

For the Week of October 14, 2018



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

- *Thomas Jefferson performs launch and ship survey operations in Puerto Rico while preparing for their last leg of the 2018 field season.*
- *eTrac is 63% complete with the Florida Keys National Marine Sanctuary project.*
- *Work on OPR-J359-KR-18 Apalachicola, FL is suspended due to Hurricane Michael damage.*

NOAA Ships

BAY HYDRO II

Surveys in Chesapeake Bay

No report submitted.



FAIRWEATHER

Fairweather is awaiting the Lake Union Drydock (LUDD) berth. The FA is not conducting survey operations, so there is no updated coverage graphic / GeoTiff.

Previous project diagrams and bathymetric surfaces can be found in [Google Drive](#).



Recap

- October 15: S-220 underway from USCG Sector Seattle; transited through Ballard Locks; moored STBD-side, north pier, LUDD, Seattle, WA.
- Data processing on open survey sheets: Point Hope, FISHPAC, and Puget Sound.
- October 17-18: Conduct HIC/coxn training; HSLs with MB, drills, etc; north of Sand Pt., LA WA.
- October 19: FA provides safety divers for "superlite" surface supplied dive in the tower.

Looking Forward

- Continue processing open survey sheets.
- Continue HIC/coxn training with HSLs out of WRC.

FERDINAND HASSLER

OPR-G343-FH-18, Approaches To Jacksonville, FL

Progress coverage and sketches can be found in [Google Drive](#).

Recap

- The *Hassler* remains alongside in Charleston, SC with generator and davit issues.

Looking Forward

- The ship will advise if they can sail as planned on October 29.



RAINIER

OPR-L397-RA-18, Channel Islands National Marine Sanctuary, CA

Progress coverage and sketches can be found in [Google Drive](#).

Recap

- *Rainier* remained in port until Wednesday, October 17th for a scheduled alongside period before returning to the Channel Islands to work on OPR-L397-RA-18.
- *Rainier* completed MBES acquisition on H13085, H13086 and H13087 as well as shoreline feature verification on H13085.



- On Saturday, October 20th, 2018, *Rainier* hosted visitors from the the Channel Islands Parks Service as well as college students who were staying on Santa Rosa Island for a weekend of field study.

Looking Forward

- *Rainier* will continue to examine recently completed sheets for any remaining acquisition needs.
- The ship will transit north to the CalDIG working grounds and acquire MBES data on H13152.
- *Rainier* will return to the CINMS working area and acquire MBES data on H13201 and H13205.
- Finally, shoreline feature verification will occur on H13087, H13086 and H13201.

THOMAS JEFFERSON

OPR-I369-TJ-18, San Juan and Ponce and vicinities, Puerto Rico

Progress coverage and sketch can be found in [Google Drive](#).



Recap

- The ship arrived at our working grounds on the south coast of Puerto Rico on October 16, 2018.
- Day launch operations on the western sections of H13143 with overnight ship operations on H13144 from 16-18 October 2018: full 24 hour ship operations were limited with our launch working in the western sections of H13143 due to the lack of ship work in safe proximity to launch working grounds.
- Day launch operations on the eastern sections of H13143 with concurrent 24 hour ship operations on H13143 and H13144 from 19-21 October 2018: launch work shifted to the eastern section of H13143, which allowed the ship to conduct daytime acquisition operations.
- Picked up acoustic technical specialists at Ponce on October 22, 2018: the specialists have been contracted by HSTB to investigate the acoustic and hydrodynamic characteristics of the ship.
- Survey systems on HSL 2903 remain unavailable due to an inoperable generator and UPS system.
- PS Clint Marcus (AHB), HST Rebekah Gossett (FA) and ENS Kevin Tennyson (FA) are aboard to augment the Survey Department; a particular thanks is owed to HST Gossett and ENS Tennyson, who have enabled concurrent 24 hour ship and launch operations.

Looking Forward

- The ship will conduct acoustic and sonar artifact investigation activities to the south of Ponce and while collecting data on H13144 from October 22-24, 2018.
- A public relations event will be held on October 24, 2018 alongside in Ponce, PR while HSL 2904 resumes work on the western sections of H13143.
- We are planning on conducting a one-day survey in response to a USCG request on October 25 before returning to San Juan on October 26.
- The ship's next inport is San Juan, PR from 26 - 29 October.
- Our field season in Puerto Rico is scheduled to conclude on November 5, 2018 and we have shifted our efforts to squaring off our remaining sheets.



DAVID EVANS
AND ASSOCIATES INC.
MARINE SERVICES

OPR-J347-KR-18, Mississippi River

Progress sketch and GeoTiff, can be found in [Google Drive](#).

Recap

- Last week, we completed fill and investigations for Sheets 3 and 4 and started acquisition in Sheet 5.
- We had a scheduled port call on Thursday 10/18 and ended the week in the vicinity of Good Hope, LA (RM 125).
- We also acquired some laser scan data to fill holidays at several assigned terminals.
- We submitted H13191 DtoN 01 reporting significant shoaling in the vicinity Belle Point. This danger has since been registered by the Nautical Data Branch.

Looking Forward

- This week we plan to continue Sheet 5 acquisition. We're also reviewing Sheets 1-4 for completeness.
- Our next port call is scheduled for Sunday October 28.



OPR-K376-KR-18, Approaches to Port Lavaca, TX

Weekly progress GeoTiff and project progress sketch will be available in [Google Drive](#).

Recap

- *Bella Marie* performing SSS and MBES ops, focusing on nearshore areas outside of Matagorda Bay when weather allows, and inside Matagorda Bay when marginal. Some weather downtime experienced this week and minor sidescan issues.
- *Bella Marie*: Large amount of weather downtime this week. Only able to work on 10/19 and 10/20. Work spread between F00734 as well as near-shore areas outside of bay.
- *Bunny Bordelon*: Down on weather 10/15 and majority of 10/16, returned to survey operations late on 10/16 and continued survey through 10/21.
- *Bunny Bordelon*: Focused largely on H13181 and H13182; some marginal weather and sidescan issues resulted in some multibeam-only operations in places.
- All vessels: LNM collected to date: 3,180 of 7,869.

Looking Forward

- *Bella Marie* will continue SSS/MBES survey, favoring shallower portions of the assigned survey sheets outside the bay whenever possible. Weather downtime for first part of week highly likely.
- *Bunny Bordelon* rotation in Port Aransas on 10/22. Return to survey late 10/22.



OPR-J317-KR-18, Approaches to Tampa Bay, FL

The weekly progress GeoTiff and progress sketch are available on Google Drive.

Recap

- Report not yet submitted.

Looking Forward

- Report not yet submitted.
-



OPR-J311-KR-18, Offshore Chandeleur, LA

The Weekly Progress GeoTiff and progress sketch are available on [Google Drive](#).

Recap

- Minimal progress was seen last week in survey data acquisition.
- Both vessels returned to Gulfport, MS on Monday October 15, 2018 due to deterioration of weather and sea conditions.
- Survey crew departed vessels and the operation was placed on standby pending improved weather conditions.
- LNM completed to date 2,398 of a total target 2,816 LNM.

Looking Forward

- The *M/V Atlantic Surveyor* and *R/V Pathfinder* will remain on standby and survey operations will resume when the weather forecast indicates a break in the current high and unworkable sea states.
-



OPR-J359-KR-18, Apalachicola, FL

The weekly progress GeoTiff and progress sketch are available in [Google Drive](#).

Recap

- The Apalachicola survey has been suspended due to impacts of Hurricane Michael.

Looking Forward

- Fugro will advise of their ability to return to the project area post Hurricane Michael recovery.
-



OPR-H355-KR-18, Florida Keys National Marine Sanctuary, FL

The weekly progress GeoTiff and progress sketch are available in [Google Drive](#).

Recap

- *R/V Benthos* surveyed in H13165, H13168, and F00757.
- *R/V Taku* surveyed in F00757 before experiencing downtime due to issues with sonars that were eventually replaced. *Taku* then worked in H13165 and H13167, post sonar replacement.
- *R/V Marcelle* acquired data in H13161 and H13163.

Looking Forward

- *Benthos* and *Taku* will continue data acquisition in H13168.
- *R/V Marcelle* will continue data acquisition in H13163.

[Link to Survey Figures](#)

[Link to Story Map](#)