

August 1, 2023 | STAC Subcommittee Kickoff

Attendees: Mark Nardi (Subcommittee Chair, STAC Member, USGS MD-DE-DC Water Science Center), David Krantz (Oceanographer and Coastal Geologist, University of Toledo), Meghan Noe Fellows (Director of Science and Restoration, CIB), Doug Janiec (STAC Vice Chair/Restoration Ecologist, Sovereign Consulting), Natalie Motley (EPA), Lesley Baggett (Environmental Consultant, AKRF)

Not in attendance: Kelly Somers (EPA Region 3), , Bart Wilson (Geomorphologist, FWS), Taylor Krolik (EPA R3 Standards and Coordination, Delaware State Representative)

A list questions and B list questions to ask US Wind as follow-up; and the discussion about how to make the best questions. . .

Next Step: Ask the experts - results and discussion?

Contacts:

Alison Rogerson

Volunteer:

Bart

Question:

Beneficial reuse/Cost of Mitigation
Marshes

"Very expensive"

Discussion -

Ches Bay working group is working on this - results in a year

Very complicated, large variation - might not get a straightforward answer

Might use "cost prohibitive"

Restorations would be Opportunistic, hard to predict

Committee decision - Not worth pursuing a fine-tuned estimate at this estimate

B Does dredging change the tidal prism?

For the temporary impact of jet dredge and fall back - not sure if there is a permanent change - so how could that affect tidal prism?

The amount of water coming through the inlet will not change as dredging is at Indian River

But . . . Specifically the dredging of Indian River to create room for the barge?

B Are there localized changes of Indian River?

Change in boat traffic

Recreational use

- But installation is during cold season, so likely not to have an immediate effect
- But if the channel remains open the following summer, they could get used to it

A Where is the dredged material going? What is total volume?

- Make sure not discharged in Waters of US

A Can dredged material be used for beneficial reuse? Have they looked at possible reuse locations.

Need expertise to help define if there is a question:

Dwayne Fox	Mark will reach out hear alternate answer to wind farm	EMF effects on sharks and rays
Tom McKenna	Mark will reach out	Temperature on Groundwater - cable heating groundwater
Bart (USFWS)/ David Bigger (BOEM)	Mark to ask Bart about USFWS needs	Overland Birds and Bats, RTE - on the island
be enforcement	Leslie reach out to David - is this within BOEM jurisdiction; USFWS would	
Bill McAvoy	Meghan to reach out	RTE plants; trees
Bart	Mark to ask: Overland other issues? (moderately mature hardwood forest mitigation needs	
de-prioritized		Sediment/traffic from overland route
Marjorie Freidrichs (VIMS)? Larry Sanford (UMCES)?		Sediment modeling
question	Mark to reach out to see if she could come talk - how do we refine the	

Thought sediment modeling presented at meeting was insufficient. Did not model floc layer - may not be fixable. Did not cover re-introduction of heavy metals.

Transport of contaminants? What is the risk?

Use Bart's short list of contaminants. Get Bart to develop.

David shared google earth map. Burton Island overland route may save -1.5 miles of Indian River route. Roadway on the island to minimize impact to existing forest.

Next Steps;

Mark Develop a package for SMEs - share with us

Mark Invite Dwayne and Majorie to come talk to us to clarify - August 15 - target.

Meghan ask US WIND for methodology of core sampling, and contaminant results

Meghan extend Orsted invite to come talk to subcommittee - Aug 29, 2023

Next Meeting Aug 15, 2023 2:00pm