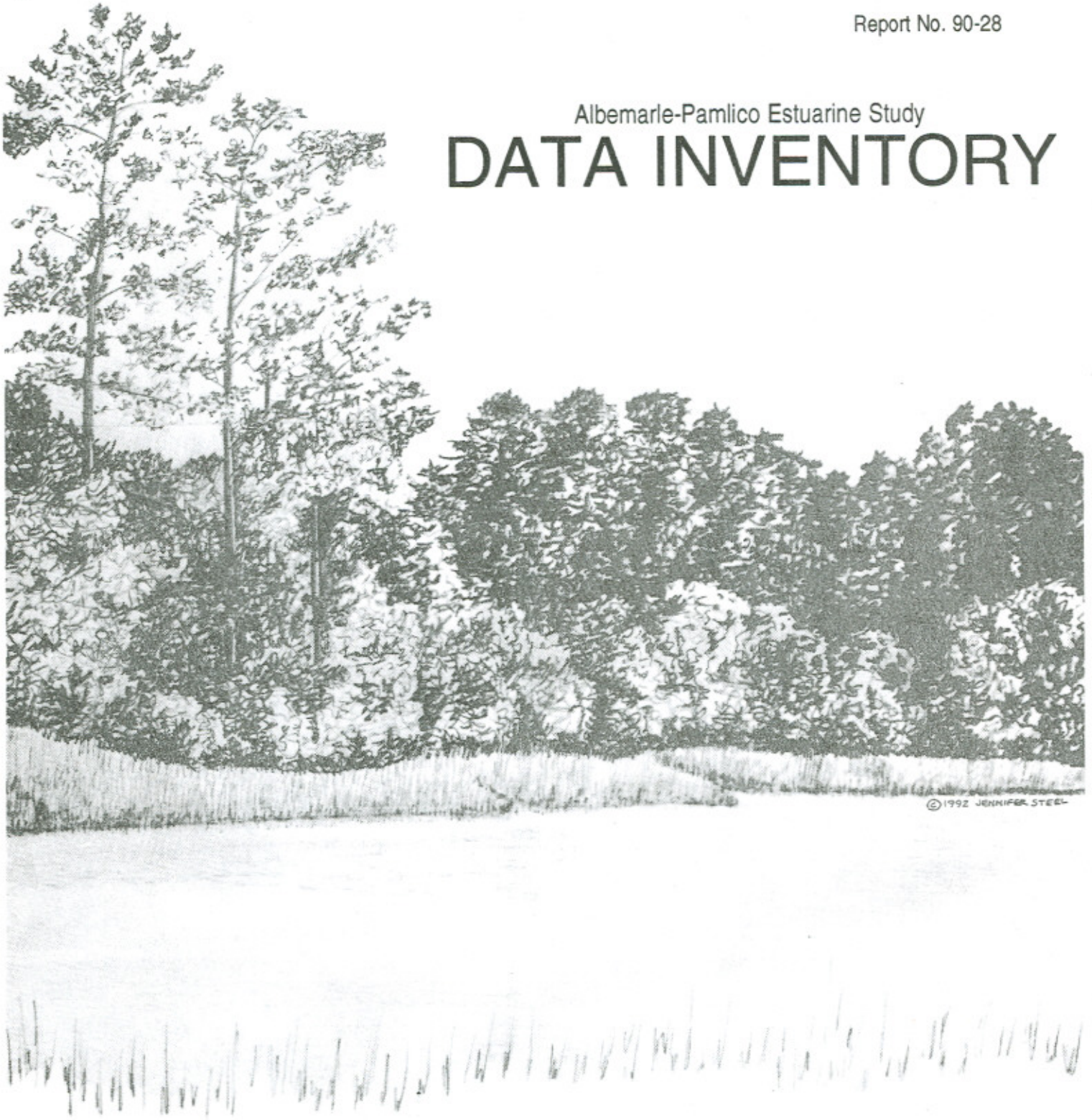
Report No. 90-28

Albemarle-Pamlico Estuarine Study

DATA INVENTORY



ALBEMARLE-PAMLICO ESTUARINE STUDY

NC Department of
Environment, Health,
and Natural Resources

Environmental
Protection Agency
National Estuary Program

ALBEMARLE-PAMLICO ESTUARINE STUDY

DATA INVENTORY

PREPARED BY:

STATE CENTER FOR GEOGRAPHIC INFORMATION AND ANALYSIS (CGIA)

PREPARED FOR:

STATE OF NORTH CAROLINA
DEPARTMENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
A/P STUDY OFFICE

JANUARY 1990

TABLE OF CONTENTS

INTRODUCTION	1
1970 Census Boundaries	3
1980 Census Boundaries	3
1990 Census Boundaries	4
A/P Study Area Boundary	4
Aerial Photography (1981)	5
Aerial Photography (1985)	5
Aerial Photography (1986)	6
Aerial Photography (1988)	6
Aerial Photography (1930s-1950s)	7
Aerial Photography (1940s, 1980s)	7
Aerial Photography (various - DEHNR)	8
Aerial Photography (1930, 1938)	8
Aerial Photography (various - DOT)	9
Agricultural Output Statistics	9
Air Emissions Inventory	10
Air Quality Permits	10
Ambient Air Monitoring Sites	11
Ambient Water Quality Monitoring Sites	11
Anadromous Fish Areas	12
Aquifers	12
Artificial Reefs	13
Baseline Ecological Data (Vegetation and Bottom Type)	13
Bathymetry	14
Bay Scallops	14
Big Game Kill Reports	15
Blue Crab Shell Disease	15
Boat Registrations	16
Boating Access Areas	16
Bottom Sediment Sample Locations	17
Building Permits	17
CAMA Major Development Permits	18
Census of Agriculture	18
Census of Manufactures/Mineral Industries	19
Census of Wholesale and Retail Trade	19
Citizen Water Quality Monitoring Sites	20
Coastal Reserves	20
Colonial Waterbird	21
Commercial Landings	21

Contaminants Monitoring 22
County Boundaries 22
County Business Patterns 23
Dam Inventory 23
Detailed Soils 24
Elevation 24
Faunal Use of Marsh Habitats 25
Federal Land Ownership 25
Fish Processing Operations 26
Fisheries Biological Monitoring Sites 26
Fishing Water Jurisdictions 27
Forest Management Planning 27
Furbearer Harvest 28
Game Lands 28
General Soils 29
Geodetic Control Points 29
Geology 30
Hazardous Waste Facilities 30
Heavy Metal and Organic-Rich Mud Pollutants Sample Sites 31
Historic and Archaeological Sites, Buildings, and Structures 31
Hydrodynamics 32
Hydrography 32
Juvenile Menhaden Statistics 33
Land Use and Land Cover 33
Larval and Juvenile Fish 34
Larval Fish Influx into Inlets 34
Lease Blocks 35
Marinas 35
Mechanical Harvest of Clams Permits 36
Military Air Space 36
Mining Permits 37
Municipal Boundaries 37
Mussel Distribution 38
Natural Heritage Inventory 38
Nursery Areas 39
Nutrient Loading Analysis 39
Ocean Fishing Pier Licenses 40
Operating Unit Survey 40
Outdoor Recreation Facility Inventory 41
Outstanding Resource Waters 41
Oyster Cultch Plant Sites 42
Oyster Producing Areas 42
Oyster Recruitment 43
Oyster, Scallop, and Clam Licenses 43
Peat Lands 44
Point Source Dischargers 44
Points of Obstruction to Fish Migration 45

Pollution Incidents 45
Population Estimates/Projections 46
Pound Net Registrations 46
Public Water Supplies (Groundwater Intakes) 47
Recreational Fishery Statistics 47
Sea Turtle Population 48
Seafood Dealer Licenses 48
Seagrass Distribution 49
Seasonal Population 49
Shellfish Evaluation Areas 50
Shoreline Mapping Inventory 50
Smoke Management 51
Solid Waste Facilities 51
State Boundary 52
State Park Boundaries 52
Stream-Gaging Stations 53
Striped Bass Reproduction Monitoring Data 53
Subbasins 54
Submerged Aquatic Vegetation 54
Superfund Sites 55
Surface Water Intakes 55
Tourism Expenditures and Employment 56
Transportation 56
Vertebrate Characterization Abstracts 57
Vessel Licenses/Permits 57
Water Level Monitoring Sites (Groundwater) 58
Water Quality Data (UNC-Chapel Hill) 58
Water Quality Data (East Carolina University) 59
Water Quality Data Analysis (USGS) 59
Water Quality Monitoring Data (East Carolina University) 60
Water Quality Monitoring Sites (Groundwater) (DEHNR) 60
Waterfowl Survey 61
Wetlands and Deep Water Habitats 61
Wildfire Control 62

APPENDIX List of Acronyms 63

INTRODUCTION

The State Center for Geographic Information and Analysis (CGIA), formerly Land Resources Information Service (LRIS), conducted a data needs assessment for the Albemarle-Pamlico Estuarine (A/P) Study in the fall of 1988. The purpose of the data needs assessment was to define the data requirements for the A/P Study Database to be implemented under the A/P Study data management program. The data needs assessment consisted of a multi-step process to obtain the characteristics of existing data and future data needs. This process started with identification of organizations that could contribute to specification of the A/P Study Database and those who were potential users of the database. Interviews were scheduled and completed with representatives of each organization during the September-November 1988 timeframe. Over 50 interviews were conducted involving over 100 people.

An overwhelming majority of those interviewed expressed the desire for an inventory of data collected through the years for the A/P Study area through research, resource management, and other efforts. Users need the data inventory document to include data in both digital and non-digital form. Interviewees often expressed frustration with their lack of knowledge of the existence of data sets pertinent to their research or in their resource management activities. Time and money could potentially be saved in data collection and analysis with knowledge of prior efforts and data.

This document has been prepared as a resource for researchers and resource managers. It includes basic descriptive information about each data set in a summary form and includes the name of a contact person for obtaining more details about the data set. The information presented in the data inventory for each data set was chosen based on comments from interviewees during the data needs assessment. This set of information includes:

Data Set Title	official name of the data set expressed by the data producer
Creation Date	data collection/compilation date(s)
Geographic Coverage	portions of North Carolina included in the data set
Type	indicates whether the data are cartographic, tabular, or both
Format	indicates whether the data are available in digital or non-digital form

Candidate for A/P Database?	indicates whether the data set will be part of the A/P Database
Contact Information	name, organization, address, and telephone number of a person to contact for more information about the data set

The intent of this brief set of information is to provide the reader with enough information to begin to determine the utility of a particular data set and to provide a contact person with whom to discuss its utility.

Data Set Title: 1970 Census Boundaries

Creation Date: early 1970s

Geographic Coverage: statewide

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: 1980 Census Boundaries

Creation Date: early 1980s

Geographic Coverage: statewide

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: 1990 Census Boundaries

Creation Date: 1989

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: A/P Study Area Boundary

Creation Date: 1989

Geographic Coverage: A/P Study area

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Aerial Photography

Creation Date: 1981

Geographic Coverage: Bogue Inlet to Portsmouth Island

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Randy Ferguson
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-8743

Data Set Title: Aerial Photography

Creation Date: 1985

Geographic Coverage: Bogue Inlet to Drum Inlet

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Randy Ferguson
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-8743

Data Set Title: Aerial Photography

Creation Date: 1986

Geographic Coverage: Cape Lookout to Oregon Inlet

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Randy Ferguson
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-8743

Data Set Title: Aerial Photography

Creation Date: 1988

Geographic Coverage: coastal North Carolina

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Randy Ferguson
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-8743

Data Set Title: Aerial Photography

Creation Date: 1930s-1950s

Geographic Coverage: various portions of A/P Study area

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Charles Roe
DEHNR Division of Parks and Recreation (Natural Heritage Program)
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-7701

Data Set Title: Aerial Photography

Creation Date: 1940s, 1980s

Geographic Coverage: lower Roanoke River, Albemarle Sound

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Roger Rulifson
East Carolina University
Institute for Coastal and Marine Resources
Greenville, NC 27858-4353
Telephone: 919-757-6679

Data Set Title: Aerial Photography

Creation Date: various

Geographic Coverage: most A/P Study area counties

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Fred White
DEHNR Division of Forest Resources
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2162

Data Set Title: Aerial Photography

Creation Date: 1930,1938

Geographic Coverage: portions of A/P Study area

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Coleman Long
U.S. Army Corps of Engineers
P.O. Box 1890
Wilmington, NC 28402-1890
Telephone: 919-251-4751

Data Set Title: Aerial Photography

Creation Date: various

Geographic Coverage: portions of A/P Study area

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Charles Bruton
DOT, Division of Highways
P.O. Box 25201
Raleigh, NC 27611
Telephone: 919-733-7842

Data Set Title: Agricultural Output Statistics

Creation Date: various, 1866-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Jim Olson
Department of Agriculture-Agricultural Statistics Division
P.O. Box 27767
Raleigh, NC 27611
Telephone: 919-733-7293

Data Set Title: Air Emissions Inventory

Creation Date: 1970-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Lee Daniel
DEHNR Division of Environmental Management-Air Quality Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3340

Data Set Title: Air Quality Permits

Creation Date: 1974-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Lee Daniel
DEHNR Division of Environmental Management-Air Quality Section
512 N Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3340

Data Set Title: Ambient Air Monitoring Sites

Creation Date: 1972-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

George Murray
DEHNR Division of Environmental Management-Air Quality Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3340

Data Set Title: Ambient Water Quality Monitoring Sites

Creation Date: 1969-present

Geographic Coverage: statewide

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Ken Eagleson
DEHNR Division of Environmental Management-Water Quality Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-5083

Data Set Title: Anadromous Fish Areas

Creation Date: 1983

Geographic Coverage: statewide

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Sara Winslow
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-264-3911

Data Set Title: Aquifers

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Carl Bailey
DEHNR Division of Environmental Management-Groundwater Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3221

Data Set Title: Artificial Reefs

Creation Date: 1987-89

Geographic Coverage: coastal North Carolina

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Steve Murphy
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Baseline Ecological Data (Vegetation and Bottom Type)

Creation Date: 1965,1982

Geographic Coverage: Currituck Sound, White Oak River

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Dave Adams
North Carolina State University
College of Forest Resources, Biltmore Hall
Raleigh, NC 27695
Telephone: 919-737-2892

Data Set Title: Bathymetry

Creation Date: 1930s-1970s

Geographic Coverage: A/P Study area

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Dan Basta
NOAA/National Ocean Service
Ocean Assessments Division
Rockville, MD 20852
Telephone: 301-443-8843

Data Set Title: Bay Scallops

Creation Date: 1989

Geographic Coverage: Pamlico Sound, all sounds from Core Sound southward

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Charles Peterson
UNC Institute of Marine Sciences
3407 Arendell Street
Morehead City, NC 28557
Telephone: 919-726-6841

Data Set Title: Big Game Kill Reports

Creation Date: 1939-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Scott Osborne
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-776-6017

Data Set Title: Blue Crab Shell Disease

Creation Date: 1988-89

Geographic Coverage: Pamlico River

Type: tabular

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Edward J. Noga
North Carolina State University
College of Veterinary Medicine, 4700 Hillsborough Street
Raleigh, NC 27606
Telephone: 919-829-4236

Data Set Title: Boat Registrations

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Randy Wilson
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-7291

Data Set Title: Boating Access Areas

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Randy Wilson
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-7291

Data Set Title: Bottom Sediment Sample Locations

Creation Date: 1950s-present

Geographic Coverage: A/P Study area (Neuse, Roanoke, Pamlico, and Chowan R

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

John Wells
UNC Institute of Marine Sciences
3407 Arendell Street
Morehead City, NC 28557
Telephone: 919-726-6841

Data Set Title: Building Permits

Creation Date: 1945-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Francine Stephenson
North Carolina State Data Center
116 W. Jones Street
Raleigh, NC 27603
Telephone: 919-733-7061

Data Set Title: CAMA Major Development Permits

Creation Date: 1981-83 and 1987-88

Geographic Coverage: coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Rich Shaw
DEHNR Division of Coastal Management
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2293

Data Set Title: Census of Agriculture

Creation Date: 1840-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Francine Stephenson
North Carolina State Data Center
116 W. Jones Street
Raleigh, NC 27603
Telephone: 919-733-7061

Data Set Title: Census of Manufactures/Mineral Industries

Creation Date: 1967-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Francine Stephenson
North Carolina State Data Center
116 W. Jones Street
Raleigh, NC 27603
Telephone: 919-733-7061

Data Set Title: Census of Wholesale and Retail Trade

Creation Date: 1967-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Francine Stephenson
North Carolina State Data Center
116 W. Jones Street
Raleigh, NC 27603
Telephone: 919-733-7061

Data Set Title: Citizen Water Quality Monitoring Sites

Creation Date: 1988-present

Geographic Coverage: Pamlico River, Tar River

Type: cartographic and tabular

Format: partially digital

Candidate for the A/P Database ? yes

Contact Information

Tom Perlic
Pamlico-Tar River Foundation, Inc.
P.O. Box 1854
Washington, NC 27889
Telephone: 919-946-7211

Data Set Title: Coastal Reserves

Creation Date: 1986

Geographic Coverage: coastal North Carolina

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Rich Shaw
DEHNR Division of Coastal Management
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2293

Data Set Title: Colonial Waterbird

Creation Date: unknown

Geographic Coverage: coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Tom Henson
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-946-1969

Data Set Title: Commercial Landings

Creation Date: 1880-present

Geographic Coverage: coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Ken Harris
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-4168

Data Set Title: Contaminants Monitoring

Creation Date: 1987-88

Geographic Coverage: coastal North Carolina

Type: tabular

Format: partially digital

Candidate for the A/P Database ? no

Contact Information

Kate Benkert
U.S. Fish and Wildlife Service
P.O. Box 33726
Raleigh, NC 27611-3726
Telephone: 919-856-4520

Data Set Title: County Boundaries

Creation Date: 1984

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: County Business Patterns

Creation Date: 1964-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Francine Stephenson
North Carolina State Data Center
116 W. Jones Street
Raleigh, NC 27603
Telephone: 919-733-7061

Data Set Title: Dam Inventory

Creation Date: 1967-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Jim Loomis
DEHNR Division of Land Resources
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-4574

Data Set Title: Detailed Soils

Creation Date: various, 1970s-1980s

Geographic Coverage: selected North Carolina counties

Type: cartographic and tabular

Format: partially digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Elevation

Creation Date: 1980s

Geographic Coverage: statewide at 100-meter resolution, portions at 30-meter res

Type: cartographic

Format: partially digital

Candidate for the A/P Database ? yes

Contact Information

Earth Sciences Information Center
U.S. Geological Survey
507 National Center
Reston, VA 22092
Telephone: 703-860-6045

Data Set Title: Faunal Use of Marsh Habitats

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Gordon Thayer
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-8747

Data Set Title: Federal Land Ownership

Creation Date: 1977

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Fish Processing Operations

Creation Date: 1950-present

Geographic Coverage: A/P Study area

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Ken Harris
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-4168

Data Set Title: Fisheries Biological Monitoring Sites

Creation Date: 1984

Geographic Coverage: A/P Study area

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Paul Phalen
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Fishing Water Jurisdictions

Creation Date: 1983

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

George Smith
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3391

Data Set Title: Forest Management Planning

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Fred White
DEHNR Division of Forest Resources
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2162

Data Set Title: Furbearer Harvest

Creation Date: 1939-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Perry Sumner
Wildlife Resources Commission
512 N Salisbury Street
Raleigh, NC 27611
Telephone: 919-636-3414

Data Set Title: Game Lands

Creation Date: 1988-89

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Richard Hamilton
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3391

Data Set Title: General Soils

Creation Date: 1979,1988

Geographic Coverage: statewide

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Geodetic Control Points

Creation Date: 1980s

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Gary Thompson
DEHNR Division of Land Resources-Geodetic Survey Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3836

Data Set Title: Geology

Creation Date: 1984

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Hazardous Waste Facilities

Creation Date: 1984-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Dave Mason
DEHNR Division of Solid Waste Management
401 Oberlin Road
Raleigh, NC 27605
Telephone: 919-733-2178

Data Set Title: Heavy Metal and Organic-Rich Mud Pollutants Sample Sites

Creation Date: 1987-90

Geographic Coverage: Pamlico River, Neuse River, Albemarle Sound

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Stanley Riggs
East Carolina University
Department of Geology
Greenville, NC 27858
Telephone: 919-757-6360

Data Set Title: Historic and Archaeological Sites, Buildings, and Structures

Creation Date: 1980s

Geographic Coverage: statewide

Type: cartographic and tabular

Format: partially digital

Candidate for the A/P Database ? yes

Contact Information

Renee Gledhill-Early
DCR Division of Archives and History-Historic and Archaeologic Section
109 E. Jones Street
Raleigh, NC 27611
Telephone: 919-733-4763

Data Set Title: Hydrodynamics

Creation Date: 1988-89

Geographic Coverage: Croatan and Roanoke Sounds

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Leonard Pietrafesa
North Carolina State University
Department of Marine, Earth, and Atmospheric Sciences, Box 8209
Raleigh, NC 27695
Telephone: 919-737-3711

Data Set Title: Hydrography

Creation Date: 1982,1986,1987

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Juvenile Menhaden Statistics

Creation Date: 1966-69,1972-78,1979-86

Geographic Coverage: A/P Study area

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Dean Ahrenholz
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-8757

Data Set Title: Land Use and Land Cover

Creation Date: 1988-89

Geographic Coverage: A/P Study area

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Larval and Juvenile Fish

Creation Date: unknown

Geographic Coverage: Pamlico Sound

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

John Miller
North Carolina State University
Box 7617, Department of Zoology
Raleigh, NC 27695-7617
Telephone: 919-737-3495

Data Set Title: Larval Fish Influx into Inlets

Creation Date: unknown

Geographic Coverage: Beaufort, Ocracoke, and Oregon Inlets

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

William Hettler
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-8770

Data Set Title: Lease Blocks

Creation Date: 1982

Geographic Coverage: A/P Study area, coastal and offshore North Carolina

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Marinas

Creation Date: 1988-present

Geographic Coverage: A/P Study area, coastal North Carolina

Type: cartographic and tabular

Format: non-digital

Candidate for the A/P Database ? yes

Contact Information

Pat Fowler
DEHNR Division of Environmental Health-Environmental Health Services
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-6827

Data Set Title: Mechanical Harvest of Clams Permits

Creation Date: 1974-present

Geographic Coverage: A/P Study area

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Mike Marshall
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Military Air Space

Creation Date: 1987

Geographic Coverage: portions of North Carolina

Type: cartographic

Format: partially digital

Candidate for the A/P Database ? yes

Contact Information

Bill Flournoy
DEHNR Division of Planning and Assessment
512 N Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-6376

Data Set Title: Mining Permits

Creation Date: 1974-present

Geographic Coverage: statewide

Type: tabular

Format: partially digital

Candidate for the A/P Database ? yes

Contact Information

Tom Carroll
DEHNR Division of Land Resources-Land Quality Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-4574

Data Set Title: Municipal Boundaries

Creation Date: 1984,1986,1988

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Mussel Distribution

Creation Date: 1988-89

Geographic Coverage: Tar-Pamlico River basin

Type: cartographic and tabular

Format: partially digital

Candidate for the A/P Database ? yes

Contact Information

John Alderman
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-542-5331

Data Set Title: Natural Heritage Inventory

Creation Date: 1988-89

Geographic Coverage: statewide

Type: cartographic and tabular

Format: non-digital

Candidate for the A/P Database ? yes

Contact Information

Charles Roe
DEHNR Division of Parks and Recreation (Natural Heritage Program)
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-7701

Data Set Title: Nursery Areas

Creation Date: 1984-present

Geographic Coverage: A/P Study area

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Paul Phalen
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Nutrient Loading Analysis

Creation Date: 1988

Geographic Coverage: Neuse River estuary

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Hans Paerl
UNC Institute of Marine Sciences
3407 Arendell Street
Morehead City, NC 28557
Telephone: 919-726-6841

Data Set Title: Ocean Fishing Pier LIcenses

Creation Date: 1974-present

Geographic Coverage: coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Mary Jo Roberts
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Operating Unit Survey

Creation Date: 1979-present

Geographic Coverage: A/P Study area, coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Ken Harris
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-4168

Data Set Title: Outdoor Recreation Facility Inventory

Creation Date: 1971-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Carol Tingley
DEHNR Division of Parks and Recreation
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-846-9991

Data Set Title: Outstanding Resource Waters

Creation Date: 1989

Geographic Coverage: A/P Study area

Type: cartographic

Format: non-digital

Candidate for the A/P Database ? yes

Contact Information

Steve Zoufaly
DEHNR Division of Environmental Management-Water Quality Section
512 N Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-5083

Data Set Title: Oyster Cultch Plant Sites

Creation Date: 1984

Geographic Coverage: A/P Study area

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Mike Marshall
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Oyster Producing Areas

Creation Date: 1983

Geographic Coverage: North and central areas of North Carolina coast

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Mike Marshall
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Oyster Recruitment

Creation Date: 1988

Geographic Coverage: Jones Bay

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

John Sutherland
Duke University Marine Laboratory
(no street address)
Beaufort, NC 28516
Telephone: 919-728-2111

Data Set Title: Oyster, Scallop, and Clam Licenses

Creation Date: 1974-present

Geographic Coverage: A/P Study area, coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Mary Jo Roberts
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Peat Lands

Creation Date: 1982

Geographic Coverage: Dare, Hyde, Tyrrell, and Washington counties

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Point Source Dischargers

Creation Date: unknown

Geographic Coverage: statewide

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Dennis Ramsey
DEHNR Division of Environmental Management-Water Quality Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-5083

Data Set Title: Points of Obstruction to Fish Migration

Creation Date: 1988

Geographic Coverage: A/P Study area

Type: tabular

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Ries Collier
U.S. Fish and Wildlife Service
P.O. Box 25039
Raleigh, NC 27611-5039
Telephone: 919-856-4520

Data Set Title: Pollution Incidents

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Carl Bailey
DEHNR Division of Environmental Management-Groundwater Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3221

Data Set Title: Population Estimates/Projections

Creation Date: 1965-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Francine Stephenson
North Carolina State Data Center
116 W. Jones Street
Raleigh, NC 27603
Telephone: 919-733-7061

Data Set Title: Pound Net Registrations

Creation Date: 1974-present

Geographic Coverage: A/P Study area, coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Juanita Gaskill
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Public Water Supplies (Groundwater Intakes)

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

John McFadyen
DEHNR Division of Environmental Health-Public Water Supply Section
1330 Saint Mary's Street
Raleigh, NC 27602
Telephone: 919-733-2321

Data Set Title: Recreational Fishery Statistics

Creation Date: 1979-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Paul Phalen
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Sea Turtle Population

Creation Date: 1976-present

Geographic Coverage: coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tom Henson
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-946-1969

Data Set Title: Seafood Dealer Licenses

Creation Date: 1974-present

Geographic Coverage: A/P Study area, coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Mary Jo Roberts
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Seagrass Distribution

Creation Date: 1987-88

Geographic Coverage: coastal and inland North Carolina waters

Type: tabular

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Graham Davis
East Carolina University
Department of Biology
Greenville, NC 27858
Telephone: 919-757-6310

Data Set Title: Seasonal Population

Creation Date: 1988

Geographic Coverage: A/P Study area

Type: tabular

Format: non-digital

Candidate for the A/P Database ? no

Contact Information

Paul Tschetter
East Carolina University
Department of Sociology and Anthropology
Greenville, NC 27858
Telephone: 919-757-6883

Data Set Title: Shellfish Evaluation Areas

Creation Date: 1980s

Geographic Coverage: A/P Study area

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Bob Benton
DEHNR Division of Environmental Health-Environmental Health Services
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-6827

Data Set Title: Shoreline Mapping Inventory

Creation Date: 1988

Geographic Coverage: A/P Study area, coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Mark Brinson
East Carolina University
Institute for Coastal and Marine Sciences
Greenville, NC 27858
Telephone: 919-757-6718

Data Set Title: Smoke Management

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Fred White
DEHNR Division of Forest Resources
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2162

Data Set Title: Solid Waste Facilities

Creation Date: 1970s-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

J. Gordon Layton
DEHNR Division of Solid Waste Management
401 Oberlin Road
Raleigh, NC 27605
Telephone: 919-733-0692

Data Set Title: State Boundary

Creation Date: 1977

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: State Park Boundaries

Creation Date: 1984-present

Geographic Coverage: statewide

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Carol Tingley
DEHNR Division of Parks and Recreation
12700 Bayleaf Church Road
Raleigh, NC 27614
Telephone: 919-846-9991

Data Set Title: Stream-Gaging Stations

Creation Date: 1912-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Jerad Bales
U.S. Geological Survey
P.O. Box 2857
Raleigh, NC 27601-2857
Telephone: 919-856-4791

Data Set Title: Striped Bass Reproduction Monitoring Data

Creation Date: 1955-present

Geographic Coverage: Roanoke River, Tar River, Pamlico Sound

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Roger Rulifson
East Carolina University
Institute for Coastal and Marine Resources
Greenville, NC 27858-4353
Telephone: 919-757-6779

Data Set Title: Subbasins

Creation Date: 1982

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Submerged Aquatic Vegetation

Creation Date: 1981,1985,1986

Geographic Coverage: Core and Bogue Sounds

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Gordon Thayer
NOAA/National Marine Fisheries Service
Southeast Fisheries Center, Beaufort Laboratory
Beaufort, NC 28516-9722
Telephone: 919-728-8747

Data Set Title: Superfund Sites

Creation Date: 1988-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Lee Crosby
DEHNR Division of Solid Waste Management
401 Oberlin Road
Raleigh, NC 27605
Telephone: 919-733-2801

Data Set Title: Surface Water Intakes

Creation Date: unknown

Geographic Coverage: statewide

Type: cartographic and tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Steve Zoufaly
DEHNR Division of Environmental Management-Water Quality Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-5083

Data Set Title: Tourism Expenditures and Employment

Creation Date: 1957-present

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tom Harper
North Carolina Department of Commerce, Division of Travel and Tourism
430 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-4171

Data Set Title: Transportation

Creation Date: 1986-87

Geographic Coverage: statewide

Type: cartographic

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Tim Johnson
State Center for Geographic Information and Analysis
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2090

Data Set Title: Vertebrate Characterization Abstracts

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

John Alderman
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-546-5331

Data Set Title: Vessel Licenses/Permits

Creation Date: 1974-present

Geographic Coverage: A/P Study area, coastal North Carolina

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Mary Jo Roberts
DEHNR Division of Marine Fisheries
P.O. Box 769
Morehead City, NC 28557
Telephone: 919-726-7021

Data Set Title: Water Level Monitoring Sites (Groundwater)

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Carl Bailey
DEHNR Division of Environmental Management-Groundwater Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3221

Data Set Title: Water Quality Data

Creation Date: 1988-89

Geographic Coverage: Northampton and Halifax counties

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Edward Kuenzler
UNC-Chapel Hill, Department of Environmental Sciences and Engineering
CB# 7400 Rosenau Hall
Chapel Hill, NC 27599-7400
Telephone: 919-966-1172

Data Set Title: Water Quality Data

Creation Date: unknown

Geographic Coverage: Neuse River

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Donald Stanley
East Carolina University
Institute for Coastal and Marine Resources
Greenville, NC 27858
Telephone: 919-757-6220

Data Set Title: Water Quality Data Analysis

Creation Date: 1950s-present

Geographic Coverage: A/P Study area

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Jerad Bales
U.S. Geological Survey
P.O. Box 2857
Raleigh, NC 27601
Telephone: 919-856-4791

Data Set Title: Water Quality Monitoring Data

Creation Date: 1967-86

Geographic Coverage: Pamlico River

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Donald Stanley
East Carolina University
Institute for Coastal and Marine Resources
Greenville, NC 27858
Telephone: 919-757-6220

Data Set Title: Water Quality Monitoring Sites (Groundwater)

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? yes

Contact Information

Carl Bailey
DEHNR Division of Environmental Management-Groundwater Section
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-3221

Data Set Title: Waterfowl Survey

Creation Date: unknown

Geographic Coverage: Roanoke Island area

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Dennis Luszcz
Wildlife Resources Commission
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-482-8889

Data Set Title: Wetlands and Deep Water Habitats

Creation Date: 1980s

Geographic Coverage: A/P Study area

Type: cartographic and tabular

Format: non-digital

Candidate for the A/P Database ? yes

Contact Information

L.K. Gantt
U.S. Fish and Wildlife Service
P.O. Box 25039
Raleigh, NC 27611-5039
Telephone: 919-856-4520

Data Set Title: Wildfire Control

Creation Date: unknown

Geographic Coverage: statewide

Type: tabular

Format: digital

Candidate for the A/P Database ? no

Contact Information

Fred White
DEHNR Division of Forest Resources
512 N. Salisbury Street
Raleigh, NC 27611
Telephone: 919-733-2162

APPENDIX

LIST OF ACRONYMS

A/P Study	Albemarle-Pamlico Estuarine Study
CAMA	Coastal Area Management Act
CGIA	Center for Geographic Information and Analysis
DCR	North Carolina Department of Cultural Resources
DEHNR	North Carolina Department of Environment, Health, and Natural Resources
DOT	North Carolina Department of Transportation
LRIS	Land Resources Information Service
NOAA	National Oceanic and Atmospheric Administration
UNC	University of North Carolina
USGS	United States Geological Survey