

# Scholars' Perspectives

**Year 11**

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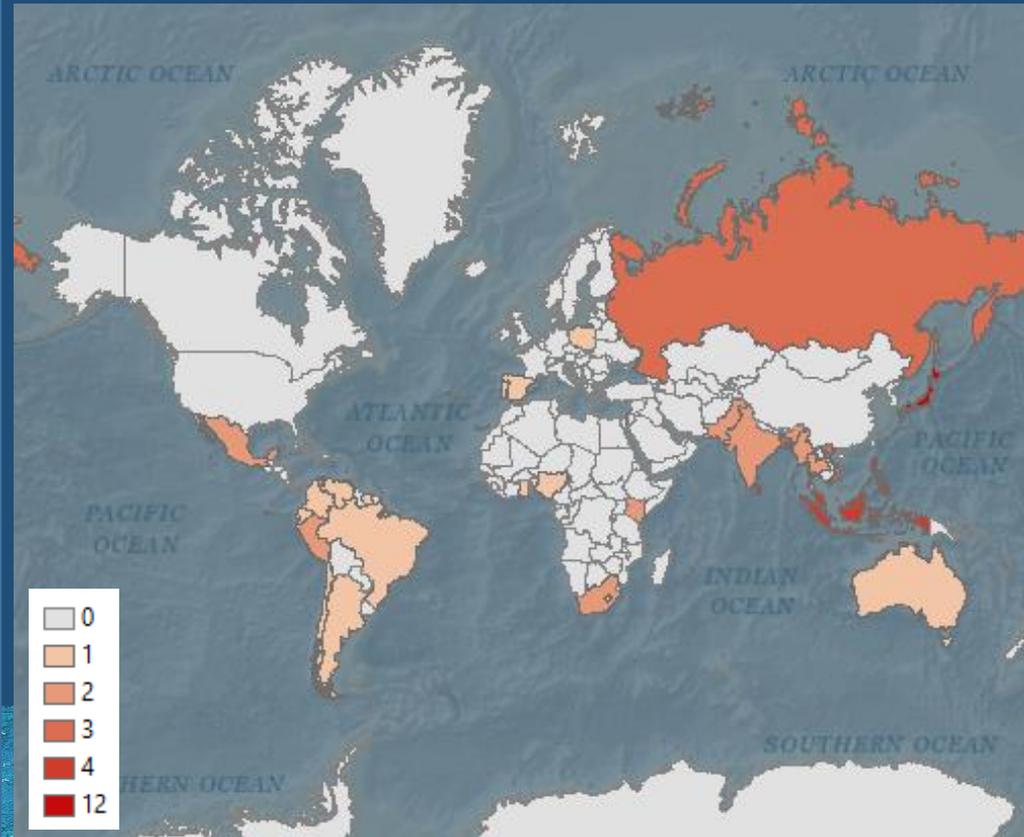
# How we've got here?



BELLINGHAM

ANTARCTICA

# Application and Selection Process



# What have we got ourselves into?

## FALL Semester

- Ocean Mapping I
- Geological Oceanography
- Application Tools for Ocean Mapping
- Math for Geodesy

## LAB VISIT & TRAINING

## SPRING Semester

- Ocean Mapping II
- Geodesy and Positioning
- Bathymetric Spatial Analysis
- Seamanship and Marine Weather

SEPT | OCT | NOV | DEC | JAN | FEB | MAR | APR | MAY

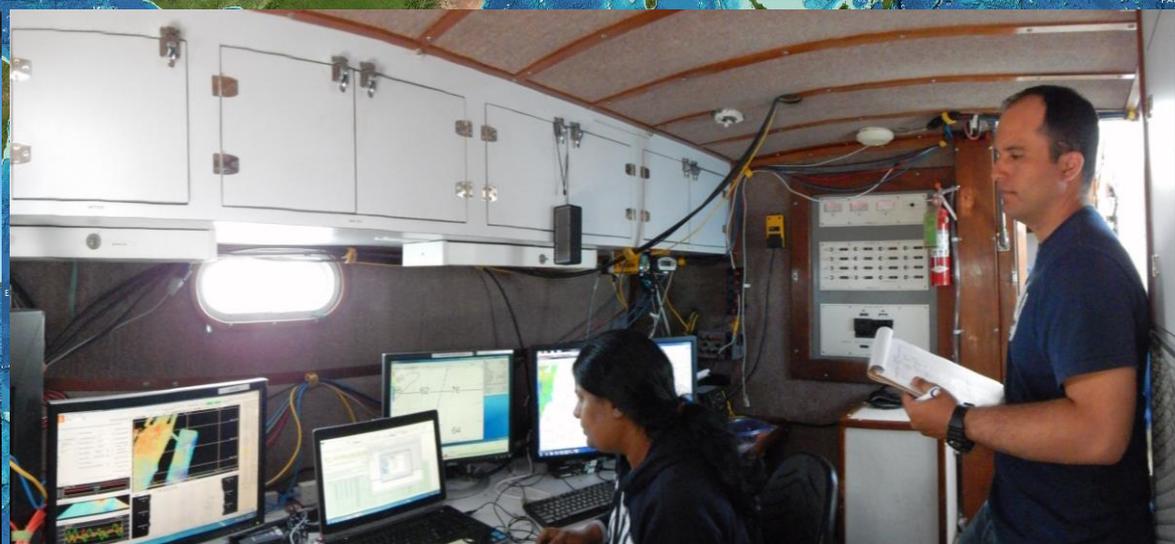
BELLINGHAUSE

BEARD ROCK

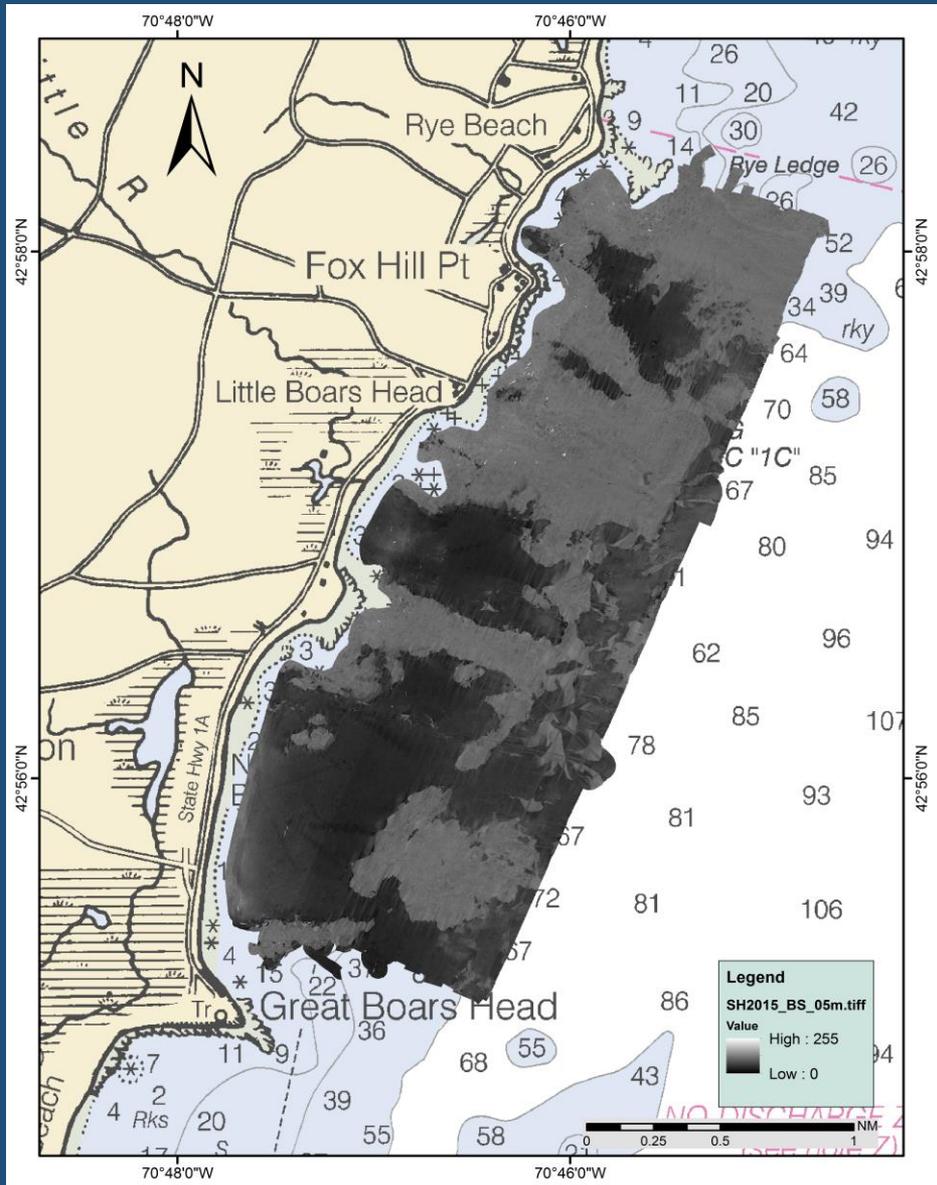
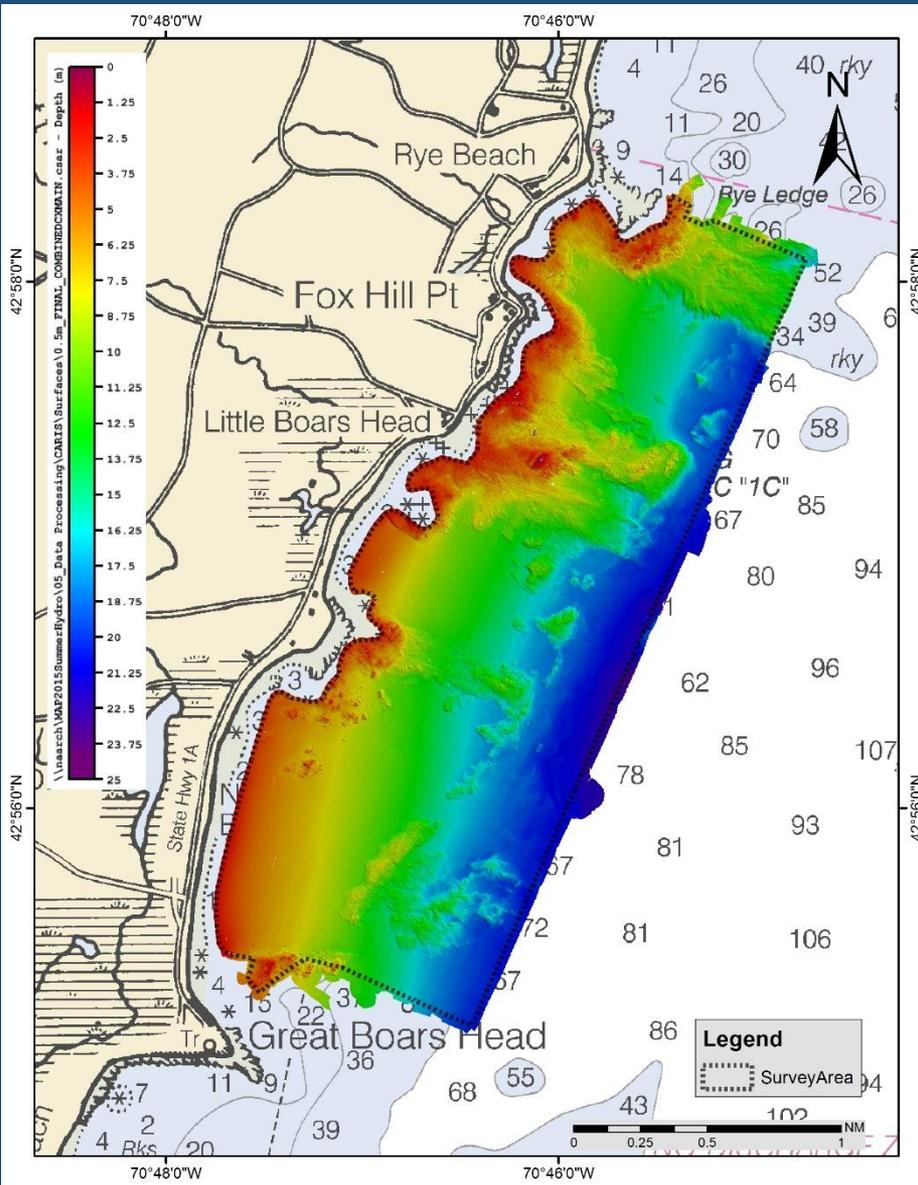
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# SUMMER HYDRO (June –July)



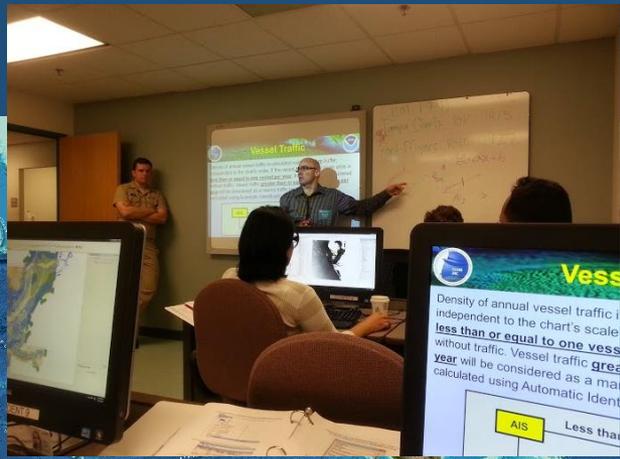
# SUMMER HYDRO (June –July)



# GROUP LAB VISITS: NGDC Boulder, CO



# GROUP LAB VISITS: NOAA HQ, Silver Spring, MD



## Photo Credits:

Topmost: Cdr KaramuddinYusoff

Top: NOAA

## Hydro

INTERNATIONAL

### Article

## First NOAA Chart Adequacy Workshop - 27/08/2015

Dr. Shachak Pe'eri, LT Anthony Klemm and Dr. Rochelle Wigley, USA



The key objective of the NOAA Chart Adequacy Workshop was to demonstrate techniques to evaluate the suitability of nautical chart products using chart quality information and publicly-available information. The three-day workshop was held in Silver Spring, Maryland, USA, from 14 to 16 July 2015. The attendees were cartographers, hydrographers and potential chart producers from hydrographic offices and government agencies around the world. The

nations of the participants in the workshop included: Indonesia, Israel, Japan, Kenya, Malaysia, Philippines, South Korea, Sri Lanka, United Kingdom, United States and Venezuela.

The workshop began with a general overview of chart adequacy procedures, emphasizing that the focus of the workshop was quality management (as opposed to uncertainty management where risk is calculated based on potential consequences by different users and vessels in different marine settings). NOAA's Lt Anthony Klemm stated the three main goals of the workshop: 1) Train an international group of hydrographers and cartographers; 2) Discuss and review a procedure for assessing chart adequacy based on the depth, main traffic routes and the last available survey in the area; and; 3) Present different publicly available datasets and

<http://www.hydro-international.com/content/article/first-noaa-chart-adequacy-workshop>

# Internship/ Lab Visit / Scientific Cruise

- **Marine Chart Division – NOAA**
  - Satellite – Image Derived Bathymetry (local data)
- **CCOM / JHC**
  - Ocean Exploration and Research – Okeanos Explorer
  - Bureau of Ocean Energy Management (BOEM) Project
- **CARIS**
- **British Oceanographic Data Center**
  - GMT
- **R/V Langseth**
  - ECS Survey
- **R/V Maria S Merian**

# What we got?

- Post-graduate Certificate in Ocean Bathymetry (PCOB)
- Graduate Certificate (UNH)

Category A



# When we're reminded to sit back...



どうもありがとうございました！！！！

*Muchas gracias!!!!*



Asante  
Sana

*Terima kasih banyak!!!*

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Maraming salamat po!!!

Baie Dankie / Thank you!!!