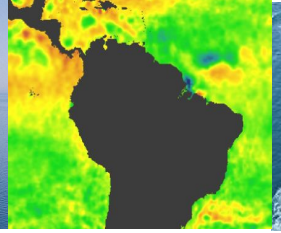
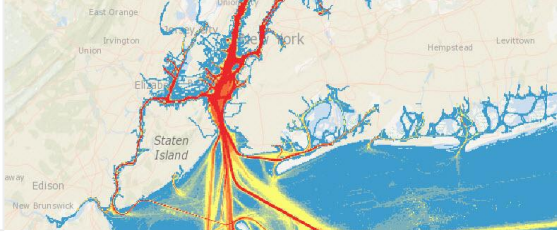







Gulf of Maine Cable Routing - Stellwagen Bank

NCCOS | NATIONAL CENTERS FOR COASTAL OCEAN SCIENCE

BOEM
Bureau of Ocean Energy Management

NOAA OSW Spatial Team
James.Morris@noaa.gov

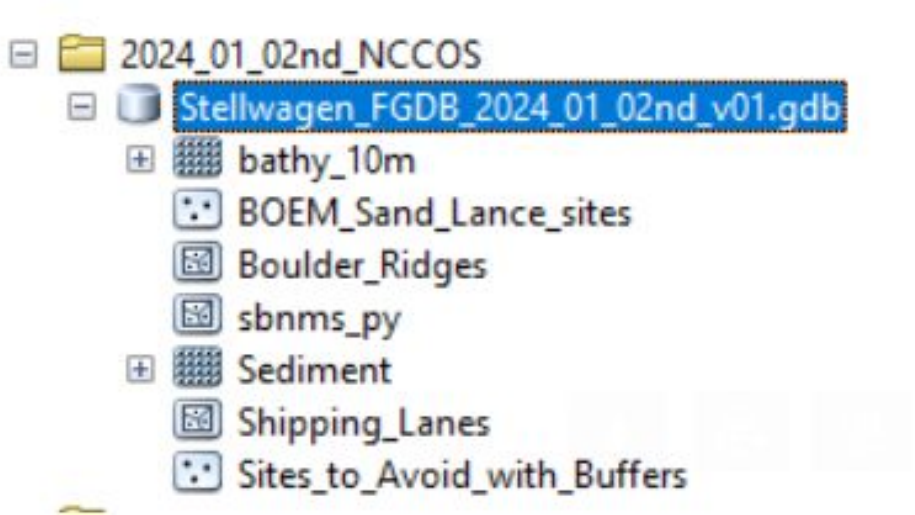
Agenda

- Introductions
- Recap Last Meeting
- NMS - Data Inventory
- Cable Routing Draft Run
- Discuss changes, data, scoring, other ideas, etc
- Next Steps

Previously on…

- NCCOS received the a well organized NMS geodatabase
- Any update on USCG about cable routing through TSS
- NCCOS will work on acquiring Updated VMS data (It turns out BOEM has 2014-2021 VMS data for the area, just need approval from OLE)
- At this time we decided to model cable routes through Stellwagen only, and not through State Waters / Federal Waters

NMS Geodatabase



Constraint Data sets

Constraint Data sets	Score
Sites to Avoid (1000-m setback)	0
Boulder Ridges (500-m setback)	0
Existing Submarine Cables (1000-m setback)	0
Sediment Classification (Boulder) 500-m setback	0

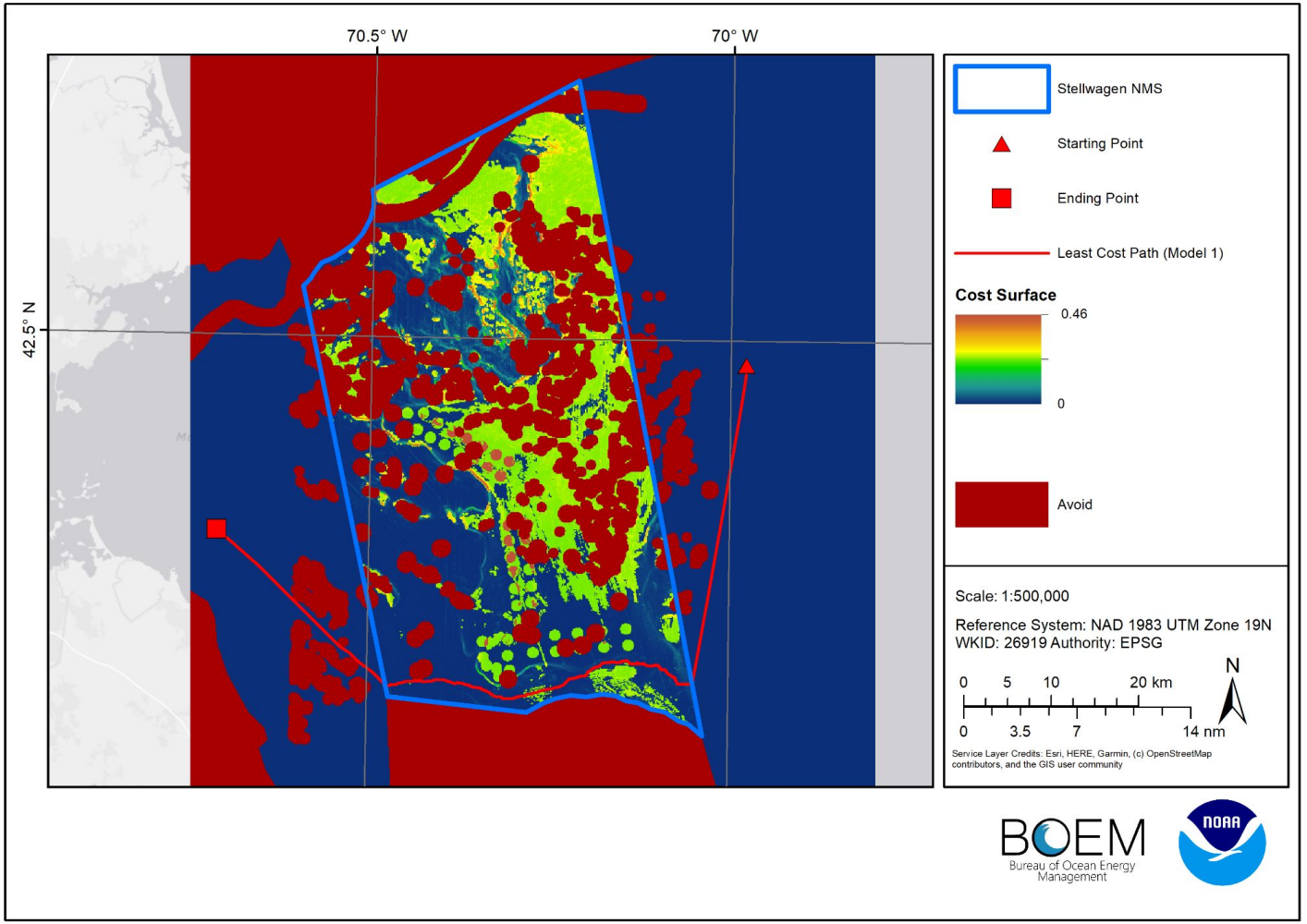
*Note recommended setback distances include an additional 500-m to account for a 1-km cable corridor, LCP analysis identities a line, which is then given a 500-m setback

Cost Data Sets

Cost Data sets	Score
Sand Lance Sites (600-m)	0.5
Slope (Flatter is better)	Linear Function
Sediment Classification (Gravel)*	0.5

*Assumes Mud/Sand is the preferred habitat for a cable, may not be true?

Model Results



Additional Data to Consider?

- Protected Species?
- Other Habitats? (Bank?)
- Sediment Grain Size?
- Slope Constraint? (Any area with a slope > 10°)
- Shipping Lanes?
- Fisheries data?
- Hardbottom constraint?

Next Steps:

- Continue to refine and search for data sets
- Work to develop additional modeling scenarios
- Continue literature review to inform model parameters
- Contact reach out to cable routing industry experts
- Follow up meeting?