

# National Wetlands Inventory

## Northern New Jersey Strategic Mapping

### Map Report

Prepared by John Swords

U.S. Fish and Wildlife Service

Region 5

June 24, 2002

## **I. Introduction**

The United States Fish and Wildlife Service's National Wetlands Inventory (NWI) is updating maps showing and classifying the wetlands and deepwater habitats of the United States. Classification of Wetlands and Deepwater Habitats of the United States, by Cowardin et al. (1979) is the document used by NWI to define and classify wetlands.

## **II. Field Reconnaissance**

### **A. Project Area**

21 quads in Northern New Jersey (Newark NE, Scranton SE and Hartford SW)

### **B. Field Personnel**

John Swords – Region 5 ARWC

Gabe DeAlessio

Lisa Reisner

Lauren McCubbin

Megan Shaffer

### **C. Field Dates**

May 6-7, 2002

### **D. Aerial Photography**

Aerial photography for these updates was 1:40K CIR March and April 1995

## **III. Physical Description of Project Area**

The project area is in northern New Jersey and is largely urbanized, but large vegetated tracts still exist that include wetlands. The northern part of the project area has some mountainous areas (but development is moving in) as the western part has both suburbia and farmland.

## **IV. Description of Wetland Habitats**

Standard Region 5 NWI conventions are used throughout the project area.

### **Riverine System**

- 1) R1, R2, R3 and R4

### **Palustrine System**

- 1) The "B" water regime is used to identify both flatwood and associated "flats" and slope wetlands
- 2) The subclass "5" is used in both the Palustrine and estuarine systems to identify Phragmites.

**V. Commonly Observed Wetland Vegetation**

Forested - Red Maple, Sweet Gum  
Emergent - Phragmites, cattail

**VI. Water Regime Description**

Standard Region 5 NWI conventions which includes the "E" water regime

**VII. Imagery and Digital Transfer Scope**

Both 1:40,000 CIR aerial photography and DOQs were used in the interpretation of the wetland data. The updated NWI was interpreted from the air photos, but the data itself is aligned to the DOQs.

**VIII. Photographic Conventions**

- 1) Intermittent streams and ditches on the USGS Hydro DLG have been checked and included.
- 2) "Dot" delineations are not to be used in Region 5. Minimum mapping unit may be considered 1 acre, although single, smaller emergent wetlands and ponds were pulled out wherever possible.

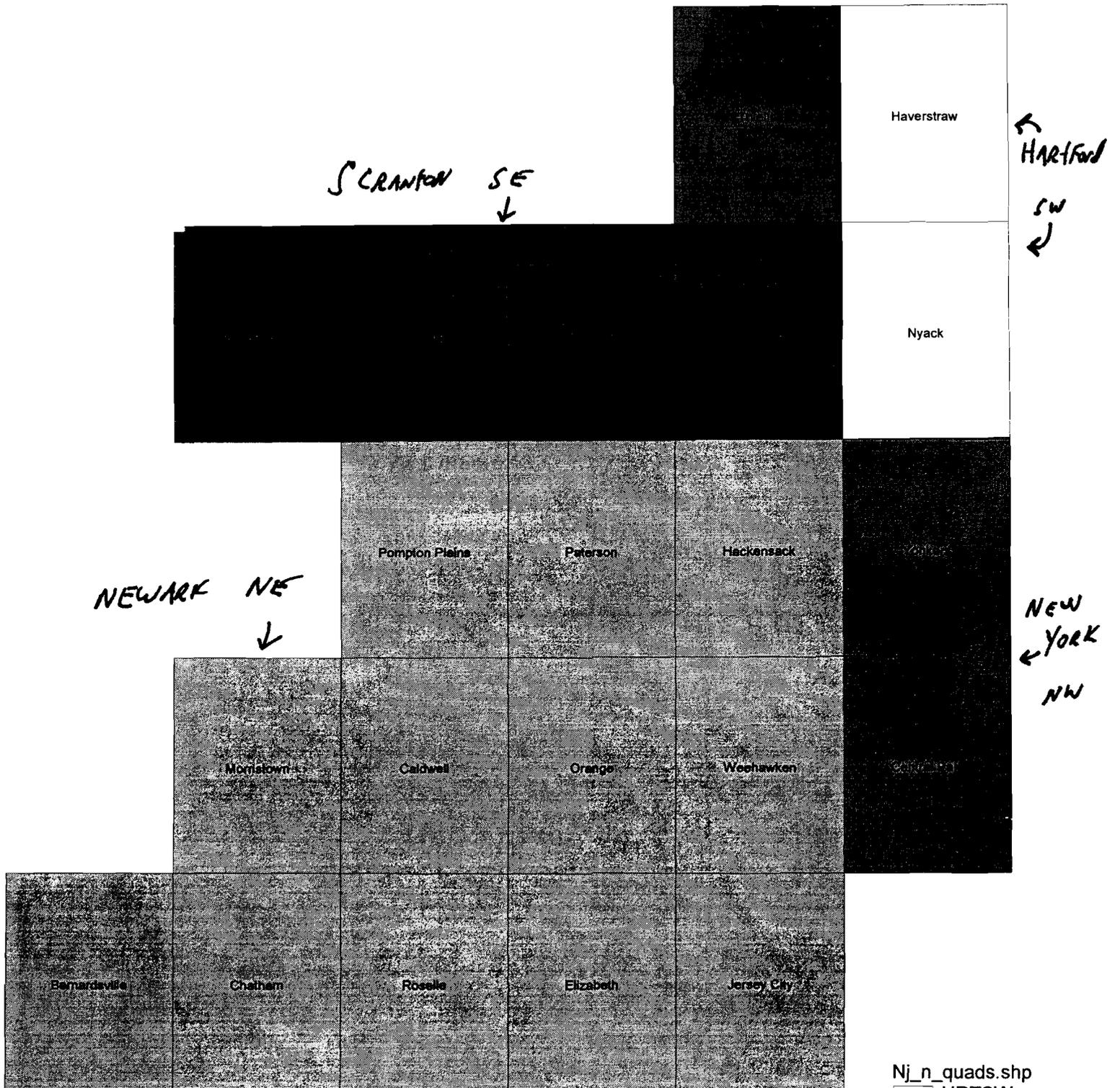
**IX. Map Preparation**

The DTS was used to delineate and classify all updates. DOQs were used as the baseline for all of the wetland data since New Jersey wetland data was the initial source and was aligned to the orthos. Collateral data was used to create the product wherever applicable. For the following 3 quads the projection was in UTM (Nyack, Theils and Haverstraw) all others the projection is in state plane. Maps were produced in ArcView at 1:24,000 scale.

**X. Disclaimer**

No special situations other than those above noted fall within this project area.

Northern NJ Project Area, 2002



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HRTSW  
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