



OFFICE OF FISH AND WILDLIFE INFORMATION SYSTEMS

MONTHLY REPORT

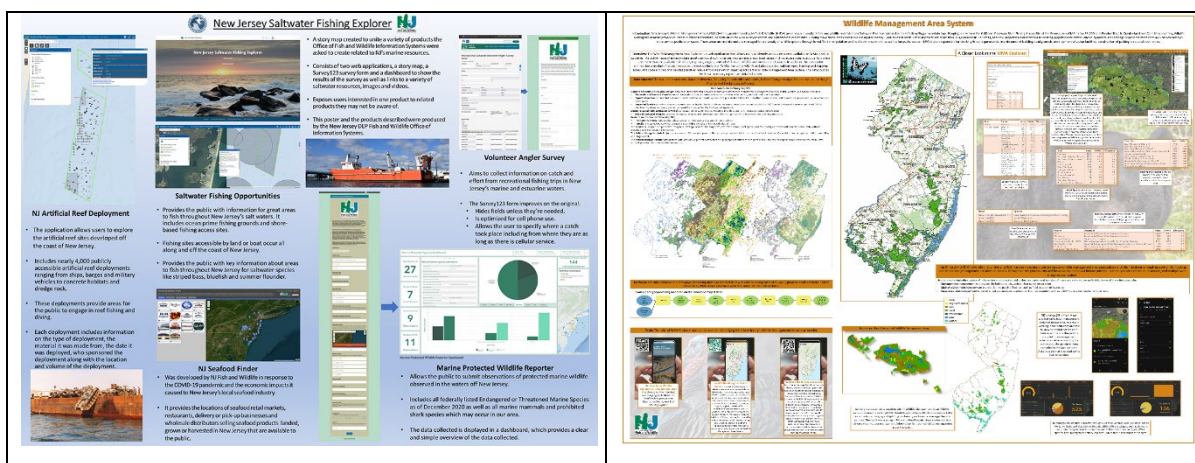
November 2023
(October 16th, 2023 – November 15th, 2023)

Patrick Woerner, Geographic Information Systems Specialist
Kevin Blythe, Geographic Information Systems Specialist
Brian Henderson, Geographic Information Systems Specialist
Molly VanWieren, Geographic Information Systems Specialist

Temporary/Seasonal Employees: Joseph DeCeglia
Olivia Hrymoc
Patrick Lombardi

ADMINISTRATION

- The Office of Fish and Wildlife Information Systems (OIS) has 39 projects in progress and one new project requested through the GIS Project Request Form.
- Office of Fish & Wildlife Information Systems (OIS) attended the Northeast Arc Users Group (NEARC) Conference in New Haven, Connecticut. OIS staff attended several presentations by GIS professionals, presented three posters, and presented at a concurrent session. OIS GIS Specialist Brian Henderson won 1st place for his poster presentation on the [New Jersey Saltwater Fishing Explorer](#). Molly VanWieren also won the “People’s Choice Award” for her poster presentation on the [New Jersey Wildlife Management Area Explorer](#).



- The Office of Fish and Wildlife Information Systems (OIS) has 39 projects in progress and one new project requested through the GIS Project Request Form.
- OIS held a quarterly meeting with NJ Fish & Wildlife Bureau/Unit GIS Points of Contact (POC) to share information related to GIS planning and needs across the various bureaus in NJFW.
- OIS represented NJFW at the GIS User Group Program Representative Meeting.

GIS DATA DEVELOPMENT

Shellfish Aquaculture Lease Lot Data

- OIS is working with BGIS to develop the finalized versioned editing and NJEMS interoperability

Freshwater Fishing Opportunities and Access

- OIS began work on the statewide freshwater fishing regulations application based on the completed pilot project.

New Jersey Statewide Trails Dataset

- No update.

Diadromous Fish Habitat Mapping and Timing Restrictions

- OIS continues to coordinate with the Bureau of Freshwater Fisheries to analyze streams based on dams and anadromous inventory points.

Wildlife Management Area Boundary Alignment

- OIS staff continued to organize the files already scanned and mapped for review by Lands Management and have also developed and documented the revised workflow that will be used as the project continues on.

Landscape Project

- OIS continues to manage the Landscape Project mapping update in coordination with ENSP.

Hard Clam (Estuarine) Survey Mapping

- The dataset has been submitted for publication and is expected to be released within the next month.

Wildlife Management Area System Inventory

- OIS is still in the process of reviewing and modifying nearly 20,000 habitat patches to ensure accurate recording of related WMA activities.

Digitization of Law Enforcement's Marine Patrol Areas

- OIS staff made a requested revision to the Marine Patrol Areas and returned to Law Enforcement for review and approval.

GIS ANALYSIS

Ocean Trawl Survey Environmental/Biological Analysis

- No update.

Habitat Change Analysis Project (HCAP)

- OIS met with Rowan University to discuss a timeline and scope of work for this project.

Summer flounder distribution by size and sex

- No update.

Encroachments

- OIS continues to identify potential encroachments on Wildlife Management Area properties.

CARTOGRAPHIC PRODUCTION

Bear Incident Mapping for Sustainable Waste Management

- OIS has begun the work to produce maps of bear incidents in three municipalities from 2018-2023.

WEB MAP/APP PRODUCTION

SGCN Rehabilitator Map

- OIS staff met with Wildlife Management to discuss the creation of a web map showing the location of wildlife rehabilitators throughout the state and what functionality is needed/desired. Currently waiting to receive updated information before beginning to work on the product.

Deer Disease Sighting Survey

- No update.

Hunting & Trapping Explorer

- Updates were made to reflect new data on closed areas.

Wildlife Management Area Explorer

- Updates were made to reflect new data on closed areas.

Saltwater Fishing Explorer

- No update.

Freshwater Fishing Explorer

- No update.

Conservation Focal Area Application

- No update.

Marine Resources GeoHub

- No update.

Shared Wildlife Health Information System (SWHIS)

- No update.

Wild Turkey Brood Sighting Survey

- No update.

Turkey Permit Sales and Harvests Dashboard

- No update.

Northeast Regional Conservation Priorities web application

- No update.

Fishing and Hunting License Agent Locator web application

- No update.

GPS/FIELD DATA COLLECTION

- GPS data collection is complete for 47 WMAs with 5 in progress. 602 points, lines, and polygons have been collected.

GIS TECHNICAL GUIDANCE

- OIS staff responded to internal and external inquiries regarding various datasets and applications, including Landscape Project and the Hunting & Trapping Explorer.