



**U.S. ARMY CORPS OF ENGINEERS
SAN FRANCISCO OFFICE
DEVELOPMENT OF A PROJECT MANAGEMENT PLAN (PMP)
FOR DREDGED MATERIAL MANAGEMENT PLAN (RDMMMP)**

**PMP PLANNING MEETING 5
CONCLUSION AND WAY FORWARD
JULY 21, 2020**



MUTING AND UNMUTING YOUR MIKES

- Your mikes are being MUTED
- During the meeting, you will be able to UNMUTE your mikes by entering Star 6 (*6)
- To MUTE your mikes, enter Star 6 (*6) again
- You may may also have to click/unclick the MUTE feature at bottom of your screen
- Please do not UNMUTE your mikes until directed by the Facilitator



REQUEST TO SPEAK

- Enter your Request to Speak through the Chat Box.
- In order to accommodate as many speakers as possible, each organization or speaker will be limited to 2 minutes of speaking time per comment.
- If time allows, speakers will be provided additional time to speak after other speakers have had an opportunity to speak.
- We appreciate your yielding to the next speaker when your two minutes have expired.



PMP PLANNING MEETING 5 – CONCLUSION AND WAY FORWARD



TOPIC	AGENDA ITEMS	START TIME
WELCOME Stu Townsley		8:30 AM
HIGHLIGHTS FROM CHARRETTE 1 RELATING TO TOXICOLOGY		
HIGHLIGHTS FROM CHARRETTE 2 RELATING TO CLIMATE CHANGE AND ENVIRONMENTAL ISSUES		
HIGHLIGHTS FROM CHARRETTE 3 RELATING TO PHYSICAL PROCESSES		
HIGHLIGHTS FROM CHARRETTE 4 RELATING TO ECONOMICS, SOCIAL STUDIES AND POLICIES		
BREAK		10:00 AM
OUTSTANDING TOPICS		
PROJECT MANAGEMENT PLAN Stu Townsley	<ul style="list-style-type: none">• Project Management Plan Roadmap• General Timeline and Cost for Total Effort• PMP Timeline• Closing Thoughts	



WELCOME

STU TOWNSLEY

Deputy District Engineer for Project Management
San Francisco District



HIGHLIGHTS FROM CHARRETTE

TAWNY TRAN

Project Manager, Regional Dredged Material Management Plan
San Francisco District



HIGHLIGHT FROM CHARRETTE 1: TOXICOLOGY

- The RDMMP should incorporate how future protocols around materials that is contaminated from previous land use issues that are now migrating into dredge channels.
- In-Bay placement of dredged materials could help avoid/mitigate impacts to air quality due to the use of dredging equipment and offloading equipment.
- USACE should include costs in the RDMMP because testing is a cost issue and the next 20 years of dredged material management needs to take into account toxins.
- Partnership with SFEI and ERDC for future studies related to toxicology.
- RDMMP needs to clarify what will be done to material that does not pass tests for toxins.
- Future use protocols regarding land use for dredged materials taking into account ambient concentrations of contaminants.



HIGHLIGHT FROM CHARRETTE 1: TOXICOLOGY

- Did we miss anything?



HIGHLIGHT FROM CHARRETTE 2: CLIMATE CHANGE & ENVIRONMENTAL ISSUES

- The need for beneficial reuse for raising marshes is essential. It is sediment from the Bay and needs to stay there and not be removed from the Bay.
- There is opportunity to be cost effective in achieving wetland restoration goals.
- Abbreviated timeline because of the critical need to accelerate beneficial reuse.
- Discussion about the federal standard, contracting strategies, and regional/supplement funding to supplement the beneficial reuse.
- The Montezuma project's tipping fees were not supplemented with public funding. The same logic applied to privately funded projects should be applied to publicly funded projects.
- There is a need to cast wider for aquatic disposal sites. The site should be closer to the need for where the sediment is and not the existing disposal sites.
- Regarding channel deepening and sea level rise- typically when a channel is deepened, there is more dredging to be done and not less. It would be important to include the modeling in the DMMP. Changing sedimentation patterns and the increase of sea level in the production of sediment should be addressed.



HIGHLIGHT FROM CHARRETTE 2: CLIMATE CHANGE & ENVIRONMENTAL ISSUES

- Did we miss anything?



HIGHLIGHT FROM CHARRETTE 3: PHYSICAL PROCESSES

- Need to determine data gaps in hydrodynamic model and address what needs to be studied. Perhaps with a partnership with other agencies or SFEI. A unified, versatile model is needed.
- Transport modeling for clean sediment and toxins are different and priorities need to reflect this.
- A focus should be addressing the cost issue and working with the dredging community to improve beneficial reuse and continue to work the federal standard issue.
- Beneficial reuse sites specific to improve habitat for waterfowl should include specific marsh species as they need the sediment the most.
- Need to define what is “beneficial” concerning dredged material.
- Assign an economic value to the sediment based on what folks would be willing to pay for it upland.
- Types of dredgers used should be considered on a case by case basis and contractor’s capability for hopper dredge to have offloading capability should be considered.



HIGHLIGHT FROM CHARRETTE 3: PHYSICAL PROCESSES



- Did we miss anything?



HIGHLIGHT FROM CHARRETTE 4: ECONOMICS, SOCIAL STUDIES AND POLICIES

- LTMS agencies would like RDMMP to use the LTMS strategies as baseline rather than starting from scratch.
- Need a flexible approach to dredged material management, especially in the situation with sea level rise and climate change.
- Dredge material management is larger than just the LTMS group. Encourage those who are impacted or influenced by how the dredging program is delivered to weigh in throughout this process.
- A need to evaluate if we can reduce the amount of material being dredged by the Corps annually and if there are opportunities to reduce the needs or will the needs increase?
- Consider redefining what in-bay disposal is to include some/all beneficial reuse?
- Rehandling of material for BU is one of the largest cost contributors to BU. One opportunity is to explore the potential for in-water “temporary” storage areas to create volumes that can be used to create an economy of scale for efficient rehandling.
- USACE funding other agencies for some of this effort discussed.



HIGHLIGHT FROM CHARRETTE 4: ECONOMICS, SOCIAL STUDIES AND POLICIES



- Did we miss anything?



10 MINUTE BREAK

- Please return to your screen in 10 minutes.



OUTSTANDING TOPICS

TAWNY TRAN

Project Manager, Regional Dredged Material Management Plan
San Francisco District



OUTSTANDING TOPICS



- A common recurring question asked by several stakeholders that remained unanswered is: “What is beneficial?”
- Lowering the Barriers to reuse is critical.
- Expand environmental windows and the opportunity to seek improvements and efficiencies in how concerns and risks related to natural resources and species (T&E and otherwise) are addressed.
- Any other topics?



WAY FORWARD

STU TOWNSLEY

Deputy District Engineer for Project Management
San Francisco District



PROJECT MANAGEMENT PLAN (ROAD MAP)

- The purpose of this Project Management Plan (PMP) is to manage the execution of a RDMMP for the Bay. This PMP serves as a guide and reference on how to manage the project delivery team, project acquisitions, changes to the project, quality of work products, risks to project execution, internal and external communications, and most importantly the overall scope, schedule, and budget for the management plan (RDMMP).
- This PMP is not intended to anticipate or include all possible changes to the project during execution. It is a dynamic "living" document that requires periodic update.



PMP TIMELINE





GENERAL TIMELINE & COST FOR TOTAL EFFORT

After the PMP is finalized, the Regional Dredge Material Management Plan (RDMMP) studies are then further divided and conducted in two phases:

1-The initial phase: concentrates on developing a detailed Scope of Work. The initial phase shall be completed within twelve (12) months of receipt of funds by the San Francisco District.

2-Final phase: The Scope of Work shall be the basis for estimating the total study cost and local share, if any, and shall allow not longer than thirty-six months (36) to complete the final phase.

Estimated Costs: \$1M-7M



CLOSING THOUGHTS



- The draft PMP is posted at:
<https://www.spn.usace.army.mil/Missions/Projects-and-Programs/Regional-Dredge-Material-Management-Plan/>
- Email your comments to: CESPN-RDMMP@usace.army.mil



CONCLUSION



We appreciate your participation
and thank you for your continued support!