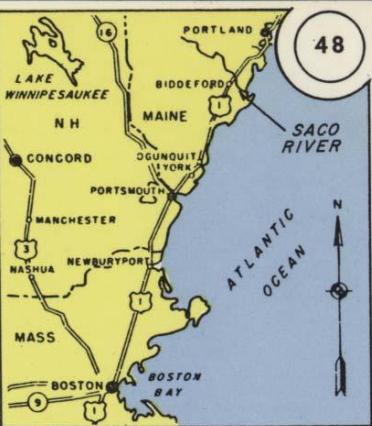
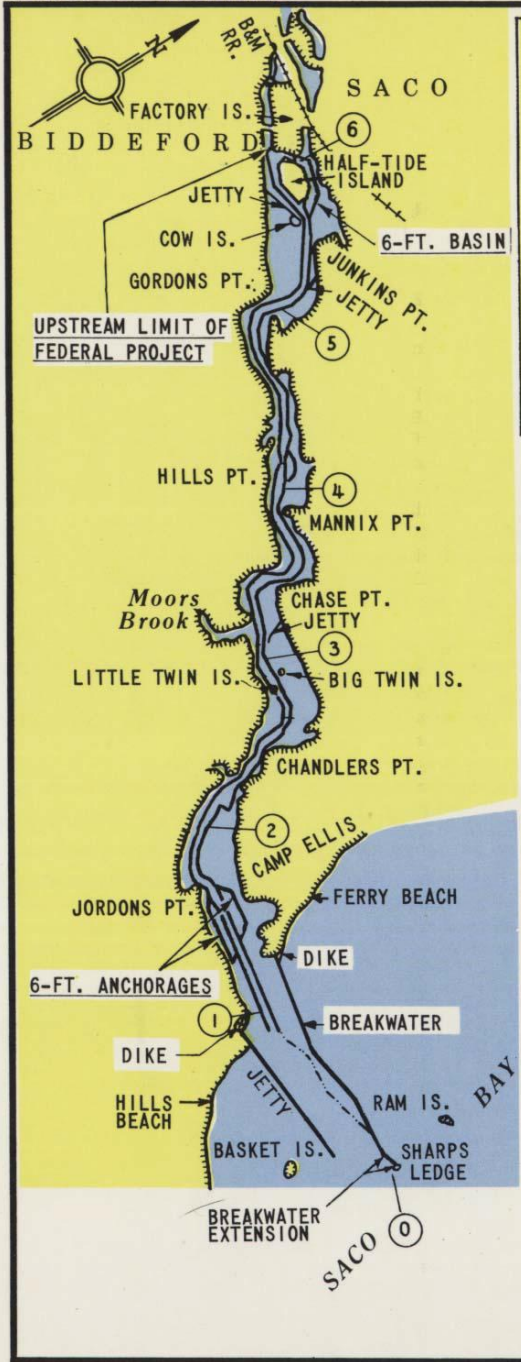




Saco River Maintenance Dredge 2017 - 2018

PROJECT PLAN AND TIMELINE

JUNE 15, 2017



LOCATION MAP

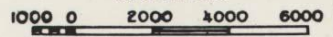
SCALE IN MILES
5 0 5 10 15 20 25

Miles from a point abreast of Sharps Ledge shown thus (2)

SACO RIVER, ME.

30 SEPTEMBER 1976

Scale in Feet



DEPARTMENT OF THE ARMY
NEW ENGLAND DIVISION, CORPS OF ENGINEERS
WALTHAM, MASS.

48

Overview

- ▶ Last dredged in 1994
- ▶ Removing ~150,000 cy of sand and silt from the upper and lower reaches
- ▶ Disposal sites: In-River for Upper Reach/Camp Ellis Beach for Lower
- ▶ Equipment: hopper dredge for Upper/Hydraulic dredge for Lower
- ▶ Cost Estimate: ~ \$3.8 - \$4.2 million

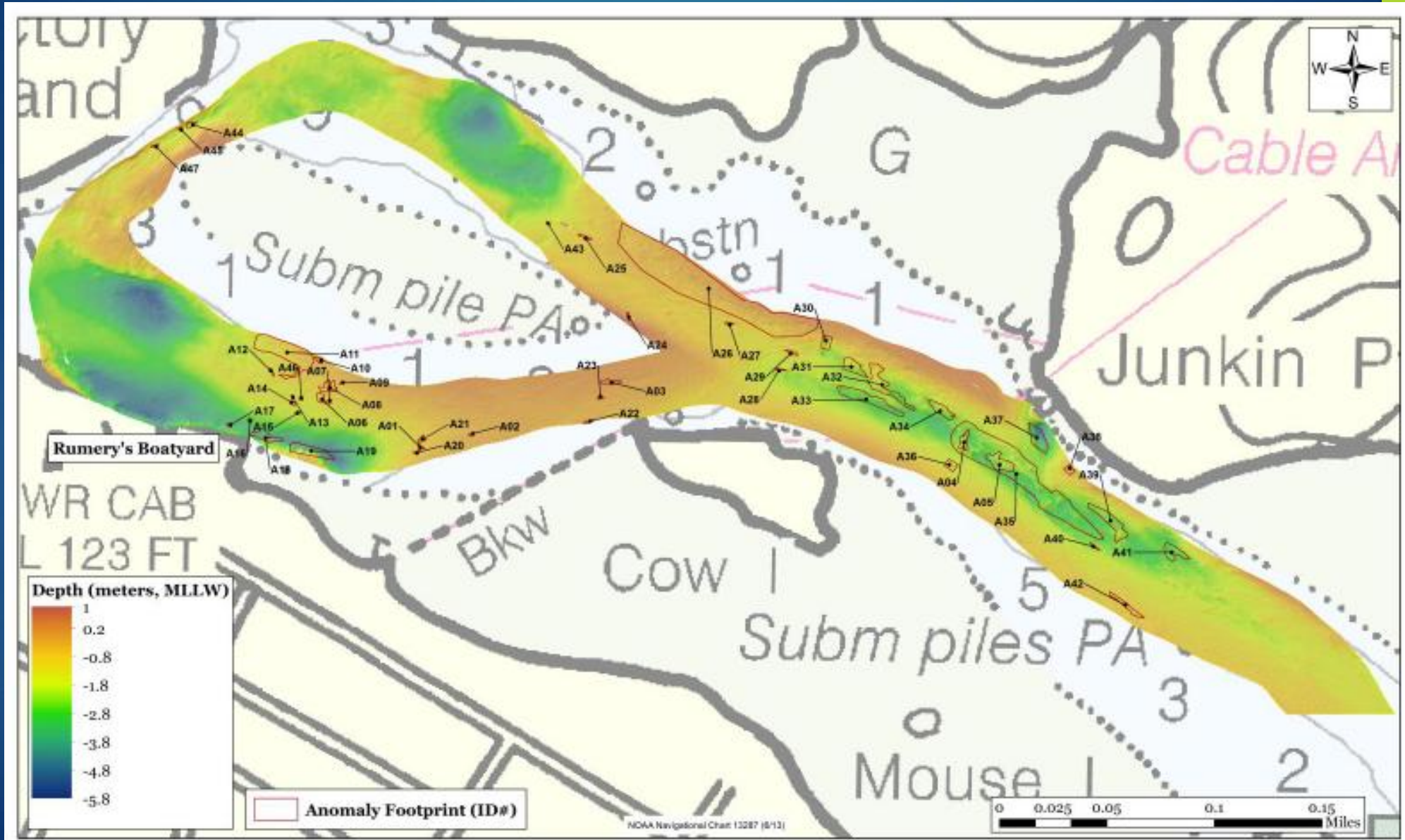
Progress at Last – Full Steam Ahead!

- ▶ Fully permitted and shovel ready
- ▶ Full funding request is in the FY18 President's Budget
- ▶ Upper reach will be dredged using Currituck in November 2017
 - ▶ Municipal marine debris cleanup complete by end of October
 - ▶ USACE resources are being scheduled now
- ▶ Lower reach scheduled for November 2018

Municipal Prep Work – Upper Reach

- ▶ Release RFP for marine debris cleanup June 26, 2017
- ▶ Proposals received by July 24, 2017
- ▶ Vendor selection by August 18, 2017
- ▶ Vendor Contract in place by August 30, 2017
- ▶ Inform mooring holders by June 30, 2017
- ▶ Moorings removed from upper reach by September 29, 2017
- ▶ Marine debris cleanup begins October 2nd – complete by October 30th

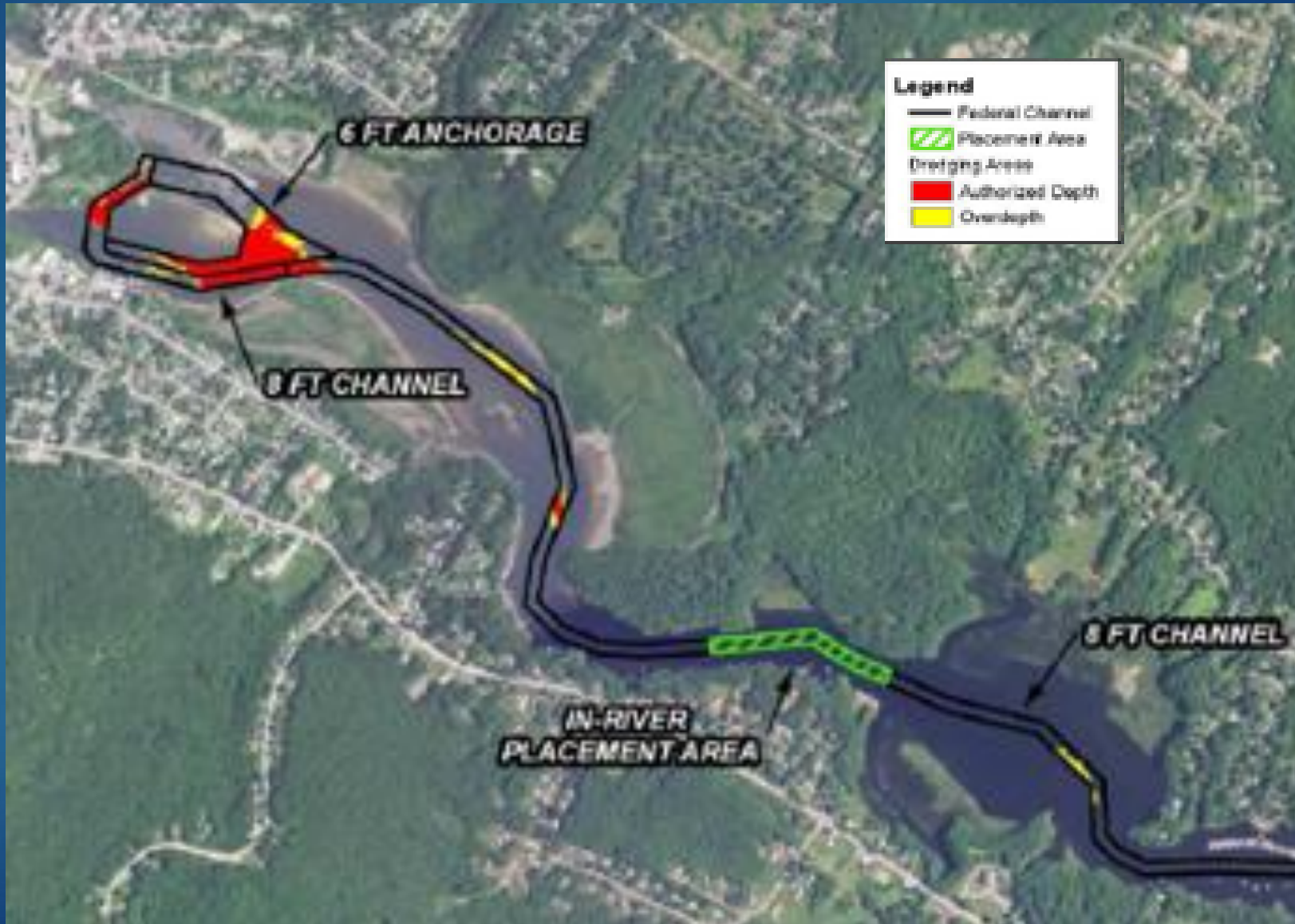
MCFI Recorded Anomalies



Upper Reach Dredge Plan/Timing

- ▶ Dredge window – November 15th through March 31st
- ▶ USACE Currituck mobilizes to site in early November 2017
- ▶ Project can't begin until November 8th (EA approved window)
- ▶ Anticipated project length: +/- 2 months
- ▶ Remove ~ 50,000 cy
- ▶ Dispose in-river in deep scour holes

Upper Saco River Dredge Area



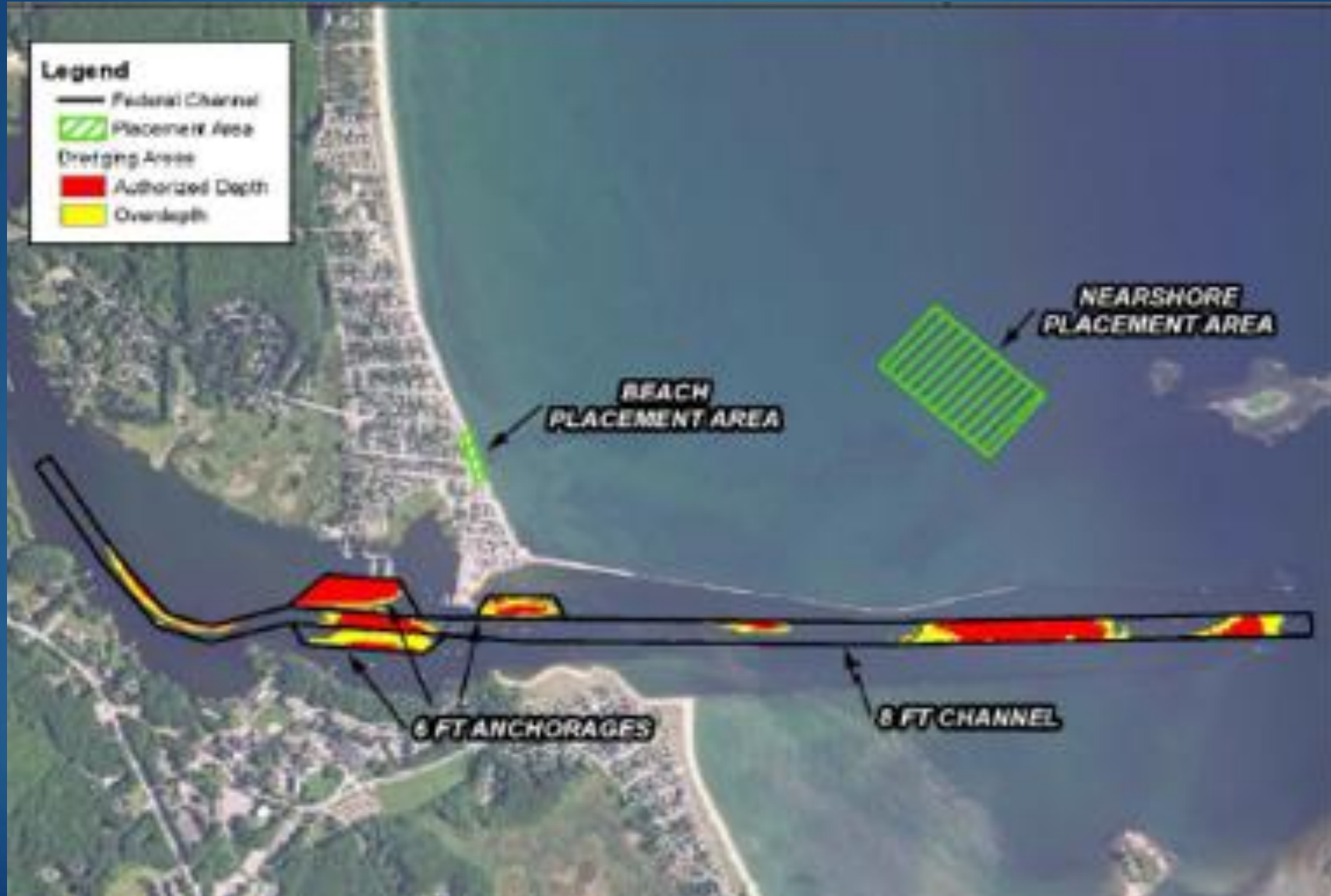
Municipal Prep Work – Lower Reach

- ▶ Request Maine Coastal Mapping Initiative (MCMI) Assistance
 - ▶ All Federal Anchorages and Federal Navigation Project (FNP)
- ▶ MCMI Report late summer 2017
- ▶ Harbormaster Plan for marine debris cleanup
- ▶ Inform mooring holders by June 30th, 2018
- ▶ Moorings removed from upper reach by late September 2018
- ▶ Marine debris cleanup begins October 2nd – complete by late October
- ▶ USACE Vendor mobilizes to FNP in November 2018

Lower Reach Dredge Plan/Timing

- ▶ Dredge window – November 15th through March 31st, 2018
- ▶ USACE releases RFP Spring 2018
- ▶ USACE vendor selection and contract Summer 2018
- ▶ USACE Contracted vendor mobilizes to site November 2018
- ▶ Anticipated project length: +/- 2.5 to 3.5 months
- ▶ Remove ~ 100,000 cy via special hydraulic dredge
- ▶ Dispose at Camp Ellis for replenishment purposes

Lower Saco River Dredge Area



Questions??

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Special Projects Funding Coordinator

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Maintenance of our Shoreline in the short- term

JUNE 15, 2017

What does the City do to help Coastal Properties?

- ▶ Saco DPW has spent over \$2.5 Million over the past 10 years on coastal erosion repair and mitigation efforts. (avg. \$250,000 per year)
- ▶ Out of this, only \$780,000 was associated with FEMA declared disasters.

Becoming proactive instead of reactive

- ▶ Where possible we're looking to take action ahead of a disaster
- ▶ DEP Discussions
- ▶ Costs of mitigation efforts

Current Beach Access Issues

- ▶ Access around the geotubes at the end of Fairhaven is being maintained for now, but conditions are changing frequently at that location.
- ▶ iPublic Works will make every reasonable effort to keep the area passable to the beach access at Eagle Ave.

Current Beach Access Issues

- ▶ Without further engineered structures installed this access will be limited moving forward.
- ▶ The City does not participate in dune replenishment along the privately owned dune sections.
- ▶ The City will add steps at the public access points within City right of ways as flat walkways are no longer possible.

Dredging of the River and Beach Fill

- ▶ The dredging activities over the next two winters may provide some relief to the rate of erosion along the area north of Fairhaven Ave. The exact amount is unknown.

Dredging of the River and Beach Fill

- ▶ The City will need to enact a Beach Management Plan which includes the protection of endangered species prior to Army Corps being able to place sand on the beach. Only sand that has been chemically tested and found to match beach sand will be placed along the shore.

Dredging of the River and Beach Fill

- ▶ The City may be coming to some of you to secure easements for the sand placement or equipment to access the beach to spread the sand. All of this work would take place between November and March.

Questions??

Patrick Fox
Public Works Director
City of Saco
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Camp Ellis Jetty Spur project

JUNE 15, 2017

What's the update?

- ▶ ACOE met today with Saco officials and representatives from:
 - ▶ Senator King's office
 - ▶ Senator Collins' office
 - ▶ Congresswoman Pingree's office

What's the update?

- ▶ The report has finally made it to headquarters
- ▶ However, with re-costing and re-estimation, the total cost of design, installation and replenishment has risen to 67 million

What's the update?

- ▶ 27 million for design and installation
 - ▶ 100% funded by the federal government

- ▶ 40 million for 4 beach replenishments
 - ▶ Estimated over 50 years
 - ▶ 50% share by the local government

What's does this mean for Saco?

- ▶ Of the 40 million, the federal government is responsible of 20 of it. This amount has not been authorized to be spend.
- ▶ We need to get the currently authorized amount of 27 million to be bumped to 67 million

What are our other options?

- ▶ Forgo the 50 year nourishment – reducing the need to push the federal government to increase their allocation
- ▶ Create a local funded beach replenishment plan (annual) – special assessment district
- ▶ State partnership on the re-nourishment plan

If no plan in place by end of summer...

- ▶ Pursue legal action?
- ▶ Just let the market runs its course?
- ▶ Consider buy-out?

What can we do today?

- ▶ Contact your state and federal representatives and ask them to support this project and encourage the ACOE to approve the report
- ▶ Administration will prepare a draft letter and send out.
- ▶ Be sure to sign up if you're not already on our email distribution list.

Questions??

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City Administrator

City of Saco

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