



OFFICE OF FISH AND WILDLIFE INFORMATION SYSTEMS

MONTHLY REPORT

September 2024
(August 16th, 2024 – September 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.

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

- OIS developed a feature class of New Jersey fish ladders, which was added to the freshwater fishing regulations dataset being readied for publication.

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 63 parcels and mapped the boundaries of 12 parcels on 4 WMAs.
- OIS staff met with Lands Management staff to discuss the WMA boundary alignment project and how to structure a Request for Proposals to bring in more assistance for the project.

Landscape Project

- OIS continues to manage the Landscape Project mapping update in coordination with ENSP, Bureau of Freshwater Fisheries and Bureau of Marine Fisheries.
- A Draft Final Version 3.4 of the Landscape Project dataset will be made available by OIS for internal (NJDEP) review on 9/16/2024.

Hard Clam (Estuarine) Survey Mapping

- No updates.

Wildlife Management Area System Inventory

- OIS completed inventories of 17 northern 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.

Law Enforcement CAD System

- The “go live” date for the CAD system was pushed back until spring 2025 and the weekly meetings about the administrative workflow of the Flex/CAD system were changed to monthly meetings until it is closer to the “go live” date.
- 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 continues to coordinate analysis with Rowan University's Geospatial Research Lab (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

- OIS developed several map outputs for review related to how marine species are depicted in the draft Version 3.4 of the Landscape Project maps.

WEB MAP/APP PRODUCTION

Fishing & Hunting License Agent Locator

- Several new License Agents were added to the web map and a number of License Agents that are no longer Active were removed from the web map so that the web map accurately reflects the location of Active agents.

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

- OIS updated the fall trout stocking schedule.

- OIS updated GIS data within the Great Fishing Close to Home application in response to complaints of trespassing on private property.

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

- The fall pheasant and quail stocking schedule were updated last month.

Landscape Project ArcGIS StoryMap

- OIS staff has begun updating the existing Landscape Project StoryMap to an ArcGIS StoryMap for the release of 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.
- OIS is in the process of acquiring new GPS units to facilitate field data collection using ESRI Field Maps.

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.
- OIS staff, along with OIT resolved an issue with the Windows 11 drivers that was preventing users from printing documents larger than Legal size to the plotter from their desktop PC.
- OIS met with colleagues from BGIS and Parks and Forestry at Washingtons Crossing State Park to review new GPS equipment and field data collection methodologies.
- OIS solved a technical issue preventing us from synching older GPS units on Windows computers.