

For the Week of August 9, 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

- eTrac surveyed in the Barry Arm Glacier, AK fjord area as a response to a USGS concern of imminent slope failure that could cause a tsunami in the region.
- NOAA Ship *Thomas Jefferson* continues to survey offshore of Chesapeake Bay utilizing ship and launches.
- NOAA Ship *Rainier* is crossing the Pacific Ocean back to Newport, OR.

NOAA Ships

FERDINAND R HASSLER

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

Recap

- *TJ* continued mainscheme acquisition on H13394 until returning to MOC-A on Monday 10AUG for a stores load. The ship headed back to sea on 11AUG and resumed operations on H13394.
- 2903 was utilized for holiday acquisition on H13394 on Wednesday 12AUG and Thursday 13AUG.
- On 12AUG, the ship's MVP winch solenoid failed, rendering the ship unable to conduct



MVP casts. Stationary CTD casts were taken until a workaround solution was identified and implemented on 13AUG. A new solenoid has been ordered and will be arriving Monday, 17AUG.

- 2904 is undergoing repairs to its generator exhaust system.

Looking Forward

- TJ will continue mainscheme and holiday acquisition on H13394. Upon completion, we will open H13393.
- TJ will complete a personnel transfer as well as retrieve the new MVP solenoid on 17AUG.

FAIRWEATHER

Recap

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

Looking Forward

- FA will survey following the reconstitution phasing.



RAINIER

OPR-T383-RA-20 Hawaiian Islands & Vicinity

Recap

- RA continued work in Pailolo Channel over the last few days of acquisition on H13397, and completed crosslines on our survey area in Kaiwi Channel.
- RA departed the survey area and is on its way to Newport, OR. This concluded *Rainier's* work in Hawaii for 2020.



Looking Forward

- *Rainier* is transiting to Newport, OR, then making its way to southeast Alaska

Contracted Vessels



OPR-K375-KR-20 Houston, TX

Recap

- SV *BLAKE* began her transit from Gulfport, MS to Galveston, TX and arrived in Galveston on Tuesday afternoon.
- DEA completed mobile mapping operations last Monday after *Blake* struck a submerged object along the edge of a charted intertidal area in Brays Bayou. The incident occurred while *Blake* was attempting to fill some holidays and acquire data on assigned features just outside of the scan area. *Blake* transited back to Galveston for repairs and inspection on Tuesday. Through inspection by a marine surveyor and USCG, DEA has since discovered that the impact bent a propeller and scratched the hull. *Blake* is currently

undergoing repairs which we expect to be completed later this week.

- During our mobile mapping survey DEA was able to scan the entirety of the assigned areas including the fill of numerous holidays. However, some holidays remain due to vessel traffic and ships at berth. DEA will review their coverage and make plans to scan these areas with the Riegl z390i that will be mounted on the *RV Preston* when hydrographic operations commence. If there are any significant areas of concern we can remobilize the MMS.

Looking Forward

- DEA will continue preparations for the hydrographic phase of the project. They had originally intended to start multibeam acquisition with *SV Blake* and *RV Preston* in the Houston Ship Channel at the completion of the MMS survey, but delays in a rebuild of the *RV Preston* have resulted in some slippage in the survey schedule.
- DEA is currently planning to start MBES operations the first week of September.



OPR-B300-KR-20 Long Island Sound, CT and NY

Recap

- *RV Able 2* and *RV Ready 2* continued mainscheme and crossline data collection in Survey H13385.
- *RV Osprey* collected mainscheme and crossline data in Survey H13386.
- Survey operations were occasionally interrupted with short weather delays for passing thunderstorms.

Looking Forward

- Data collection will continue in H13385 and H13386 by all 3 vessels.
- Production is expected to slow somewhat as vessels move into more complex harbor and shoreline areas.
- Data processing is on-going and will continue.



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

Recap

- *MV Atlantic Surveyor* was on shutdown pending data processing ongoing to define remaining gaps and items, as well as refining the shallow areas for *RV Oyster Bay II* to adjust the survey plan. The vessel was re-crewed on Friday 8/14/2020, but remained in port due to the passage of Tropical Cyclone Kyle.
- *RV Oyster Bay II* continued survey operations on Sheet 2 (H13301), Sheet 5 (H13306), and Sheet 4 (H13304). The vessel was hauled on Wednesday 8/12/2020 for engine maintenance. On resuming survey it was found that a multibeam pole component had cracked, which necessitated welding repairs.
- Survey resumed on Friday 8/14/2020, but adverse weather conditions forced a return to port due to the passage of Tropical Cyclone Kyle. *RV Oyster Bay II* remained in port Saturday 8/15/2020.

Looking Forward

- On Sunday August 16, 2020 *RV Oyster Bay II* will continue survey operations in the week ahead.
 - *MV Atlantic Surveyor* is expected to also resume survey on Sunday August 16, 2020, and complete survey of remaining gaps and items within the vessel's scope of planned survey areas.
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OPR-R385-KR-20 Norton Sound, AK

Recap

- Norton Sound GNSS tide buoy recovered and moved to original proposed location 8/9, will remain there for remainder of project.
- A three-hour tide float was performed for both the retrieval and deployment of the buoy Full coverage multibeam with both vessels completed in Stephan's Pass, ASV only survey for remainder of H13370.
- Full coverage multibeam in H13370 to be complete by 8/16, infills and XLs remain. Nearshore work in H13371 believed to be complete, infills and XLs remain, still set spacing offshore to be collected.
- Multibeam data collected in eastern portion of H13371 to determine if an increase in set spacing would be appropriate .
- Tide shots performed at Stebbins site 8/12. Koyuk Tide Station being installed 8/14, should be complete by 8/17 COVID test results taking longer and longer to get, crew rotation planned for 8/12 pushed to 8/17 due to delay in results and lack of charter flights available on short notice.

Looking Forward

- Survey to Egg Island to verify Navigation Aid Continue set spacing survey in H13371-H13373 and infills in H13370.
- Continue survey in H13372 as directed by NOAA.
- Focus on set spacing areas as initial nearshore and full coverage areas are nearing completion.
- Line nautical mile production expected to increase as set spacing areas are targeted.



OPR-R355-KR-20 Herendeen Bay, AK

Recap

- *RV 505*, *RV Rapid* and *RV Spectrum* have been demobilized of equipment, pressure washed , secured on Port Moller awaiting Coastal Transport.
- Office staff will continue processing data and reporting. Office staff will finalize review of fill/investigation plans and set line spacing plans for all sheets.

Looking Forward

- Office team will begin demobilization of project once fill plans are finalized.

S-P365-KR-20 Barry Arm Glacier

Recap

- *RV Inverness* had a productive week in the survey area. Weather was cooperative allowing the field team to complete a majority of the data collection. In the field office, data processing has been equally productive.

Looking Forward

- eTrac expects to complete acquisition and begin demobilization within the coming week.



OPR-Y395-KR-20 Chicago, IL

Recap

- The *RV Benthos* worked on holiday fill, investigations, recoveries and a few crosslines throughout the project area.
- *RV Benthos* and *RV Substantial* were demobilized and began transit off the project area.
- The office worked on final data reviews, QA-QC, and project closeout reporting and logistics.

Looking Forward

- This is the last weekly report in conjunction with field operations for OPR-Y395-KR-20. Following this report the Project Summary Report and Survey Outline Deliverables will be provided asap.



OPR-J359-KR-20 Apalachicola, FL

Recap

- *MV Pelagos* acquired full coverage MBES in survey area H13359.
- *Koach Kline* acquired ODMBES and set lines in H13360.

Looking Forward

- *MV Pelagos* will continue acquisition of full coverage MBES in H13359.
- *Koach Kline* will continue ODMBES and set line MBES acquisition in H13360.

Weekly Parting Shot



One might try this critter as fishing bait. A Lubber Grasshopper visited Fugro in Apalachicola, FL while in port. Photo by Tiziana Munene.