

# Project Management Plan (PMP)

United States Army  
Corps of Engineers  
(USACE)

San Francisco District

Regional Dredged  
Material Management  
Plan (RDMMP)

ISSUES RELATING TO  
CLIMATE CHANGE AND  
ENVIRONMENTAL  
ISSUES

JULY 9, 2020



## HOUSEKEEPING ITEMS

- Muting Phones
- Chat Box
- Polling
- Change in Agenda



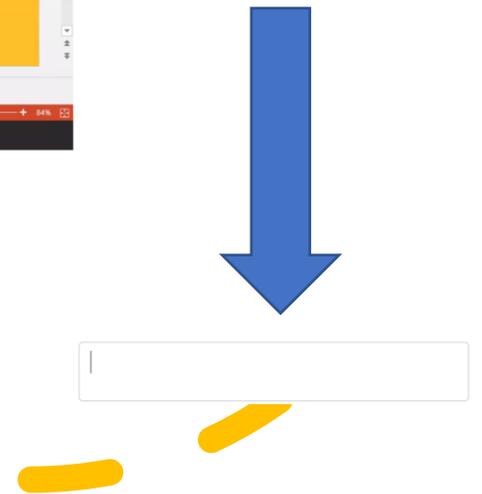
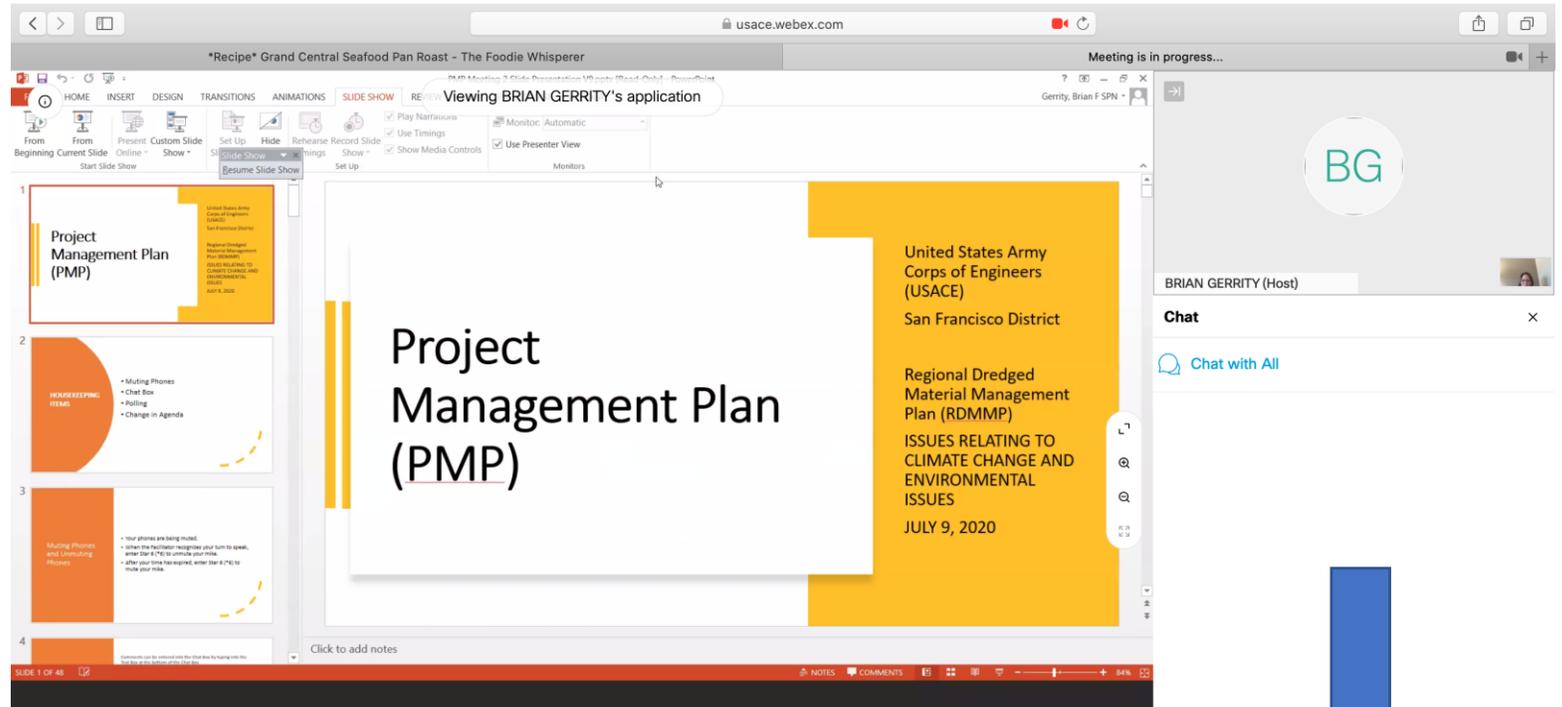
## Muting Phones and Unmuting Phones

- Your phones are being muted.
- When the Facilitator recognizes your turn to speak, enter Star 6 (\*6) to unmute your mike.
- After your time has expired, enter Star 6 (\*6) to mute your mike.



# How to Use Chat Box

Comments can be entered into the Chat Box by typing into the Text Box at the bottom of the Chat Box



# Participating in Polls

We will be conducting polls today to measure consensus or discord over comments. The following is a Screenshot of an Example Poll we will be using. Polls will be posted to the Chat Box. To participate in the poll, please go to the Chat Box and select “AGREE”, “DISAGREE”, or “NO OPINION”. Click SUBMIT to enter your selection.

Viewing BRIAN GERRITY's application

The EIS should describe the multi-year sediment testing plan that has been developed in coordination with the interagency Dredged Material Management Office. A summary of past sediment quality testing results for each federal channel should be presented in the DEIS. In addition, the DEIS should address how the Corps will manage any maintenance dredged material that may be found to be unsuitable for unconfined aquatic disposal, or beneficial re-use at particular sites (for example, due to chemical contamination or toxicity to aquatic organisms).

**Context: Santa Fe Channel has not been dredged in a long time due to contamination (according to EPA). Previous scoping letter provided to USACE indicated the concern regarding the sediment testing plan. USACE needs to incorporate a management plan for each channel and for dredge materials that is found unsuitable.**

Updates Available  
Do you want to install the updates now?  
Close  
Install

Call-in User\_1

**Polling**

Time remaining: 00:53  
(Your answer may be recorded.)

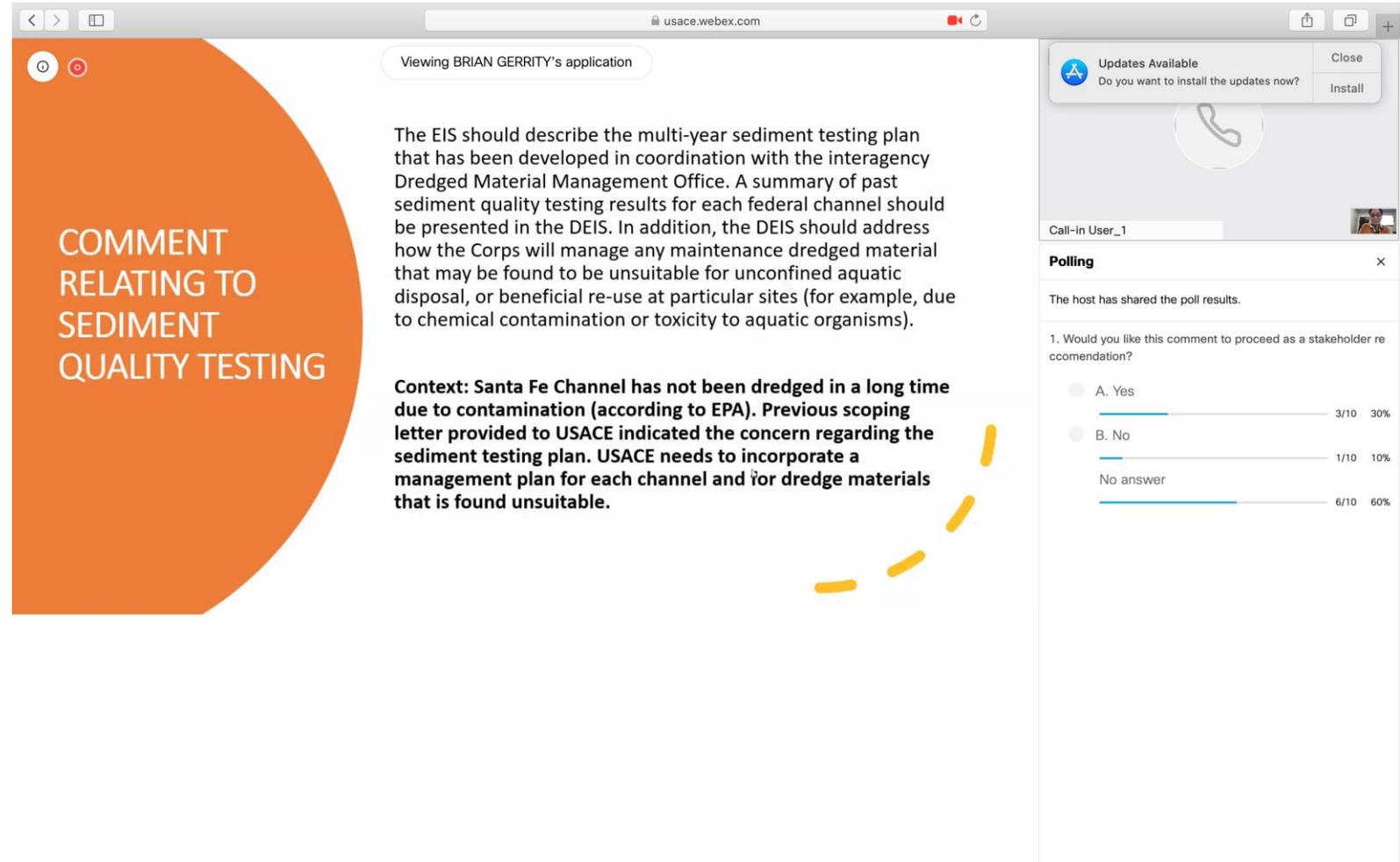
1. Would you like this comment to proceed as a stakeholder recommendation?

A. Yes  
 B. No

Submit

# Participating in Polls

Once the Poll is completed and closed, Poll results will be shared.



The screenshot shows a web browser window with the URL `usace.webex.com`. The main content area displays a comment titled "COMMENT RELATING TO SEDIMENT QUALITY TESTING" with the following text:

The EIS should describe the multi-year sediment testing plan that has been developed in coordination with the interagency Dredged Material Management Office. A summary of past sediment quality testing results for each federal channel should be presented in the DEIS. In addition, the DEIS should address how the Corps will manage any maintenance dredged material that may be found to be unsuitable for unconfined aquatic disposal, or beneficial re-use at particular sites (for example, due to chemical contamination or toxicity to aquatic organisms).

**Context: Santa Fe Channel has not been dredged in a long time due to contamination (according to EPA). Previous scoping letter provided to USACE indicated the concern regarding the sediment testing plan. USACE needs to incorporate a management plan for each channel and for dredge materials that is found unsuitable.**

On the right side of the browser window, a "Polling" overlay is visible. It displays the question: "1. Would you like this comment to proceed as a stakeholder recommendation?" with the following results:

Response	Count	Percentage
A. Yes	3/10	30%
B. No	1/10	10%
No answer	6/10	60%

**PMP PLANNING MEETING 2**  
**ISSUES RELATING TO CLIMATE CHANGE AND ENVIRONMENTAL ISSUES**  
**JULY 9, 2020**

TOPIC	AGENDA ITEMS	START TIME
HOUSEKEEPING ITEMS		8:30 AM
WELCOME Stu Townsley		8:35 AM
OVERVIEW Stu Townsley	<ul style="list-style-type: none"> <li>• Summary of PMP</li> <li>• Meeting Objectives</li> <li>• Overview of Meeting Theme</li> </ul>	8:40 AM
COMMENT OVERVIEW Brian Gerrity	<ul style="list-style-type: none"> <li>• Development of Comments</li> <li>• Introduction of Comments to Be Discussed</li> </ul>	8:45 AM
CHARRETTE PROCESS Priscilla Ouchida	<ul style="list-style-type: none"> <li>• Introduction of Speakers and Facilitator Team</li> <li>• Explanation of Charrette Process</li> <li>• Review of Meeting Protocols</li> <li>• Questions Regarding Charrette Process</li> </ul>	8:55 AM
COMMENT 1 RELATING TO CLIMATE CHANGE AND ENVIRONMENTAL ISSUES	<ul style="list-style-type: none"> <li>• Discussion on Comment</li> <li>• Polling on Comment</li> </ul>	9:05 AM
COMMENT 2 RELATING TO CLIMATE CHANGE AND ENVIRONMENTAL ISSUES	<ul style="list-style-type: none"> <li>• Discussion on Comment</li> <li>• Polling on Comment</li> </ul>	9:45 AM
BREAK		10:25 AM
COMMENT 3 RELATING TO CLIMATE CHANGE AND ENVIRONMENTAL ISSUES	<ul style="list-style-type: none"> <li>• Discussion on Comment</li> <li>• Polling on Comment</li> </ul>	10:35 AM
ADDITION OF NEW COMMENTS	<ul style="list-style-type: none"> <li>• Open List for Addition of New Comments</li> <li>• Stakeholder Polling on Addition of New Comments</li> <li>• Close List of Comments to be Discussed</li> </ul>	11:15 AM
CLOSING STATEMENT Stu Townsley		12:25 PM

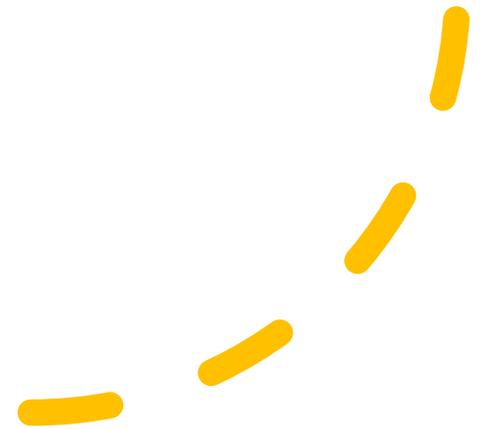


# WELCOME

U.S. ARMY CORPS  
OF ENGINEERS  
San Francisco District

**Stu Townsley**

Deputy District Engineer for Project  
Management, San Francisco District



# OVERVIEW

**STU TOWNSLEY**

Deputy District  
Engineer for Project  
Management  
San Francisco District

- SUMMARY OF PMP
- MEETING OBJECTIVES
- OVERVIEW OF MEETING THEME



# San Francisco District – Dredging Mission



# Environmental and institutional backdrop

- **NEPA:** 10-year (2015-2024) Environmental Assessment, 29 May 2015
- **Endangered Species Act (ESA):** BO
- **Clean Water Act (CWA):**
  - Section 401 Water Quality Certification
- **Coastal Zone Management Act (CZMA):**
  - Consistency Notification from the San Francisco Bay Conservation and Development Commission (BCDC)
- **Long Term Management Strategy:**
  - Framework for placement in the bay with a target of no more than 20% in Bay
- **Federal Standard:**
  - The least costly dredged material disposal or placement alternative (or alternatives) that is consistent with sound engineering practices and meets all federal environmental requirements, including those established under the Clean Water Act (CWA) and the Marine Protection, Research, and Sanctuaries Act.

### 2020 O&M DREDGING PLAN\*

Annual	Bid Open	Award	2020 O&M DREDGING PLAN*												Estimated CY	Dredge Type	Placement Site				
			MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC	JAN	FEB							
			FY2020						FY2021												
Oakland Harbor	13-Apr (A)	1-May (A)																890kcy	Contract Clam Shell	SF-DODS	
Richmond Inner Harbor	24-Apr (A)	7-May (A)																223kcy	Contract Clam Shell	SF-DODS	
San Joaquin River (Port of Stockton)	15-Jun	29-Jun																	285kcy	Contract Pipeline	Various Upland
Suisun Bay Channel	17-Jun	1-Jul																	74kcy 33kcy	Contract Clam Shell	Upland SF-16
SF Main Ship Channel	N/A	N/A																350kcy	Govt Hopper	OBDS/SF-8	
Richmond Outer Harbor	N/A	N/A																250kcy	Govt Hopper	SF-11/SF-10	
Humboldt Bar & Entrance Channels	N/A	N/A																1100kcy	Contract Hopper	HOODS	
Humboldt Interior Channels	N/A	N/A																150kcy	Govt Hopper	HOODS	
Workplan Funded Projects in Order of Award Date																					
Noyo River and Harbor	5-Jun (A)	15-Jun																	18kcy	Pipeline	Upland
Sacramento River (30 Foot Project)	6-Jul	19-Jul																	145kcy	Contract Pipeline	Various Upland
Petaluma River	13-Jul	27-Jul																	200kcy	Clam Shell/ Pipeline	Upland, SF-10
Crescent City Harbor	13-Jul	27-Jul																	20kcy	Hydraulic/ Pipeline	Wheeler Island
Moss Landing Harbor	19-Aug	27-Aug																	85kcy	Hopper/Clam Shell w/Pipe	SF-14, Beach Site
San Rafael Creek (P&S only)	N/A	N/A																TBD	TBD	TBD	

\* Program execution is based on the FY20 Workplan plus FY19 Carryover. Date of Last Update: 6/8/2020

	Solicitation		Environmental Window
	Bid Opening		Mobilization
	Contract Award		New SPN Contract
	Hopper Dredging		Funded for P&S only

# The San Francisco Bay Regional DMMP Effort Update



## Key Issues

- USACE dredging supports a wide array of goods moving throughout the Bay, 70% of which is commercial and 30% of which is fuel.
- Dredged material in the Bay is an important resource because material is mostly clean.
- Selection of future placement sites.
- Bringing visibility to shallow draft harbors.

## Regional DMMP

- Comprehensive approach.
- Focus on addressing dredge material placement issues.
- Improve environmental compliance based upon best available science to inform environmental restrictions/limitations.
- Emphasis on resiliency, especially due to uncertainties with climate change and sea level change.

# CHARRETTE PROCESS

- Introduction of Speakers/Facilitator Team
- Charrette Process
- General Protocols
- Questions Regarding Charrette Process



# SPEAKERS

U.S. ARMY CORPS  
OF ENGINEERS  
San Francisco District

- **Stu Townsley**  
Deputy District Engineer for Project Management,  
San Francisco District
- **Tawny Tran**  
Project Manager, Regional Dredged Material  
Management Plan (RDMMP)
- **Brian Gerrity**  
Lead Planner, RDMMP





# THE FACILITATOR TEAM

- **Priscilla Ouchida**  
Facilitator
  - **John Guenza**  
Facilitator
  - **Libby Claggett**  
Note Taker
  - **Joe Schwennesen**  
Timer / Note Taker
- 

# CHARRETTE PROCESS

## Today's Discussion

- Discussion on comments previously submitted by stakeholders in response to draft PMP relating to climate change and environmental issues.
  - Measure stakeholder consensus or discord relating to comments.
  - Provide stakeholders with an opportunity to add new comments relating to climate change and environmental issues.
- 

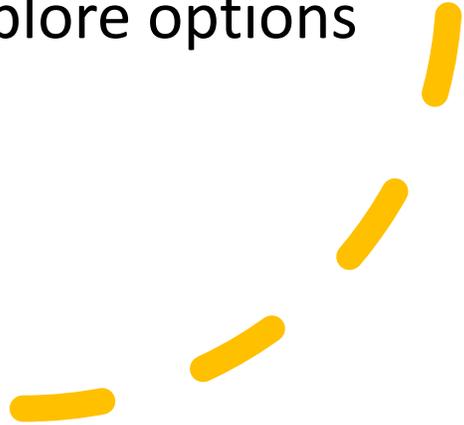
# CHARRETTE PROCESS

Different Than a  
Public Hearing

- The Charrette is different than a public hearing. Provisions will not be adopted today.
  - All comments made in today's discussion will be considered in the development of the PMP and will become part of the project administrative record.
  - Stakeholder comments will drive today's conversation.
- 

# CHARRETTE PROCESS

Empowering  
Stakeholders

- Focused Planning Workshop
  - Provides each stakeholder with an opportunity to submit comments.
  - Ensures issues and concerns are understood, considered, and reflected in options for the PMP.
  - Includes diverse stakeholders to explore options for the PMP.
- 

STAKEHOLDERS  
THAT  
SUBMITTED  
COMMENTS ON  
PMP

NAME	ORGANIZATION
RICHARD ARIANA	San Francisco Bay Joint Venture
AMY HUTZEL	California Coastal Conservancy
ZOE KELMAN	Private Citizen
ERICA MAHARG	San Francisco Baykeeper
KRISTIN CONNELLY	East Bay Leadership Council
JAN WARREN	Private Citizen
BRIAN ROSS	Environmental Protection Agency
ELIZABETH CHRISTIAN	California Regional Water Quality Control Board
BRENDA GOEDEN	S.F. Bay Conservation & Development Commission
EDWIN DRAPER	Port of Oakland
RENEE SPENST	Ducks Unlimited
DAVE HALSING	South Bay Salt Pond Restoration Project
AL FRANZOIA	California State Lands Commission
KEVIN BUCHAN	Western States Petroleum Association
PASHA MCALLISTER	Chevron
ROY MATHUR	Shell

STAKEHOLDERS  
THAT  
SUBMITTED  
COMMENTS ON  
PMP

NAME	ORGANIZATION
SCOTT DUSTERHOFF	San Francisco Estuary Institute
ANNE MORKILL	U.S. Fish and Wildlife Service
ARTHUR FEINSTEIN	Sierra Club
BRIAN SWEDBERG	Port of Sonoma
BRUCE JAFFE	United States Geological Survey
BILL WELLS	California Delta Chamber of Commerce
CHRIS POTTER	California Natural Resources Agency
CHRISTINA MCDOWELL	Tesoro
DARREN HOWE	NOAA National Marine Fisheries Service
DAVID LEWIS	Save the Bay
DON SNAMAN	Port of Redwood City
GARY LEVIN	Levin-Richmond Terminal Corporation
J. C. KRAUSE	Dutra Group
JEFF WINGFIELD	Port of Stockton
JIM LEVINE	Montezuma Wetland Restoration
SHANNON ALFORD	San Francisco Port

OTHER  
STAKEHOLDERS  
PARTICIPATING  
IN TODAY'S  
MEETING

NAME	ORGANIZATION
BRIAN HUBINGER	Chevron
ERIN HANDFORD	City of Vallejo
PAUL KELLEY	City of Vallejo
CHRIS POTTER	City of Vallejo
DAVIS TERRANCE	City of Vallejo
JIM HAUSSEUR	CA Marine Affairs and Navigation Conference
RYAN HERNANDEZ	Contra Costa County Water Agency
STEVE CHEW	Curtain Maritime
WILL WALGREN	Dutra
DAVID ELLER	Gahagan & Bryant Associates, Inc.
JIM MURCHISON	Gahagan & Bryant Associates, Inc.
STAN EKREN	Great Lakes Dredging
BILL HANSON	Great Lakes Dredging
SCOTT BODENSTEINER	Haley & Aldrich
DILIP TREVIDI	Moffatt & Nichols

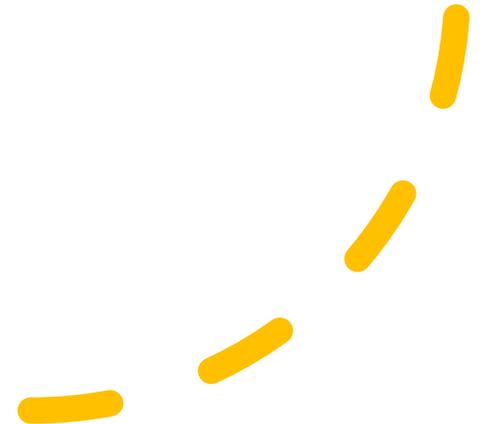
OTHER  
STAKEHOLDERS  
PARTICIPATING  
IN TODAY'S  
MEETING

NAME	ORGANIZATION
CASSIE PINNEL	Montezuma Wetlands
SARAH AZAT	National Marine Fisheries Service
BRIAN NAGY	Nimitz Group
KEENER BAILEY	Nimitz Group
CHRIS POTTER	Ocean Protection Council
JAN NOVAK	Port of Oakland
TOM BARTEE	State Senator Bill Dodd
LOGAN PITTS	State Senator Bill Dodd
MEL ORPILLA	U.S. Representative Mike Thompson (CA-5)
NATE BENTHAM	U.S. Representative Mike Thompson (CA-5)
SARABETH GEORGE	Waterboards
BRIAN ROSS	Environmental Protection Agency
BRENDA GOEDEN	S.F. Bay Conservation & Development Commission
EDWIN DRAPER	Port of Oakland
RENEE SPENST	SF Bay and CA Coast
SCOTT DUSTERHOFF	San Francisco Estuary Institute

# MEETING PROTOCOLS

## Key Protocols

- The meeting will be recorded. Your participation in this meeting serves as express consent to be recorded and monitored during the meeting.
- Participants are asked to actively listen.
- Participants are asked to refrain from personal attacks.



# MEETING PROTOCOLS

## Request to Speak

- 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.
- 

# MEETING PROTOCOLS

## Request to Speak

- To speak on a comment, participants should submit a request to speak through the Chat Box.
    - EXAMPLE: John Smith, Acme Dredging Company, requests to speak
  - Speakers will be recognized in order that requests to speak are submitted through the Chat Box.
  - The Facilitator will recognize your turn to speak
- 

# MEETING PROTOCOLS

## Request to Speak

- When the Facilitator recognizes your turn to speak, enter Star 6 (\*6) to unmute your mike.
- Facilitator will notify the Speaker when the two-minute speaking time has expired.
- After your time has expired, enter Star 6 (\*6) to mute your mike.



# CHARRETTE PROCESS

## Polls

- After discussion of each comment, we will conduct a poll to measure the degree of consensus or discord on a comment.
  - Poll choices will be “Agree”, “Disagree” or “No Opinion”.
    - AGREE indicates you agree with the comment.
    - DISAGREE indicates you have not reached consensus on the comment
    - NO OPINION indicates you are neutral on the comment.
- 

# CHARRETTE PROCESS

## Polls

- Participation in the polls is important as it will assist the Corps in assessing the level of support for a comment.
  - All stakeholders in today's meeting are encouraged to participate in all polls.
  - All submitted comments and polling results will be submitted to the Army Corps of Engineers as part of the project record.
- 

# MEETING PROTOCOLS

## New Comments

- After previously submitted comments have been discussed, stakeholders will have an opportunity to submit new comments for discussion.
  - New comments submitted for consideration at this meeting must (1) relate to the RDMMP PMP, (2) fall within today's subject matter of climate change and environmental issues, and (3) not relate to aspects of the PMP that are purely legal and cannot be discussed.
- 

# MEETING PROTOCOLS

## Legal Disclaimer

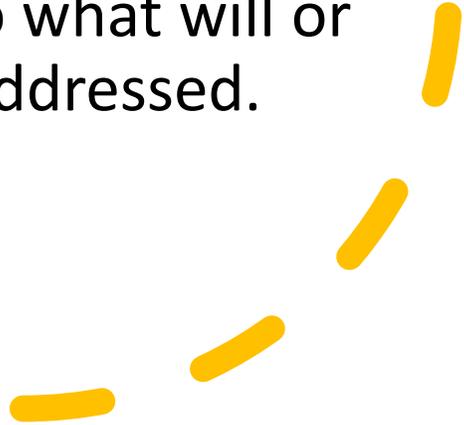
The following Legal Disclaimer applies to comments relating to aspects of the PMP that are purely legal and cannot be discussed:

The U.S. Army Corps of Engineers is unable to directly respond to comments currently being litigated and believes the merits of these issues are more appropriately left for the court to decide.



# MEETING PROTOCOLS

## Chat Box

- All participants may use the Chat Box to submit a statement or question.
  - When submitting a statement or question through the Chat Box, please identify yourself by name and organization.
  - Only clarifying questions about a comment will be addressed. Questions relating to what will or will not be in the PMP will not be addressed.
- 

# QUESTIONS?

---

PLEASE SUBMIT YOUR QUESTIONS THROUGH THE CHAT BOX.

PLEASE IDENTIFY YOURSELF WHEN ENTERING A COMMENT OR QUESTION THROUGH THE CHAT BOX.

**DOES ANYONE  
KNOW HOW LONG  
TOILET PAPER WILL  
LAST IF YOU FREEZE  
IT?**

# COMMENT OVERVIEW

**BRIAN GERRITY**

Lead Planner

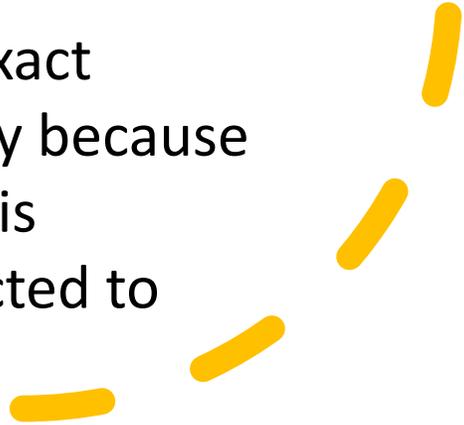
RDMMP

## INTRODUCTION OF COMMENTS

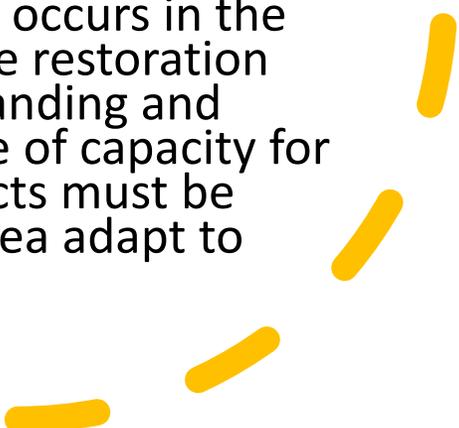
- CLIMATE CHANGE AND ENVIRONMENTAL ISSUES



## DEVELOPMENT OF COMMENTS

- USACE received many comments from a wide variety of stakeholders, and the charette topics reflect the variety of comments received.
  - In most cases there were several comments relating to similar topics (e.g sea level rise). For each topic area, USACE staff has selected comprehensive, representative comments to reflect the entirety of thoughts received from all stakeholders who provided written comments on that topic area.
  - If you do not see listed here the exact comment you submitted, it is likely because your comment was similar to and is encompassed by a comment selected to represent the topic.
- 

# COMMENTS RELATING TO CLIMATE CHANGE AND ENVIRONMENTAL ISSUES

- If USACE does not beneficially reuse more dredged materials, sea level rise impacts will be exacerbated. For example, the rate at which sediment will accrete into former salt-production ponds that would be opened to tidal flows and whether this accretion and eventual marsh formation will keep pace with sea-level rise. There is substantial uncertainty regarding these critical aspects of successful marsh restoration, in the SBSP Restoration Project and many others.
  - Time is running out, we have 10 years left to implement measures to adapt to predicted sea level rise. The timeline in the PMP for the RDMMP will take 5 years, which is too long to delay implementation.
  - Sediment is key to addressing subsidence that occurs in the Bay and sediment cannot be wasted. There are restoration projects (Montezuma, Bel Marin Keys, Eden Landing and Cullinan Ranch) that represent about a decade of capacity for USACE's O&M dredging program. These projects must be considered moving forward to help the Bay Area adapt to climate change.
- 



COMMENTS  
RELATING TO  
CLIMATE CHANGE  
AND  
ENVIRONMENTAL  
ISSUES

CLIMATE CHANGE AND ENVIRONMENTAL  
ISSUES

(40 MINUTES PER COMMENT)

- STAKEHOLDER DISCUSSION ON COMMENTS
  - CLOSE STAKEHOLDER DISCUSSION
  - STAKEHOLDER POLL
- 

COMMENT 1  
RELATING TO  
CLIMATE CHANGE  
AND  
ENVIRONMENTAL  
ISSUES

If USACE does not beneficially reuse more dredged materials, sea level rise impacts will be exacerbated. For example, the rate at which sediment will accrete into former salt-production ponds that would be opened to tidal flows and whether this accretion and eventual marsh formation will keep pace with sea-level rise. There is substantial uncertainty regarding these critical aspects of successful marsh restoration, in the SBSP Restoration Project and many others.

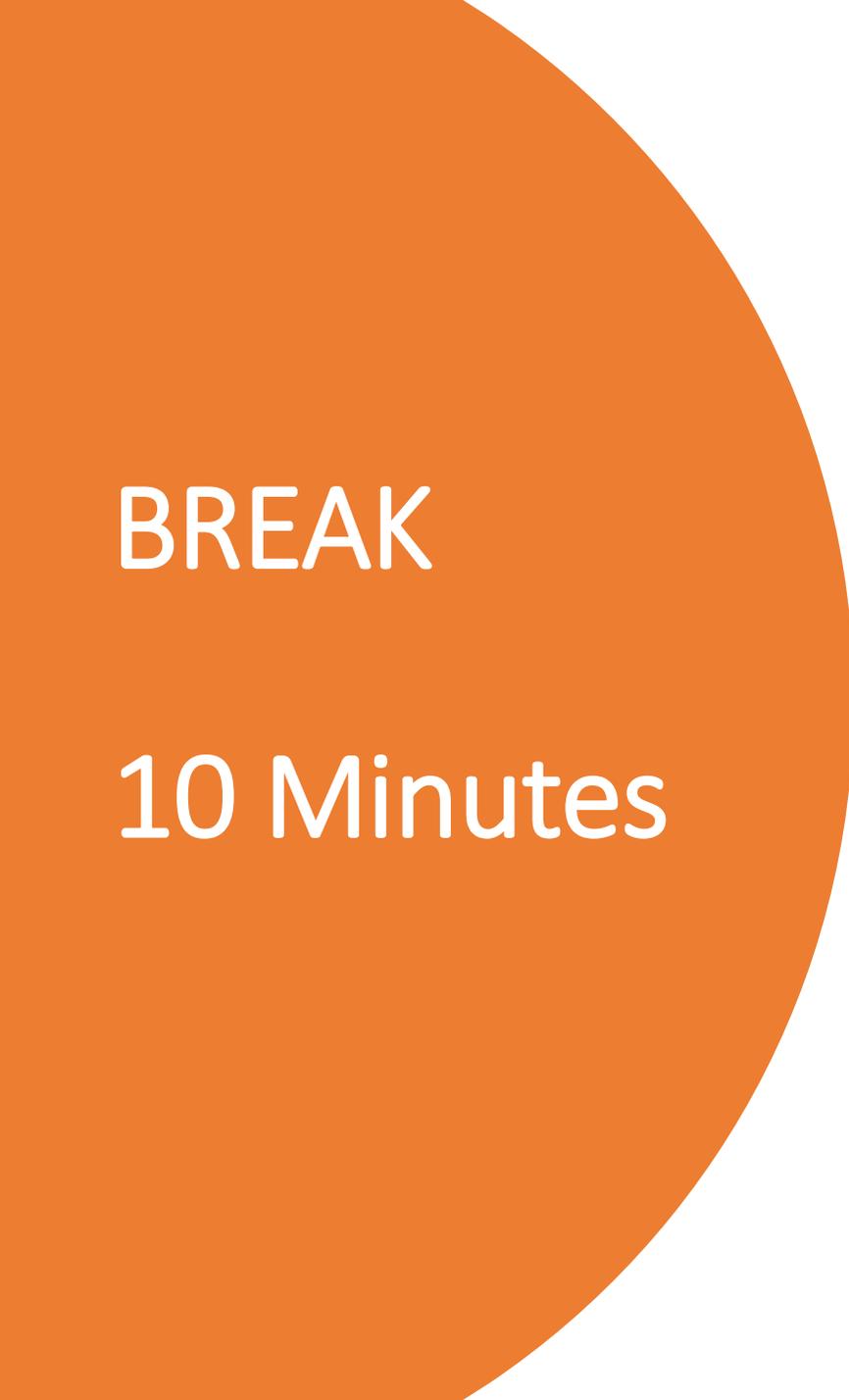
**Context: Concern over the implications of sea level rise combined with a lack of natural defenses by beneficially reuse.**



COMMENT 2  
RELATING TO  
CLIMATE CHANGE  
AND  
ENVIRONMENTAL  
ISSUES

Time is running out, we have 10 years left to implement measures to adapt to predicted sea level rise. The timeline in the PMP for the RDMMP will take 5 years, which is too long to delay implementation.

**Context: Concern regarding the timeline of the PMP with sea level rise considerations. PMP should take into account sea level rise curves and account for the timeline and respond accordingly.**



BREAK

10 Minutes

PLEASE RETURN TO YOUR SCREENS IN 10 MINUTES.

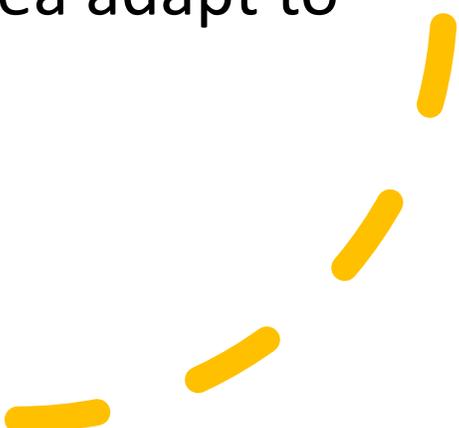
WE WILL RESUME WITH COMMENT 3 RELATING TO CLIMATE CHANGE AND ENVIRONMENTAL ISSUES





COMMENT 3  
RELATING TO  
CLIMATE CHANGE  
AND  
ENVIRONMENTAL  
ISSUES

Sediment is key to addressing subsidence that occurs in the Bay and sediment cannot be wasted. There are restoration projects (Montezuma, Bel Marin Keys, Eden Landing and Cullinan Ranch) that represent about a decade of capacity for USACE's O&M dredging program. These projects must be considered moving forward to help the Bay Area adapt to climate change.



# NEW COMMENTS

- New Comments should be submitted through the Chat Box
- New comments submitted for consideration at this meeting must (1) relate to the RDMMP PMP, (2) fall within today's subject matter of climate change and environmental issues, and (3) not relate to aspects of the PMP that are purely legal and cannot be discussed.



# NEW COMMENTS

The Facilitator will make a determination whether the New Comment meets the criteria to be discussed in today's meeting.

- Pertains to RDMMP PMP
- Falls within subject area of today's meeting
- Does not address a purely legal issue

# NEW COMMENTS

- New comments that are placed on the agenda will be taken up in the order submitted.
- We will try to discuss all new comments today. Comments not discussed will be taken up in Meeting 5 on July 21.
- If you would like to submit a New Comment for consideration, please submit your comment through the Chat Box.



NEW  
COMMENT



NEW  
COMMENT



# CLOSING

STU TOWNSLEY

Deputy District  
Engineer for Project  
Management  
San Francisco District

COMMENTS PLACED IN THE PARKING LOT FOR DISCUSSION THAT WERE NOT DISCUSSED TODAY WILL BE SCHEDULED FOR MEETING 5 ON TUESDAY, JULY 21, 2020.

Questions on Meeting 5 or other issues can be directed to Tawny Tran at [THANH.T.TRAN@USACE.ARMY.MIL](mailto:THANH.T.TRAN@USACE.ARMY.MIL)

# WRITTEN COMMENTS

Written Comments on the RDMMP PMP may be submitted to the San Francisco District, U.S. Army Corps of Engineers.

Written Comments should be submitted via RDMMP inbox:

- The draft PMP will be posted
- <https://www.spn.usace.army.mil/Missions/Projects-and-Programs/Regional-Dredge-Material-Management-Plan>

Email your comments at: [CESPN-RDMMP@usace.army.mil](mailto:CESPN-RDMMP@usace.army.mil)