



SIGNIFICANT HABITATS AND HABITAT COMPLEXES OF THE NEW YORK BIGHT WATERSHED

U.S. FISH AND WILDLIFE SERVICE

SOUTHERN NEW ENGLAND - NEW YORK BIGHT COASTAL ECOSYSTEMS PROGRAM

CHARLESTOWN, RHODE ISLAND

COMPLETED NOVEMBER 1996 PUBLISHED NOVEMBER 1997



click image for table of contents

Significant Habitats and Habitat Complexes of the New York Bight Watershed

Table of Contents



click image for title page

EXECUTIVE SUMMARY

ACKNOWLEDGMENTS

INTRODUCTION

Background of Project

Geographic Boundaries and Area

Regionwide Threats and Conservation Considerations

Watershed or Ecosystem Approach

Methodology

PHYSIOGRAPHIC SETTING

Regional Geomorphology

Geomorphic or Physiographic Provinces

REGIONAL SPECIES AND COMMUNITY CHARACTERIZATIONS

Legally Protected Species

Federally Listed Endangered and Threatened Species

State-listed Species

Species Groups of Special Interest

Waterfowl

Coastal Colonial Waterbirds

Seabirds

1. Cape May Peninsula

ATLANTIC COASTAL PLAIN (Maps)

New Jersey Atlantic Coastal Watershed

2. New Jersey Pinelands

Page 2 of 5

New Jersey Barrier Beach/Backbarrier Lagoon System

- 3. Great Egg Harbor Estuary
- 4. Brigantine Bay and Marsh Complex
- 5. Mullica River Great Bay Estuary
- 6. Barnegat Bay Complex

Long Island Atlantic Coastal Watershed

- 7. Montauk Peninsula
- 8. Long Island Pine Barrens Peconic River Complex
- 9. Long Island Grasslands
- 10. Long Pond Greenbelt

Long Island Barrier Beach/Backbarrier Lagoon System

- 11. South Fork Atlantic Beaches
- 12. Shinnecock Bay
- 13. Moriches Bay
- 14. Great South Bay
- 15. Hempstead Bays South Oyster Bay Complex

NEW YORK - NEW JERSEY HARBOR URBAN CORE (Map)

New York - New Jersey Harbor Estuary (Summary Chapter)

- 16. Jamaica Bay and Breezy Point
- 17. Raritan Bay Sandy Hook Bay Complex
- 18. Arthur Kill Complex
- 19. Hackensack Meadowlands

East River/Western Long Island Sound

20. The Narrows

Hudson River Estuary

21. Lower Hudson River Estuary

(Mid-Hudson River Estuary and Upper Hudson River Estuary listed below under Appalachian Ridge and Valley)

PIEDMONT LOWLANDS (Newark Basin) (Map)

Traprock Ridges

- 22. The Palisades
- 23. Preakness Mountain

Glacial Lake Basins

24. Passaic Meadows

(Arthur Kill Complex and Hackensack Meadowlands listed above under New York - New Jersey Harbor)

NEW ENGLAND UPLANDS (Maps)

New York - New Jersey Highlands

25. New York - New Jersey Highlands

Taconic Highlands

26. Harlem Valley Calcareous Wetlands Complex

APPALACHIAN RIDGE AND VALLEY (Maps)

Wallkill/Hudson Valley

- 27. <u>Dutchess County Wetlands Complex</u>
- 28. Shawangunk Kill
- 29. Upper Wallkill River Valley
- 30. Albany Pine Bush

Ridge Systems

31. Shawangunk - Kittatinny Ridge

Hudson River Estuary

- 32. Mid-Hudson River Estuary
- 33. <u>Upper Hudson River Estuary</u>

(Lower Hudson River Estuary listed above under New York - New Jersey Harbor)

ALLEGHENY PLATEAU (Map)

Catskills

34. Catskill High Peaks

Helderberg Highlands

35. Helderberg Escarpment

APPENDICES

Appendix I

<u>List of Animal Species of Special Emphasis</u> in the New York Bight Watershed study area (Note: may take several minutes to download.)

<u>List of Plant Species of Special Emphasis</u> in the New York Bight Watershed study area (Note: may take several minutes to download.)

Definitions of Ranks Used in List

Appendix II

Rare Natural Communities

Cross-Reference Table of Natural Communities

Appendix III

List of U.S. Fish and Wildlife Service and State Environmental Agency Offices

U.S. Fish and Wildlife Service Southern New England - New York Bight Coastal Ecosystems Program P.O. Box 307 Charlestown, Rhode Island 02813 (401) 364-9124

Joseph Dowhan, Project Leader Thomas Halavik, Senior Biologist Andrew Milliken, Senior Biologist Andrew MacLachlan, Biologist/GIS Specialist Marcianna Caplis, Outreach Specialist Kelly Lima, GIS Technician Andrew Zimba, Cartographic Technician

A STATE OF THE STA