



# 2021 Ocean Mapping Data Team (OMDT) Progress Report

**Reporting Period:** January 2021 – December 2021

**Work Group Webpage:** <https://www.midatlanticocean.org/ocean-planning/work-groups-collaborative-efforts/ocean-mapping-data-team/> and <https://portal.midatlanticocean.org/>

**Work Group Leads:** Laura McKay (VA)

**Work Group Members:** Work group membership is open to government and non-governmental entities operating in the five Mid-Atlantic states and the District of Columbia that are willing to participate in work group activities. Members are expected to contribute on monthly work group calls and assist with project implementation.

**Current Members Include:**

Last Name	First Name	Organization
Albino Hegeman	Melissa	NY
Barnes	Jerry	USCG
Bathey	Hoyt	DOE
Blair	Devon	NJ
Bognar	John	Portal Team
Bowman	Sarah	DOD
Bozzi	Rhianna	NY
Bristow	Avalon	MARCO
Bruce	Chris	Portal Team
Clouse	Peter	NY
Coakley	Jessica	MAFMC

Cole	Kim	DE
Creelman	Matt	USCG
Edmonds	Ed	MD
Finch	Darlene	NOAA
Ford	Mary	MARACOOS
Hassell	Kevin	NJ
Herter	Jeff	NY
Innes	Mina	NY
Jackson	George	DOT/MARAD
Janeski	Todd	VA
Jones	Michael	DOD
Kuska	Gerhard	MARACOOS
Lathrop	Rick	Portal Team
Leonard	Kelsey	Shinnecock Tribe
Light	David	EPA
MacDonald	Tony	Portal Team
McKay*	Laura	VA
Meade	Nick	VA
Morrison	Marianne	DOD
Napoli	Nick	Portal Team
Ortiz	Pablo	USCG
Pendleton	Elizabeth	USGS
Register	Katie	VA
Ribera	Marta	Portal Team/TNC
Simpson	Doug	USCG
Smith	Jeremy	BOEM
Spiegel	Caleb	USFWS
Taylor	Christine	BOEM
Toschik	Pan	USFWS

Treml	Megan	NOAA
Trimble	Jim	Portal Team
Turner	Lora	BOEM
Vilacoba	Karl	Portal Team
Wadlington	Josh	BOEM
Wilson	Doug	MARACOOS

\* Lead

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**Work Group Goals, Objectives and Actions:** The OMDT is a group of state, federal, and tribal agencies as well as consultants working to promote and develop data products for the MARCO Ocean Data Portal. The 40-member OMDT meets quarterly and advises the MARCO Management Board on data and tools to be added to the Portal. There is a wide range of [ocean data presented on the Portal](#) including (but not limited to): administrative boundaries, marine life abundance, oceanography, and human uses.

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**ACTIVITY 1 - Update existing maps on the Portal to keep them current and ensure they reflect the latest available data.**

**Expected Completion Date:** Ongoing

**A1 Progress Period:** January 2021 - June 2021

The following is a sample of the maps/datasets that were updated to reflect the latest data for the January - June 2021 reporting period:

- The BOEM Wind Planning Areas map was updated to include nearly 800,000 acres of newly designated Wind Energy Areas in the New York Bight. Older maps showing areas that were previously under consideration for wind development in the New York Bight were retired, but will remain on the Staging site for the time being.
- Several map layers and collections were reorganized into two new themes in Marine Planner, Water Quality and Seafloor Habitat.

**A1 Progress Period:** July 2021 - December 2021

The following is a list of maps/datasets that were updated to reflect the latest data for the July - December 2021 reporting period:

- The Regional Bathymetry, Seabed Forms and Soft Sediments by Grain Size layers were replaced with updated versions created by TNC as part of its Virginia CZM-funded offshore wind tool project.
  - The MDAT fish species and groups maps were updated to incorporate three additional years of data so they now cover a full decade (2010-19).
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## **ACTIVITY 2 - Add new data/maps to the Portal.**

**Expected Completion Date:** Ongoing

### **A2 Progress Period:** January 2021 - June 2021

The following is a sample of the maps/datasets added in the January - June 2021 reporting period:

- USCG Chesapeake Bay Approaches PARS Proposed Fairways
- BOEM NY Bight Proposed Transit Corridors (2.44 nautical mile width) and BOEM NY Bight Proposed Wind Energy Areas for 2021 Lease Sale
- AIS Vessel Transit Counts (2020) and AIS 2020 Monthly Data Sliders
- Northeast Fishing Effects Model maps (roughly 350)
- 45 maps added to Fishing Management Areas
- USCG Proposed Ambrose Anchorage Ground
- Modeled Shoals in Federal Waters
- EPA ATTAINS Assessment Areas
- Artificial Reefs: New York Proposed Expansions and New Sites

### **A2 Progress Period:** July 2021 – December 2021

The following is a list of maps/datasets added in the July - December 2021 reporting period:

- Sea Scallops 2016-2018 Potential Reproductive Output
- Recreational Fishing: Party/Charter 1996-2015
- Black-Capped Petrel Individual Movement Tracks
- MARACOOS Bottom Temperature Monthly Slider
- Port Access Route Study: New Jersey/Approaches to Delaware Bay
- Balloon and Other Debris Mid-Atlantic Beach Monitoring Surveys
- Proposed PAM 40km Grid Cells
- Proposed PAM Stations (40km)
- Proposed PAM 20km Grid Cells
- Proposed PAM Stations (20km)
- Current PAM Deployments
- PAM Detections of NARW Since 2010

- Port Access Route Study: Northern New York Bight
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**ACTIVITY 3 - Add new or update existing tools to ensure the Portal is user friendly and best accommodates users' work needs.**

**Expected Completion Date:** Ongoing

**A3 Progress Period:** January 2021 - June 2021

The following is a sample of the tool and site enhancements made in the January - June 2021 reporting period:

- With the Portal's technology stack updated to OpenLayers 6 in the previous reporting period, work continued to rebuild custom tools from the old site to make them compatible with the current version. This includes upgrades and bug fixes for the Bookmarks, Drawings, ArcREST Service Input and Linear Measurement tools, and adjustments to decrease the load times for monthly sliders.
- The Staging site was migrated to a separate server than the public site, a long-planned move that will allow for greater flexibility and security when experimenting with new data layers, tools, theme organization, etc.
- An upgrade to the Drawings tool enables users to hover over their shapes for pop-ups showing their borders.
- Progress was made on coding that will allow the Portal to ingest feature services, which are being used more commonly by data-sharing partners. Testing on this capability will continue into the next reporting period.

**A3 Progress Period:** July 2021 - December 2021

The following is a list of tool and site enhancements made in the July - December 2021 reporting period:

- A series of improvements were made to offer administrators greater control over who can join their Groups and view the information shared within them. "Owners" (creators) can now set Groups to private, delete members, answer requests to join, and promote members to a "manager" role that allows them to delete or promote other members as well.
  - The Drawings tool was upgraded to allow users to save and share points and lines in addition to polygons.
  - A button was added to Marine Planner that provides registered users a shortcut for creating new drawings.
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**ACTIVITY 4 - Conduct public outreach, demonstrations and trainings to build awareness of the Portal and its features.**

**Expected Completion Date:** Ongoing

**A4 Progress Period:** January 2021 - June 2021

The following is a sample of the outreach conducted during the January - June 2021 reporting period:

- Demo for Monmouth University coastal zone management class
- Tutorial for Columbia University student researchers
- Mid-Atlantic Ocean Forum offshore wind panel and OMDT work groups session
- Tutorial for graphic artist from The Day newspaper (Connecticut)
- Tutorial for Monmouth University summer research students and professor
- June 29 “How Tuesday” Into to the Portal webinar
- Discussion on best practices for engaging stakeholders with Portal with GRID-Arendal and UNEP-WCMC

**A4 Progress Period:** July 2021 - December 2021

The following is a list of outreach conducted during the July - December 2021 reporting period:

- July 1: Discussion with GRID-Arendal and UNEP-WCMC
- August 16: WCS training for NYC school teachers
- August 18: Training for NJDEP staff
- August 19: BOEM Marine Spatial Planning for Maritime Industry webinar
- September 14: How Tuesday webinar on New Jersey and New York PARS data
- October 1: Demo for BOEM Gulf region GIS staff
- October 13: NOAA Central Library seminar on the Portal, MARCO and Mid-Atlantic Ocean planning
- October 26: Demo of Acidification Monitoring layers for MACAN & OA Alliance Virtual Workshop
- November 9: Tutorial for Monmouth University marine GIS class
- Nov. 16: How Tuesday on the Portal’s advanced tools

