



Dredging Inspection Field Report

Site Observations

Date: 3/6/2023
 Weather Conditions: Mostly 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>Three 20' Wide push barges actively dredging high spots in Baseline 4 at the time of the inspection.</p> <p>Two Tugs pushing 20' Wide barges back and forth from MOBRO-908 barge.</p> <p>~ 50' X 100'+ Hopper barge staged in intracoastal, east of entrance to Baseline 1, South IOP.</p>	<p>1 - 4</p> <p>See Map</p>
Equipment on Site	Same as Crew size, 4 mechanical dredges (excavators)	1 - 4
Work Completed	Portions of all Baselines in southern IOP Canals.	
Work Underway	Actively Dredging Baseline 4 at the time of the inspection, Southern IOP Canals. Lance.	See Map
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>	1 - 4
Manatee Observer	All crew on barges were advised to keep eye out for Manatees - sign posted on northern and southern canals.	Photo: 5
Turbidity Monitoring	BDI indicated turbidity numbers for the day of the inspection (3/3) to be 19.2 NTU interior portions of work area and 15.7 NTU at the confluence of Intracoastal and work area.	Photo: N/A
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	<p>Large ~50' -100'+ Hopper barge – East of Baseline 1, southern IOP Canals.</p> <p>MOBRO-908 barge was utilized during the day to keep smaller barges in the canals and cut downtime, increase safety with boat</p>	1 & 2



	traffic. Used as an off-load point during daily activities.	
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 was actively dredging Baselines 4 in the southern IOP canals.
- Lance indicated that due to the vessel being present in Baseline 3 still, BDI is working to correct the high spots in the other canals as the board works to get it moved.

Anticipated Obstacles to Meeting Schedule:

- Equipment malfunctioning
- Crew Staffing
- Issues arising as a result of getting vessels moved in Baselines 3.
 - Lance indicated that the board is going to vote on a movement to have the vessel removed. In the meantime, Lance indicated they are going to continue cleaning up the identified high spots in the Southern Canals. Mr. Young stated that a time extension as a result of the vessel barring passage has already been worked out with the Board.

Engineer's Notes:

- An inspection was not held week ending 3/3 and this inspection was conducted by land with Lance – The crew boat used for on the water inspections is assisting another project and was unavailable.
- 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 working to provide updated turbidity forms. WSP has received forms through January 31.

Field Engineer Signature: 

Date: 3/6/2023

Map:



Photograph Log:



Photo 1:

Large Hopper Barge Moored in Intracoastal.

*Photo taken from previous on the water inspection.



Photo 2:

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

*Photo taken from previous on the water inspection.



Photo 3:

View of 20' barge within Baseline 4.



Photo 4:

View towards second 20' barge headed within Baseline 4. A third barge was actively being transported to this canal to continue dredging.



Photo 6:

Manatee Signs in place at entrance to Southern IOP canals.

*Photo taken from previous on the water inspection.