



Dredging Inspection Field Report

Site Observations

Date: 2/23/2023
Weather Conditions: Sunny
Wood Project Number: 2402210005.01.01
Contractor: Branch Diversified (BDI)

Field Engineer: Mike Triano
Temperature: 70s and Increasing
Client: Isle of Palms
Foreman Onsite: Lance Young

Item	Observations:	Photo
Crew Size & Location	<p>MOBRO-908 100-foot barge, moored off in vicinity of the confluence of Baseline 5 and Baseline 1, used to unload smaller 20' wide push barges.</p> <p>Two 20' Wide push barges actively dredging high spots in Baseline 2 & 4 at the time of the inspection.</p> <p>Two Tugs pushing 20' Wide barges back and forth from MOBRO-908 barge.</p> <p>One large tug actively moving large Hopper barge to the DMMA at the time of the inspection.</p> <p>One full and one empty ~ 50' X 100'+ Hopper barge staged in intracoastal, east of entrance to Baseline 1, South IOP. Large Tug Ole Glory actively hooking up to full hopper to take to DMMA at the time of the inspection.</p> <p>20' aluminum boat used to travel to and from the site.</p> <p>Lance Young indicated that work has been concentrated in Baselines 1, 2 and 4 the past two weeks.</p>	<p>1 - 5</p> <p>See Map</p>
Equipment on Site	<p>Same as Crew size, 4 mechanical dredges (excavators)</p>	<p>1 - 5</p>
Work Completed	<p>Portions of all Baselines in southern IOP Canals.</p>	
Work Underway	<p>Actively Dredging Baseline 2 & 4 at the time of the inspection, Southern IOP Canals. Lance Young indicated they were down an operator, indicated Baselines 1, 2 and 4 were actively being dredged the past two weeks.</p>	<p>See Map</p>
Materials on Site	<p>Stored in ~100'+ X 50' Hopper barge and MOBRO-908 barge.</p> <p>Lance indicated the MOBRO-908 barge was utilized during the day to keep smaller barges in the canals and cut downtime, increase safety with boat traffic.</p>	<p>1 - 5</p>
Manatee Observer	<p>All crew on barges were advised to keep eye out for Manatees - sign posted on northern and southern canals.</p>	<p>Photo: 6</p>
Turbidity Monitoring	<p>BDI indicated turbidity numbers for the day of the inspection (2/23) to be 17.6 NTU interior portions of work area and 16.8 NTU at the confluence of Intracoastal and work area. BDI working to provide</p>	<p>Photo: 5</p>

	updated turbidity forms. WSP has received forms through January 31.	
Dewatering	Lance advised dewatering does not occur - drain holes are located in bottom of containers. Lance advised inner canals are mixing zones and therefore sediment/water returning to canals are not of concern.	N/A
Dredging	Mechanical	N/A
Offloading Location	Large ~50' -100'+ Hopper barge – East of Baseline 1, southern IOP Canals. MOBRO-908 barge was utilized during the day to keep smaller barges in the canals and cut downtime, increase safety with boat traffic. Used as an off-load point during daily activities.	1 & 5
Posted Permit	Permits are not posted, Anthony advised keeps copies of the permits with him on the jobsite.	N/A
Other...	See Additional Comments Below	N/A

Projected Schedule:

- BDI continues to dredge Baselines 1, 2 & 4 in the southern IOP canals.
- Lance provided WSP a copy of the most recent schedule, which runs through March 6. The schedule provided lists dredging activities in the Southern IOP Canals as follows:
 - Baseline 1 (STA: 54+00 – 57+30): Actively Dredging February 22 through 28.
 - Baseline 2 (STA: 8+00 – 13+50): February 22 – 24
 - Baseline 4 (STA: 1+00 – 5+00): February 22 – 24
 - Baseline 4 (STA: 11+00 – 30+60): February 25 – March 3. *
 - Baseline 3 (STA: 9+00 – 27+15): February 25 – March 6. **
- Lance indicated that it is BDI's intentions to follow the posted schedule, he stated that they would be ready for an Arc Post Dredge Survey after March 8th, barring any significant delays.

Anticipated Obstacles to Meeting Schedule:

- Equipment malfunctioning – Anaconda Tug back in operation after being down for maintenance.
- Crew Staffing – one of the three barges scheduled to dredge was not in operation due to an operator being out of work.

- Issues arising as a result of getting vessels moved in Baselines 3 and 4.
 - *Vessel at 4356 Coquina Drive needs to be moved for dates February 25 – March 3)
 - **Vessel at 4353 Tideview needs to be moved for dates February 25 – March 6.

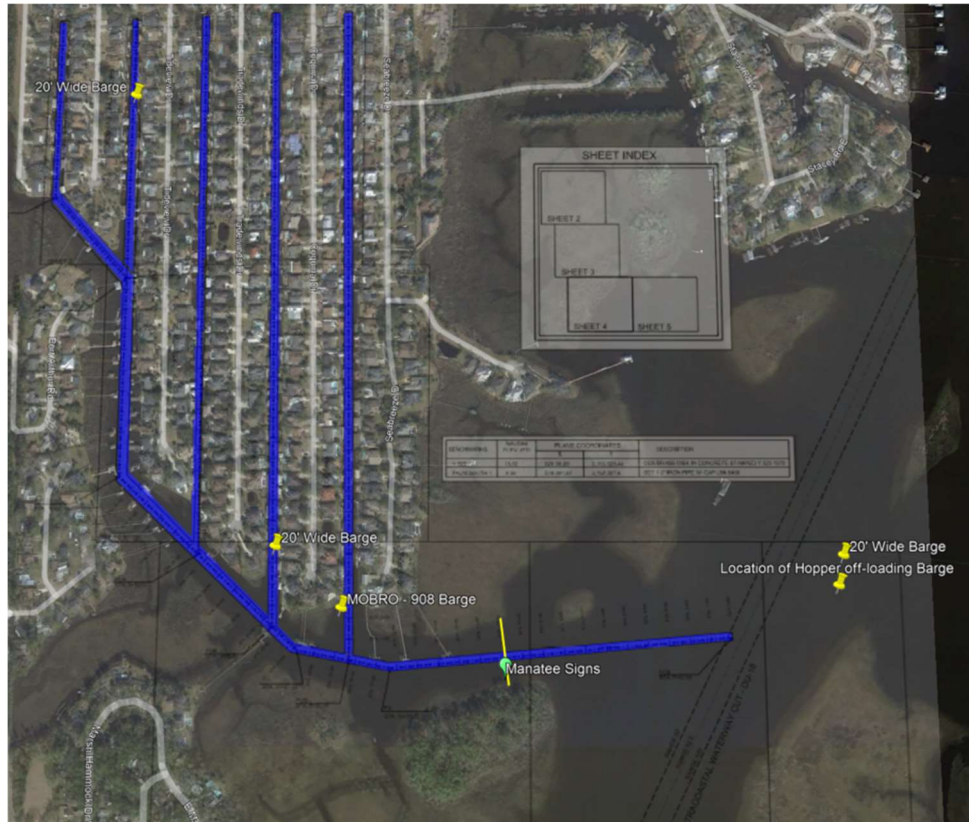
Engineer's Notes:

- An inspection was not held week ending 2/17. Information regarding last weeks activities were provided by Lance during this inspection.
- Turbidity curtain present, however, not deployed due to numerous occasions of curtain coming loose and drifting towards intracoastal. Curtain is currently stored on the deck of the MOBRO-908 barge.
- BDI intends to transition to the northern IOP canals once Arc Surveying completes the post dredge survey, after March 8th. Lance has a detailed map depicting the remaining high spots in all southern Baselines, after the most recent survey was conducted. This map was used to create the most recent schedule.

Field Engineer Signature: _____

Date: 2/24/2023

Map:



Photograph Log:



Photo 1:

Large Hopper Barge Moored in Intracoastal being fastened to large tug for transport to DMMA. Replacement Hopper and third, inactive, 20' push barge visible.



Photo 2:

MOBRO-908 staging barge Moored in Baseline 1, in front of Baseline 5.



Photo 3:

View of tug and 20' barge within Baseline 4 – headed to offload.



Photo 4:

View of second 20' barge headed to off-load. Barge was dredging Baseline 2.



Photo 5:

Both 20' barges off-loading into the MOBRO-908 barge. Stored turbidity curtain visible.



Photo 6:

Manatee Signs in place at entrance to Southern IOP canals.