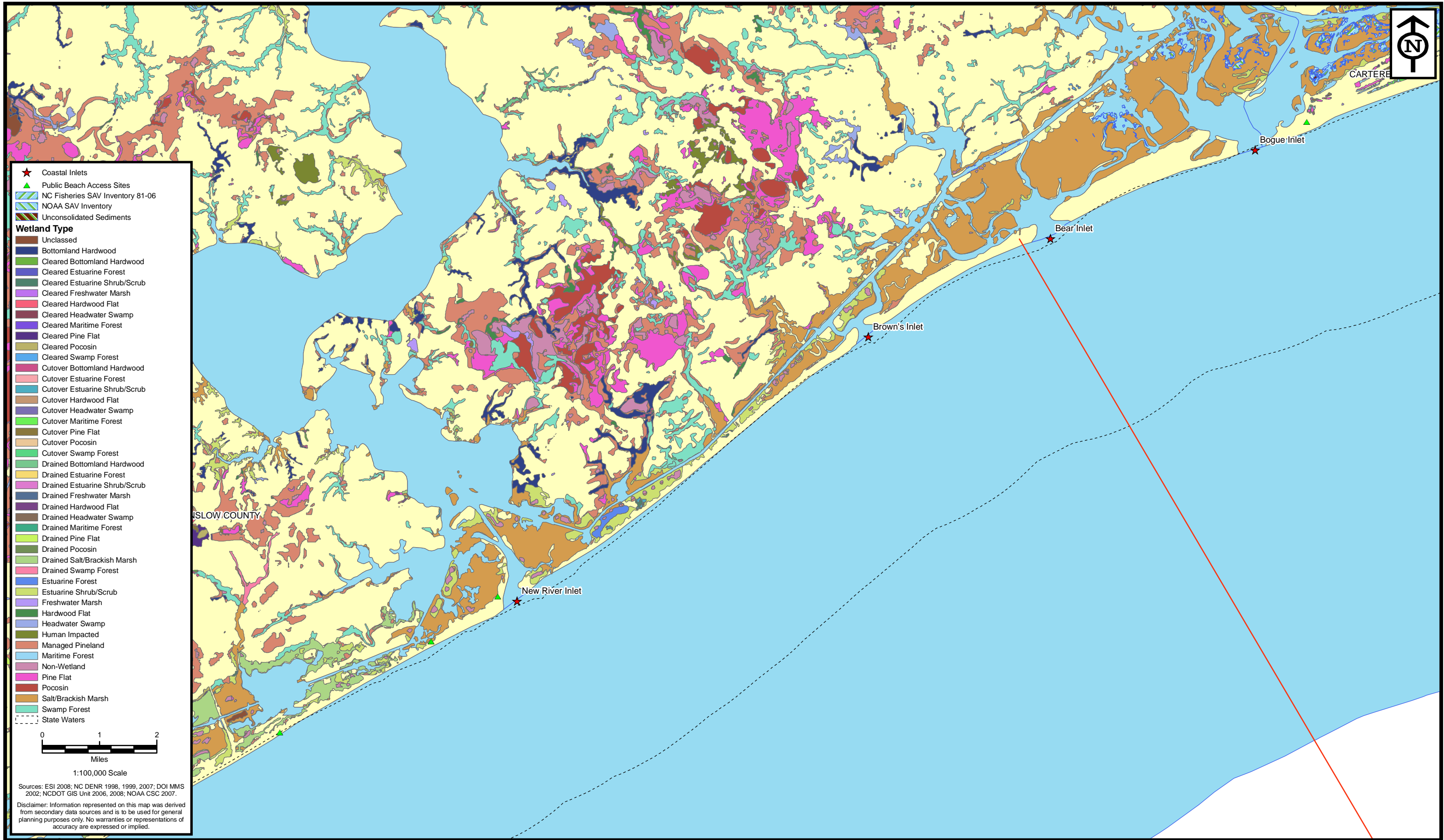
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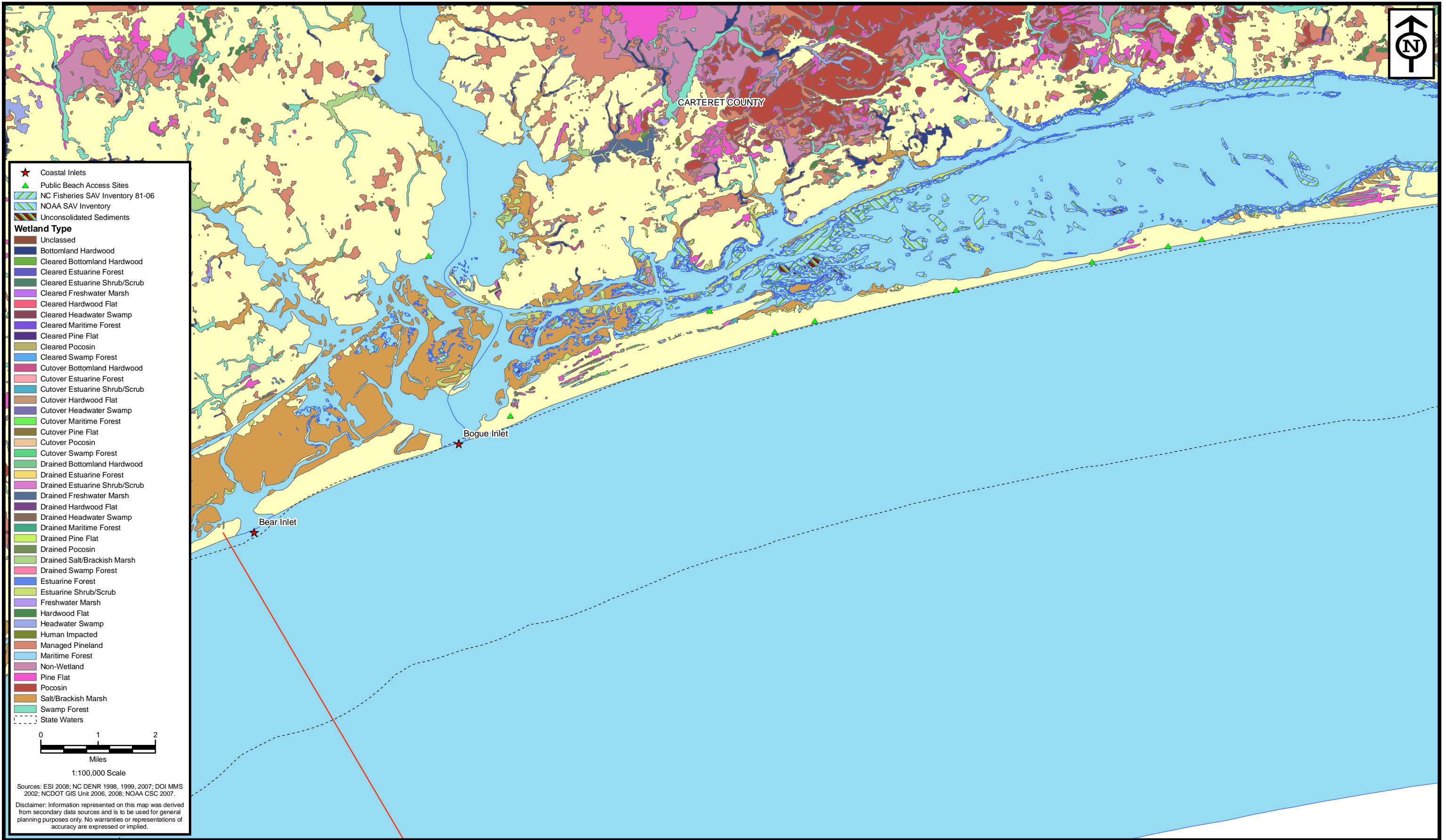
Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 7  
 Region 2b

**BIMP**  
 N.C. Beach and Inlet Management Plan



Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 8  
 Region 2b



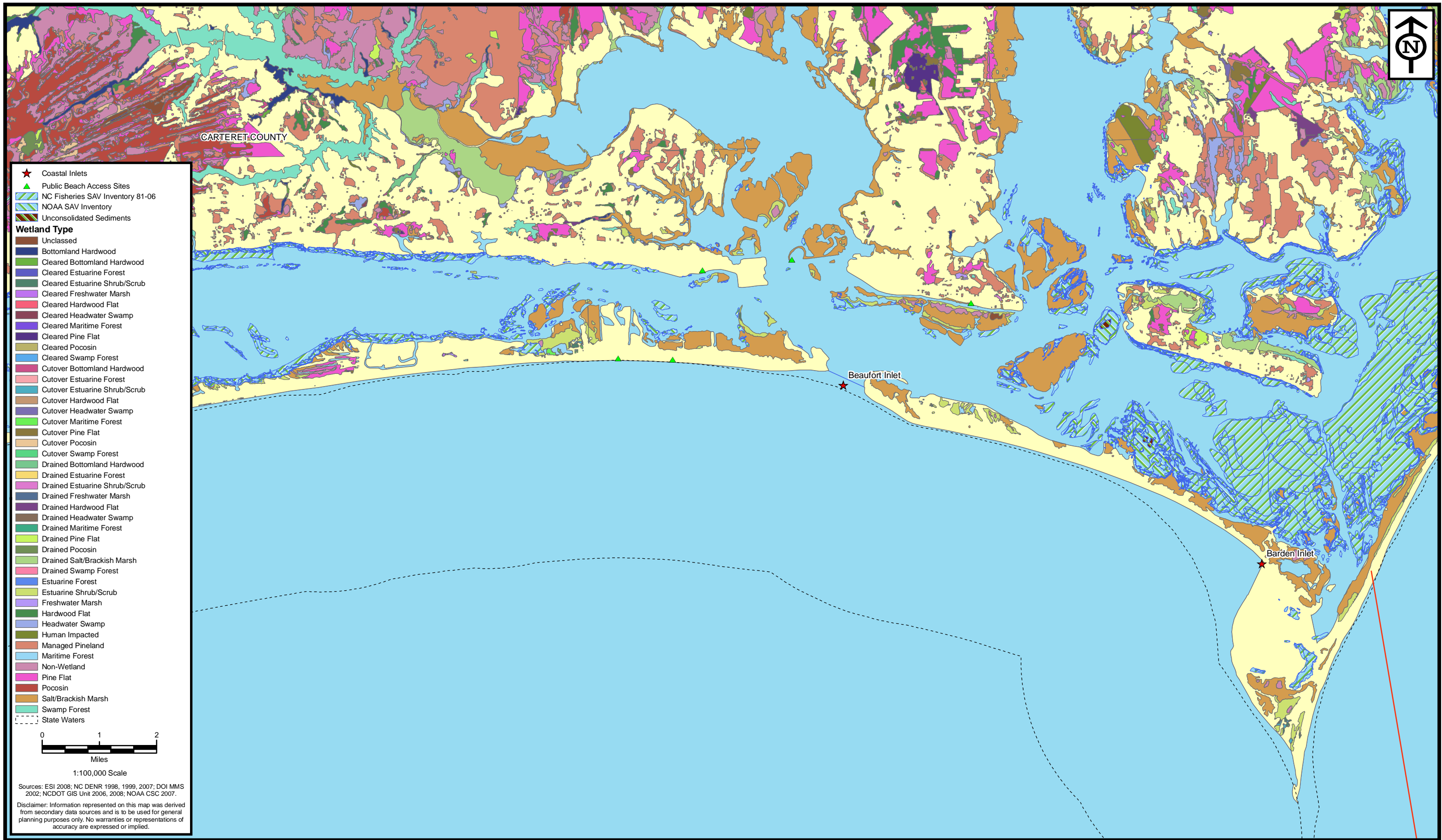


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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 9  
Region 2c

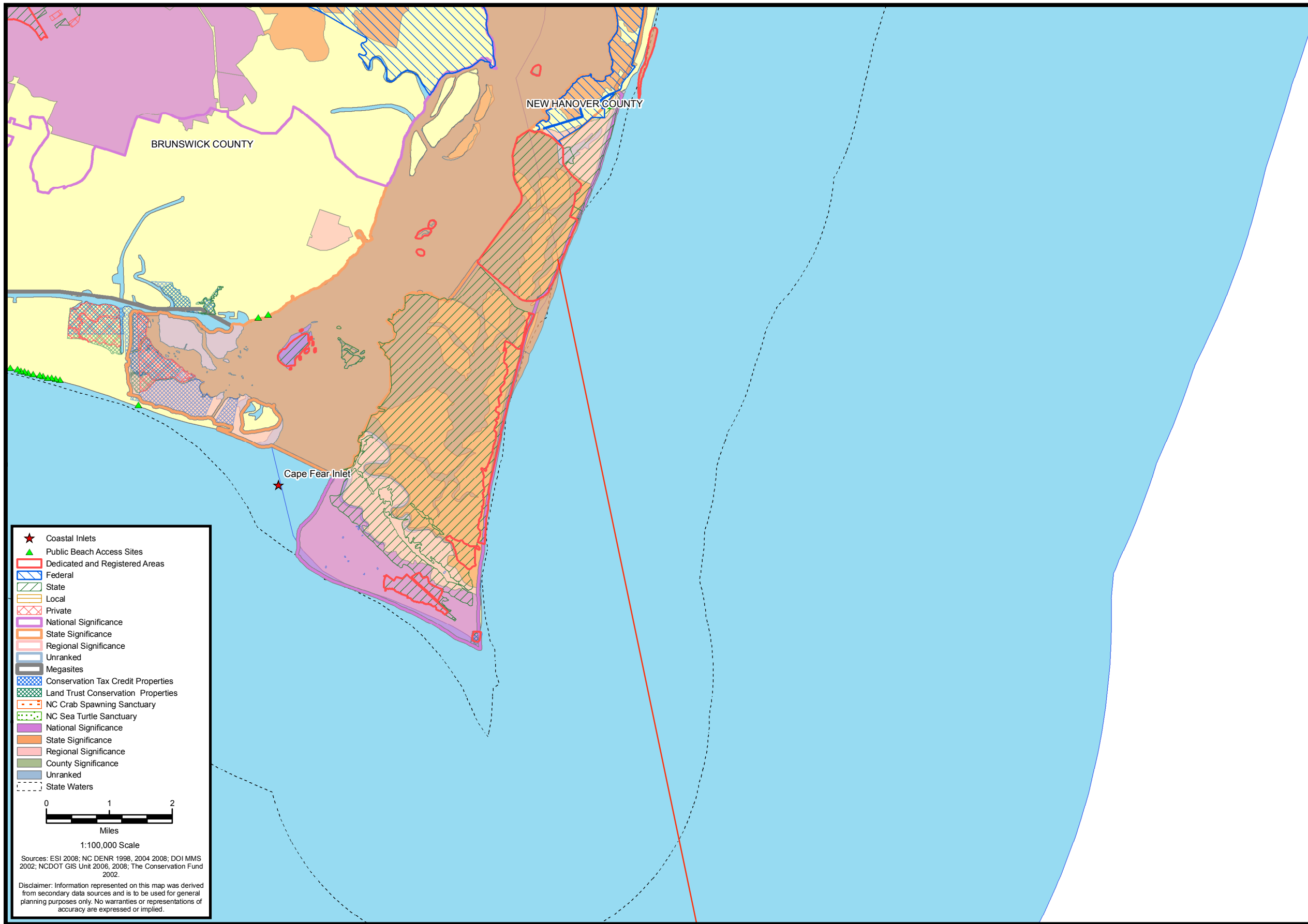
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N.C. Beach and Inlet Management Plan



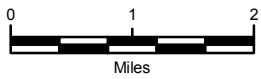
Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 10  
 Region 2c



# Critical Wildlife Habitats



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▭ Federal
- ▭ State
- ▭ State
- ▭ Local
- ▭ Private
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ Unranked
- ▭ Megasites
- ▭ Conservation Tax Credit Properties
- ▭ Land Trust Conservation Properties
- ▭ NC Crab Spawning Sanctuary
- ▭ NC Sea Turtle Sanctuary
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ County Significance
- ▭ Unranked
- - - State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

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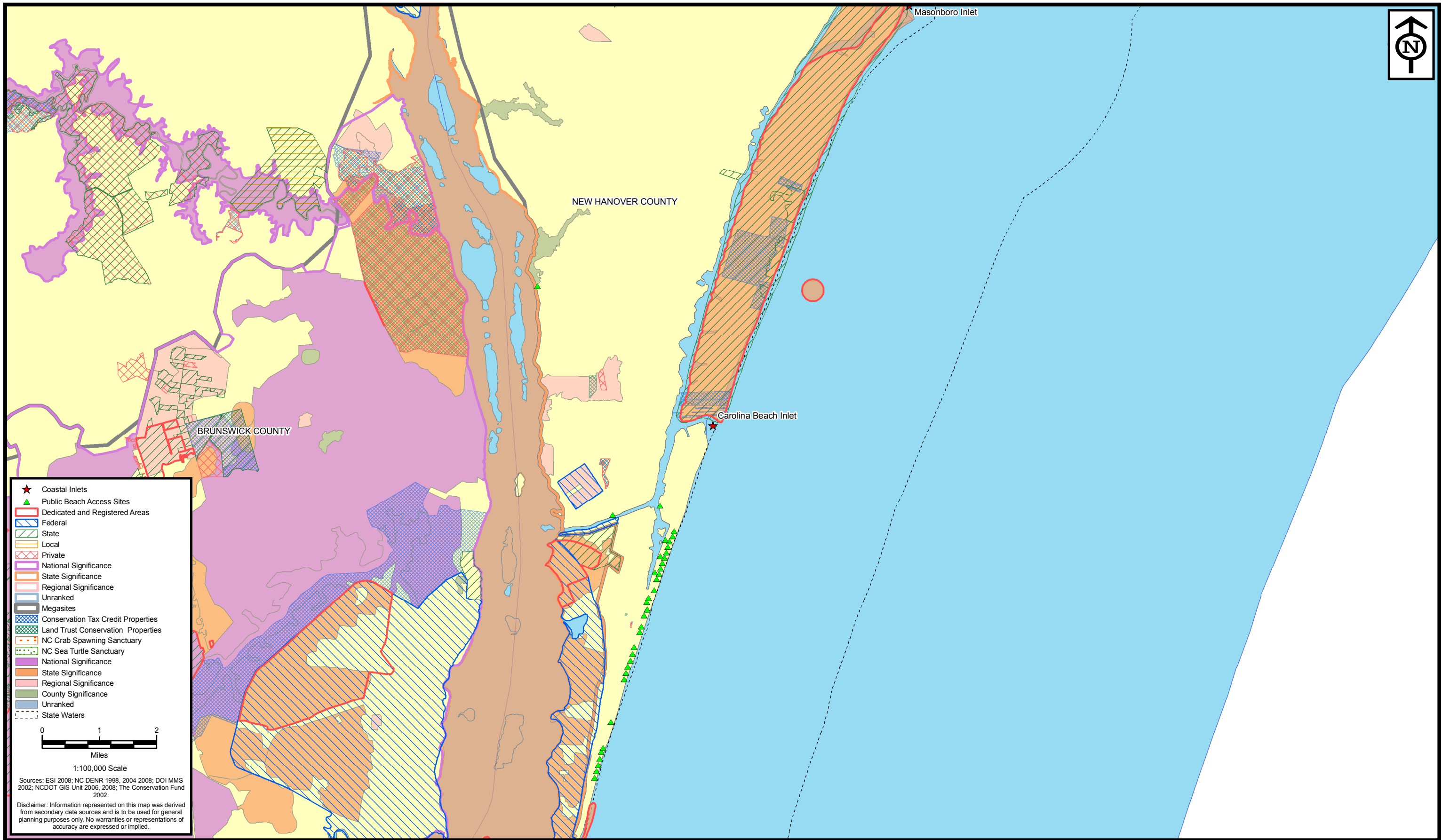
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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
Sheet 3  
Region 2a



**BIMP**  
N.C. Beach and Inlet Management Plan



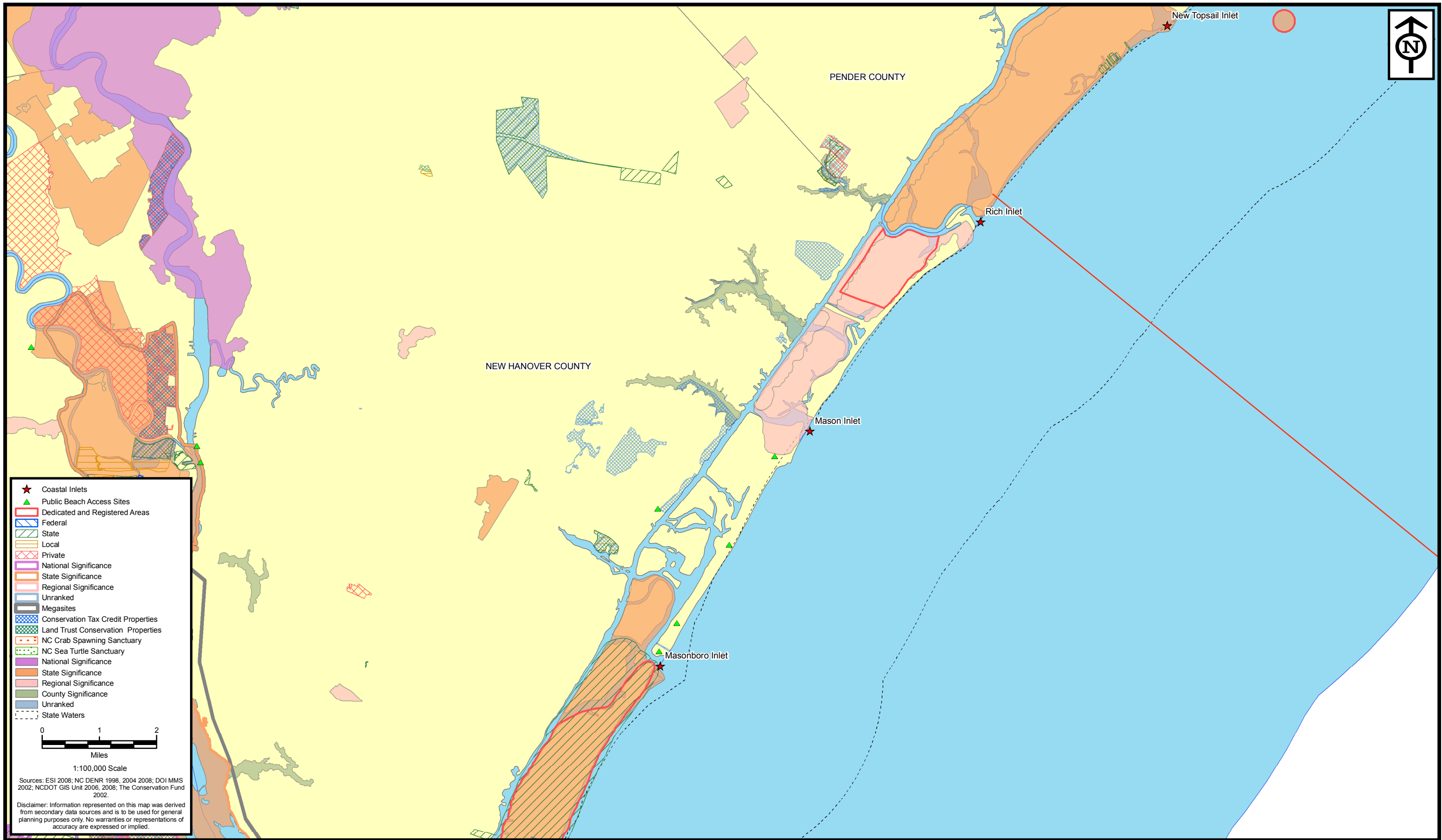


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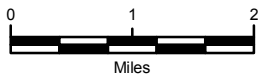
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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 4  
 Region 2a

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▭ Federal
- ▭ State
- ▭ Local
- ▭ Private
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ Unranked
- ▭ Megsites
- ▭ Conservation Tax Credit Properties
- ▭ Land Trust Conservation Properties
- ▭ NC Crab Spawning Sanctuary
- ▭ NC Sea Turtle Sanctuary
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ County Significance
- ▭ Unranked
- - - State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

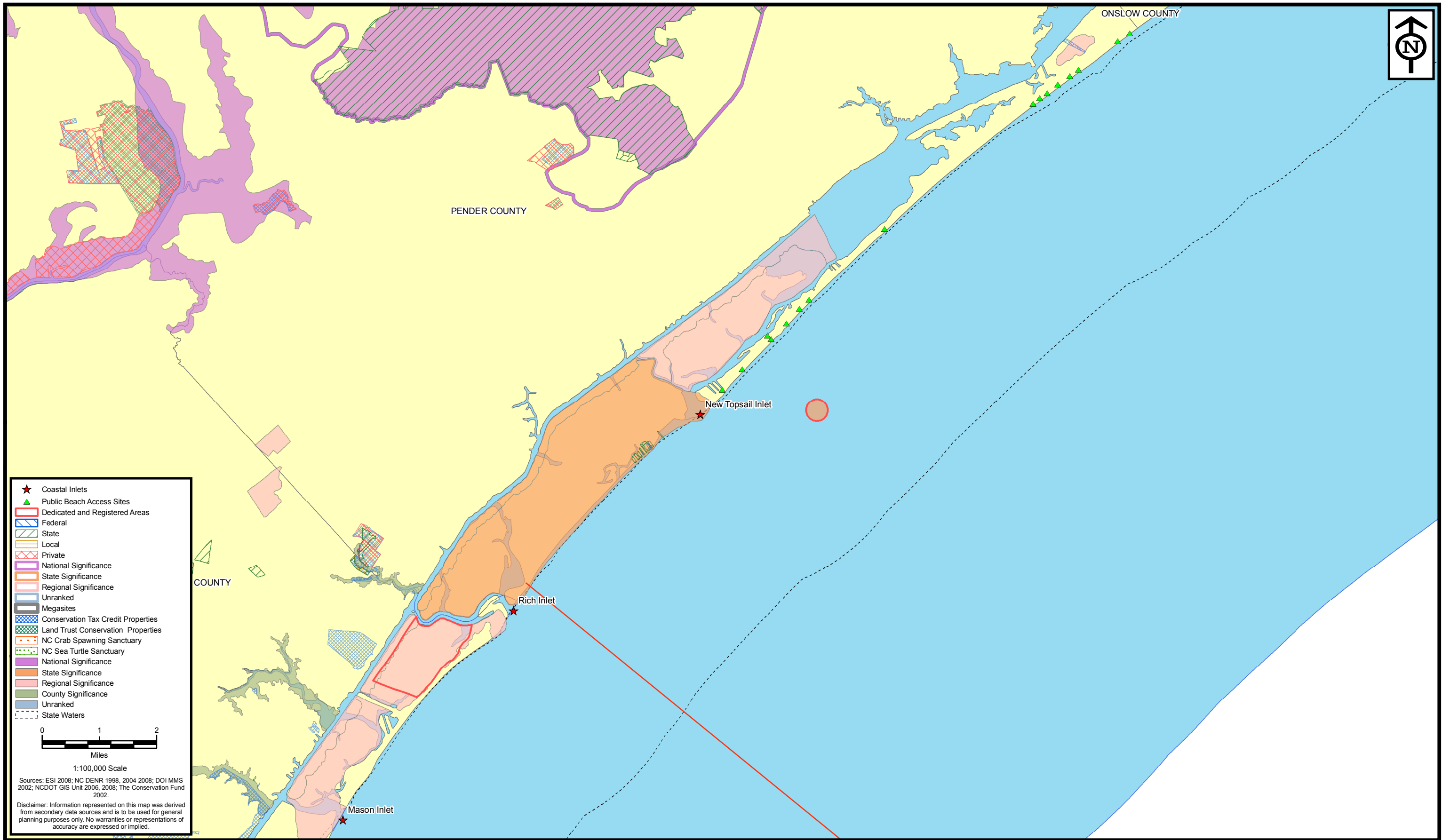
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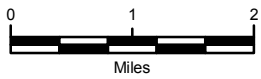
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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 5  
 Region 2a

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▭ Federal
- ▭ State
- ▭ Local
- ▭ Private
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ Unranked
- ▭ Megasilites
- ▭ Conservation Tax Credit Properties
- ▭ Land Trust Conservation Properties
- ▭ NC Crab Spawning Sanctuary
- ▭ NC Sea Turtle Sanctuary
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ County Significance
- ▭ Unranked
- - - State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

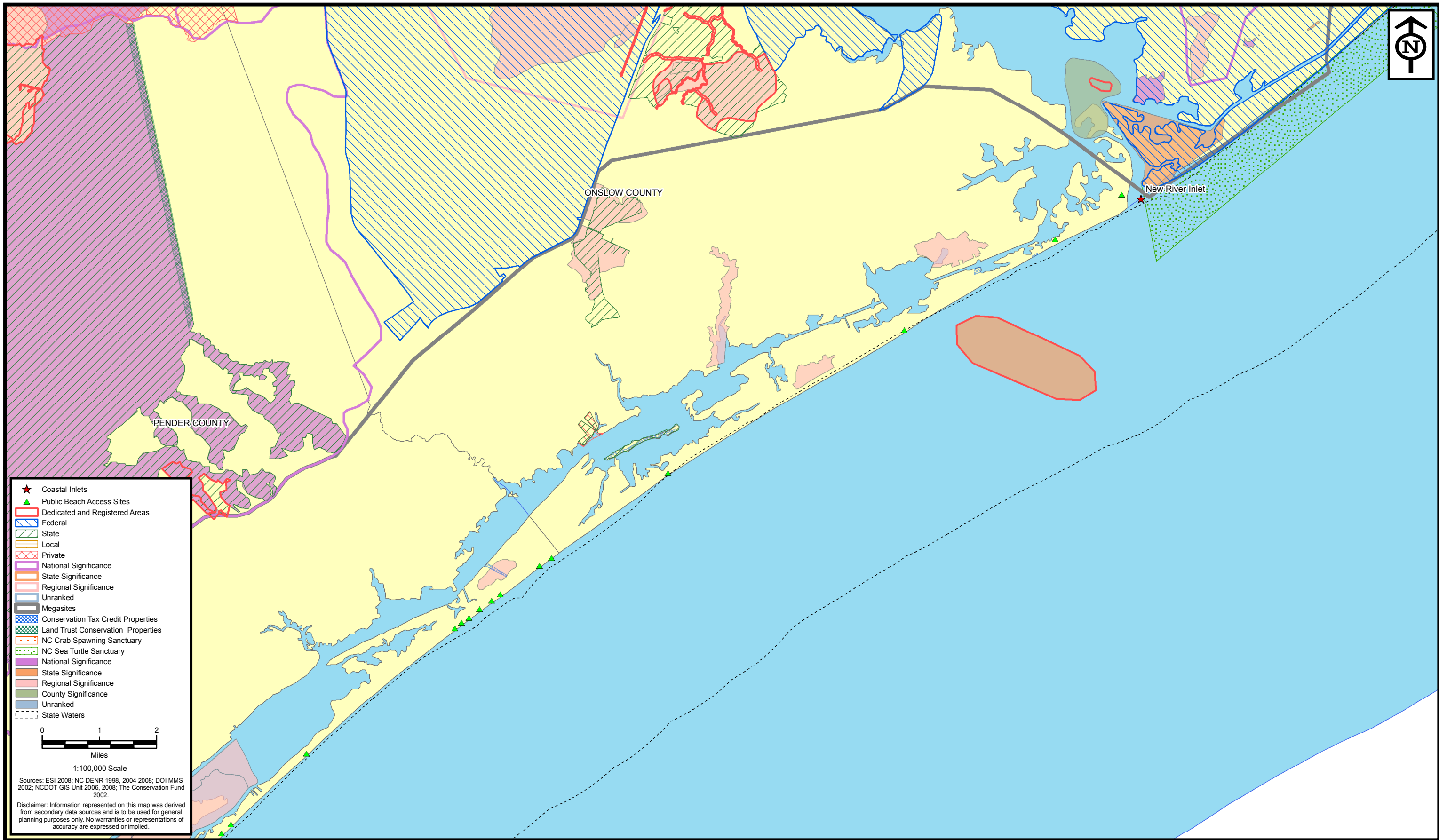
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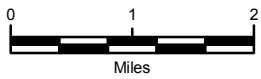
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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 6  
 Region 2b

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▭ Federal
- ▭ State
- ▭ Local
- ▭ Private
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ Unranked
- ▭ Megsites
- ▭ Conservation Tax Credit Properties
- ▭ Land Trust Conservation Properties
- ▭ NC Crab Spawning Sanctuary
- ▭ NC Sea Turtle Sanctuary
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ County Significance
- ▭ Unranked
- ▭ State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

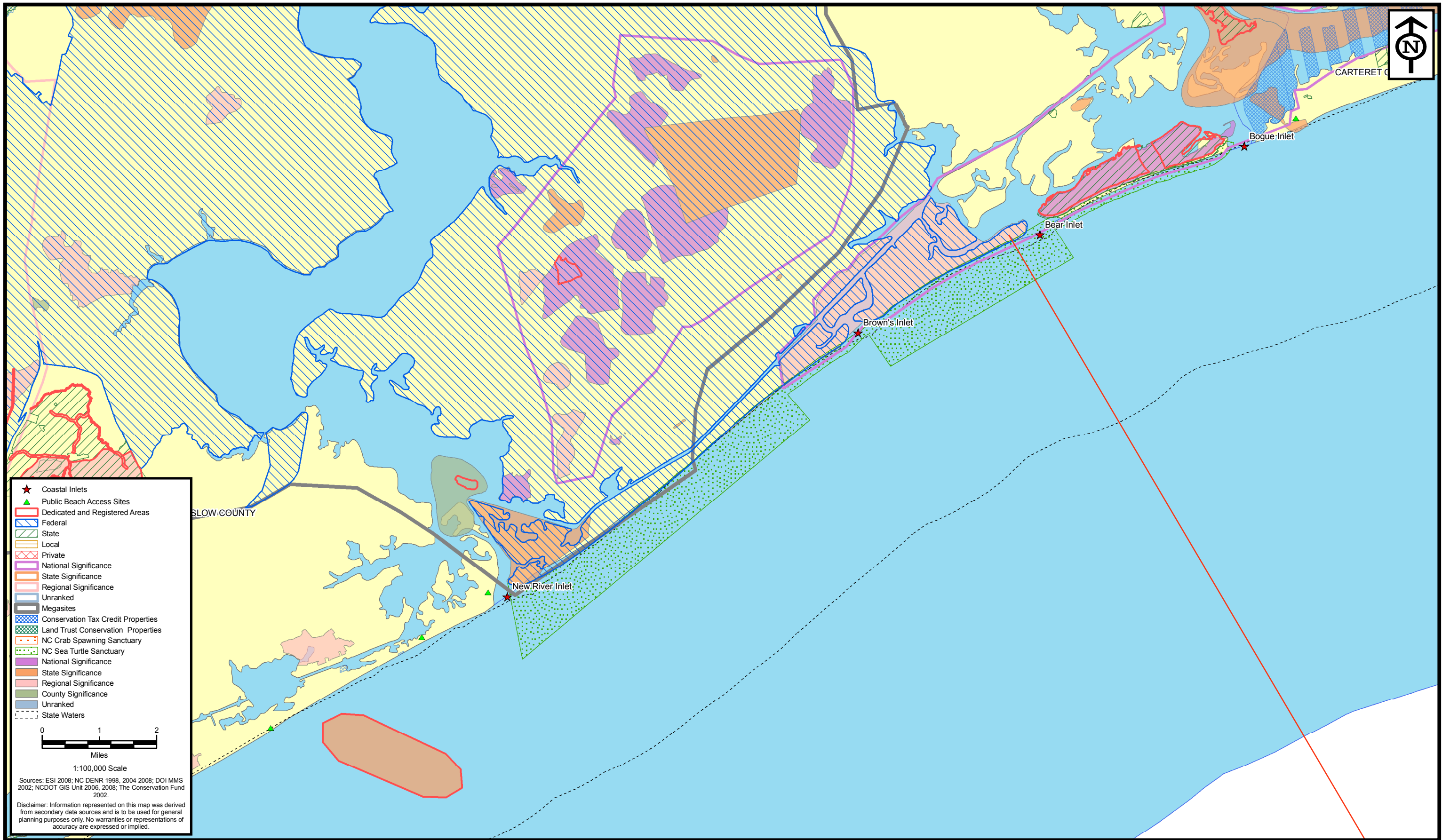
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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 7  
 Region 2b

**BIMP**  
 N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites  
 [Red outline] Dedicated and Registered Areas  
 [Blue diagonal lines] Federal  
 [Green diagonal lines] State  
 [Yellow diagonal lines] Local  
 [Pink diagonal lines] Private  
 [Purple diagonal lines] National Significance  
 [Orange diagonal lines] State Significance  
 [Light pink diagonal lines] Regional Significance  
 [White diagonal lines] Unranked  
 [Grey diagonal lines] Megasites  
 [Blue checkered pattern] Conservation Tax Credit Properties  
 [Green checkered pattern] Land Trust Conservation Properties  
 [Red dashed border] NC Crab Spawning Sanctuary  
 [Green dotted pattern] NC Sea Turtle Sanctuary  
 [Purple solid fill] National Significance  
 [Orange solid fill] State Significance  
 [Light pink solid fill] Regional Significance  
 [Green solid fill] County Significance  
 [Blue solid fill] Unranked  
 [Dashed line] State Waters

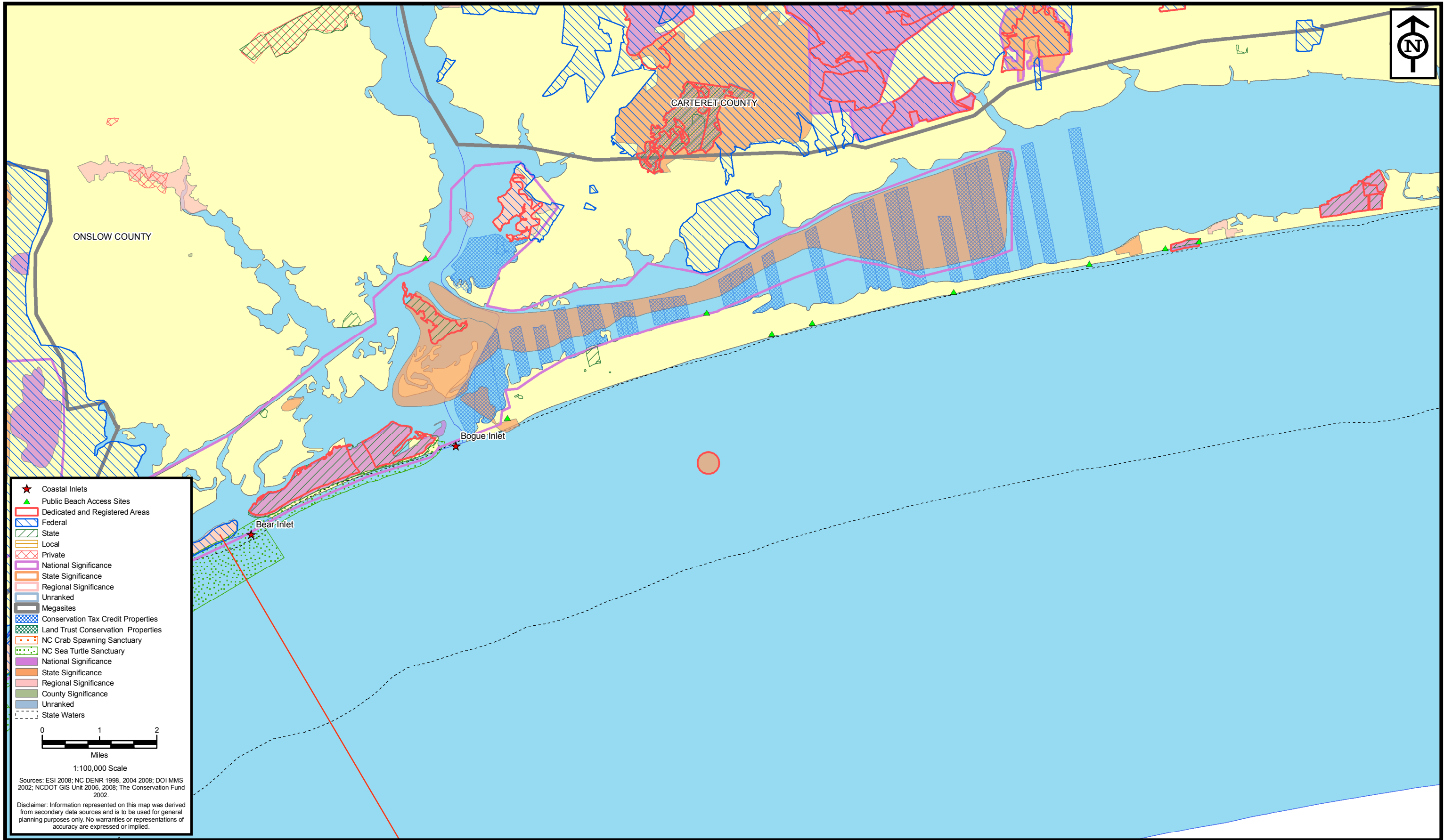
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 Miles  
 1:100,000 Scale  
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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 8  
 Region 2b

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▭ Federal
- ▭ State
- ▭ Local
- ▭ Private
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ Unranked
- ▭ Megasites
- ▭ Conservation Tax Credit Properties
- ▭ Land Trust Conservation Properties
- ▭ NC Crab Spawning Sanctuary
- ▭ NC Sea Turtle Sanctuary
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ County Significance
- ▭ Unranked
- ▭ State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

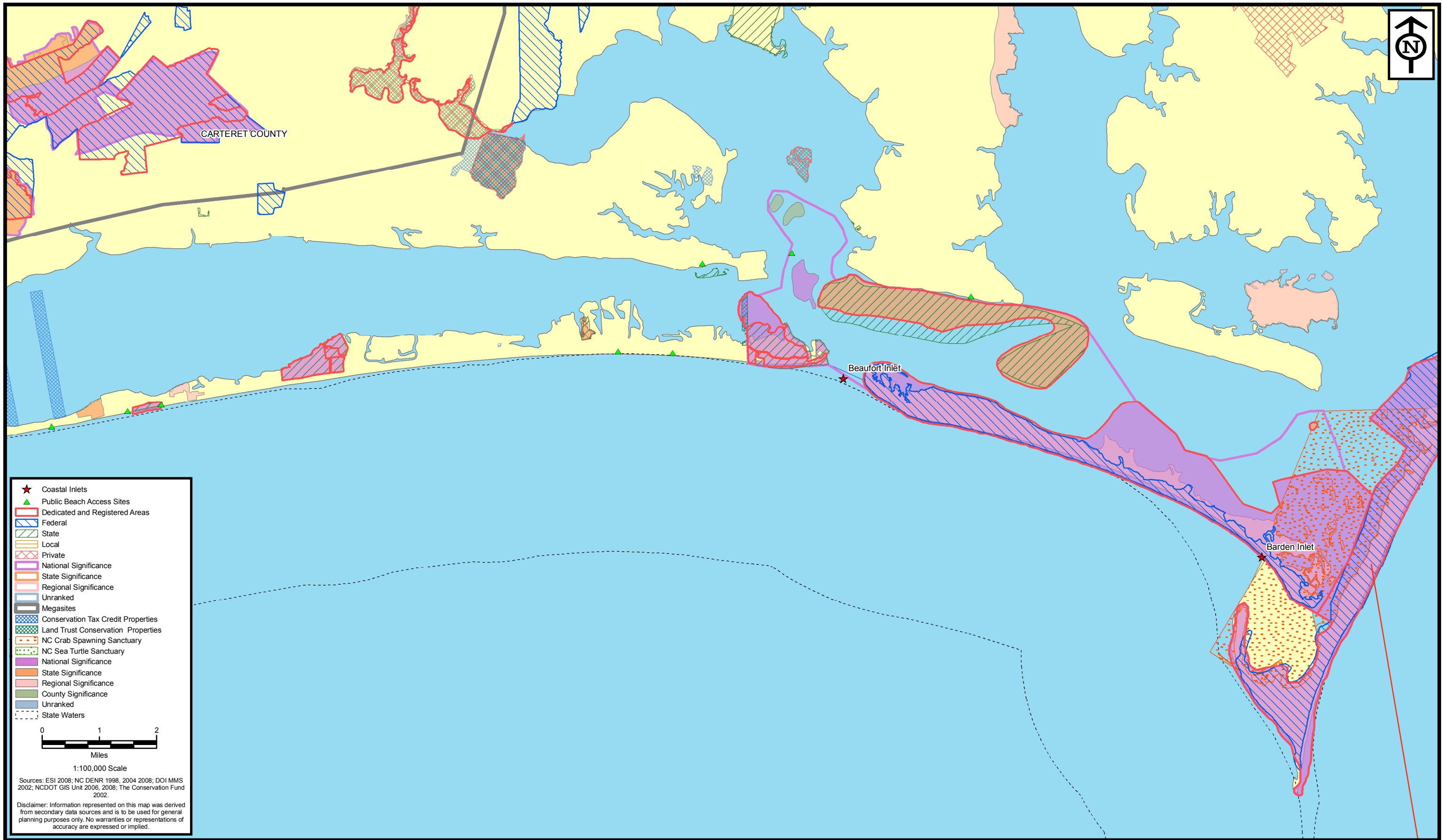
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**North Carolina Beach and Inlet Management Plan**  
Sheet 9  
Region 2c

**BIMP**  
N.C. Beach and Inlet Management Plan



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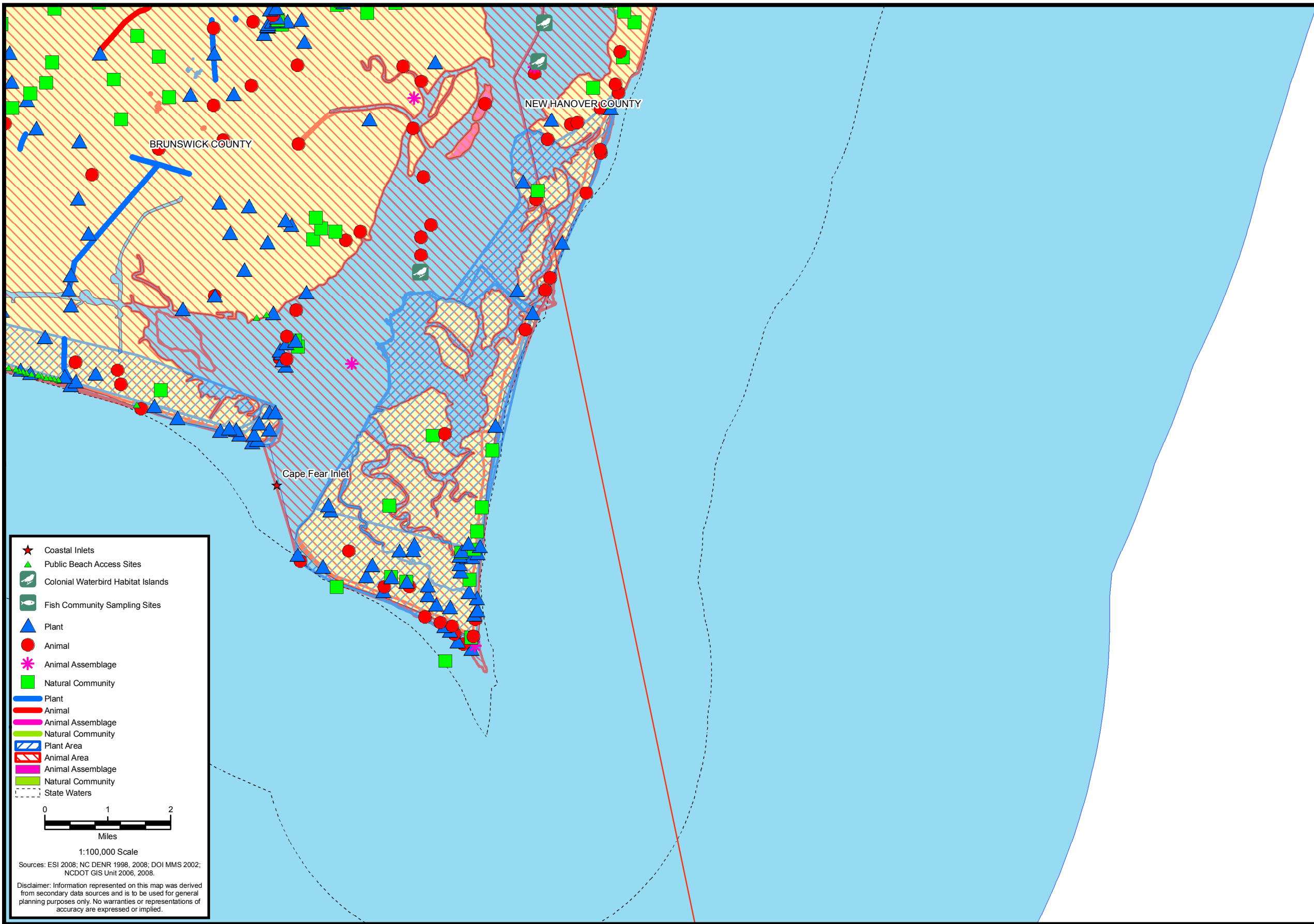
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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 10  
 Region 2c

**BIMP**  
 N.C. Beach and Inlet Management Plan

# Protected Species





- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🌿 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳ Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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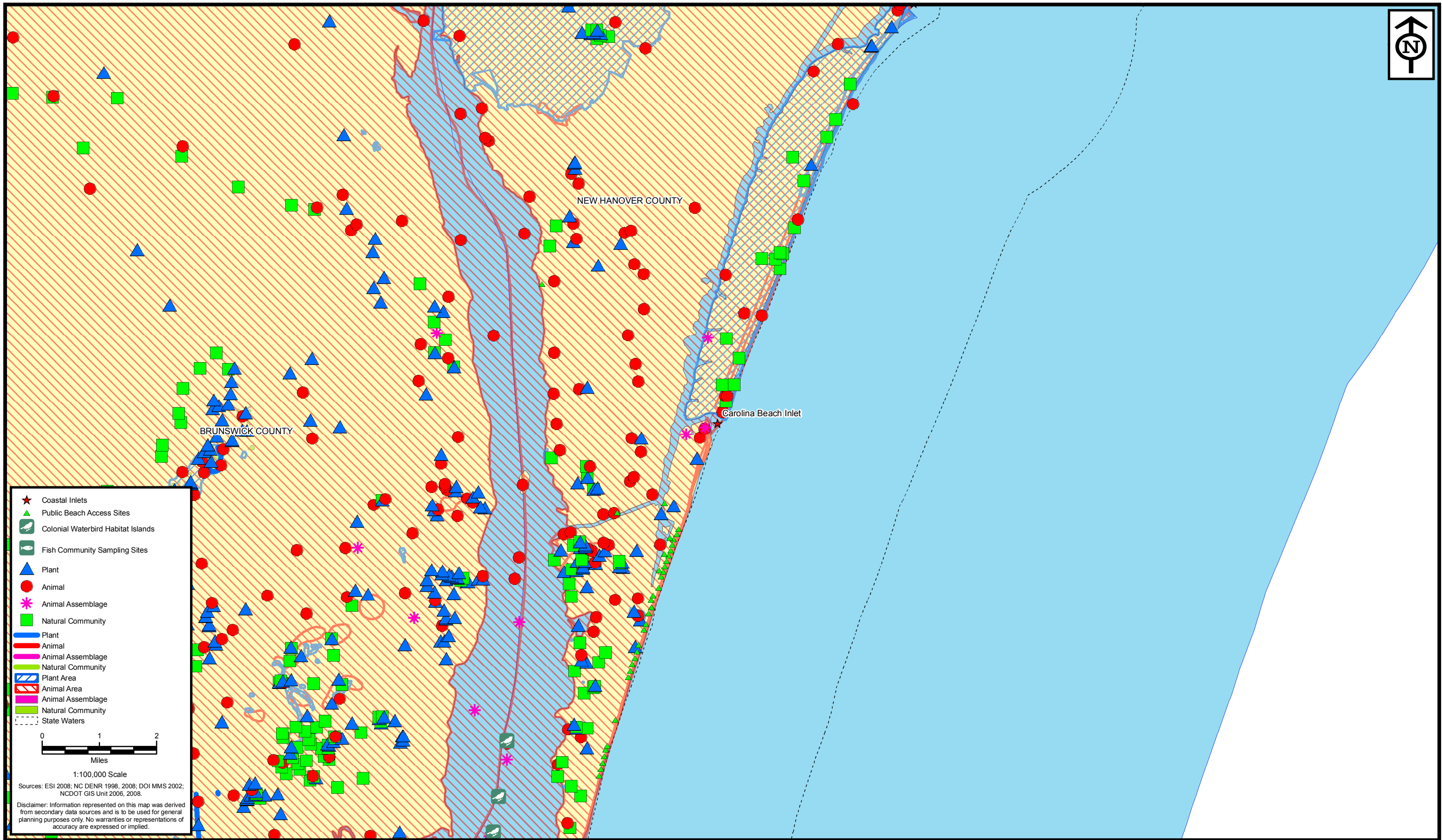


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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 3  
Region 2a



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🐦 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳ Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

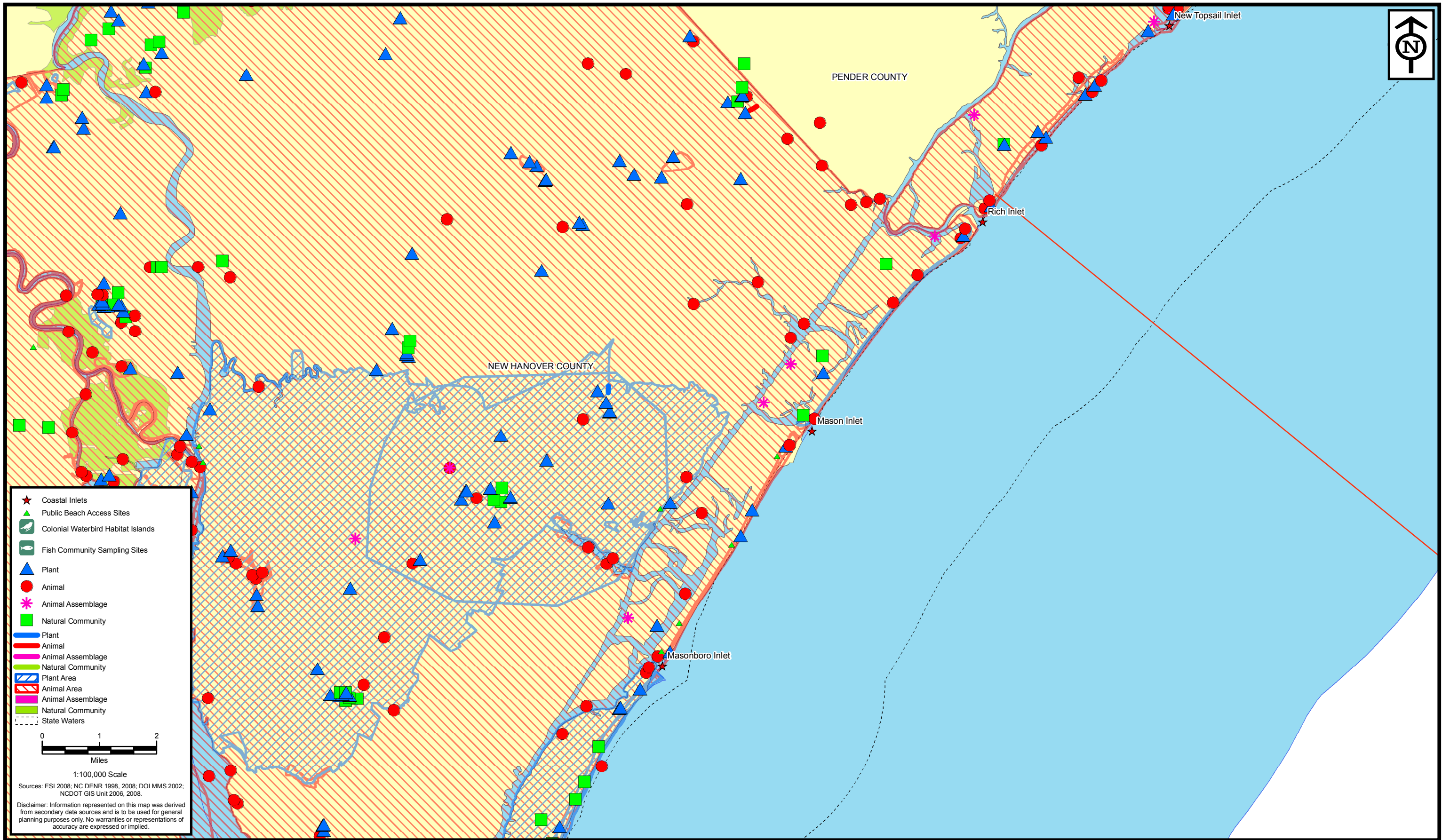
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 4  
Region 2a

**BIMP**  
N.C. Beach and Inlet Management Plan

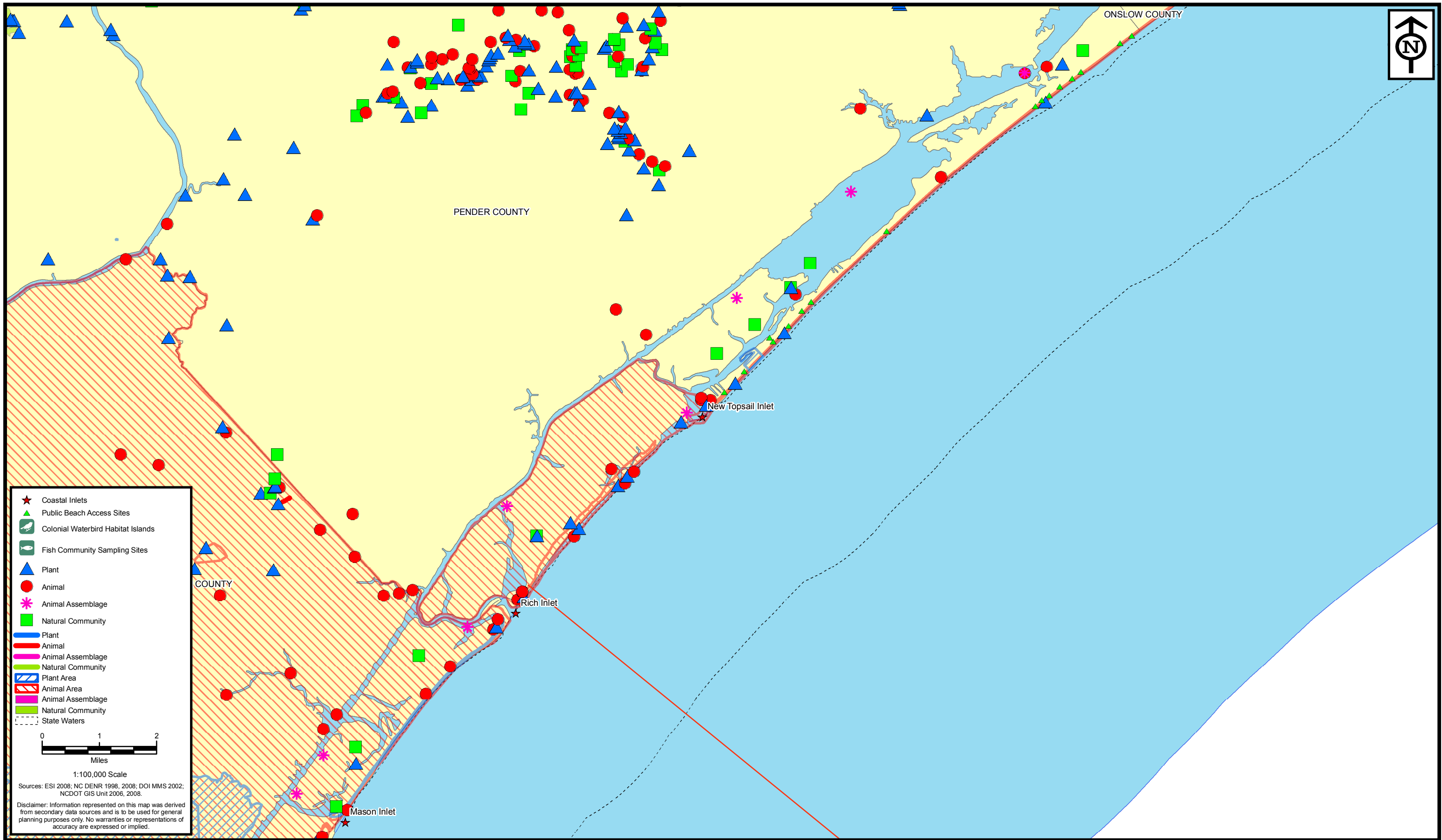


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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 5  
Region 2a

**BIMP**  
N.C. Beach and Inlet Management Plan

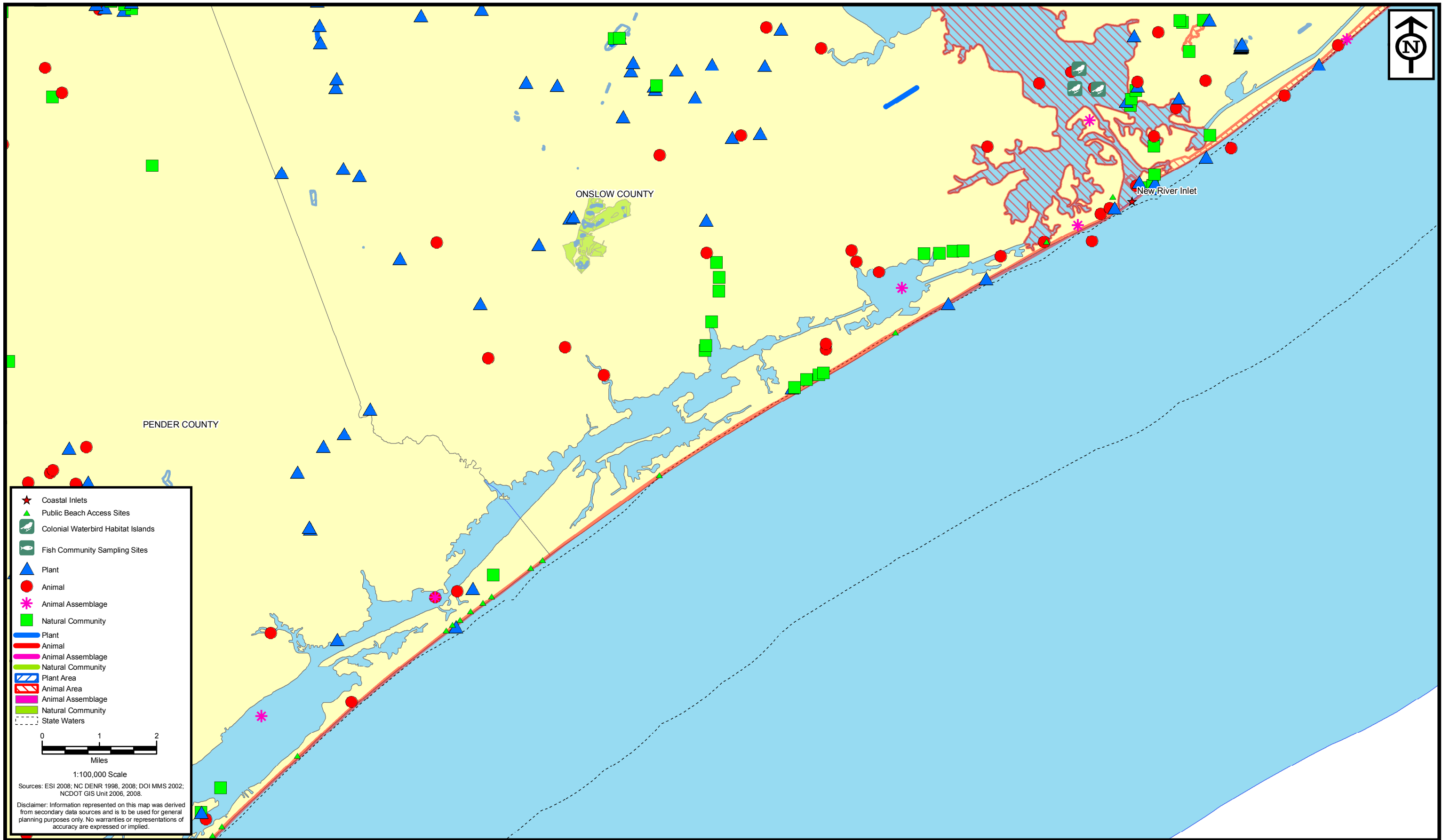


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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 6  
Region 2b

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🦅 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳ Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

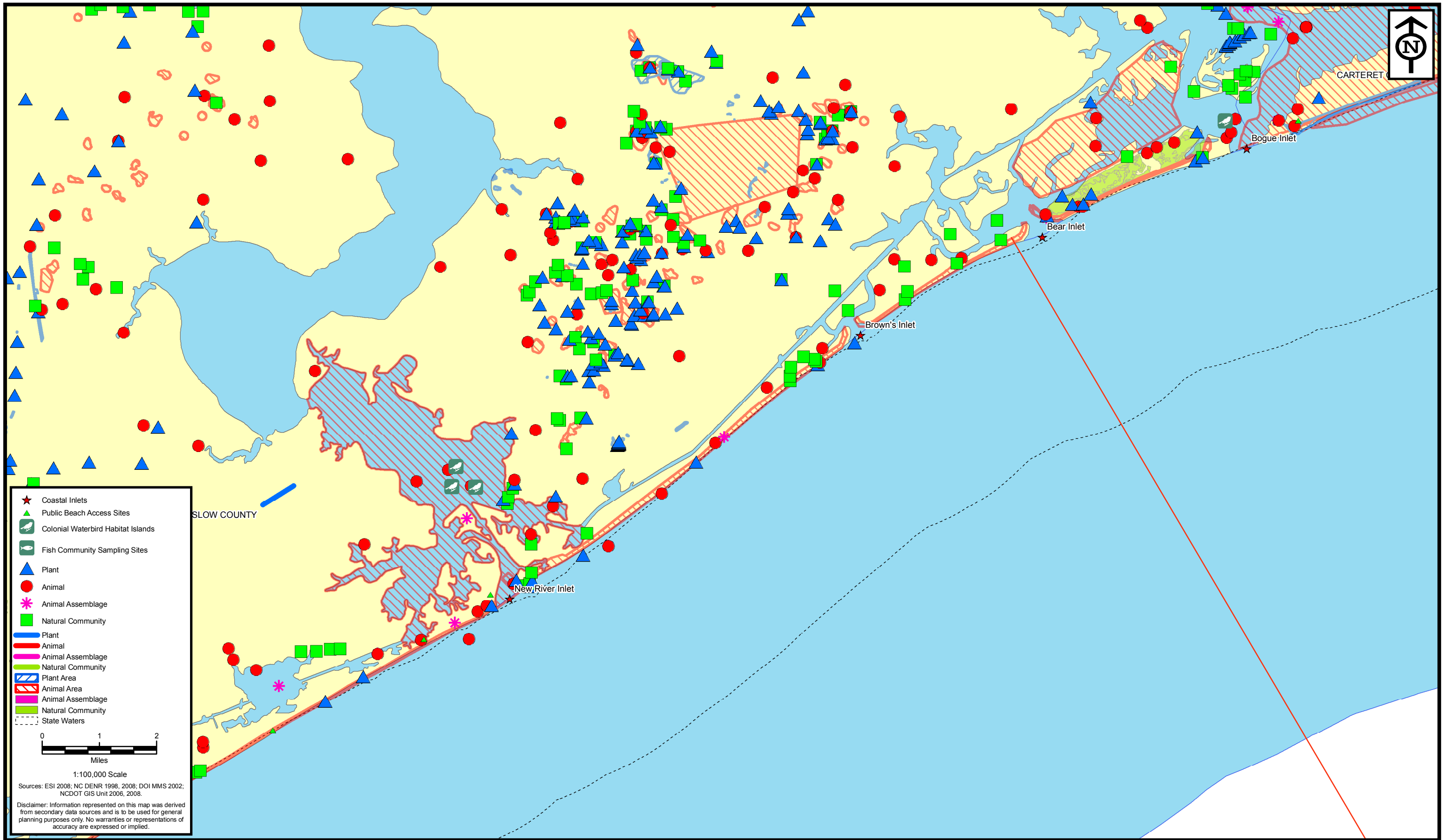
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 7  
 Region 2b

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🦢 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳ Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

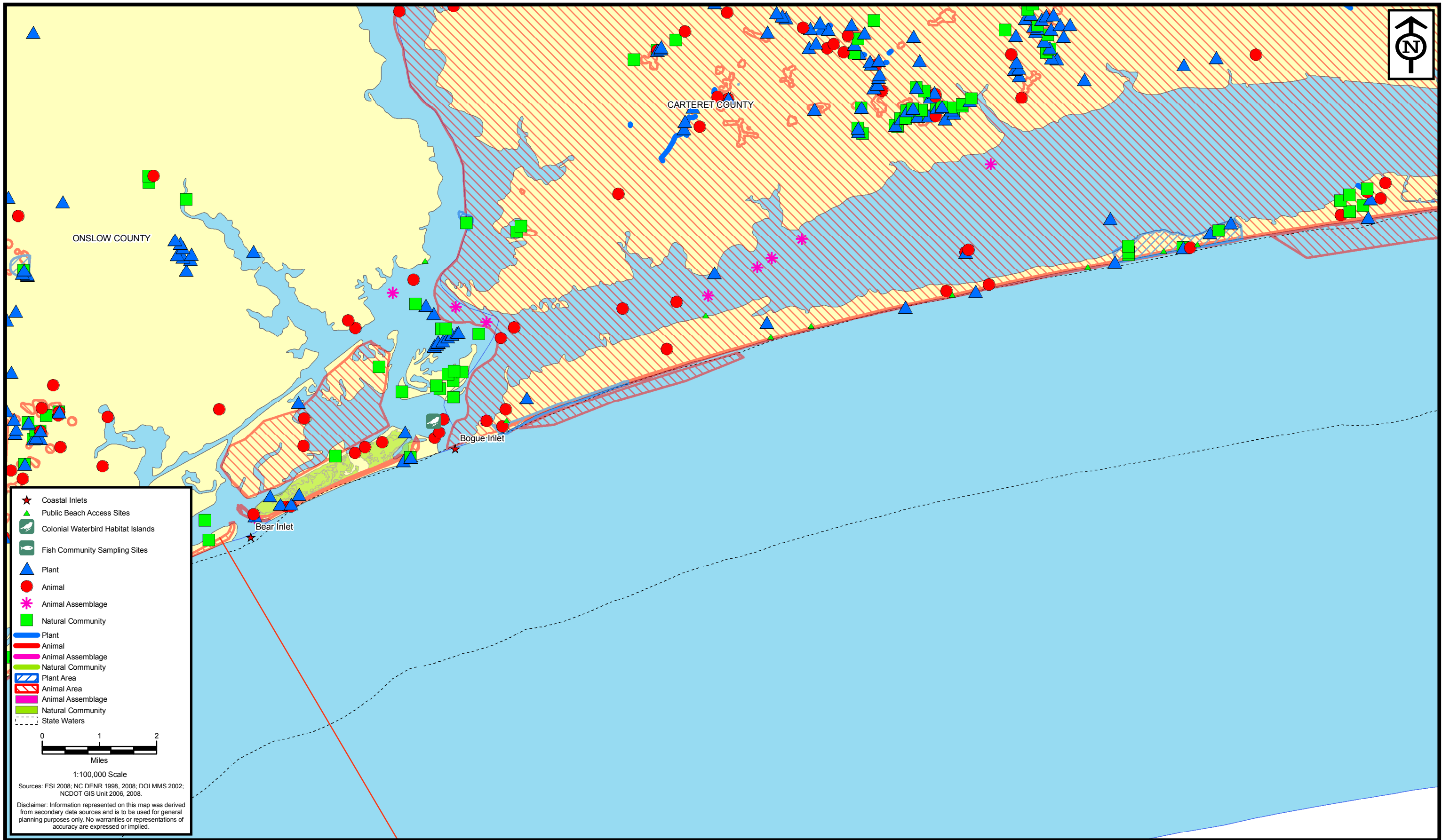
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 8  
Region 2b

**BIMP**  
N.C. Beach and Inlet Management Plan

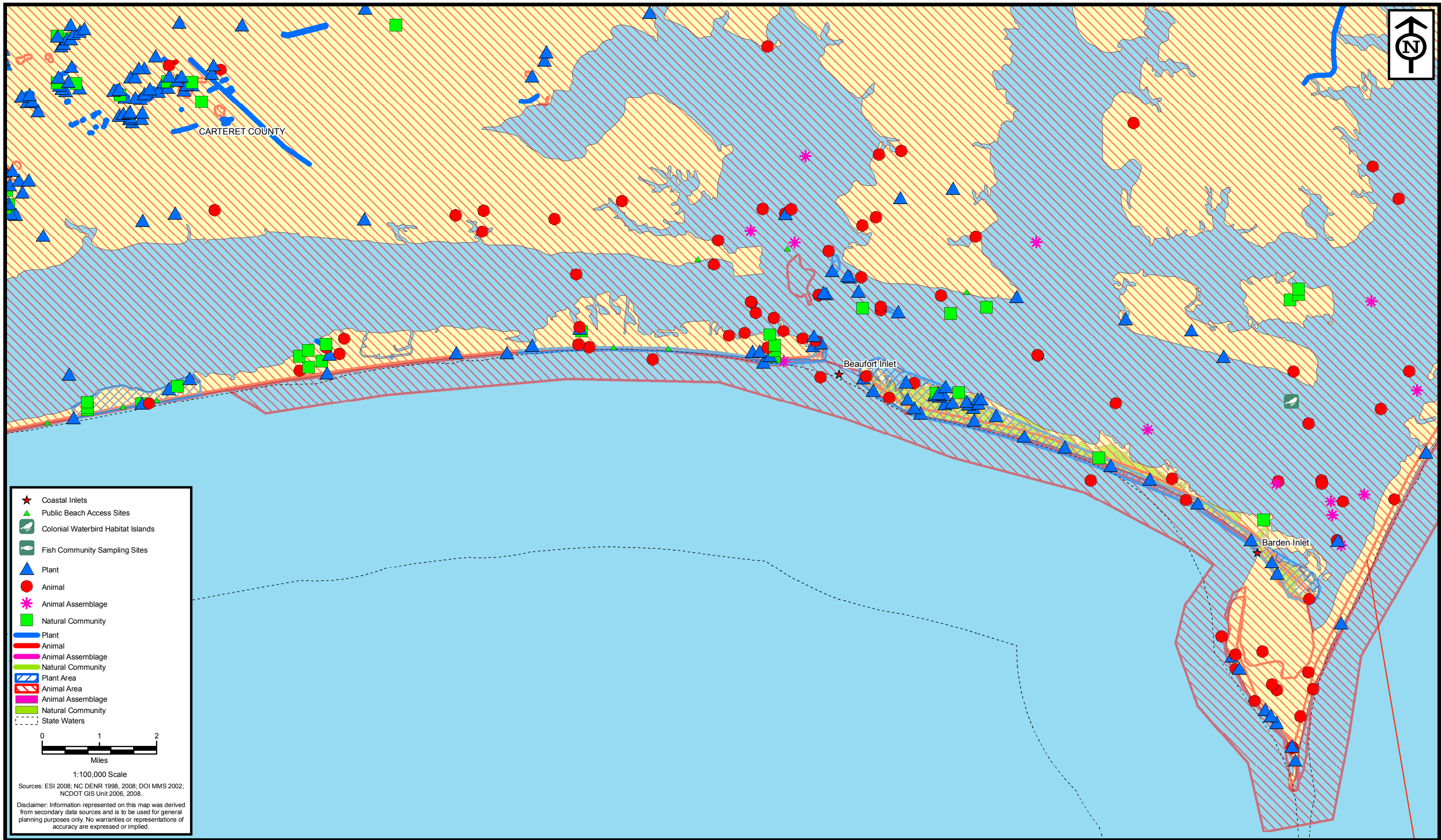


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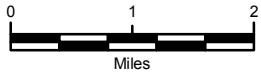
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 9  
Region 2c

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🦅 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳ Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



1:100,000 Scale

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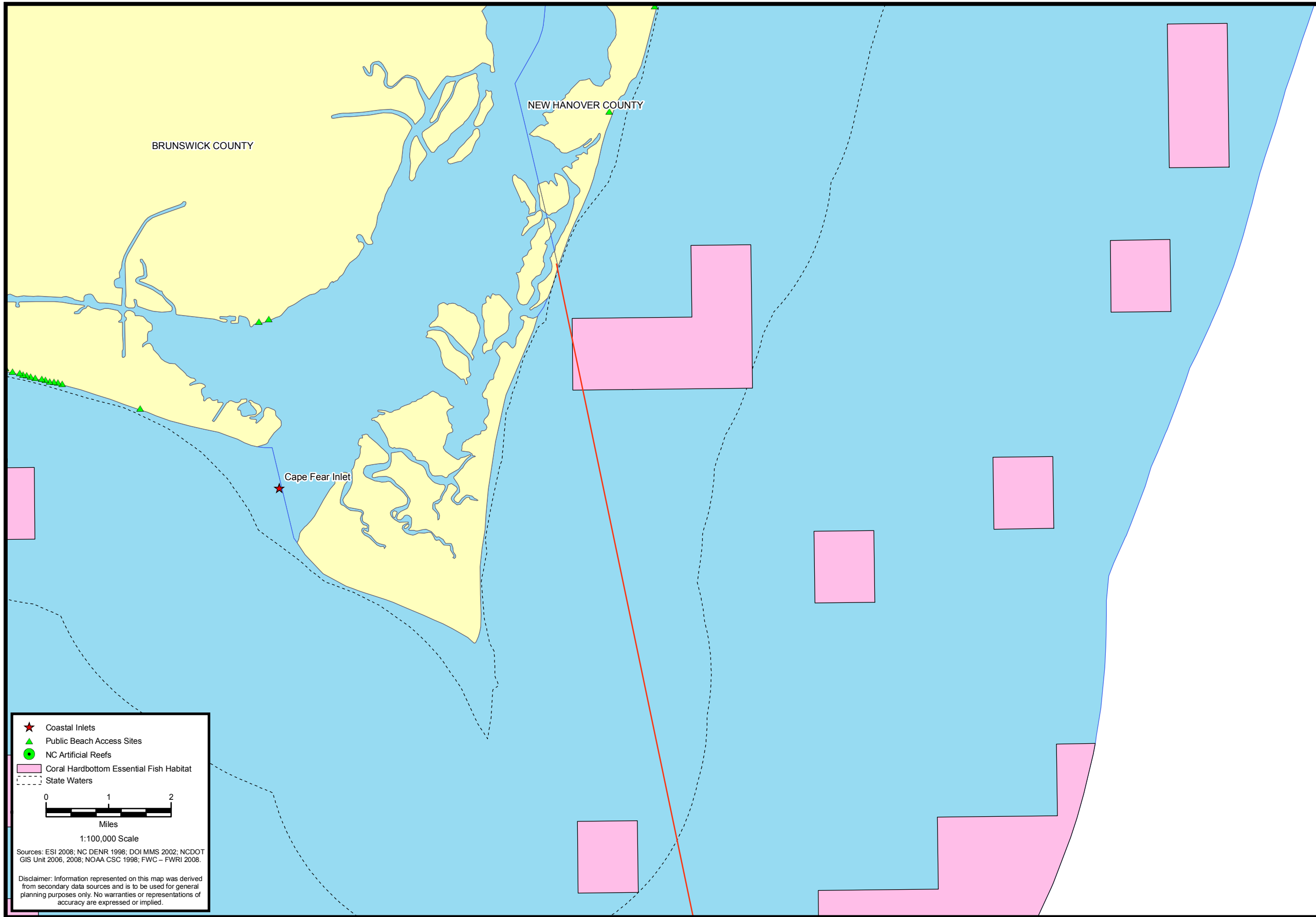
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 10  
 Region 2c

**BIMP**  
 N.C. Beach and Inlet Management Plan



Hard Bottom



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 3  
Region 2a








**BIMP**  
N.C. Beach and Inlet Management Plan



NEW HANOVER COUNTY

BRUNSWICK COUNTY

Carolina Beach Inlet

-  Coastal Inlets
-  Public Beach Access Sites
-  NC Artificial Reefs
-  Coral Hardbottom Essential Fish Habitat
-  State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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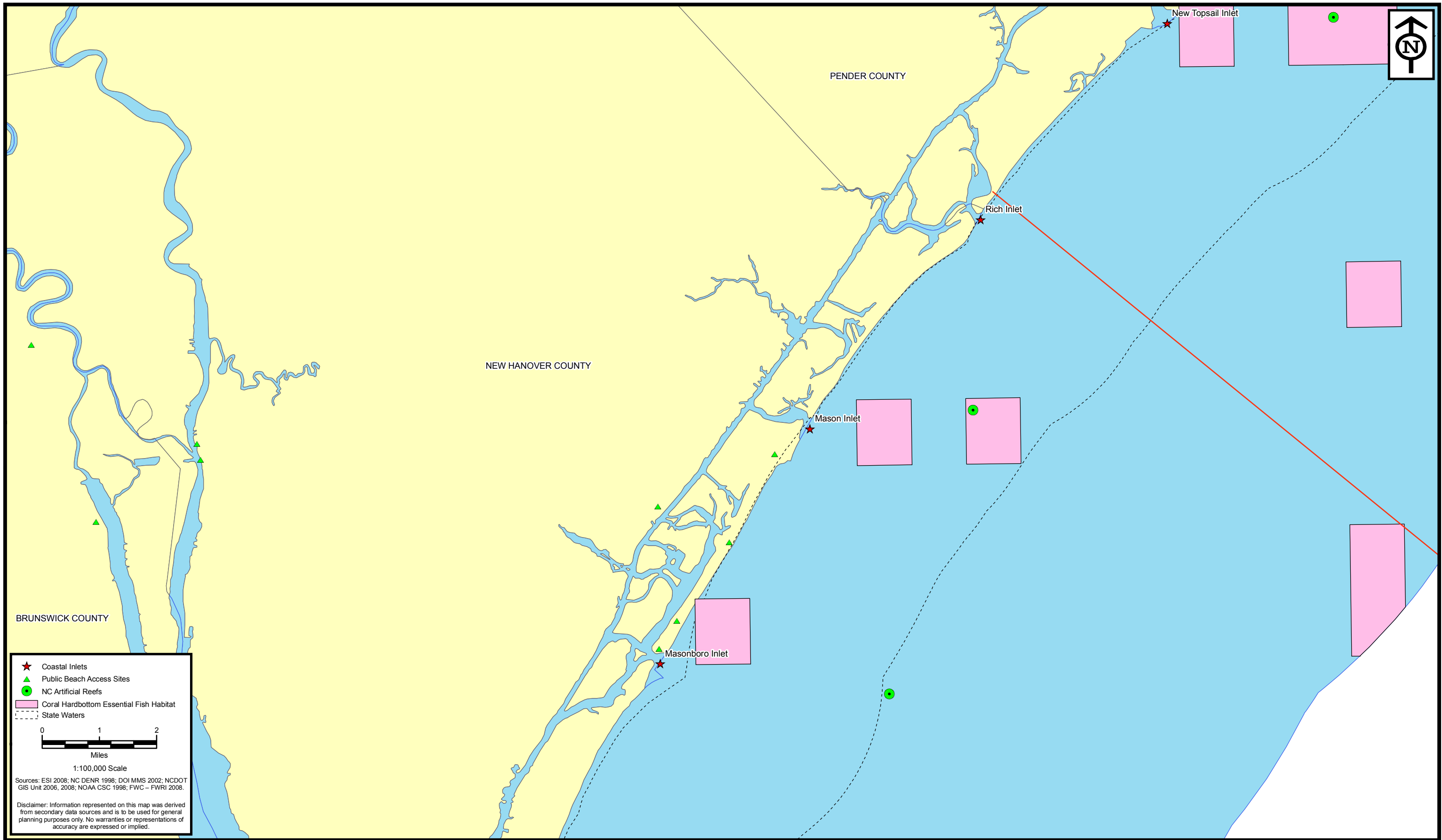
Hard Bottom

## North Carolina Beach and Inlet Management Plan

Sheet 4  
Region 2a



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWR 2008.

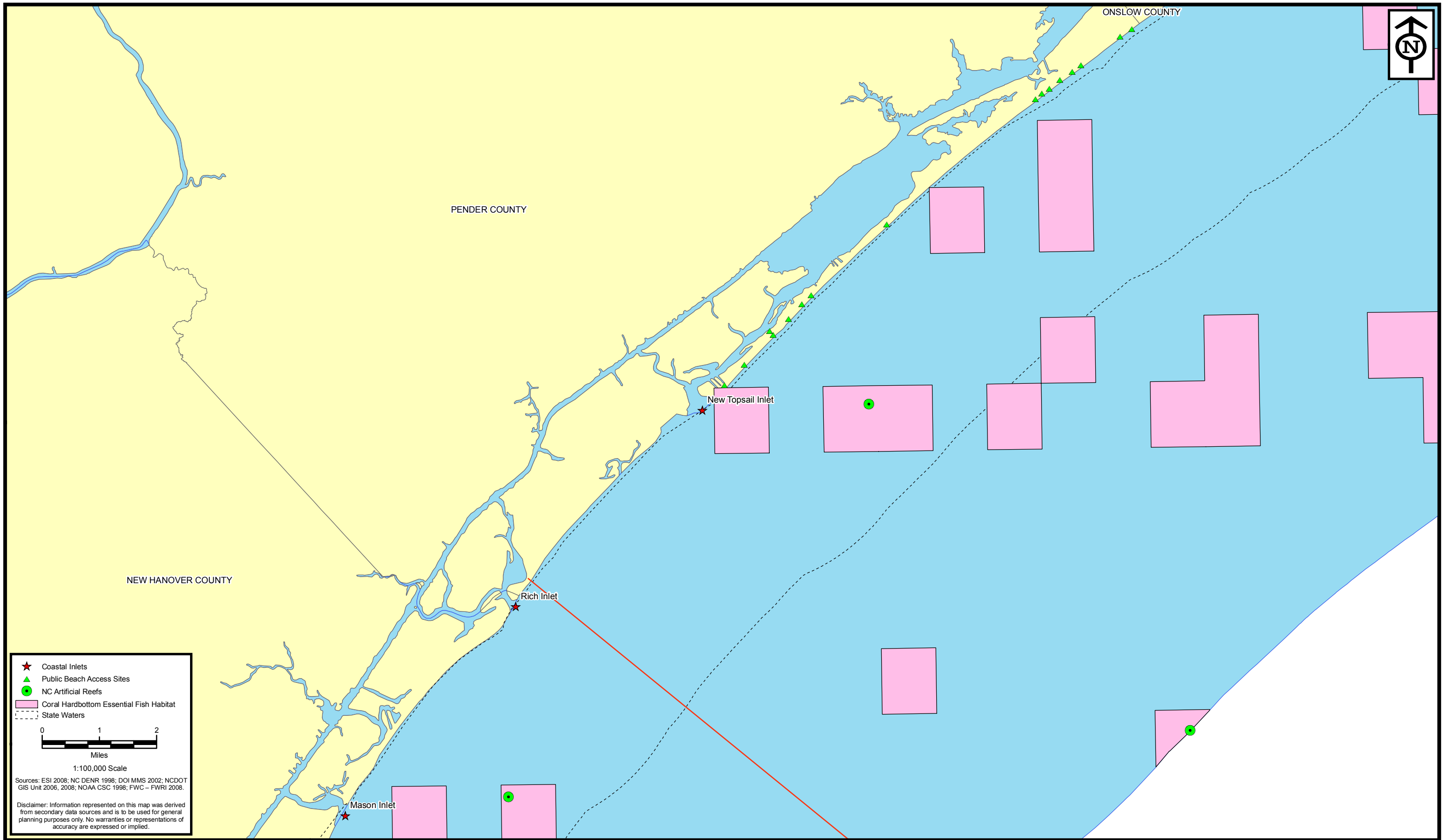
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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 5  
Region 2a

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

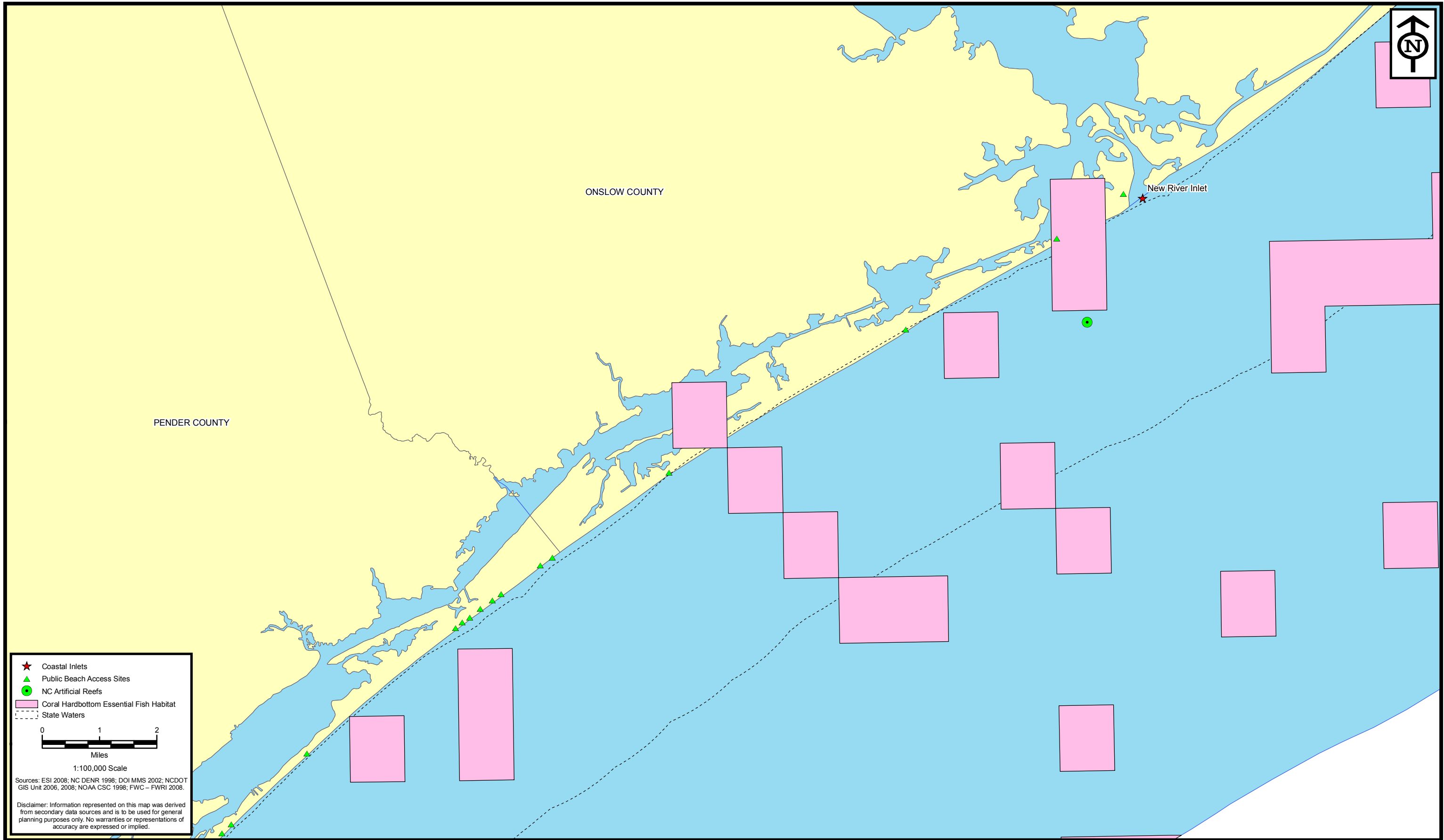
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**MOFFATT & NICHOL**

Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 6  
Region 2b

**BIMP**  
N.C. Beach and Inlet Management Plan



ONslow COUNTY

PENDER COUNTY

New River Inlet

- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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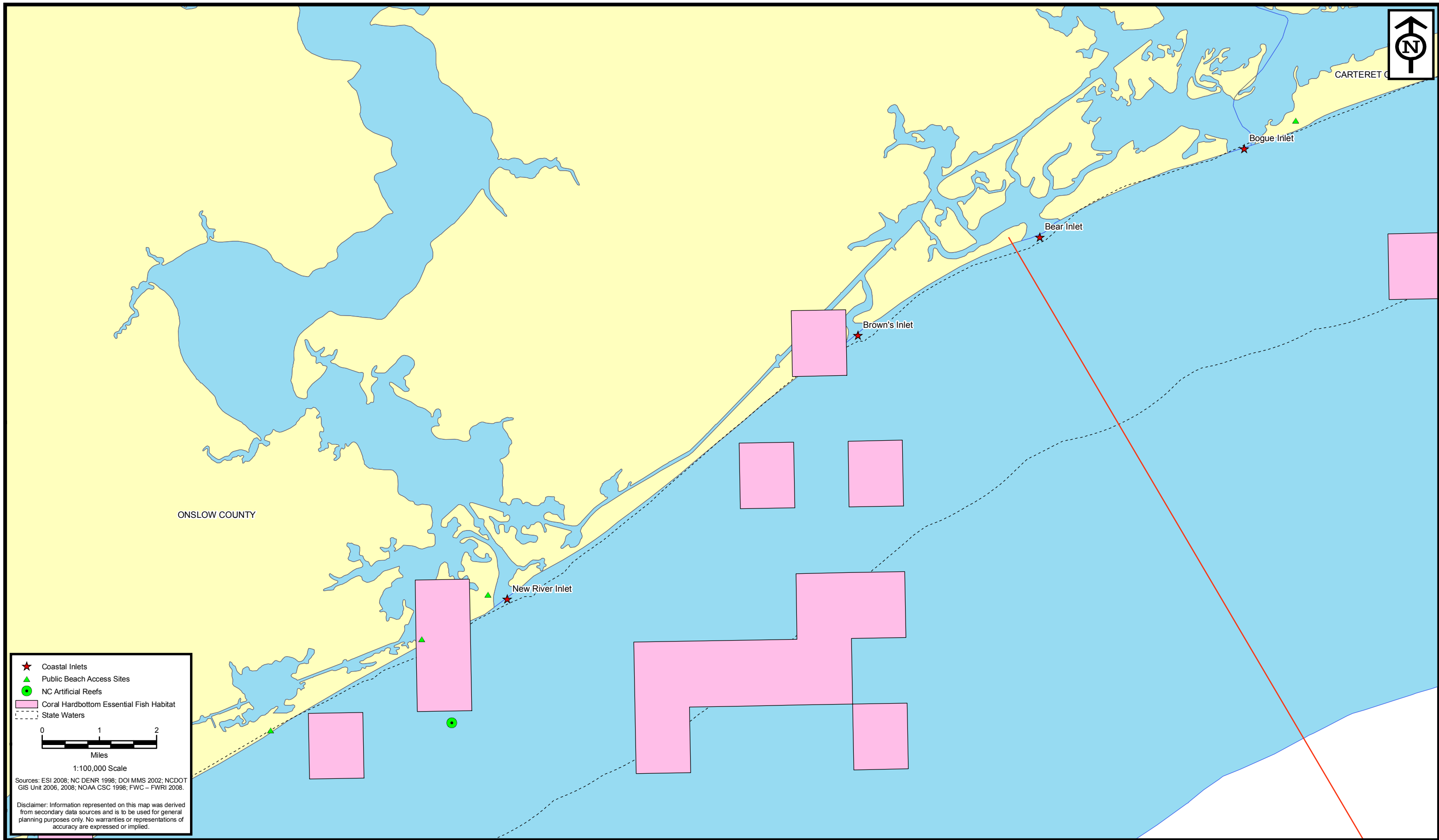
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Hard Bottom

## North Carolina Beach and Inlet Management Plan

Sheet 7  
Region 2b

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

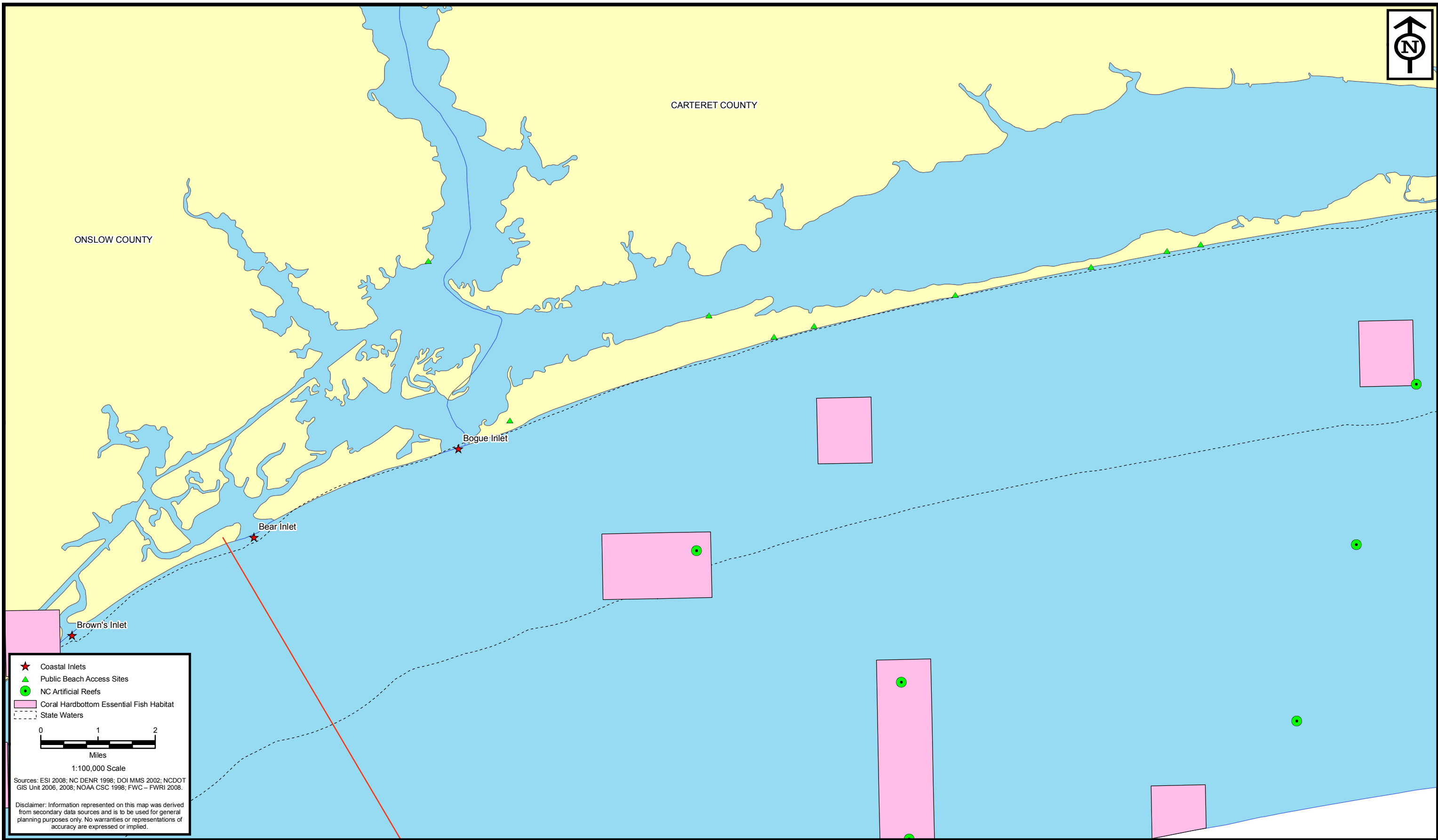
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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 8  
Region 2b

**BIMP**  
N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites  
 ● NC Artificial Reefs  
 ■ Coral Hardbottom Essential Fish Habitat  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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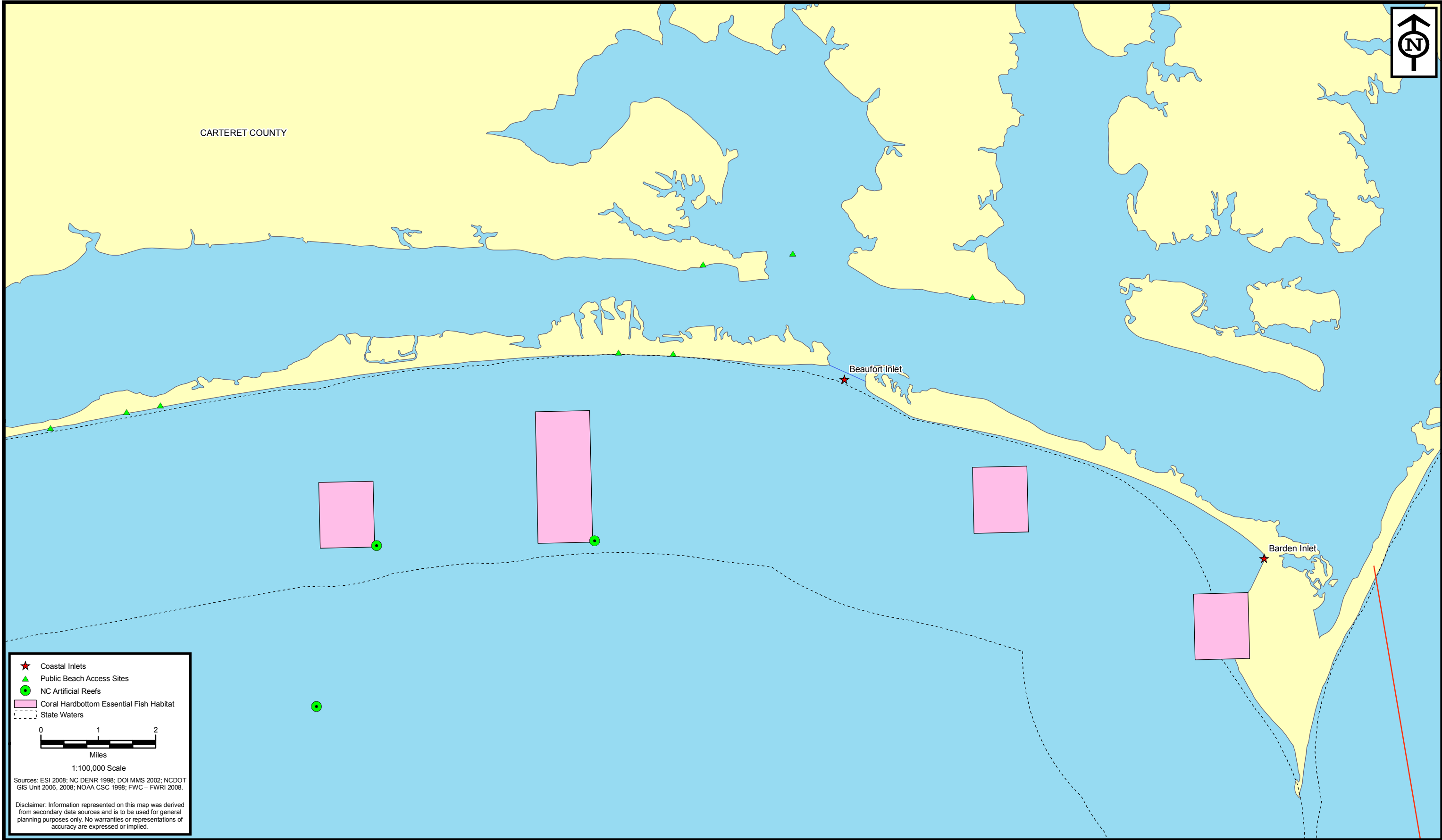
Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 9  
 Region 2c






**BIMP**  
 N.C. Beach and Inlet Management Plan





CARTERET COUNTY



-  Coastal Inlets
-  Public Beach Access Sites
-  NC Artificial Reefs
-  Coral Hardbottom Essential Fish Habitat
-  State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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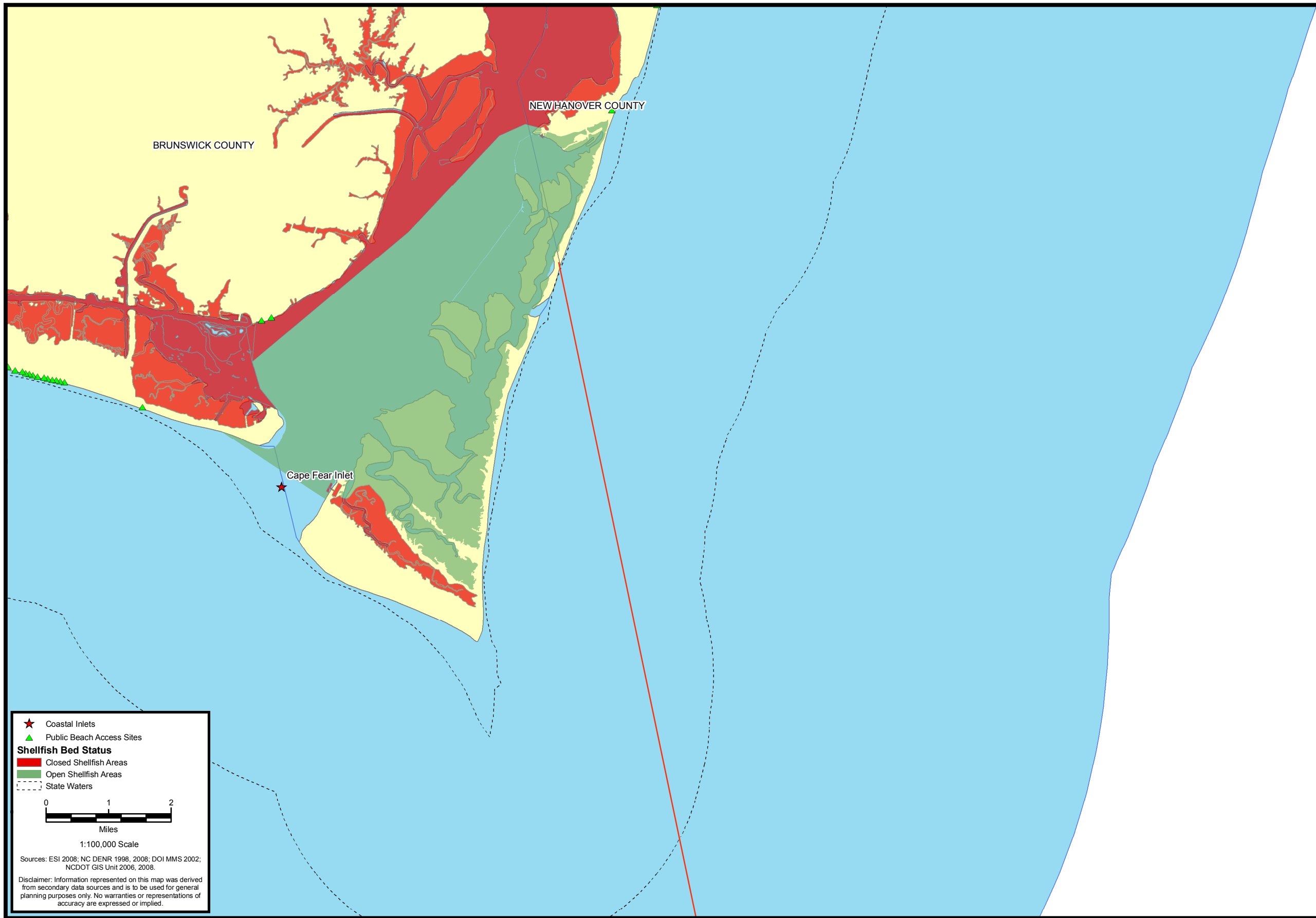
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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 10  
Region 2c



**BIMP**  
N.C. Beach and Inlet Management Plan

Shell Bottom



★ Coastal Inlets  
▲ Public Beach Access Sites

**Shellfish Bed Status**  
■ Closed Shellfish Areas  
■ Open Shellfish Areas  
--- State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

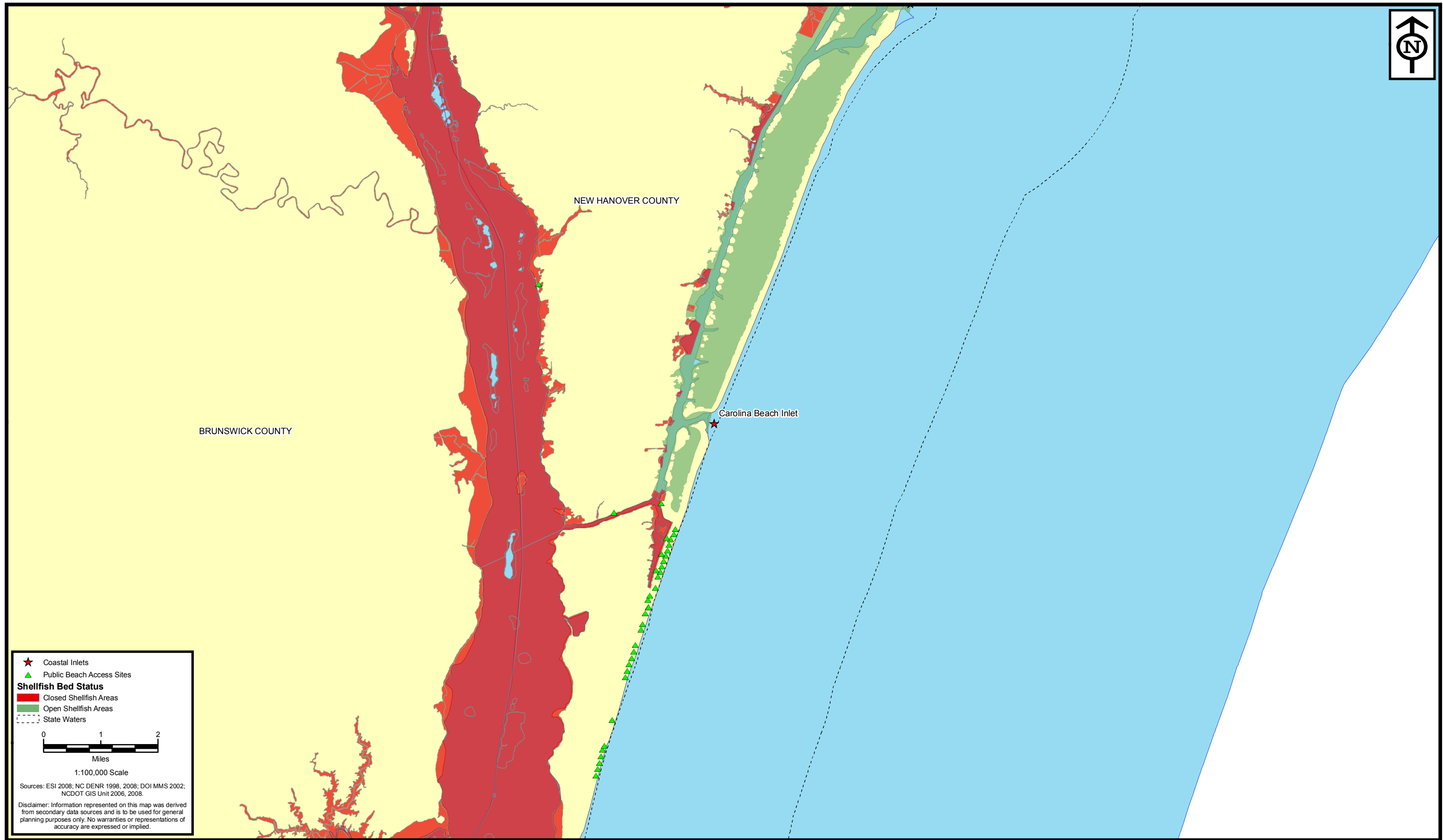
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 3  
Region 2a

**BIMP**  
N.C. Beach and Inlet Management Plan



NEW HANOVER COUNTY

BRUNSWICK COUNTY

Carolina Beach Inlet

★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

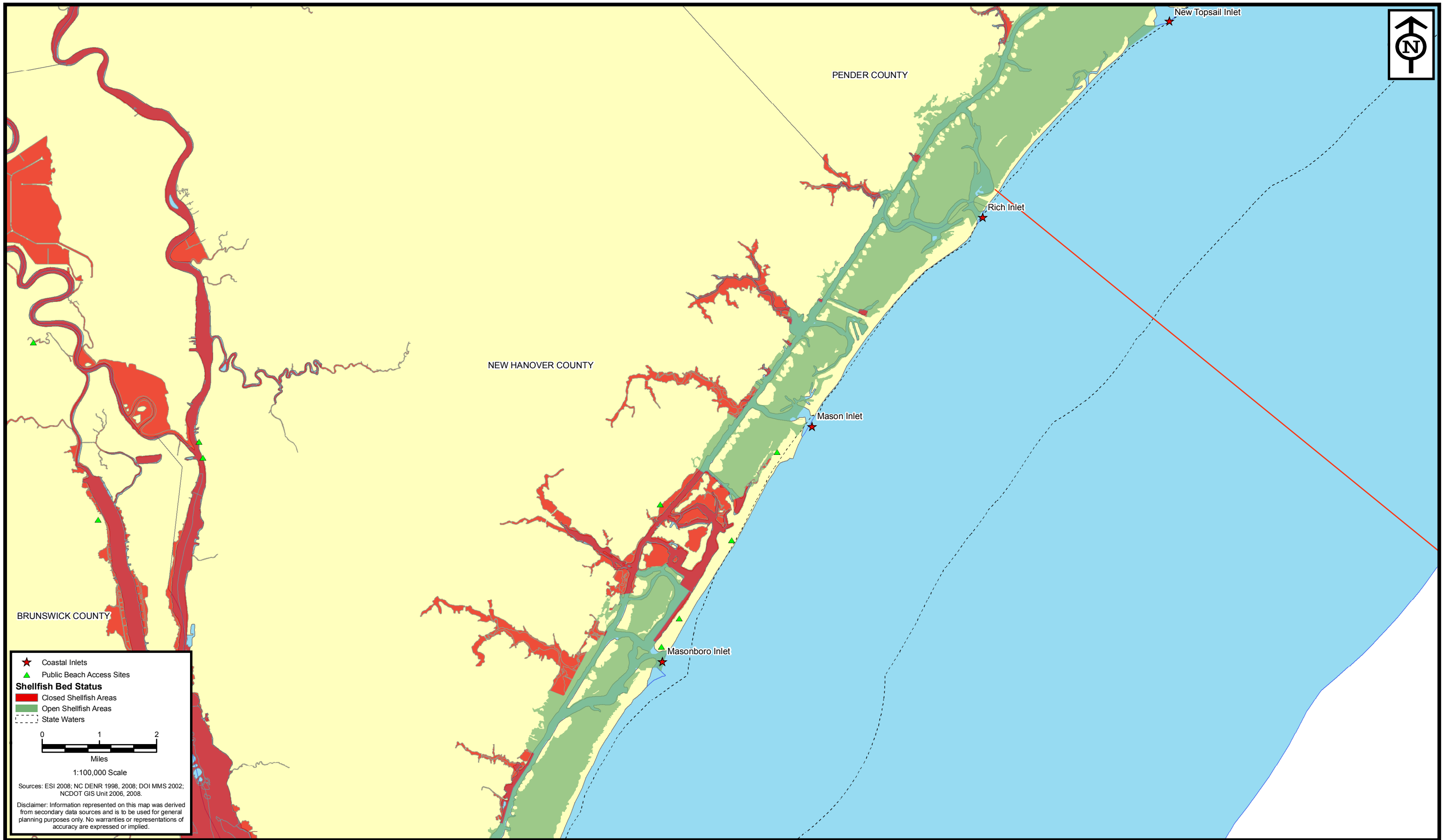
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 4  
 Region 2a

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites

**Shellfish Bed Status**

- Closed Shellfish Areas
- Open Shellfish Areas
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 5  
Region 2a

**BIMP**  
N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites  
**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

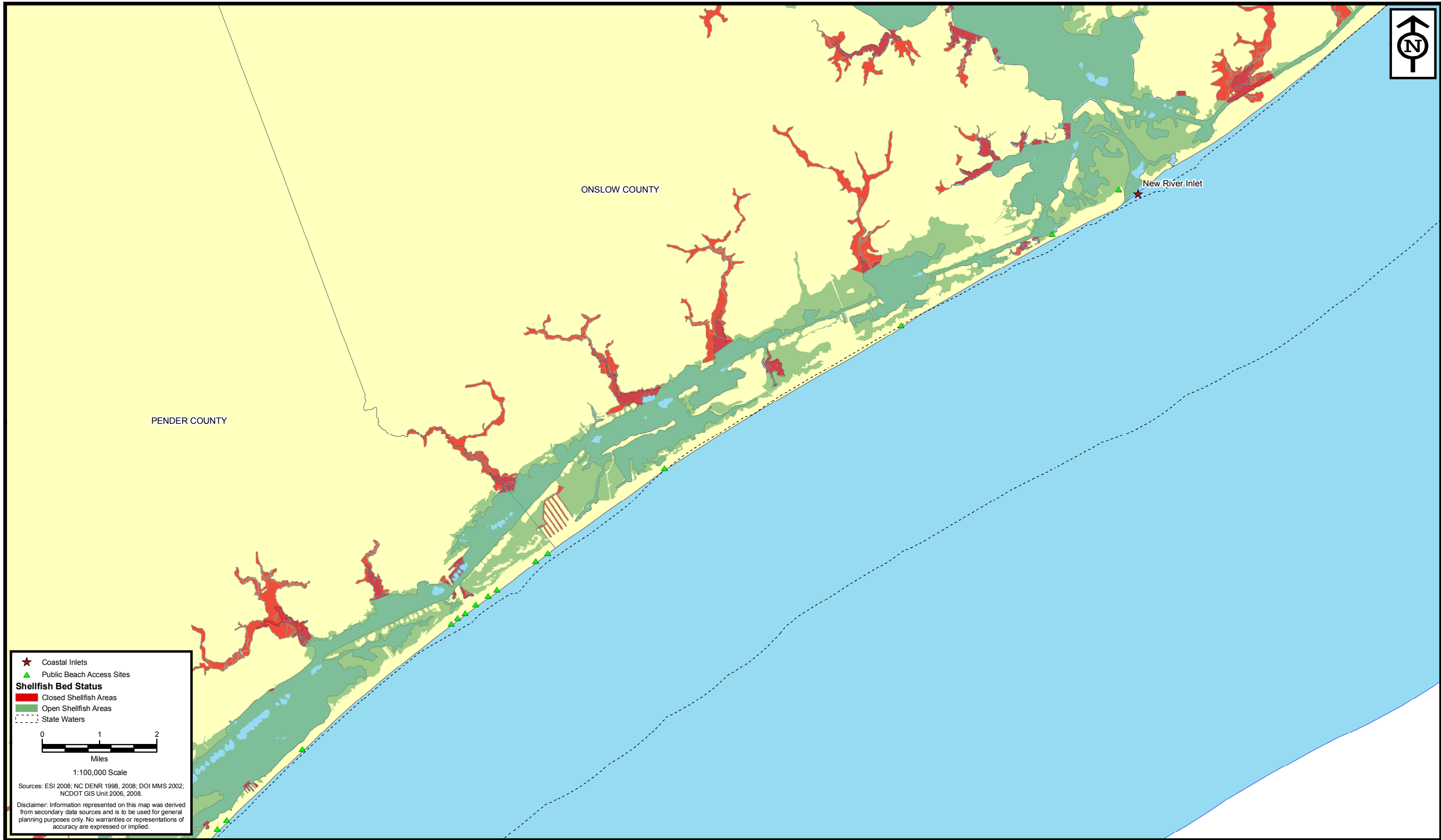
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 6  
 Region 2b

**BIMP**  
 N.C. Beach and Inlet Management Plan



ONLOW COUNTY

New River Inlet

PENDER COUNTY

★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

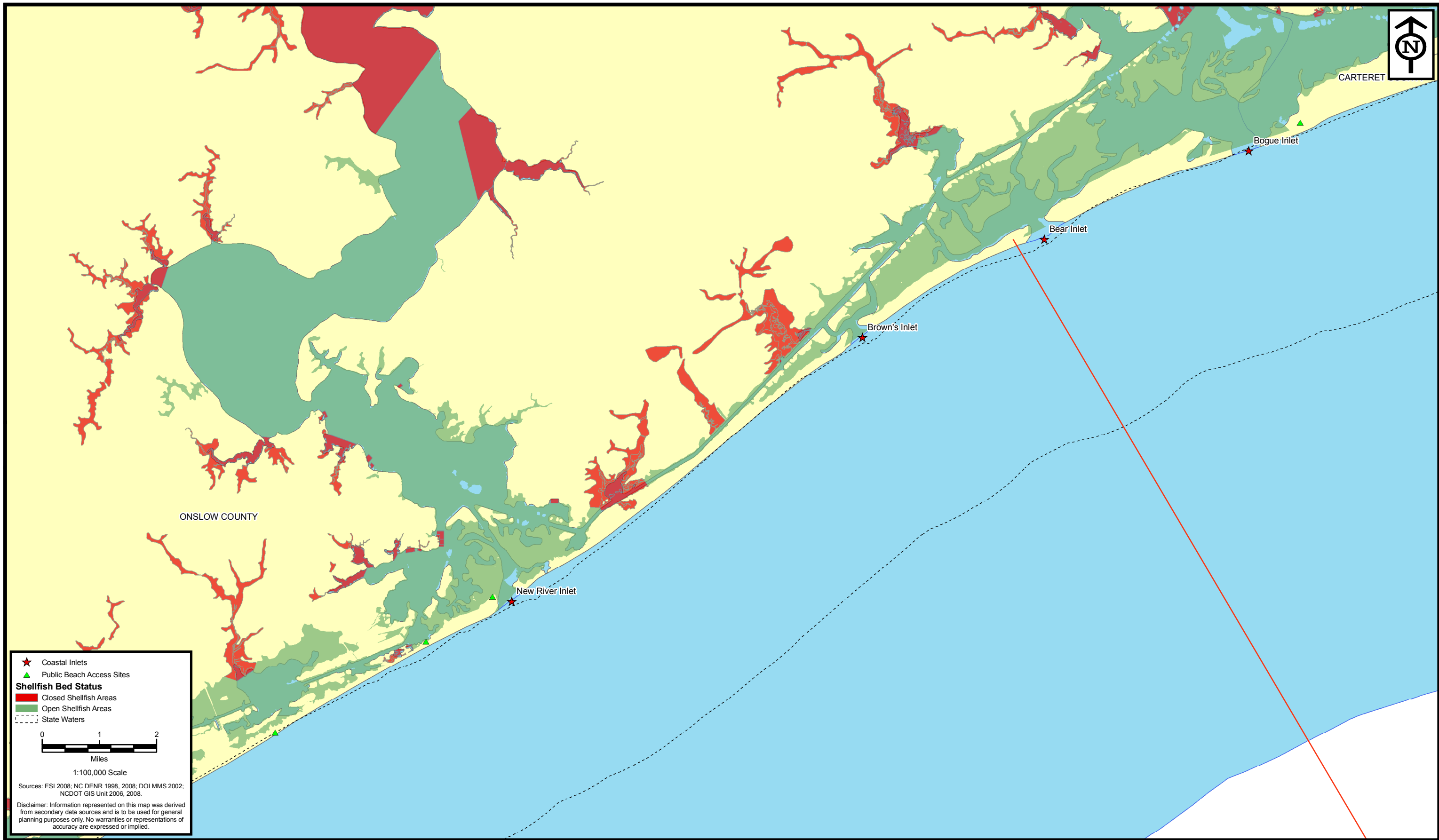
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 7  
 Region 2b

**BIMP**  
 N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites  
**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale  
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**North Carolina Beach and Inlet Management Plan**  
 Sheet 8  
 Region 2b

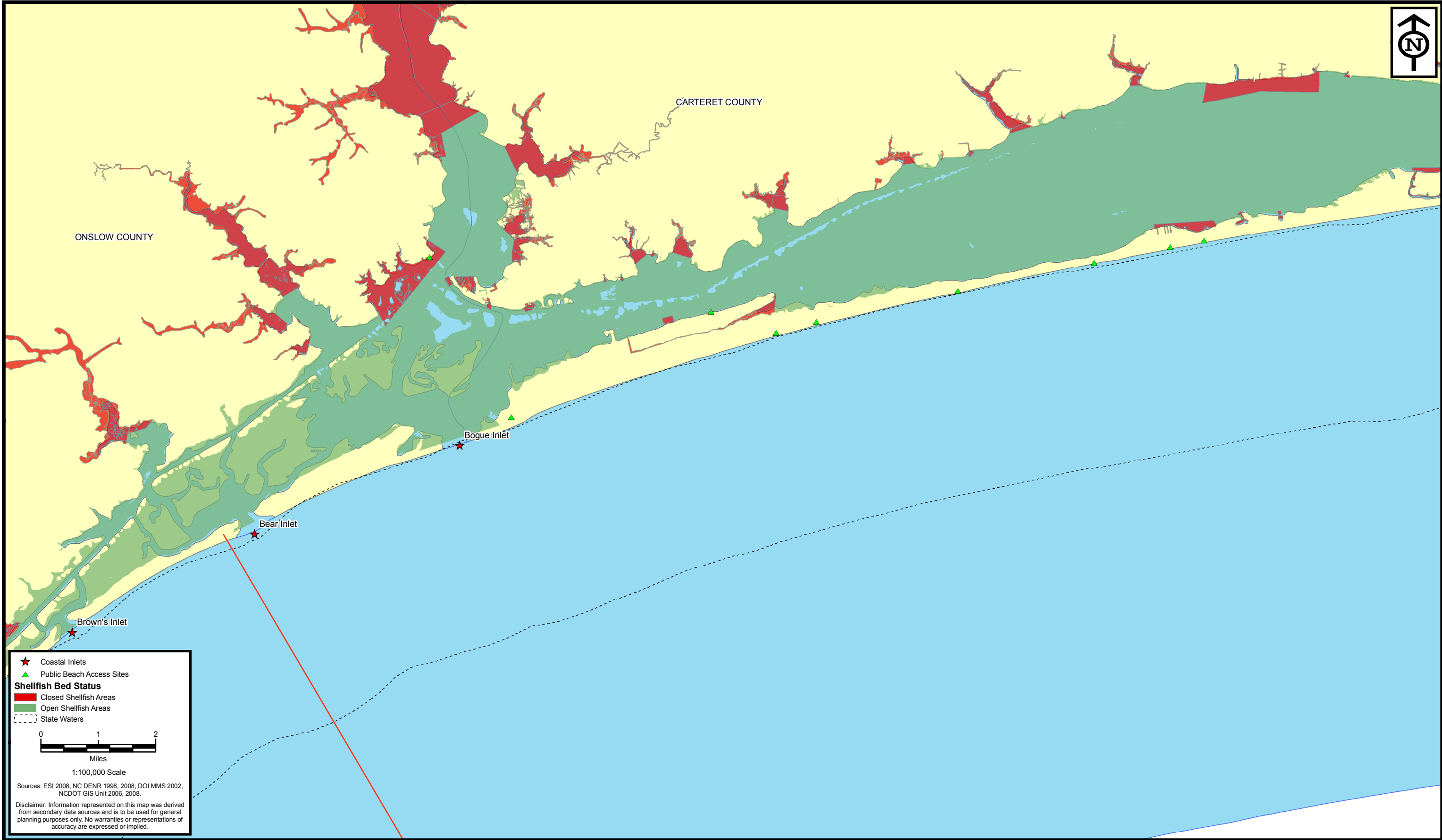
**BIMP**  
 N.C. Beach and Inlet Management Plan





CARTERET COUNTY

ONSLOW COUNTY



★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

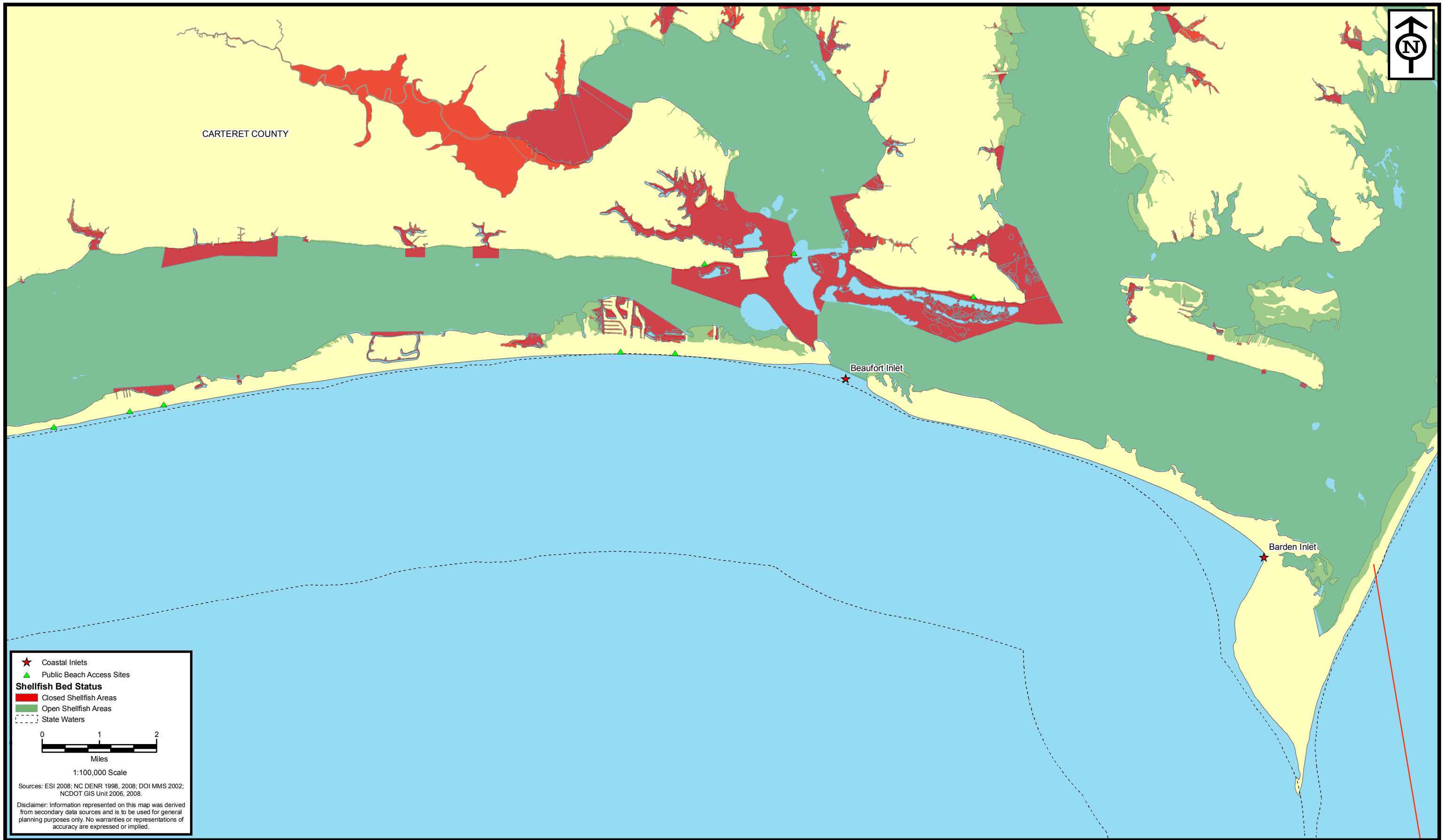
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 9  
 Region 2c

**BIMP**  
 N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites  
**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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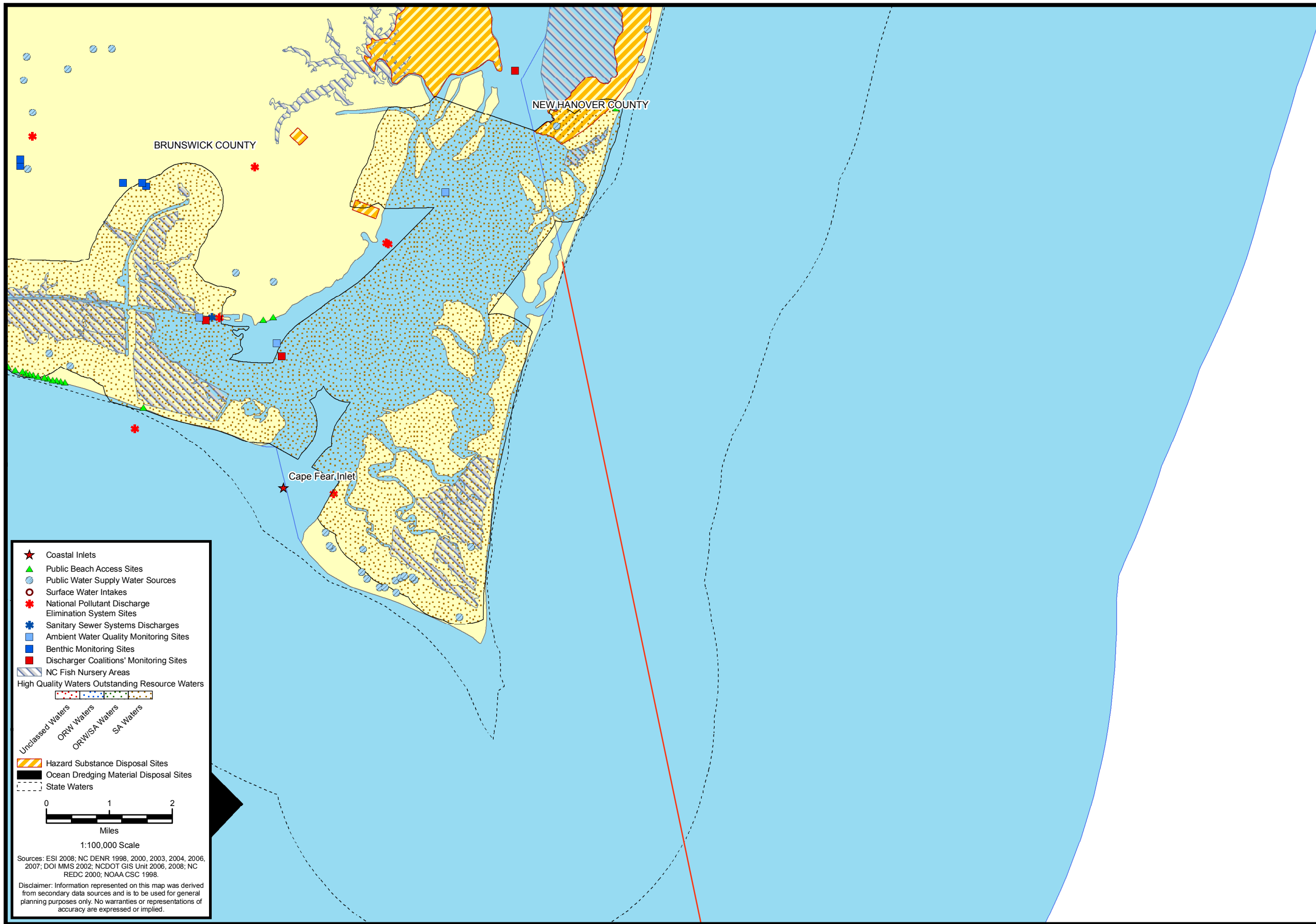
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 10  
 Region 2c

**BIMP**  
 N.C. Beach and Inlet Management Plan

Water Column  
And  
Soft Bottom



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas
- High Quality Waters Outstanding Resource Waters
- Unclassified Waters
- ORW Waters
- ORW/SA Waters
- SA Waters
- ▨ Hazard Substance Disposal Sites
- Ocean Dredging Material Disposal Sites
- State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

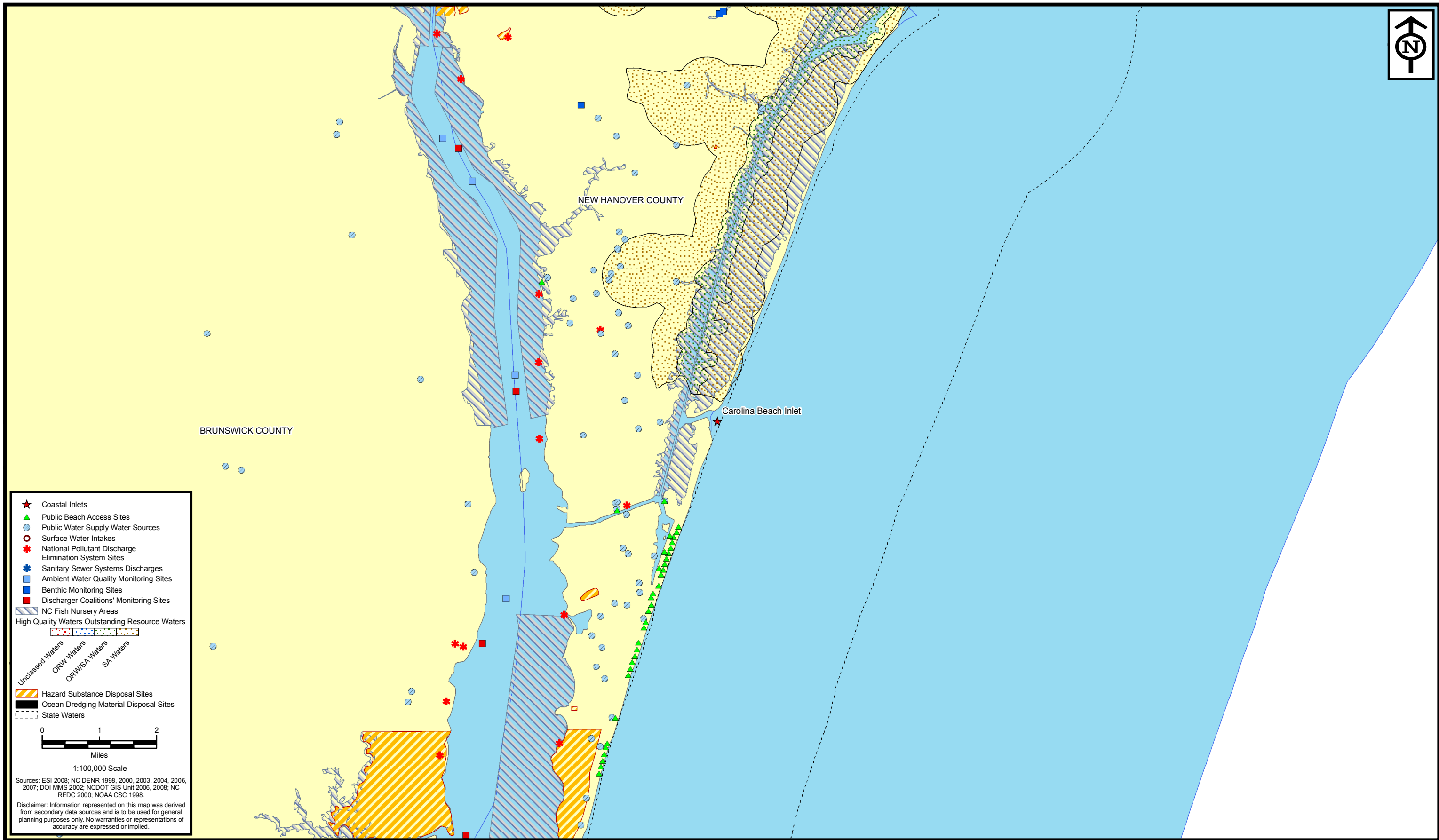
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 3  
Region 2a

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✱ National Pollutant Discharge Elimination System Sites
- ✱ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas
- High Quality Waters Outstanding Resource Waters
- ▨ Unclassified Waters
- ▨ ORW Waters
- ▨ ORW/SA Waters
- ▨ SA Waters
- ▨ Hazard Substance Disposal Sites
- ▨ Ocean Dredging Material Disposal Sites
- ▨ State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

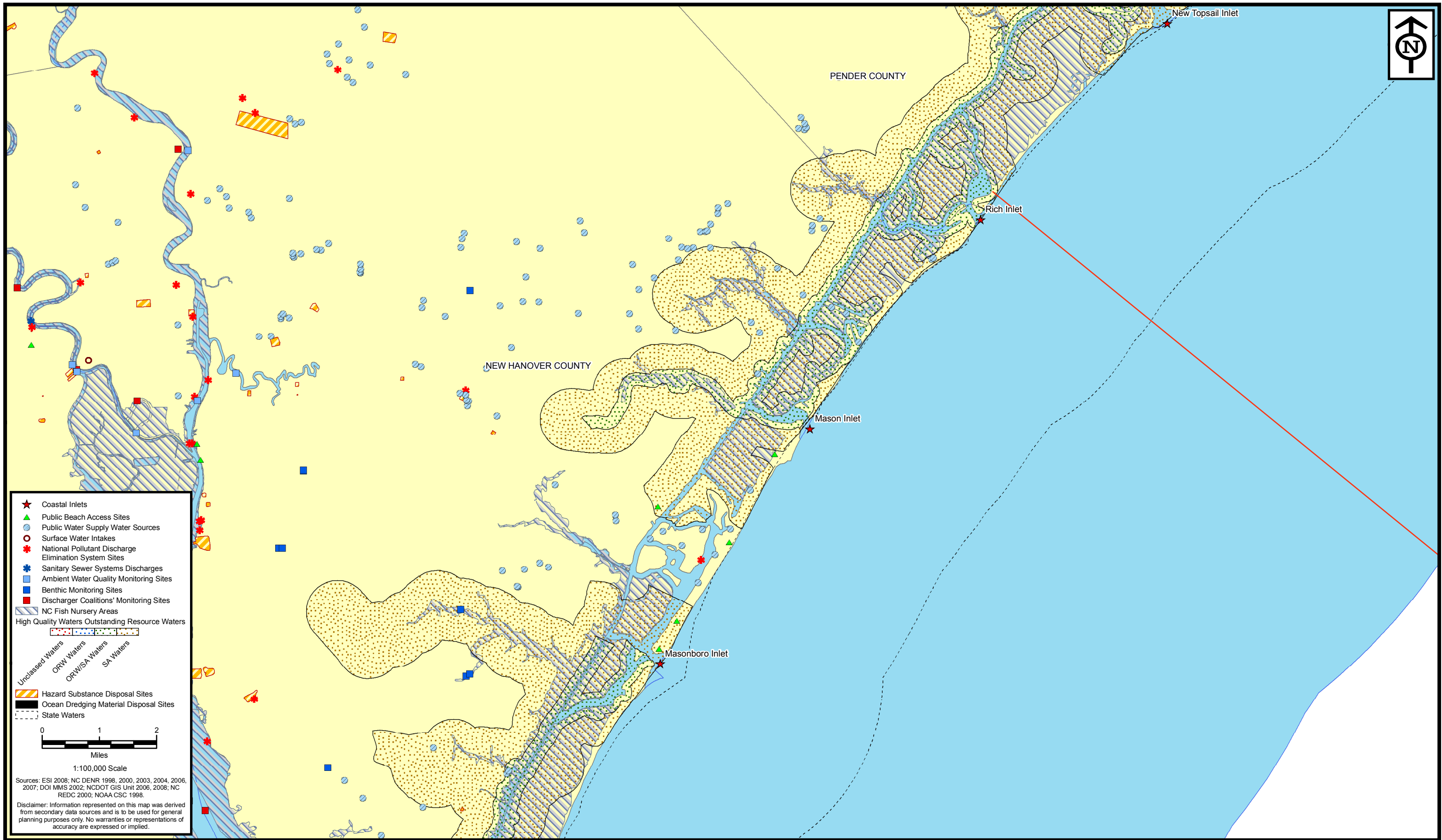
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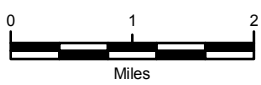
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 4  
Region 2a

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
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- Unclassified Waters
- ORW Waters
- ORW/SA Waters
- SA Waters
- ▨ Hazard Substance Disposal Sites
- Ocean Dredging Material Disposal Sites
- State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

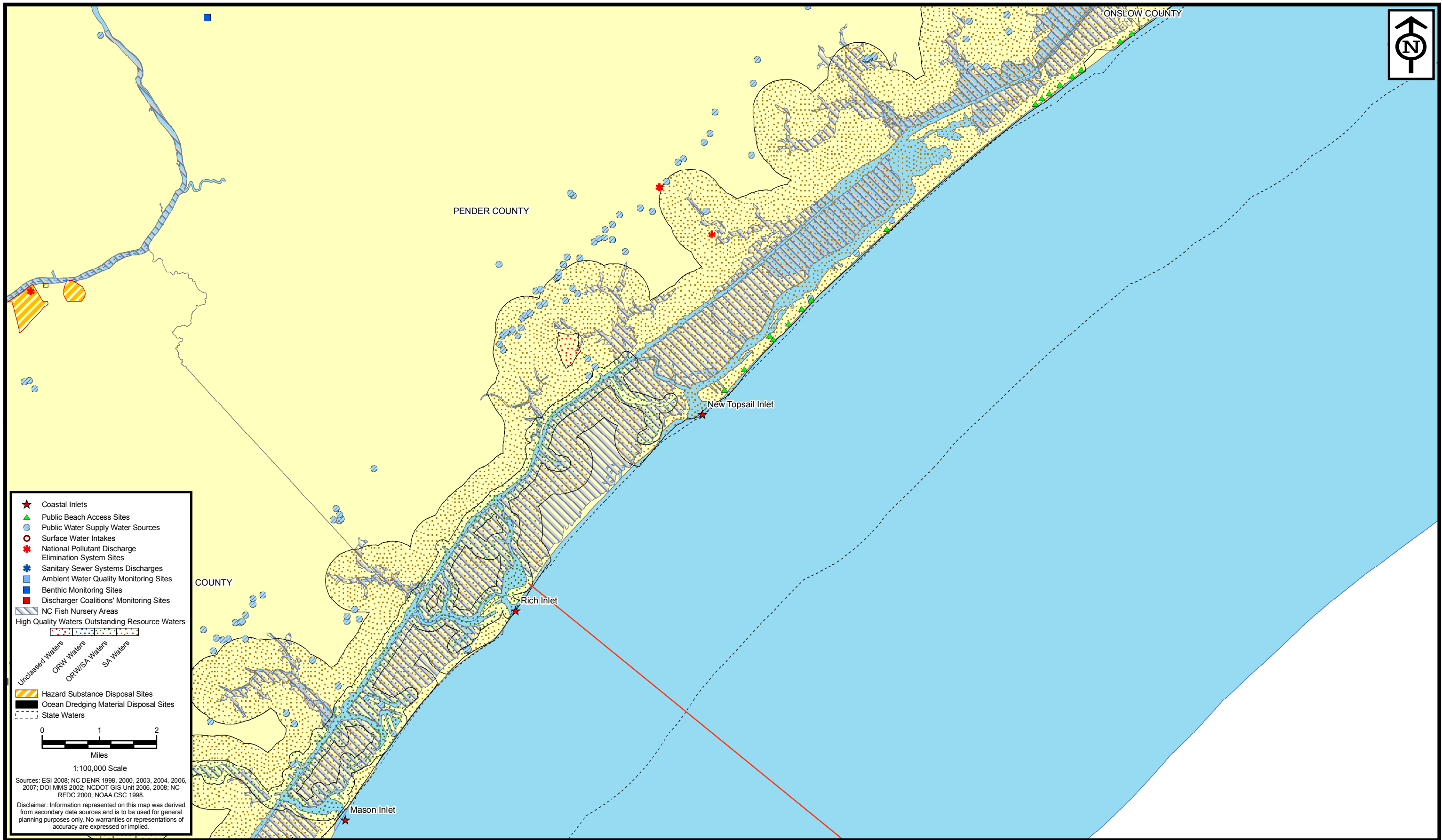
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 5  
 Region 2a

**BIMP**  
 N.C. Beach and Inlet Management Plan



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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 6  
Region 2b

**BIMP**  
N.C. Beach and Inlet Management Plan



ONSLOW COUNTY

PENDER COUNTY

New River Inlet

- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas
- High Quality Waters Outstanding Resource Waters
  - ▨ Unclassified Waters
  - ▨ ORW Waters
  - ▨ ORW/SA Waters
  - ▨ SA Waters
- ▨ Hazard Substance Disposal Sites
- ▨ Ocean Dredging Material Disposal Sites
- ▨ State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

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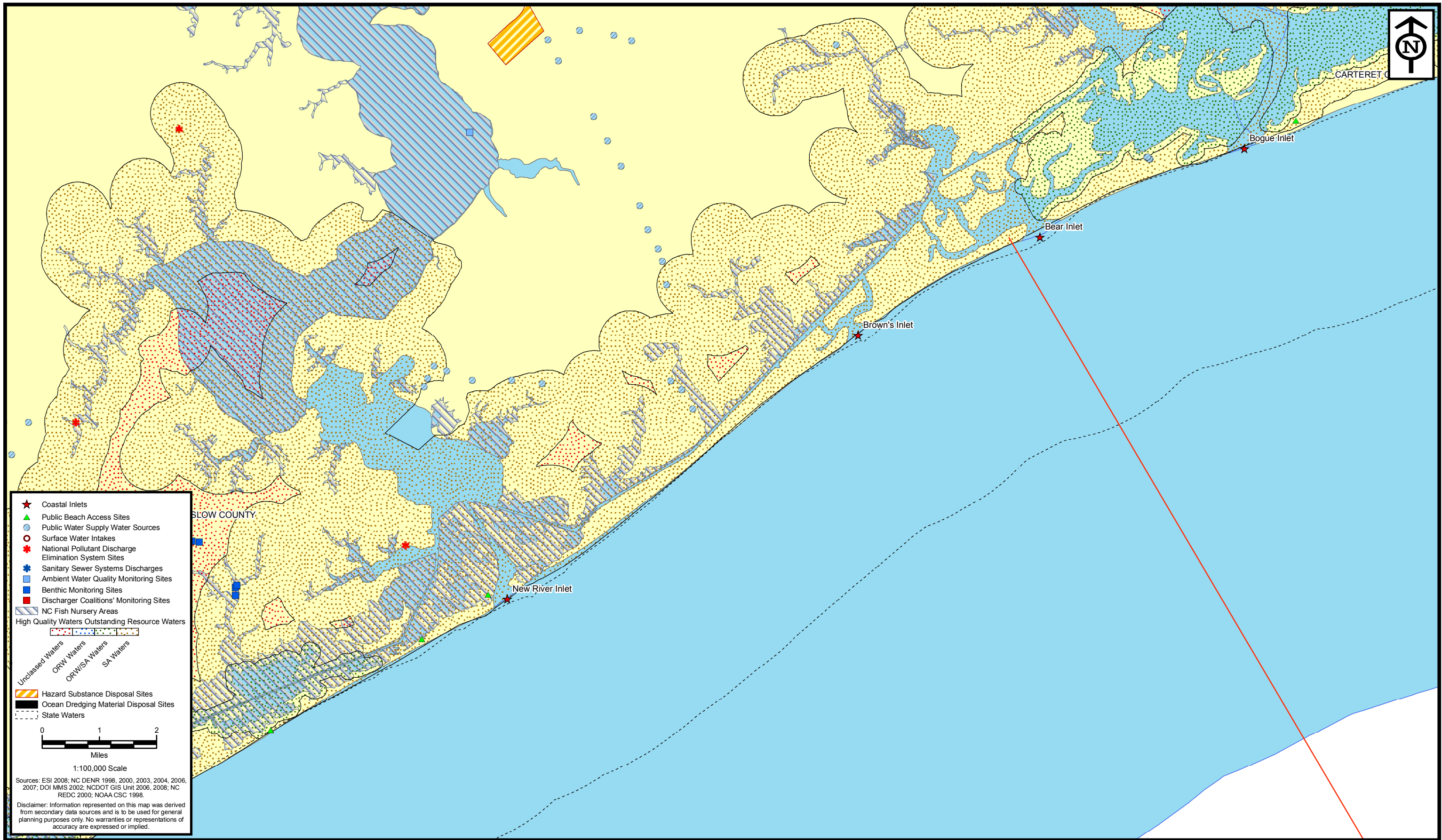
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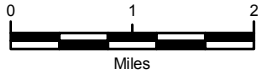
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**North Carolina Beach and Inlet Management Plan**  
Sheet 7  
Region 2b

**BIMP**  
N.C. Beach and Inlet Management Plan





- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - Public Water Supply Water Sources
  - Surface Water Intakes
  - ✳ National Pollutant Discharge Elimination System Sites
  - ✳ Sanitary Sewer Systems Discharges
  - Ambient Water Quality Monitoring Sites
  - Benthic Monitoring Sites
  - Discharger Coalitions' Monitoring Sites
  - ▨ NC Fish Nursery Areas
- High Quality Waters Outstanding Resource Waters
- Unclassified Waters
  - ORW Waters
  - ORW/SA Waters
  - SA Waters
- ▨ Hazard Substance Disposal Sites
  - ▨ Ocean Dredging Material Disposal Sites
  - State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

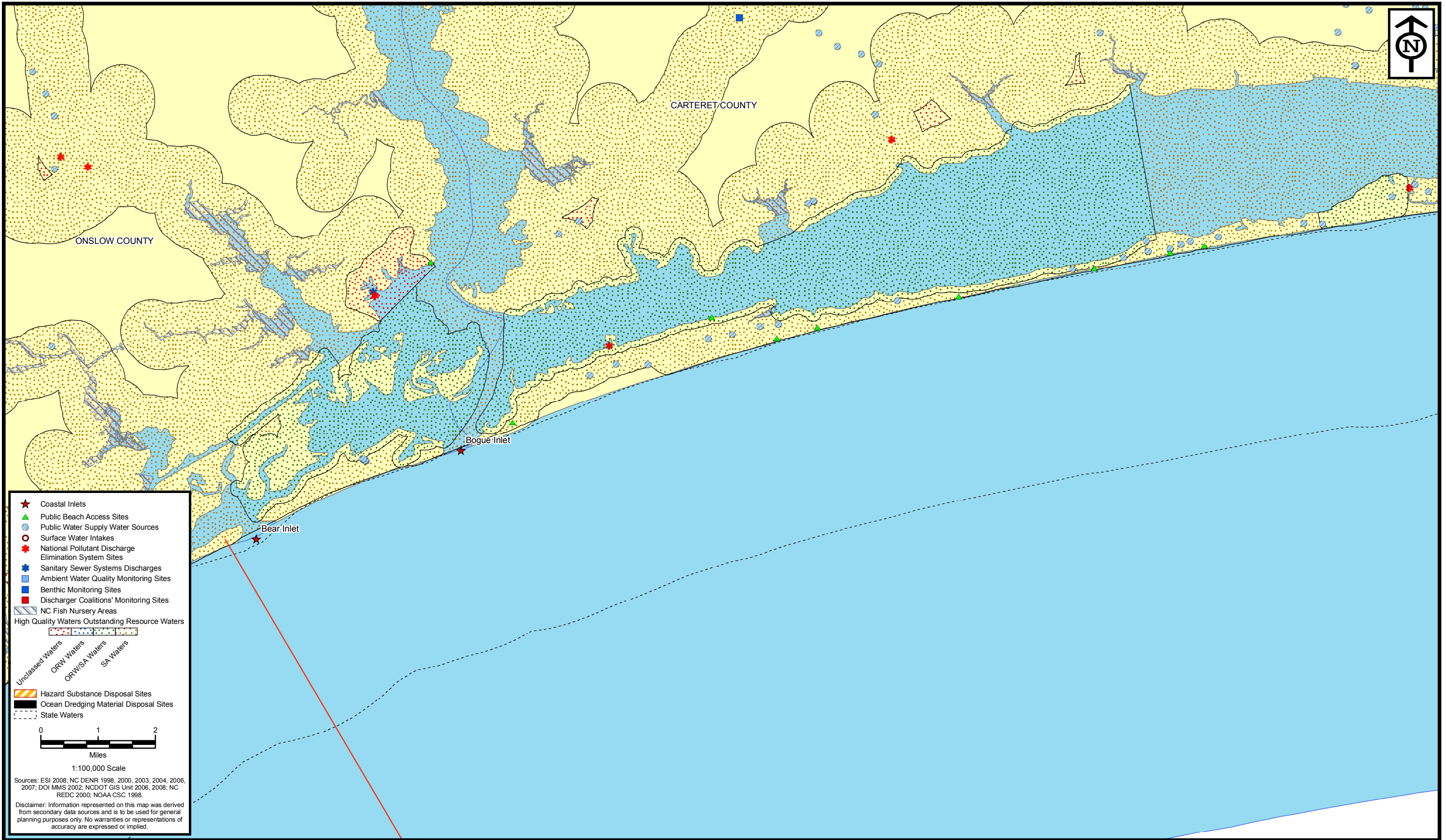
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 8  
 Region 2b

**BIMP**  
 N.C. Beach and Inlet Management Plan

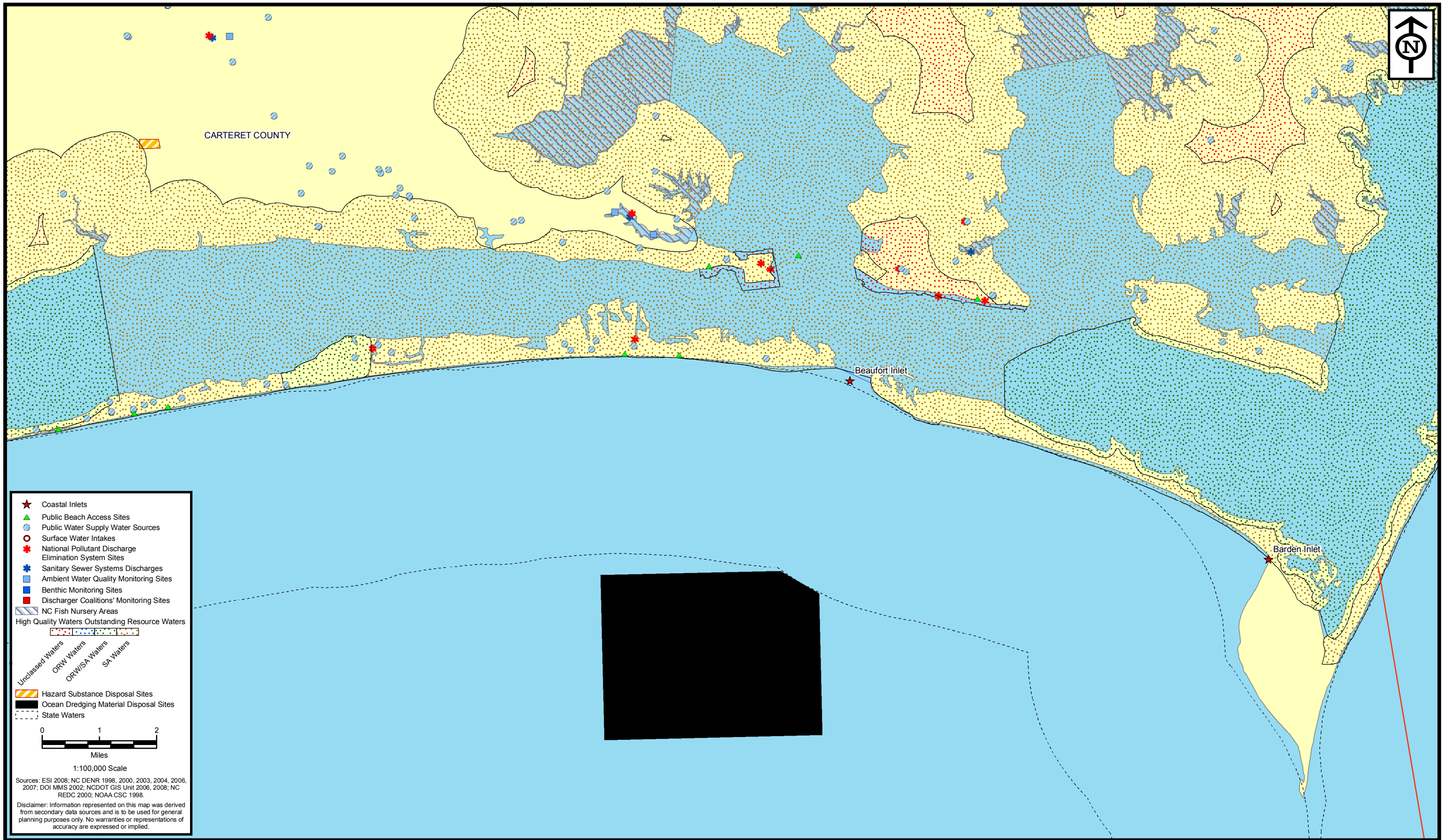


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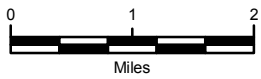
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 9  
Region 2c

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas
- ▨ High Quality Waters Outstanding Resource Waters
- ▨ Unclassified Waters
- ▨ ORW Waters
- ▨ ORW/SA Waters
- ▨ SA Waters
- ▨ Hazard Substance Disposal Sites
- ▨ Ocean Dredging Material Disposal Sites
- ▨ State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

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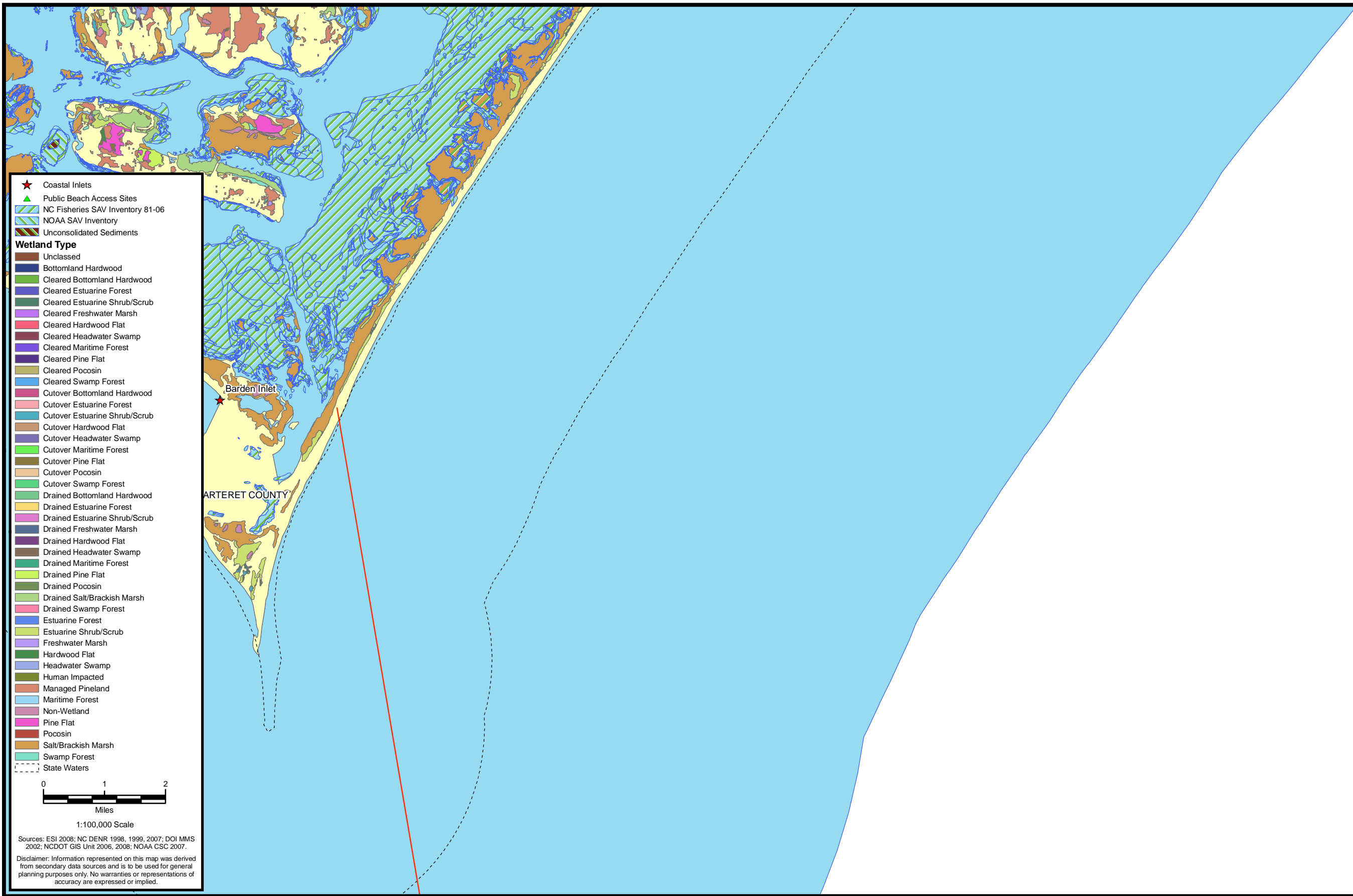
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**North Carolina Beach and Inlet Management Plan**  
Sheet 10  
Region 2c

**BIMP**  
N.C. Beach and Inlet Management Plan

Region 3

Environmental Mapping

Coastal Wetlands  
And  
SAV



- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
- Wetland Type**
- Unclassed
  - Bottomland Hardwood
  - Cleared Bottomland Hardwood
  - Cleared Estuarine Forest
  - Cleared Estuarine Shrub/Scrub
  - Cleared Freshwater Marsh
  - Cleared Hardwood Flat
  - Cleared Headwater Swamp
  - Cleared Maritime Forest
  - Cleared Pine Flat
  - Cleared Pocosin
  - Cleared Swamp Forest
  - Cutover Bottomland Hardwood
  - Cutover Estuarine Forest
  - Cutover Estuarine Shrub/Scrub
  - Cutover Hardwood Flat
  - Cutover Headwater Swamp
  - Cutover Maritime Forest
  - Cutover Pine Flat
  - Cutover Pocosin
  - Cutover Swamp Forest
  - Drained Bottomland Hardwood
  - Drained Estuarine Forest
  - Drained Estuarine Shrub/Scrub
  - Drained Freshwater Marsh
  - Drained Hardwood Flat
  - Drained Headwater Swamp
  - Drained Maritime Forest
  - Drained Pine Flat
  - Drained Pocosin
  - Drained Salt/Brackish Marsh
  - Drained Swamp Forest
  - Estuarine Forest
  - Estuarine Shrub/Scrub
  - Freshwater Marsh
  - Hardwood Flat
  - Headwater Swamp
  - Human Impacted
  - Managed Pineland
  - Maritime Forest
  - Non-Wetland
  - Pine Flat
  - Pocosin
  - Salt/Brackish Marsh
  - Swamp Forest
  - State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 1999, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 2007.

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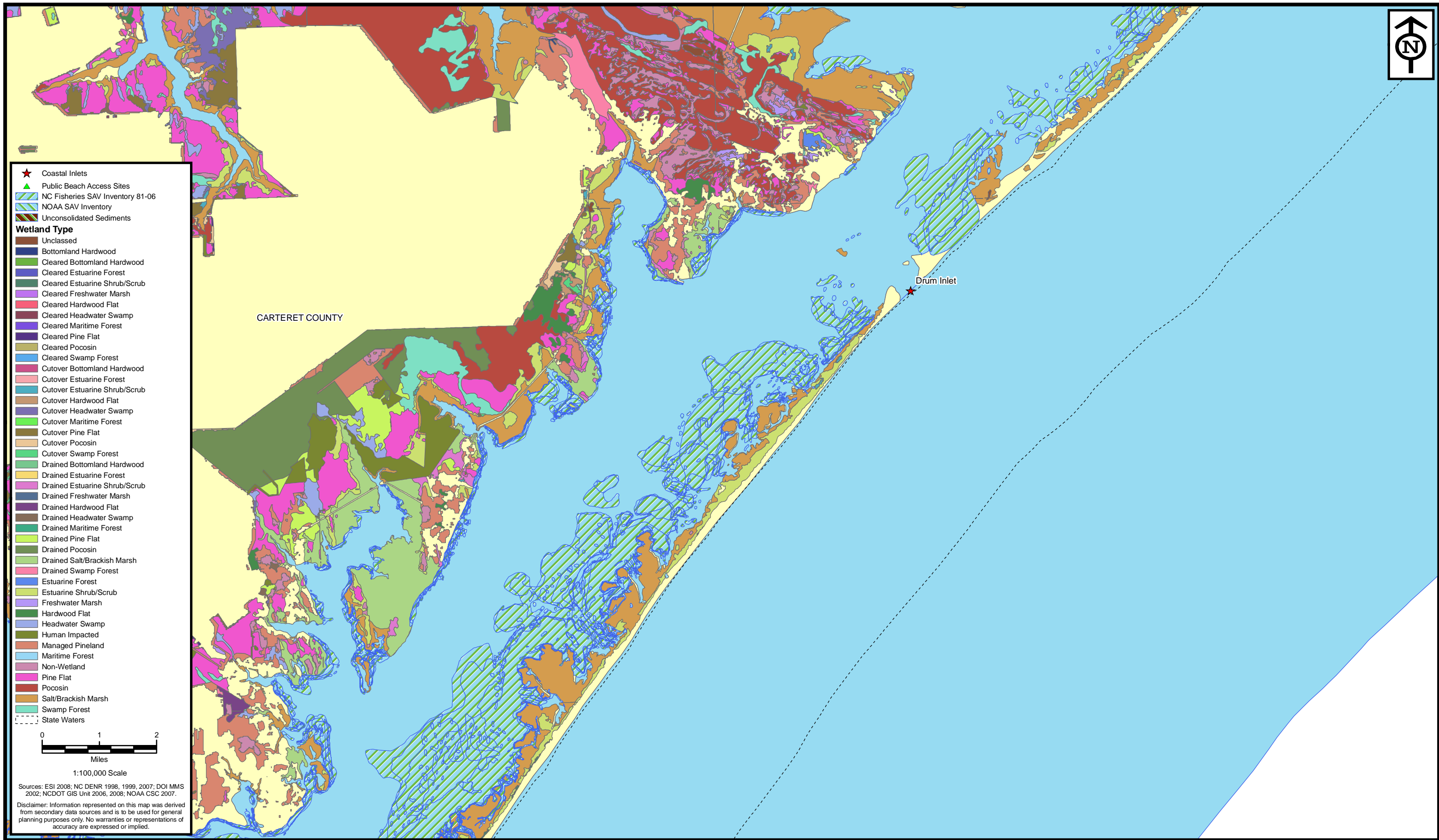


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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 11  
Region 3a



**BIMP**  
N.C. Beach and Inlet Management Plan

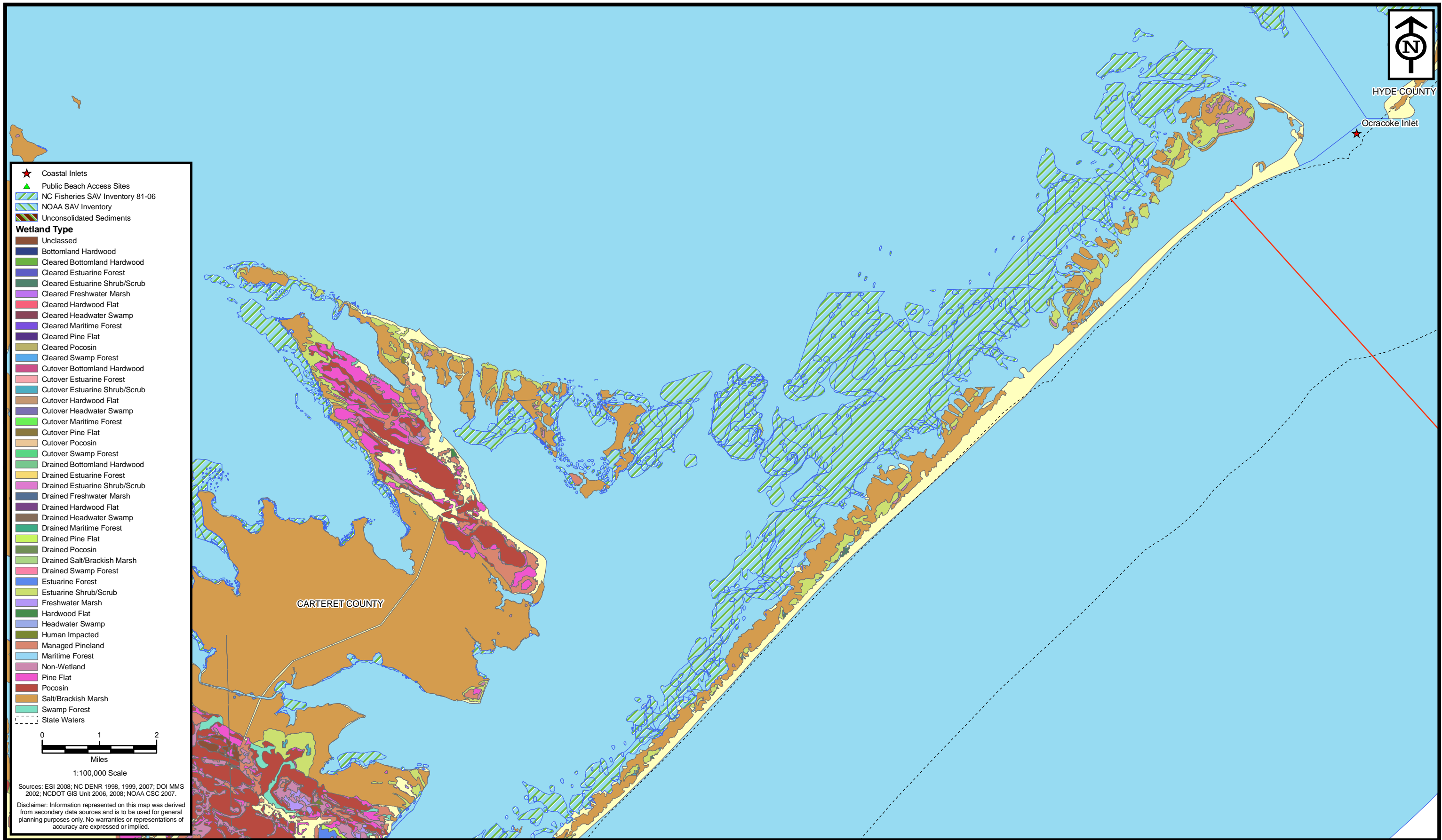


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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
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Region 3a

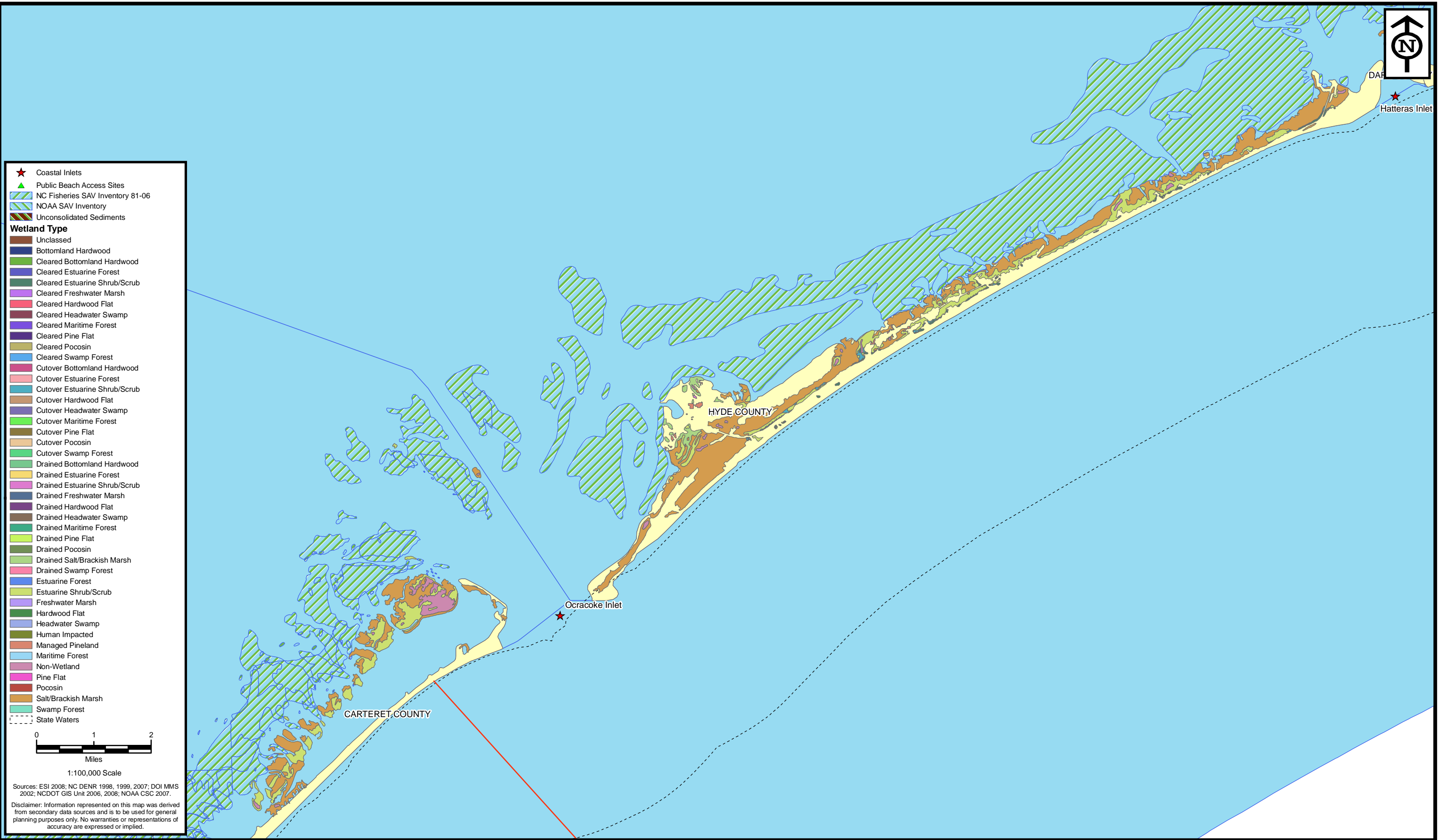




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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 14  
Region 3b

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N.C. Beach and Inlet Management Plan



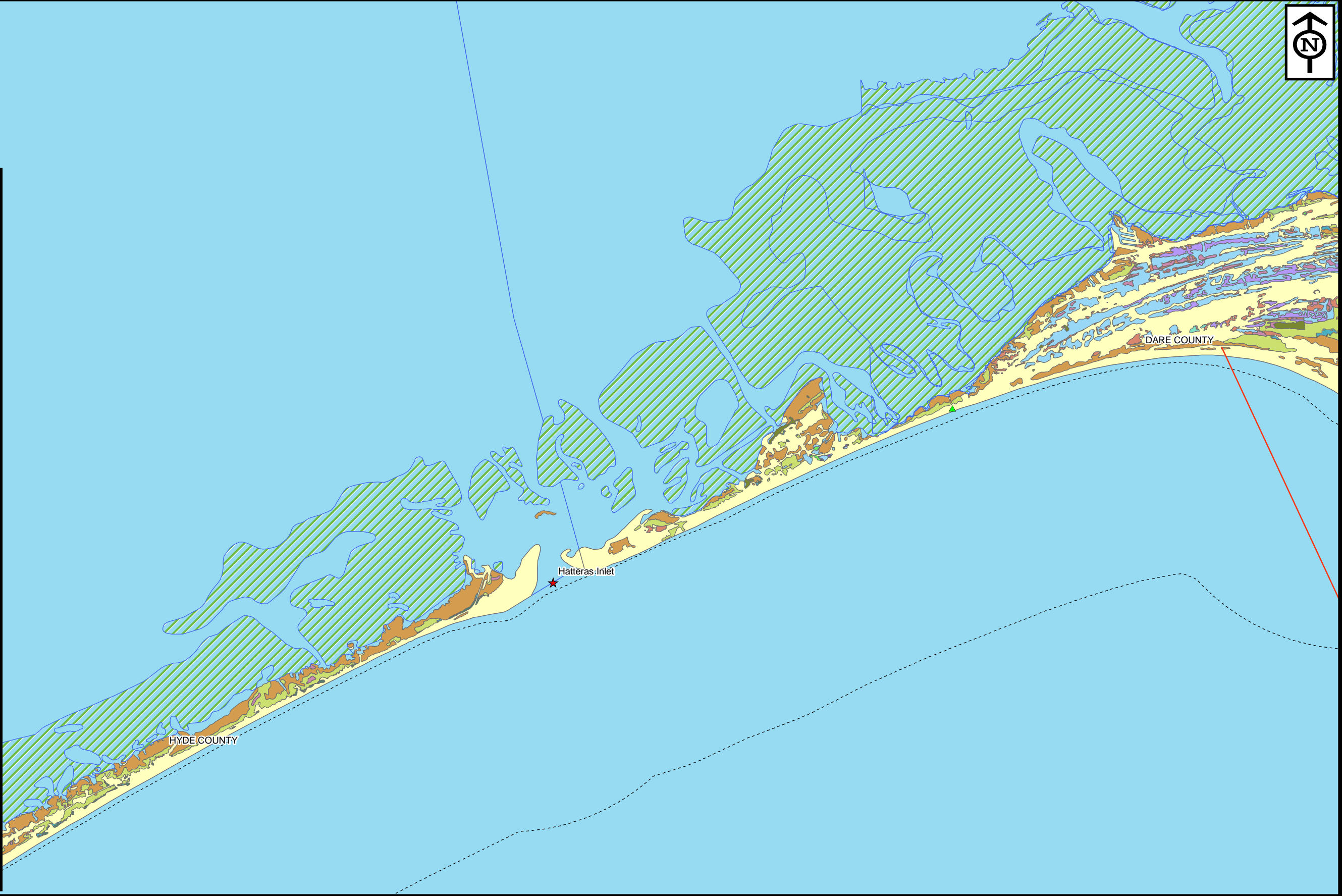
- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
- Wetland Type**
- Unclassed
  - Bottomland Hardwood
  - Cleared Bottomland Hardwood
  - Cleared Estuarine Forest
  - Cleared Estuarine Shrub/Scrub
  - Cleared Freshwater Marsh
  - Cleared Hardwood Flat
  - Cleared Headwater Swamp
  - Cleared Maritime Forest
  - Cleared Pine Flat
  - Cleared Pocosin
  - Cleared Swamp Forest
  - Cutover Bottomland Hardwood
  - Cutover Estuarine Forest
  - Cutover Estuarine Shrub/Scrub
  - Cutover Hardwood Flat
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  - Managed Pineland
  - Maritime Forest
  - Non-Wetland
  - Pine Flat
  - Pocosin
  - Salt/Brackish Marsh
  - Swamp Forest
  - State Waters



1:100,000 Scale

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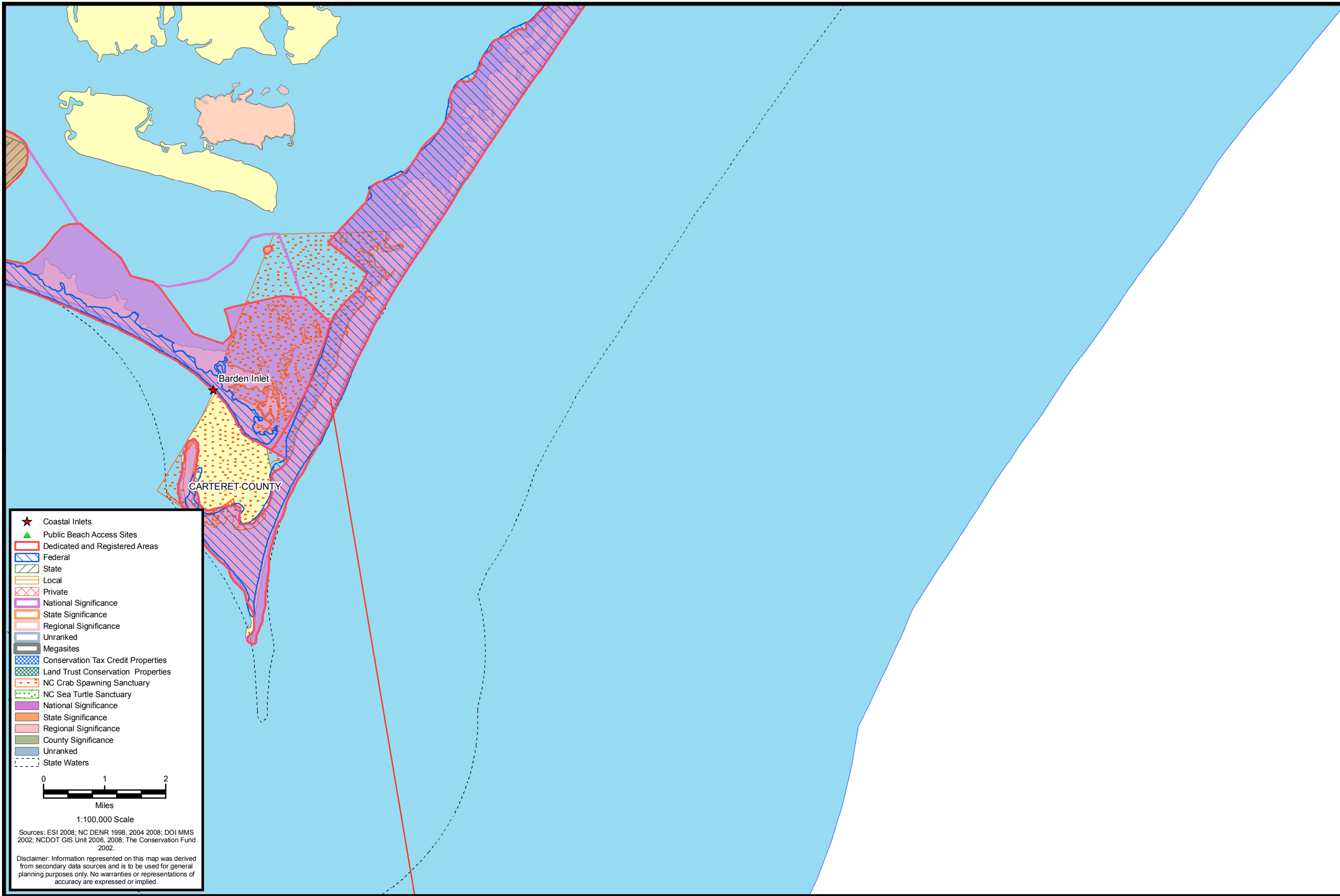
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**North Carolina Beach and Inlet Management Plan**  
Sheet 15  
Region 3b

**BIMP**  
N.C. Beach and Inlet Management Plan

# Critical Wildlife Habitats



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▨ Federal
- ▨ State
- ▨ Local
- ▨ Private
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ Unranked
- ▨ Megsites
- ▨ Conservation Tax Credit Properties
- ▨ Land Trust Conservation Properties
- ▨ NC Crab Spawning Sanctuary
- ▨ NC Sea Turtle Sanctuary
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ County Significance
- ▨ Unranked
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

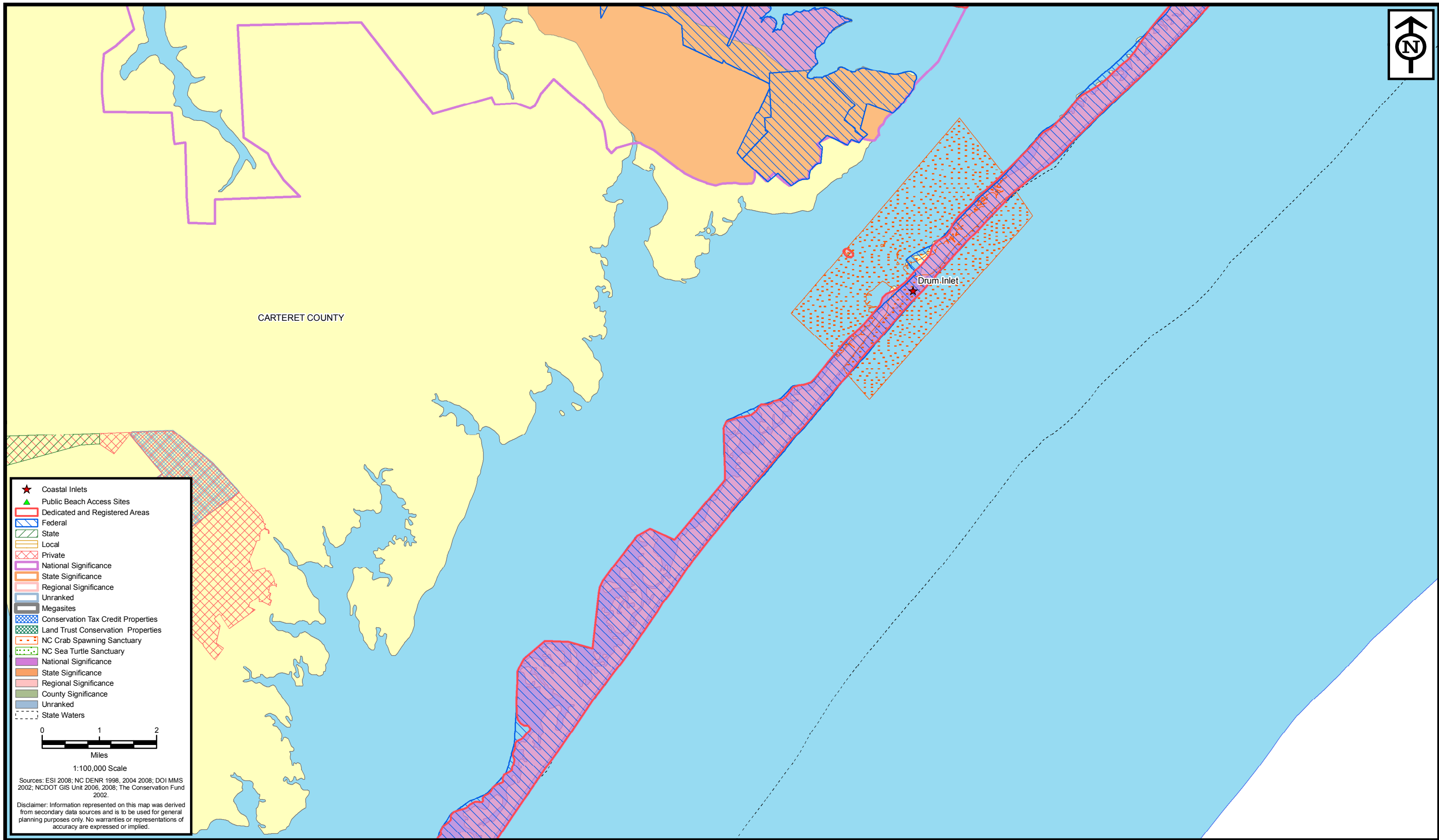
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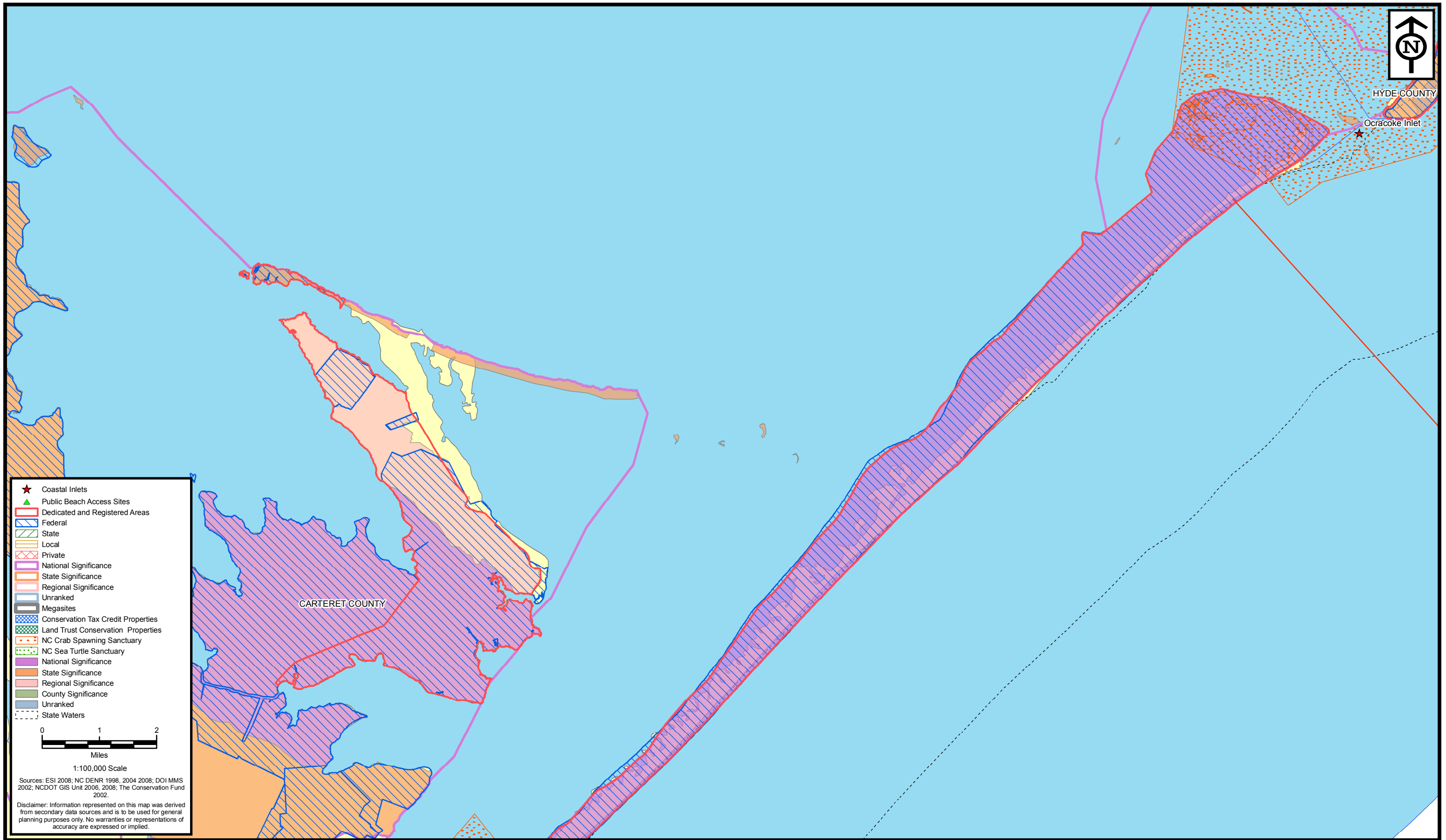
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Region 3a

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N.C. Beach and Inlet Management Plan

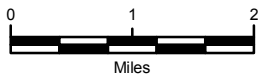


Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
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 Region 3a





- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▭ Federal
- ▭ State
- ▭ Local
- ▭ Private
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ Unranked
- ▭ Megasites
- ▭ Conservation Tax Credit Properties
- ▭ Land Trust Conservation Properties
- ▭ NC Crab Spawning Sanctuary
- ▭ NC Sea Turtle Sanctuary
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ County Significance
- ▭ Unranked
- ▭ State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

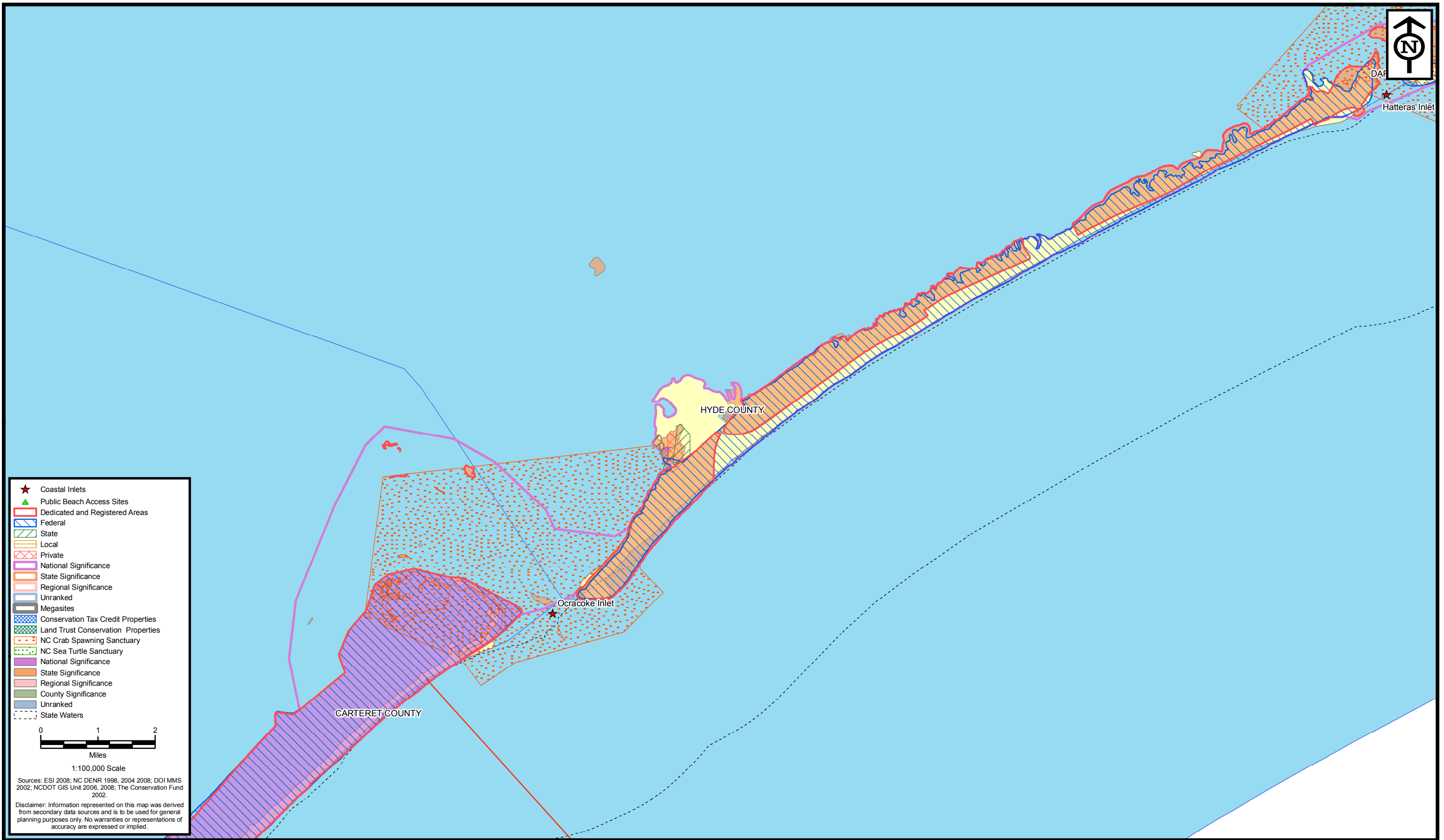
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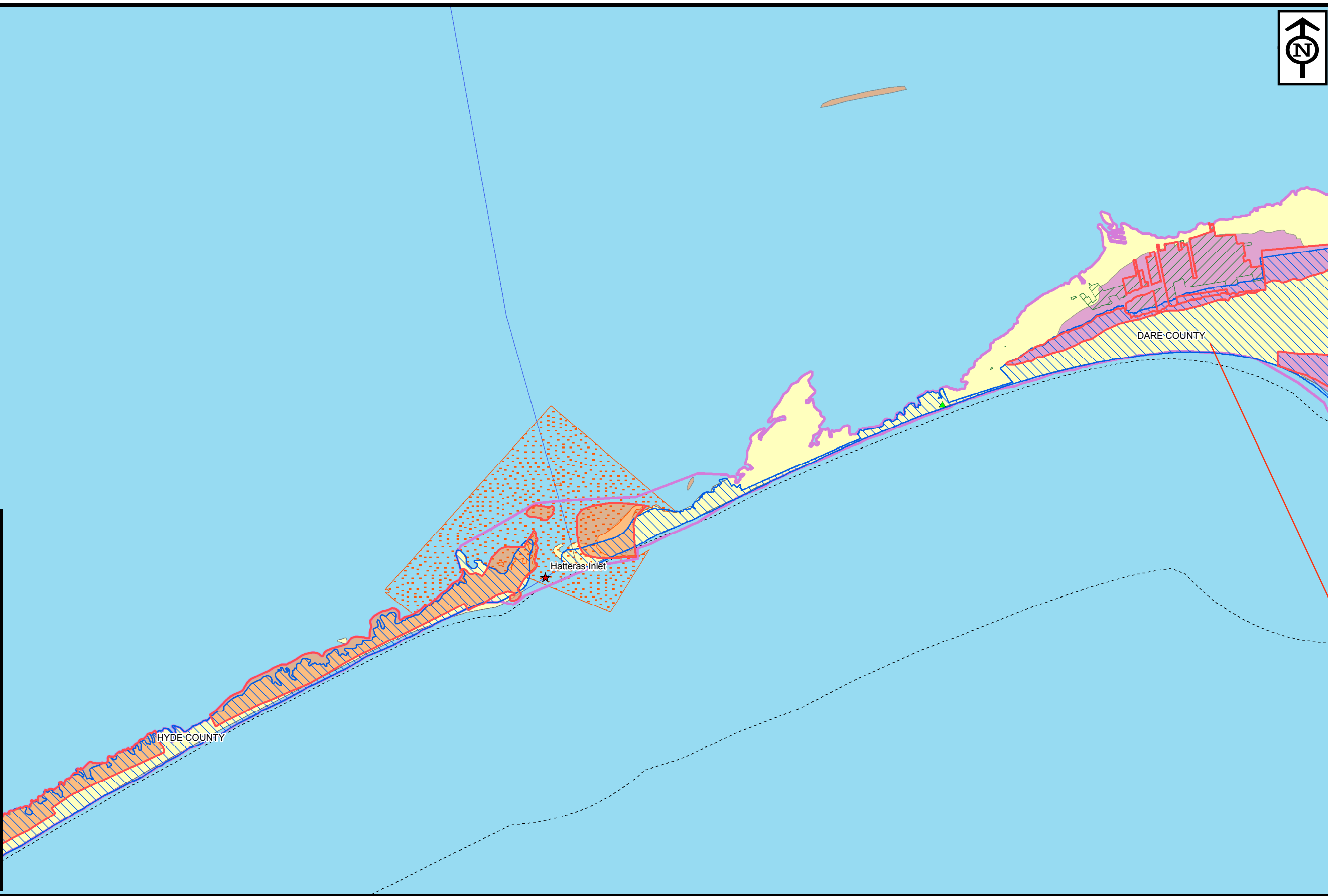
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- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▭ Federal
- ▭ State
- ▭ Local
- ▭ Private
- ▭ National Significance
- ▭ State Significance
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- ▭ NC Sea Turtle Sanctuary
- ▭ National Significance
- ▭ State Significance
- ▭ Regional Significance
- ▭ County Significance
- ▭ Unranked
- - - State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

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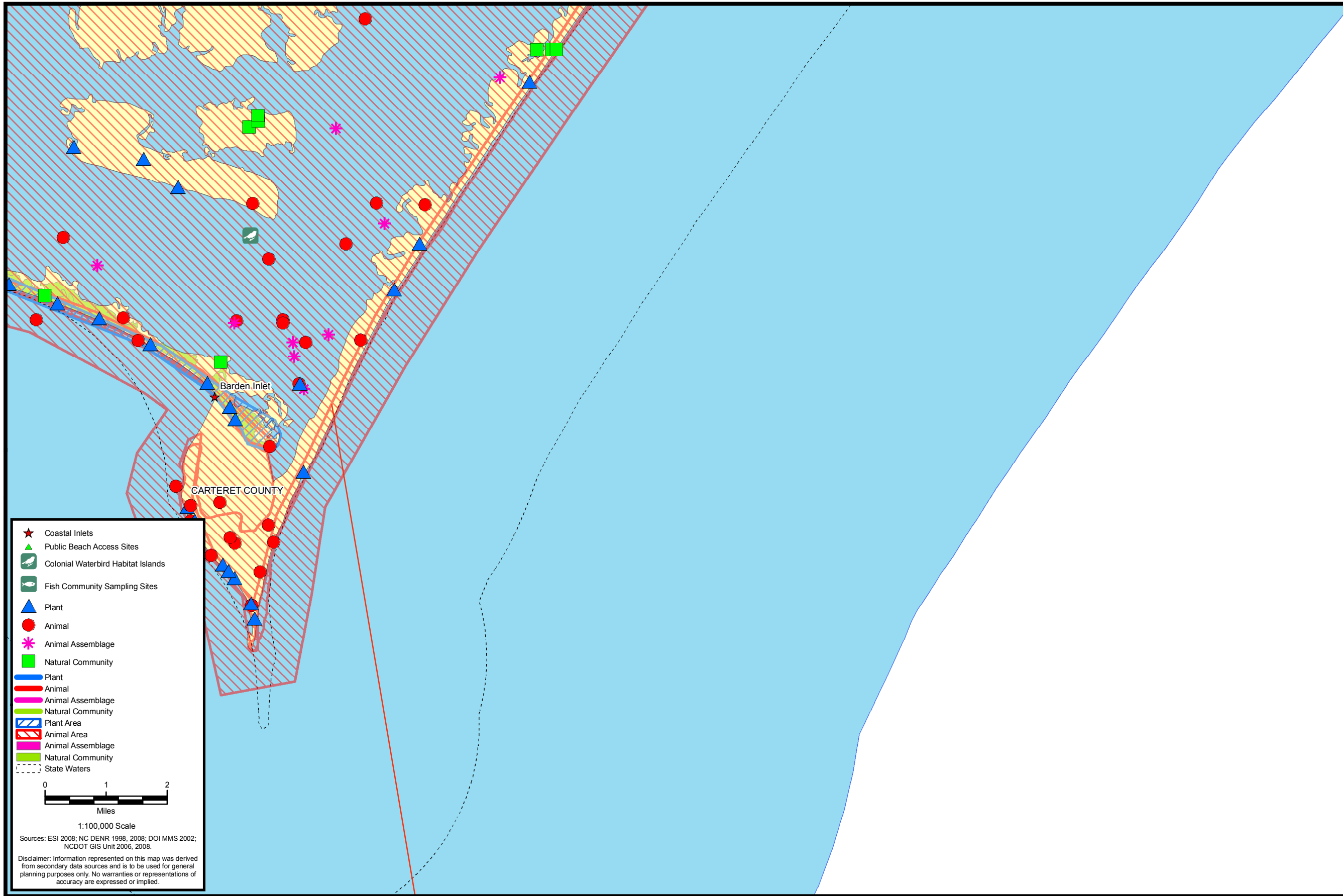
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**North Carolina Beach and Inlet Management Plan**  
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Region 3b

**BIMP**  
N.C. Beach and Inlet Management Plan



# Protected Species



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🦢 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- \* Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

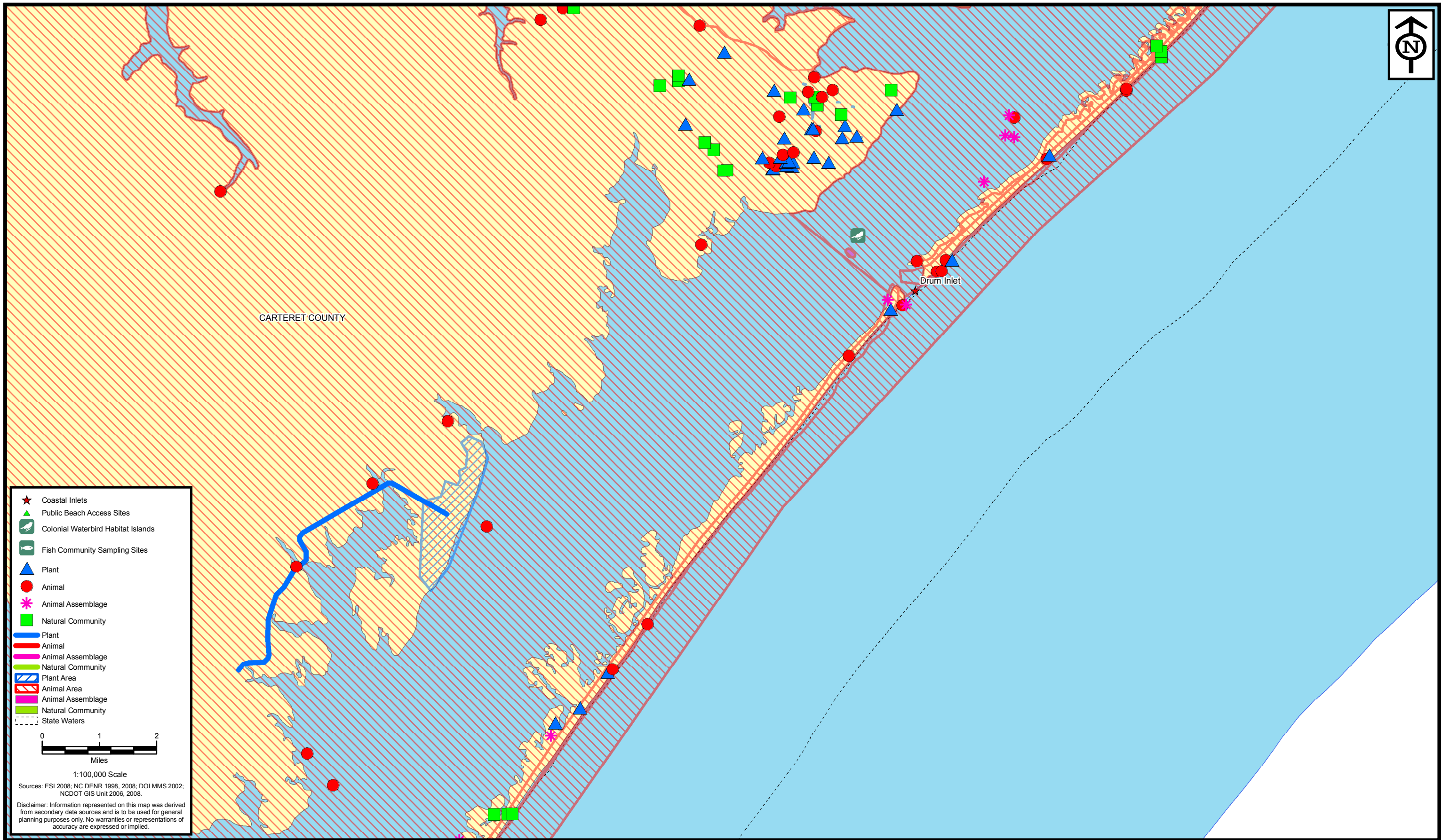
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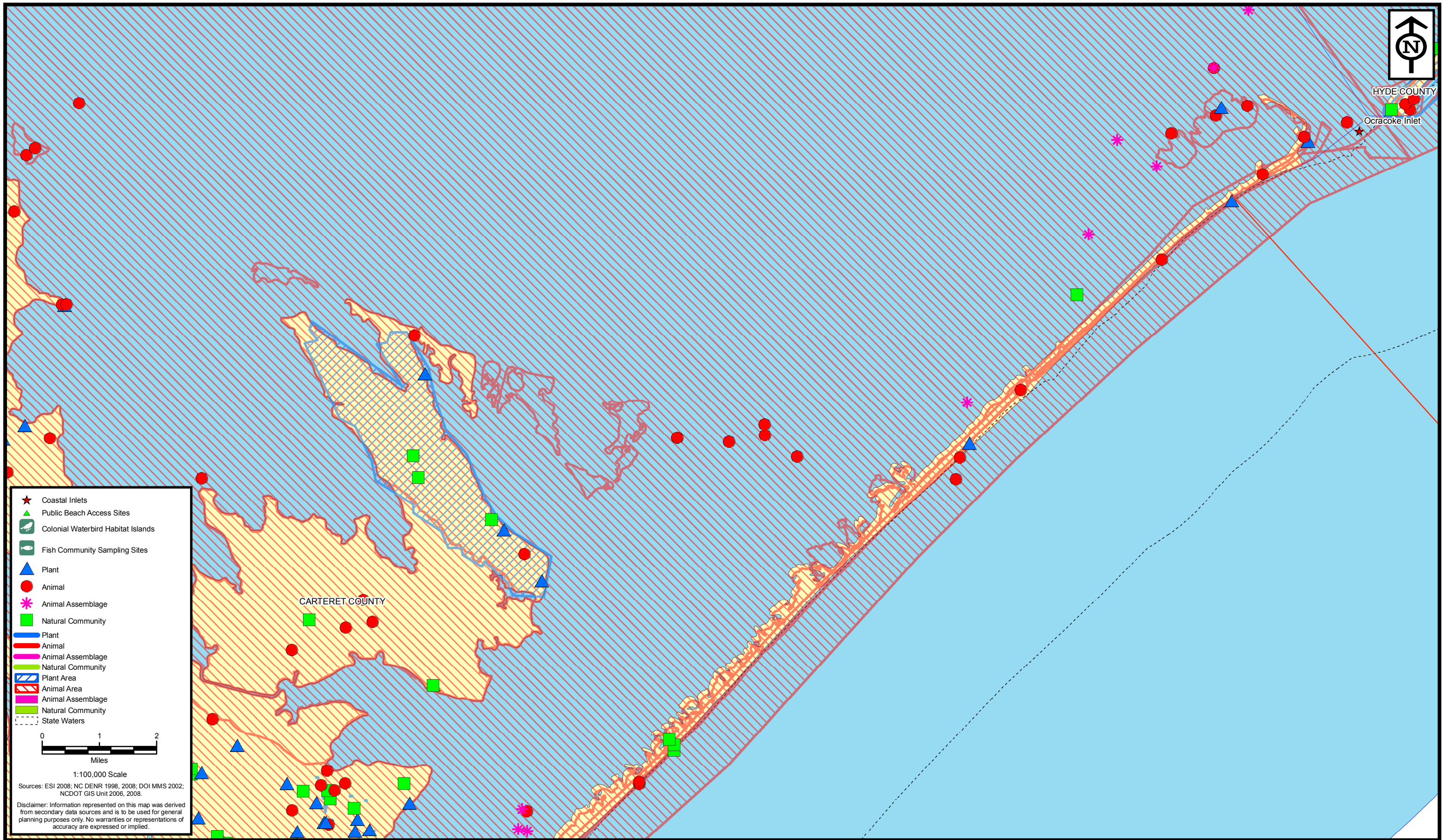
Protected Species  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 11  
 Region 3a

**BIMP**  
 N.C. Beach and Inlet Management Plan



Protected Species  
**North Carolina Beach and Inlet Management Plan**  
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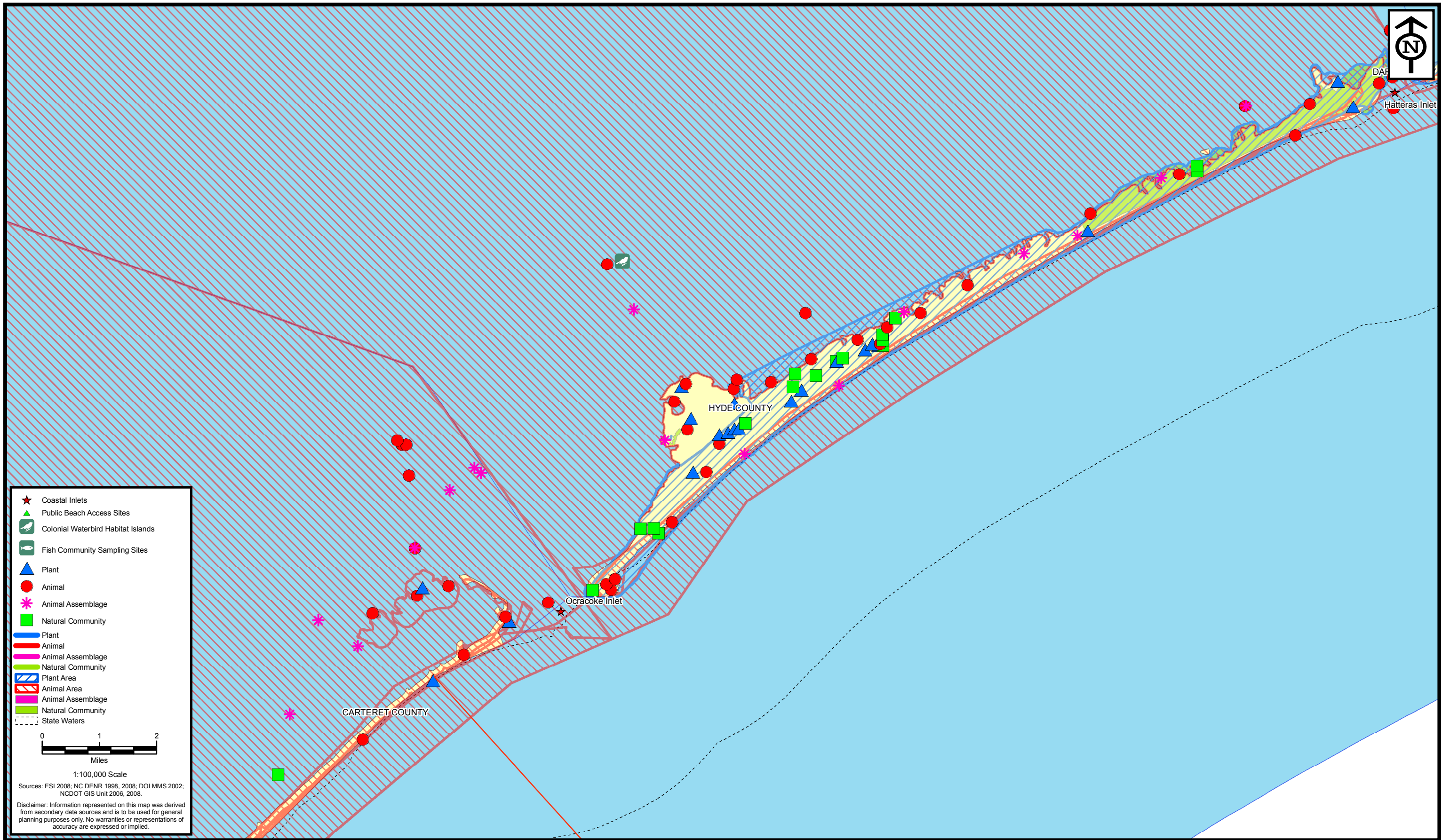


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- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🦉 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳ Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

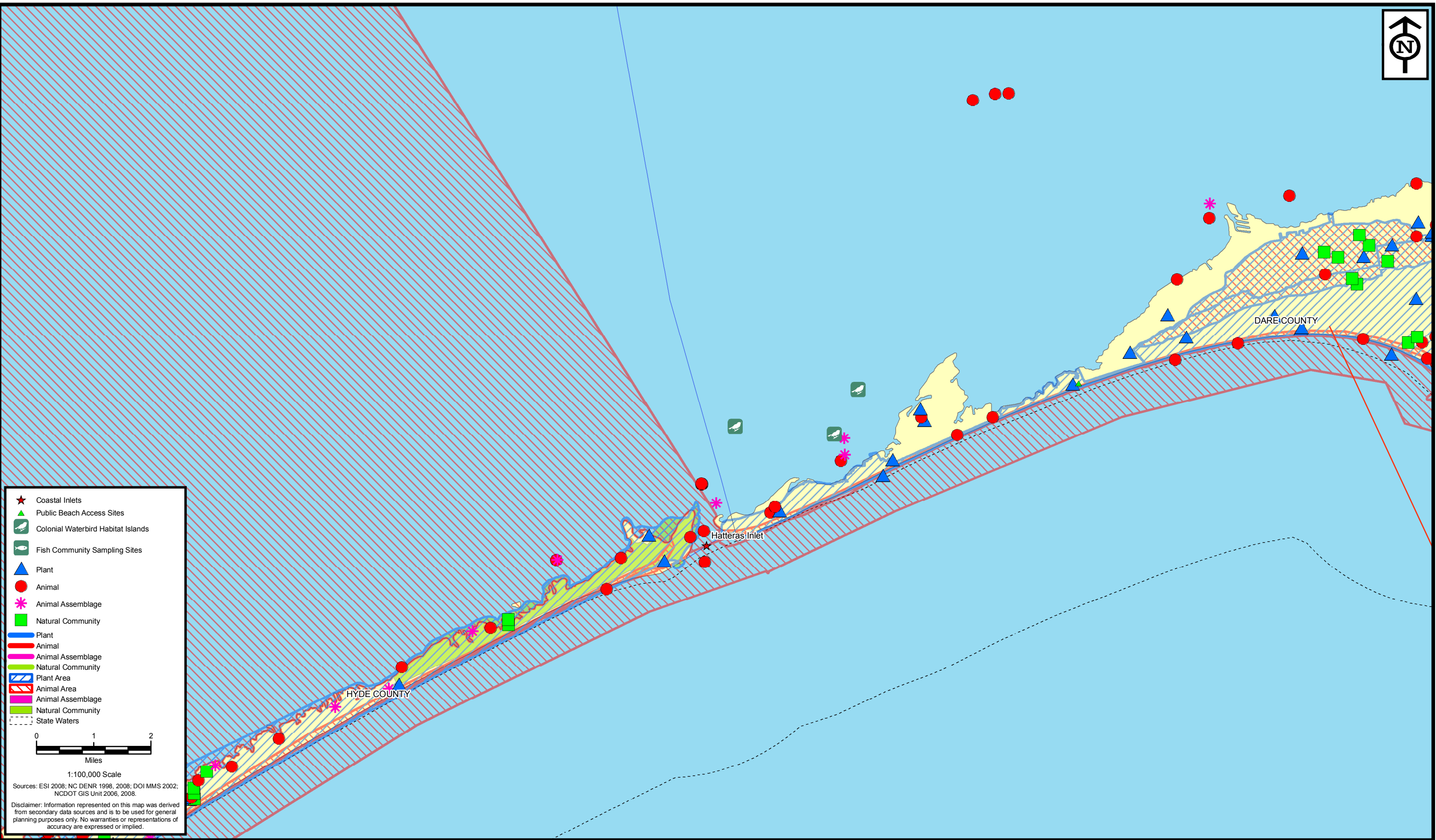
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**North Carolina Beach and Inlet Management Plan**  
 Sheet 14  
 Region 3b

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🐦 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳ Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters

0 1 2  
Miles

1:100,000 Scale

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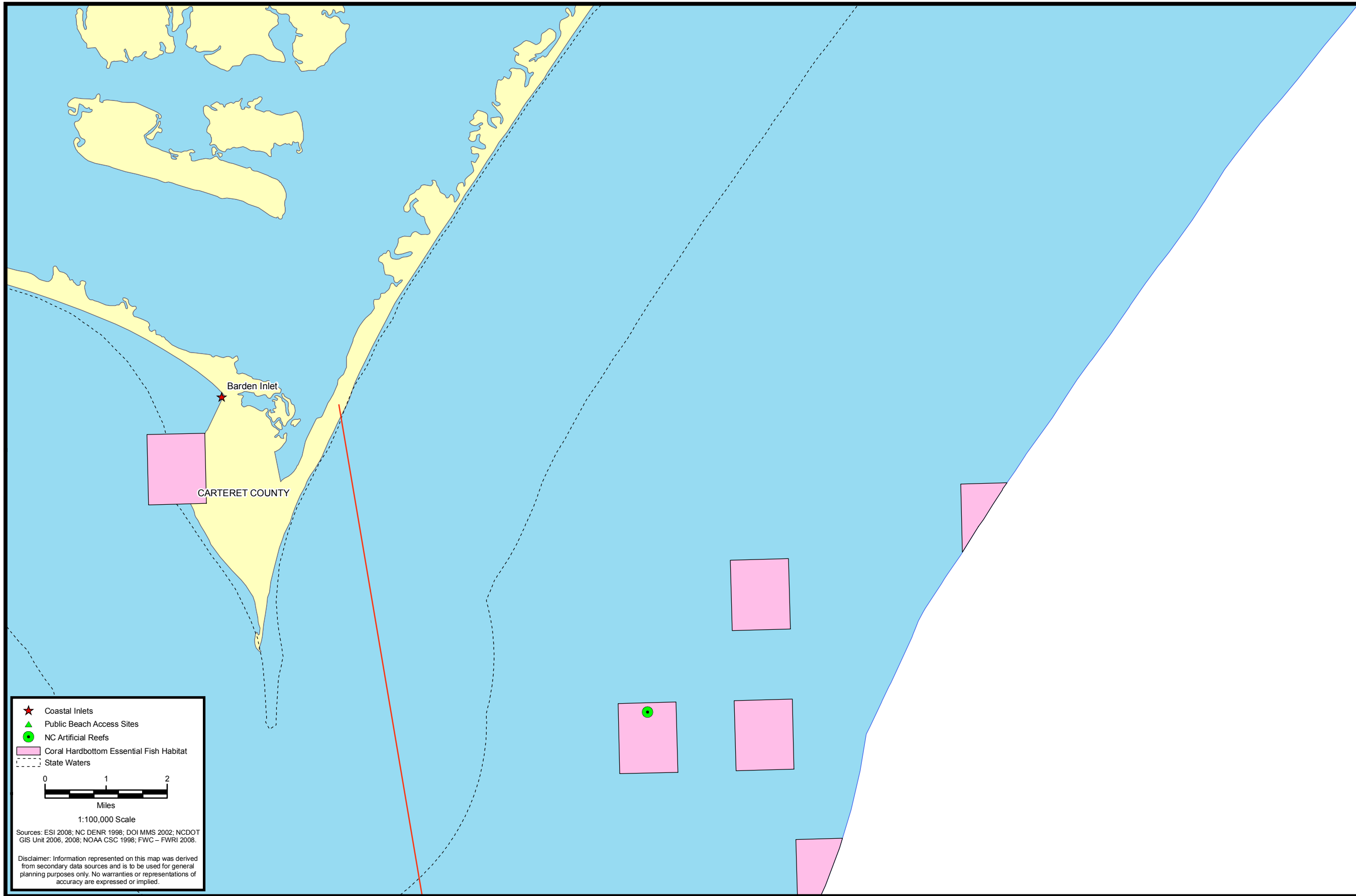
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 15  
Region 3b

**BIMP**  
N.C. Beach and Inlet Management Plan

Hard Bottom



★ Coastal Inlets  
▲ Public Beach Access Sites  
● NC Artificial Reefs  
■ Coral Hardbottom Essential Fish Habitat  
--- State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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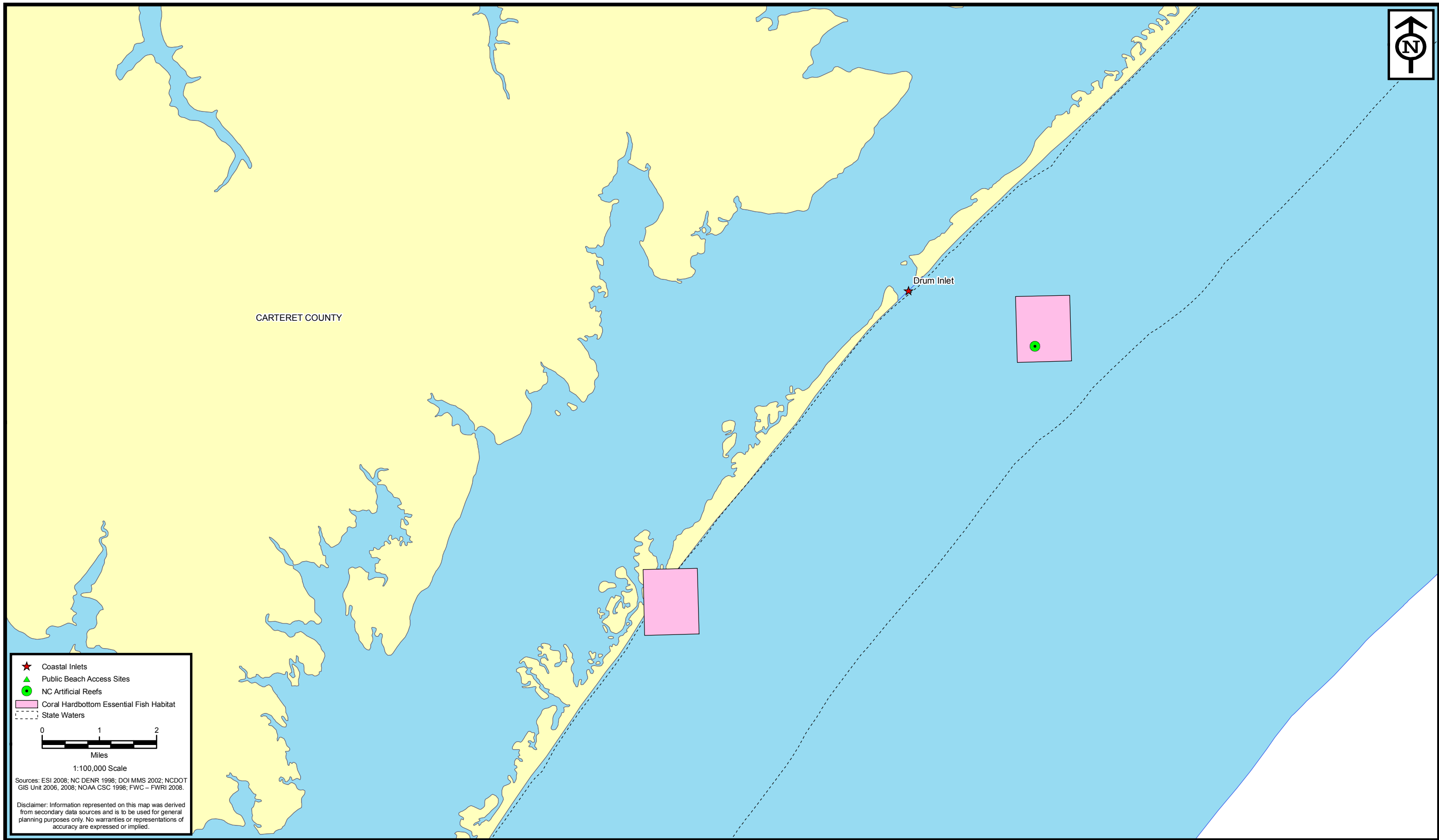
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Sheet 11  
Region 3a

**BIMP**  
N.C. Beach and Inlet Management Plan





- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
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**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles

1:100,000 Scale

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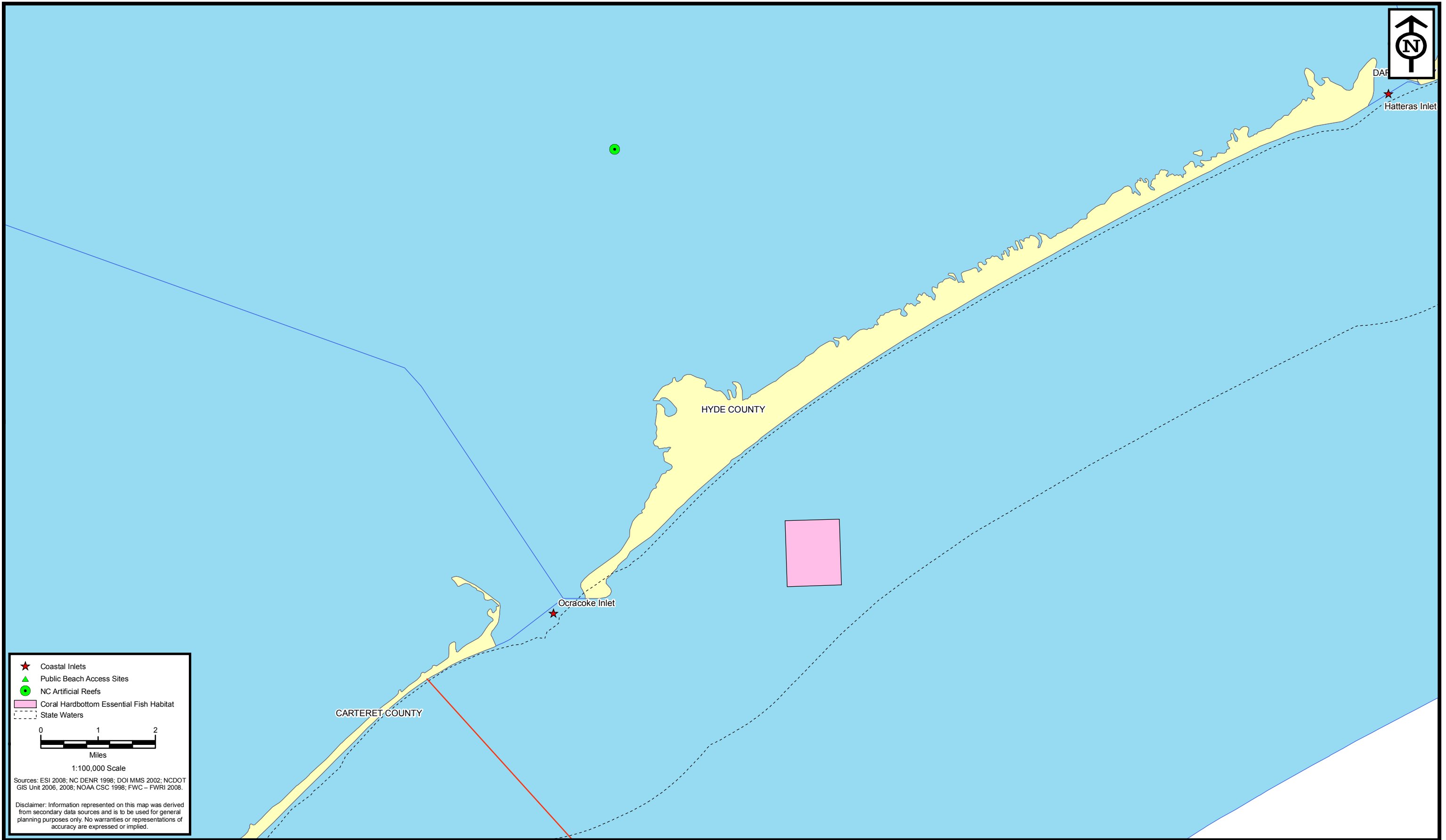
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**North Carolina Beach and Inlet Management Plan**  
Sheet 13  
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**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

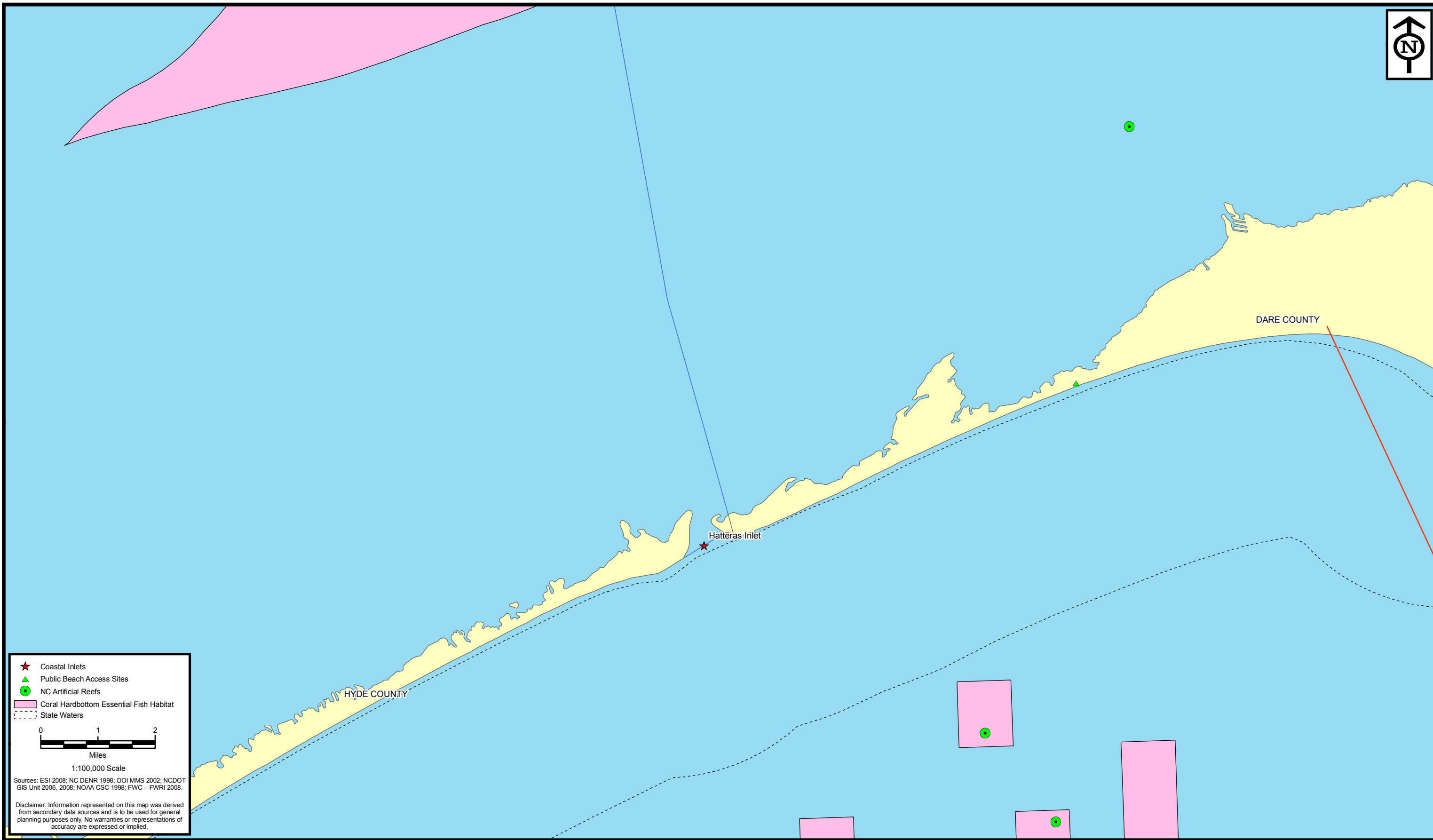
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Hard Bottom  
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**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

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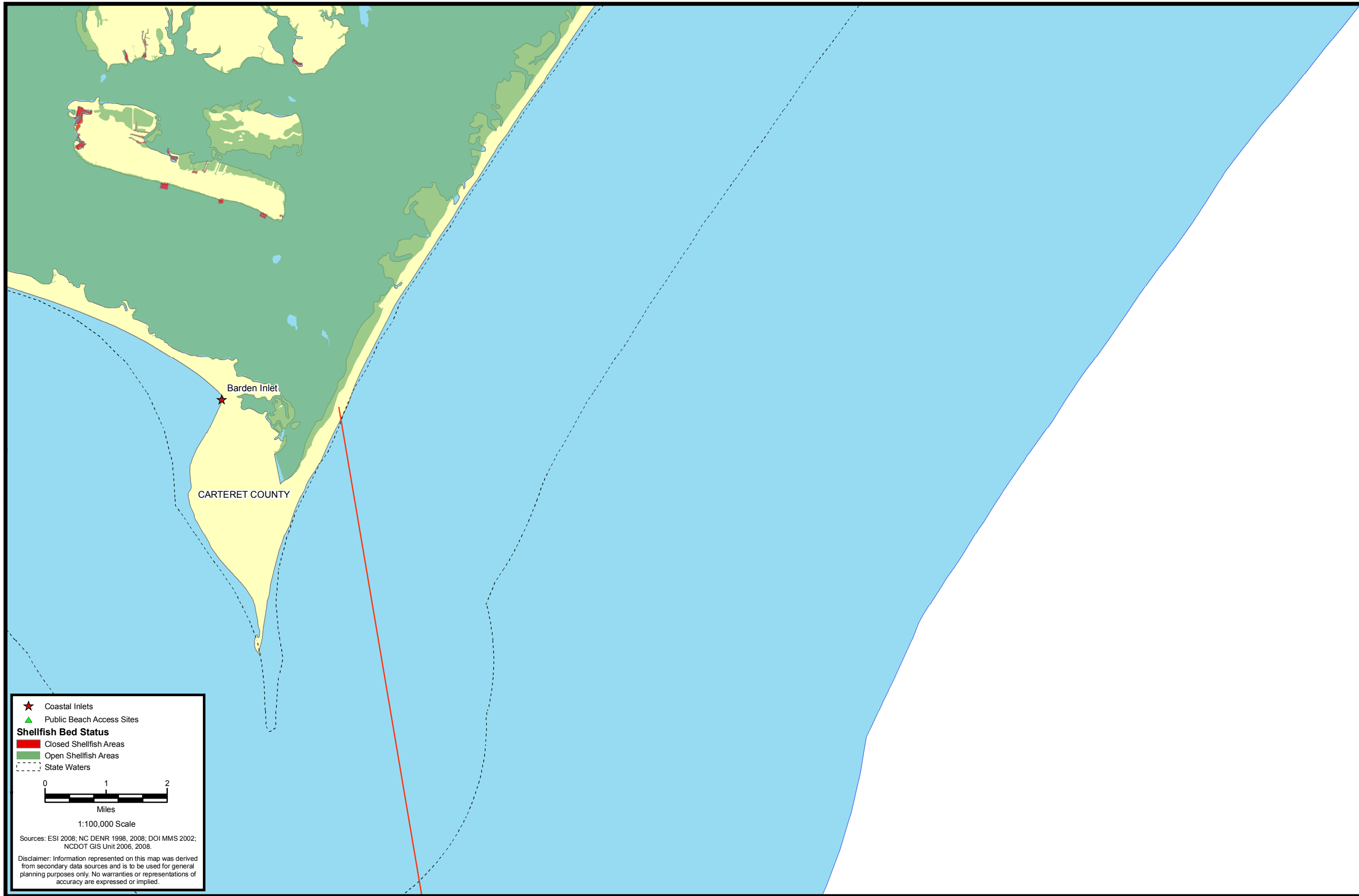
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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 15  
Region 3b



**BIMP**  
N.C. Beach and Inlet Management Plan

Shell Bottom



★ Coastal Inlets  
▲ Public Beach Access Sites

**Shellfish Bed Status**  
■ Closed Shellfish Areas  
■ Open Shellfish Areas  
--- State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

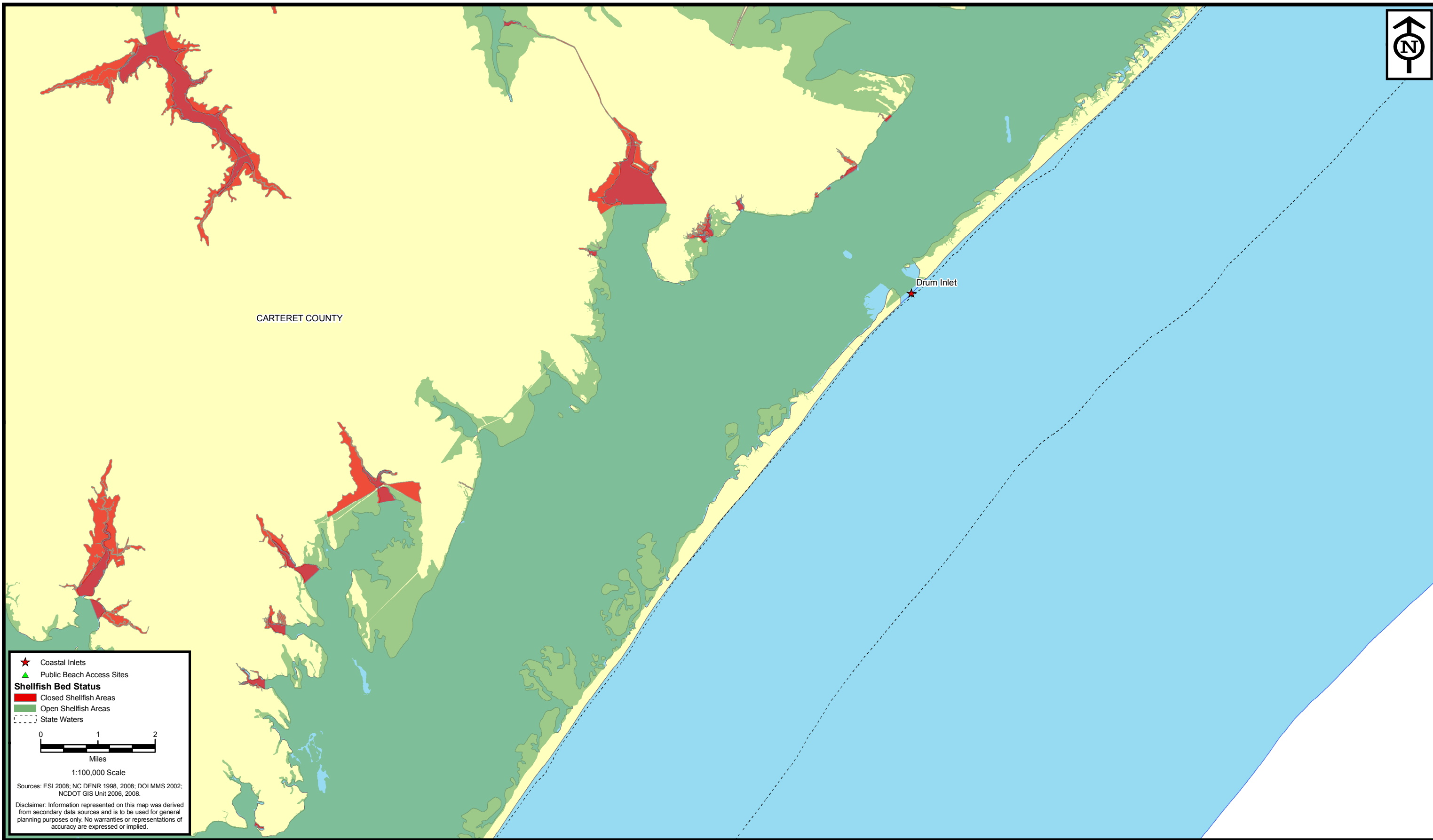
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
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**BIMP**  
N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale

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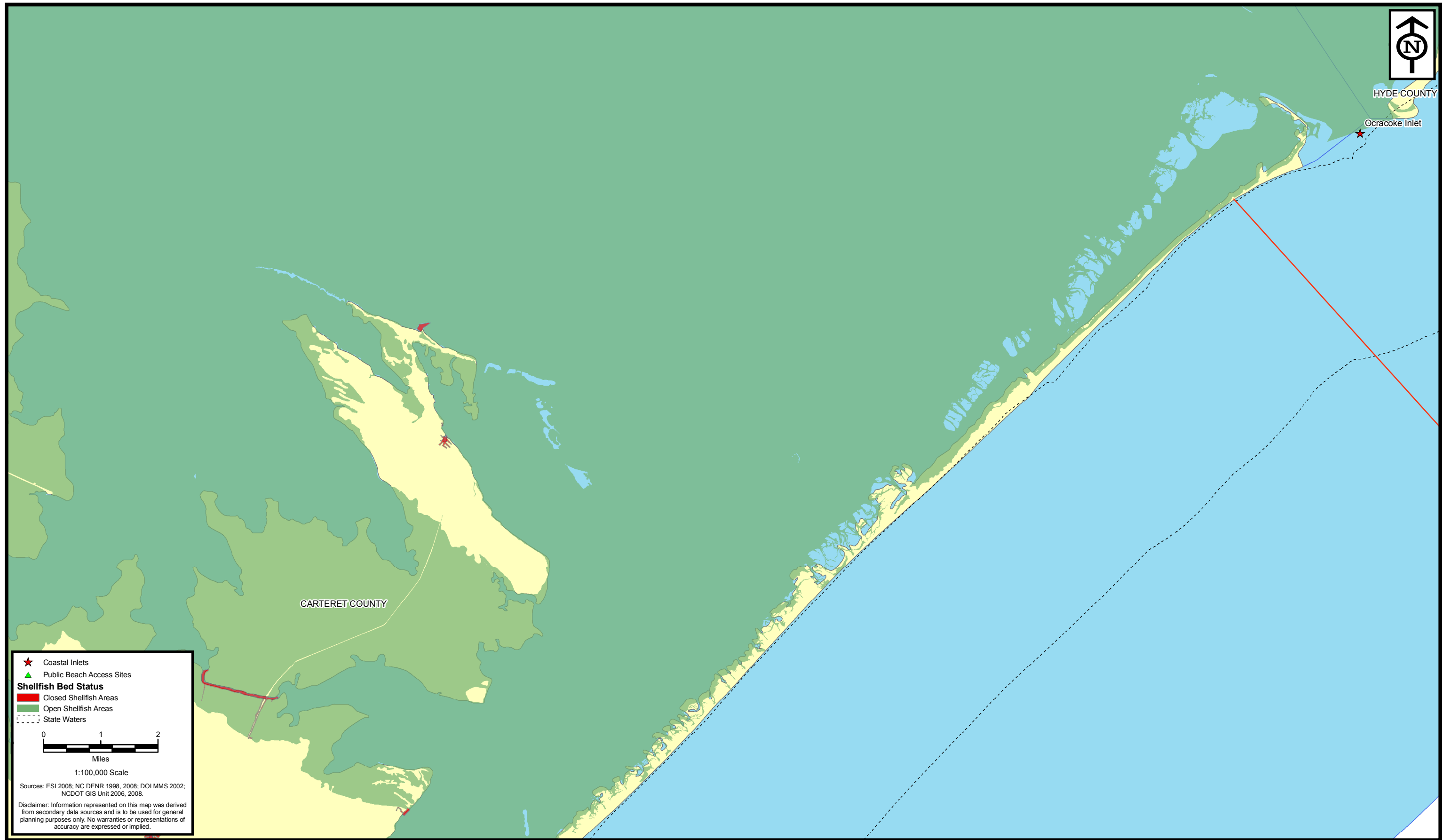
Shell Bottom  
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 Sheet 12  
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**BIMP**  
 N.C. Beach and Inlet Management Plan



HYDE COUNTY

Ocracoke Inlet



★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 Closed Shellfish Areas  
 Open Shellfish Areas

--- State Waters

Miles  
 1:100,000 Scale

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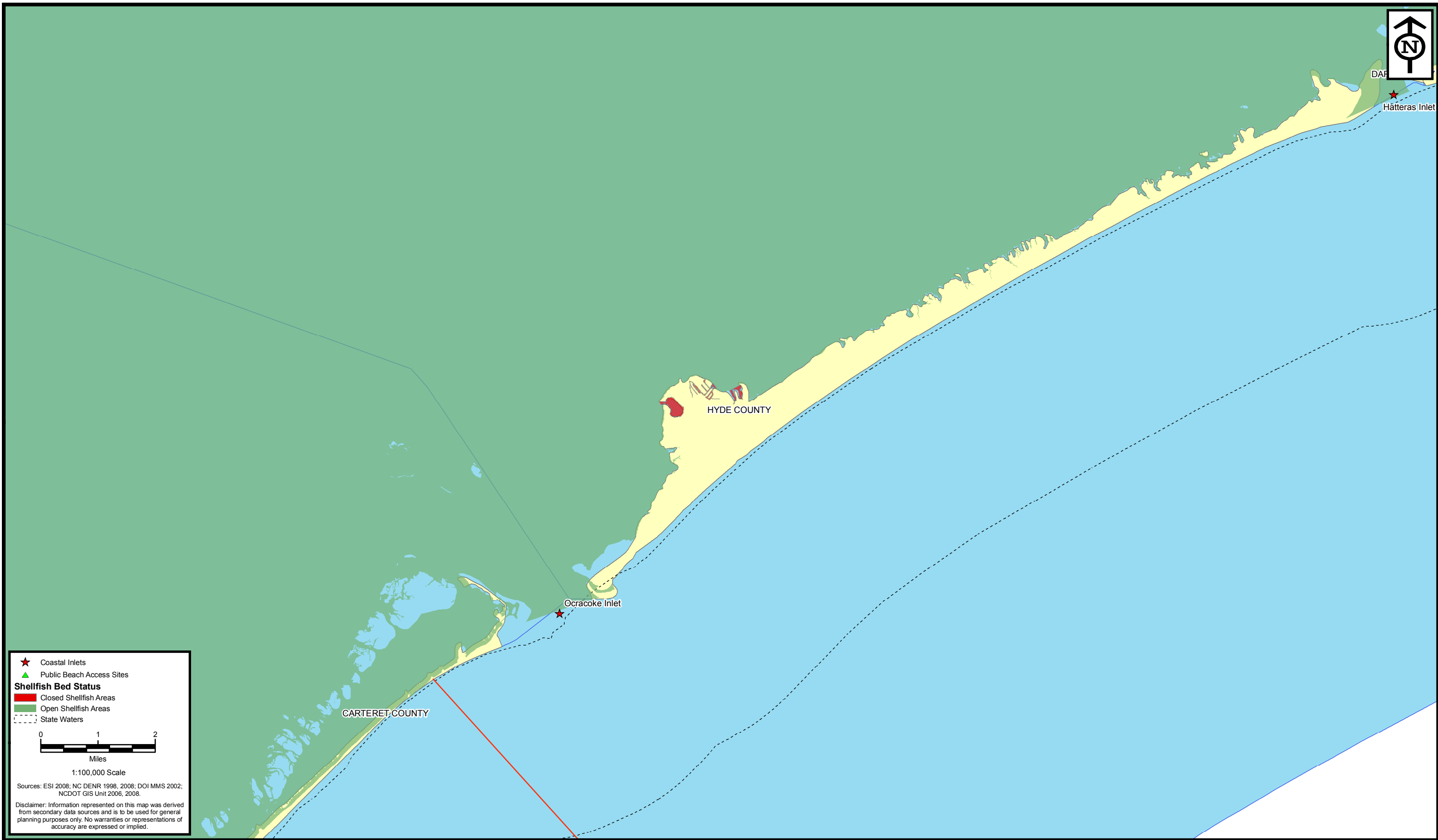
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 13  
 Region 3a

**BIMP**  
 N.C. Beach and Inlet Management Plan





- ★ Coastal Inlets
- ▲ Public Beach Access Sites

**Shellfish Bed Status**

- Closed Shellfish Areas
- Open Shellfish Areas

--- State Waters

Miles  
1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

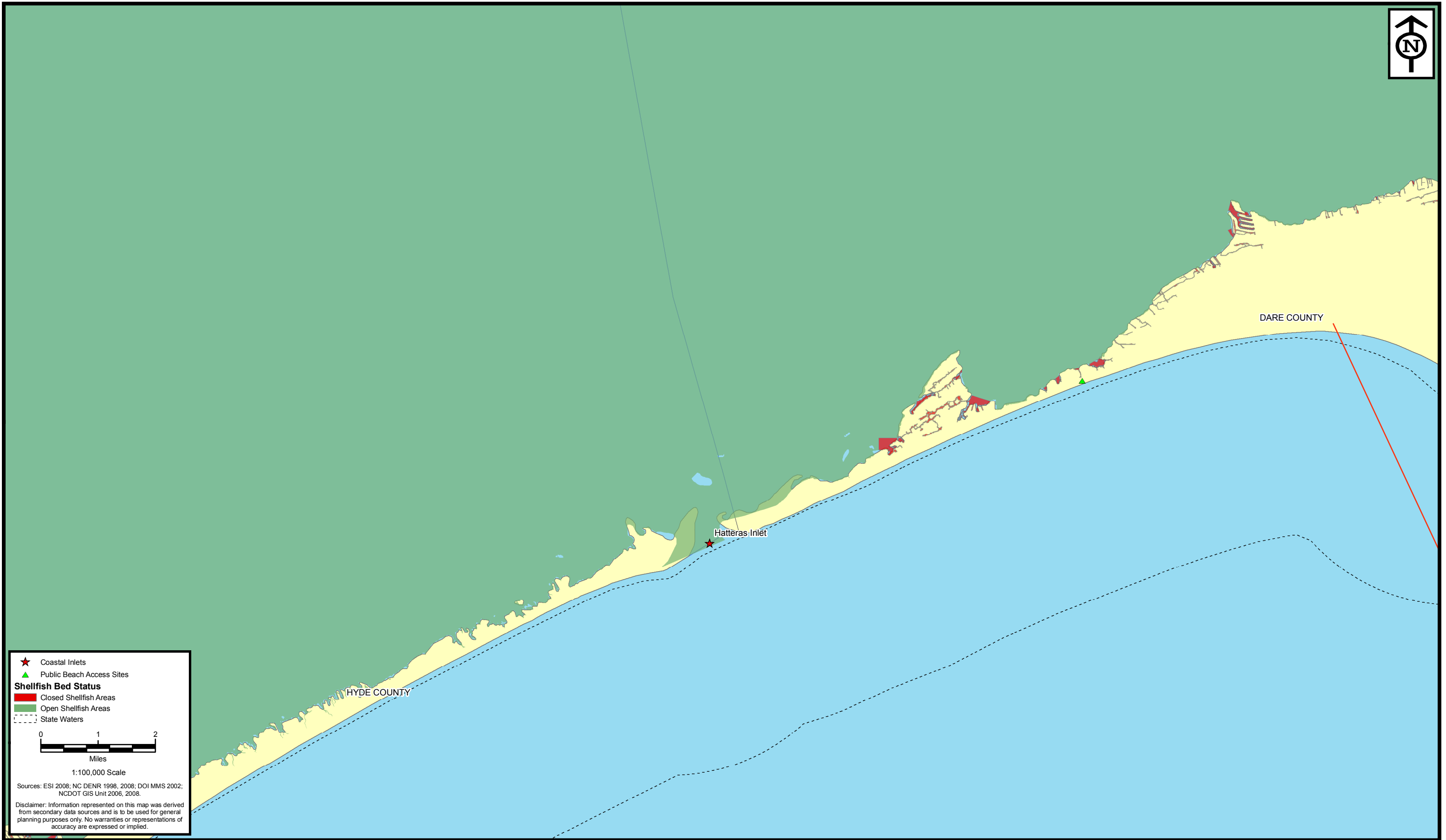
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 14  
Region 3b

**BIMP**  
N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites  
**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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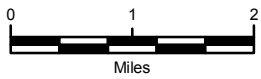
Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 15  
 Region 3b

**BIMP**  
 N.C. Beach and Inlet Management Plan

Water Column  
And  
Soft Bottom



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas
- High Quality Waters Outstanding Resource Waters
- Unclassified Waters
- ORW Waters
- ORW/SA Waters
- SA Waters
- ▨ Hazard Substance Disposal Sites
- Ocean Dredging Material Disposal Sites
- State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

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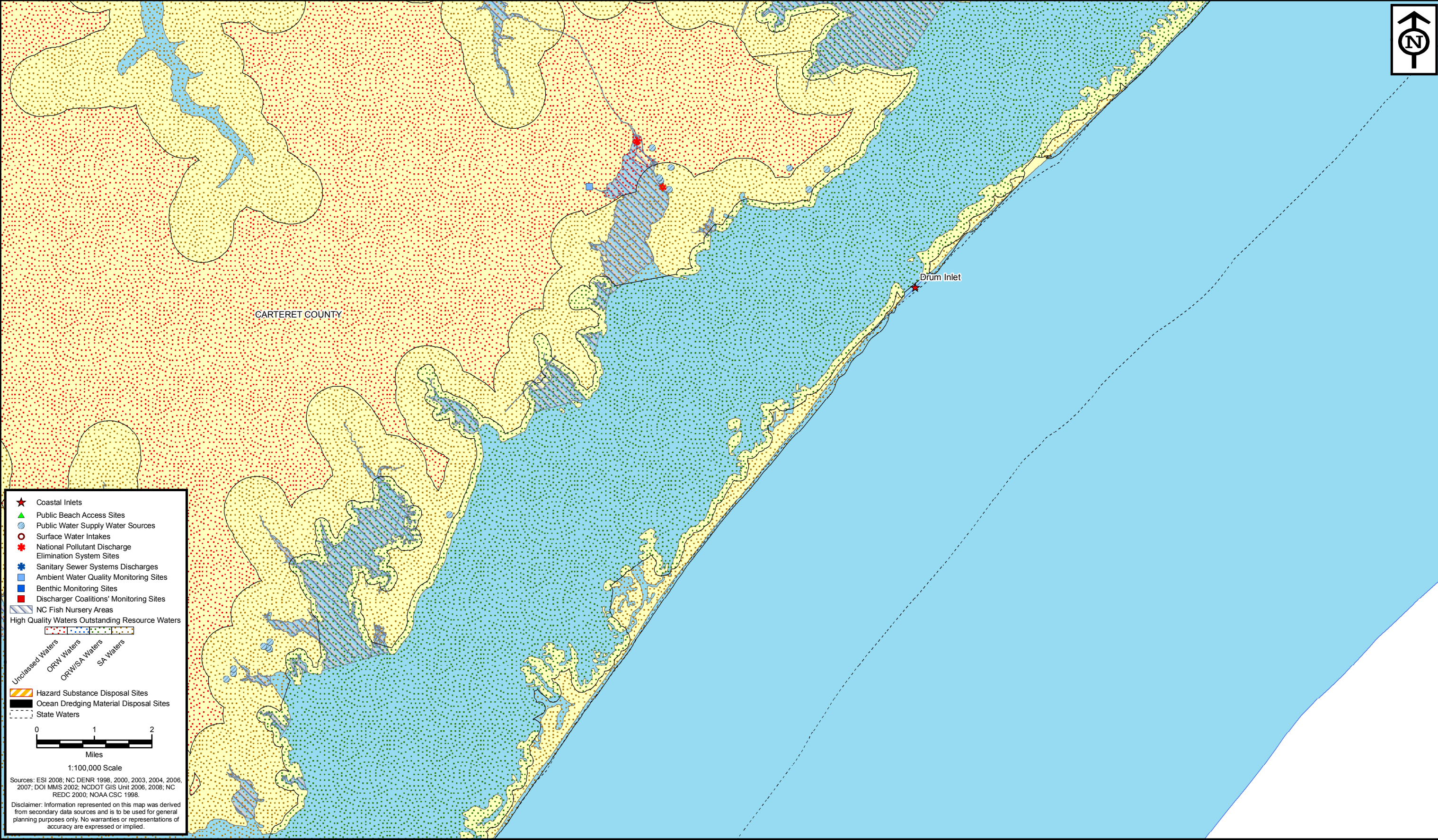


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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 11  
Region 3a



**BIMP**  
N.C. Beach and Inlet Management Plan



CARTERET COUNTY

Drum Inlet

- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas

High Quality Waters Outstanding Resource Waters

- Unclassified Waters
- ORW Waters
- ORW/SA Waters
- SA Waters

- ▨ Hazard Substance Disposal Sites
- Ocean Dredging Material Disposal Sites
- State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

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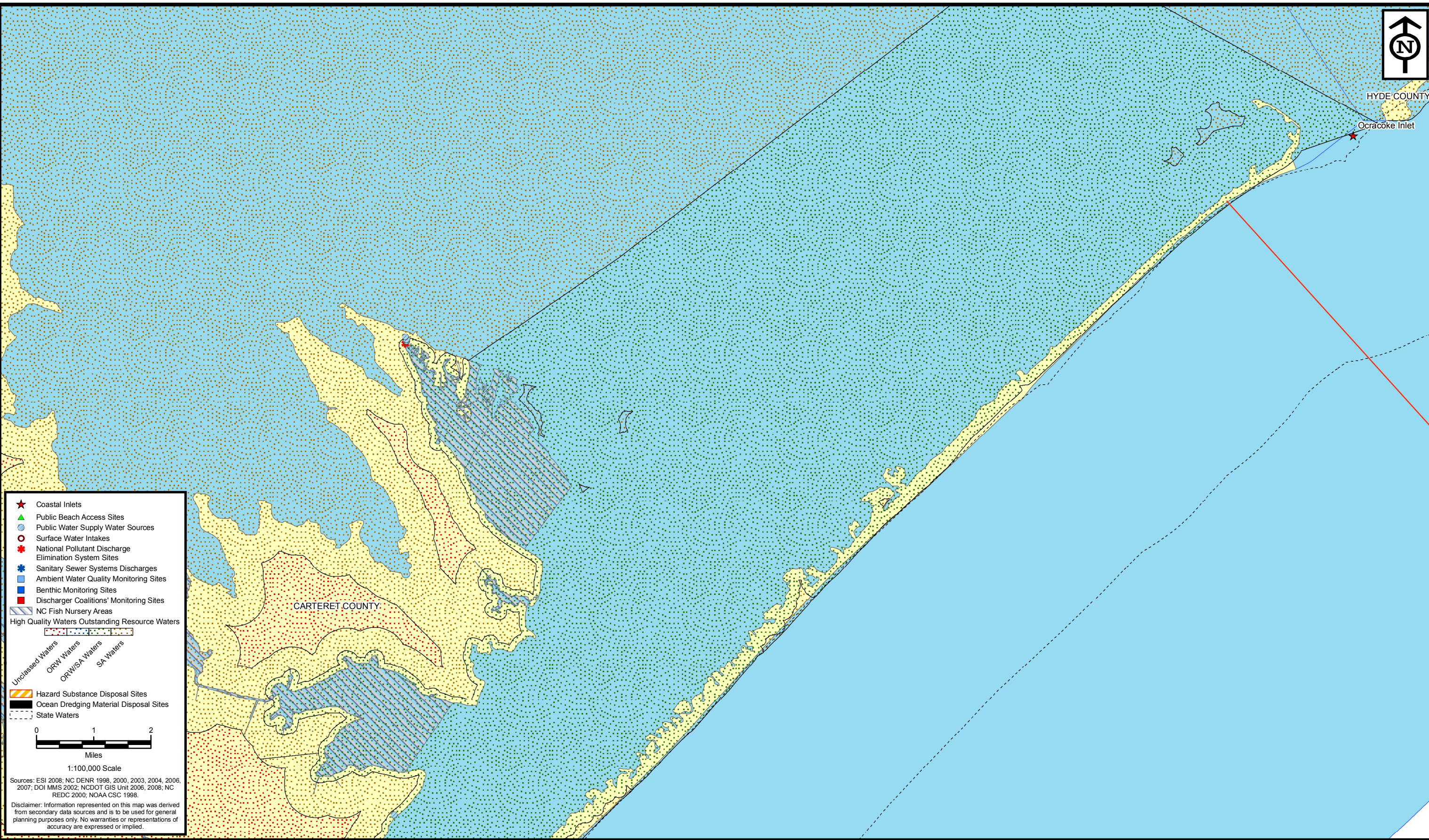
Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 12  
Region 3a

**BIMP**  
N.C. Beach and Inlet Management Plan



HYDE COUNTY

Ocracoke Inlet



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas

High Quality Waters Outstanding Resource Waters

- Unclassified Waters
- ORW Waters
- ORW/SA Waters
- SA Waters

- ▨ Hazard Substance Disposal Sites
- Ocean Dredging Material Disposal Sites
- State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

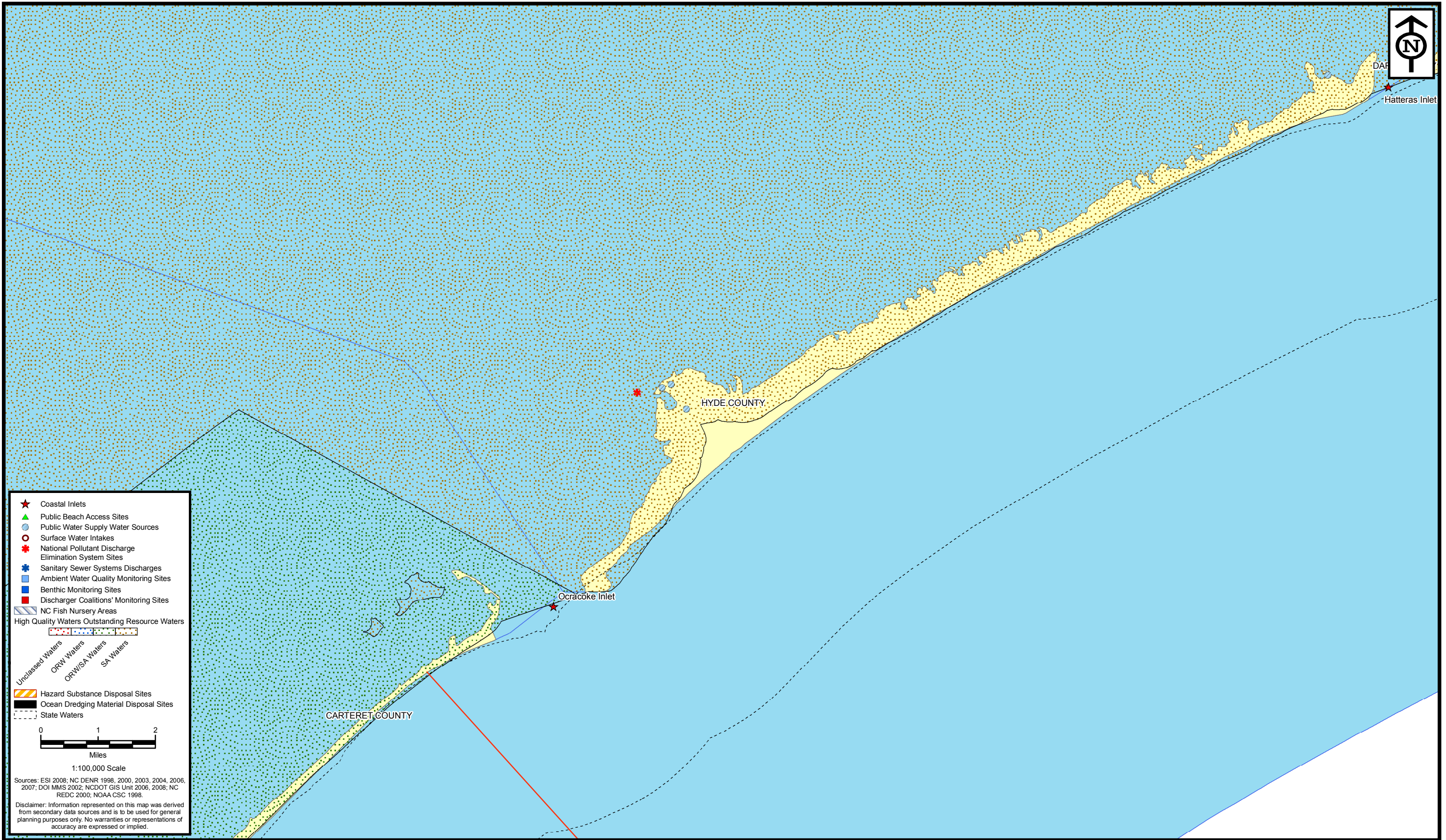
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 13  
Region 3a

**BIMP**  
N.C. Beach and Inlet Management Plan

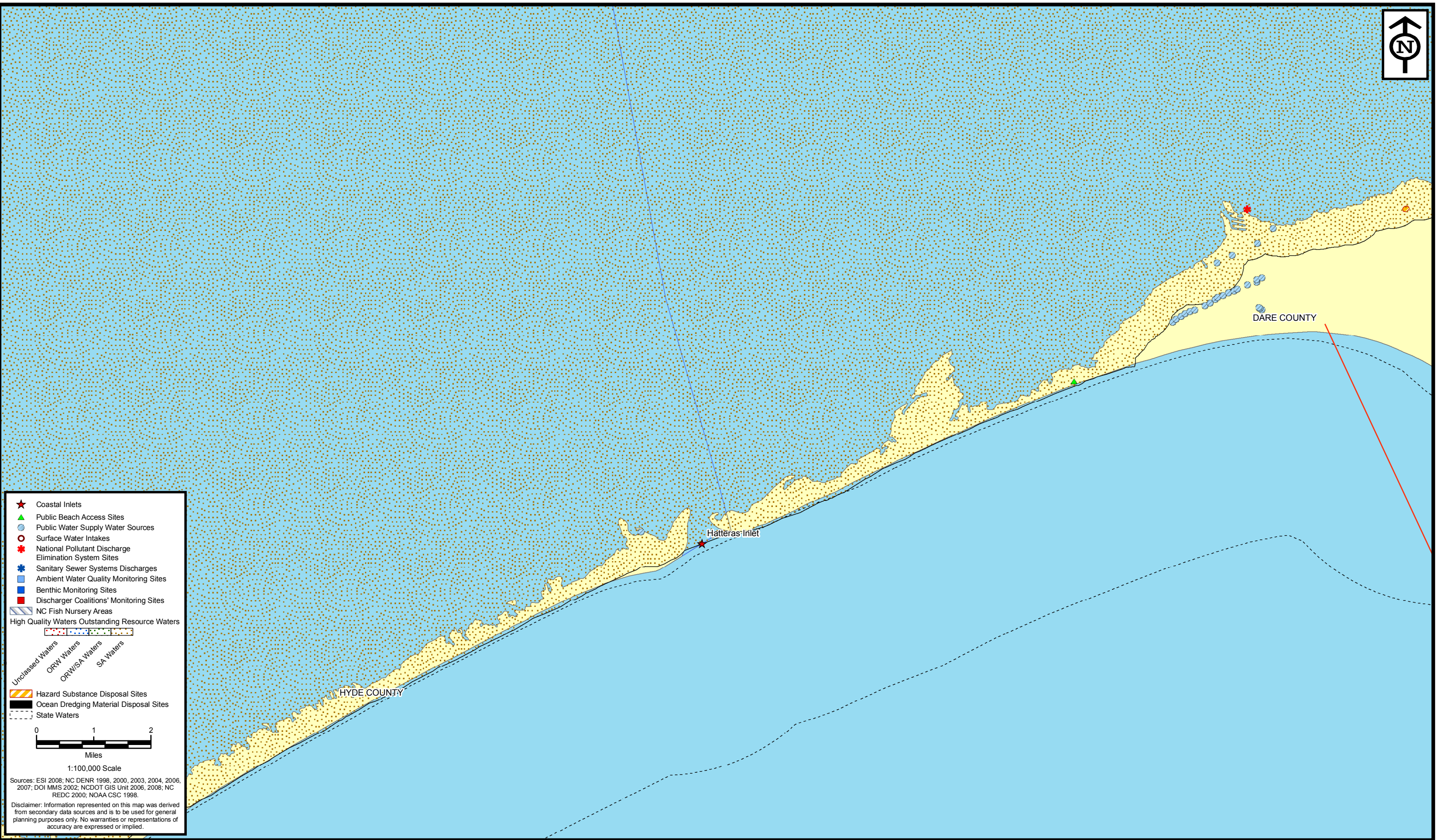


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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 14  
Region 3b

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas
- ▨ High Quality Waters
- ▨ Outstanding Resource Waters
- ▨ Unclassified Waters
- ▨ ORW Waters
- ▨ ORW/SA Waters
- ▨ SA Waters
- ▨ Hazard Substance Disposal Sites
- ▨ Ocean Dredging Material Disposal Sites
- ▨ State Waters

0 1 2  
Miles  
1:100,000 Scale

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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 15  
Region 3b

**BIMP**  
N.C. Beach and Inlet Management Plan



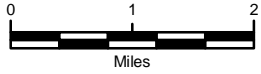
Region 4

Environmental Mapping

Coastal Wetlands  
And  
SAV



- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
- Wetland Type**
- Unclassified
  - Bottomland Hardwood
  - Cleared Bottomland Hardwood
  - Cleared Estuarine Forest
  - Cleared Estuarine Shrub/Scrub
  - Cleared Freshwater Marsh
  - Cleared Hardwood Flat
  - Cleared Headwater Swamp
  - Cleared Maritime Forest
  - Cleared Pine Flat
  - Cleared Pocosin
  - Cleared Swamp Forest
  - Cutover Bottomland Hardwood
  - Cutover Estuarine Forest
  - Cutover Estuarine Shrub/Scrub
  - Cutover Hardwood Flat
  - Cutover Headwater Swamp
  - Cutover Maritime Forest
  - Cutover Pine Flat
  - Cutover Pocosin
  - Cutover Swamp Forest
  - Drained Bottomland Hardwood
  - Drained Estuarine Forest
  - Drained Estuarine Shrub/Scrub
  - Drained Freshwater Marsh
  - Drained Hardwood Flat
  - Drained Headwater Swamp
  - Drained Maritime Forest
  - Drained Pine Flat
  - Drained Pocosin
  - Drained Salt/Brackish Marsh
  - Drained Swamp Forest
  - Estuarine Forest
  - Estuarine Shrub/Scrub
  - Freshwater Marsh
  - Hardwood Flat
  - Headwater Swamp
  - Human Impacted
  - Managed Pineland
  - Maritime Forest
  - Non-Wetland
  - Pine Flat
  - Pocosin
  - Salt/Brackish Marsh
  - Swamp Forest
  - State Waters



1:100,000 Scale

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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 16  
 Region 4a

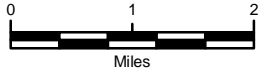
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 N.C. Beach and Inlet Management Plan



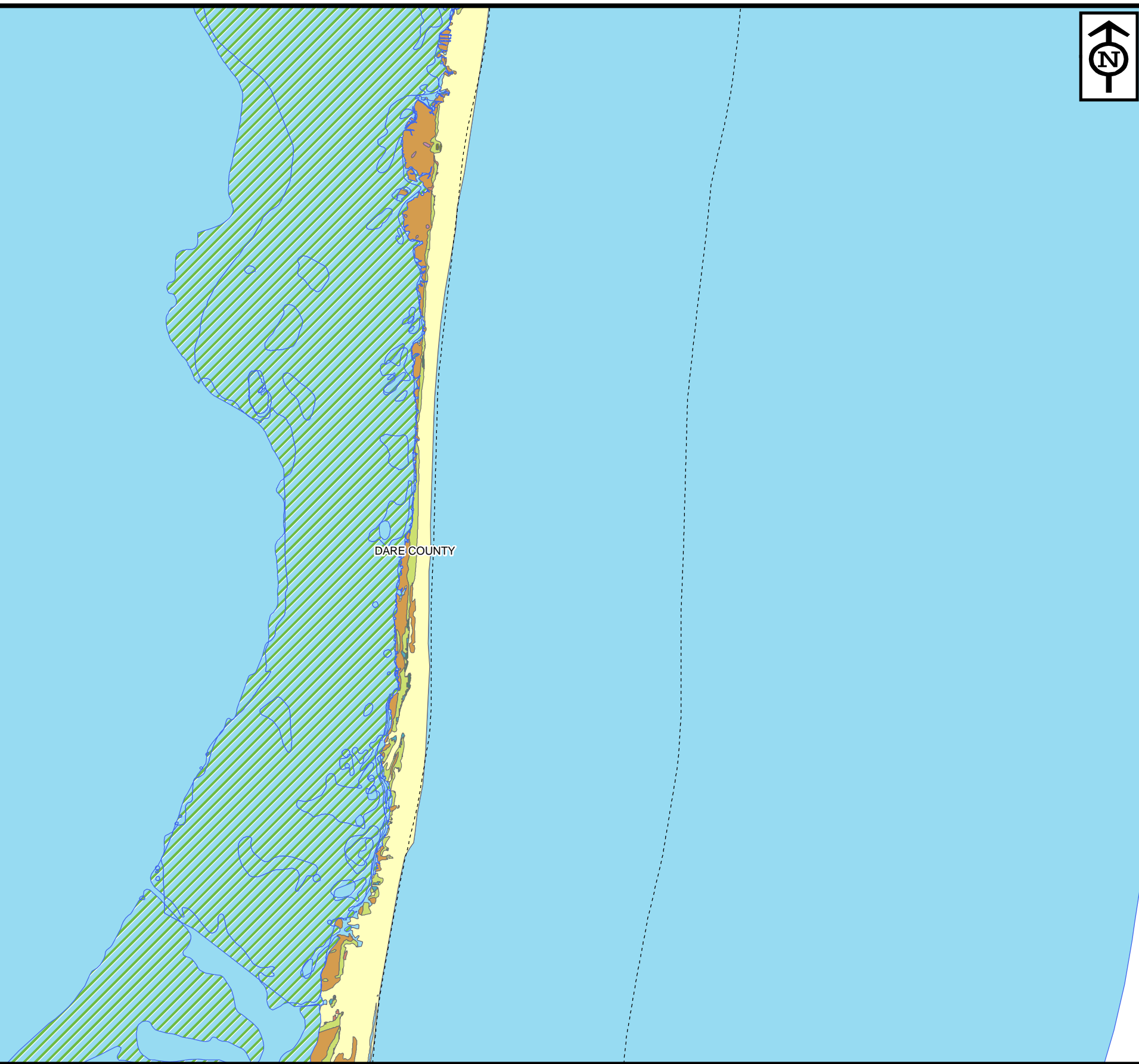
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  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
- Wetland Type**
- Unclassed
  - Bottomland Hardwood
  - Cleared Bottomland Hardwood
  - Cleared Estuarine Forest
  - Cleared Estuarine Shrub/Scrub
  - Cleared Freshwater Marsh
  - Cleared Hardwood Flat
  - Cleared Headwater Swamp
  - Cleared Maritime Forest
  - Cleared Pine Flat
  - Cleared Pocosin
  - Cleared Swamp Forest
  - Cutover Bottomland Hardwood
  - Cutover Estuarine Forest
  - Cutover Estuarine Shrub/Scrub
  - Cutover Hardwood Flat
  - Cutover Headwater Swamp
  - Cutover Maritime Forest
  - Cutover Pine Flat
  - Cutover Pocosin
  - Cutover Swamp Forest
  - Drained Bottomland Hardwood
  - Drained Estuarine Forest
  - Drained Estuarine Shrub/Scrub
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  - Drained Pine Flat
  - Drained Pocosin
  - Drained Salt/Brackish Marsh
  - Drained Swamp Forest
  - Estuarine Forest
  - Estuarine Shrub/Scrub
  - Freshwater Marsh
  - Hardwood Flat
  - Headwater Swamp
  - Human Impacted
  - Managed Pineland
  - Maritime Forest
  - Non-Wetland
  - Pine Flat
  - Pocosin
  - Salt/Brackish Marsh
  - Swamp Forest
  - State Waters



1:100,000 Scale

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Coastal Wetlands and SAV

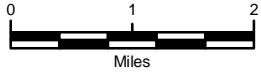
## North Carolina Beach and Inlet Management Plan

Sheet 17  
Region 4a

**BIMP**  
N.C. Beach and Inlet Management Plan



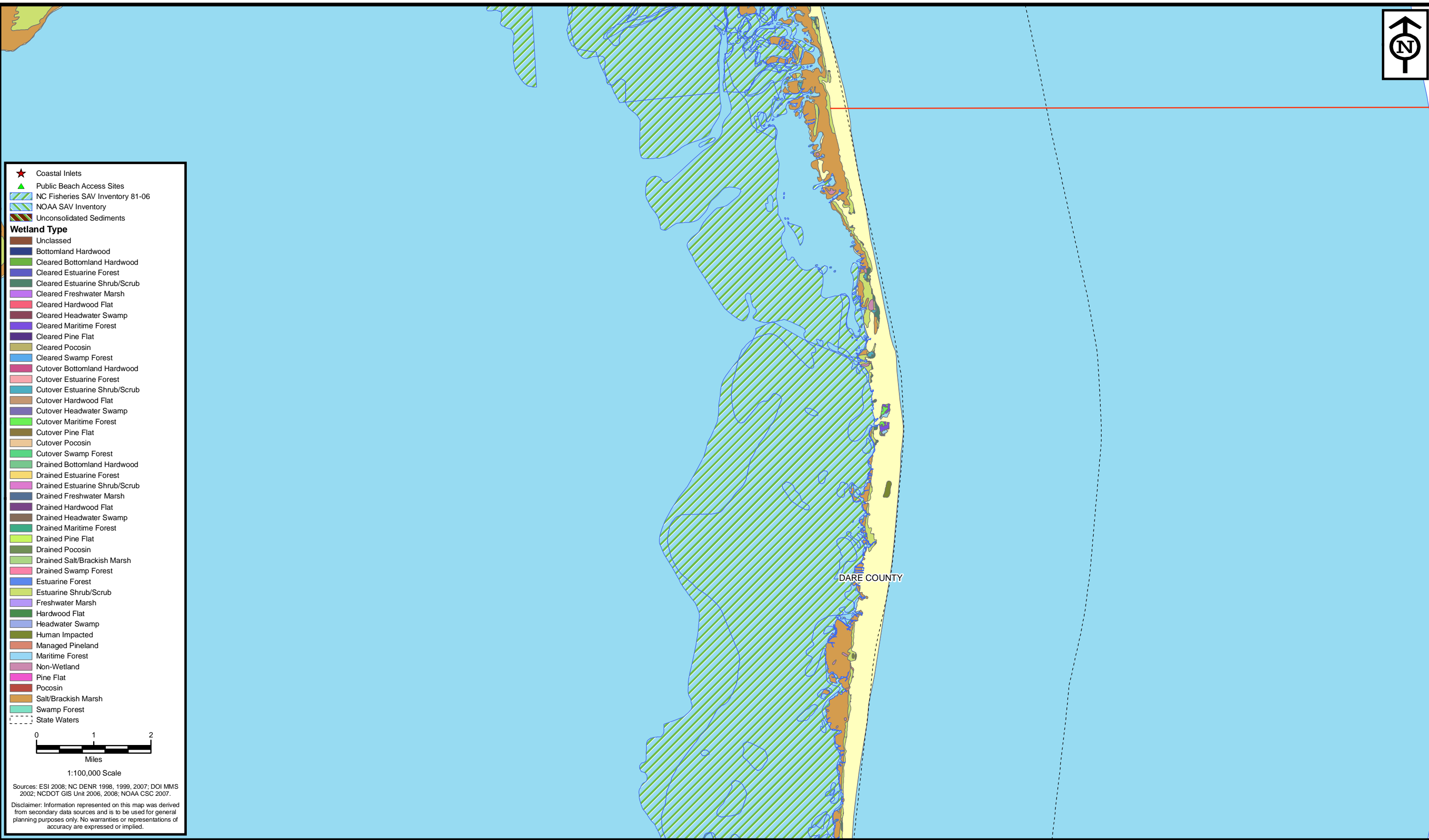
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  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
- Wetland Type**
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  - Bottomland Hardwood
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  - Salt/Brackish Marsh
  - Swamp Forest
  - State Waters



1:100,000 Scale

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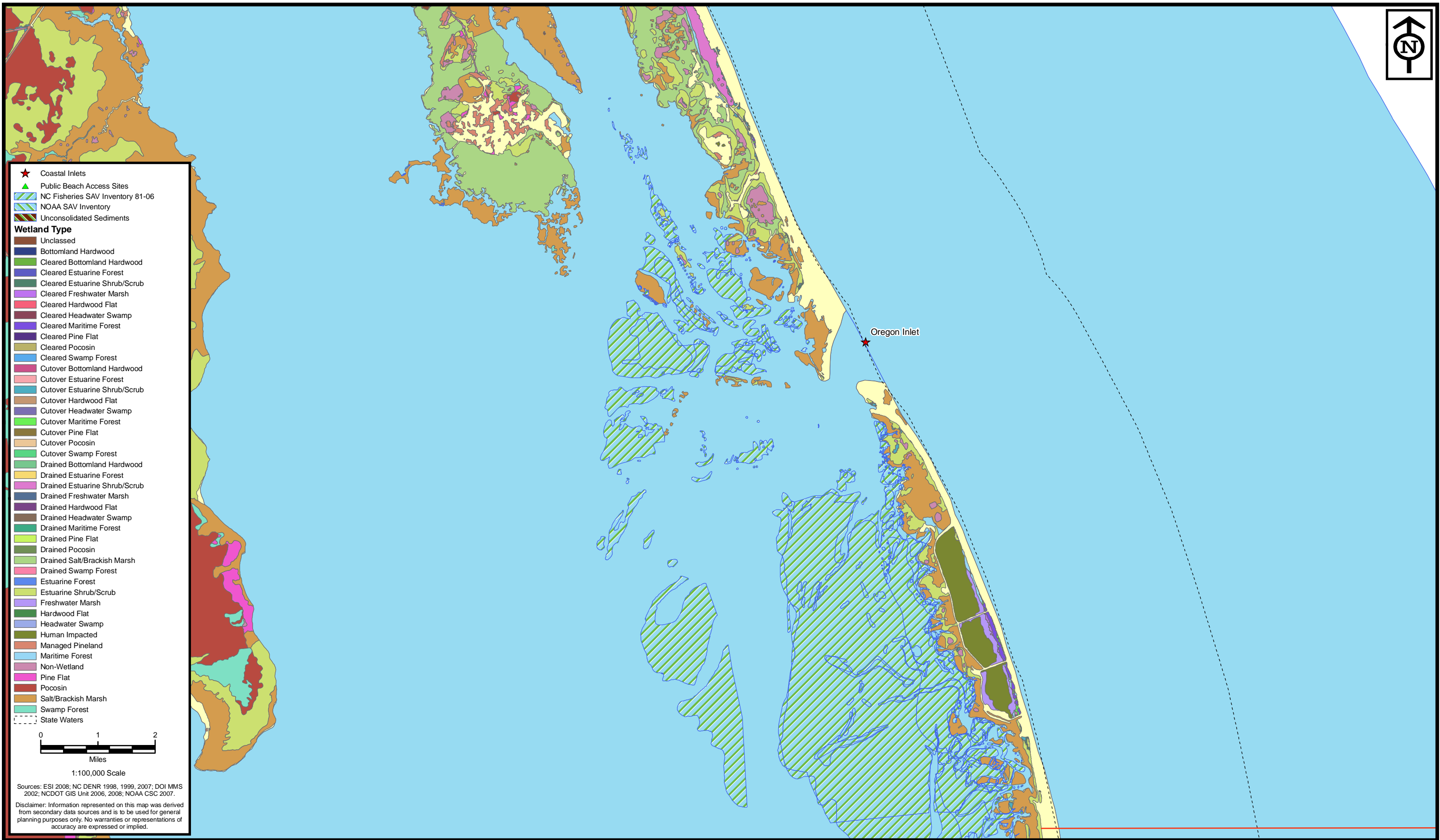


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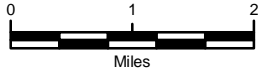
Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 18  
Region 4a



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
- Wetland Type**
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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 19  
Region 4b



**BIMP**  
N.C. Beach and Inlet Management Plan



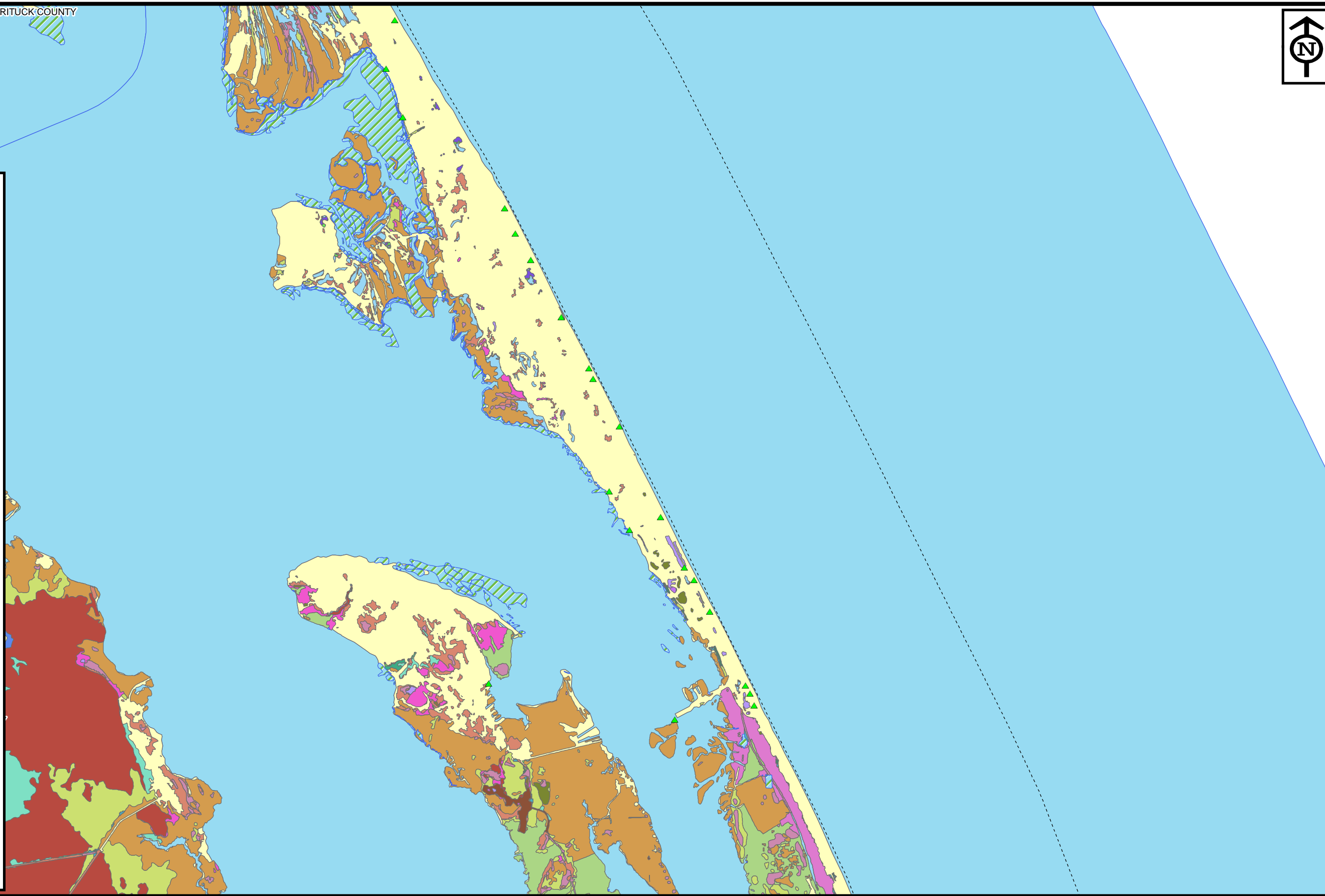
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  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
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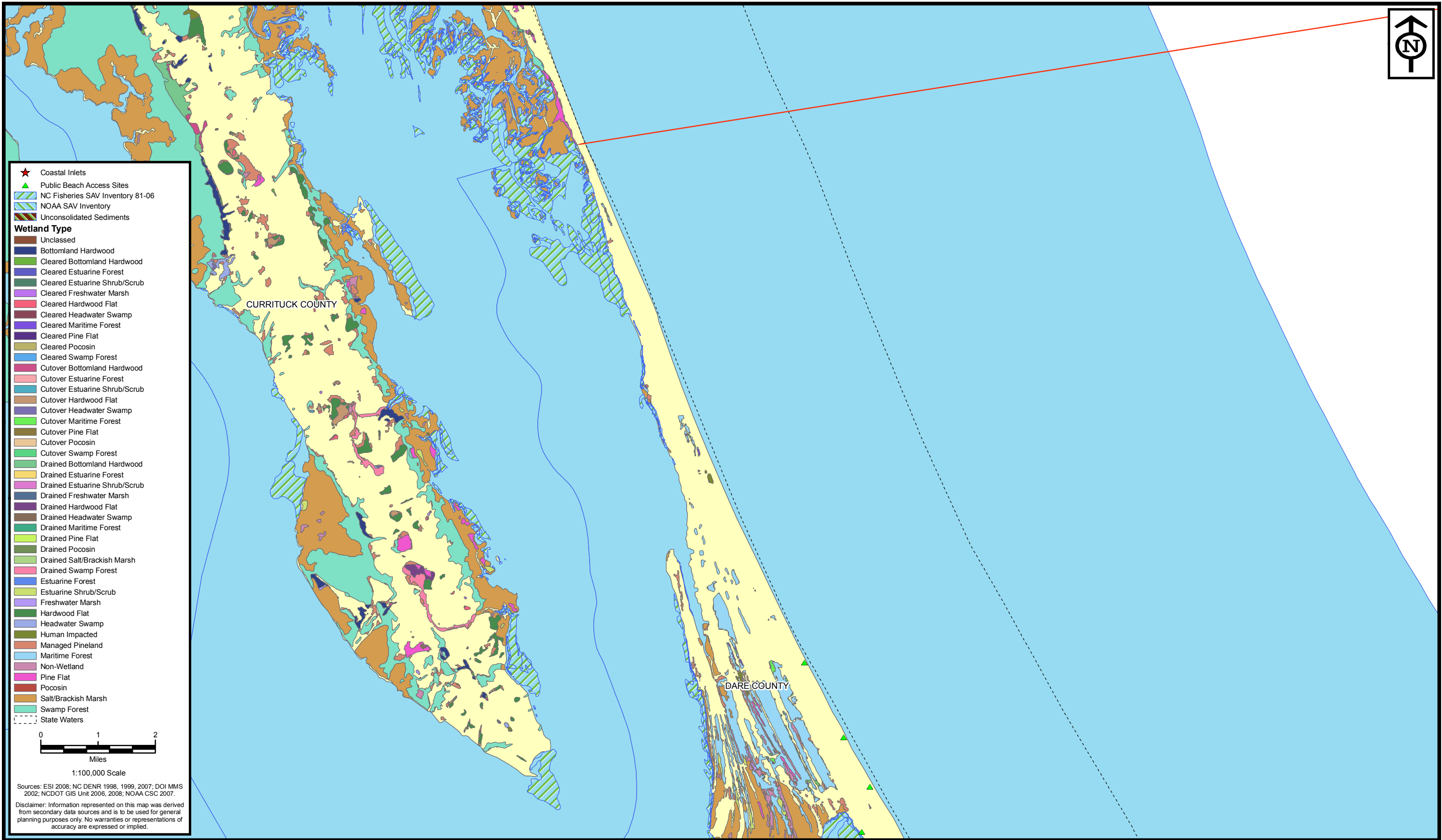


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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 20  
Region 4b



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
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  - ▨ Unconsolidated Sediments
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1:100,000 Scale

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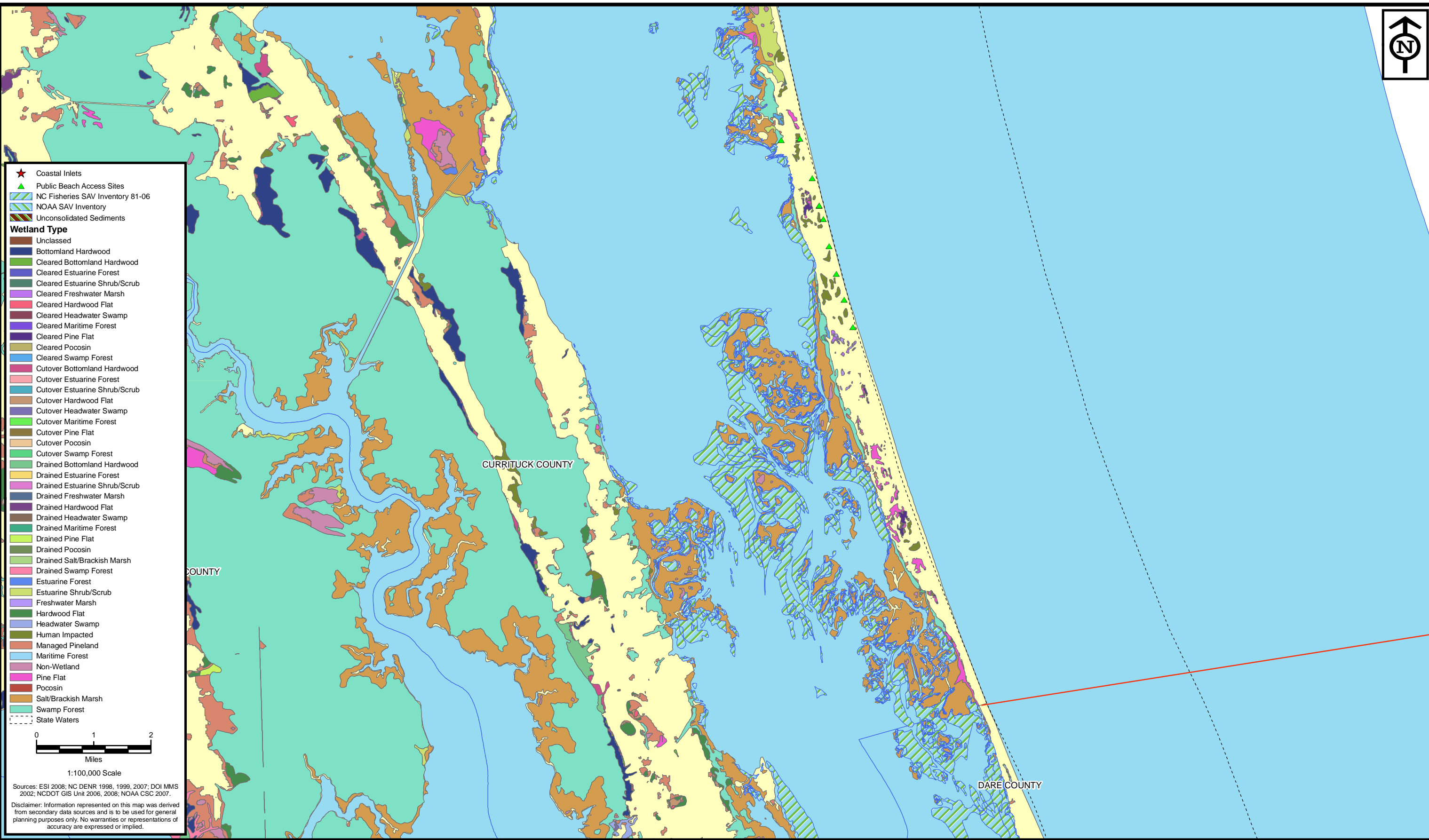
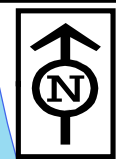
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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 21  
Region 4b



**BIMP**  
N.C. Beach and Inlet Management Plan





- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
- Wetland Type**
- Unclassified
  - Bottomland Hardwood
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  - Cutover Maritime Forest
  - Cutover Pine Flat
  - Cutover Pocosin
  - Cutover Swamp Forest
  - Drained Bottomland Hardwood
  - Drained Estuarine Forest
  - Drained Estuarine Shrub/Scrub
  - Drained Freshwater Marsh
  - Drained Hardwood Flat
  - Drained Headwater Swamp
  - Drained Maritime Forest
  - Drained Pine Flat
  - Drained Pocosin
  - Drained Salt/Brackish Marsh
  - Drained Swamp Forest
  - Estuarine Forest
  - Estuarine Shrub/Scrub
  - Freshwater Marsh
  - Hardwood Flat
  - Headwater Swamp
  - Human Impacted
  - Managed Pineland
  - Maritime Forest
  - Non-Wetland
  - Pine Flat
  - Pocosin
  - Salt/Brackish Marsh
  - Swamp Forest
  - State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 1999, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 2007.

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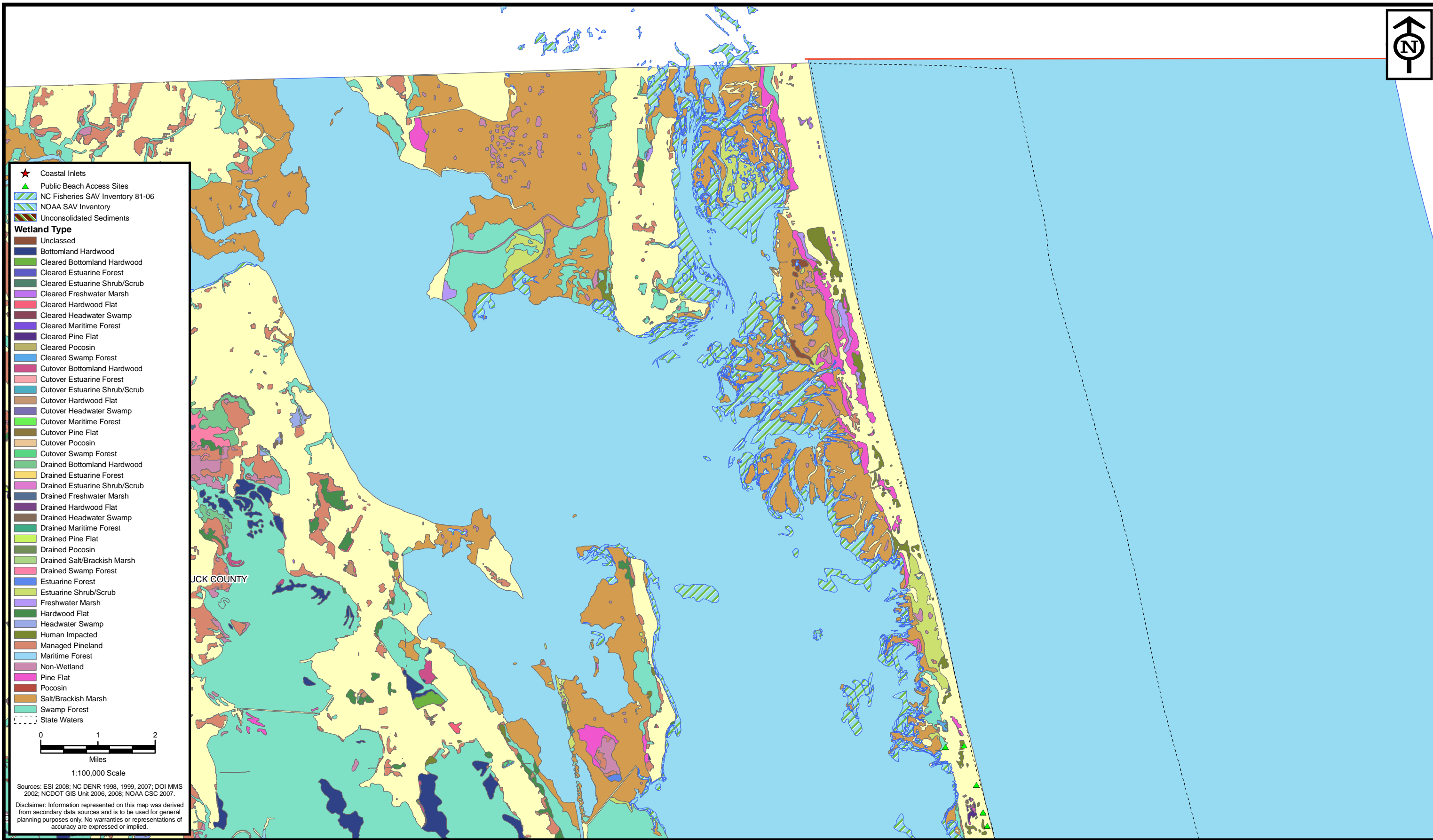


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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 22  
Region 4c



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - ▨ NC Fisheries SAV Inventory 81-06
  - ▨ NOAA SAV Inventory
  - ▨ Unconsolidated Sediments
- Wetland Type**
- Unclassified
  - Bottomland Hardwood
  - Cleared Bottomland Hardwood
  - Cleared Estuarine Forest
  - Cleared Estuarine Shrub/Scrub
  - Cleared Freshwater Marsh
  - Cleared Hardwood Flat
  - Cleared Headwater Swamp
  - Cleared Maritime Forest
  - Cleared Pine Flat
  - Cleared Pocosin
  - Cleared Swamp Forest
  - Cutover Bottomland Hardwood
  - Cutover Estuarine Forest
  - Cutover Estuarine Shrub/Scrub
  - Cutover Hardwood Flat
  - Cutover Headwater Swamp
  - Cutover Maritime Forest
  - Cutover Pine Flat
  - Cutover Pocosin
  - Cutover Swamp Forest
  - Drained Bottomland Hardwood
  - Drained Estuarine Forest
  - Drained Estuarine Shrub/Scrub
  - Drained Freshwater Marsh
  - Drained Hardwood Flat
  - Drained Headwater Swamp
  - Drained Maritime Forest
  - Drained Pine Flat
  - Drained Pocosin
  - Drained Salt/Brackish Marsh
  - Drained Swamp Forest
  - Estuarine Forest
  - Estuarine Shrub/Scrub
  - Freshwater Marsh
  - Hardwood Flat
  - Headwater Swamp
  - Human Impacted
  - Managed Pineland
  - Maritime Forest
  - Non-Wetland
  - Pine Flat
  - Pocosin
  - Salt/Brackish Marsh
  - Swamp Forest
  - State Waters



1:100,000 Scale

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Coastal Wetlands and SAV  
**North Carolina Beach and Inlet Management Plan**  
Sheet 23  
Region 4c



**BIMP**  
N.C. Beach and Inlet Management Plan

# Critical Wildlife Habitats



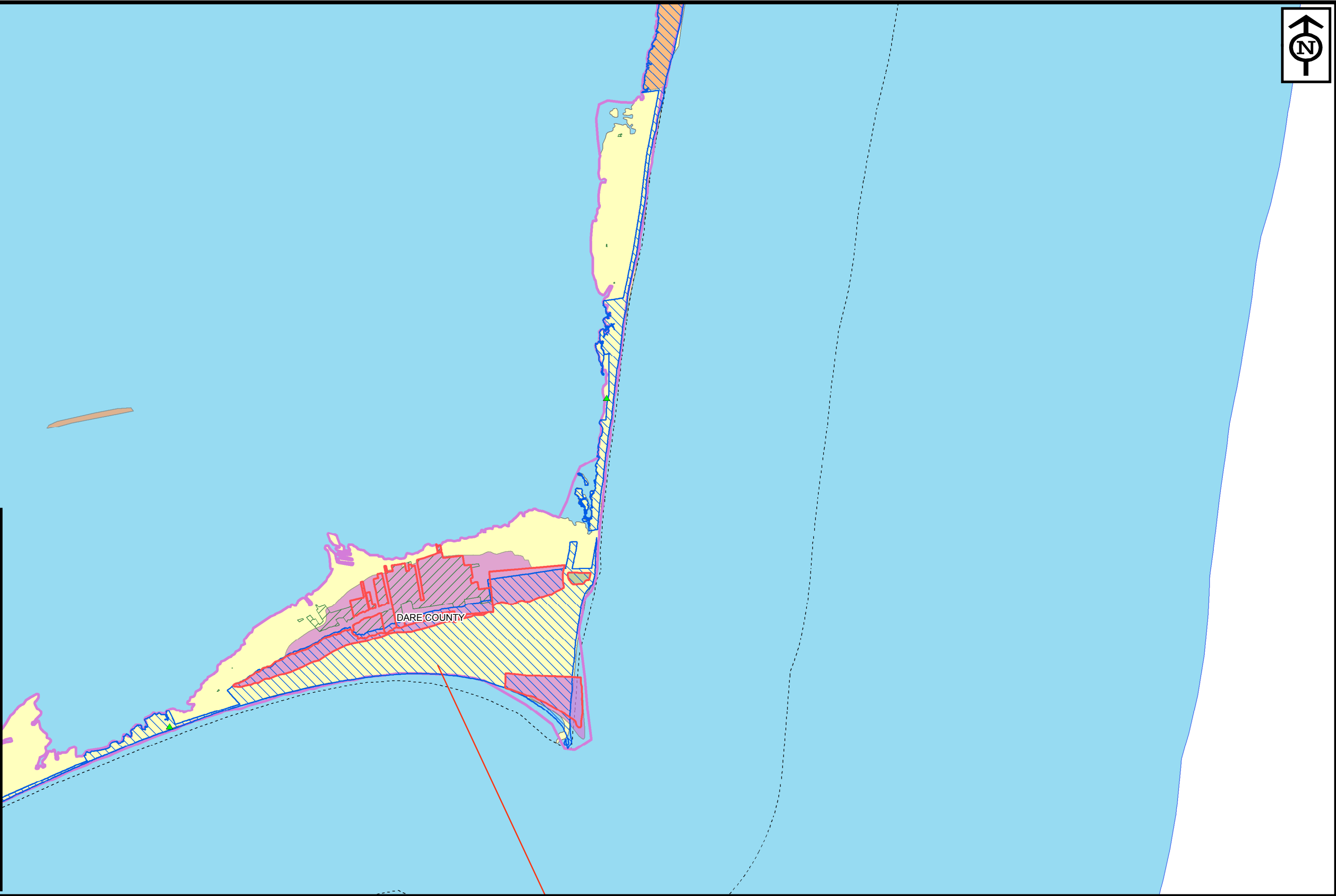
- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▨ Federal
- ▨ State
- ▨ Local
- ▨ Private
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ Unranked
- ▨ Megasites
- ▨ Conservation Tax Credit Properties
- ▨ Land Trust Conservation Properties
- ▨ NC Crab Spawning Sanctuary
- ▨ NC Sea Turtle Sanctuary
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ County Significance
- ▨ Unranked
- - - State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

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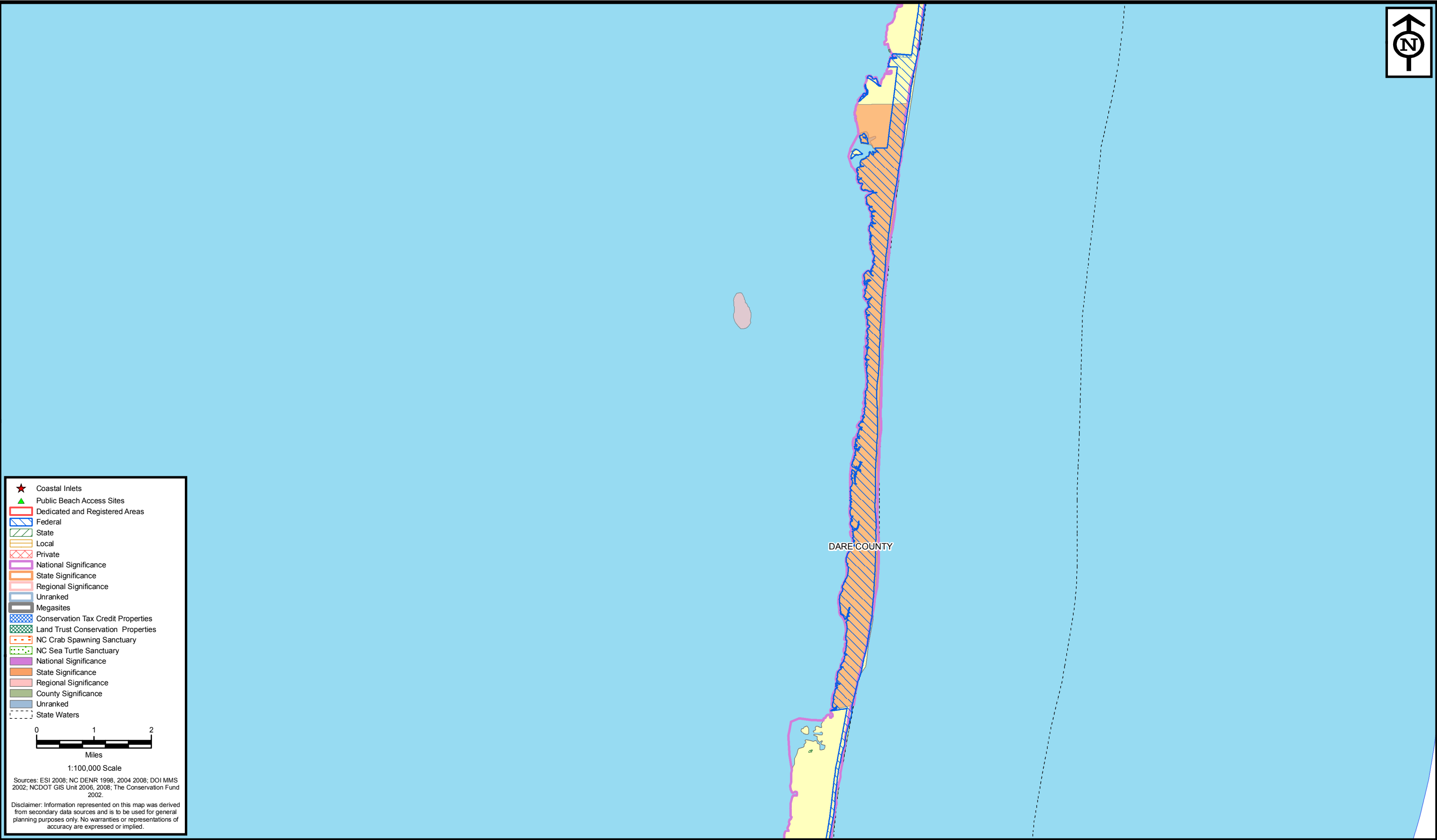
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Critical Wildlife Habitats

## North Carolina Beach and Inlet Management Plan

Sheet 16  
Region 4a

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▨ Federal
- ▨ State
- ▨ Local
- ▨ Private
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ Unranked
- ▨ Megsites
- ▨ Conservation Tax Credit Properties
- ▨ Land Trust Conservation Properties
- ▨ NC Crab Spawning Sanctuary
- ▨ NC Sea Turtle Sanctuary
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ County Significance
- ▨ Unranked
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

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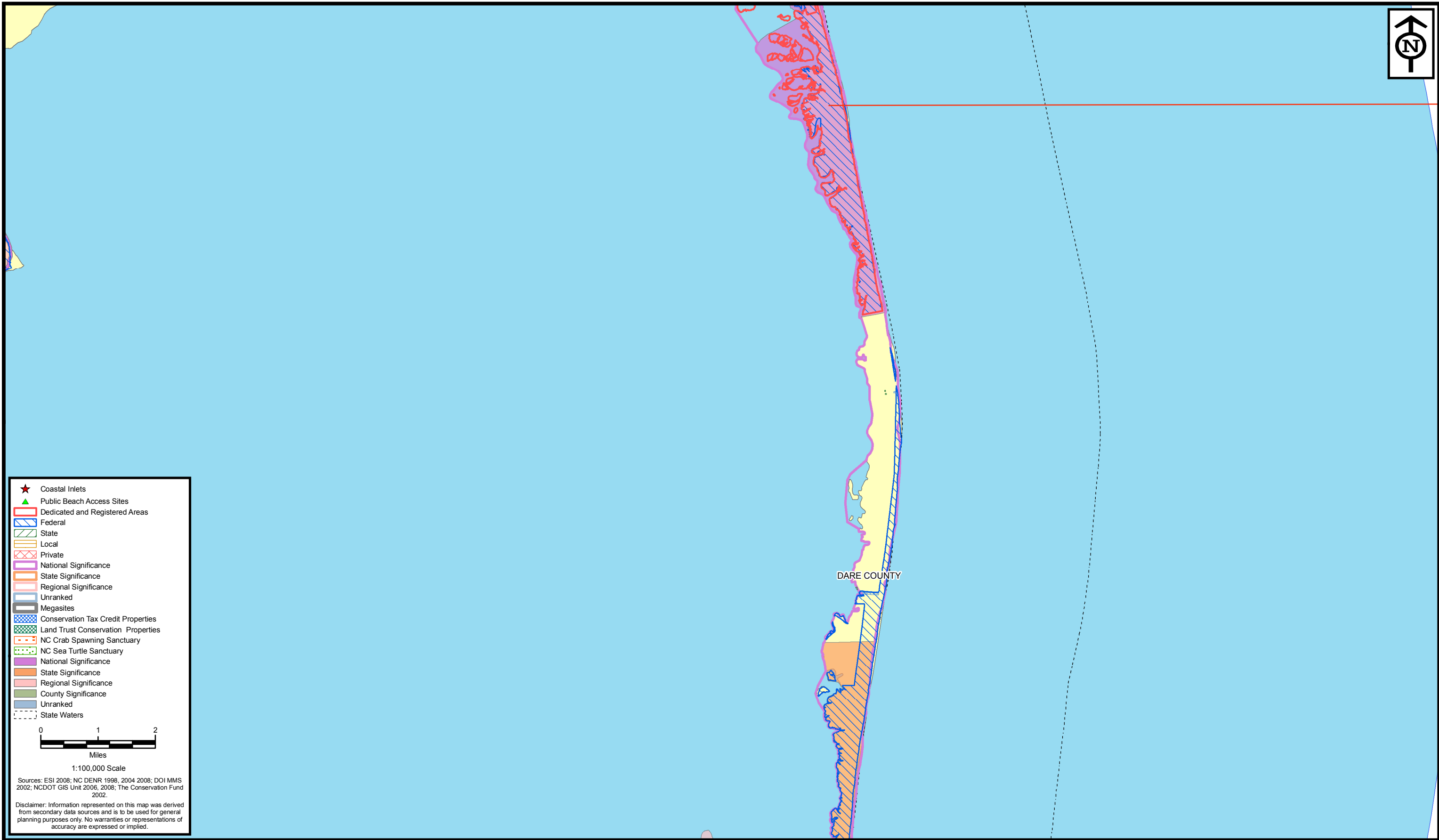


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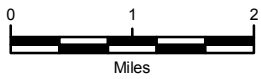
Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
Sheet 17  
Region 4a



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▨ Federal
- ▨ State
- ▨ Local
- ▨ Private
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ Unranked
- ▨ Megsites
- ▨ Conservation Tax Credit Properties
- ▨ Land Trust Conservation Properties
- ▨ NC Crab Spawning Sanctuary
- ▨ NC Sea Turtle Sanctuary
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ County Significance
- ▨ Unranked
- ▨ State Waters



1:100,000 Scale

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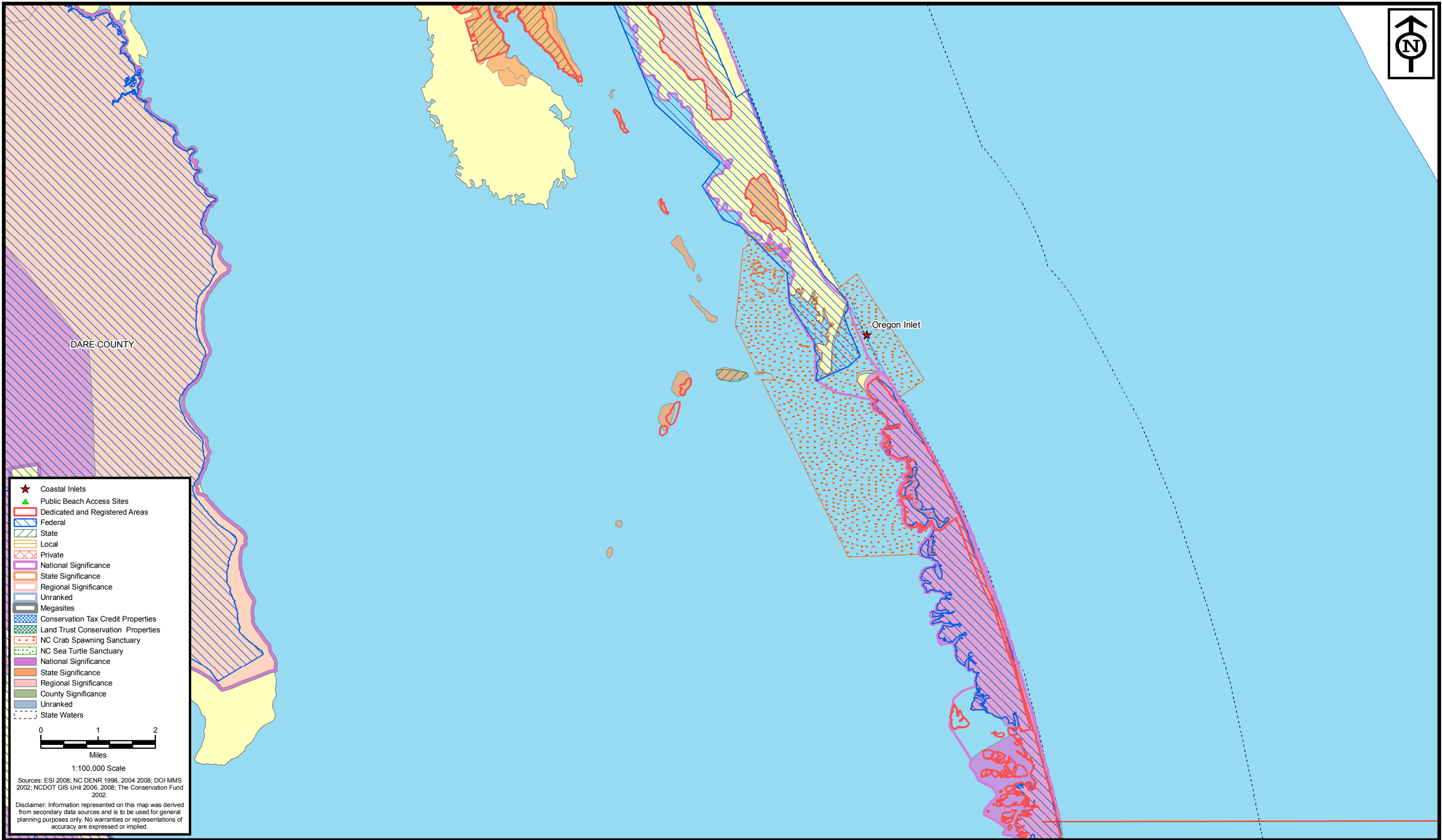


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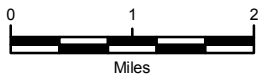
Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
Sheet 18  
Region 4a



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▨ Federal
- ▨ State
- ▨ Local
- ▨ Private
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ Unranked
- ▨ Megasites
- ▨ Conservation Tax Credit Properties
- ▨ Land Trust Conservation Properties
- ▨ NC Crab Spawning Sanctuary
- ▨ NC Sea Turtle Sanctuary
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ County Significance
- ▨ Unranked
- - - State Waters



1:100,000 Scale

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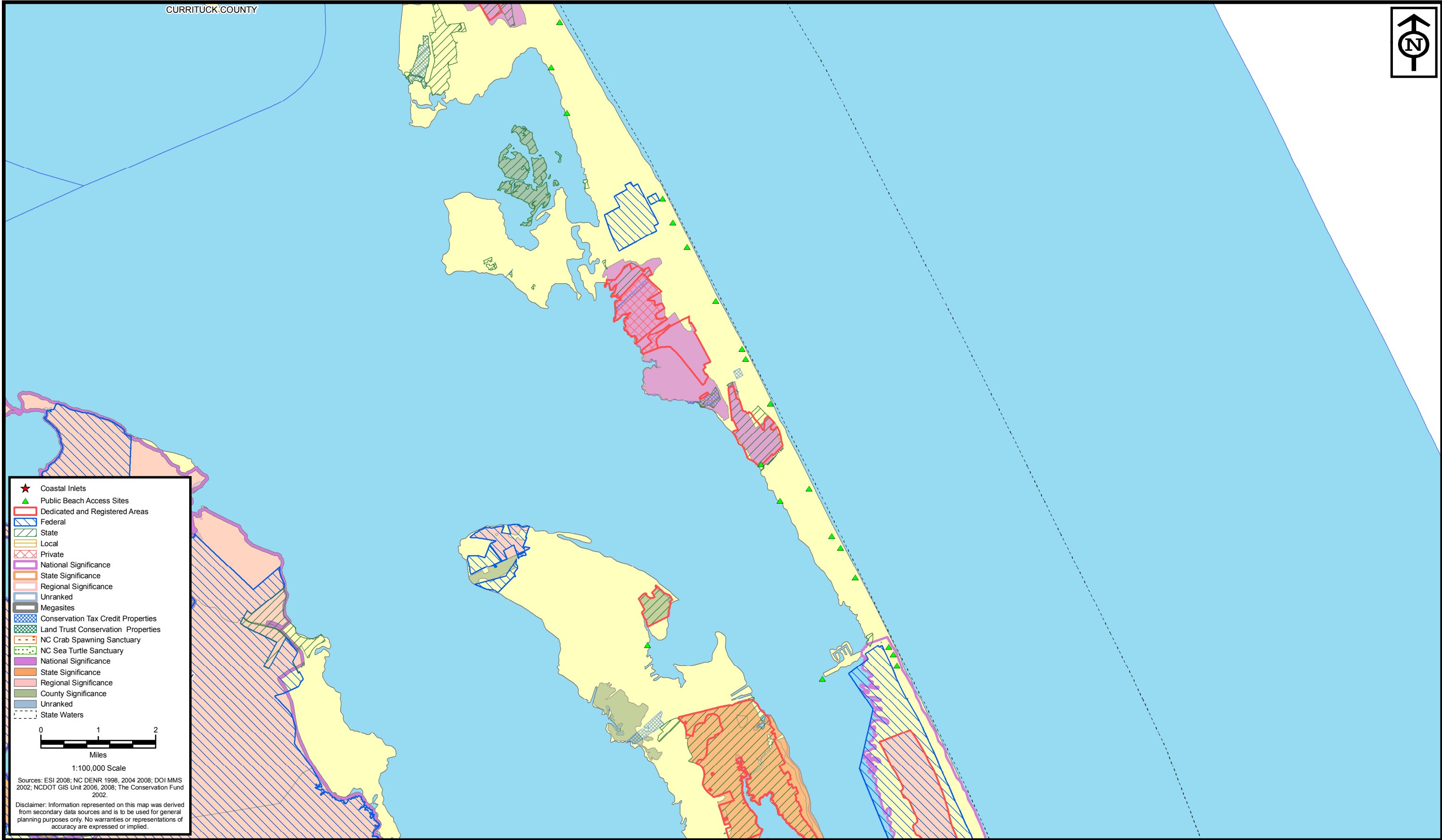


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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
Sheet 19  
Region 4b



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▨ Federal
- ▧ State
- ▩ Local
- Private
- ▤ National Significance
- ▥ State Significance
- ▦ Regional Significance
- ▧ Unranked
- ▨ Megasites
- ▩ Conservation Tax Credit Properties
- Land Trust Conservation Properties
- ▤ NC Crab Spawning Sanctuary
- ▥ NC Sea Turtle Sanctuary
- ▦ National Significance
- ▧ State Significance
- ▨ Regional Significance
- ▩ County Significance
- Unranked
- ▤ State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2004 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; The Conservation Fund 2002.

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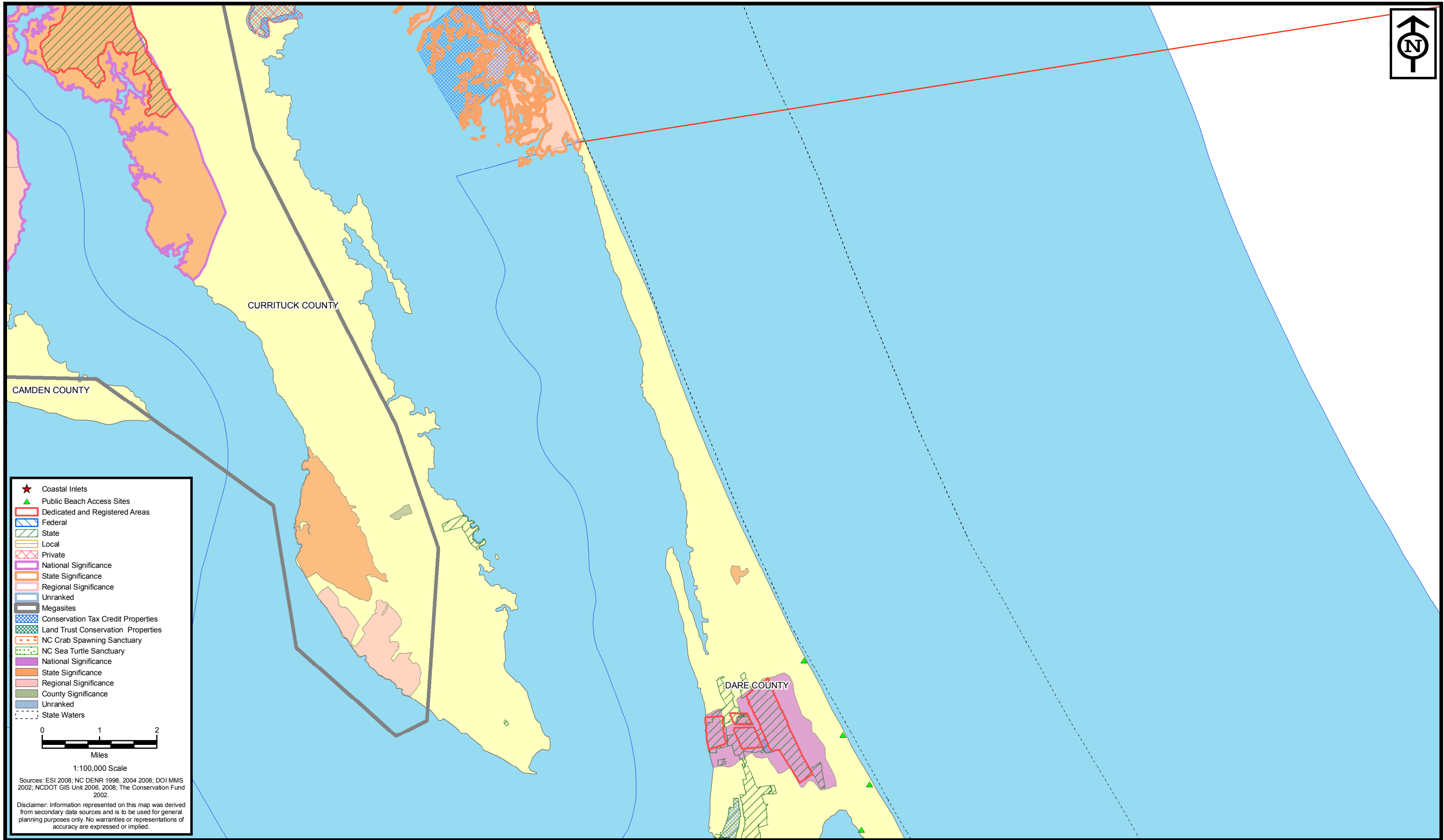
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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
Sheet 20  
Region 4b

**BIMP**  
N.C. Beach and Inlet Management Plan





★ Coastal Inlets  
 ▲ Public Beach Access Sites  
 [Red outline] Dedicated and Registered Areas  
 [Blue diagonal lines] Federal  
 [Green diagonal lines] State  
 [Yellow diagonal lines] Local  
 [Pink diagonal lines] Private  
 [Purple outline] National Significance  
 [Orange outline] State Significance  
 [Light pink outline] Regional Significance  
 [Grey outline] Unranked  
 [Thick grey outline] Megsites  
 [Blue checkered pattern] Conservation Tax Credit Properties  
 [Green checkered pattern] Land Trust Conservation Properties  
 [Red dashed outline] NC Crab Spawning Sanctuary  
 [Green dotted outline] NC Sea Turtle Sanctuary  
 [Purple solid fill] National Significance  
 [Orange solid fill] State Significance  
 [Light pink solid fill] Regional Significance  
 [Green solid fill] County Significance  
 [Grey solid fill] Unranked  
 [Dashed line] State Waters

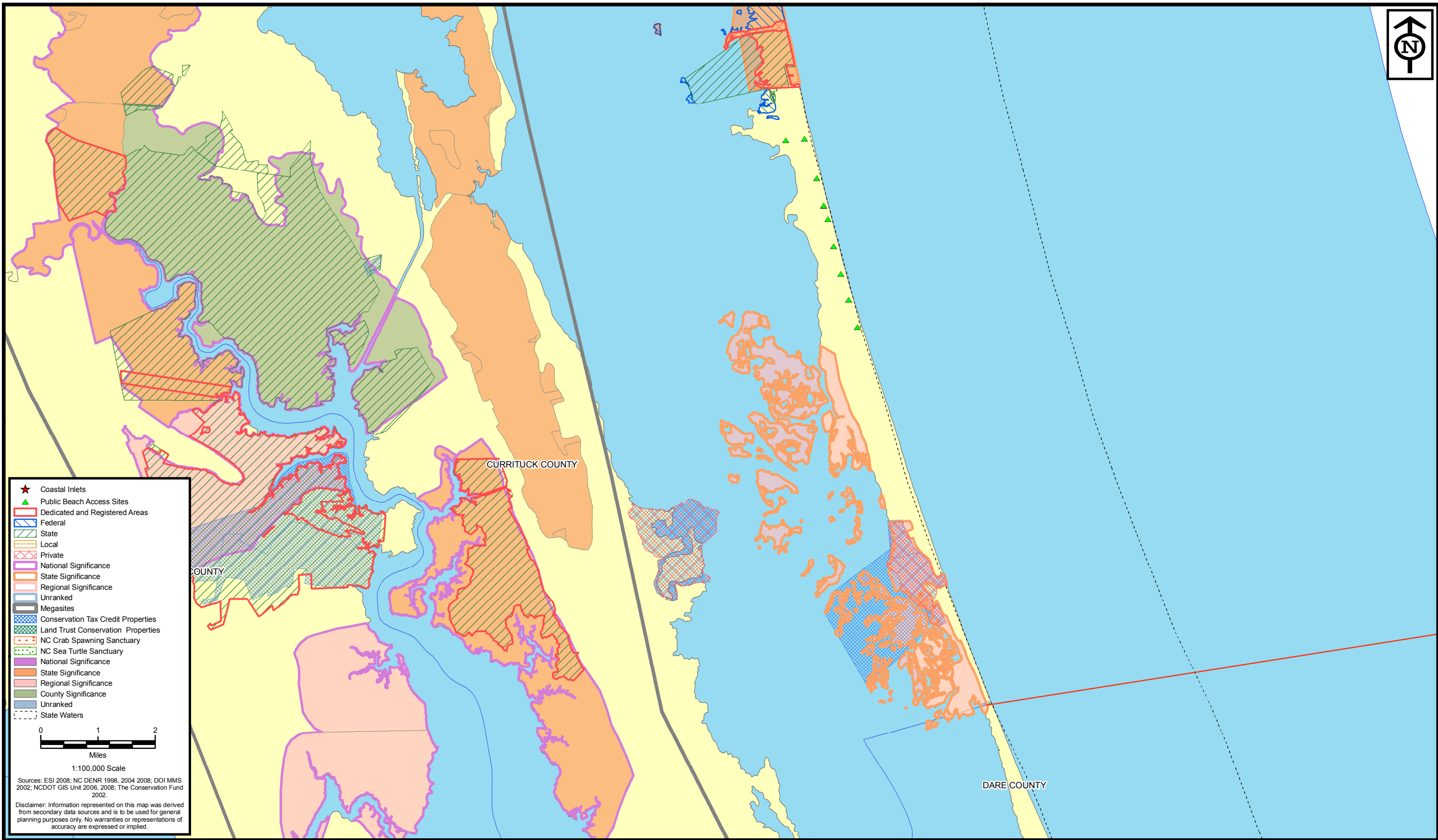
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 Miles  
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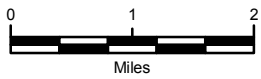
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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 21  
 Region 4b

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- ▭ Dedicated and Registered Areas
- ▨ Federal
- ▨ State
- ▨ Local
- ▨ Private
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ Unranked
- ▨ Megasilites
- ▨ Conservation Tax Credit Properties
- ▨ Land Trust Conservation Properties
- ▨ NC Crab Spawning Sanctuary
- ▨ NC Sea Turtle Sanctuary
- ▨ National Significance
- ▨ State Significance
- ▨ Regional Significance
- ▨ County Significance
- ▨ Unranked
- ▨ State Waters



1:100,000 Scale

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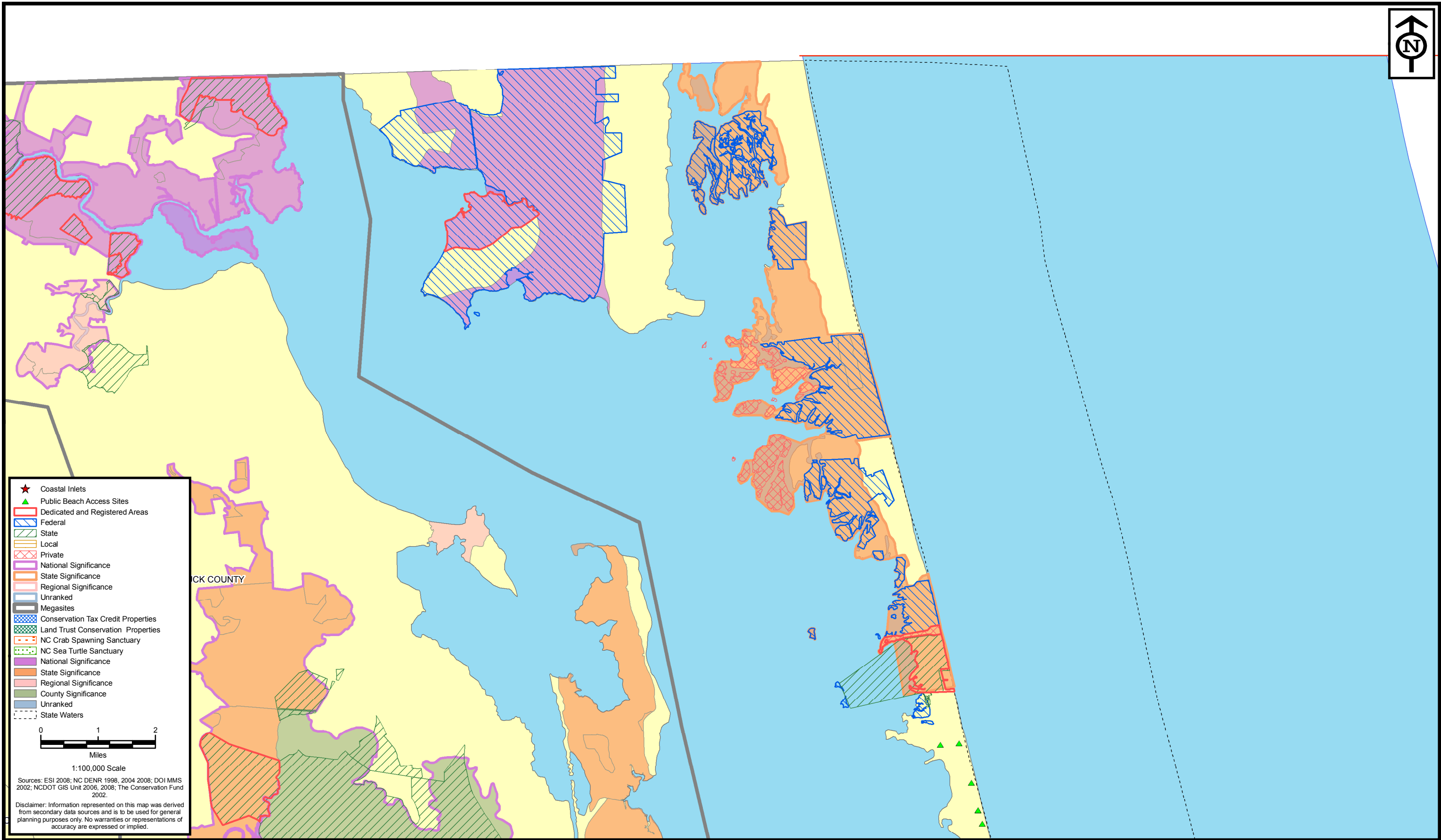


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Critical Wildlife Habitats  
**North Carolina Beach and Inlet Management Plan**  
Sheet 22  
Region 4c



**BIMP**  
N.C. Beach and Inlet Management Plan



WICK COUNTY

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Critical Wildlife Habitats

**North Carolina Beach and Inlet Management Plan**

Sheet 23  
Region 4c

**BIMP**  
N.C. Beach and Inlet Management Plan

# Protected Species



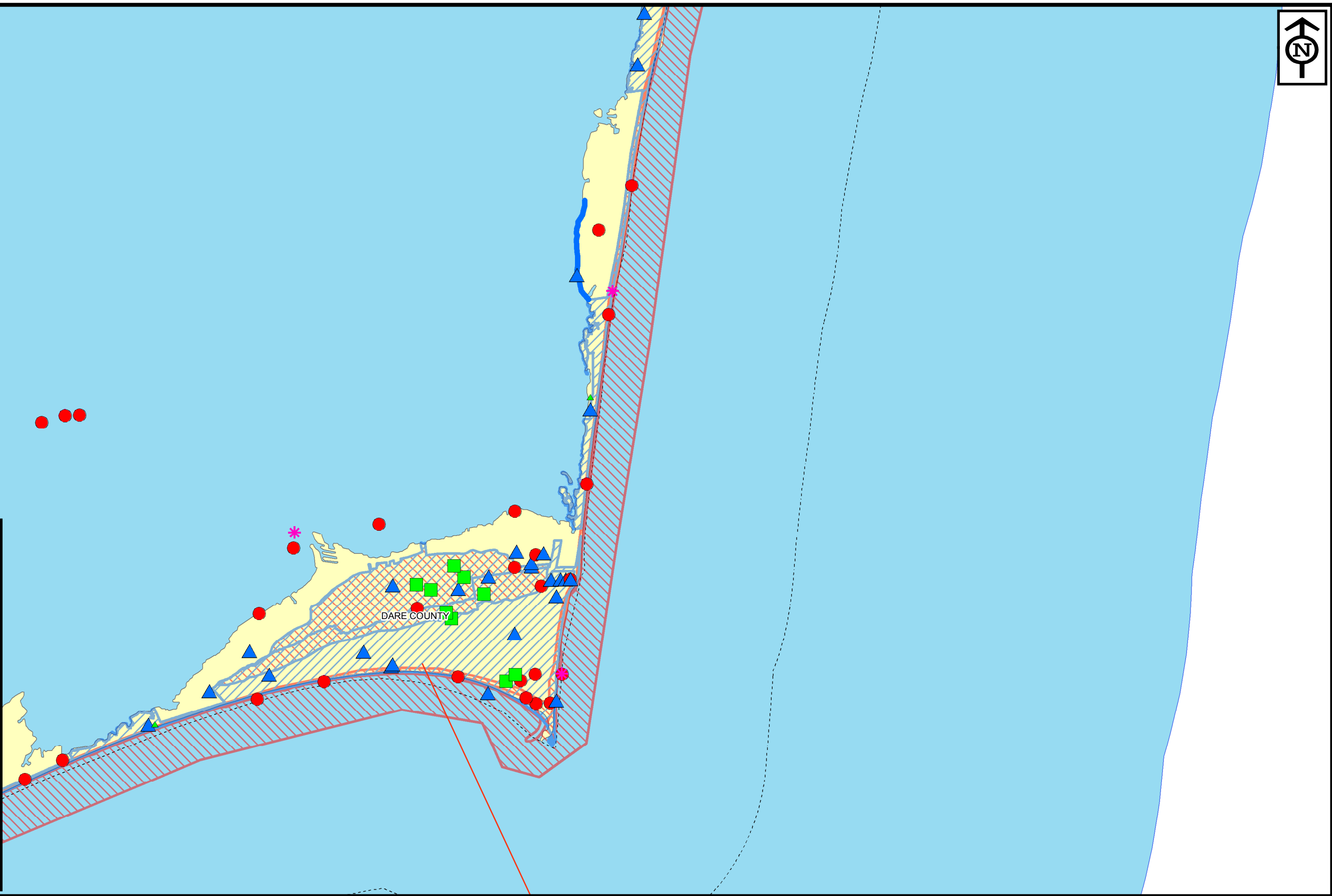
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- Public Beach Access Sites
- Colonial Waterbird Habitat Islands
- Fish Community Sampling Sites
- Plant
- Animal
- Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- Plant Area
- Animal Area
- Animal Assemblage
- Natural Community
- State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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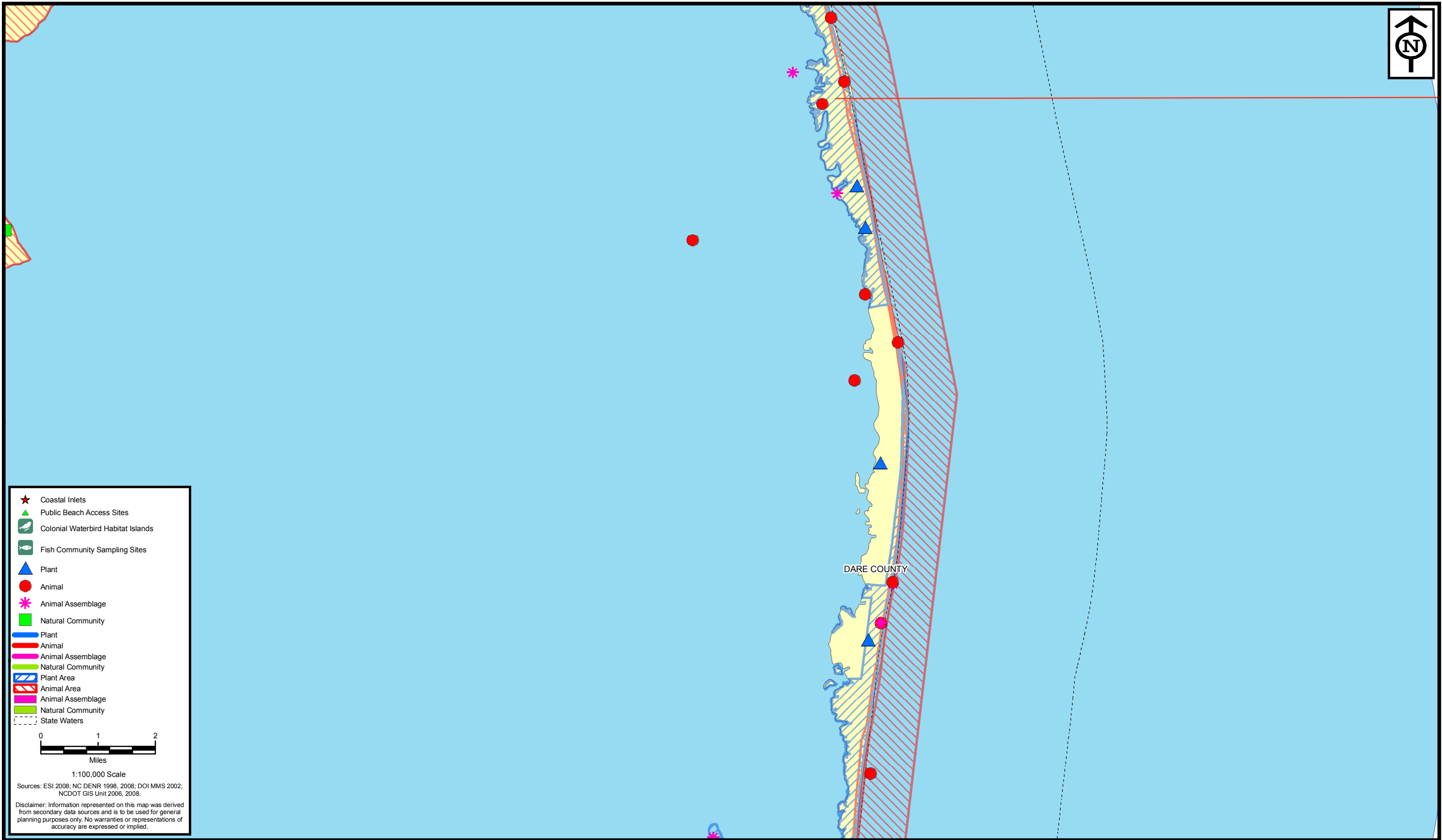


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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 16  
Region 4a

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🐦 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- \* Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

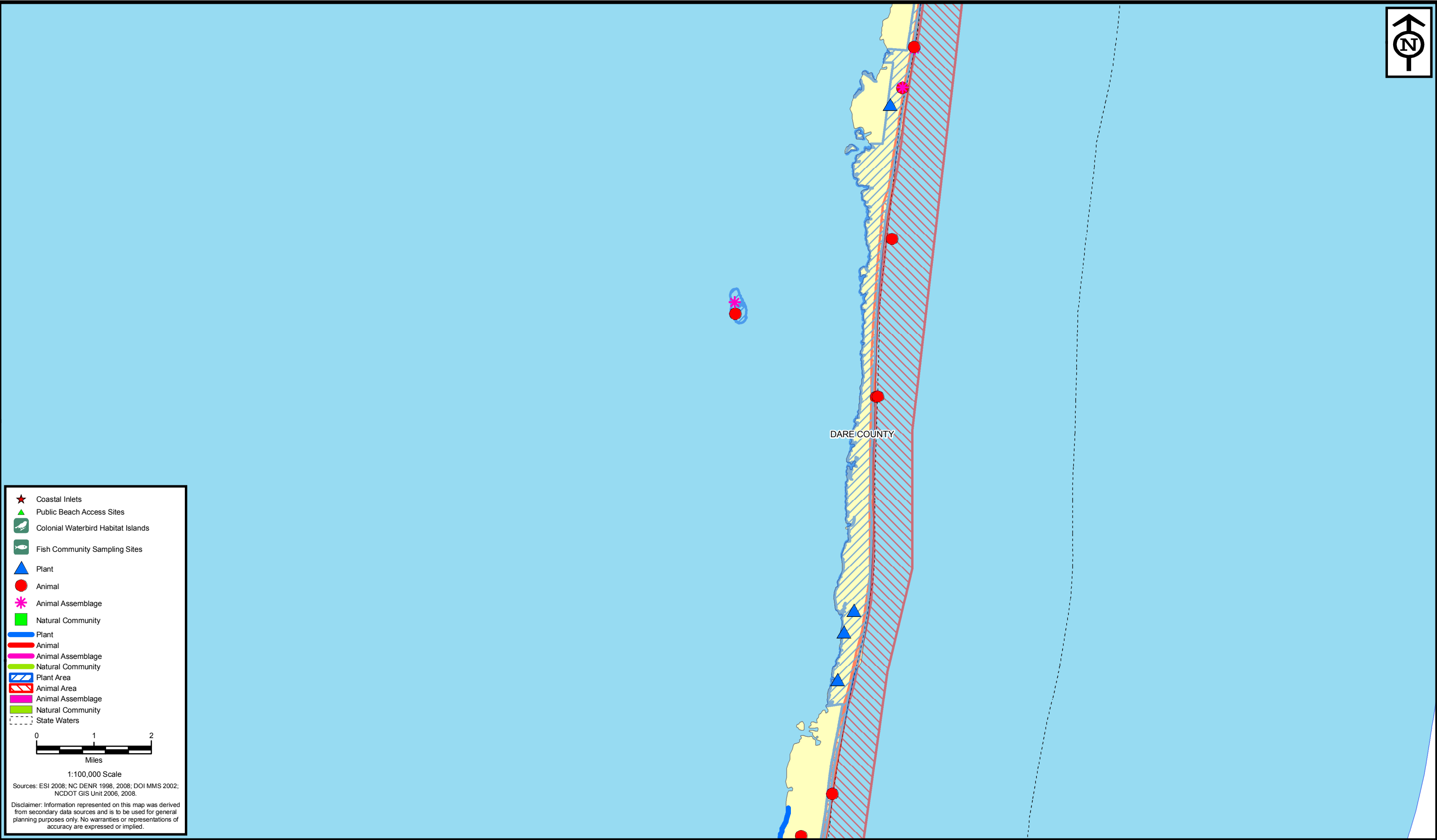
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 18  
 Region 4a

**BIMP**  
 N.C. Beach and Inlet Management Plan



- Coastal Inlets
- Public Beach Access Sites
- Colonial Waterbird Habitat Islands
- Fish Community Sampling Sites
- Plant
- Animal
- Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- Plant Area
- Animal Area
- Animal Assemblage
- Natural Community
- State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

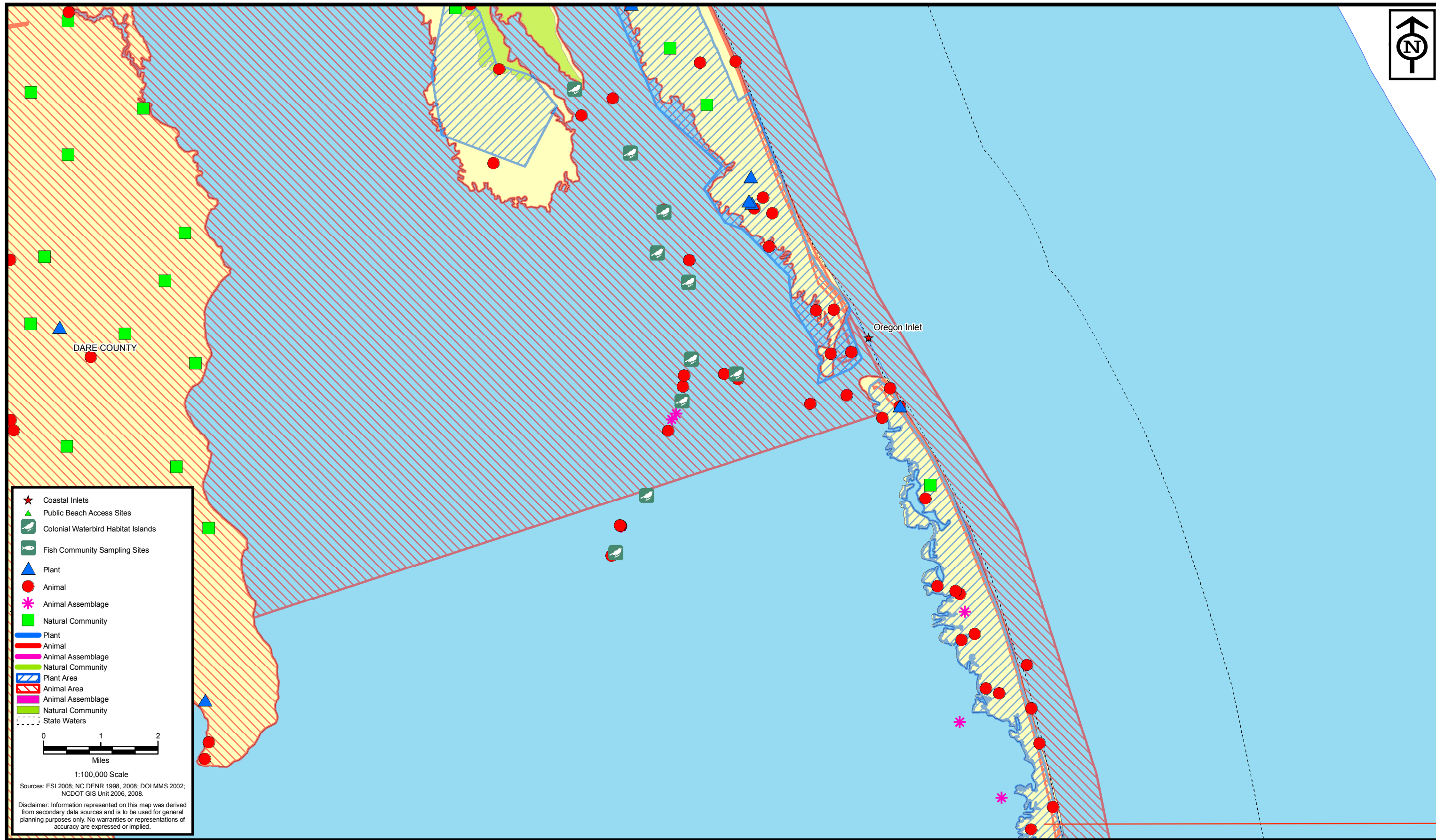
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 17  
Region 4a

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🐦 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳️ Animal Assemblage
- Natural Community
- ▬ Plant
- ▬ Animal
- ✳️ Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ✳️ Animal Assemblage
- Natural Community
- - - State Waters

0 1 2  
Miles

1:100,000 Scale

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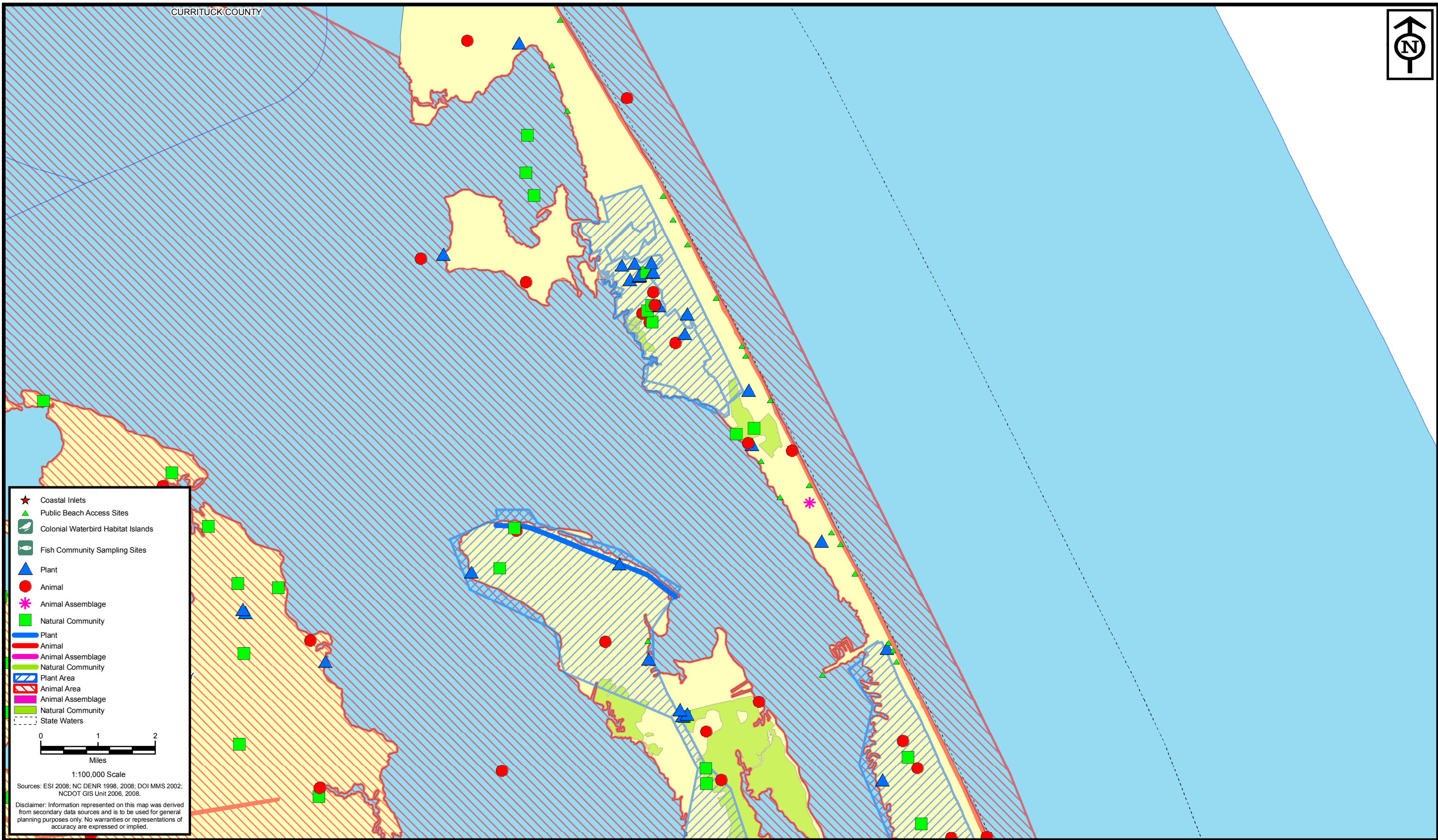
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 19  
Region 4b

**BIMP**  
N.C. Beach and Inlet Management Plan





- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🐦 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳ Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



1:100,000 Scale

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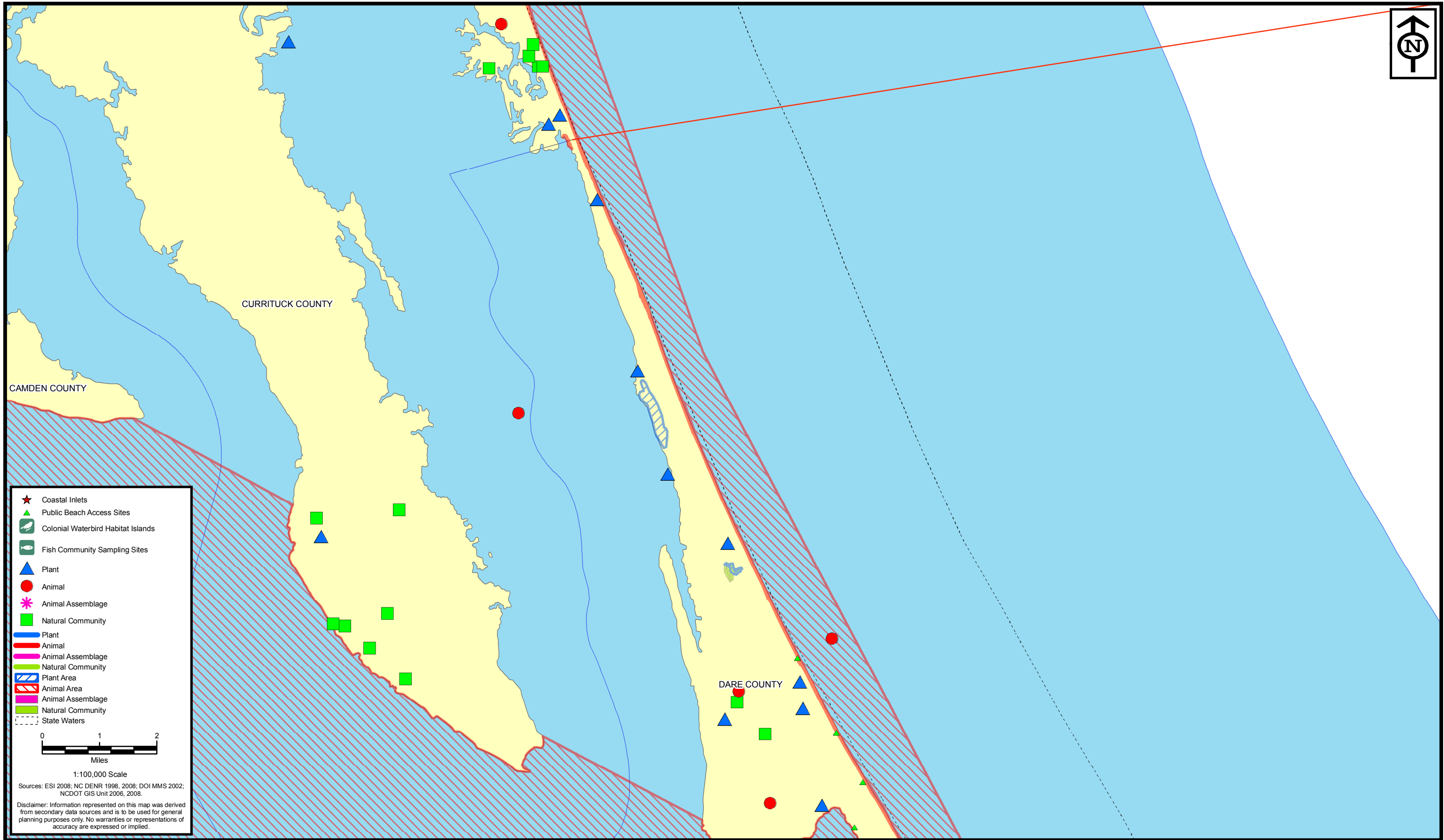


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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 20  
Region 4b



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Colonial Waterbird Habitat Islands
- Fish Community Sampling Sites
- ▲ Plant
- Animal
- \* Animal Assemblage
- Natural Community
- ▨ Plant
- ▨ Animal
- ▨ Animal Assemblage
- ▨ Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



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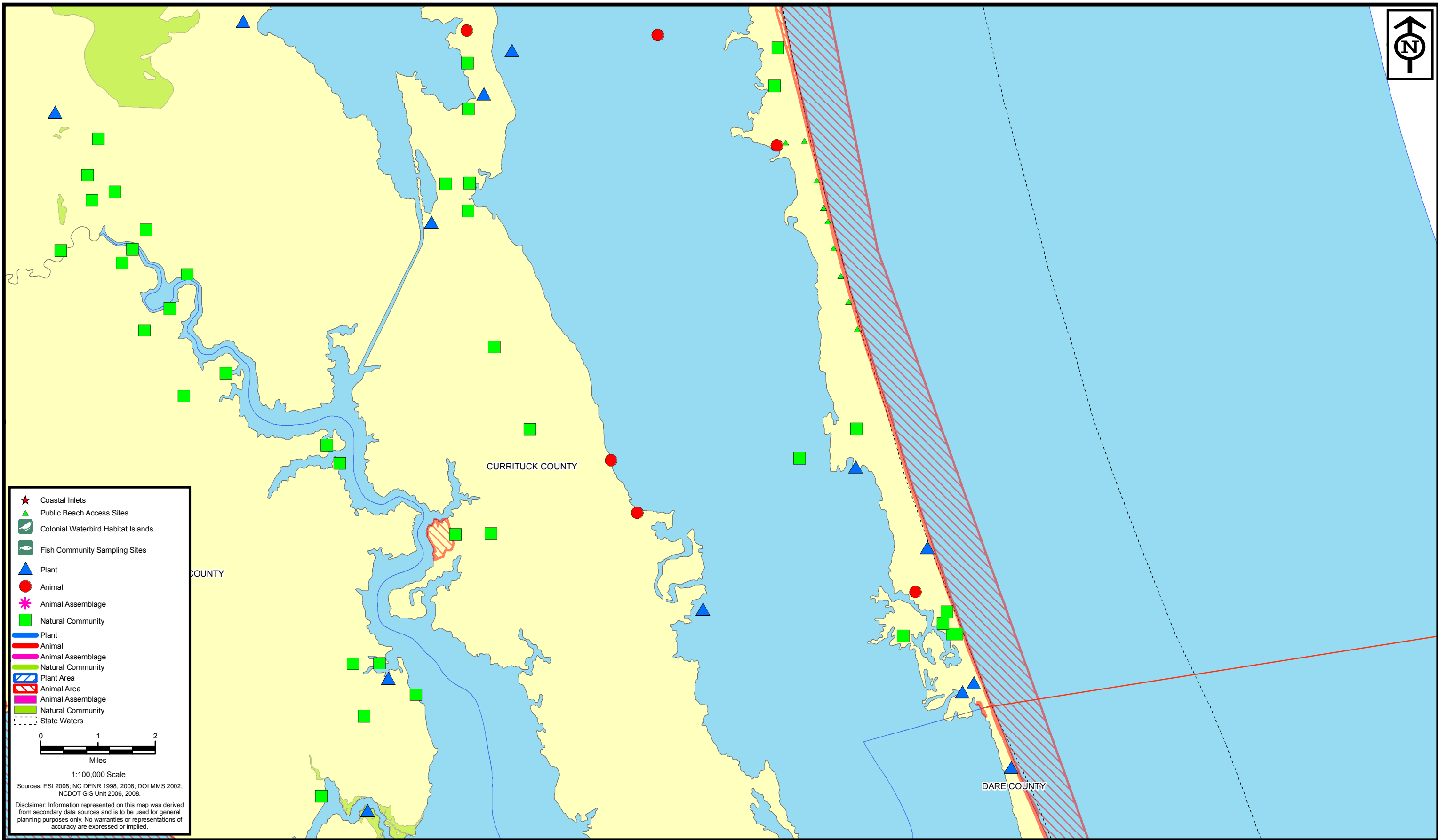


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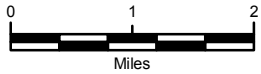
Protected Species  
**North Carolina Beach and Inlet Management Plan**  
Sheet 21  
Region 4b



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- 🐦 Colonial Waterbird Habitat Islands
- 🐟 Fish Community Sampling Sites
- ▲ Plant
- Animal
- ✳ Animal Assemblage
- Natural Community
- Plant
- Animal
- Animal Assemblage
- Natural Community
- ▨ Plant Area
- ▨ Animal Area
- ▨ Animal Assemblage
- ▨ Natural Community
- - - State Waters



1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

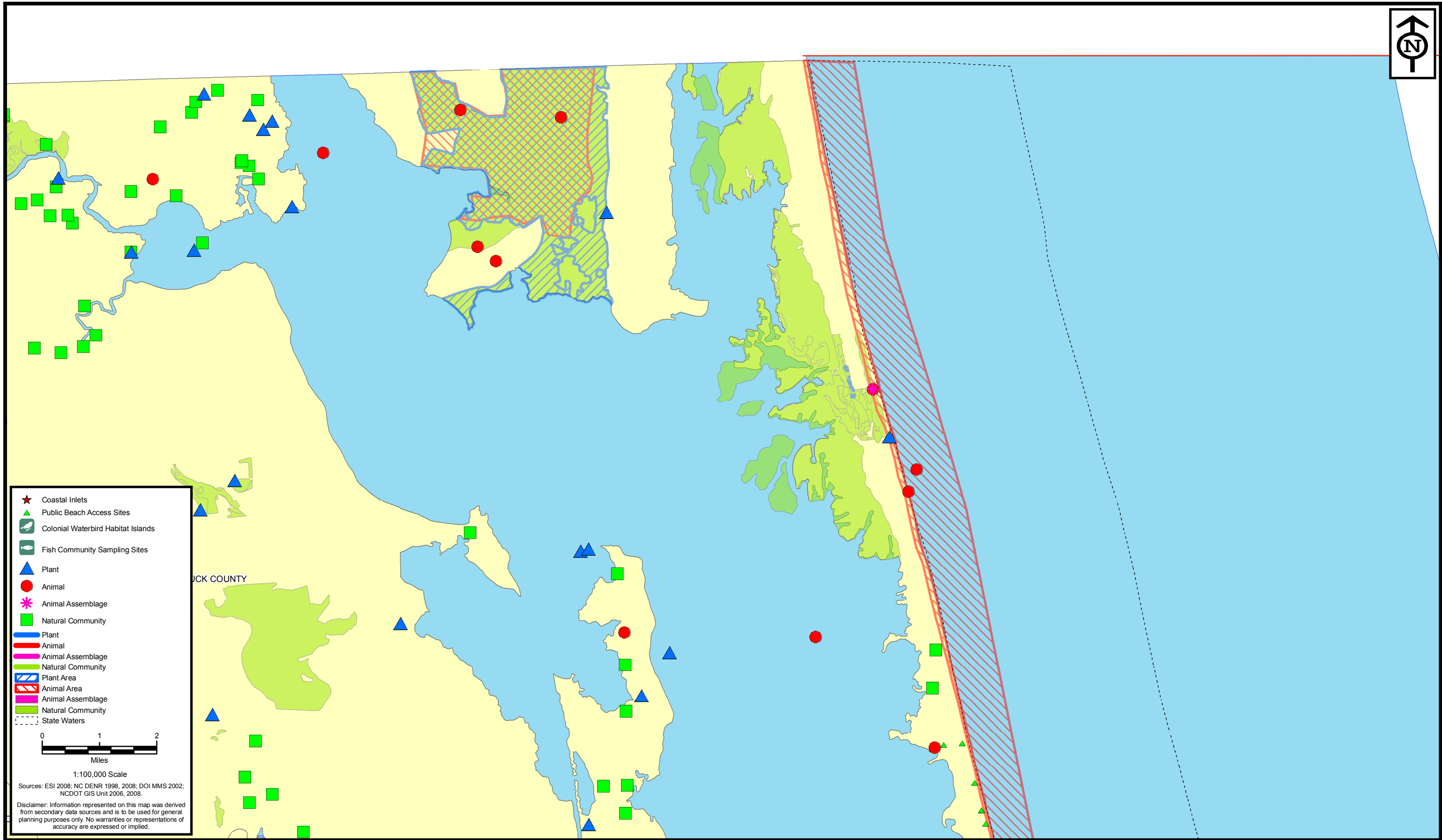
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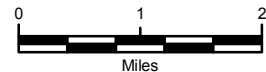
**MOFFATT & NICHOL**

Protected Species  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 22  
 Region 4c

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Colonial Waterbird Habitat Islands
- Fish Community Sampling Sites
- ▲ Plant
- Animal
- ★ Animal Assemblage
- Natural Community
- ▲ Plant
- Animal
- ★ Animal Assemblage
- Natural Community
- ▲ Plant Area
- Animal Area
- ★ Animal Assemblage
- Natural Community
- - - State Waters



1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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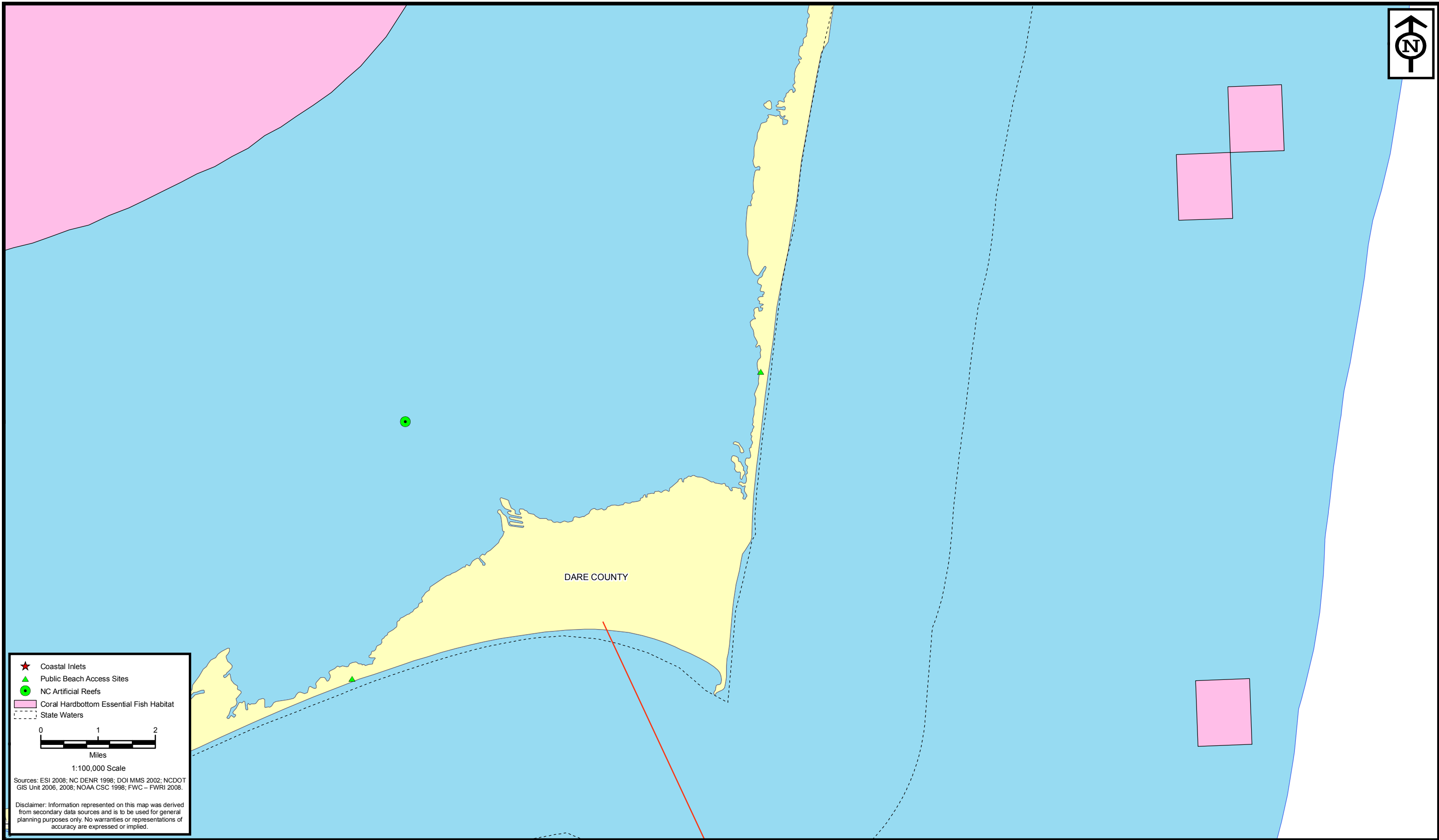
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Protected Species  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 23  
 Region 4c

**BIMP**  
 N.C. Beach and Inlet Management Plan

Hard Bottom



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

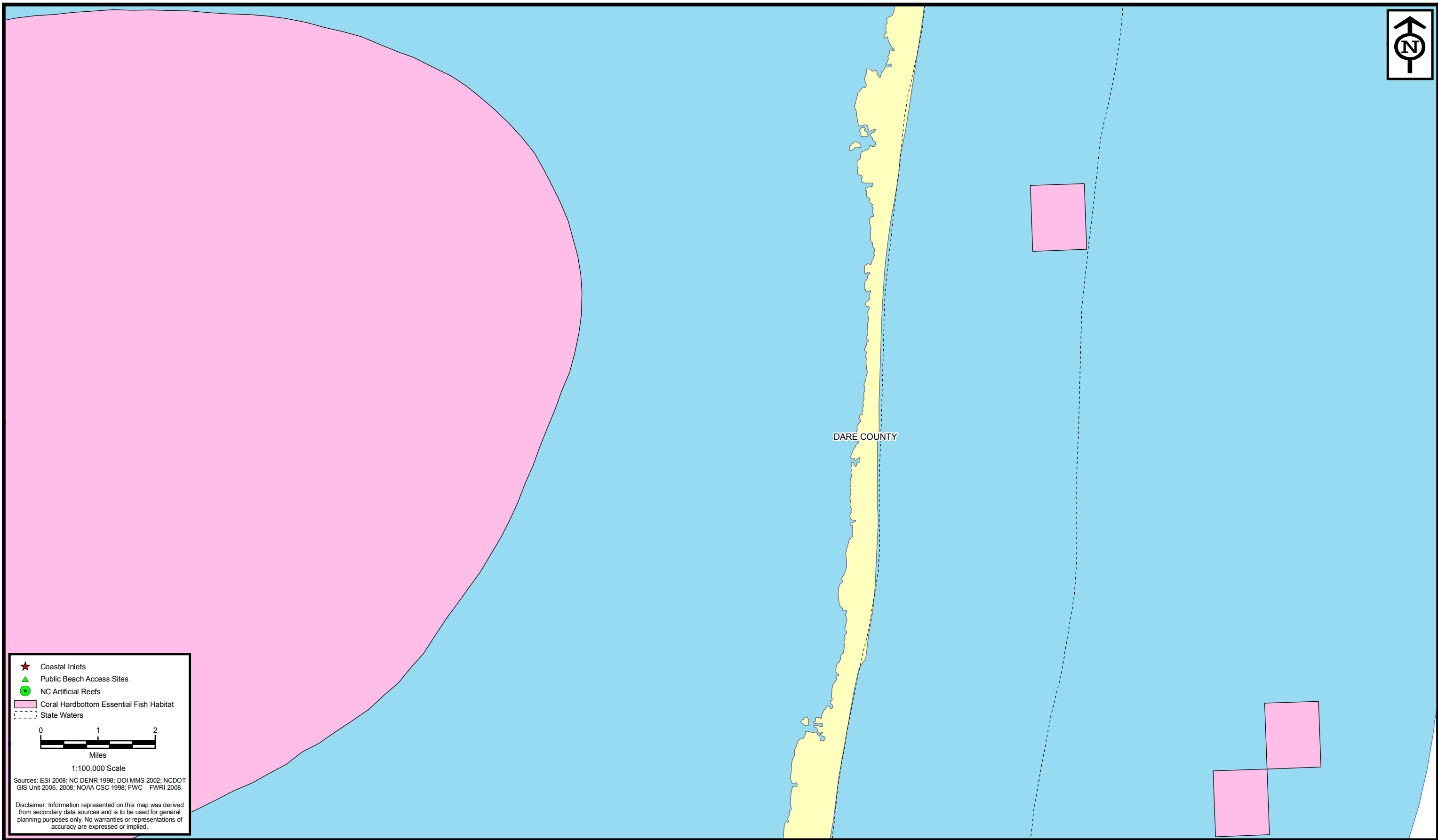
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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 16  
Region 4a

**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles

1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWR1 2008.

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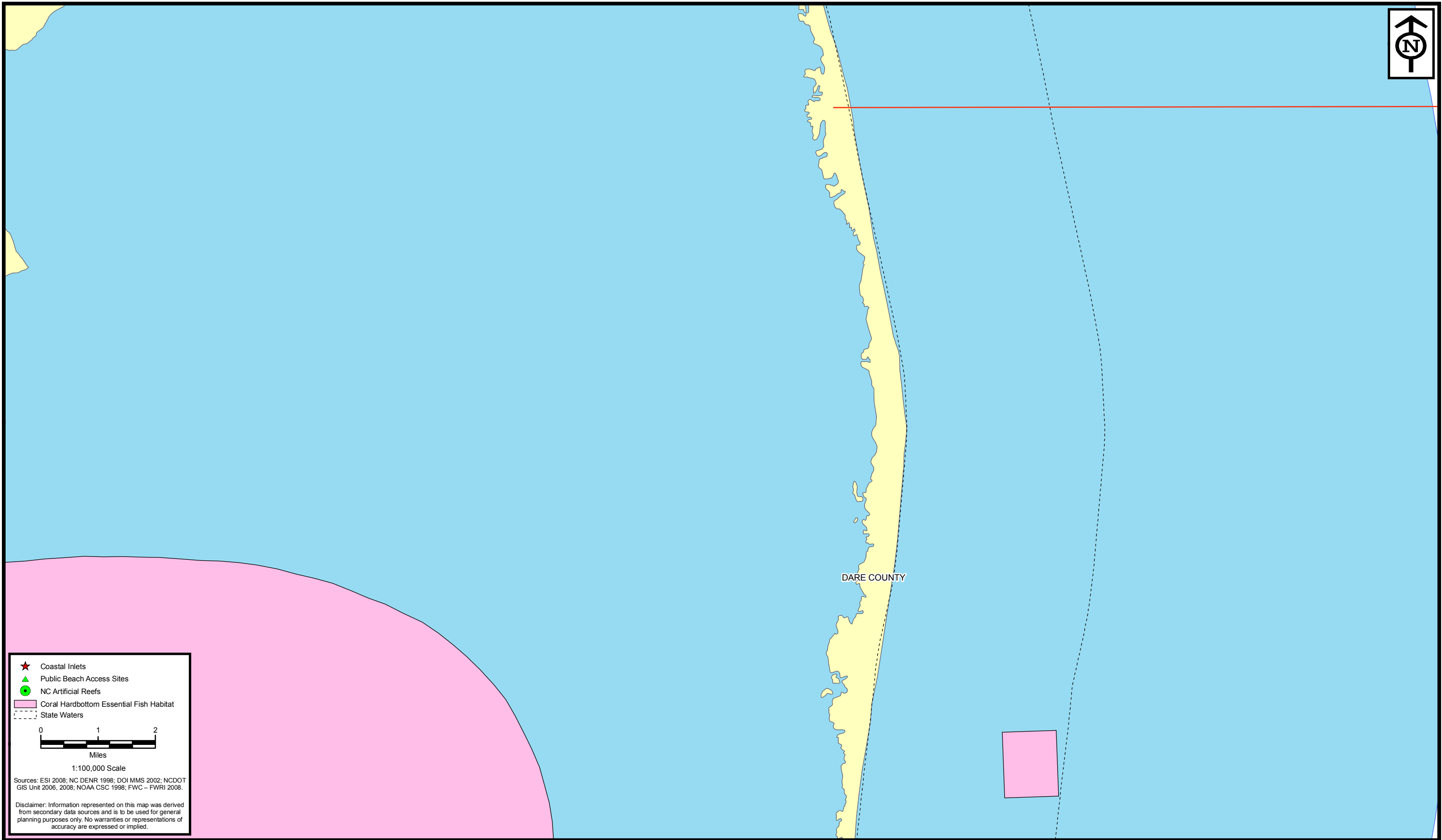


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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 17  
Region 4a



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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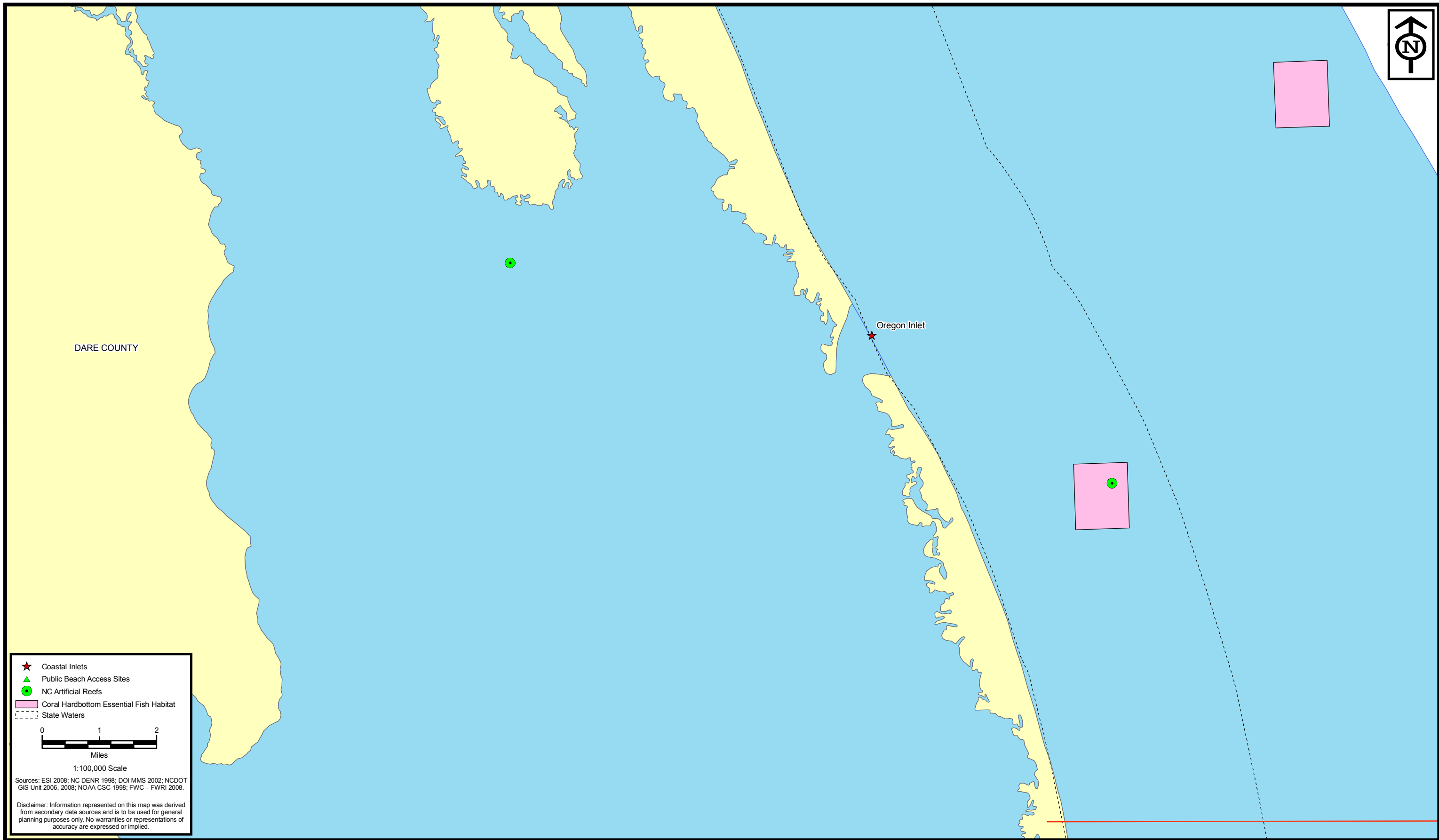
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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 18  
Region 4a



**BIMP**  
N.C. Beach and Inlet Management Plan





★ Coastal Inlets  
 ▲ Public Beach Access Sites  
 ● NC Artificial Reefs  
 ■ Coral Hardbottom Essential Fish Habitat  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

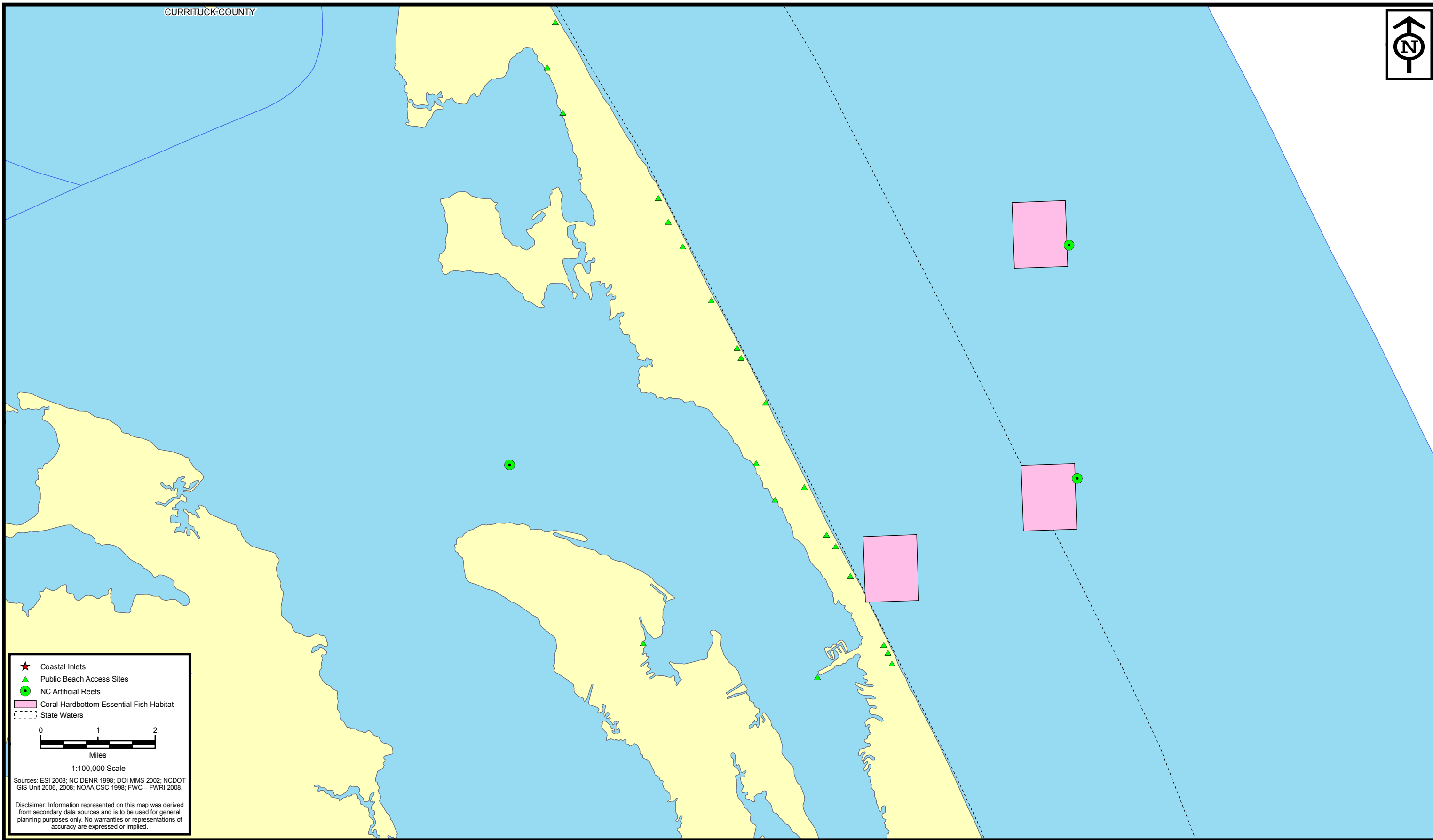
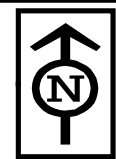
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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 19  
 Region 4b

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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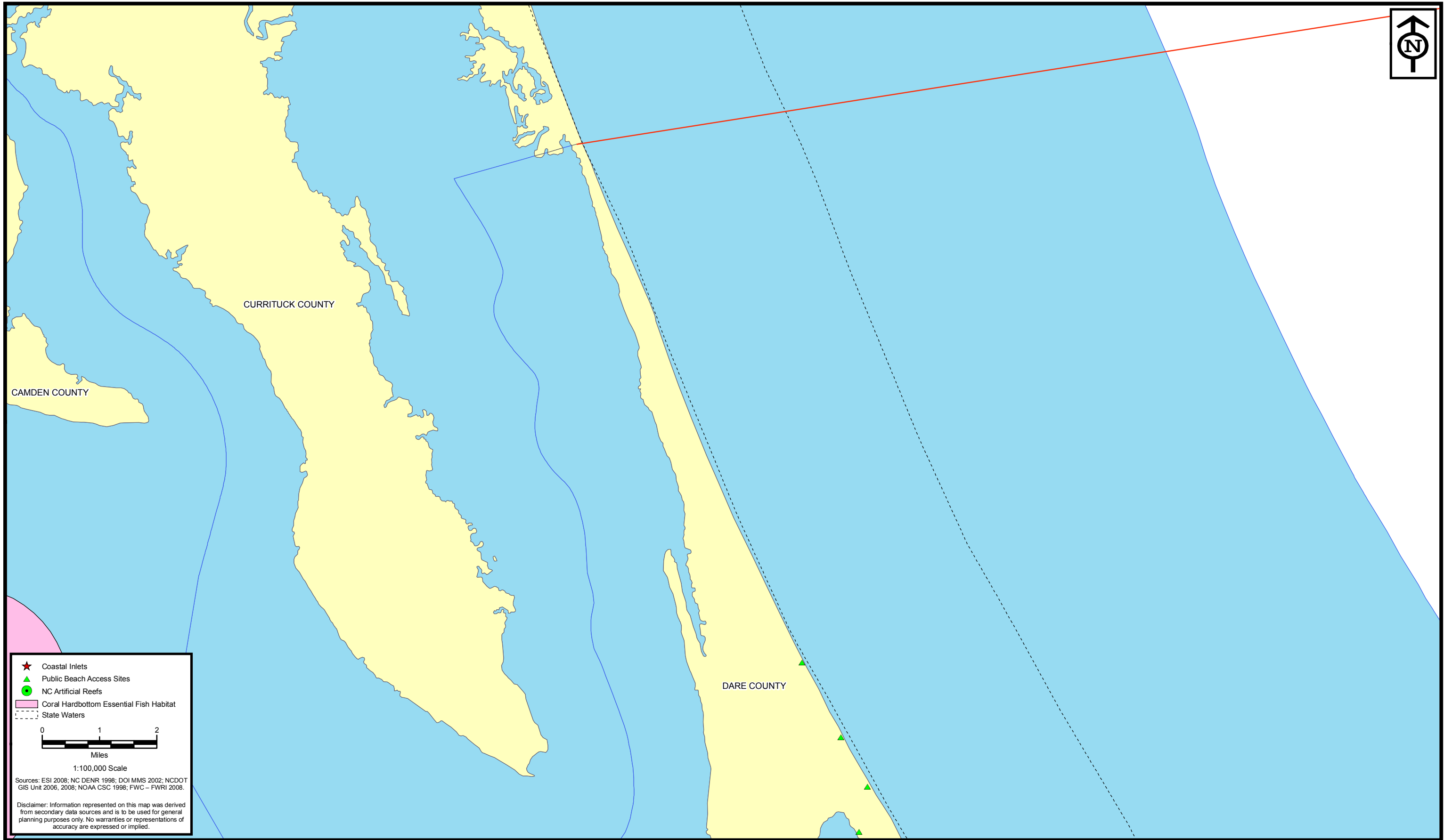


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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 20  
Region 4b



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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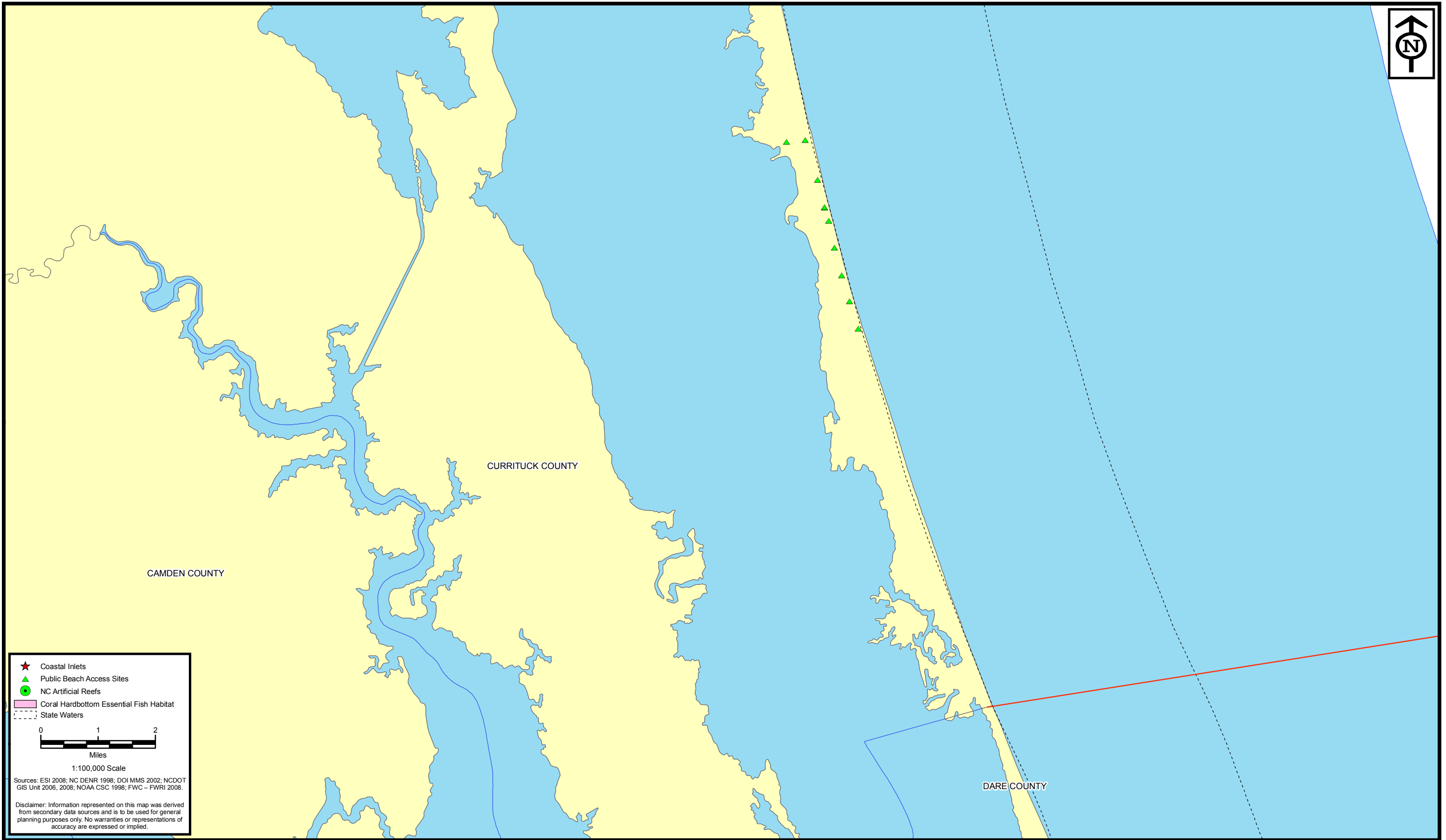


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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 21  
Region 4b



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWR1 2008.

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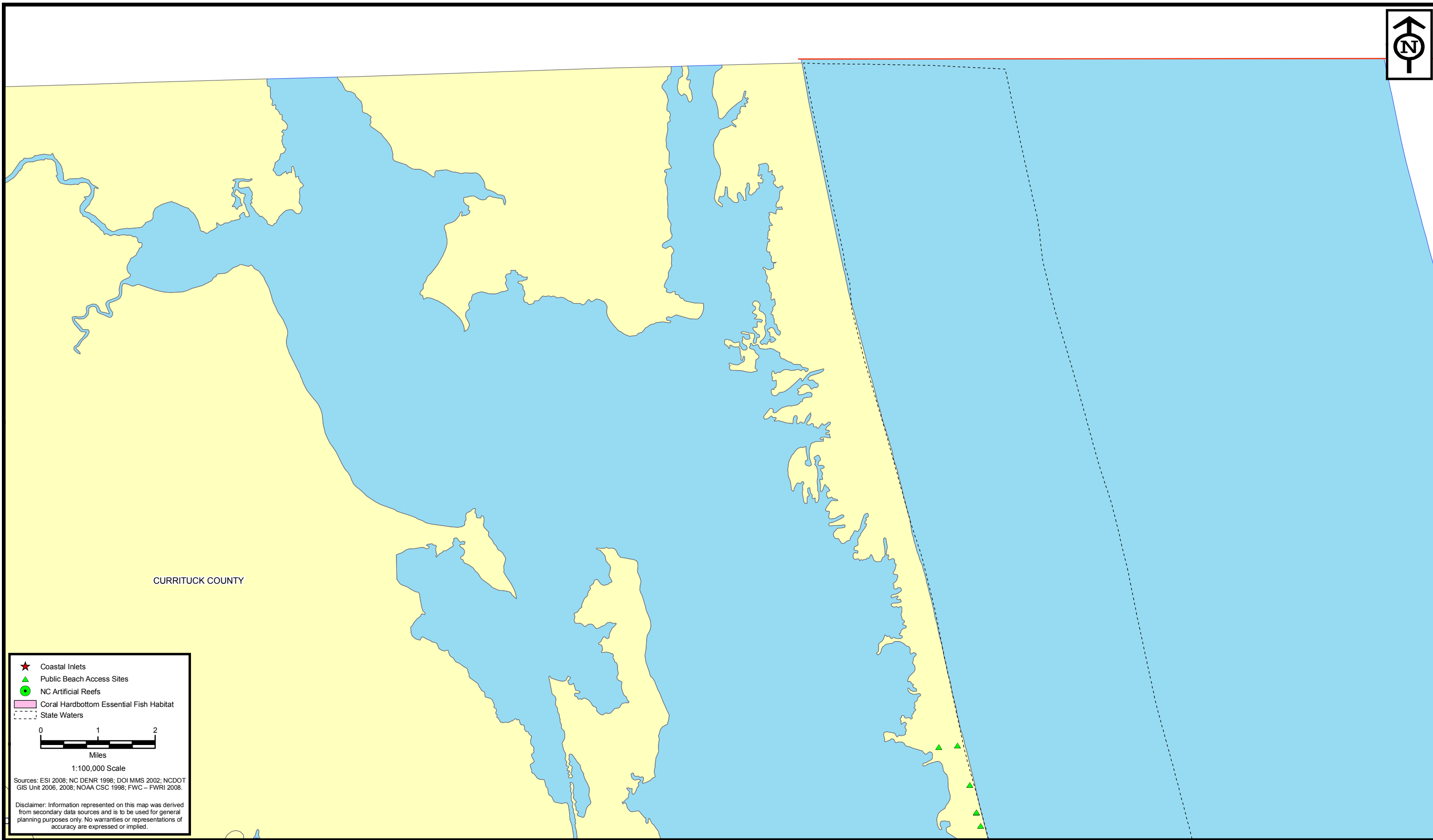


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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 22  
Region 4c



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- NC Artificial Reefs
- Coral Hardbottom Essential Fish Habitat
- - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NOAA CSC 1998; FWC - FWRI 2008.

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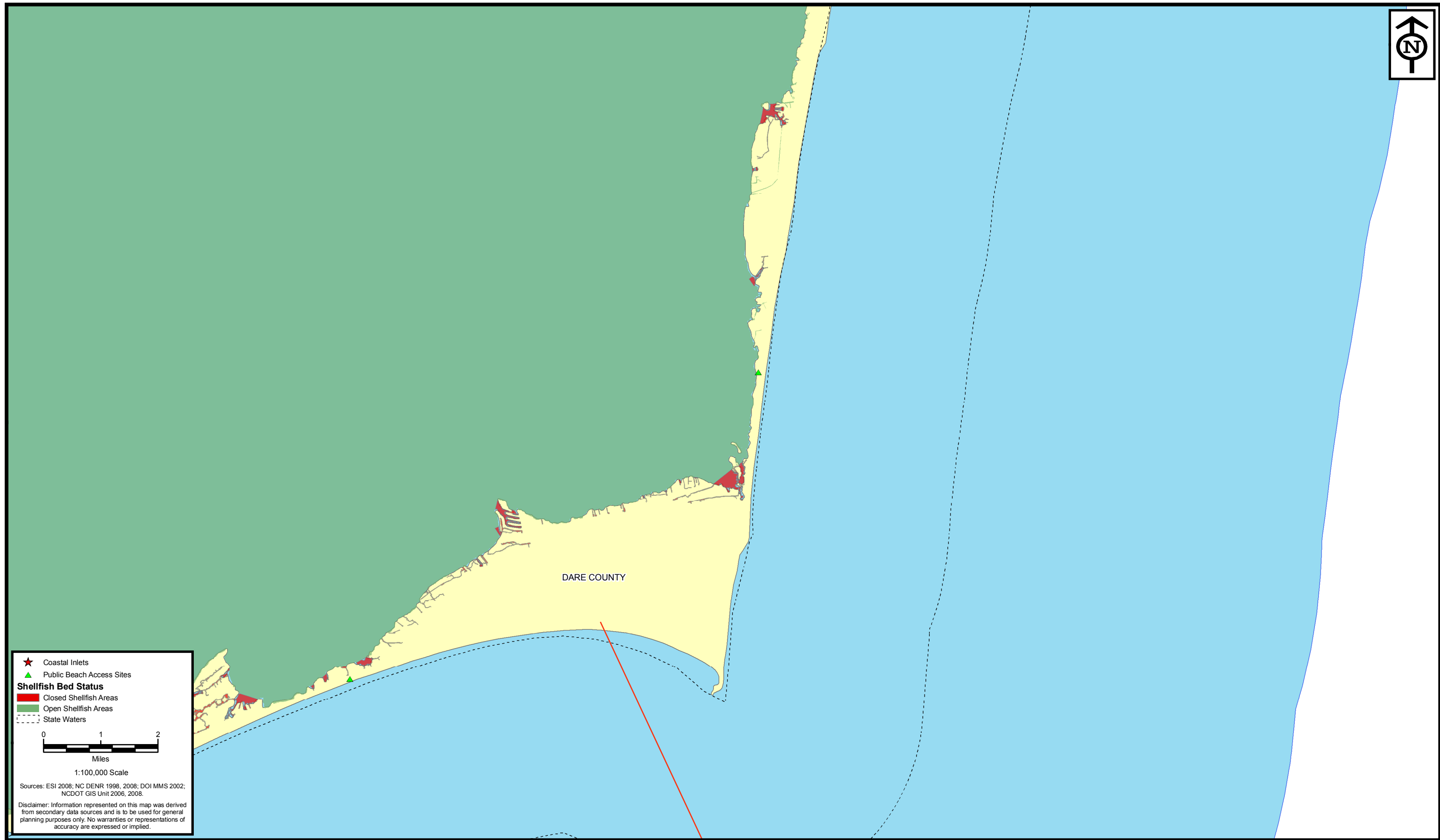
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Hard Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 23  
Region 4c



**BIMP**  
N.C. Beach and Inlet Management Plan

Shell Bottom



DARE COUNTY

★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

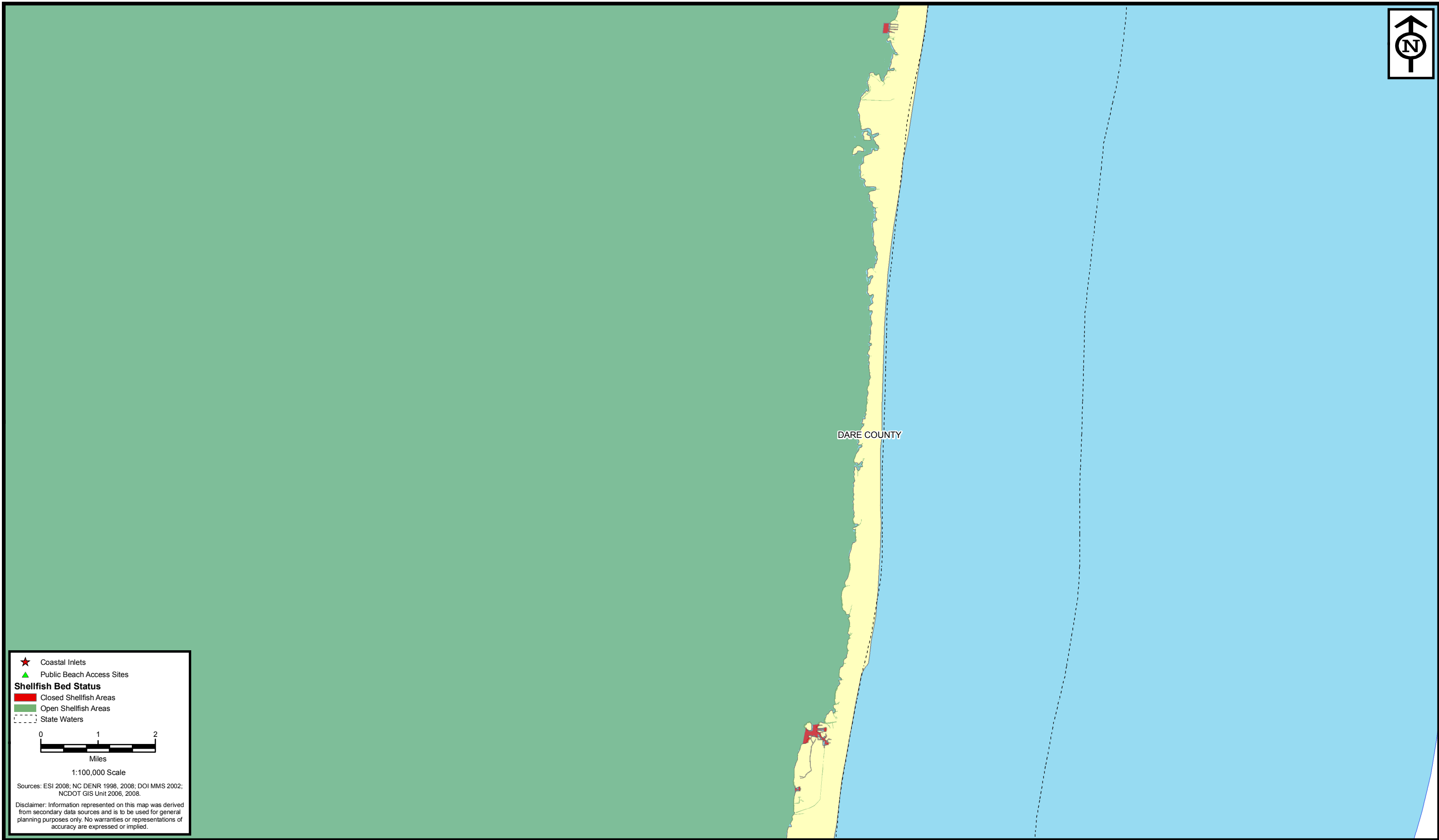
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 16  
 Region 4a

**BIMP**  
 N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**

■ Closed Shellfish Areas  
 ■ Open Shellfish Areas

--- State Waters

0 1 2  
 Miles

1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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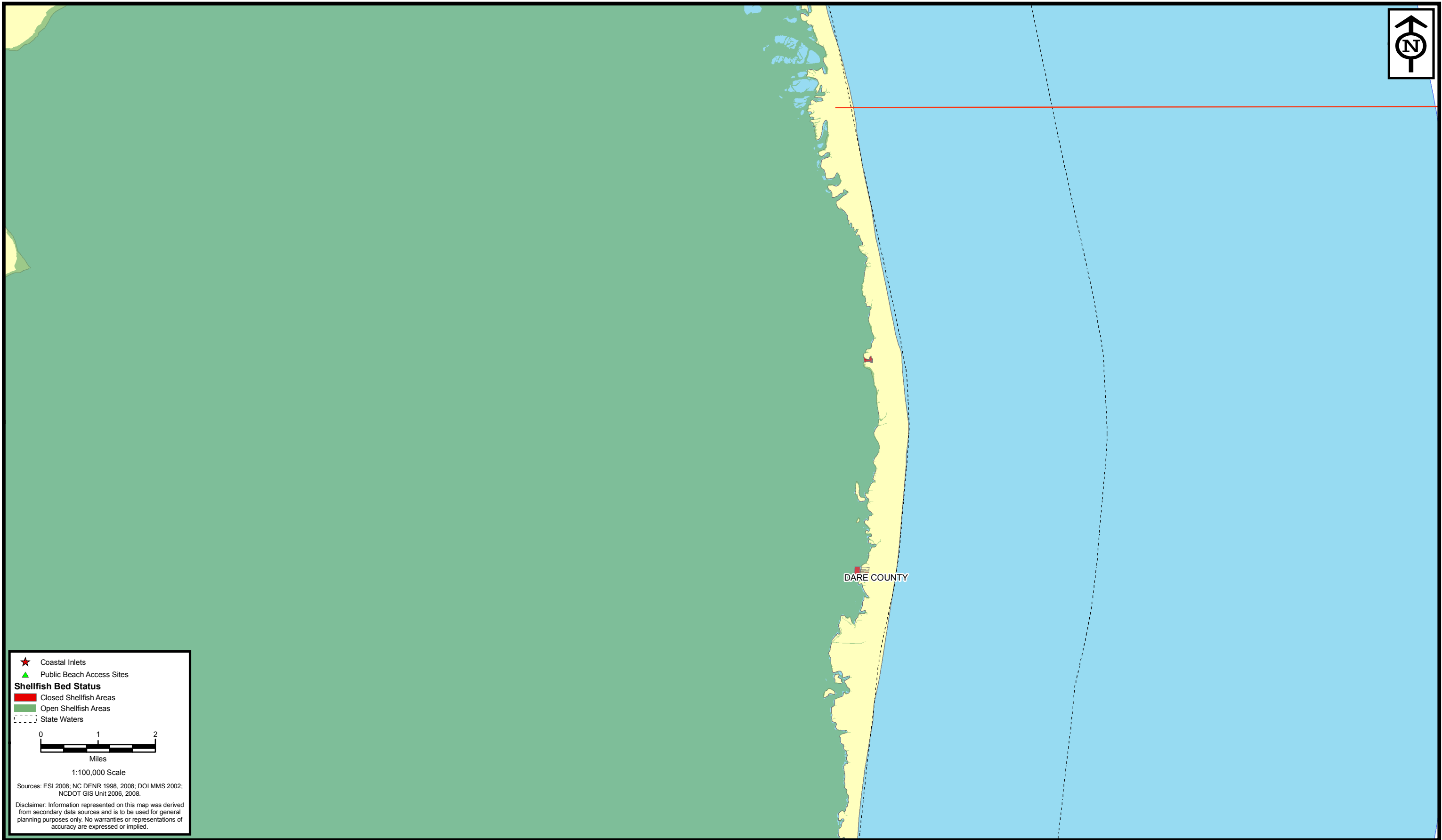
Shell Bottom

**North Carolina Beach and Inlet Management Plan**

Sheet 17  
 Region 4a

**BIMP**  
 N.C. Beach and Inlet Management Plan





★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**

■ Closed Shellfish Areas  
 ■ Open Shellfish Areas

--- State Waters

Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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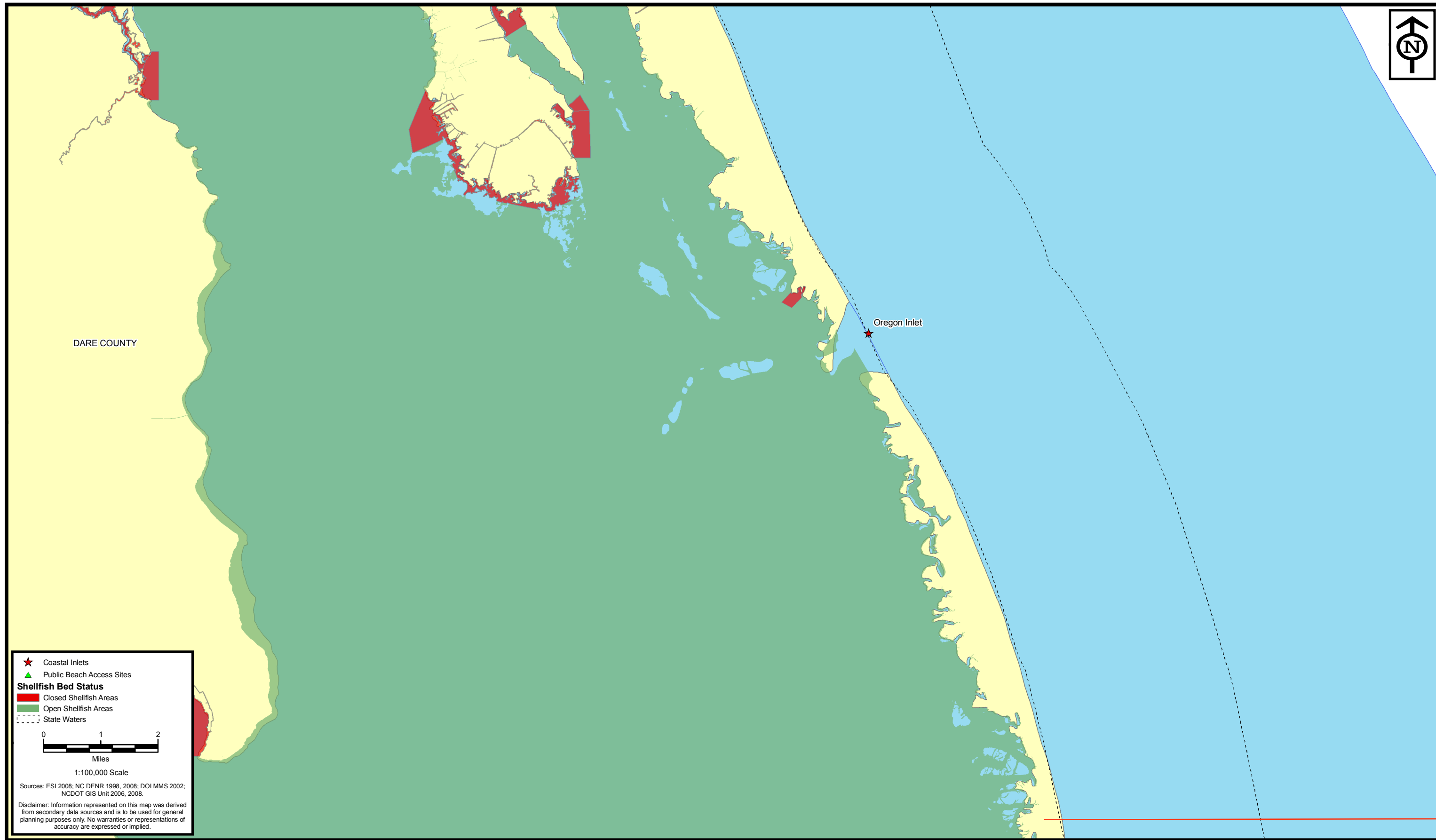
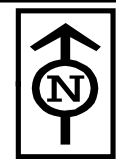
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Shell Bottom

**North Carolina Beach and Inlet Management Plan**

Sheet 18  
 Region 4a

**BIMP**  
 N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 Closed Shellfish Areas  
 Open Shellfish Areas  
 State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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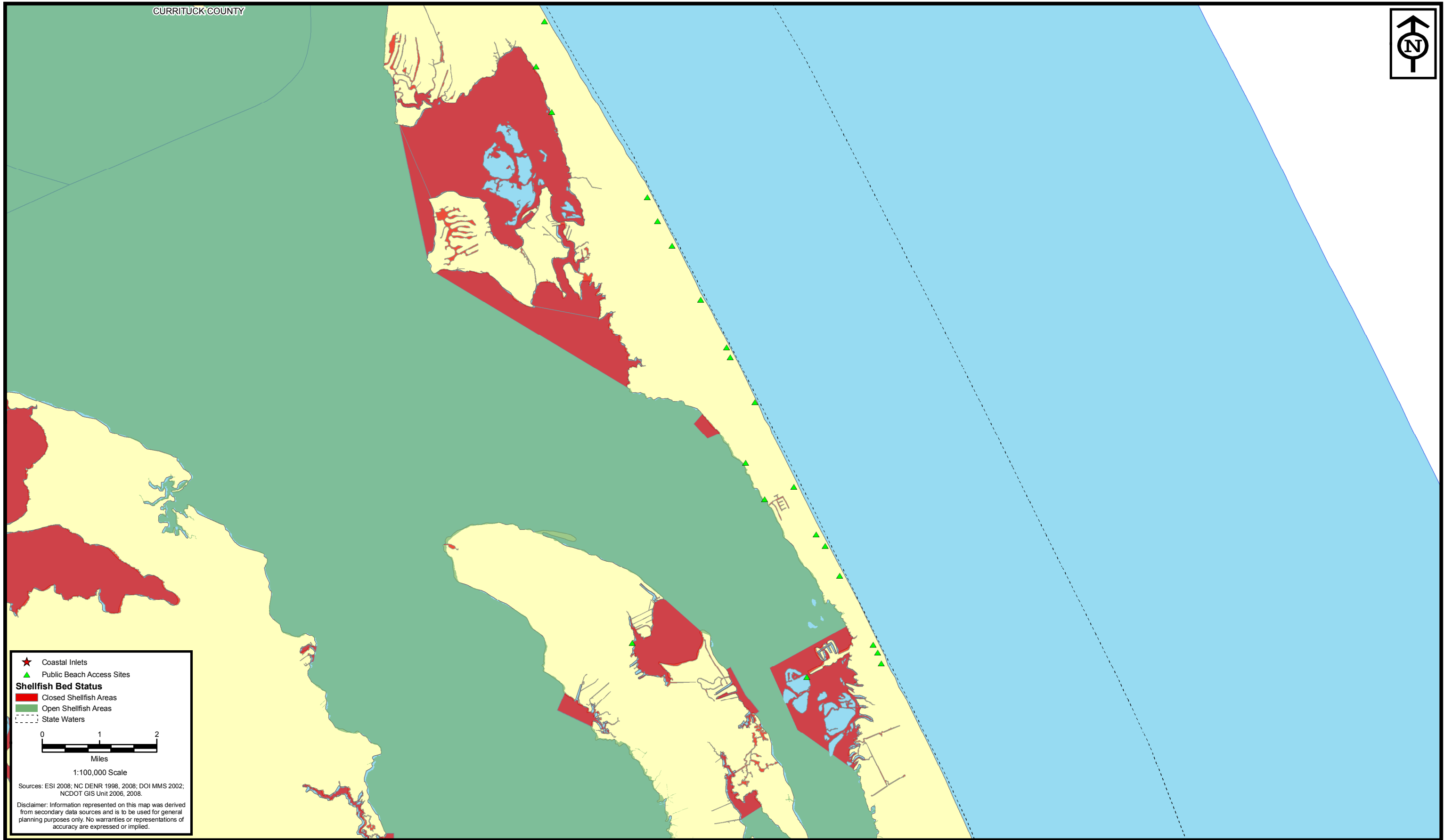


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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 19  
 Region 4b



**BIMP**  
 N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

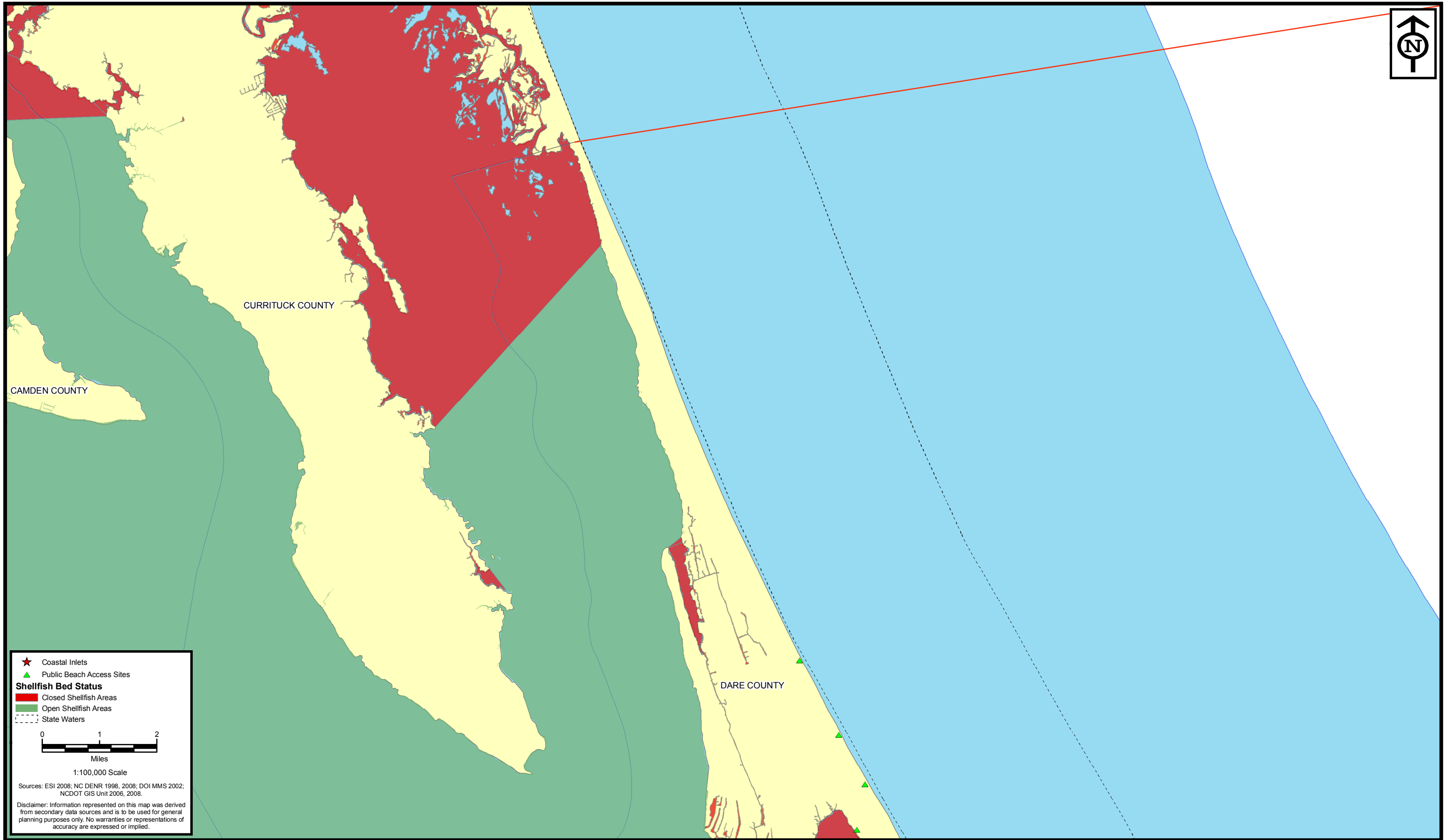
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 20  
 Region 4b

**BIMP**  
 N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 ■ Closed Shellfish Areas  
 ■ Open Shellfish Areas  
 - - - State Waters

0 1 2  
 Miles  
 1:100,000 Scale

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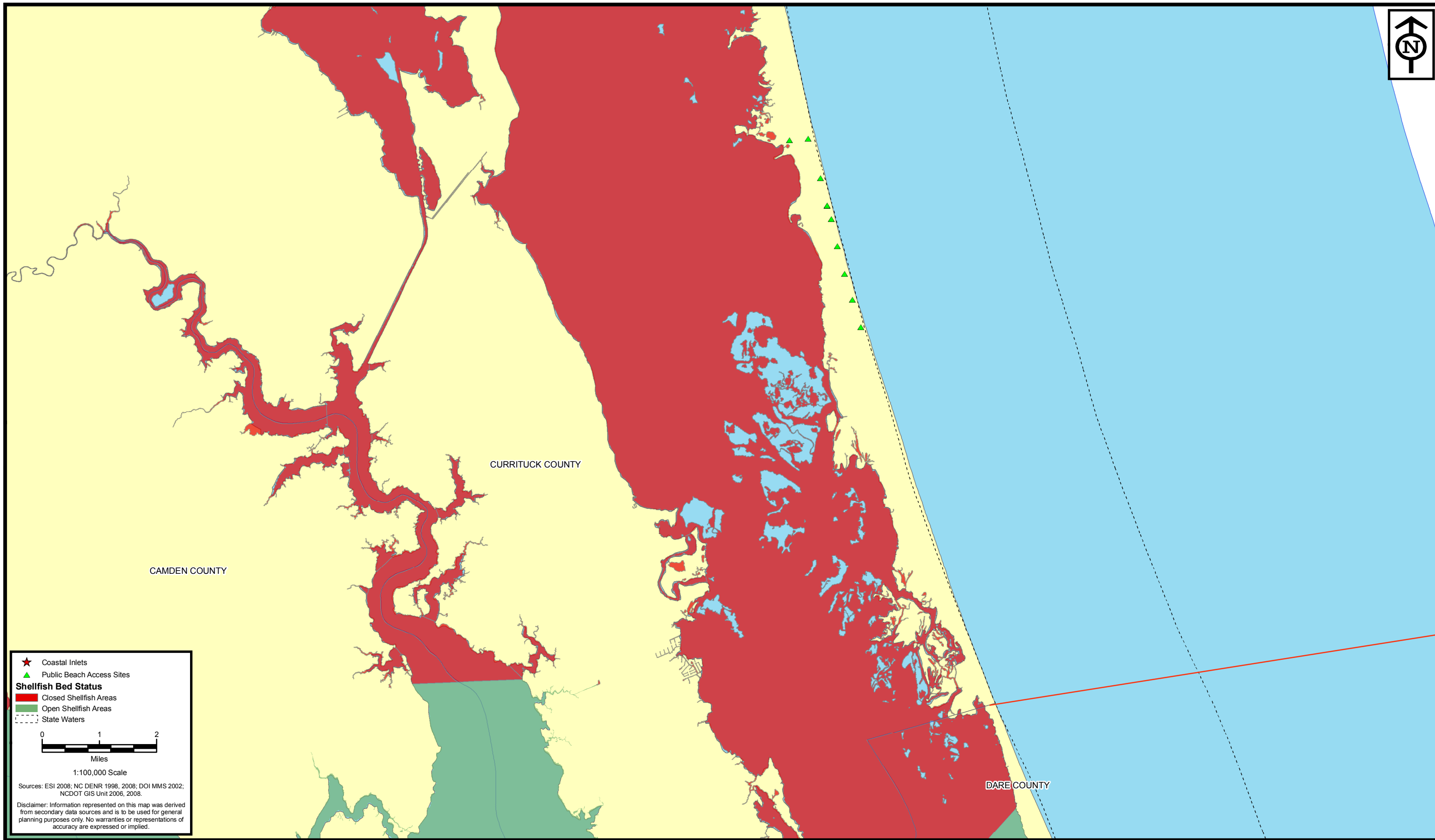


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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 21  
 Region 4b



**BIMP**  
 N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 Closed Shellfish Areas  
 Open Shellfish Areas

--- State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

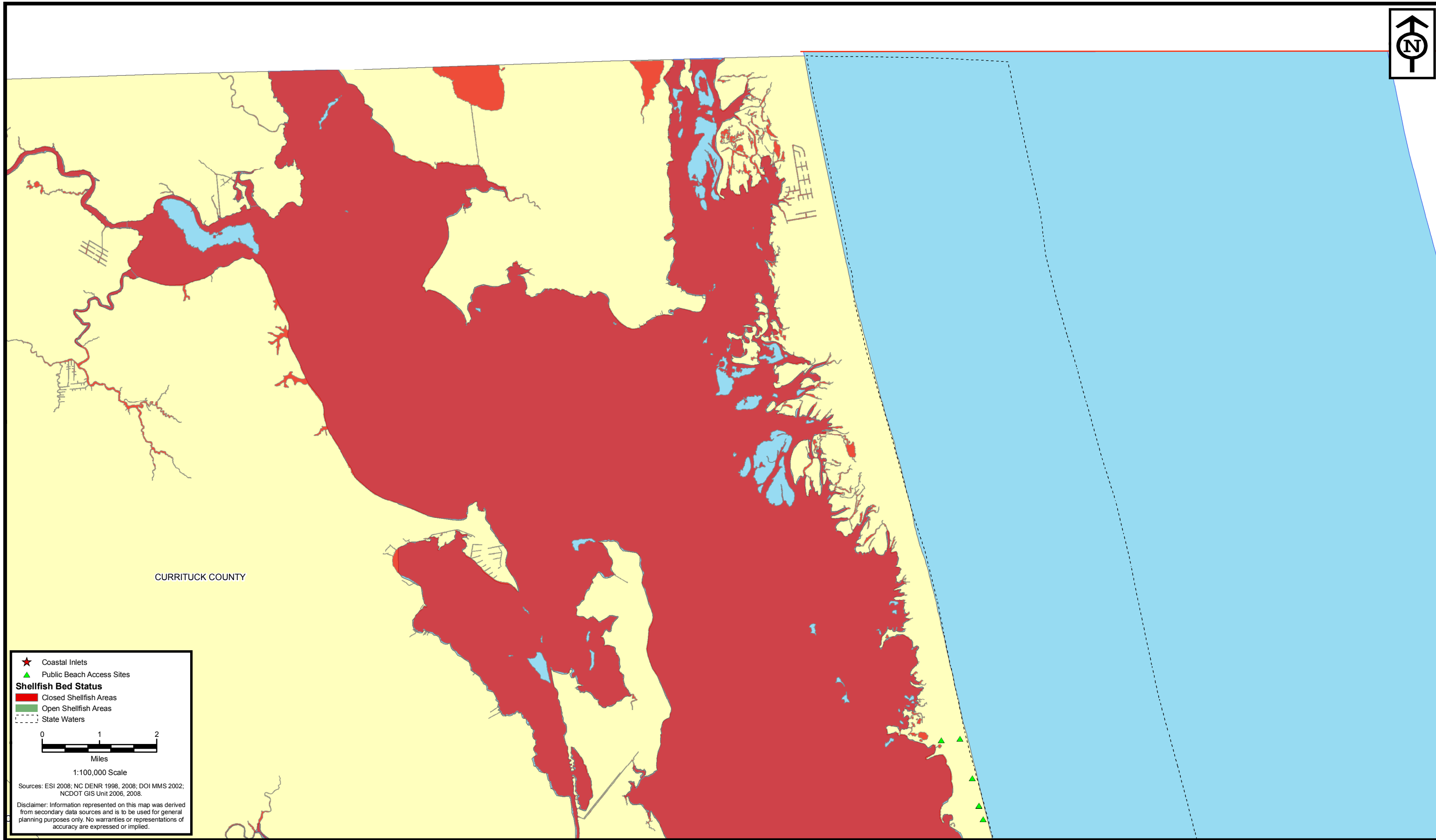
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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 22  
 Region 4c

**BIMP**  
 N.C. Beach and Inlet Management Plan



CURRITUCK COUNTY

★ Coastal Inlets  
 ▲ Public Beach Access Sites

**Shellfish Bed Status**  
 Closed Shellfish Areas  
 Open Shellfish Areas  
 State Waters

0 1 2  
 Miles  
 1:100,000 Scale

Sources: ESI 2006; NC DENR 1998, 2008; DOI MMS 2002; NCDOT GIS Unit 2006, 2008.

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Shell Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 23  
 Region 4c

**BIMP**  
 N.C. Beach and Inlet Management Plan

Water Column  
And  
Soft Bottom



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas

High Quality Waters Outstanding Resource Waters

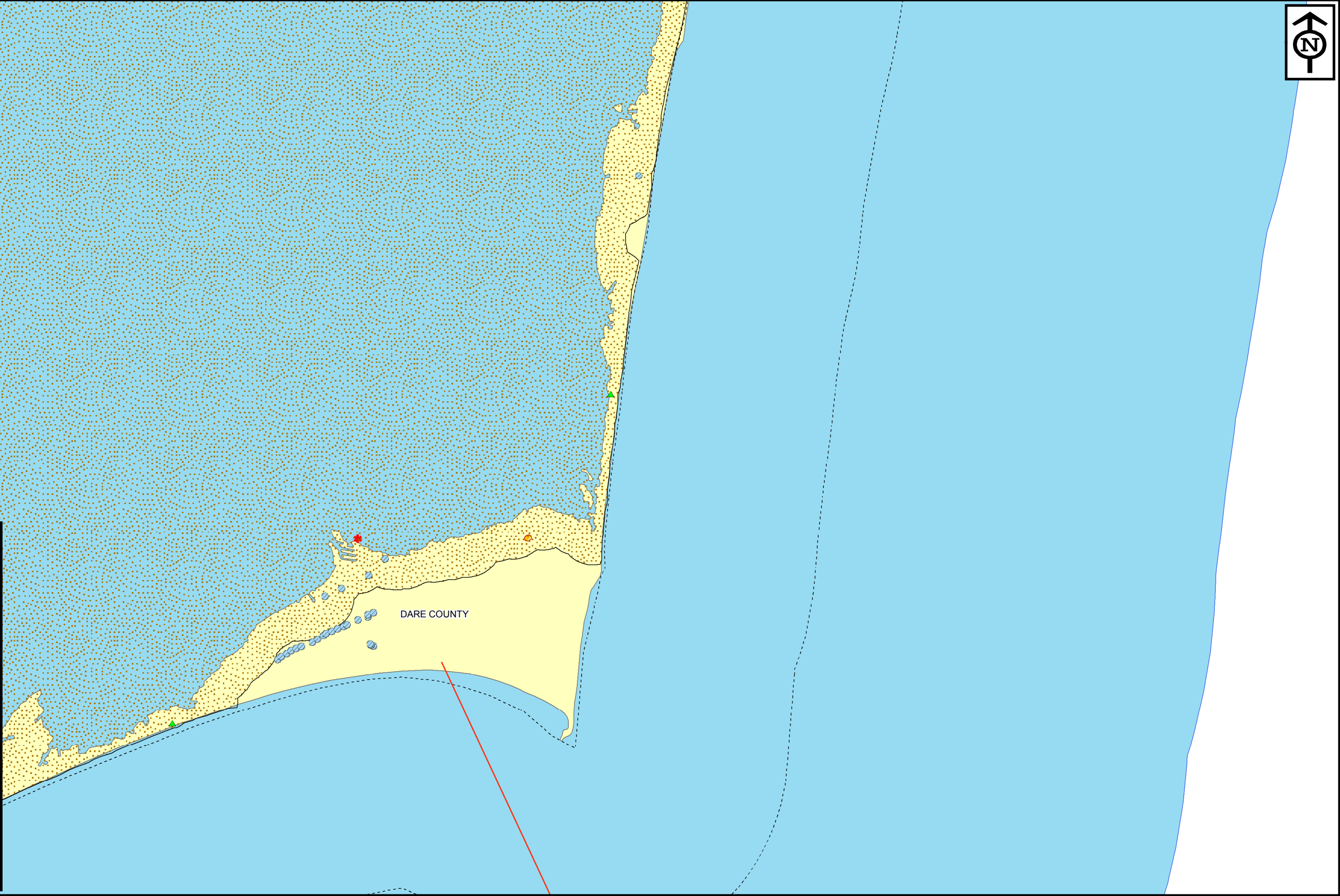
Unclassified Waters  
ORW Waters  
ORW/SA Waters  
SA Waters

- ▨ Hazard Substance Disposal Sites
- ▨ Ocean Dredging Material Disposal Sites
- ▨ State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

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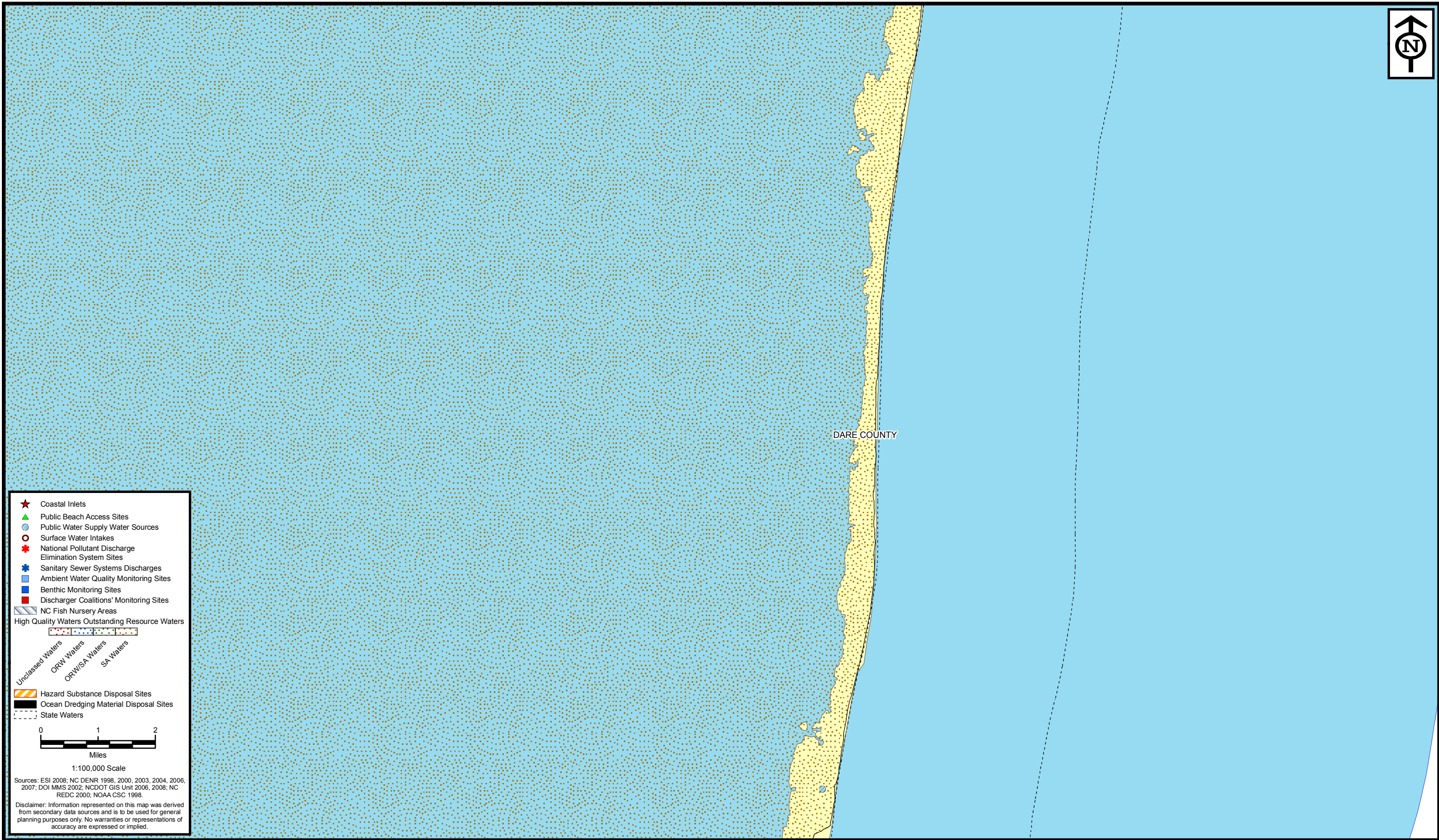
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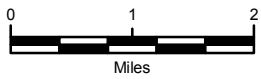
Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 16  
Region 4a

**BIMP**  
N.C. Beach and Inlet Management Plan





- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas
- High Quality Waters Outstanding Resource Waters
- Unclassified Waters
- ORW Waters
- ORW/SA Waters
- SA Waters
- ▨ Hazard Substance Disposal Sites
- Ocean Dredging Material Disposal Sites
- State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

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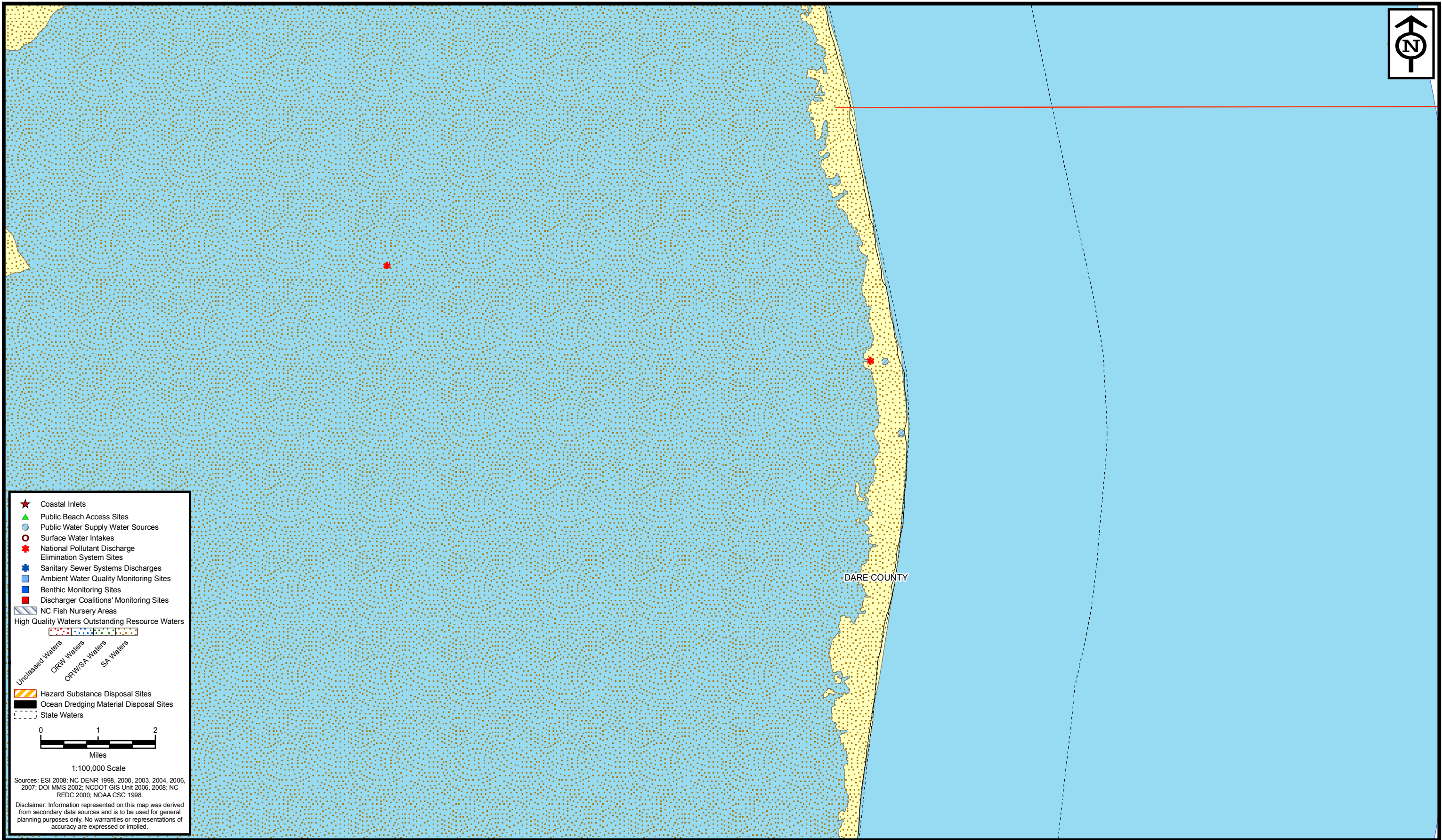


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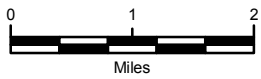
Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 17  
Region 4a



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
  - ▲ Public Beach Access Sites
  - Public Water Supply Water Sources
  - Surface Water Intakes
  - ✳ National Pollutant Discharge Elimination System Sites
  - ✳ Sanitary Sewer Systems Discharges
  - Ambient Water Quality Monitoring Sites
  - Benthic Monitoring Sites
  - Discharger Coalitions' Monitoring Sites
  - ▨ NC Fish Nursery Areas
- High Quality Waters Outstanding Resource Waters
- Unclassified Waters
  - ORW Waters
  - ORW/SA Waters
  - SA Waters
- ▨ Hazard Substance Disposal Sites
  - ▨ Ocean Dredging Material Disposal Sites
  - State Waters



1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

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DARE COUNTY



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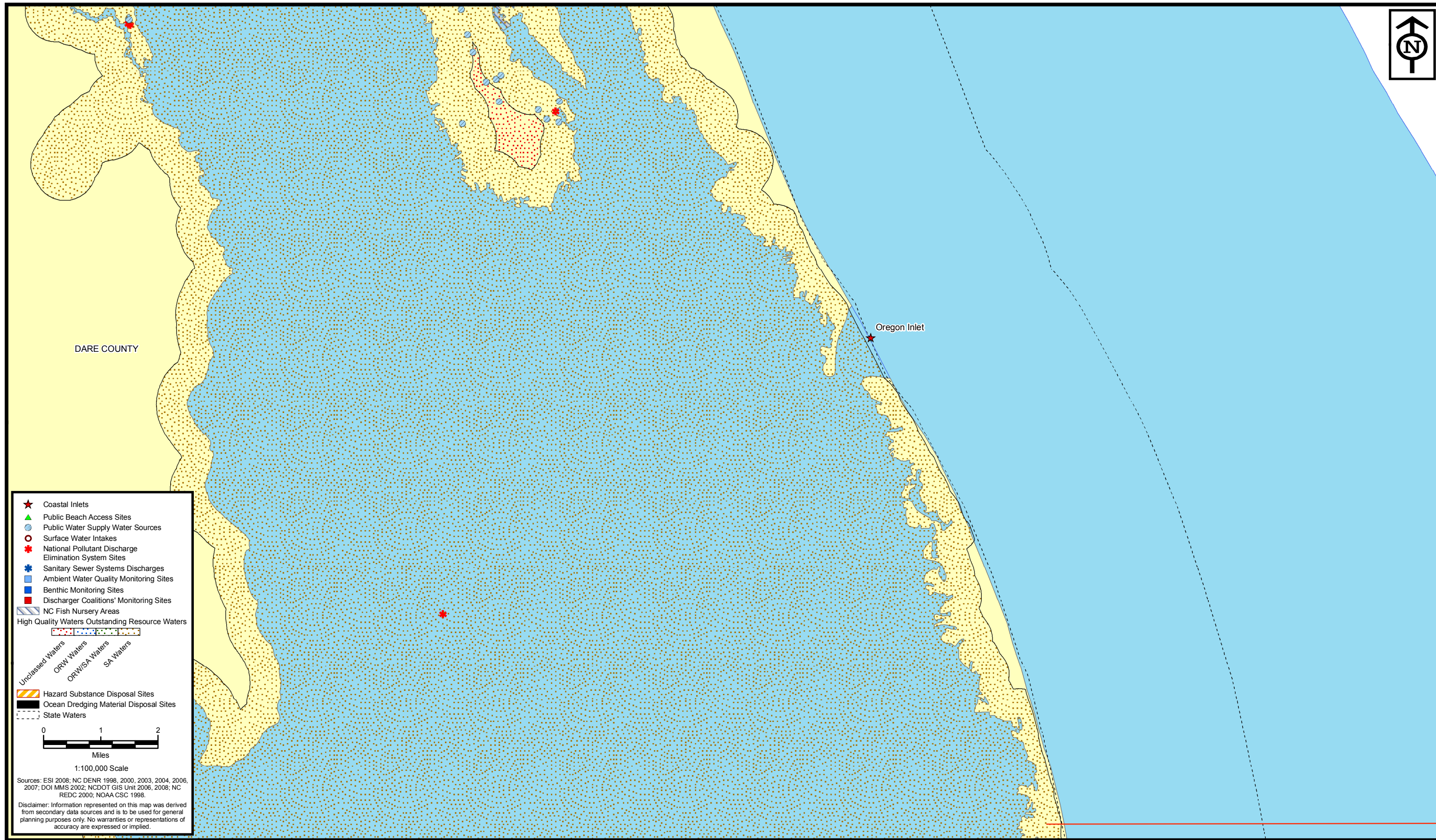
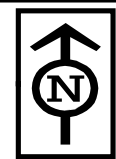


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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 18  
Region 4a



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
- Public Water Supply Water Sources
- Surface Water Intakes
- ✳ National Pollutant Discharge Elimination System Sites
- ✳ Sanitary Sewer Systems Discharges
- Ambient Water Quality Monitoring Sites
- Benthic Monitoring Sites
- Discharger Coalitions' Monitoring Sites
- ▨ NC Fish Nursery Areas
- ▨ High Quality Waters Outstanding Resource Waters
- ▨ Unclassified Waters
- ▨ ORW Waters
- ▨ ORW/SA Waters
- ▨ SA Waters
- ▨ Hazard Substance Disposal Sites
- ▨ Ocean Dredging Material Disposal Sites
- ▨ State Waters

0 1 2  
Miles  
1:100,000 Scale

Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

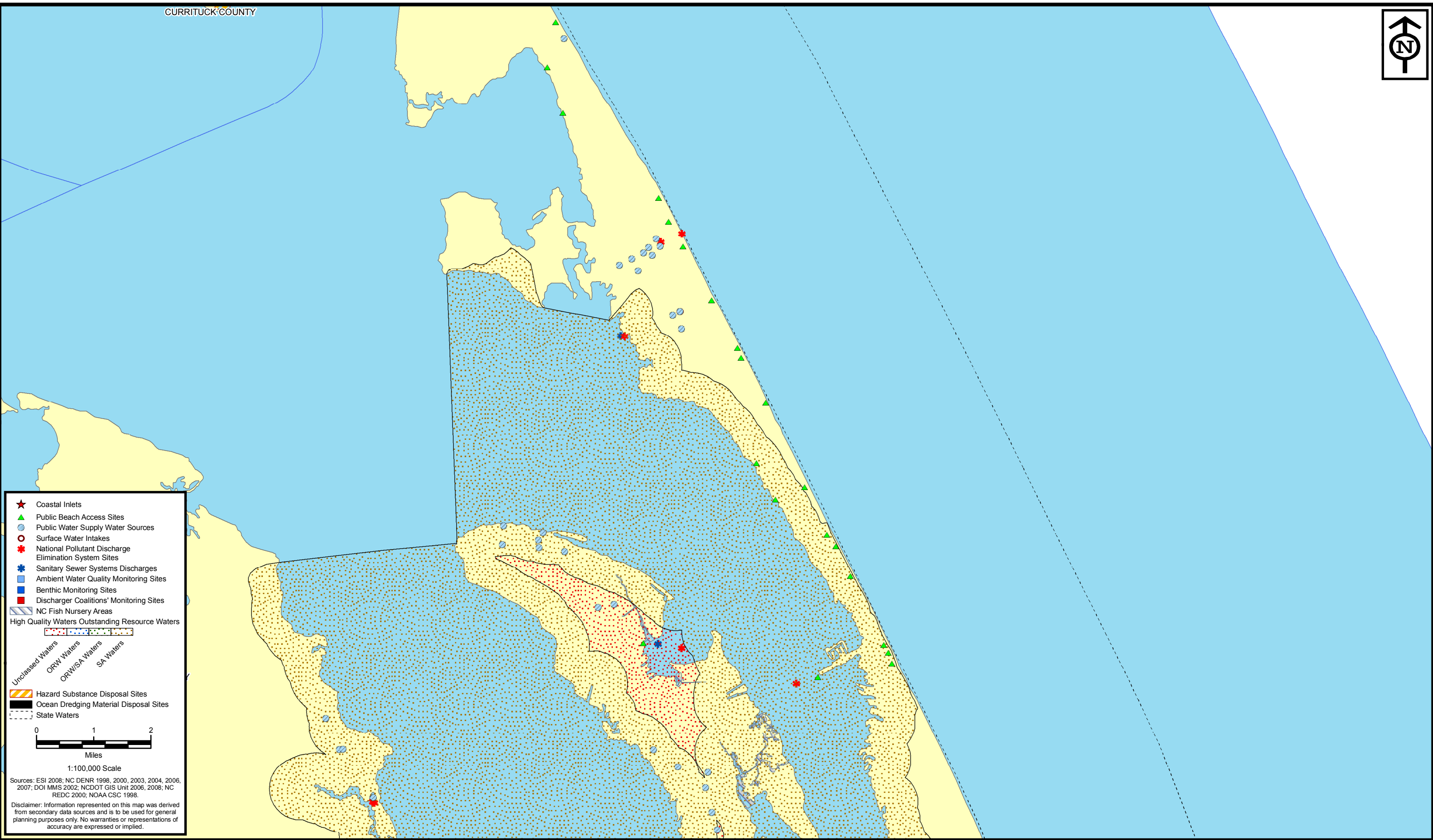
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 19  
Region 4b

**BIMP**  
N.C. Beach and Inlet Management Plan



★ Coastal Inlets  
 ▲ Public Beach Access Sites  
 ● Public Water Supply Water Sources  
 ○ Surface Water Intakes  
 \* National Pollutant Discharge Elimination System Sites  
 \* Sanitary Sewer Systems Discharges  
 ■ Ambient Water Quality Monitoring Sites  
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 Hazard Substance Disposal Sites  
 Ocean Dredging Material Disposal Sites  
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0 1 2  
Miles  
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Sources: ESI 2008; NC DENR 1998, 2000, 2003, 2004, 2006, 2007; DOI MMS 2002; NCDOT GIS Unit 2006, 2008; NC REDC 2000; NOAA CSC 1998.

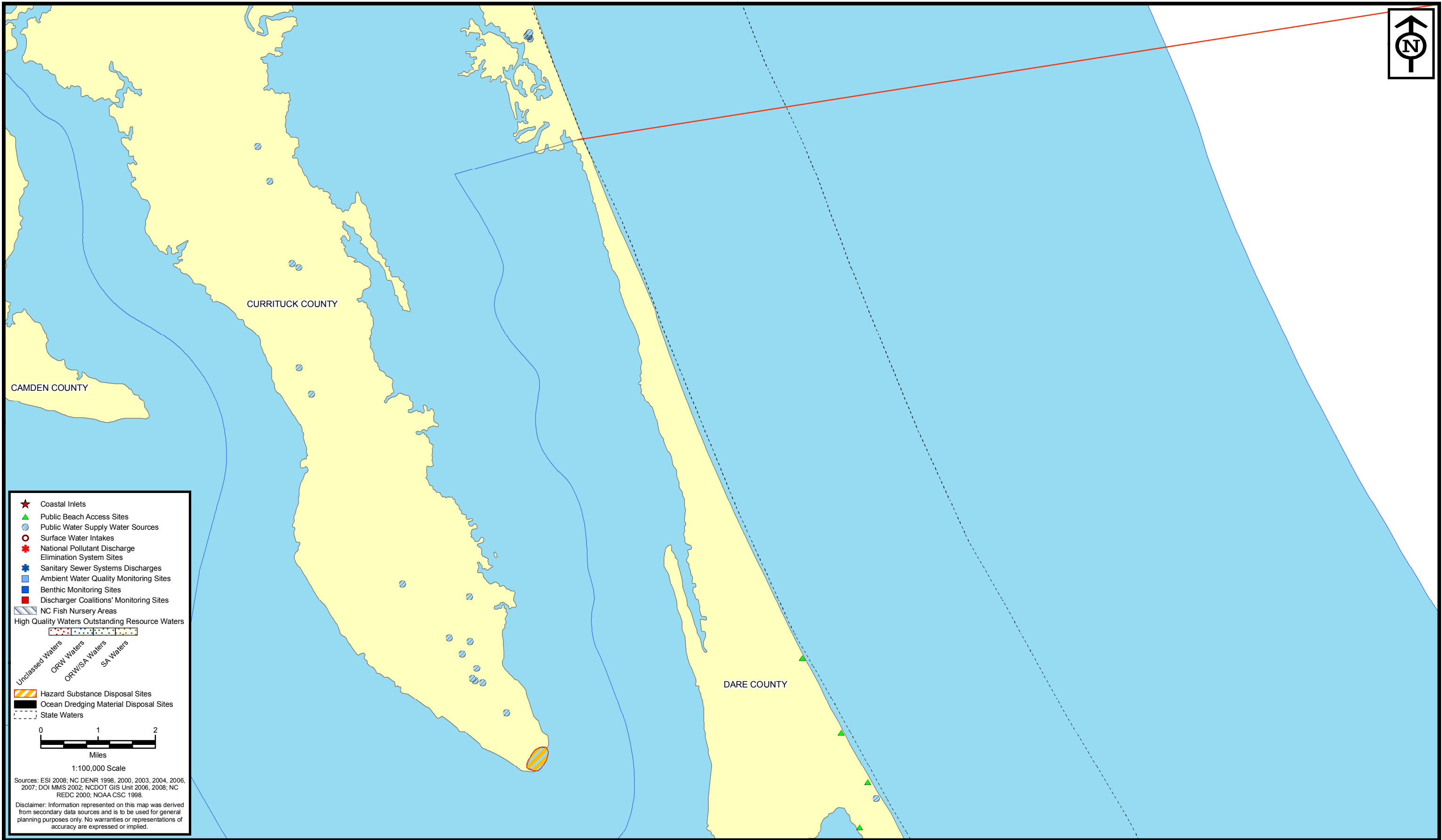
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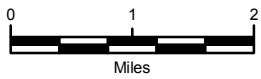
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
 Sheet 20  
 Region 4b

**BIMP**  
 N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
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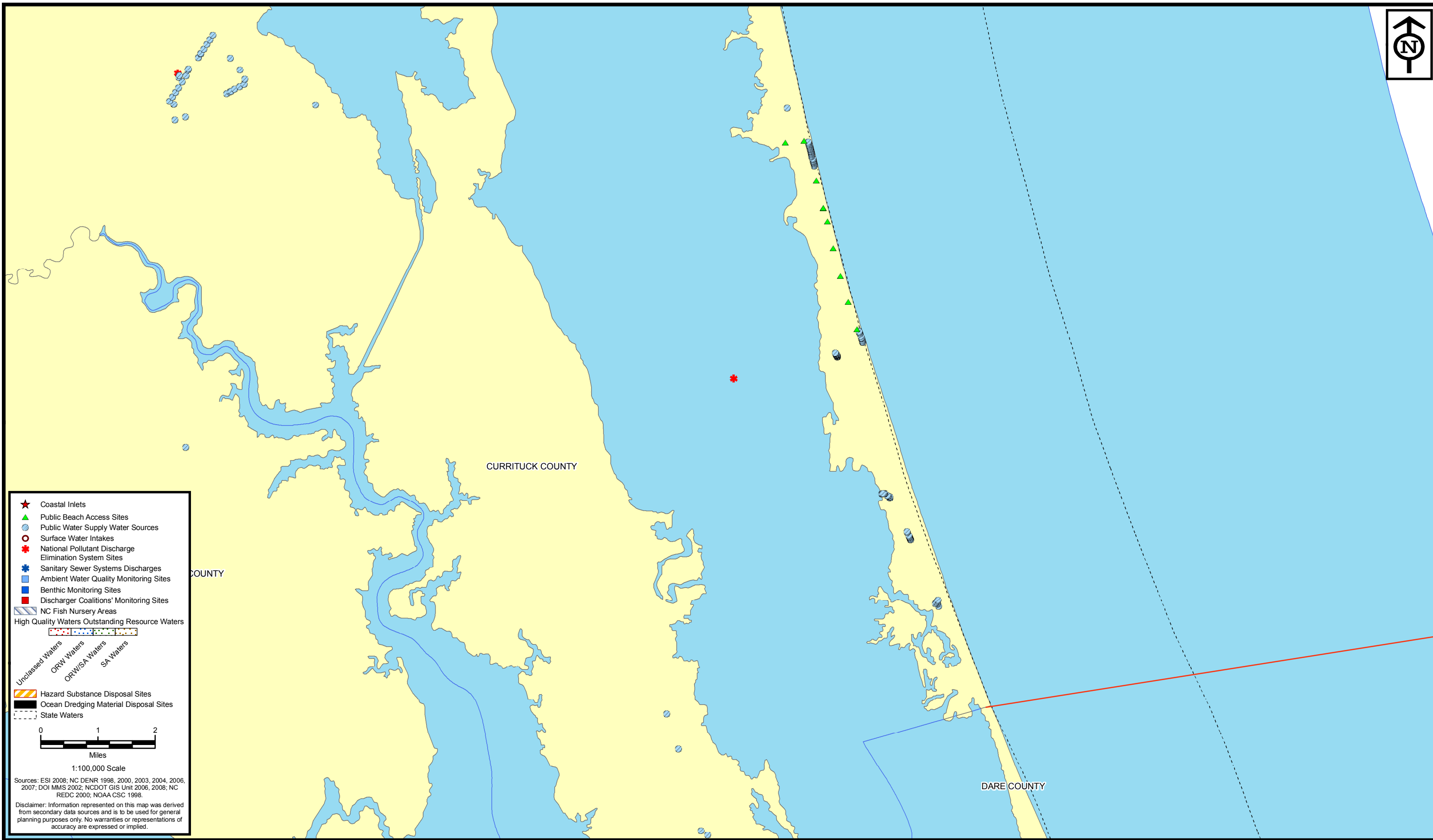
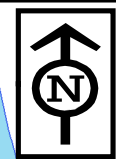


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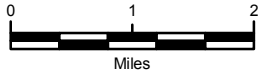
Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 21  
Region 4b



**BIMP**  
N.C. Beach and Inlet Management Plan



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1:100,000 Scale

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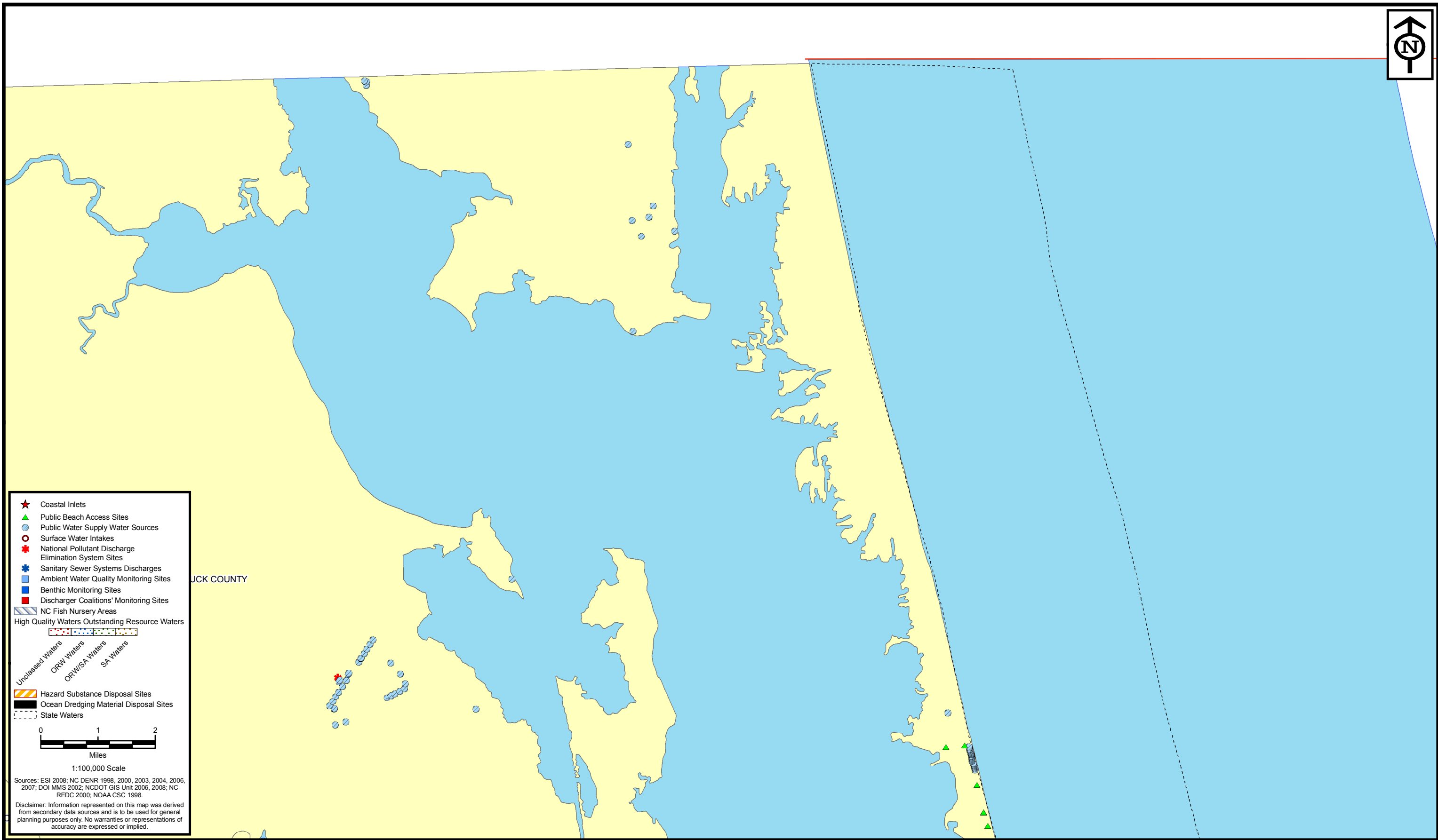


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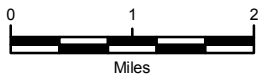
Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 22  
Region 4c



**BIMP**  
N.C. Beach and Inlet Management Plan



- ★ Coastal Inlets
- ▲ Public Beach Access Sites
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Water Column and Soft Bottom  
**North Carolina Beach and Inlet Management Plan**  
Sheet 23  
Region 4c



**BIMP**  
N.C. Beach and Inlet Management Plan

# Data Sources



## NCBIMP Data Sources

### 1) Soft Bottom

- a. Fish Nursery Areas
  - 1. nc\_fna - NC Fish Nursery Areas
    - a. NC DEHNR, Division of Marine Fisheries, 19981201, Fish Nursery Areas: NC DEHNR, Division of Marine Fisheries, Morehead City, North Carolina.

### 2) Water Column

- a. Water Quality Monitoring Sites
  - 1. Awqms - Ambient Water Quality Monitoring Sites
    - a. NC DENR, Division of Water Quality, Water Quality Section, 20070314, Ambient Water Quality Monitoring Sites: NC DENR, Division of Water Quality, Water Quality Section, Raleigh, North Carolina.
  - 2. Benthic – Benthic Monitoring Sites
    - a. NC DENR, Division of Water Quality, Environmental Sciences Branch, 20030429, onemap\_prod.SDEADMIN.benthic: NC DENR Clean Water Management Trust Fund, Raleigh, North Carolina.
  - 3. Dcms – Discharger Coalition Monitoring Sites
    - a. NC DENR, Division of Water Quality, Water Quality, 20001130, onemap\_prod.SDEADMIN.dcms: NC DENR Div. of Water Quality, Water Quality Section, Raleigh, North Carolina.
- b. High Quality Watersheds
  - 1. Lclwshdplns – Local Watershed Plans (EEP)
    - a. NC DENR Ecosystem Enhancement Program, 20070101, Ecosystem Enhancement Program Local Watershed Plans: USDA, Natural Resources Conservation Service, Raleigh, North Carolina.
  - 2. Pwsws – Public Water Supply Water Sources
    - a. NC DENR Division of Environment, Public Water Supply Section (PWSS), 20060901, Public Water Supply Water Sources, Including Ground Water and Surface Water Sources: NC DENR Division of Environmental Health, Public Water Supply Section, Raleigh, North Carolina.
  - 3. SWI – Surface Water Intakes
    - a. NC DEHNR, Division of Water Quality, Planning Branch, 20040806, onemap\_prod.SDEADMIN.swi: NC DEHNR, Division of Water Quality, Planning Branch, Raleigh, North Carolina.
  - 4. Trgtlclwshds – Targeted Local Watersheds (EEP)
    - a. NC DENR Ecosystem Enhancement Program, 20070101, Ecosystem Enhancement Program Targeted Local Watersheds: USDA, Natural Resources Conservation Service, Raleigh, North Carolina.
  - 5. Wintakes – Water Distribution System Intakes
    - a. NC REDC – North Carolina Rural Economic Development Center, 20000328, onemap\_prod.SDEADMIN.wintakes: NC Center for Geographic Information & Analysis, Raleigh, North Carolina.
  - 6. Wsw - Water Supply Watersheds
    - a. NC DENR, Division of Water Quality Water Quality Planning Section, 20070701, Water Supply Watersheds:

NC DENR, Division of Water Quality Water Quality Planning Section, Raleigh, North Carolina.

7. Wwells –Water Distribution Systems Wells
  - a. NC REDC – North Carolina Rural Economic Development Center, 20000320, onemap\_prod.SDEADMIN.wwells: NC Center for Geographic Information & Analysis, Raleigh, North Carolina.

c. SA, SB, SC Waters

1. Hqworw – High Quality Water Outstanding Water Resource Management Zones
  - a. NC DENR, Division of Water Quality, 20070607, High Quality Water and Outstanding Resource Water Management Zones: NC DENR, Division of Water Quality, Raleigh, North Carolina.

d. Stormwater, Discharge, and Hazardous Sites:

1. HSDS – Hazardous Substance Disposal Sites
  - a. NC DEHNR, Division of Waste Management, Superfund Section, 19981201, onemap\_prod.SDEADMIN.hsds: NC DEHNR, Division of Waste Management, Superfund section, Raleigh, North Carolina.
2. Npdes – National Pollutant Discharge Elimination System Sites
  - a. NC DENR, Division of Water Quality, Planning Branch, 20060330, onemap\_prod.SDEADMIN.npdes: NC DENR Division of Water Quality, Planning Branch, Raleigh, North Carolina.
3. ocean\_drdg\_matl\_disposal\_sit - Ocean Dredging Material Disposal Sites
  - a. NOAA Coastal Services Center, 19980930, NC, Ocean Dredged Material Disposal Sites: NOAA Coastal Services Center, Charleston, South Carolina.
4. Pmss – Public Municipal Stormwater System,
  - a. NC CGIA, 20070306, Public Municipal Stormwater Systems: NC Center for Geographic Information & Analysis, Raleigh, North Carolina.
5. Sdisch – Sanitary Sewer System Discharge Sites
  - a. NC REDC – North Carolina Rural Economic Development Center, 20000320, onemap\_prod.SDEADMIN.sdisch: NC Center for Geographic Information & Analysis, Raleigh, North Carolina.
6. Stormwtr\_ref - 2008 Phase 2 Stormwater references
  - a. NC Division of Water Quality with Assistance from the NC Center for Geographic Information and Analysis, 20080609, Phase II Stormwater Reference Layer: NC Center for Geographic Information and Analysis, Raleigh, North Carolina.

**3) Critical Species and Habitats**

a. Critical Species Areas

1. Colonial\_WBird\_Habitat – State Owned Islands with Colonial Water Bird Habitat
  - a. Environmental Services Inc and NC Wildlife Resources Commission, 20080321, State owned Islands with Colonial Water Bird Habitat: Environmental Services Inc, Raleigh, North Carolina.

2. comigpelagics\_EFH - Coastal Migratory Pelagics Essential Fish Habitat
  - a. Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI) in association with the South Atlantic Fishery Management Council (SAFMC), 2008, Coastal Migratory Pelagics EFH: FWC -FWRI, St. Petersburg, Florida.
3. Fshcmntysts -Fish Community Sampling Sites
  - a. NC DENR Division of Water Quality, 20040331, onemap\_prod.SDEADMIN.fshcmntysts: NC DENR Clean Water Trust Fund, Raleigh, North Carolina.
4. nheo\_In – EO Source Lines
  - a. NC DENR, Office of Conservation and Planning, Natural Heritage Program, 20080107, EO Source Lines: NC DENR, Office of Conservation and Planning, Raleigh, North Carolina.
5. nheo\_pt – EO Source Points
  - a. NC DENR, Office of Conservation and Planning, Natural Heritage Program, 20080107, EO Source Points: NC DENR, Office of Conservation and Planning, Raleigh, North Carolina.
6. nheo\_py – EO Source Polygons
  - a. NC DENR, Office of Conservation and Planning, Natural Heritage Program, 20080107, EO Source Polygons: NC DENR, Office of Conservation and Planning, Raleigh, North Carolina.
7. nheo\_rep – EO Representations
  - a. NC DENR, Office of Conservation and Planning, Natural Heritage Program, 20080107, EO Representations: NC DENR, Office of Conservation and Planning, Raleigh, North Carolina.
8. reddrum\_EFH - Red Drum Essential Fish Habitat
  - a. Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI) in association with the South Atlantic Fishery Management Council (SAFMC), 2008, Red Drum EFH: FWC -FWRI, St. Petersburg, Florida.
9. SG\_EFH\_HAPC - Snapper Grouper Essential Fish Habitat - Habitat Area of Particular Concern
  - a. Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI), 2005, Snapper Grouper EFH HAPCs: FWC -FWRI, St. Petersburg, Florida.
10. shrimp\_EFH - Shrimp Essential Fish Habitat
  - a. Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI) in association with the South Atlantic Fishery Management Council (SAFMC), 2008, Shrimp EFH: FWC -FWRI, St. Petersburg, Florida.
11. Shrimp\_EFH\_HAPC - Shrimp Essential Fish Habitat - Habitat Area of Particular Concern
  - a. Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI), 2005, Shrimp EFH HAPCs: FWC -FWRI, St. Petersburg, Florida.
12. snappergrouper\_EFH - Snapper Grouper Essential Fish Habitat

- a. Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI) in association with the South Atlantic Fishery Management Council (SAFMC), 2008, Snapper Grouper EFH: FWC - FWRI, St. Petersburg, Florida.
- 13. spinylobster\_EFH - Spiny Lobster Essential Fish Habitat
  - a. Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI) in association with the South Atlantic Fishery Management Council (SAFMC), 2008, Spiny Lobster EFH: FWC - FWRI, St. Petersburg, Florida.
- b. Managed Habitats
  - 1. Ctcp – Conservation Tax Credit Properties
    - a. NC DENR, Office of Legislative and Intergovernmental Affairs, 20080111, Conservation Tax Credit Properties: NC DENR, Office of the Secretary, Office of Legislative and Intergovernmental Affairs, Raleigh, North Carolina.
  - 2. dedreg – Dedicated and Registered Areas
    - a. NC DENR, Office of Conservation and Planning, Natural Heritage Program, 20080107, Dedicated and Registered Areas: NC DENR, Office of Conservation and Planning, Raleigh, North Carolina.
  - 3. Ltcp – Land Trust Conservation Properties
    - a. The Conservation Fund, 20020228, onemap\_prod.SDEADMIN.ltcp: The Conservation Fund, Raleigh, North Carolina.
  - 4. marea – Managed Areas
    - a. NC DENR, Office of Conservation and Planning, Natural Heritage Program, 20080107, Dedicated and Registered Areas: NC DENR, Office of Conservation and Planning, Raleigh, North Carolina.
  - 5. Marine\_managed\_areas\_ply – Marine Managed Areas
    - a. NOAA and US DOI, 200503, Marine Managed Areas: FWC-FWRI (Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute), St. Petersburg, Florida.
  - 6. mcsite – Macrosites
    - a. NC DENR, Office of Conservation and Planning, Natural Heritage Program, 20080107, Macrosites: NC DENR, Office of Conservation and Planning, Raleigh, North Carolina.
  - 7. mgsite – Megasites
    - a. NC DENR, Office of Conservation and Planning, Natural Heritage Program, 20080107, Megasites: NC DENR, Office of Conservation and Planning, Raleigh, North Carolina.
  - 8. nc\_css - NC Crab Spawning Sanctuary
    - a. NC DENR, Division of Marine Fisheries, 20040801, Descriptive Boundaries for Crab Spawning Sanctuaries: NC DENR, Division of Marine Fisheries, Morehead City, North Carolina.
  - 9. nc\_seaturtles - NC Sea Turtle Sanctuary
    - a. NC DENR, Division of Marine Fisheries, 20040801, Sea Turtle Sanctuaries of North Carolina: NC DENR, Division of Marine Fisheries, Morehead City, North Carolina.

10. snha – Significant Natural Heritage Areas
  - a. NC DENR, Office of Conservation and Planning, Natural Heritage Program, 20080107, Significant Natural Heritage Areas: NC DENR, Office of Conservation and Planning, Raleigh, North Carolina.

**4) SAV**

- a. SAV Inventories
  1. Bogue\_Sound\_SAV\_92 – Bogue Sound SAV
    - a. NOAA Coastal Services Center, 20030522, Bogue Sound SAV: NOAA Coastal Services Center, Charleston, South Carolina.
  2. Benthichabitat – NOAA SAV Inventory
    - a. NOAA Coastal Services Center, 20070917, Benthic Habitats: NOAA Coastal Services Center, Charleston, South Carolina.
  3. ECSU\_Currituck\_Sound\_SAV – Currituck Sound SAV
    - a. Elizabeth City State University, 20031016, ECSU Currituck Sound SAV: Elizabeth City State University, Elizabeth City, North Carolina.
  4. Sav\_inventory\_1981\_2006 – NC Fisheries SAV Inventory 81-06
    - a. NC DENR, Division of Marine Fisheries, Habitat Protection Section, 2007, NC Fisheries SAV Inventory 81-06: NC DENR, Division of Marine Fisheries, Habitat Protection Section, Morehead City, North Carolina.

**5) Shell Bottom**

- a. Known Shellfish Beds
  1. Sga – Shellfish Growing Areas
    - a. NC DENR, Division of Marine Fisheries, 200804, Shellfish Growing Areas: NC DENR, Division of Marine Fisheries, Morehead City, North Carolina.

**6) Hard Bottom**

- a. Hard Bottom Areas
  1. coralhb\_EFH - Coral Hard Bottom Essential Fish Habitat
    - a. Florida Fish and Wildlife Conservation Commission (FWC), Fish and Wildlife Research Institute (FWRI) in association with the South Atlantic Fishery Management Council (SAFMC), 2008, Coral, Coral Reef, and Live or Hard Bottom EFH: FWC -FWRI, St. Petersburg, Florida.
  2. Nc-artf - NC Artificial Reefs
    - a. NOAA Coastal Services Center, 19980930, North Carolina Artificial Reefs: NOAA Coastal Services Center, Charleston South Carolina.

**7) Wetlands**

- a. Forested Wetlands
  1. Gslnc – General soils
    - a. U.S. Department of Agriculture, Soil Conservation Service, 19981201, onemap\_prod.SDEADMIN.gslnc\_poly: U.S. Department of Agriculture, Natural Resource Conservation Service, Raleigh, North Carolina.
  2. Hunc – 14 digit Hydrologic Units
    - a. USDA, Natural Resources Conservation Service, 19981201, onemap\_prod.SDEADMIN.hunc\_poly: USDA, Natural Resources Conservation Service, Raleigh, North Carolina.
  3. Hydro24k – 24k Hydrography

- a. NC Center for Geographic Information and Analysis, 20060210, Statewide 24K hydrography (polys): North Carolina Center for Geographic Information and Analysis, Raleigh, NC.
  - 4. Hydromaj – Major Hydrography
    - a. NC Center for Geographic Information and Analysis, 20020702, onemap\_prod.SDEADMIN.hydromaj\_poly: NC Center for Geographic Information and Analysis, Raleigh, North Carolina.
  - 5. NWI – National Wetlands Inventory 24k wetlands
    - a. U.S. Fish & Wildlife Service, National Wetlands Inventory, 19990518, onemap\_prod.SDEADMIN.nwi\_poly: U.S. Fish & Wildlife Service, National Wetlands Inventory, St. Petersburg, Florida.
- b. Coastal Wetlands (Marsh)
  - 1. Coastal Wetlands for the 8 Management Counties – Same wetlands as wtdcmc
    - a. NC DENR, Division of Coastal Management, 20031230, Wetlands Types - North Carolina Coastal Area: NC DENR, Division of Coastal Mangement, Raleigh, North Carolina.
  - 2. Wtdcmc – Wetland Types – Coastal Area
    - a. NC DENR, Division of Coastal Management, 19990602, onemap\_prod.SDEADMIN.wtdcmc: NC DENR, Division of Coastal Management, Raleigh, North Carolina.

## 8) Admin-Infrastructure

- a. Administration and Infrastructure
  - 1. Atons\_geo – Aton Buoys
    - a. Florida Fish and Wildlife Conservation Commission (FWC), Florida Marine Research Institute (FMRI), Coastal and Marine Resource Assessment (CAMRA), 2002, camra\_mrgis\_atons\_uscg\_2002: FWC-FMRI (Florida Fish and Wildlife Conservation Commission-Florida Marine Research Institute), St. Petersburg, Florida.
  - 2. Basdcm- Beach access sites
    - a. NC DEHNR, Division of Coastal Management, 19981201, onemap\_prod.SDEADMIN.basdcm: NC DEHNR, Division of Coastal Management, Raleigh, North Carolina.
  - 3. Conshelf – Continental Shelf
    - a. NOAA Coastal Services Center, 19980930, Continental Shelf Boundary (200 Meter Isobath) for the Southeast U.S. – 1998: NOAA Coastal Services Center, Charleston, South Carolina.
  - 4. CountyBoundaryShoreline – Statewide Administrative Boundaries
    - a. NCDOT GIS Unit, 20061212, Statewide Administrative Boundaries: NCDOT GIS Unit, Raleigh, North Carolina.
  - 5. Flo – Federal Lands Ownership
    - a. NC Center for Geographic Information and Analysis, 20060329, Federal Land Ownership: North Carolina Center for Geographic Information and Analysis, Raleigh, North Carolina.
  - 6. Gml – Game Lands

- a. NC Wildlife Resources Commission, 20080714, WRC Gamelands: NC Wildlife Resources Commission, Raleigh, North Carolina.
- 7. ISRN\_Roads – Integrated State Roads Network
  - a. NCDOT GIS Unit, 20071106, Integrated State Roads Network: NCDOT GIS Unit, Raleigh, North Carolina.
- 8. Major\_ports\_shp – Major Ports
  - a. Bureau of Transportation Statistics and USACE, 2002, Major Ports: Bureau of Transportation, Washington, DC.
- 9. MunicipalBoundaries\_polys – Municipality Boundaries
  - a. NCDOT GIS Unit, 20080402, Municipal Boundaries: NCDOT GIS Unit, Raleigh, North Carolina.
- 10. NCDOTBridgeLocations – NCDOT Bridge Locations
  - a. NCDOT GIS Unit, 20070116, NCDOT Bridge Locations: NCDOT GIS Unit, Raleigh, North Carolina.
- 11. NCBIMP Analyses Layers.
  - a. Environmental Services Inc with Moffat and Nichol, 20080925, Various Layers: Environmental Services Inc, Raleigh, North Carolina.
- 12. Ocs – Oil Protraction Grid of the Continental Shelf
  - a. DOI, Minerals Management Service, 20040130, Oil Protraction Grid on the Outer Continental Shelf: FWC-FWRI (Florida Fish and Wildlife Conservation Commission-Fish and Wildlife Research Institute), St. Petersburg, Florida.
- 13. RR – Railroads
  - a. US Geological Survey, National Mapping Division, 1987, onemap\_prod.SDEADMIN.rr: US Geological Survey, National Mapping Division, Reston, Virginia.
- 14. ShippingRoutes – Shipping Routes
  - a. Vanderbilt Engineering Center for Transportation Operations and Research Vanderbilt University, 2000, Shipping Routes: USACE Navigation Data Center, New Orleans, LA.
- 15. Shoreline – High Resolution Shoreline
  - a. NOAA Coastal Services Center, 20070917, Composite Shoreline of the Continental United States: NOAA Coastal Services Center, Charleston, South Carolina.
- 16. Sol – State Owned Lands
  - a. NC Dept. of Administration, State Property Office, 20080506, State-Owned Lands: NC Dept. of Administration, State Property Office, Raleigh, North Carolina.
- 17. St\_waters – State Waters
  - a. DOI, Minerals Management Service, Mapping and Boundary Branch, 20020919, Digital Offshore Cadastre - Atlantic83 – Submerged Lands Act Boundary Line 2002: DOI, Minerals Mangement Service, Mapping and Boundary Branch, Lakewood, Colorado.