

Dredging Inspection Field Report

Site Observations

Date: 10/26,	/2021 Field Engineer: Mike Triano						
Weather Conditions:	Breezy, Overcast Temperature:	80s					
Wood Project Number:	2402210005.01.01 Client: Isle of Palms						
Contractor: <u>Branch</u>	Diversified (BDI) Foreman Onsite:N/A						
Item	Observations	Photo					
Crew Size & Location	 **All Barges are located in the Southern Canals** 30' x 80' barge, moored off to the large ~ 50' X 100'+ Hopper barge in the intracoastal. The 30' X 80' Barge is used to unload the smaller barges. The ~ 50' X 100'+ Hopper barge is used to transport material to DMMA. Both Barges are located east of Baseline 1 in the Intracoastal: Southern IOP. One 20' Wide push barge actively dredging Baseline 3 – South IOP One 20' Wide push barge actively dredging Baseline 5 – South IOP 26' Thruster Barge actively dredging baseline 7 – North IOP Two Tugs pushing 20' Wide barges back and forth from Baseline 3 and 5 – South IOP. One large tug moving large Hopper barges to the DMMA One additional 30' X 80' "MD-80" Barge utilized to off-load smaller barges staged near the mouth of Baseline 1 in the intracoastal. 20' aluminum boat used to travel to and from the site – out of service as of 10/26/2021 	Photo: N/A See Map					
Equipment on Site	Same as Crew size, 3 mechanical dredges (excavators)	Photos: N/A					
Work Completed	Majority of Northern IOP Canals. * Portions of Baseline 1, 2, 3, 4 and 5 Southern IOP Canals <u>BDI advised dredging occurs in two phases: on the way in for access &</u> <u>removal of top layer of sediment and on the way out for getting canal to</u> <u>specified grade. This is true for all canals that barges cannot initially access.</u>	See Map					
Work Underway	Actively Dredging Baseline 3 & 5 South IOP. Actively Dredging Baseline 7 North IOP	See Map					
Materials on Site	Stored in ~100' + X 50' Hopper barge and One 30' x 80' barge "MD-80". Both barges are moored in the intracoastal. East of Baseline 1: South IOP.	Photo: N/A					
Manatee Observer	anatee ObserverAll crew on barges were advised to keep eye out for Manatees - signs posted on northern and southern canals.						
Turbidity Monitoring	Photos: 1						





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.			
Dredging	Mechanical			
Offloading Location	Large ~50' -100' + Hopper barge and 30' X 80' "MD-80" Barge – east of Baseline 1: Southern IOP. Advised that trips to Reed Island DMMA are taken once these large barge sare full, that usually occurs once a day.	Photo: N/A		
Posted Permit	Permits are not posted. BDI was provided with additional copies.			
Other	See Additional Comments Below			

BDI will return to Canals to clean up survey identified high spots - Information gathered via Email & Telephone

Additional Notes

Projected Schedule:

- BDI indicated that Baselines 1, 2, 3, 4, and 5 in the southern IOP canals will be focus while touching up high spots in • northern canals. Baseline 7 currently being re-visited.
- ٠ Lance mentioned BDI will be tentatively completed with the project mid-November.

Anticipated Obstacles to Meeting Schedule:

- Equipment malfunctioning / no operator to dig / Barges at Idle. •
- Narrow spots in the canals between boat docks. •
- Displaced material causing contractor to re-work areas to correct high spots.

Engineer's Notes:

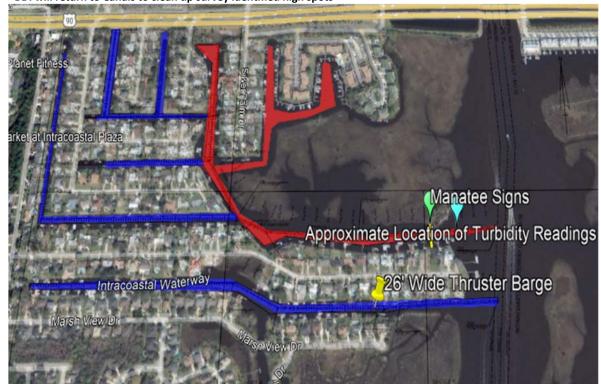
- Lance Young indicated that the skiff should be repaired by the end of next week and would be back in operation the • following for in person inspections.
- Wood is looking into other options including riding with Arc Survey / land based to conduct in person inspections -• awaiting approval.
- Information regarding barge locations and turbidity are shared via telephone and email. ٠

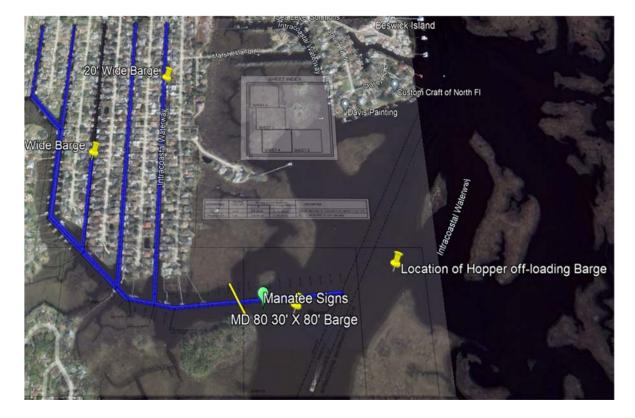
Field Engineer Signature:

Date: 10/28/2021



Maps: Red is completed Work Blue is Work to be completed *BDI will return to Canals to clean up survey identified high spots







Photograph Log:

1. W	1. WEATHER AND WATER OBSERVATIONS:								
Atmo	ospheric Conditions:	Wind Speed:	mph						
		Wind Direction:		, S					
			NW, NE, SI	V, SE					
	We	eather Condition	Rain, Clear_	, Cloudy					
Wate	er Conditions:	-				Photo	1:	10/26/2021	Turbidity
		Tide Stage:	LowMedium	_, High					,
			mph			Manitar			
	vva	ater Direction to:		, S		Monitor	ing i	orm.	
		Harbor seas:	NW NE SI	v, se no waves)			5		
				no waves) s 1' to 2' high)					
				> 2' high)					
			Kougn(waves	> 2 ngn)					
2. BA	ACKGROUND SAMPLES:								
Locat	tion Taken;		Time of Sample:	Date:					
		6 . f	and a set						
		Surface Sample	Mid-Depth Sample	Bottom					
	Sample No:	Sample	Sample	Sample					
	Analysis Date:								
	Analysis Date:								
	Turbidity (NTU)								
Comr	ments (if any):								
3. M	ONITORING SAMPLES (t	taken every 4 ho	urs):						
	tion Taken:		Time of Sample:	Date:					
		Surface	Mid-Depth	Bottom					
		Sample	Sample	Sample					
		mid	High	కుప					
		126121	10/26/21	10/26/2/					
		P00'5	12:000	4:450					
	Turbidity (NTU)	0.4	13.7	12, 8					
Comm	ments (if any):								
L									