



Dredging Inspection Field Report

Site Observations

Date: 5/4/2023
 Weather Conditions: Mostly sunny
 Wood Project Number: 2402210005.01.01
 Contractor: Branch Diversified (BDI)

Field Engineer: Mike Triano
 Temperature: 80s
 Client: Isle of Palms
 Foreman Onsite: N/a

Item	Observations:	Photo
Crew Size & Location	<p>One 20' Wide push barges present – moored in vicinity of STA-19+00 in Baseline 1 Northern IOP. One barge observed to be actively dredging Baselines 7 – Northern IOP.</p> <p>~ 50' X 100'+ Hopper barge staged in intracoastal, Moored to Cinnabogin barge, north of entrance to Baseline 1, North IOP.</p> <p>Barges were inactive at the time of the inspection.</p>	<p>1 - 2</p> <p>See Map</p>
Equipment on Site	Same as Crew size, 2 mechanical dredges (excavators)	1 - 2
Work Completed	Lance Young indicated that a post dredge survey of the southern IOP canals has been completed and BDI is awaiting a post dredge from the northern IOP canals. He stated that BDI will transition to dredging residential properties.	N/A
Work Underway	BDI will transition to dredging residential properties going forward.	See Map
Materials on Site	Stored in ~100'+ X 50' Hopper barge.	2
Manatee Observer	All crew on barges were advised to keep eye out for Manatees.	Photo: N/A
Turbidity Monitoring	BDI working provide up to date turbidity forms – indicated forms up to completion will be provided Monday, May 8. WSP has received forms up to April 3.	Photo: 3
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 – North of Baseline 1, Northern IOP Canals.	4
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 has completed Northern IOP canals and is awaiting post dredge survey from Arc.
- Lance indicated the post dredge survey has been conducted in the Southern IOP canals.
- BDI will transition to dredging residential properties with one 20' push barge and one crew.

Anticipated Obstacles to Meeting Schedule:

- Arc surveying completing post dredge survey in Northern IOP canals.
- Scheduling with residents to complete specific properties.

Engineer's Notes:

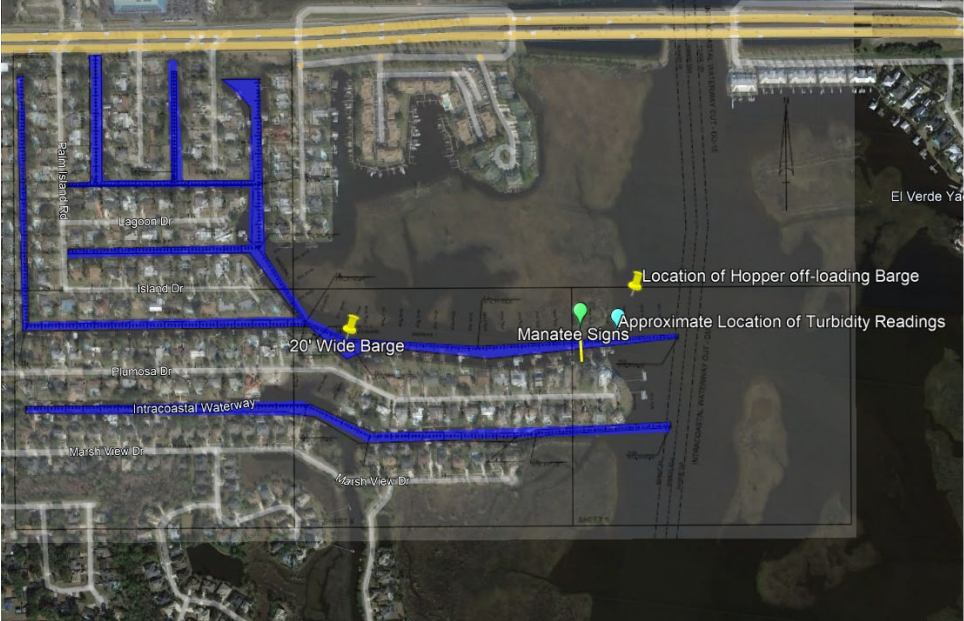
- BDI is working to provide up to date turbidity data. WSP has received updated turbidity through 4/3/2023.
- This inspection was performed by land.

Field Engineer Signature: _____

Date: 5/5/2023

Map:

Northern Canals



Southern Canals



Photograph Log:



Photo 1:

20' push barge moored in Baseline 1 Northern IOP in vicinity of STA-19+00.



Photo 2:

Photo towards large Hopper Barge moored in intracoastal.

Isle of Palms
TURBIDITY MONITORING REPORT

DATE: 4-5-23 TIME: 10:30 MACHINE: 2100Q HACH TURBIDITY METER
COLLECTOR: [Signature]

1. WEATHER AND WATER OBSERVATIONS:

Atmospheric Conditions: Wind Speed: 5-10 mph
Wind Direction: W , E , N , S
NW , NE , SW , SE
Weather Condition: Rain , Clear , Cloudy

Water Conditions: Tide Stage: Low , Medium , High
Water Current: 3 mph
Water Direction to: W , E , N , S
NW , NE , SW , SE
Harbor seas: Calm (little or no waves)
Moderate (waves 1' to 2' high)
Rough (waves > 2' high)

2. BACKGROUND SAMPLES:
Location Taken: 300 FT UP Stream Time of Sample: 10:55 Date: 4-5-23

	Surface Sample	Mid-Depth Sample	Bottom Sample
Sample No.:	<u>#1</u>	<u>#2</u>	
Analysis Date:	<u>4-5-23</u>	<u>4-5-23</u>	
Analysis Time:	<u>10:30</u>	<u>10:35</u>	
Turbidity (NTU)	<u>19.6</u>	<u>18.8</u>	

Comments (if any): [Signature]

3. MONITORING SAMPLES (taken every 4 hours):
Location Taken: 300 FT DOWN Stream Time of Sample: 10:50 Date: 4-5-23

	Surface Sample	Mid-Depth Sample	Bottom Sample
Sample No.:	<u>#1</u>	<u>#2</u>	
Analysis Date:	<u>4-5-23</u>	<u>4-5-23</u>	
Analysis Time:	<u>10:50 AM</u>	<u>11:00 AM</u>	
Turbidity (NTU)	<u>16.3</u>	<u>15.8</u>	

Comments (if any): [Signature]

Photo 3:

Most recent turbidity form received by WSP – April 3.