

For the Week of July 12, 2020



Weekly Hydro Ship Activity Report

Welcome to NOAA's Weekly Hydrographic Ship Activity Report! We hope you enjoy this reader-friendly layout for our weekly report as we update you on the progress of our NOAA-ship and contractor-run surveys.

Highlights of this edition of Weekly Ship Report

- The NOAA fleet is reconstituting their crew to resume the CY '20 survey season.
- Tele Site Visits commenced in HSD Ops with Geodynamics hosting for OPR-Y395-KR-20 Chicago, IL.
- TerraSond conducted drone flights throughout the week for shoreline work and assigned feature investigation in Norton Sound, AK.

NOAA Ships

FERDINAND R HASSLER

2020 progress surfaces and sketches can be found in [Google Drive](#).

Recap

- *Hassler* is alongside in New Castle, NH preparing for surveying.

Looking Forward

- *Hassler* will survey following the reconstitution phasing.



THOMAS JEFFERSON

OPR-D304-TJ-20 Approaches to Chesapeake Bay

2020 progress surfaces and sketches can be found in [Google Drive](#).

Recap

- *TJ* was alongside in Norfolk, VA preparing for surveying offshore of Chesapeake Bay.

Looking Forward

- *TJ* will begin surveying on 7/19 and will prioritize the deeper sheets using the EM710 multibeam sonar.



FAIRWEATHER

2020 progress surfaces and sketches can be found in [Google Drive](#).

Recap

- *FA* is alongside in Seattle, WA preparing for surveying.

Looking Forward

- *FA* will survey following the reconstitution phasing.



RAINIER

OPR-T383-RA-20 Hawaii

2020 progress surfaces and sketches can be found in [Google Drive](#).

Recap

- *RA* is alongside in Honolulu, Hawaii preparing for surveying in Hawaii.

Looking Forward

- *RA* will survey following the reconstitution phasing.



OPR-E350-KR-19 Southern Chesapeake Bay, VA

2019 progress surfaces and sketches can be found in the [Google Drive](#).

Recap

- *MV Atlantic Surveyor* continued survey on Sheet 2 (H13301), and commenced survey on Sheet 4 (H13304).
- *RV Oyster Bay II* also commenced survey operations on Sheet 2 (H13301), but in periods of poorer sea state continued survey operations in more sheltered waters on Sheet 5 (H13306).
- On 7/16 the MVP tow body and sensor were snagged on fishing gear and lost from the *MV Atlantic Surveyor*. A search pattern was conducted and 2 possible targets located. These subsequently proved to be discarded crab pots and an old anchor. The sidescan sonar was also snagged on fishing gear requiring a re-termination.

Looking Forward

- On 7/19 *MV Atlantic Surveyor* and *RV Oyster Bay II* will continue survey operations on Sheet 2 (H13301) and Sheet 4 (H13304).
- *MV Atlantic Surveyor* will also target commencement of Sheet 5 (H13306) this week.



OPR-R385-KR-20 Norton Sound, AK

2020 progress surfaces and sketches can be found in [Google Drive](#).

Recap

- *Q105* and *ASV-CW5* surveyed in sheets H13370 and H13371 until transiting to Nome on 7/12.
- *Q105* completed scheduled crew change and resupply in Nome on 7/12.
- Both survey vessels returned to H13371 and H13370 by 7/13, and surveyed primarily in H13370 for remainder of week.
- Crew conducted drone flights throughout the week in H13370 for shoreline and assigned feature investigation.

Looking Forward

- *Q105* will continue to survey in sheet H13370, H13371, and H13372 and work shallow areas with the *ASV-CW5* and drone flights as weather allows.
- TerraSond will take shore tide staff shots on Sunday or early next week.



OPR-R355-KR-20 Herendeen Bay, AK

2020 progress surfaces and sketches can be found in [Google Drive](#).

Recap

- *RV Rapid* completed a patch test. Mainscheme data was collected in H13377, H13378, H13379, H13380.
- Mainscheme data was completed in H13378 and planning to complete final fill and investigations.
- *RV 505* continued implementing a swing shift.
- There was no swing shift 7/15 on *RV 505* due to weather conditions.

Looking Forward

- All vessels will continue mainscheme data collection in sheet H13380 if weather is optimal, or in H13377 and H13379 if weather conditions are poor.
- Office staff will create fill and investigation and set line spacing plans for H13378.



OPR-Y395-KR-20 Chicago, IL

2020 progress surfaces and sketches can be found in [Google Drive](#).

Recap

- Geodynamics hosted a Virtual Visit for HSD OPS in lieu of a traditional site visit.
- *RV Benthos* and *RV Chinook* surveyed mainscheme in H13367.

- RV *Benthos* also collected crosslines, holiday fill and feature investigation in H13367. RV *Endeavor* wrapped up mainscheme survey lines in H13364 and proceeded to start H13368.

Looking Forward

- RV *Benthos* conducted holiday fill and feature development in H13367 & H13363. Crossline data collection.
- RV *Chinook* surveyed mainscheme and crosslines in H13367.
- RV *Endeavor* surveyed mainscheme, crosslines, and holidays in H13368.
- RV *Substantial* transited from Muskegon, MI to Chicago, IL for provisions and calibrations.

OPR-J359-KR-20 Apalachicola, FL



2020 progress surfaces and sketches can be found in [Google Drive](#).

Recap

- *GO Freedom* conducted full coverage MBES survey operations in H13359. On 7/15, the *USV FAS-901* joined up with *GO Freedom* to conduct concurrent full coverage MBES in fully autonomous mode.
- *MV Pelagos* acquired full coverage MBES in H13359.
- *FAS-901* acquired ODMBES MBES in H13290 and fully autonomous full coverage MBES via control from *GO Freedom*.

Looking Forward

- *GO Freedom* will continue full coverage MBES operations in H13359 until the scheduled in port to Panama City, at which point the vessel will be demobilized and the acquisition team will return to Carrabelle, FL to bolster small vessel acquisition crews.
- *MV Pelagos* will continue acquisition of full coverage MBES in H13359.
- *FAS-901* will detach from *GO Freedom* on the morning of 7/19 to return to Carrabelle for fueling, servicing, and data retrieval.

[Link to Survey Figures](#)

[Link to Story Map](#)