



APPLICATION OF HYDROGRAPHIC SURVEY DATA TO GULF COAST PORT AUTHORITIES AND THE MARITIME INDUSTRY

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MENTORS

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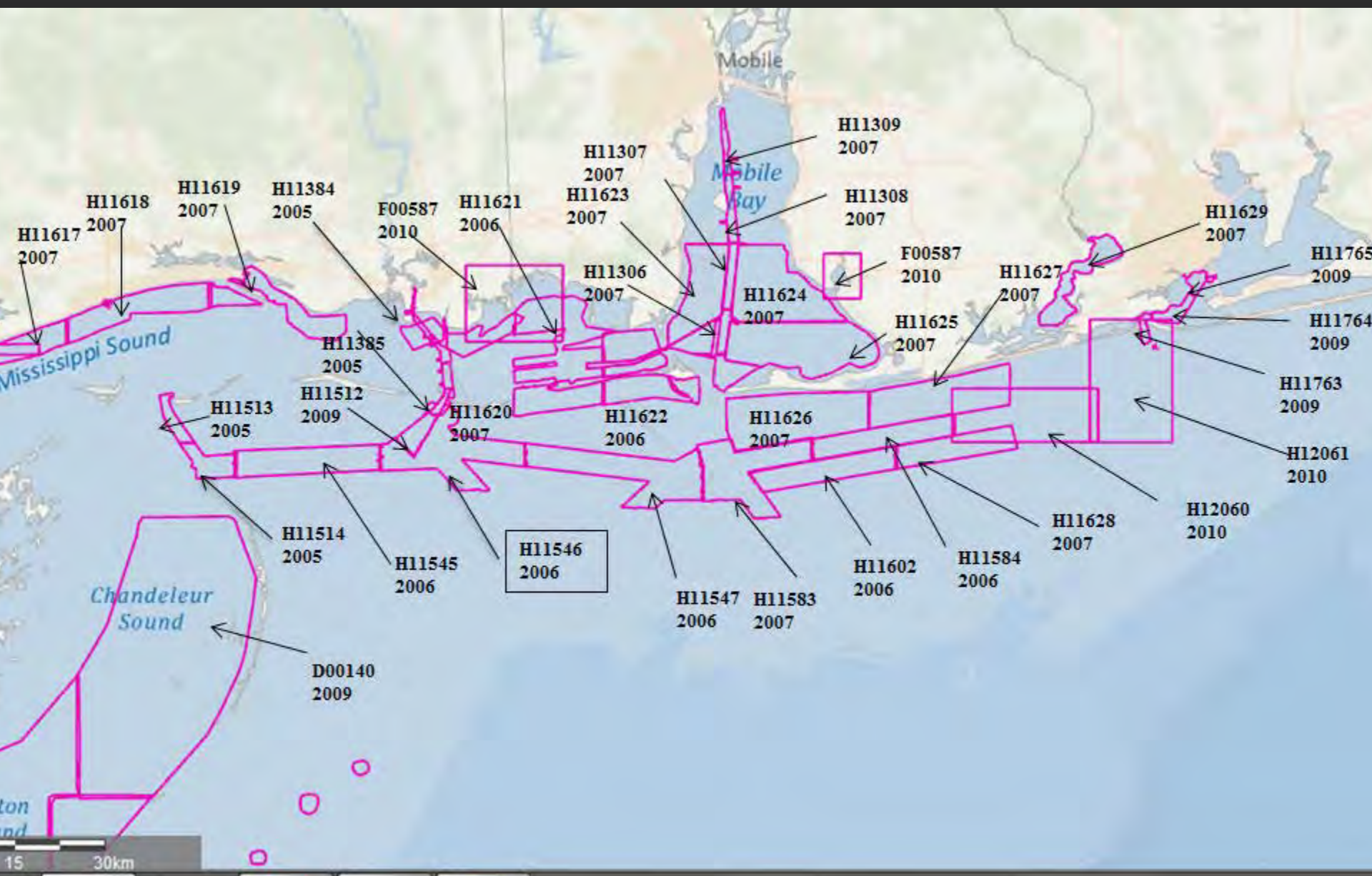


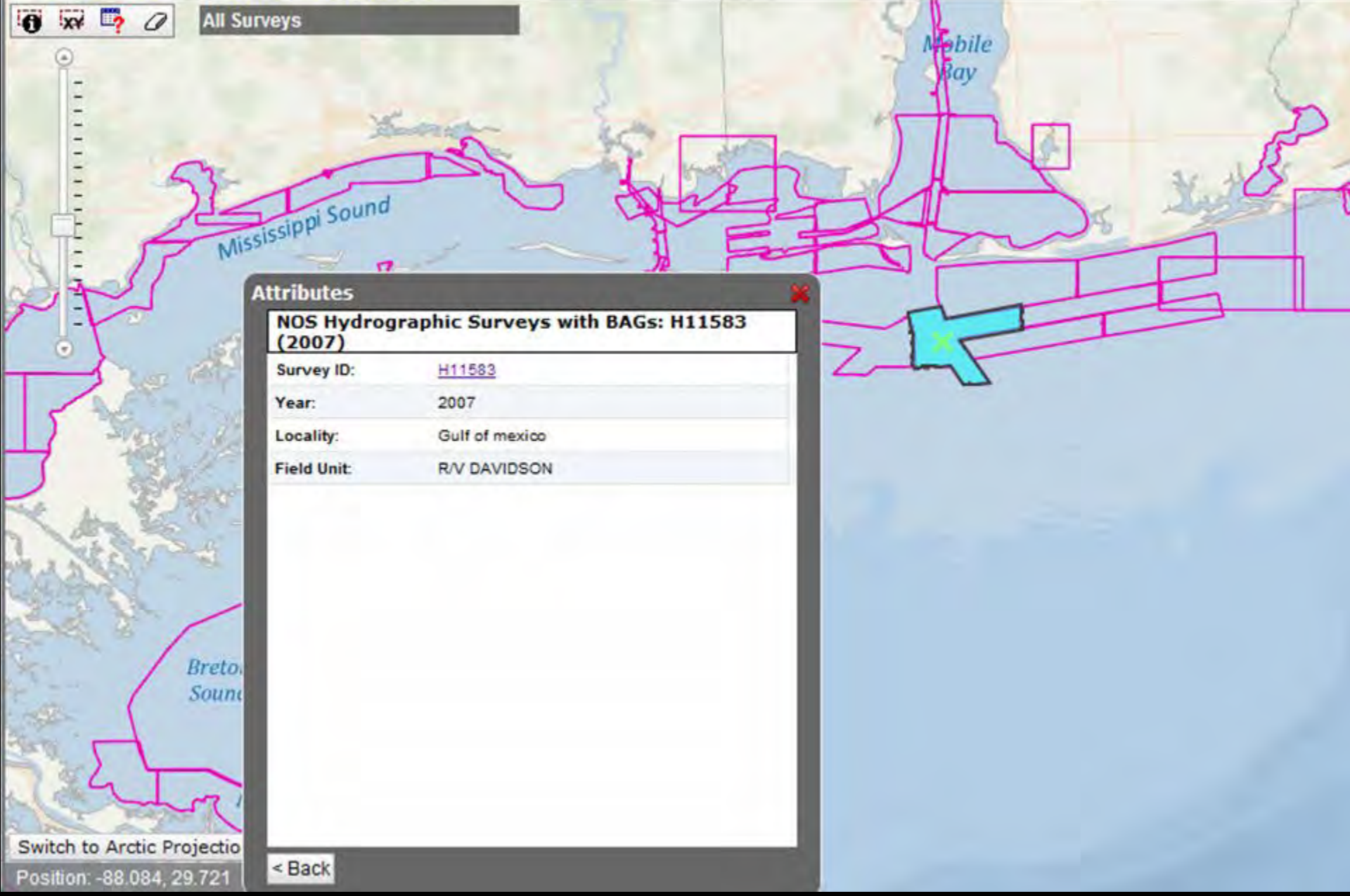
MAIN CONTENTS

- How to access, manipulate, produce and interpret NOAA survey data
- Different types of water level data
- Different meetings attended
- Various places visited
- Economic impacts of Ports



VIEWING HYDROGRAPHIC DATA COLLECTED ALONG THE GULF COAST





Attributes

NOS Hydrographic Surveys with BAGs: H11583 (2007)

Survey ID:	H11583
Year:	2007
Locality:	Gulf of mexico
Field Unit:	R/V DAVIDSON

Switch to Arctic Projection

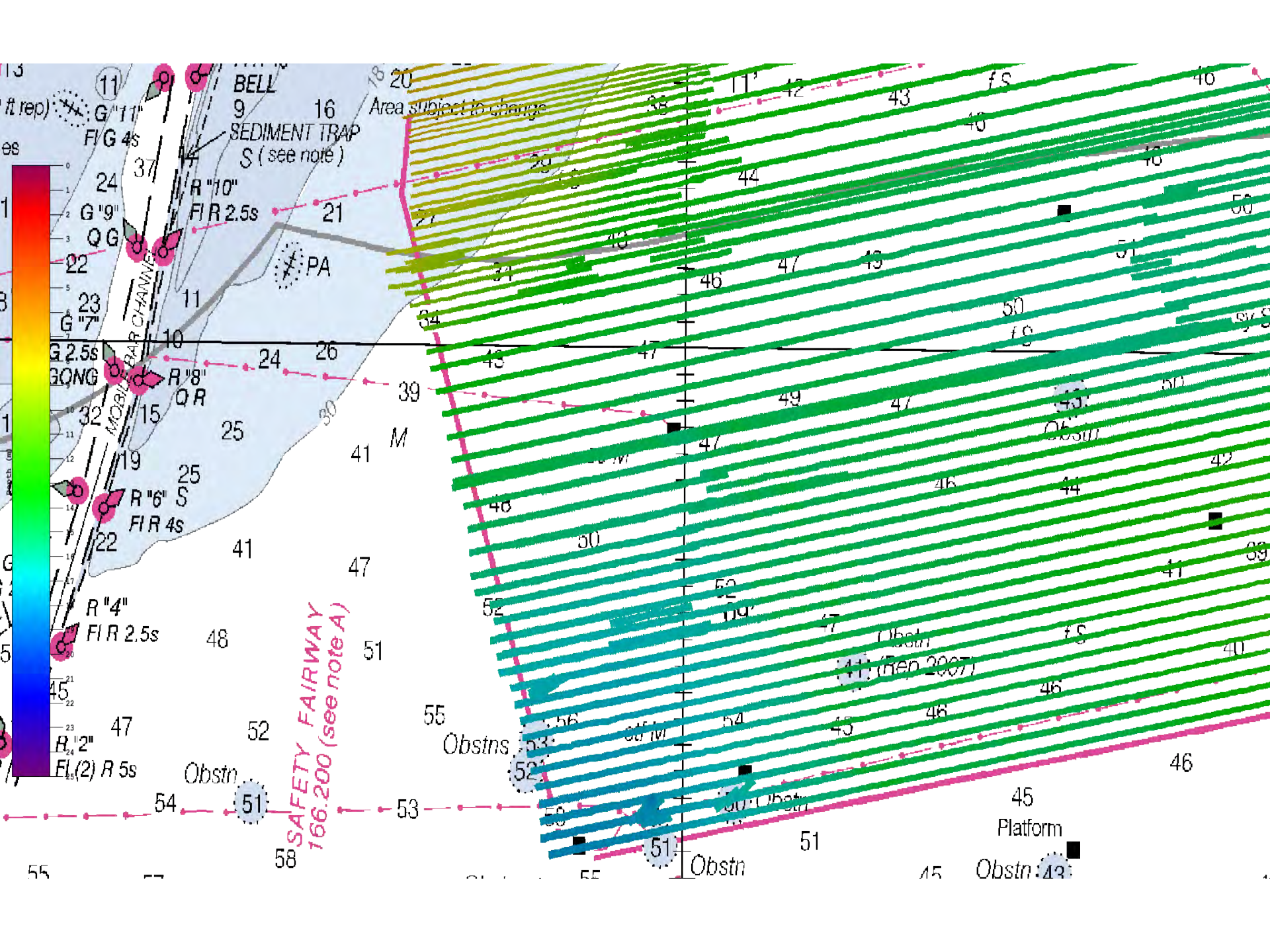
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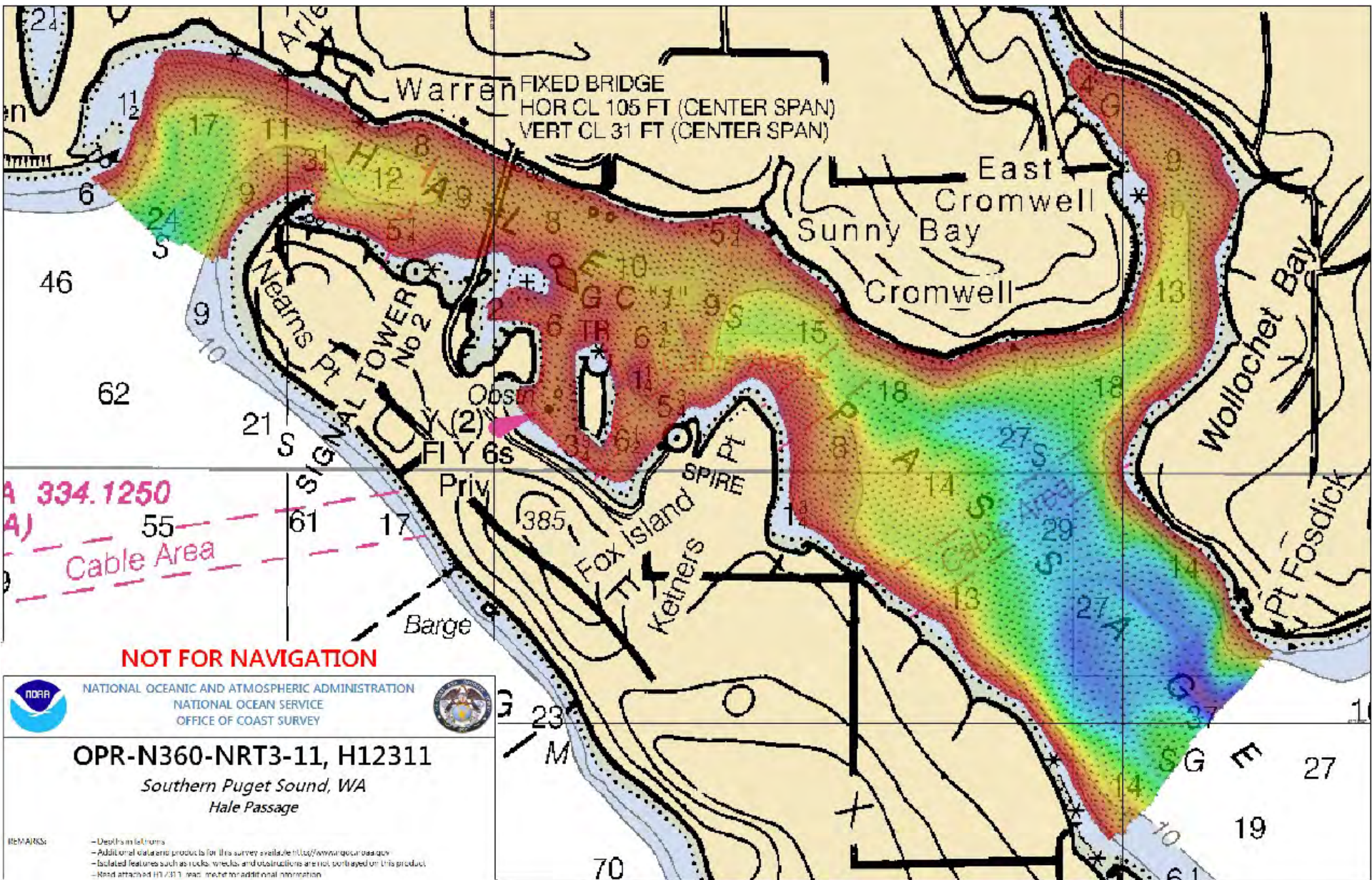
< Back

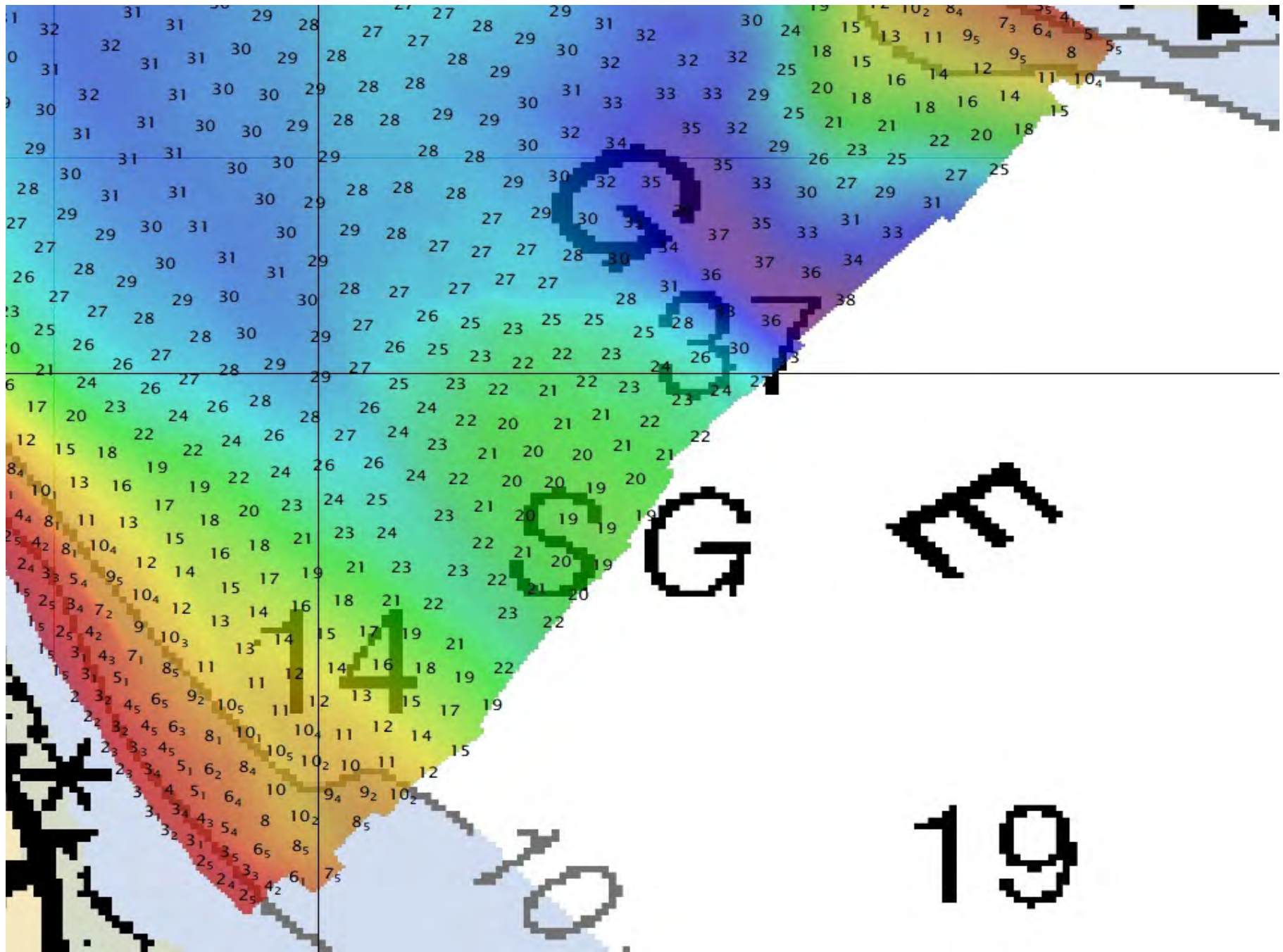
These data are not to be used for navigation.
For navigation please refer to [NOS Nautical Charts](#).

Downloads may take a long time, depending on [file](#) size and data transfer rates.

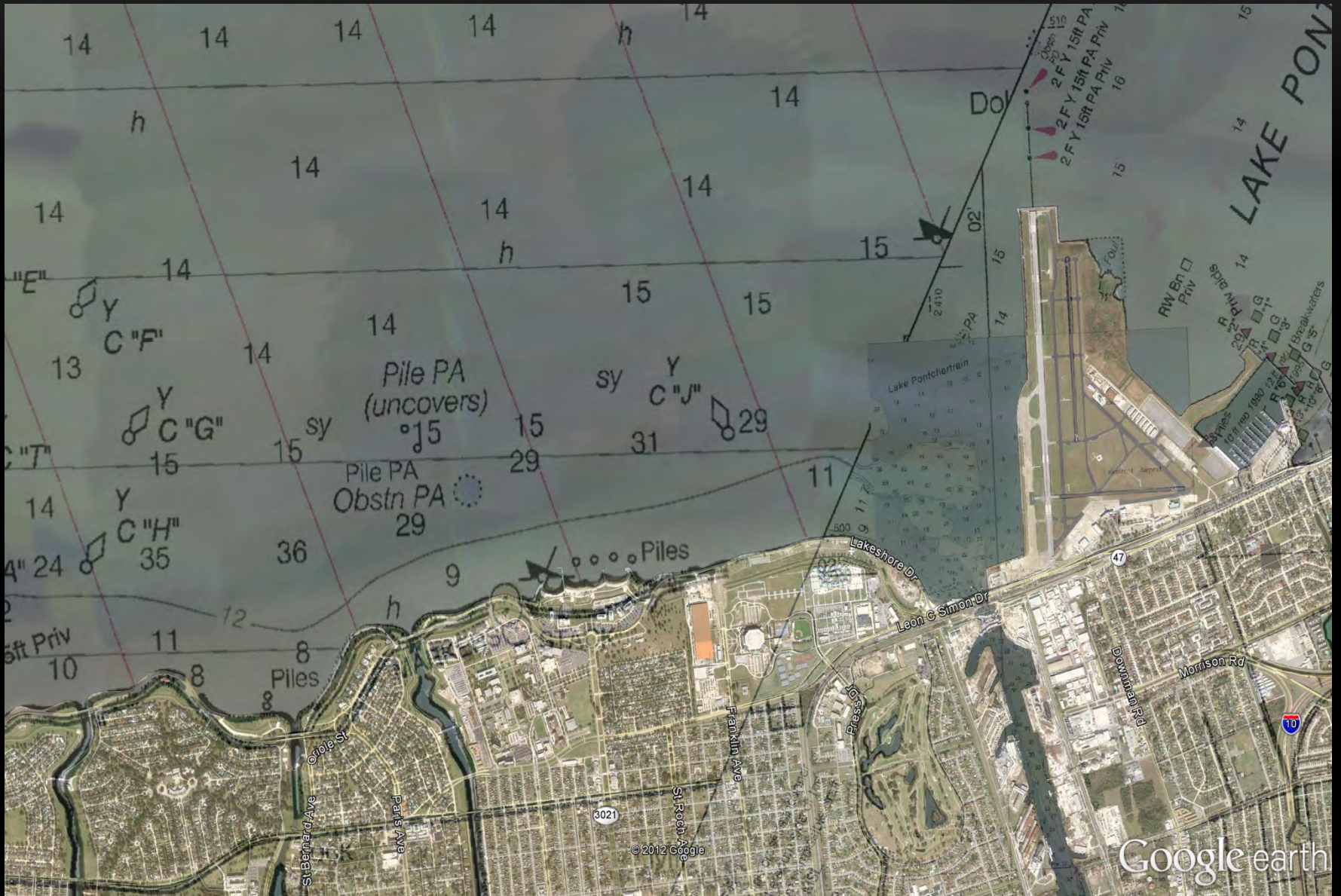
File Name (click to view/download)	File Size	Description
ISO Metadata ----		
gov.noaa.nos:H11583 / Download H11583.xml		NOAA/NOS ISO metadata record Usually presented as an XML document, which captures the basic characteristics present as well as F00400 (1994) to the present.
RAP Sheet ----		
gov.noaa.nos:H11583		NOAA/NOS Survey Rap Sheets An HTML document with parameters, geography, platforms, statistics and archive verified from H10000 (1982) to the present as well as F00400 (1994) to the present.
Descriptive Report ----		
H11583.pdf	15.5 MB	NOAA/NOS Descriptive Report in PDF format The report may be viewed using a free Adobe Reader.
GSF Data ----		
mb.tar.gz	3,309.0 MB	NOAA/NOS Survey Generic Sensor Format (GSF) data Multibeam bathymetric data for the entire survey, combined with tar and compressed.
Bathymetry Attributed Grid (BAG) ----		
<input checked="" type="checkbox"/> Select / Unselect All BAG files for conversion to XYZ text format. <input type="checkbox"/> Check here to include Uncertainty Data Select Data		
<input checked="" type="checkbox"/> H11583 2m MLLW 1of3.bag.gz	70.4 MB	NOAA/NOS Bathymetry Attributed Grid (BAG) file The BAG is a gridded, multi-dimensional bathymetric data file. (http://www.openocean.com) Free Viewer
<input checked="" type="checkbox"/> H11583 2m MLLW 2of3.bag.gz	78.7 MB	NOAA/NOS Bathymetry Attributed Grid (BAG) file The BAG is a gridded, multi-dimensional bathymetric data file. (http://www.openocean.com) Free Viewer
<input checked="" type="checkbox"/> H11583 2m MLLW 3of3.bag.gz	56.1 MB	NOAA/NOS Bathymetry Attributed Grid (BAG) file The BAG is a gridded, multi-dimensional bathymetric data file. (http://www.openocean.com) Free Viewer





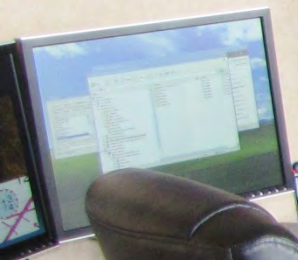
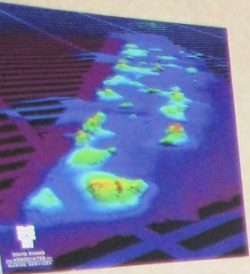


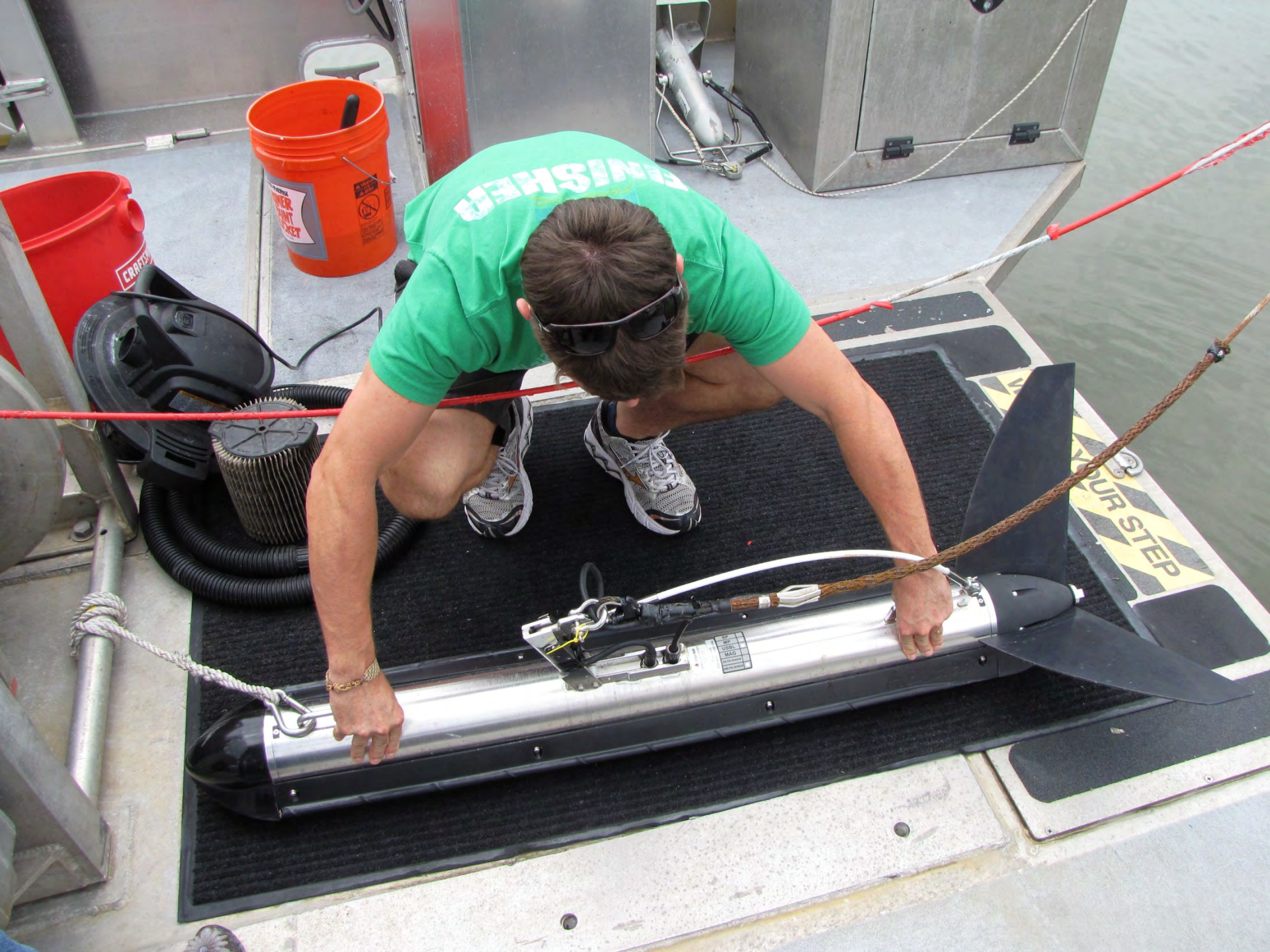
SUNO WITH CHART OVERLAY

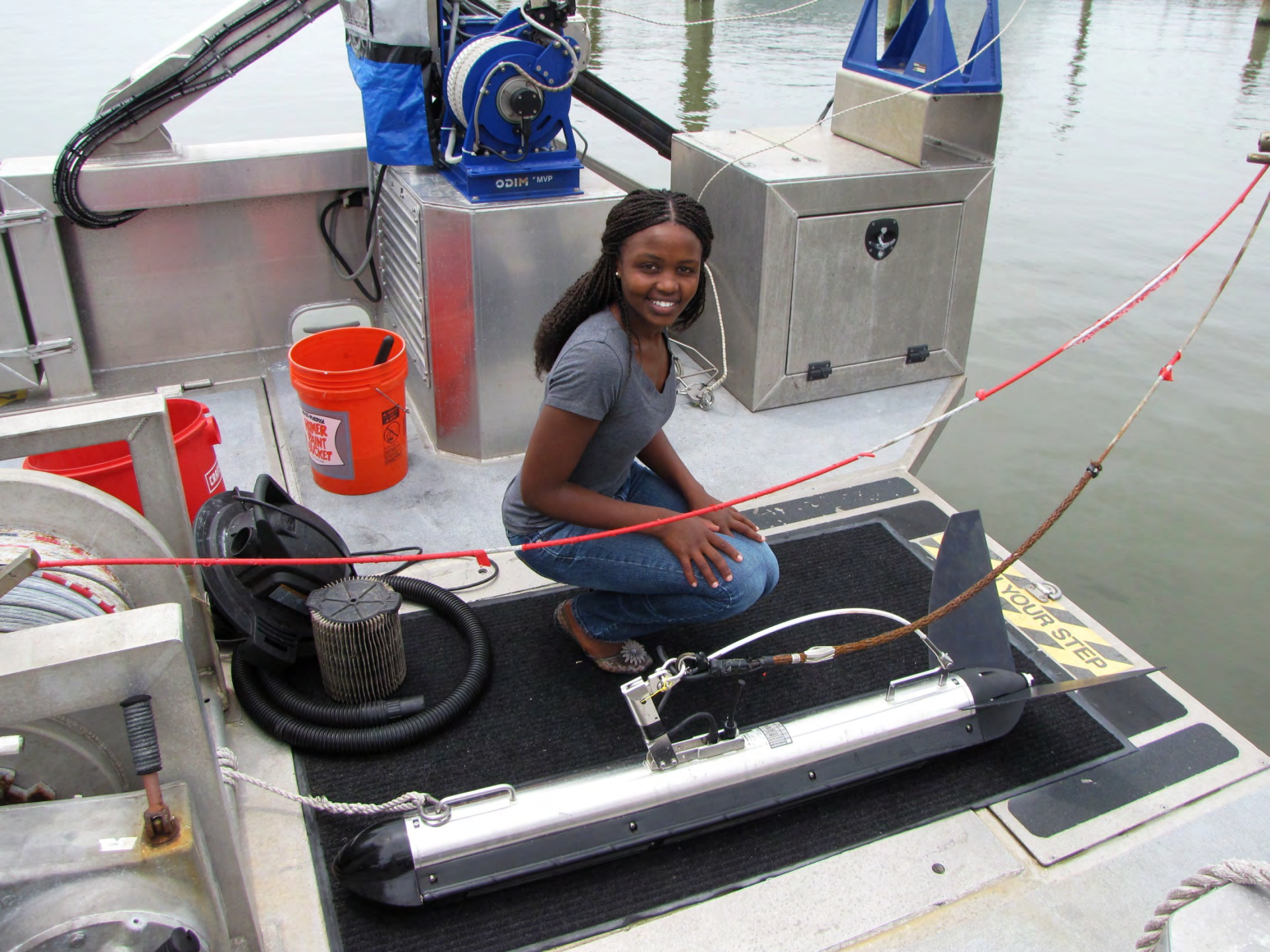


SITE VISIT TO NOAA SURVEY TEAM DAVID EVANS
& ASSOCIATES INC.

BILOXI, MS







225-202249-P

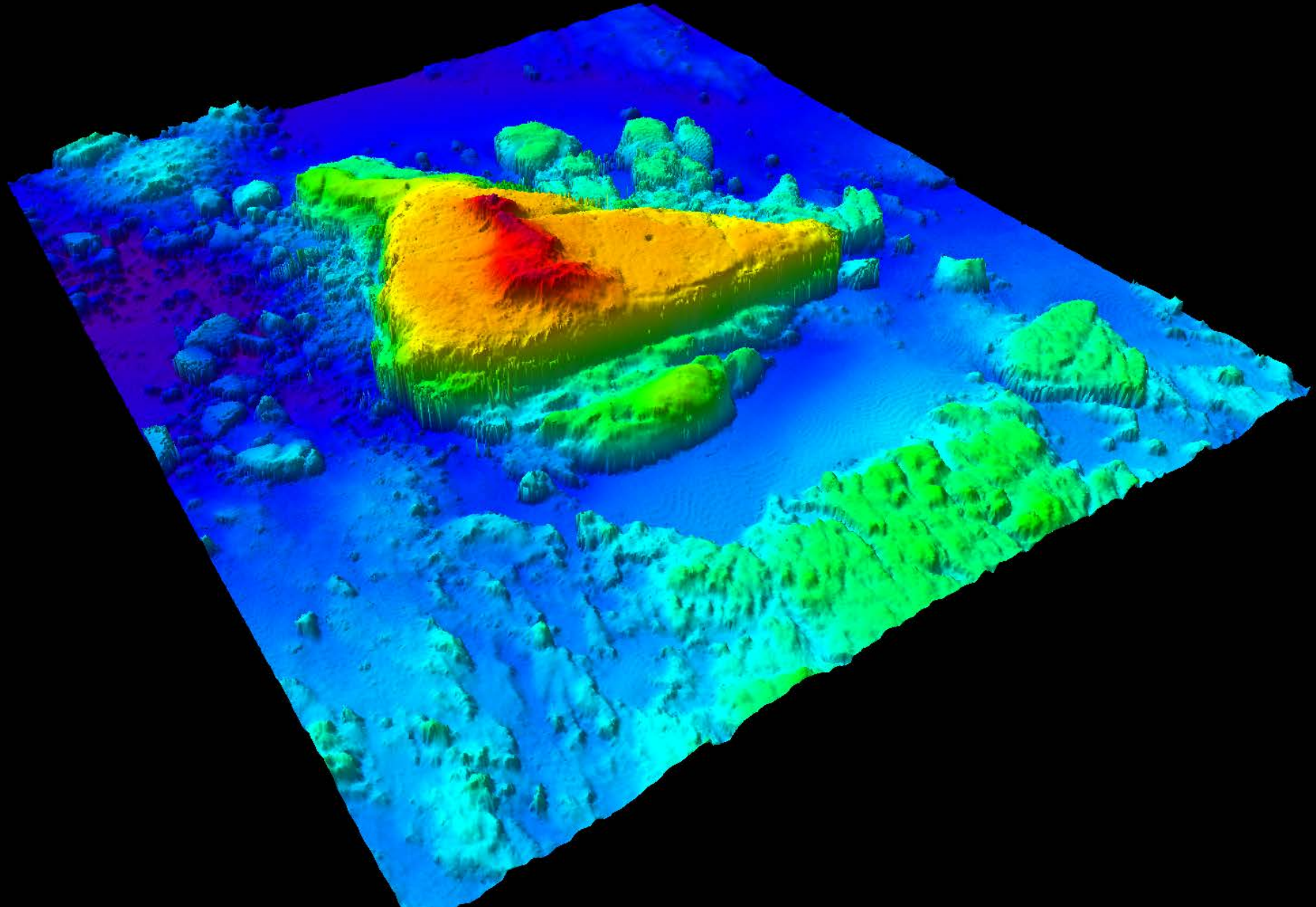
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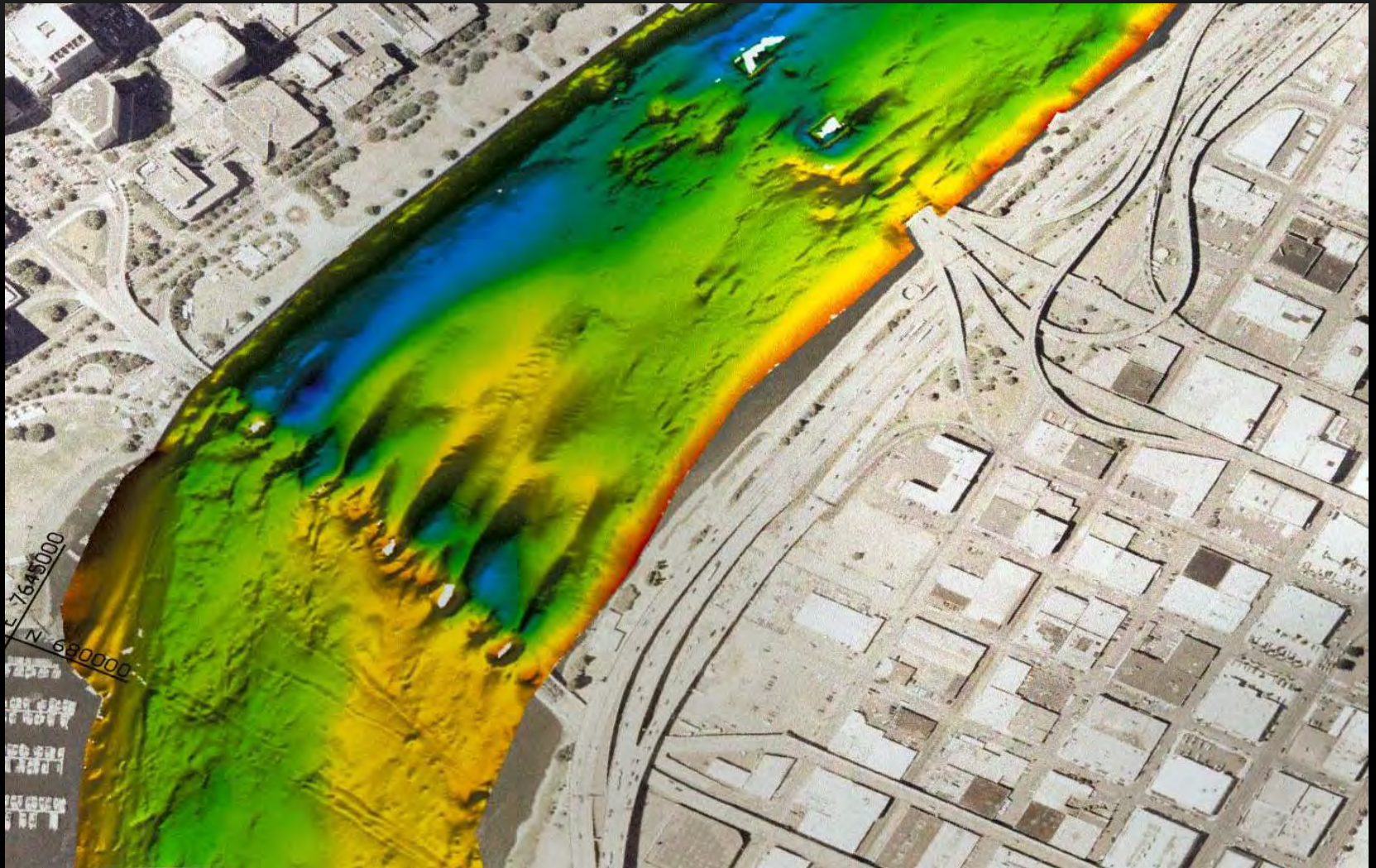




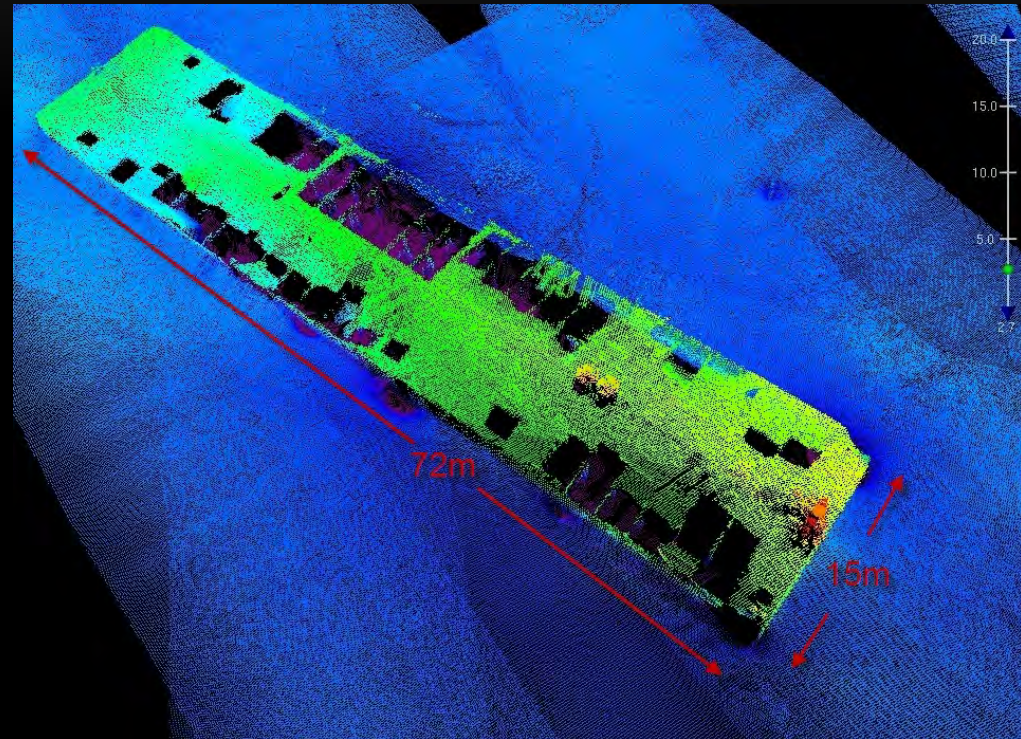
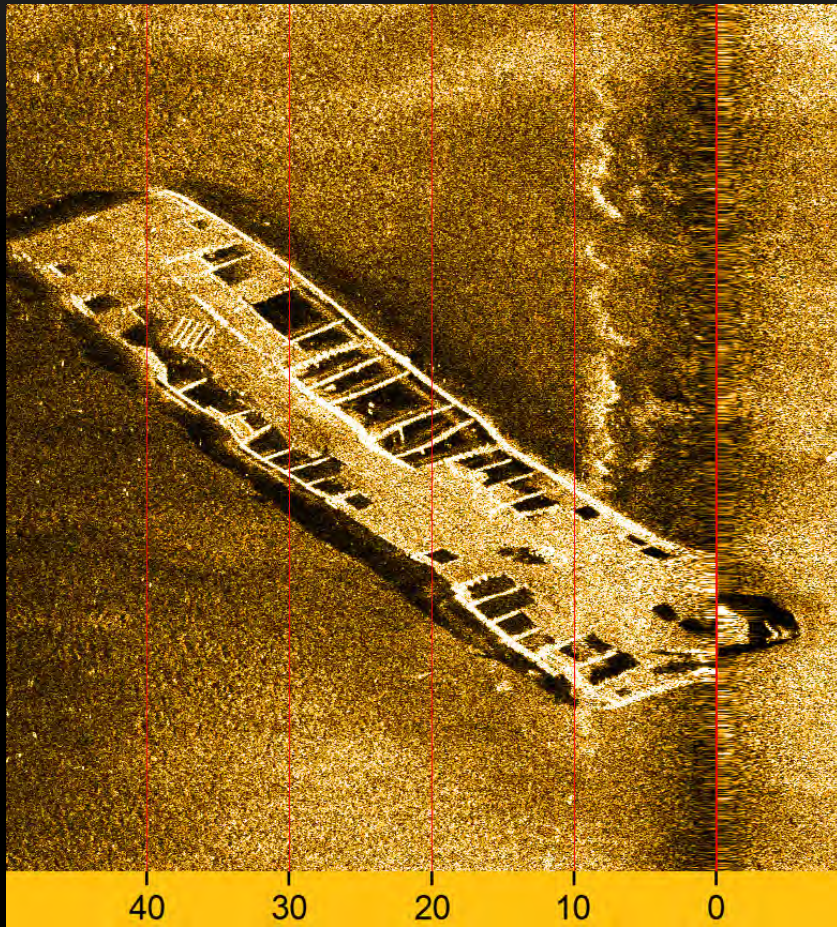
MULTIBEAM SONAR 3D IMAGE OF SUBMERGED OBSTRUCTION



HIGH RESOLUTION MULTIBEAM SONAR 3D IMAGE OF A RIVER



SIDE SCAN SONAR & MULTIBEAM SONAR IMAGES OF A SUBMERGED BARGE





WARNING
ALLEGEDLY DANGEROUS
IF YOU DO NOT READ THE
INSTRUCTIONS CAREFULLY
YOU MAY BE INJURED

REPORT ALL INJURIES

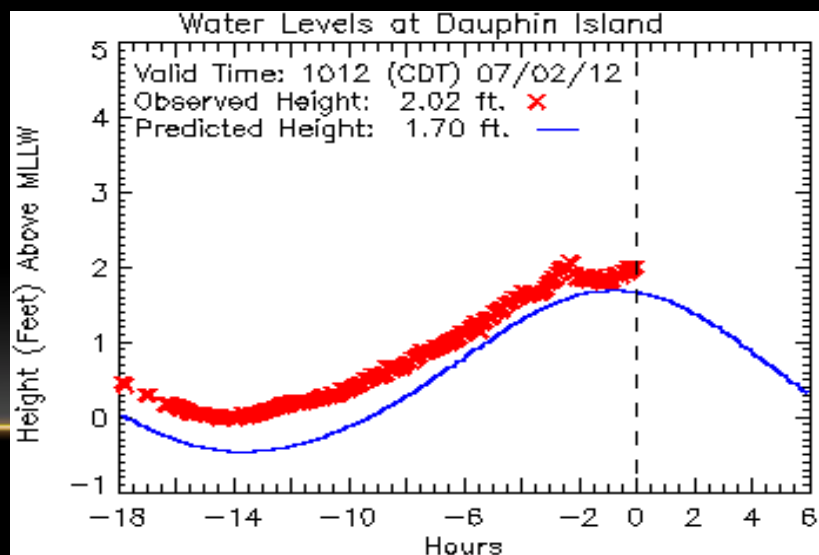
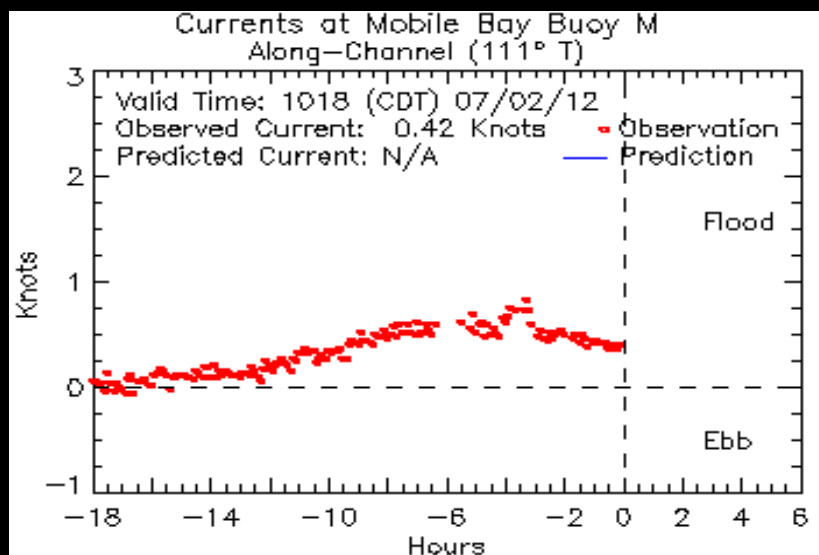
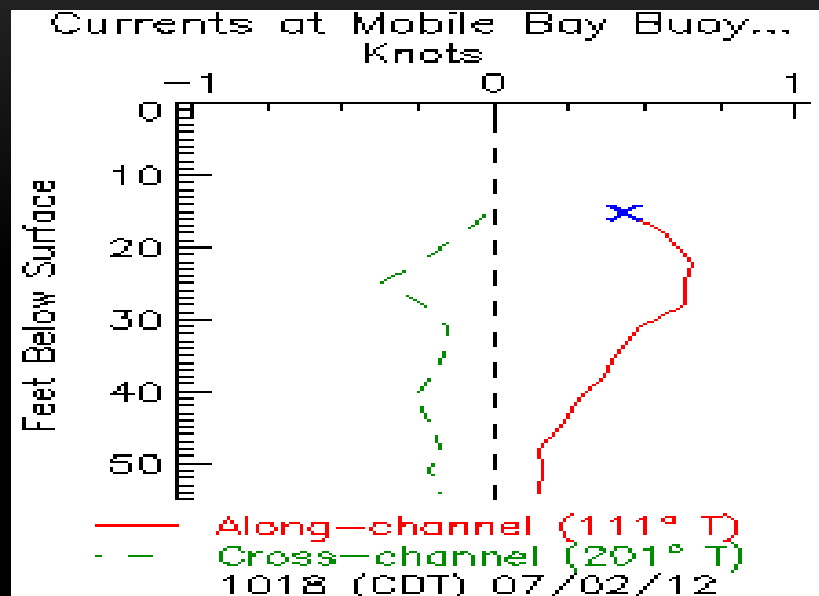
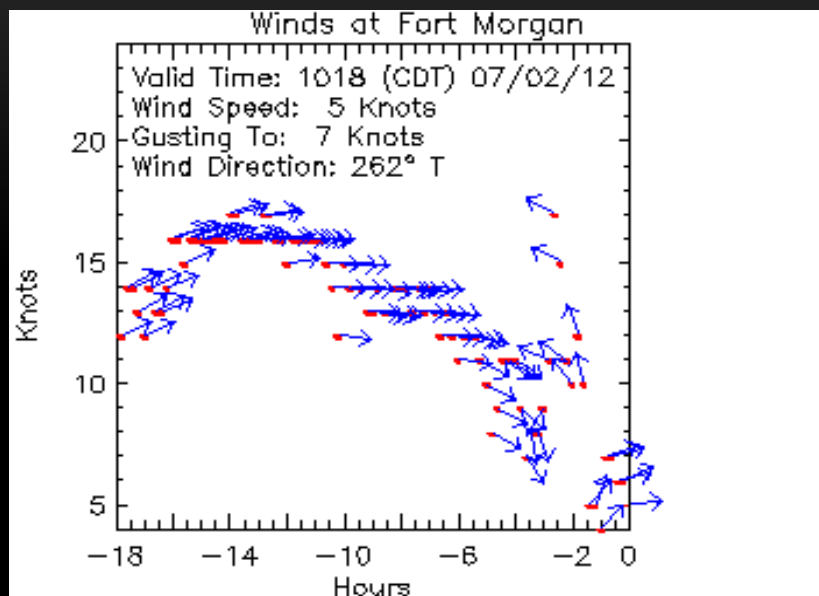
WARNING
FOR YOUR SAFETY
READ THE INSTRUCTIONS
FOR PROPER OPERATION
BEFORE USING THIS UTILITY





Water Level Data at the Port of Mobile

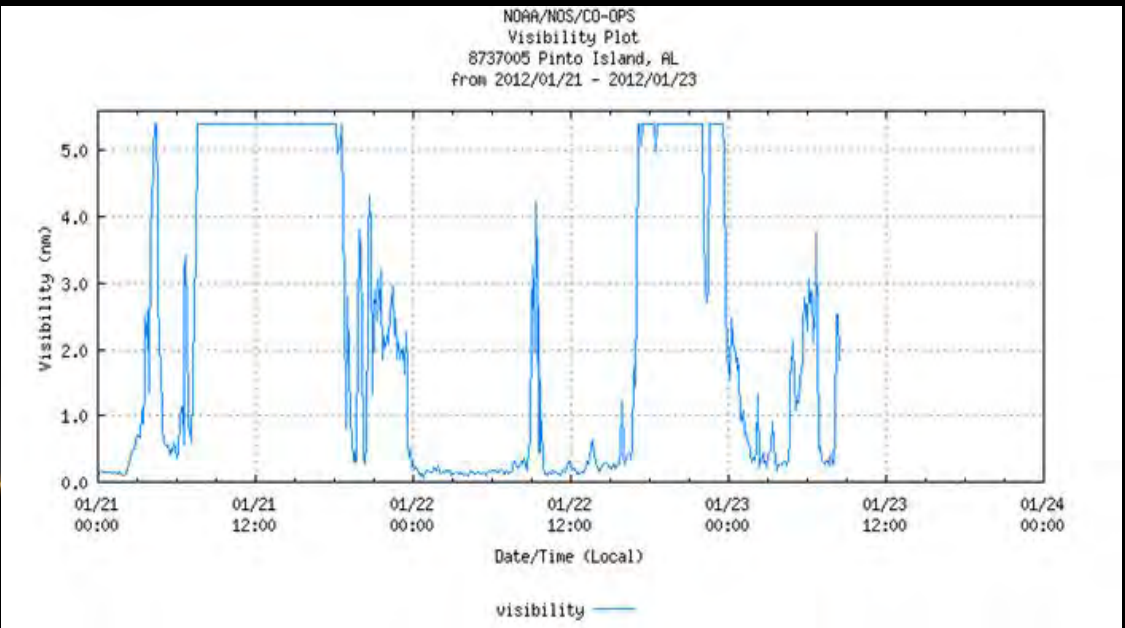
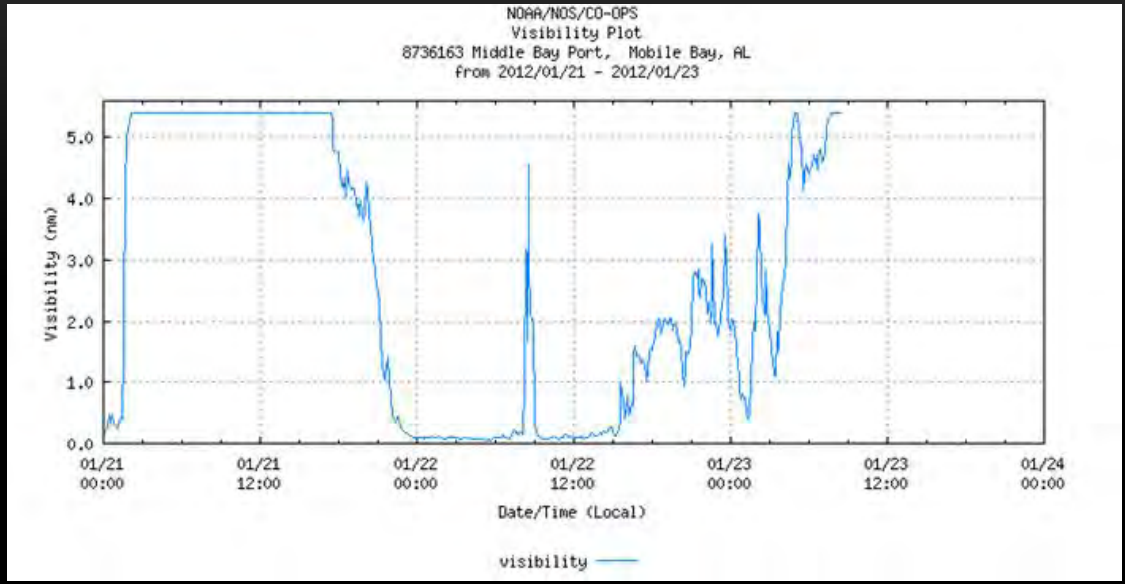
MOBILE BAY



NOAA Visibility Sensor



(height: ~7.3 m (24 ft) above the water)



PICTURES: PORT OF MOBILE









ZPMC
上海振华

3

SWL 36 MT Under Spreader
SWL 51 MT Under Cargobeam
SWL 78 MT Under Cargobeam (100% water-side of the rail)





DORO



418

434

SAMPLE SHIP AT PORT OF MOBILE DOCK WITH CHART OVERLAY





513

512

HURRICANE KATRINA HIGH WATER LINE

11.98 feet Above Mean Lower Low Water
Measured at State Docks, Mobile Harbor,
Mobile, Alabama on August 29, 2005
by the US Army Corps of Engineers
Mobile District



U.S. COAST SURVEY
U.S. COAST AND GEODETIC SURVEY
NATIONAL OCEANIC AND ATMOSPHERIC ADMINISTRATION
U.S. DEPARTMENT OF COMMERCE
NOAA
AT MOBILE STATE DOCKS
MOBILE, ALABAMA
IN THE 200TH YEAR OF NOAA
SURVEY OF THE COAST 1807-2007
NATIONAL OCEAN SURVEY
NATIONAL OCEAN SERVICE





✓
245
58"

✓
245
58"

ZARATE
#1739285

✓
245
58"

ZARATE
#1739285

245
58"

INTERNATIONAL PAPER

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CARTOCOR S.A.
 MADE IN USA
 ZARATE, ARGENTINA



DATE PRODUCED	SAP ORDER #
07/02/2012	0001739257000030

I. P. ROLL NUMBER	CUSTOMER ORDER #
0621840408	79000667

200 GSM LINER

BASIS WEIGHT	WIDTH	MOISTURE	WEIGHT - LBS
41	96 15/32	7.3	7242
		UNWIND	LINEAR MEASURE - FT
		<===	21740
SAP Material #	CORE	DIAMETER-IN	WIRE SIDE
000000000000100235	4	58	OUT
		POSITION	GRADE CODE
		C	47212
		WHS LOCATION	
			D5/1

Customer Name
 CARTOCORSA
 LUJAN



0621840408



PICTURES FROM NOAA FISH LAB
PASCAGOULA, MS



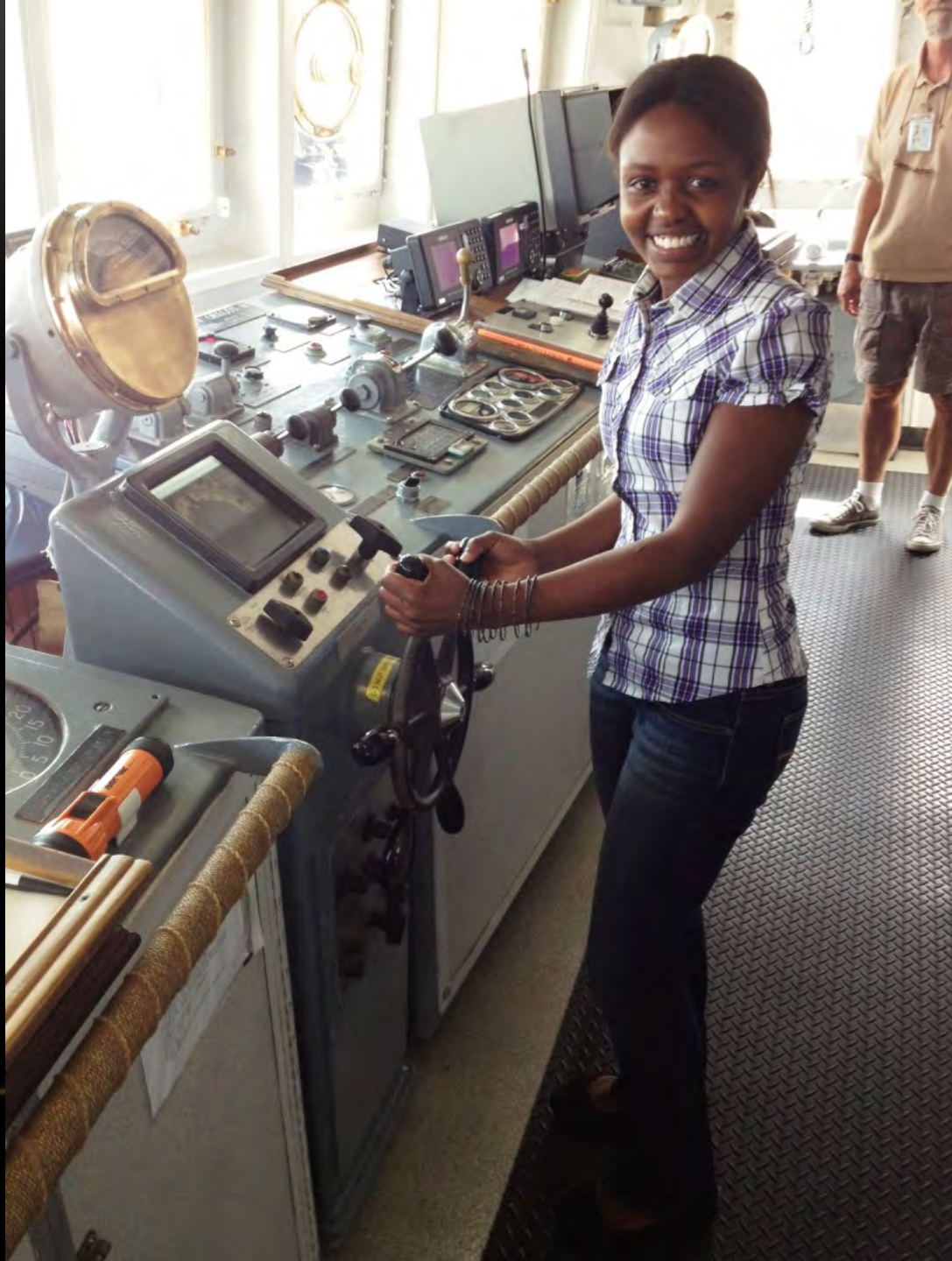






CHART ROOM









R/V OREGON II
R332

TCM

CARBIS

MEETINGS ATTENDED



- Hurricane Preparedness/ Industry Day, June 26th (Coast Guard, NOAA, National Weather Service)
- Conflict Management and Public Issues Training, July 10-11 (Mobile, AL)
- Security Committee Meeting, June 28th 2012 (Pensacola, FL)
- National Weather Service, June 20th (Mobile, AL)

Navigating in Rough Seas

Public Issues and Conflict Management

July 10-11 from 8:30 AM – 4:30 PM

Disaster Response Center, 7344 Zeigler Blvd, Mobile, AL 36608

- **Hosted by the NOAA Coastal Services Center:**

Providing communication strategies for scientists and educators

- **Meeting Management Techniques:**

Meeting design and planning, time management and facilitation skill development

- **Managing groups and teams:**

Conflict management and resolution, dealing with difficult people, problem solving via group processes

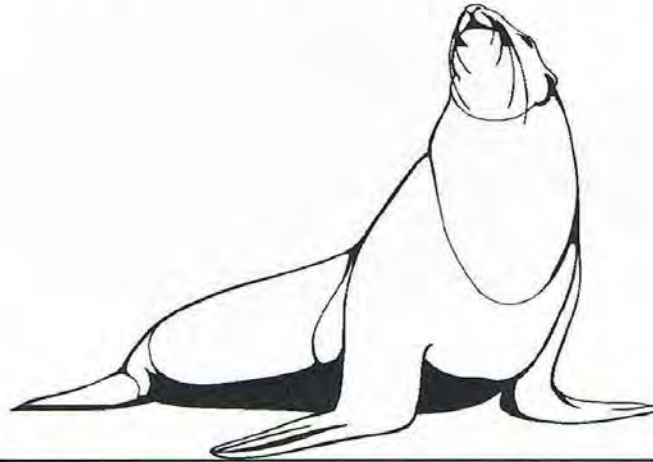
- **Dealing with the media – A Panel Discussion:**

University of South Alabama Communication Professor

Local Mobile TV Reporter

4. Know-It-All/Arrogant: The Sea Lion ✓

Know-it-all experts believe—and want others to believe—that they have unsurpassed command of information. They also believe that they have the right values and correct opinions. With cockiness and an inflated ego, they are frequently condescending, imposing, pompous, or arrogant toward others. In all likelihood, the know-it-all will make you feel like an idiot.



Suggestions for Dealing with the Know-It-All Sea Lion:

- **Listen actively** to them and acknowledge what they say.
- **Ask questions**, but do not confront them. They hate being wrong.
- **Stay neutral.** Avoid being a counter-expert.
- Let them be the expert they think they are (Warden 1983).
- **Summarize**, and then use the phrase “yes, and . . .” to move on.
- **Ping-pong** to the group, and let them deal with the know-it-all’s theories.
- Give them space and time to express thoughts.
- Arrange to give them the arena they desire.

1. Complainer/Negative: The Crab ✓

The complainer can come in many forms: whiner, critic, or obstructionist. Despite the negative connotation, this is a person often motivated by perfection (that is, this person becomes dissatisfied when nothing can meet the perfection he or she needs). Negative, complaining people object to everything, asserting that ideas proposed will not work or are impossible. They may completely deflate any optimism others have for a project and may block others from accomplishing goals. Crabs gripe and do little to improve the situation—either because they feel powerless, or because they refuse to bear the responsibility for a solution.



Suggestions for Dealing with the Complaining, Negative Crab:

- **Listen actively**, even though it will be very difficult. Interrupt complainers who are repeating themselves.
- Acknowledge what the complainer says by **paraphrasing** the complaints.
- **Stay neutral**. Do not agree with the complaints. Do not get drawn in. Avoid the accusation-defense-accusation sequence (that is, where you defend an accusation and then are re-accused); the cycle is unending.
- State your own realistic optimism.
- **Ask questions** that will clarify specifics from the complainer.
- **Summarize**. State the facts—without comment and without apology.
- Switch to problem solving, but do not hurry the solutions. **Ask** for “ways to help” in order to shift the focus to solutions.
- Be prepared to go through this strategy from the beginning several times; complainers are slow learners.
- Play on the complainer’s ambitions: recognize his or her knowledge and experience and use it.
- People who always say “no” can be a resource. They may serve as a “smoke detector” and point out potential problems to be addressed.

Port Economic Impacts



- Job opportunities
- Employment generates taxes and revenue to the government
- Tourism and gaming
- Ports provide a connection for industries within the state (construction, service and maritime jobs)
- Imports and exports shipped worldwide



WRAP - UP

- Questions and Comments
- Acknowledgements
 - Northern Gulf Institute
 - NOAA Coast Survey
- Resource Web Sites
 - www.asdd.com
 - <http://www.northerngulfinstitute.org/>
 - <http://www.tidesandcurrents.noaa.gov/ports.html>
 - <http://maps.ngdc.noaa.gov/viewers/bathymetry/>
 - www.nauticalcharts.noaa.gov
 - www.weather.gov
 - www.nhc.noaa.gov