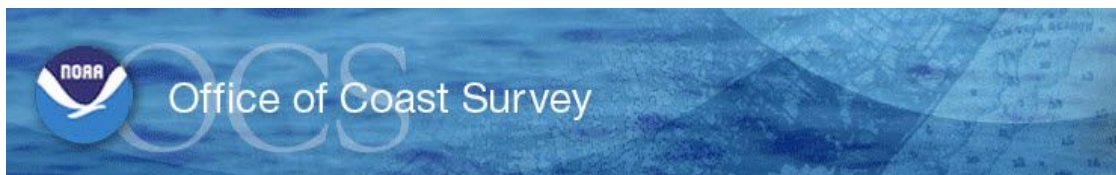


*For the Week of October 29, 2017*



## 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*

- *Fairweather ends field season with fleet inspection in Ketchikan, AK.*
- *Ferdinand Hassler fulfills Navigation Services Division (NSD) request to survey potential deepwater route to Jacksonville.*
- *Thomas Jefferson ends field season on November 7 and will arrive at her home port in Norfolk, VA on November 9.*

## NOAA Ships

### ***BAY HYDRO II***

#### **Recap**

BHII is not currently surveying.

#### **Looking Forward**

BHII is not currently surveying.



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## FAIRWEATHER

### OPR-O346-FA-17 - Yakutat Bay, AK

*Fairweather* concluded our field season with final acquisition in Yakutat Bay, then transited to Ketchikan, AK for an inport and fleet inspection.



### Recap

- Completed acquisition on H13069 on Oct 30.
- Continued to work on H13074 and H13075 through Nov 1 shifting with weather and swell, and acquired final holidays on H13072 on Nov 1.
- Demobilized GNSS base station from Yakutat Airport on Oct 31.
- Conducted command review for H13016 from OPR-O190-FA-17, West of Prince of Wales Island.
- Continued draft reviews of DRs from OPR-R365-FA-17, Port Clarence.
- Bid farewell to LTJG Dylan Kosten and HSD PS Starla Robinson, who both contributed greatly to our ability to maintain production during this leg.

### Looking Forward

- Inport in Ketchikan, departing the morning of Nov 10 for a transit to Newport, OR via the inside passage.
- Fleet Inspection Nov 7-9.
- Submit H13015 and H13016, continue processing on all other surveys.

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## FERDINAND HASSLER

### OPR-G343-FH-17 - Approaches to Jacksonville, FL

### Recap

- *Ferdinand Hassler* conducted survey operations on H12978. Operations concluded at midnight on 11/1, at which time the ship shifted operations to support an emergent request from Navigation Services Division (NSD) to reconnoiter a potential deepwater route into Jacksonville, which lay to the north of H12978.
- FH completed the reconnaissance, which included development of a wreck and a fish haven area, and began a transit to Charleston, SC for a scheduled inport.
- Owing to weather offshore, FH cut short a planned weekend inport and departed Charleston, SC on 11/4, bound for New Castle, NH.



### Looking Forward

- *Ferdinand Hassler* will be transiting to her home port of New Castle, NH to arrive in the afternoon of 11/7.

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## RAINIER

### OPR-L397-RA-17 - Channel Islands National Marine Sanctuary, CA

#### Recap

- *RAINIER* spent October 29th alongside the Crosby St. Pier, 10th Ave Terminal, San Diego, CA for a planned in-port weekend.
- On October 30th, *Rainier* got underway and shifted piers to a nearby fuel dock. After fueling, *Rainier* began its transit to Anacapa Island to continue work on sheet H13093, project OPR-L397-RA-17, Channel Islands National Marine Sanctuary (CINMS).
- On October 31st, *Rainier* arrived at the Anacapa Island working grounds and deployed three launches to acquire MBES data. The ship also acquired MBES data on offshore portions of this sheet. In the afternoon, launches were retrieved and the ship got underway for Cuyler Harbor, San Miguel Island. At about 21:00 *Rainier* anchored in Cuyler Harbor.
- On November 1st, *Rainier* remained at anchor and deployed three launches to collect MBES data on H13082 and H13083, San Miguel Island. In the afternoon, one launch returned and two skiffs were deployed to collect final shoreline verification data on H13083 and H13084.
- On November 2nd, *Rainier* deployed three launches to collect MBES data on H13082, H13083 and H13084. In the late morning, one launch was recovered. In the early afternoon, two skiffs were deployed to collect shoreline verification data on H13088, Santa Rosa Island. In the early evening, *Rainier* anchored on the south side of San Miguel Island.
- On November 3rd and 4th, *Rainier* remained at anchor and deployed four launches to collect data on H13082, H13082 and H13084. Data acquisition on H13083 has been completed.



#### Looking Forward

- On the morning of November 5th, *Rainier* will get underway and deploy two launches to complete final MBES acquisition on H13082 and H13084. *Rainier* will transit to Santa Rosa Island, deploy a third launch and anchor in Johnson's Lee.
- On November 6th, *Rainier* will weigh anchor and deploy one launch to perform final MBES acquisition on H13088. *Rainier* will then move to Anacapa Island to deploy a launch for final holiday cleanup. A personnel transfer will occur with the *R/V Shearwater* in the mid-afternoon. The ship will collect MBES data north of Anacapa Island through the evening.
- November 7th - *Rainier* will transit to Santa Barbara and host visitors aboard from the Channel Islands National Marine Sanctuary. In the evening, *Rainier* will begin its transit to Newport, OR.
- *Rainier* will arrive in Newport, OR on the evening of November 10th or the morning of November 11th to conclude the 2017 field season.

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## THOMAS JEFFERSON

### OPR-G329-TJ-17 - Approaches to Savannah River, GA

#### Recap

- *Thomas Jefferson* completed acquisition on H12962 and F00693 ("PA hunt") this week.
- Surveying on H12963 began on 5 Nov 2017 with the intent to square off the sheet's



northern section before the ship leaves the project area for the end of the field season on 7 Nov 2017.

### Looking Forward

- *Thomas Jefferson* will arrive at her home port in Norfolk, VA on 9 Nov 2017. The ship is scheduled to moor in at the NOAA Marine Operations Center - Atlantic for its winter dockside repair availability and 2018 field season preparations.

## Contractors



DAVID EVANS  
AND ASSOCIATES INC.  
MARINE SERVICES

### OPR-J348-KR-17 - Mississippi Sound and Vicinity, MS

#### Recap

*S/V Blake and R/V Preston*

- No report submitted.

#### Looking Forward

- No report submitted.



### OPR-H358-KR-17 - Sarasota to Naples, FL

#### Recap

*R/V Benthos, R/V Taku, R/V 505*

- All vessels performed surveys in H13079 and H13081.
- *R/V Taku* surveyed in 13080.

#### Looking Forward

*R/V Taku*

- Continue surveying H13079 and H13080 out of Sarasota.

*R/V Benthos*

- Continue surveying H13079 and H13080 out of Sarasota.

*R/V 505*

- Finish surveying H13081 out of Naples, complete holiday and investigation plan.



## OPR-K371-KR-17 - Sabine, LA

### Recap

#### *R/V Atlantic Surveyor*

- Survey progress was occasionally disrupted in the past week due to adverse weather conditions.
- The *R/V Atlantic Surveyor* is in port (Galveston, TX) On Nov. 6 for a routine crew change.
- We continued with survey throughout the day on Nov. 5 until we stopped surveying for transit to the scheduled port call.
- We have approximately 1 day of planned main-scheme and cross lines remaining on Sheet 3 (H13056).
- As of Nov. 5 we are complete on Sheet 1 (H13054), complete on Sheet 2 (H13055), and 85.15% complete on Sheet 3 (H13056), which combined represents 71.25% of the total project.

### Looking Forward

- No future plans were submitted by Leidos.



## OPR-K371-KR2-17 - Approaches to Galveston, TX

*C-Wolf* was at the Lafayette office for the week of Oct 30th to Nov 5th. The head in the multibeam system was replaced. We then experienced issues with software version difference and communicated with Kongsberg to help troubleshoot the missing datagrams in the data exported out of SIS.

### Recap

#### *C-Wolf*

- Monday 30th - Tuesday 31st ~ Troubleshooting system determined that current head mounted on the boat was bad. Removed head and replaced it with new spare EM3002 Head.
- Wednesday 1st - Friday 3rd ~ Troubleshooting computers and topside to find source of missing datagrams in data, corresponding with Kongsberg and testing software versions, computers and network switches.
- Saturday-Sunday~ Standby.

### Looking Forward

- With feedback from Kongsberg this morning, all datagrams are found in data recorded in SIS software. Field crew is arriving in Lafayette Nov 6 and will complete a new patch test tomorrow (Tuesday November 7th) and depart for Galveston Tuesday evening.
- Plan is to be on site in Galveston Wednesday for survey operations and continue for the rest of the week until all investigations have been completed.

[Link to Survey Figures](#)

[Link to Story Map](#)

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