

Barnstable County Coastal Resources Subcommittee

April 21, 2021 | 9:00 A.M.

THANK YOU FOR JOINING THIS VIRTUAL MEETING
Please review the notes below while you wait for the meeting to begin

This meeting is being held virtually as allowed by Governor Baker's Executive Order Suspending certain provisions of the Open Meeting Law dated March 12, 2020. If anyone is having a technical issue, use either the chat box on your screen or call (508) 362-3828 and staff will assist you.

Participants wishing to speak should click "Participants" icon on the lower toolbar and then click "Raise Hand" in the dialog box to notify the chair. Telephone participants should **press *9** to indicate that they wish to speak. **Press *6** to mute/unmute. All participants will be muted until they are recognized by the chair.

This meeting is being recorded for purpose of creating minutes. Meeting materials may be accessed at: www.capecodcommission.org/bccrs



AGENDA

1. **Call to Order** (Roll Call Vote)
2. **Public Comment**
3. **Review and Approval of prior meeting minutes: 10/21/20** (Roll Call Vote)
4. **Presentation:** How the COVID-19 pandemic affected recreational use of shellfish areas
5. **Discussion:** How the COVID-19 pandemic affected recreational use of fresh water ponds, beaches, coastal conservation areas, etc.
6. **Updates from coastal and marine County programs**
7. **Update on activities of the Barnstable County Coastal Management Committee**
8. **Update on Cape Cod Water Resources Restoration Project**
9. **Report from committee members, followed by discussion**
10. **New Business**
11. **Next Meeting**
12. **Adjourn**



1. Call to Order

ROLL CALL VOTE



2. Public Comment

For those online:

- Click the “Participants” box on bottom of screen
- Click “Raise Hand” in text box.

For those on the phone:

- Press *9
- The chair will recognize you by name/number
- Press *6 to unmute/re-mute

If anyone is having a technical issue, use either the chat box on your screen or call (508) 362-3828 and staff will assist you.



3. Review/Approval of Minutes

- October 21, 2020

ROLL CALL VOTE



4. The pandemic's effect on recreational use of shellfish areas

Presentation from Cape Cod Cooperative Extension's Marine Program on how the COVID-19 pandemic has affected recreational use of shellfish areas



5. The pandemic's effect on recreational use of freshwater ponds, beaches, coastal conservation areas

Discussion of how the COVID-19 pandemic has affected recreational use of freshwater ponds, beaches, coastal conservation areas, etc.

- What is your biggest management challenge?
- How have management procedures changed?
- Is there a way to quantify this information?



6. Updates from Coastal and Marine County Programs

- County Dredge Program
- Cape Cod Commission
- Cape Cod Cooperative Extension Marine Program
- Cape Cod Cooperative Extension Coastal Processes Program



6. Updates from Coastal and Marine County Programs

Barnstable County Dredge Program

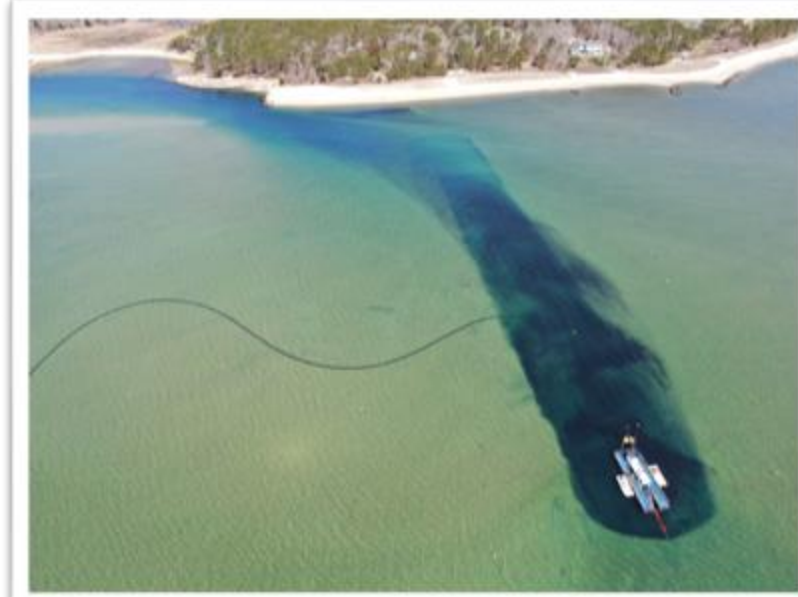




Activities Update for the Barnstable County Coastal Resources Subcommittee

**Ken Cirillo, Director, County Dredge Program
April 15, 2021**

January – April 2021



Barnstable County Dredge – Project Statistics

- **102,187 CY**

Cubic Yards dredged to date

- **9**

- Number of towns with dredge projects completed this season

- **203 CY**

- Smallest project this year, Mill Creek, Yarmouth. But necessary to remove a hazardous shoal mid-channel

- **43,955 CY**

- Phase 3 of a 3-year project completed at Dead Neck, Sampson Island, Barnstable. Largest project to date.

- **~11,500' or ~2.17 miles of pipe**

- Longest run of pipe this season, Stage Harbor to Cockle Cove, Chatham

CODFISH II

MD

Project is funded by MA Dredge






SAND SHIFTER





Dredge/Nourishment TOY OPENED

BOOSTER REQUIRED

Dredge/Nourishment TOY CLOSED

 = Project Completed

2020-2021 DREDGE SEASON PROJECT LIST								
TOWN	Dredge	Est. Vol.	Receiving	Pipeline	Booster	Pre-Dredge CY	Post-Survey CY	\$\$ Invoiced
	Site	(CY)	Site	(LF)	(Y/N)			
 Barnstable	Dead Neck/Sampson Is. (Cotuit Cut) PH3 ^{MD}	40,000	Dead Neck	9,000	Y	44015	43955	\$628,556.50
 Bourne	Little Bay	26,000	Monument Beach/Truck to Sandwich Town Beach	6,200	Y	18823	15127	\$216,316.10
 Chatham	Stage Harbor ^{MD}	30,000	Cockle Cove	11,500	Y	17539		
	Aunt Lydia's Cove ^{MD}	12,191	Linnell Lane (Area 1)	5,000	N	12545		
		In-Progress - Started 4/19						
 Dennis	Sesuit Harbor ^{MD}	15,000	Cold Storage Beach	1,600	N	9810	4624	\$45,777.60
 Falmouth	Falmouth Inner Harbor ^{MD}	2,000	Surf Beach	3,800	N	2491	1177	\$10,593.00
	Great Pond	Pre-Dredge Survey Completed						
	Green Pond	Pre-Dredge Survey Completed						
	Bourne's Pond	NEW - Pre-Dredge Survey Completed						

TOWN	Dredge	Est. Vol.	Receiving	Pipeline	Booster	Pre-Dredge CY	Post-Survey CY	\$\$ Invoiced
	Site	(CY)	Site	(LF)	(Y/N)			
Harwich	Allen Harbor	8,000	Grey Neck, Wah Wa Ave., Bluffs (private)	After ALC				
	Saquatucket Harbor	8,500	Sac Bluff Bank	After ALC				
Mashpee	Popponeset Approach Channel	9,900	Poppo	In Progress – Started 4/2				
 Provincetown	East of MacMillan Pier/Docks	818	Court St. Landing	2,500	N	652	967	\$13,573.00
 Truro	Pamet Harbor/Inlet & Approach Ch	7,000	Corn Hill Beach	1,700	N	3122	1572	\$15,562.80
  Yarmouth	Bass River ^{MD} Approach Ch	5,500	Bass River Beach		N			
	Bass River Entrance Ch (just south of Marsh Isl.)	3,000	Wes B					
	Bass River ^{MD} (RTE 28 S/N Bridge past Bass River Marina)	9,000	Wes B					
	Parker River Approach Ch	6,000	Seagull Beach	4,000	N	5211	4560	\$41,040.00
	Mill Creek Channel (Lewis Bay)	3,000	Colonial Acres Beach	900	N	233	205	\$1,845.00
		Est. Vol.	Volume to date	Volume from Schedule	Pre-Dredge CY	Post-Survey CY	\$\$ Invoiced	
		205,797	72,187	99,818	141,234	72,187	\$973,264.00	

Projects Remaining:

Town	Project	Cubic Yards		Rate	Estimated \$\$	
Chatham	Stage Harbor		30,000	\$13	\$390,000	
	ALC		17,000	\$9	\$153,000	
Falmouth	Green		1000	\$9	\$9,000	
	Great		200	\$9	\$1,800	
	Bourne's		3850	\$9	\$34,650	
Harwich	Allen		8,000	\$9	\$72,000	
	Saquatucket		8,500	\$9	\$76,500	
Mashpee	Popponesset Bay		9,900	\$13	\$128,700	
		Estimated Volumes	78,450	Revenue	\$865,650	
		Revenue Booked To Date			\$973,264	
		Estimated Year End Revenue			\$1,838,914	

Original Estimate \$1,800,000

The Many Pieces Of The Mobilization Puzzle That Needs To Be Completed Before Dredging Is Started

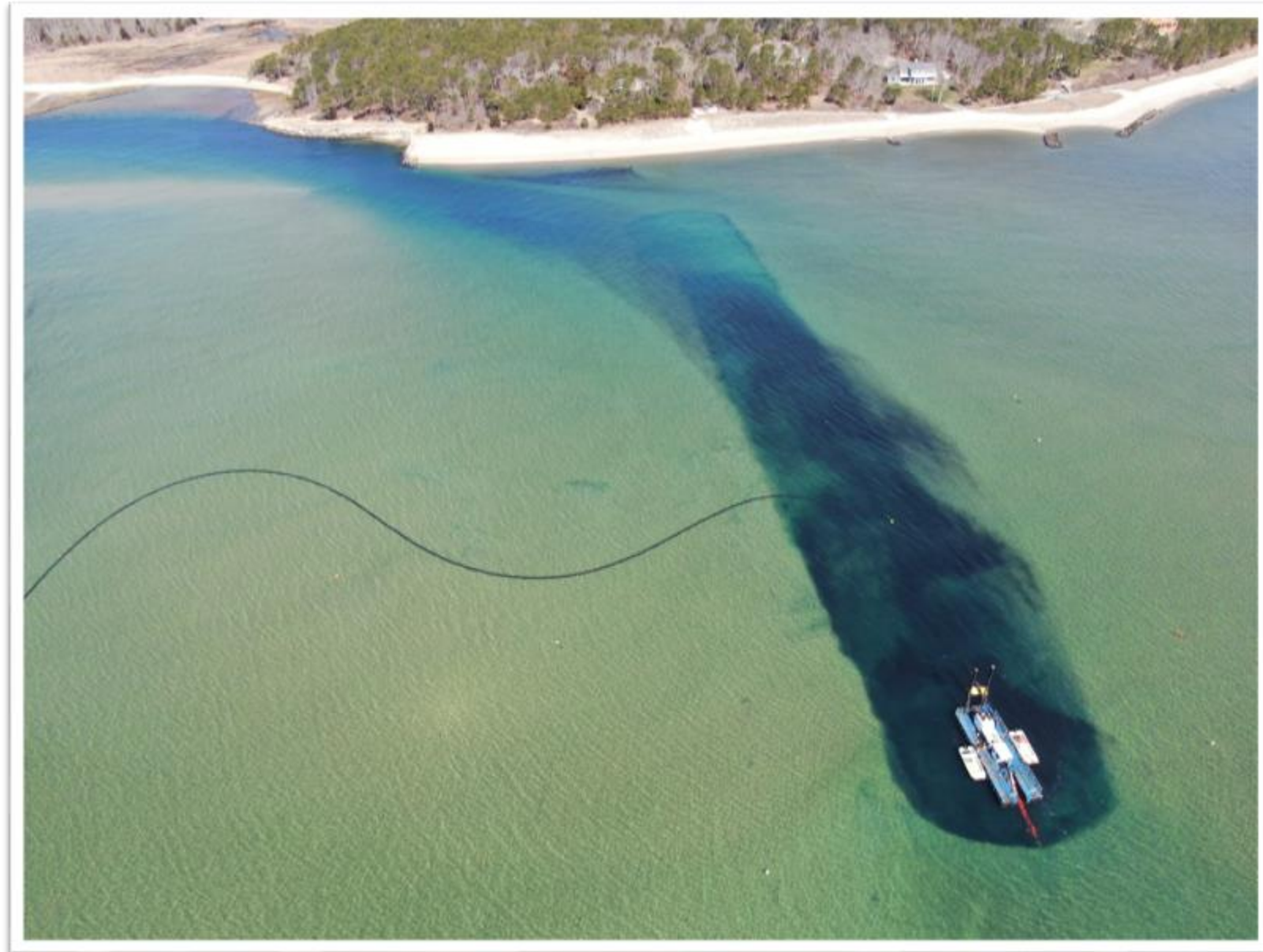
- Just a few of the pre-dredge tasks that take place prior to starting dredging:
- Towing the pipe
- Towing the dredge
- Booster Station brought on site by trailer
- Booster Station towed down the dune road
- Fuel tanks
- SW Cooling tank
- Skid Steer for discharge location
- Assembling the pipe
- Moving the pipe
- Moving the dredge on location
- Fueling the dredge



Stage Harbor, Chatham Approach Channel

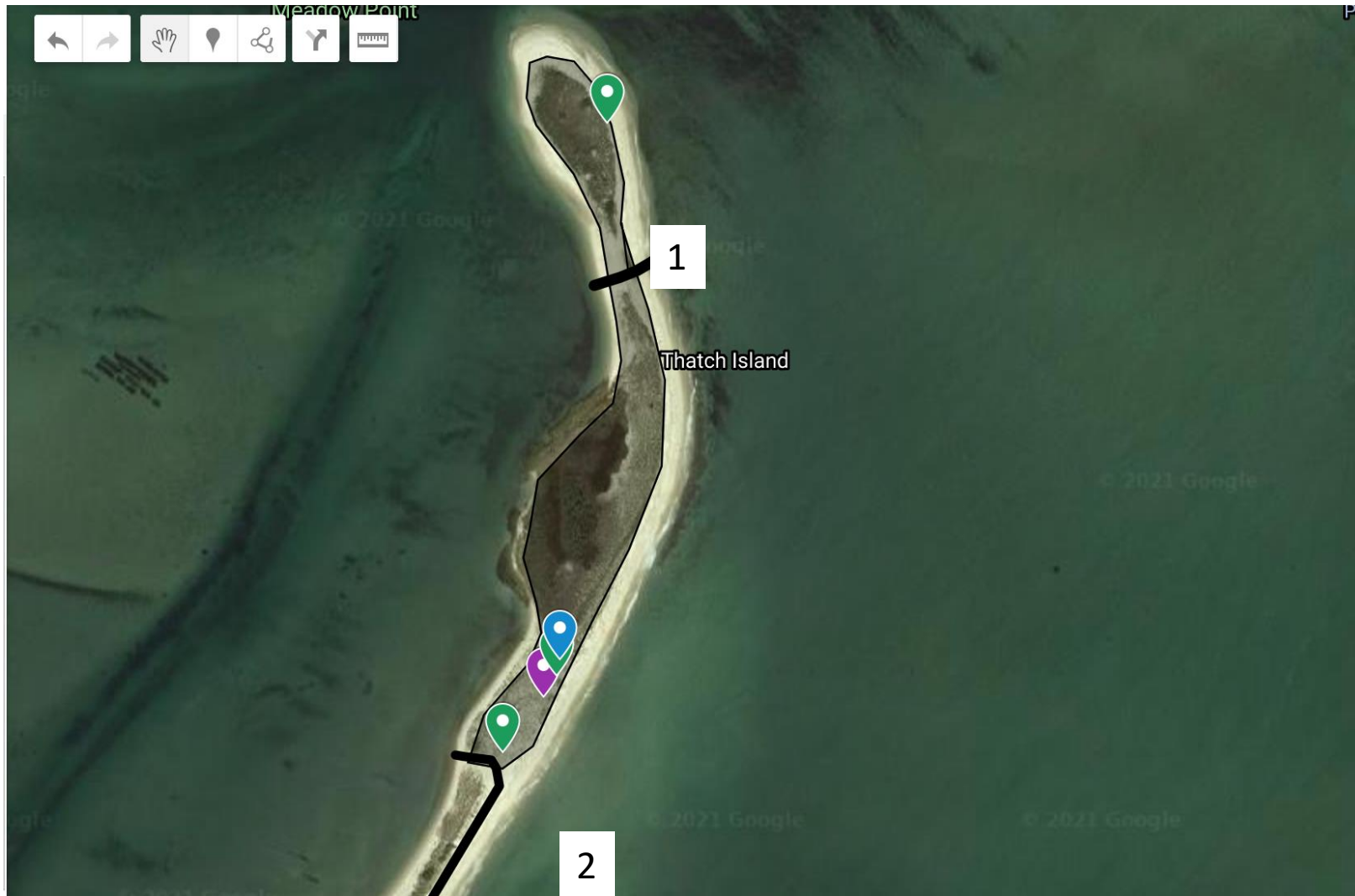


Popponesset Approach Channel Project
Started April 2nd, Hard Stop for Plovers on April 17th (crew had to remove 2 cross-sections of pipe on spit). Dredging extension granted to April 26th



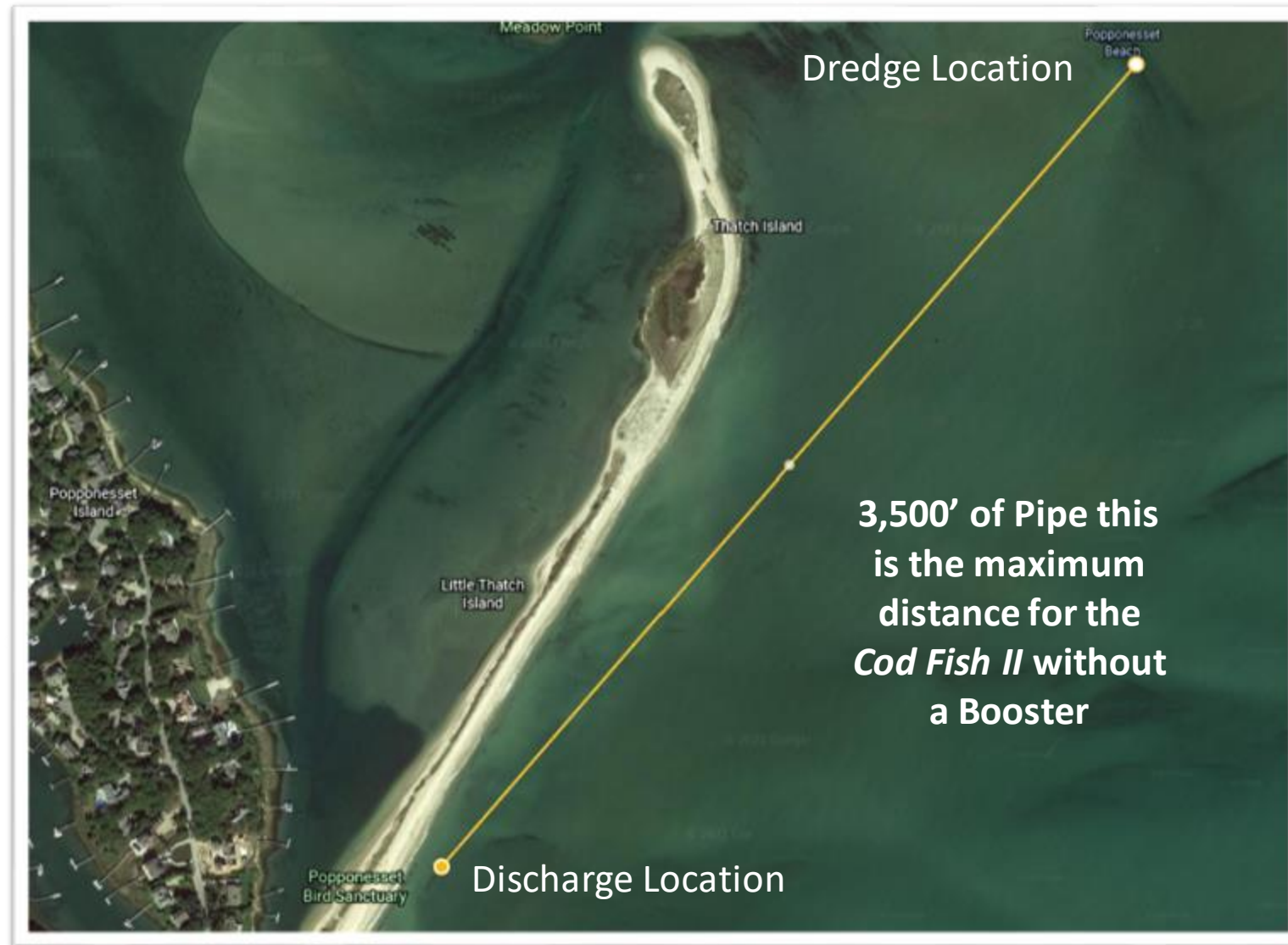
Pipe Cross-Over Removal – Completed on 4/17

Removing the 2 Cross-Over sections of pipe (1 & 2) is planned for Saturday, April 16th starting ~ 0800. Prior to this time, the dredge crew will bring the dredge back out to the channel, connect the pipe to the dredge, and begin blowing the material out of the pipe then breaking the pipe from the Booster and at various sections.



Both Cross-Over sections of pipe will be moved off-shore (to the Sound side). The use of a Skid Steer may be required for both sections.

New Pipe Run - from *Cod Fish II* to Discharge Location



Cod Fish II



A breakdown occurred on Tuesday April 6th on the Cod Fish II. The clutch/PTO seized while dredging in Poppy. The Sand Shifter was brought in from Chatham to continue dredging. The Sand Shifter was back up and dredging by Thursday April 8th.

The replacement part was ordered on Tuesday afternoon, repairs were started on Wednesday, the part arrived on Thursday at noon, clutch housings were offloaded/loaded onto dredge on Friday morning, and the Cod Fish II was operational late Saturday afternoon. The dredges were switched out on Monday morning and the Sand Shifter was brought back to ALC on Wednesday, April 14th.



➤ **Barnstable County Dredge Sub-Committee:**

The reconvened BC Dredge Sub-Committee met on February 18th whereby we reviewed the proposed rate changes and dredge activity. A follow-up meeting was planned for March 18th.

The meeting on March 18th focused on a review of Pro-Forma Financials for the next 4 years along with the estimated revenues for those projects planned, Capital Expenses and repairs/spare parts required. A new rate increase proposal was presented and there was a general consensus among the members that this was acceptable.

A third meeting was held on April 15th to review some open items and a vote was taken approving the rate increases as proposed (see next slide).

We are now awaiting a date to be set by the Assembly of Delegates to hold a meeting on the Rate Change Ordinance.

Rate Changes: Unanimously approved by the Dredge Sub-Committee at the April 15th, 2021 meeting

Agreement for two rate increases to be implemented over the next two years, awaiting a date to be set by the Assembly of Delegates to hold a meeting on the Rate Change Ordinance.

Effective July 1, 2021 - FY22

- For projects that do not require a Booster Station, the current rate of **\$9.00** will increase to **\$10.00**
- For projects that do require a Booster Station: the current rate of **\$13.00** will increase to **\$14.50**

Effective July 1, 2022 - FY23

- For projects that do not require a Booster Station, the FY22 rate of **\$10.00** will increase to **\$12.00**
- For projects that do require a Booster Station: the current rate of **\$14.50** will increase to **\$18.00**

At the January 13th, 2022 meeting of the BC Dredge Sub-Committee, an update on the financial status will be reviewed (the half-year mark of FY23) to determine if additional increases are needed and to discuss setting rates for FY24 and FY25 (all agree that at least three years of rates are needed by each town).

6. Updates from Coastal and Marine County Programs

Cape Cod Commission



6. Updates from Coastal and Marine County Programs

Cape Cod Cooperative
Extension Marine Program



6. Updates from Coastal and Marine County Programs

Cape Cod Cooperative
Extension Coastal Processes Program



7. Barnstable County Coastal Management Committee Update

Barnstable County staff will provide an update on activities of the Barnstable County Coastal Management Committee including an overview of its 01/27/21 meeting



8. Cape Cod Water Resources Restoration Project Update

Cape Cod Conservation District staff will provide an update on the status of projects funded by the Cape Cod Water Resources Restoration Project



9. Member Reports

Members will report on recent coastal resources issues impacting their towns.



10. New Business

Topics not reasonably anticipated by the Chair more than 48 hours before the meeting.



11. Next Meeting

July 21, 2021



12. Adjourn

ROLL CALL VOTE



Thank You for Attending

