



IHO

International
Hydrographic
Organization



IHO-ROK Category "A" Programme at the University of Southern Mississippi, USA Alumni Speech

LTJG Nuttachai Luangaram

Hydrographic Data management and maritime boundary officer

Hydrographic Department, Royal Thai Navy

Outlines

1. Self Introduction
2. Research topic with results
3. Application to current work field
4. Question

Personal Information

Name Nuttachai Luangaram

Current job Hydrographic data management and maritime boundary officer

Workplace Hydrographic Department, Royal Thai Navy

Nationality Thai

Date of birth 03/10/1995

Language Thai/English (TOEFL scores 80/120)

Education

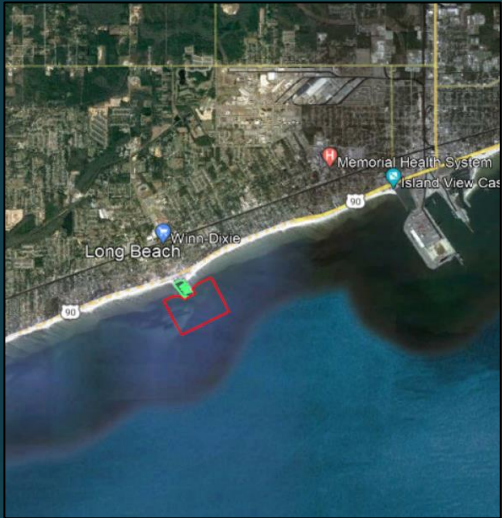
- August 2021 - August 2022
Master of Science Hydrographic Science at the University of Southern Mississippi Mississippi, USA
- April 2014 - April 2018
Bachelor of Science in Hydrographic Engineering at the Royal Thai Naval Academy, Thailand

Work Experience

- October 2018 – Current
Hydrographic Data Management and Maritime Boundary officer
Navigator at the HTMS Phareuhatsabodi



Research topic with results

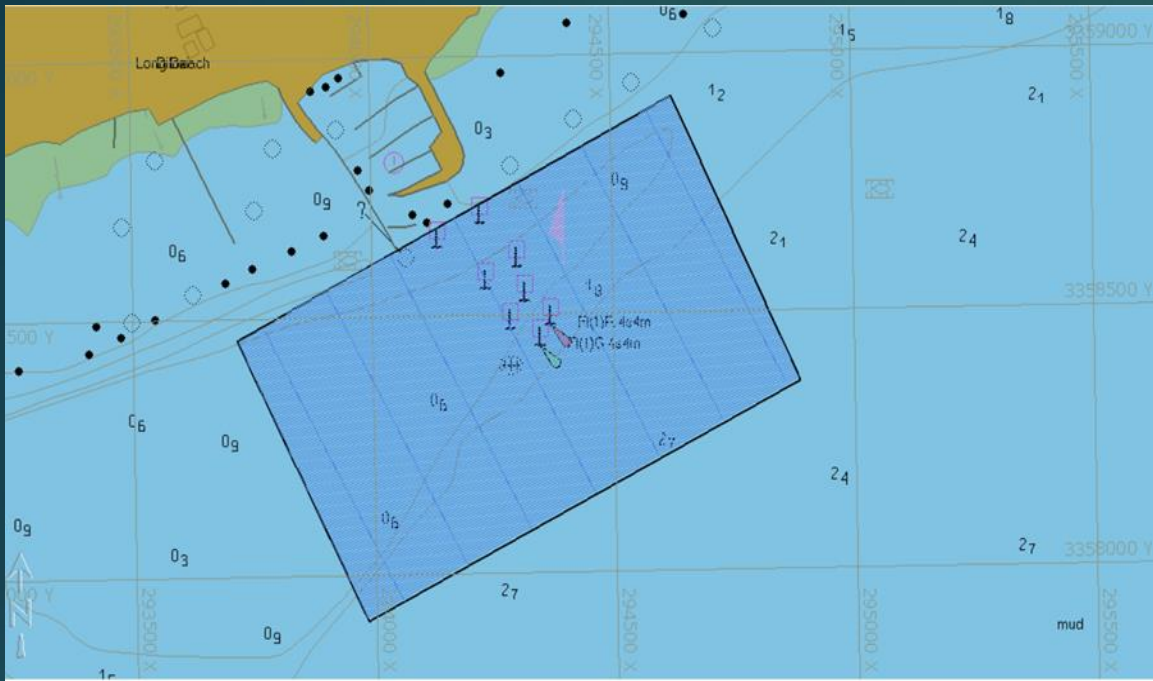


LONG BEACH HARBOR, LONG BEACH, MS

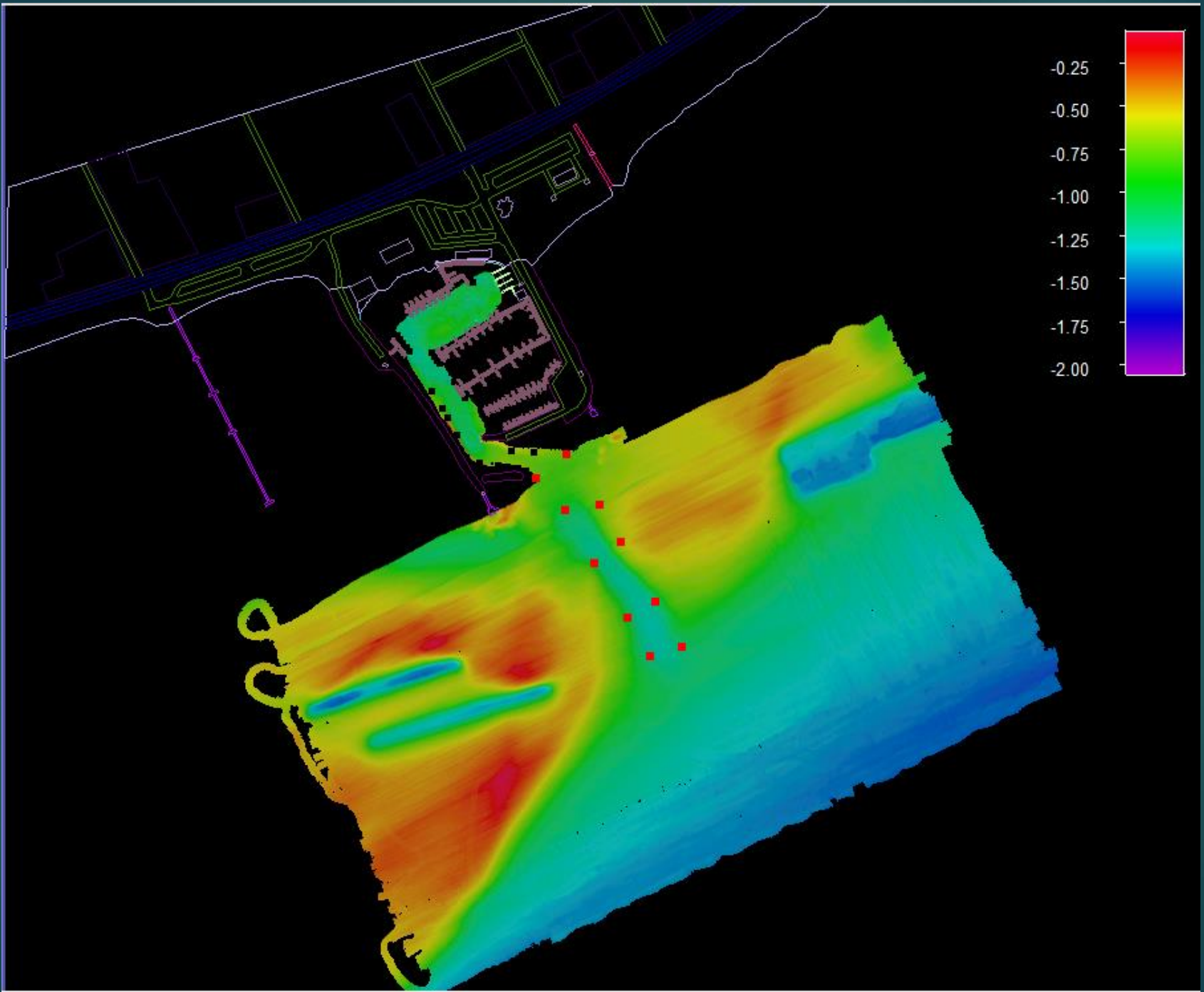
- Past Strong Hurricanes Devastated the Facility of the Long Beach Harbor
- Long Beach Harbor is not fully operational since Hurricane IDA (August 2021) except for launching boats.

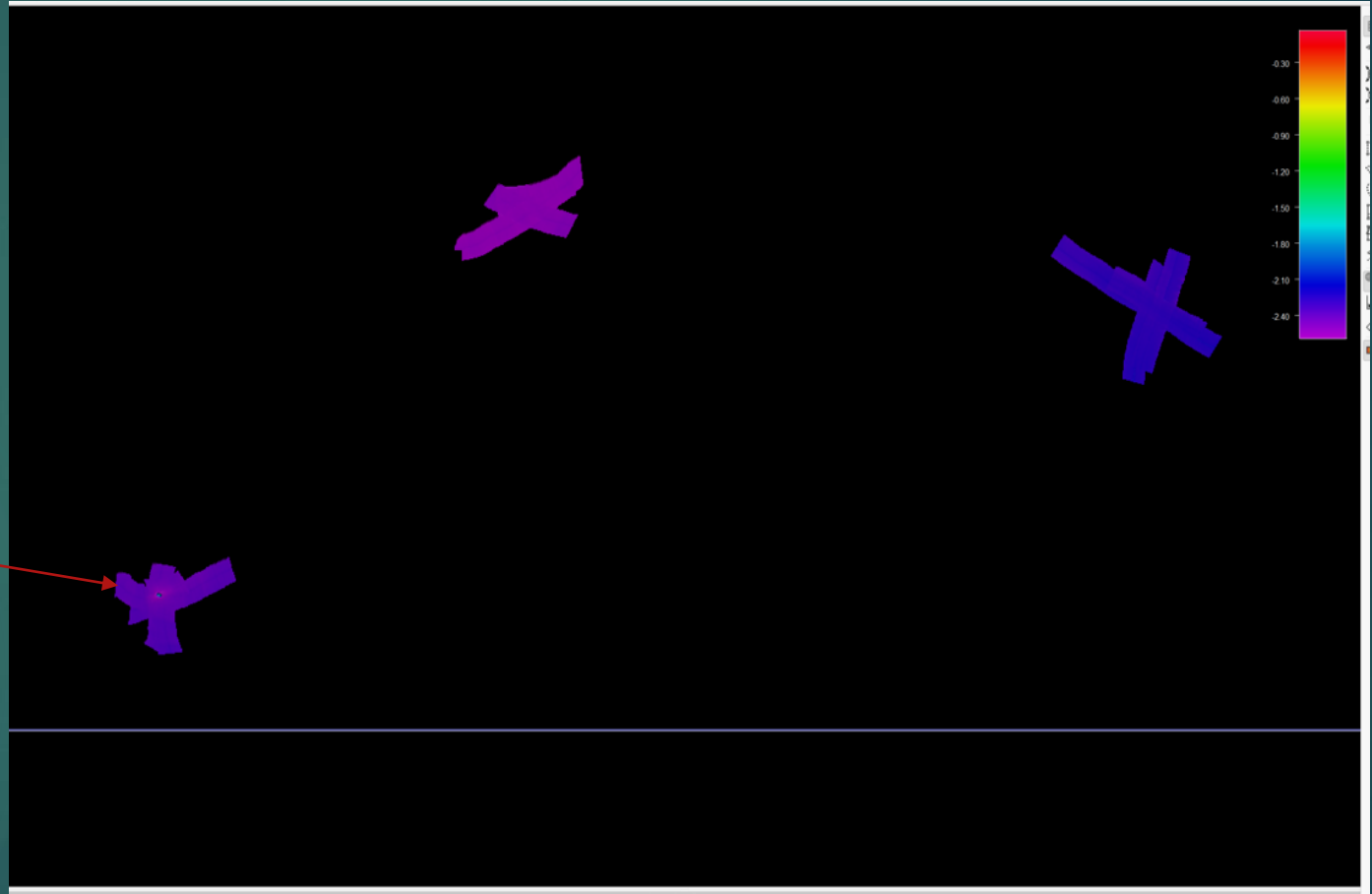
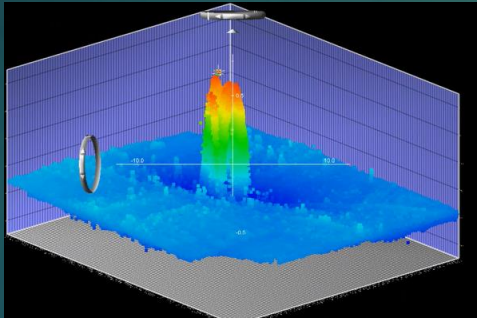
PURPOSE OF THE SURVEY

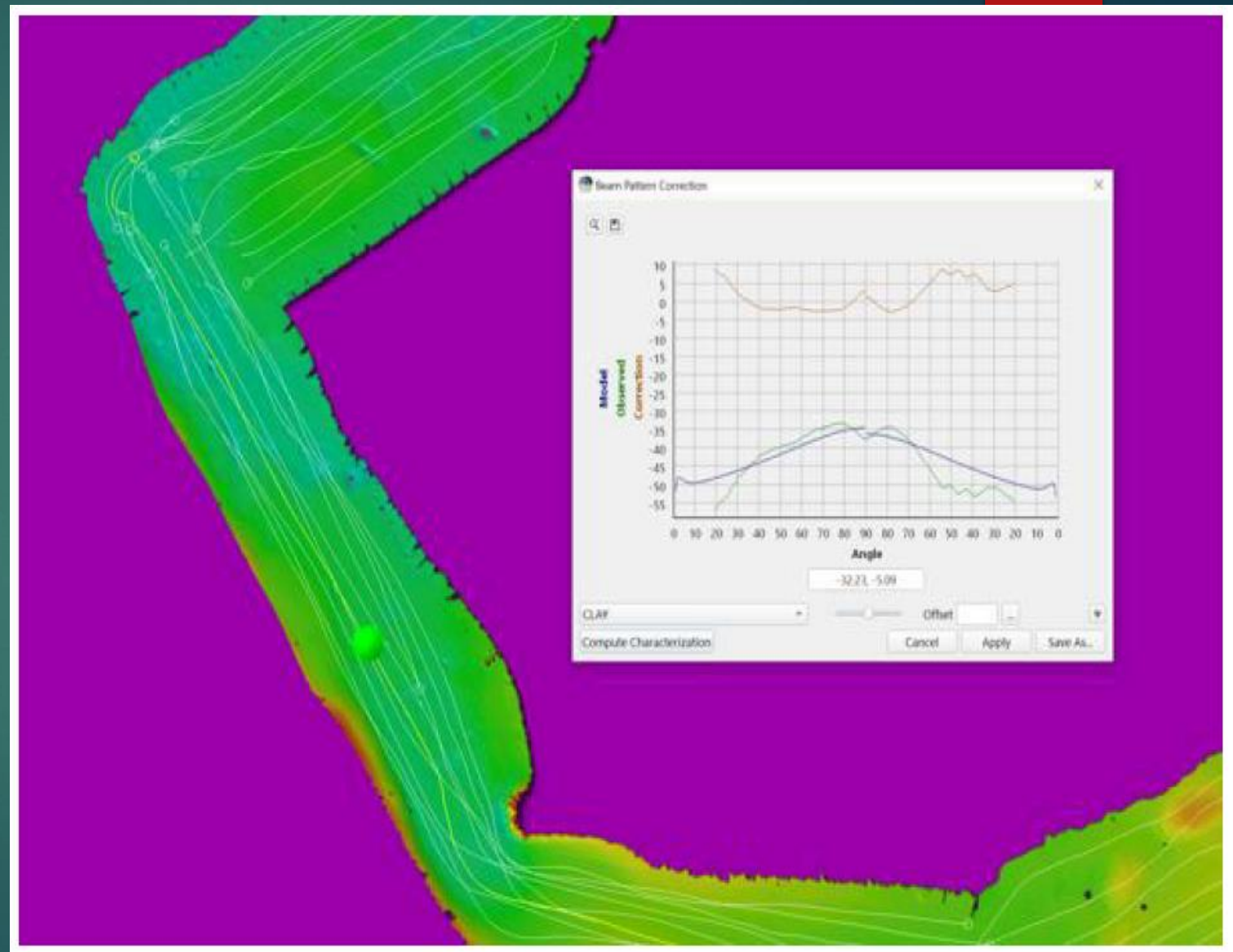
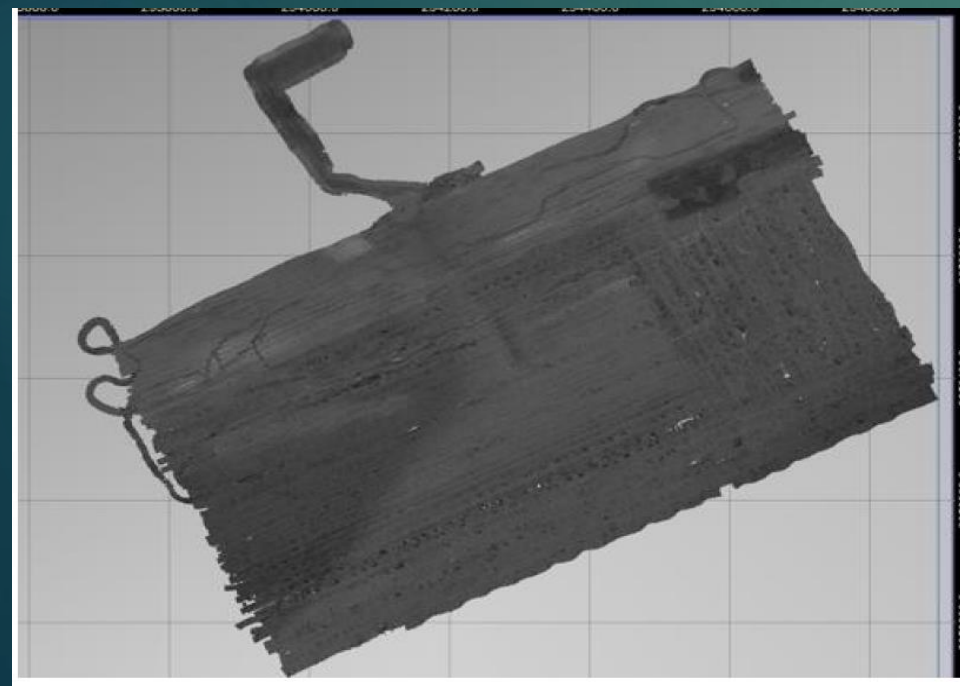
- Survey for possible presence of wrecks, underwater obstructions, DTONs, etc.
- Survey for charting depth of the area
- Verify all ATONS, wrecks, and obstructions
- Update applicable publications
 - Charts 11372, US5MS11M, US5MS10M
 - Coast Pilot
 - Notice to Mariners
 - Light List

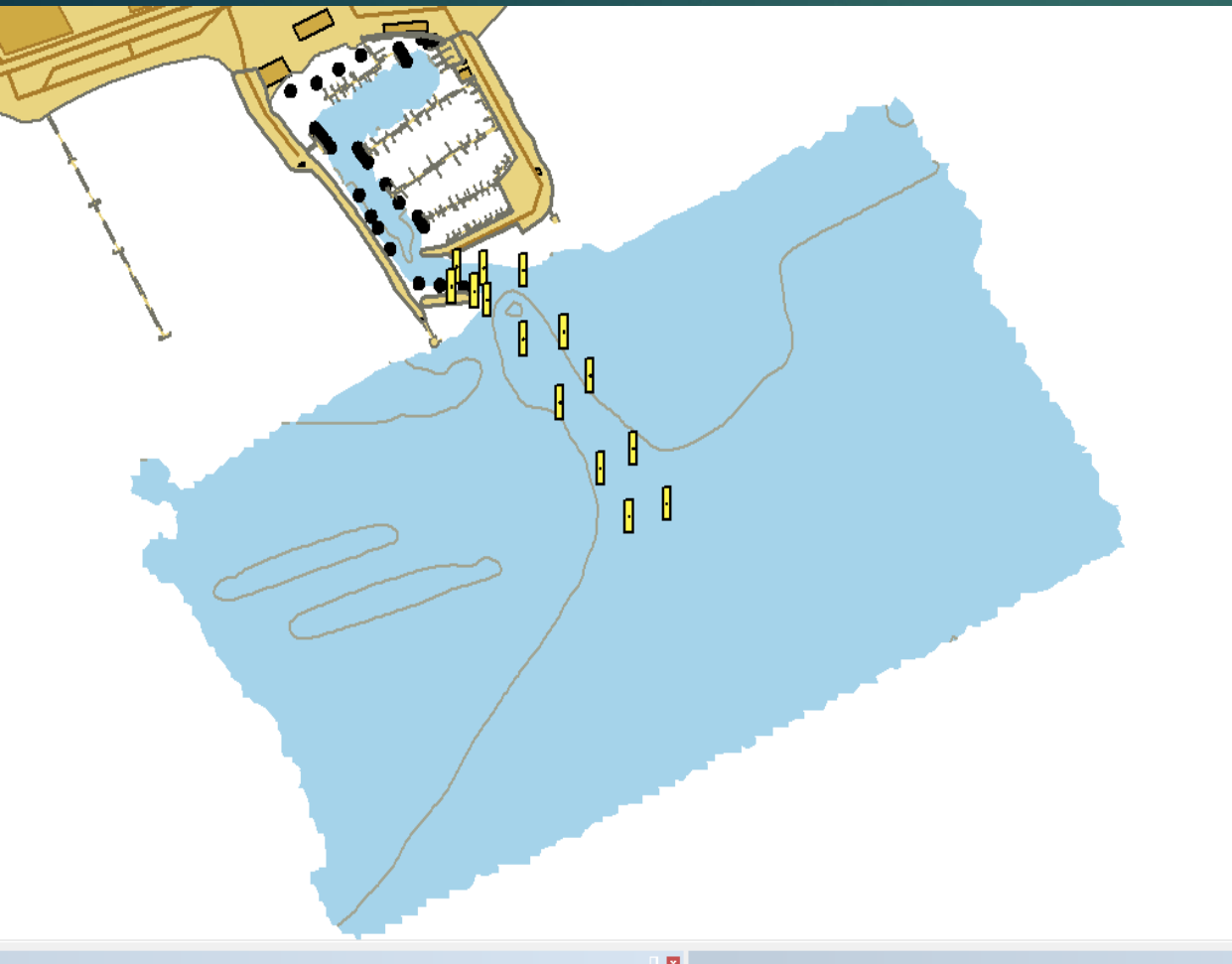


IHO Order	Special
%Coverage	200%
Average Depth	1 meter
Swath Angle	130 degrees
Survey Speed	6 knots
Total Line Distance (Regular Lines)	132.4 km
Total Line Distance (Cross Lines)	5 km
Total No. of Hours (Regular Lines)	15 hr
Total No. of Hours (Cross Lines)	00:40:41
Total Survey Area	0.67 sq km









BCINSAW

Validation

==== Validation, Customized QC Tests - start: Jul 21, 2022 11:54:36 PM =====

No issues found.

==== Validation, Customized QC Tests - end: Jul 21, 2022 11:54:36 PM (Elapsed Time: 00:00:00) =====

S-58 Critical Errors: PASS

==== Validation, S-58 Critical Errors - end: Jul 21, 2022 11:54:36 PM (Elapsed Time: 00:01:27) =====

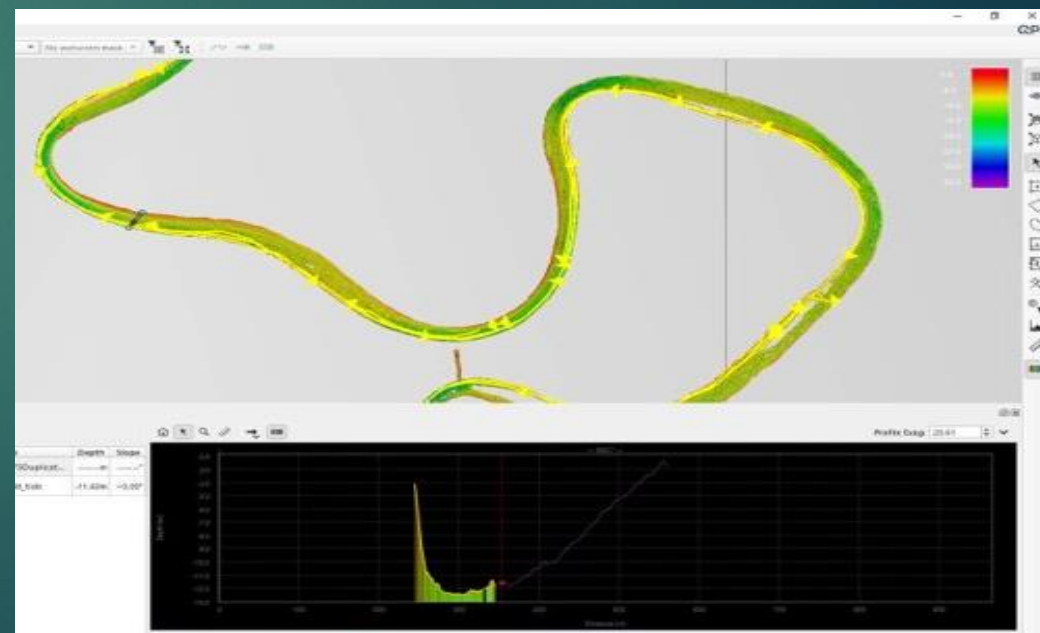
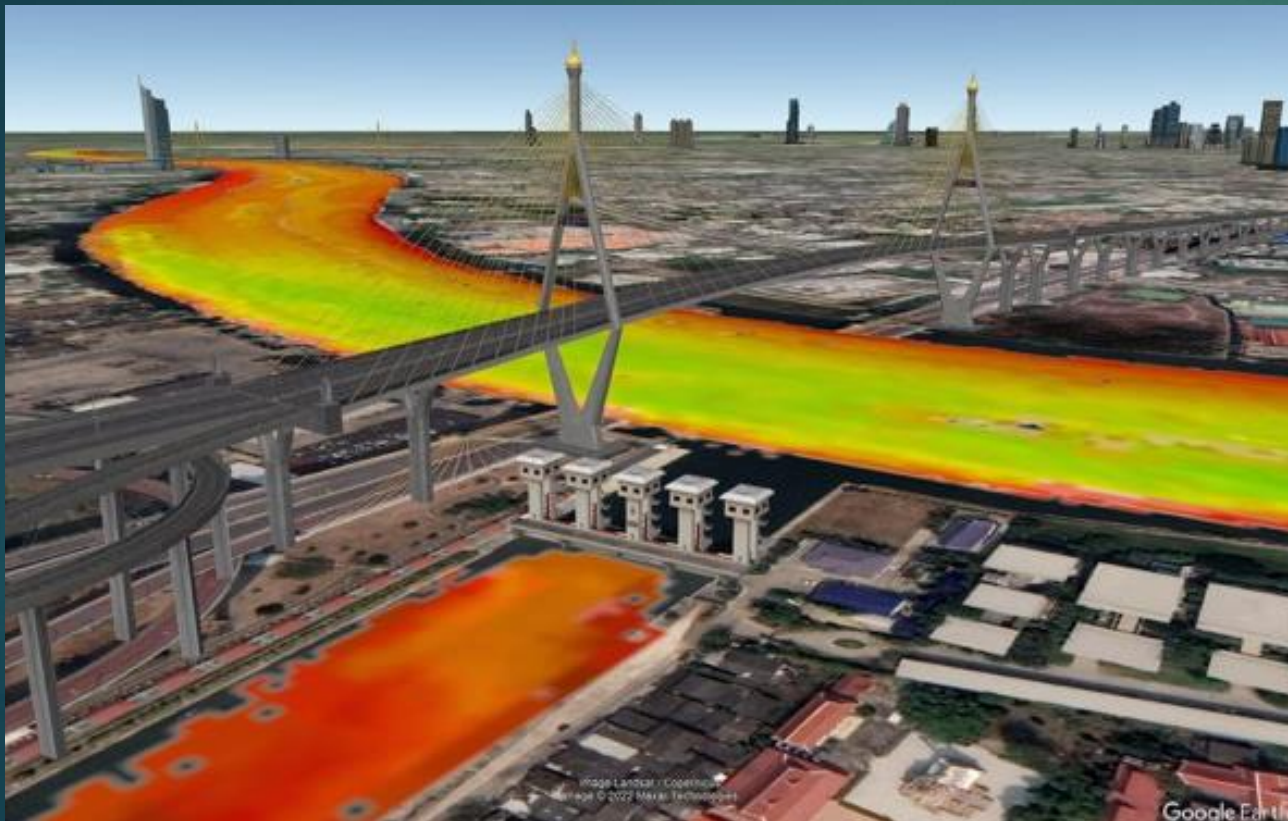
==== Validation Tests on Layer: 02USM22 - end: Jul 21, 2022 11:54:36 PM (Elapsed Time: 00:01:28) =====

Output Selection Validation

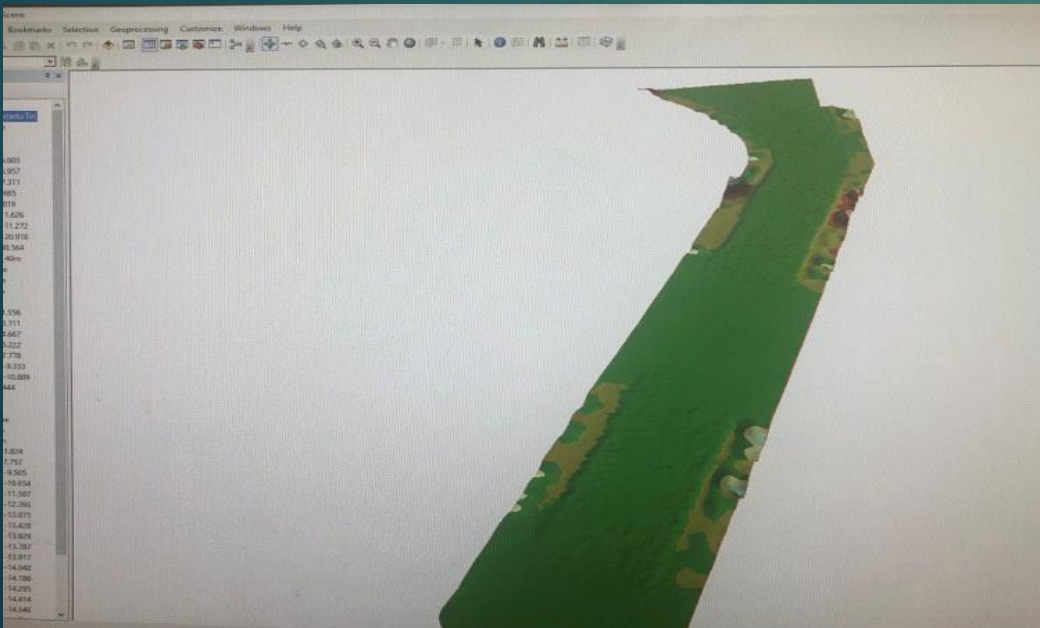
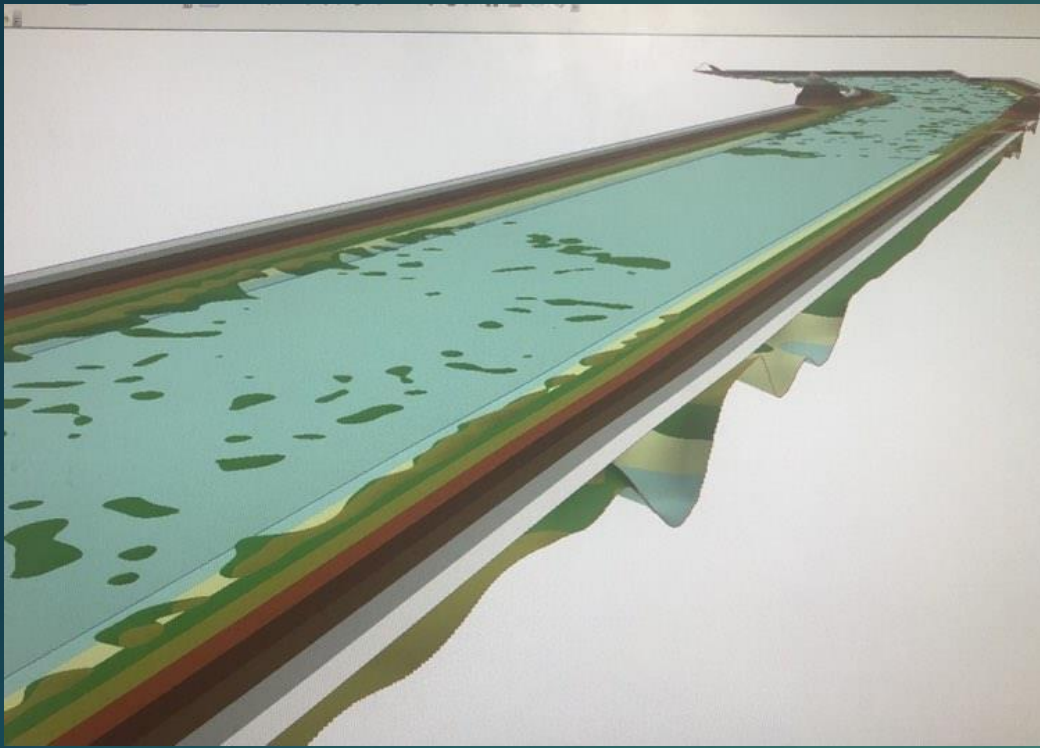


Application to current work field

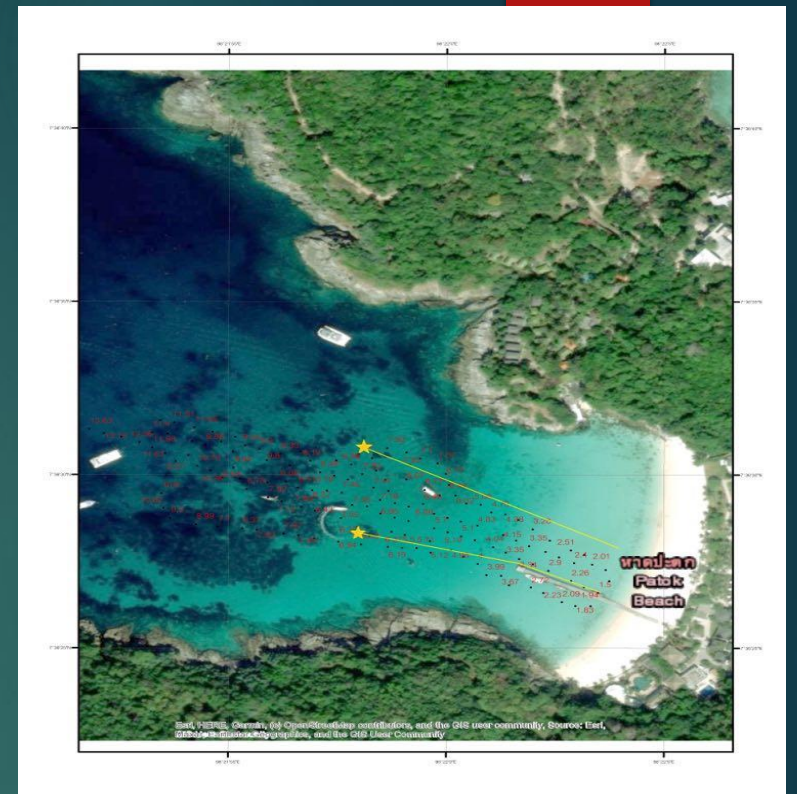
Chaophraya river survey

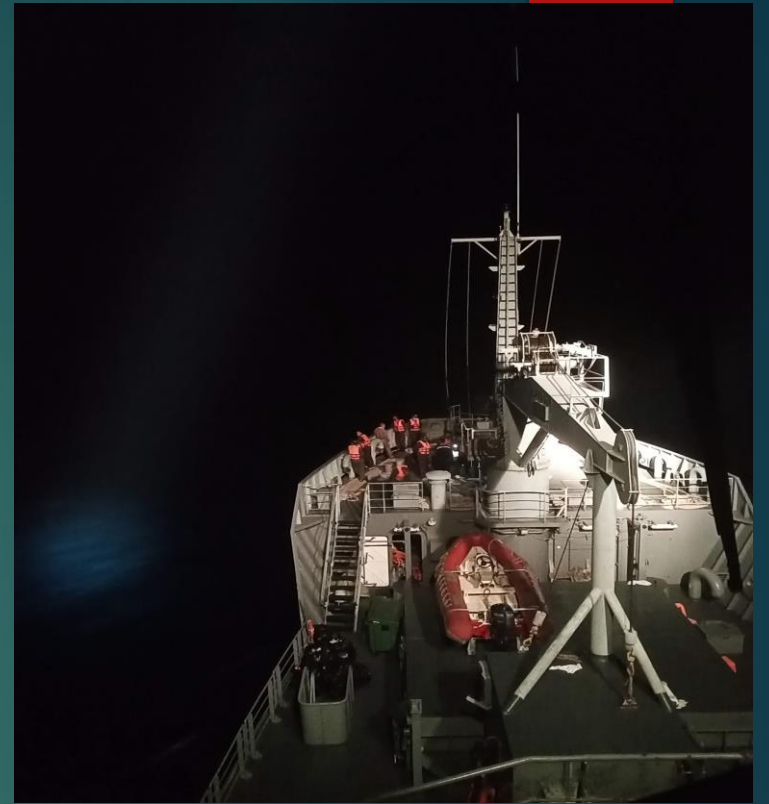
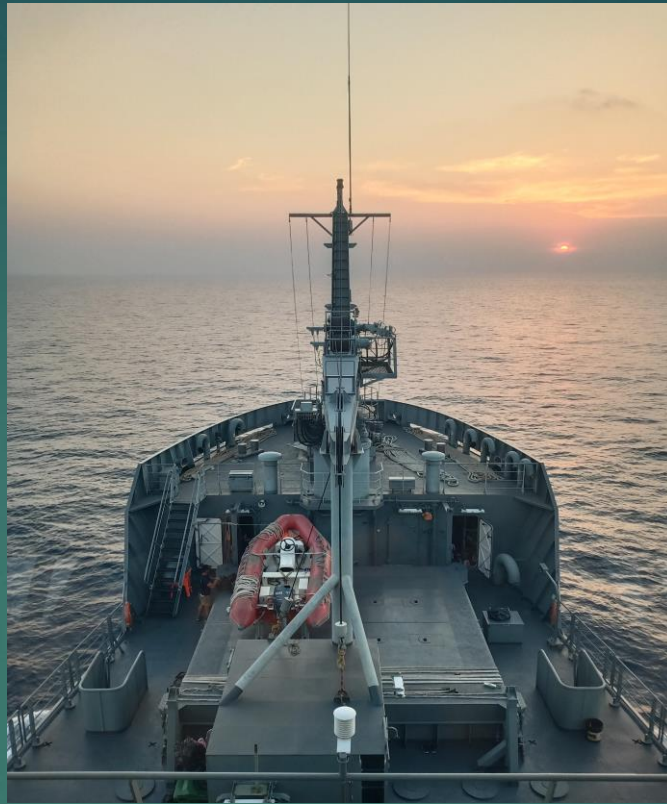


Dredging survey



Military operation





Unmanned Surface Vehicle (USV)

