



OFFICE OF FISH AND WILDLIFE INFORMATION SYSTEMS

MONTHLY REPORT

November 2024
(October 16th, 2024 – November 15th, 2024)

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ADMINISTRATION

- The Office of Fish and Wildlife Information Systems (OIS) has 42 projects in progress and no new projects requested through the GIS Project Request Form.
- OIS is managing the update of the Landscape Project Maps and participated in several Landscape Project and E&T Rule update meetings.
- OIS attended several meetings with Motorola on the new Computer-Aided Dispatch (CAD) system for the Bureau of Law Enforcement (BLE) and is engaged in mapping and GIS data development and maintenance related to the CAD system.
- OIS attended the Mid-Atlantic Chapter of Urban and Regional Information Systems Association Conference.
- OIS attended the Northeast Arc Users Group Conference (NEARC) held in Burlington, VT.
- OIS presented at, and organized activities for, the Fish and Wildlife Experience for orienting new NJDEP Fish and Wildlife employees.
- 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 NJ Fish & Wildlife at the NJDEP GIS User Group Program Representative Meeting.

GIS DATA DEVELOPMENT

Shellfish Aquaculture Lease Lot Data

- OIS continues to review any edits to the current shellfish lease lot data and posts the edits for shellfisheries staff.

Freshwater Fishing Opportunities and Access

- The next steps for the fishing regulations application, publishing the data and setting up the online application, have been postponed until the update to the Landscape Project is completed.

New Jersey Statewide Trails Dataset

- No updates.

Diadromous Fish Habitat Mapping and Timing Restrictions

- No updates.

Wildlife Management Area Boundary Alignment

- OIS staff scanned the documentation for 31 parcels and mapped the boundaries of 14 parcels on 3 WMAs.
- OIS staff has had a series of meetings Lands Management and Green Acres staff to discuss the WMA boundary alignment project and the best way to survey parcels of land with areas of possible encroachment that have never had a survey with coordinates conducted.

Landscape Project

- OIS continues to manage the Landscape Project mapping update in coordination with ENSP, Bureau of Freshwater Fisheries and Bureau of Marine Fisheries.
- GIS data was submitted for publication into the NJDEP's Enterprise System with a target public release date as early as 12/2/2024 and as late as 1/13/2025.
- OIS staff are working on the final Landscape Project report, including adding citations for species' LULC selections and formatting the main report and appendices.
- OIS is working on creating an Experience Builder to display the new version.

Hard Clam (Estuarine) Survey Mapping

- No updates.

Wildlife Management Area System Inventory

- OIS completed inventories of 11 Wildlife Management Areas, collecting GPS data on various types of infrastructure.
- OIS is in the process of compiling the data over the past two years and conforming the schema to that of the Enterprise GIS data so it will be reflected in the WMA Explorer application.

- OIS is in the process of adjusting WMA boundaries.

Law Enforcement CAD System

- OIS continues to be engaged in mapping and GIS data development and maintenance related to the CAD system.

GIS ANALYSIS

Ocean Trawl Survey Environmental/Biological Analysis

- No update.

Habitat Change Analysis Project (HCAP)

- OIS is in the process of reviewing sample data and infographics sent by Rowan University's GeoLab.

Tracking Encroachments on WMAs

- An encroachment policy and resolution process with clearly defined roles for each organizational unit needs to be formalized by management in order for the tool to be effectively developed and implemented by NJFW.
- Potential encroachments that OIS identified are going through review by BLM staff.

CARTOGRAPHIC PRODUCTION

- No update.

WEB MAP/APP PRODUCTION

Fishing & Hunting License Agent Locator

- License Agents are in the process of being updated.

Deer Disease Sighting Survey

- No updates.

Hunting & Trapping Explorer

- OIS completed several updates, including season dates for the upcoming seasons.
- WMA closures and restricted areas were added to all Hunting & Trapping explorer applications.

Wildlife Management Area Explorer

- Updates were made to reflect WMA closures and restricted areas within the Explorer application.
- Edits were made to existing points of interest and assets.

Saltwater Fishing Explorer

- No updates.

Freshwater Fishing Explorer

- No updates.

Conservation Focal Area Application

- OIS reached out to ENSP to request updated State Wildlife Action Plan (SWAP) information to inform the mapping and application update.

Marine Resources GeoHub

- OIS continues to update this internal application upon request and as necessary.

Shared Wildlife Health Information System (SWHIS)

- OIS staff continues to collaborate with Wildlife Futures Program (WFP) at UPenn and the Timmons Group on the development of SWHIS and a feature service that will include wildlife health events, including animal morbidity and mortality information.

Wild Turkey Brood Sighting Survey

- No updates.

Turkey Permit Sales and Harvests Dashboard

- No updates.

Northeast Regional Conservation Priorities web application

- No updates.

Upland Bird Stocking Areas

- An update was posted for Glassboro WMA to show the area that will no longer be stocked following a recent forest fire.

Landscape Project ArcGIS StoryMap

- OIS staff has begun updating the existing Landscape Project StoryMap to an ArcGIS StoryMap for release alongside the latest version of the Landscape Project.

GPS/FIELD DATA COLLECTION

- GPS data collection of WMA infrastructure continued. See Wildlife Management Area System Inventory above.

GIS TECHNICAL GUIDANCE

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