

**Notes for Wednesday March 23, 2016**

**Southern California Dredged Material Management Team (SC-DMMT) Meeting**

US Army Corps of Engineers - Los Angeles District

Attendees:

Melissa Scianni – EPA  
Kimberley Clements – Corps Planning  
Kirk Brus – Corps  
Joe Ryan – Corps Coastal Engineering  
Justin Leudy – POLB  
Janna Watanabe – POLB  
Jeff Cole – Corps Navigation†  
Allan Ota – EPA / SF†  
Larry Simon – CCC / SF†  
Carol Roberts – USFWS/ Carlsbad†  
Robert Smith – Corps Regulatory†  
Peter VanLangen – Waterboard / Centralcoast†  
Michael Lyons – Waterboard / LA†  
Allan Monji – Waterboard / SD†  
Bryant Chesney – NMFS†  
Eric Wilkins – CDFW /Marine Monterey†  
Larry Smith – Corps Planning†

Navy Project participants:

Brian Rile  
Derek Lerma  
Jasmin Atencia  
Theresa Bresler  
Neil Pflum  
Julian Ibarra  
Don Crabb

†Participated by phone.

**Announcements: 10:00 – 10:15**

Bonnie Rogers: Update the pilot DMMT Tracking Sheet.

Allan Ota – not receiving emails from me, but determined it was his internal program.

Allan attended the Seal Beach Refuge pilot project restoration.

**Project #1: 10:15 – 10:45**

- 1) Project name: Marina del Rey Maintenance Dredging
- 2) Applicant name, Applicant affiliation: Civil Works
- 3) Project type (Regulatory/Navigation): Navigation
- 4) Corps Project Manager name: Larry Smith
- 5) Meeting type (DMMT/CSTF): Joint SC-DMMT/CSTF
- 6) Purpose/topic (e.g., SAP, SAPR and/or suitability determination): SAP
- 7) Presentation? (y/n): No
- 8) Documents provided (emailed or a link): To be provided when available.
- 9) Time needed (45 min or more?): 30 minutes

Notes: Final SAP will eliminate Redondo Beach. Standard list of chemical analysis and analytes will be included. Expected dredge quantity of approximately 590,000 CY. If the contractor proposes hydraulic it would go on the beach; clamshell would go to the nearshore area via barge. Propose solid phase bioassays only as a contingency, but not water column surveys because contaminants are low and expected to be clean and no water column effects would be expected.

EPA: Agrees water column will not be failed so do not see need.

Larry: The placement of coring sites is based on the bathymetry they have.

EPA: Areas 4 and 7 are below project depth so do you expect to move cores to find adequate material to sample?

Ken: Yes they are planning to go to target location and move out to most shoaled areas.

Jeff Cole: Did not want to limit areas because they expect the El Nino area to bring in more sediment.

Larry: That's why Area 7 North was added.

Michael Lyons: Plan looks good.

Jeff Cole: Hope to start dredging October 1 or in November.

Larry Simon: Plan looks good.

Bryant: It looks like the project would still not incorporate previous trash concerns.

Larry: The coring contractor will note any trash observed during sediment sampling. Measures to control debris from various dredging methods will be evaluated during the EA process under NEPA and EFH.

Bonnie: Will that info be reviewed at DMMT or after?

Larry: DMMT members would be provided copies of the EA for review and comment. Would not propose to be discussed at a DMMT meeting as it is not related to sediment quality.

Michael: There is interest in having what happened last time to not happen.

Allan Ota: For the hydraulic there will be some screening. Does not recall seeing permit for project and whether or not clam shell scow would have 12-in grate.

Larry Smith: Assume they would implement screening on the barge scow if its clam-shell dredging and monitoring at the beach if hydraulic.

Bonnie: When would sampling occur?

Ken: Not sure yet but hopefully in April.

Melissa: EPA concurs.

Summary: Project SAP is accepted as is.

**Project #2: 10:45 – 11:30**

- 1) Project name: Santa Barbara Harbor maintenance dredging
- 2) Applicant name & Applicant affiliation: U.S. Army Corps of Engineers
- 3) Project type (Regulatory/Navigation): Corps Navigation
- 4) Corps Project Manager name: Kirk Brus (Corps Planning)
- 5) Meeting type (DMMT/CSTF): DMMT
- 6) Purpose/topic (e.g., SAP, SAPR and/or suitability determination): SAPR and suitability determination
- 7) Presentation? (y/n): Y
- 8) Documents provided (emailed or a link): Will provide documents by February 17, 2016
- 9) Time needed (45 min or more?): no more than 45 min.

Notes: Kirk: Previously the draft results were presented to the DMMT and discussed the table results but had not received a suitability determination. They have since addressed those comments. See Appendix B of the SAPR sent last week to discuss suitability determination. 19 of 20 samples found high fines. Then analyzed further. Area 2 had 5 vibracores which fit well within grain-size envelope. Material is compatible for beach placement and in the nearshore on the downcoast beach east of Stearns Wharf.

Melissa: In Table 8 of report did not see weighted average for composition A-2 as a whole.

Kirk: In Appendix B it explains the individual samples.

Larry Smith: The clay is coming from the overdepth area and a small volume. Likely will not get dredged.

Melissa: Provide estimate of volume of clay if entire overdredge was taken which would go to beach. Also provide weighted average for entire 4-5 core composite. Likely to be something much sandier.

Larry: Preliminary estimation is about 1,000 cubic yards (in Area 2) most of which would not be dredged.

Allan Ota: Table 8 is confusing and could be better organized. The footnote helps in explaining how weighted averages were incorporated in factoring weighted average of each core but estimated volumes for each layer would give a better idea of each and the small volume of fines within.

Melissa: Add that explanation to the appendix.

Kirk: Will expand discussion and add to Appendix B, conduct weighted average for each composite, and revise Table 8 format.

Melissa: Can approve after final report is revised by email.

Peter V: Will approve by email.

Larry Simon: Will approve by email.

**Announcements:**

Peter V.: How is the pneumococcal bacterial levels is it being tracked?

Kirk: Following 401 water quality certification. Providing all water quality and bacteria monitoring reports during Santa Barbara dredging operation to Paula Richter and previously to John Rohrbough, whom work in the same office (Central Coast Regional Water Quality Control Board) as Peter Von Langen

Larry: Since the bacteria readings are below levels it is recommended that bacteria sampling be removed and not included for the next 401 water quality certification.

Peter V: He would be amenable to this change for the next 401 water quality certification.

Eric Wilkins (Marine Region-CDFW-Monterey): Bill P. will not be calling in any longer, but he will.

**Project #3: 11:30 – 12:00**

- 1) Project name: Pier T, Berth T124 Maintenance Dredging
- 2) Applicant name & Applicant affiliation: Port of Long Beach
- 3) Project type (Regulatory/Navigation): Regulatory
- 4) Corps Project Manager name: Lisa Mangione
- 5) Meeting type (DMMT/CSTF): CSTF
- 6) Purpose/topic (e.g., SAP, SAPR and/or suitability determination): SAP
- 7) Presentation? (y/n): No
- 8) Documents provided (emailed or a link): SAP will be provided by March 16
- 9) Time needed (45 min or more?): 15-20 minutes

Attendees: Justin Luedy (POLB), Janna Watanabe (POLB), Kimmy C. (Corps), Melissa S. (EPA), Joe Ryan (Corp), Lisa M. (Corps), Larry Simon (Corps), Carol Roberts (USFWS), Bryant Chesney (NMFS), Shelly Anghera (Anchor QEA), Eric Wilkins (CDFW), Michael Lyons (LABoard), Allan Ota (EPA).

Notes: Maintenance dredging needed for military vessel berthing when necessary. Either mechanical or knock-down and placed in Middle Harbor. Taking one core at three stations and sediment chemistry and effluent elutriate test. Will take Z-layer and archive. Planned to test March 31<sup>st</sup>.

Carol Roberts: Will you take samples for mechanical or knockdown method?

Shelly: They will analyze for both methods next week and conduct analyses for both.

Joe: When would work be completed?

Janna: Will bring results back to May DMMT meeting to gain approval. Expects Middle Harbor will open to accept material mid-summer.

Joe: Does the knockdown extra material stay within the footprint?

Janna: Yes, it would be placed within the footprint lowspots (about -35 feet).

Melissa: In future blow up figure so bathymetry can be read.

Allan Ota: Also map stormdrains in the area.

Janna: On Figure 2 the inset shows these.

Melissa: Plan looks good.

Michael: Plan looks good.

Larry Simon: Plan looks good.

## **LUNCH BREAK 12:00 – 1:00**

### **Project #4: 1:00 – 1:30**

1) Project name: SAMPLING ANALYSIS PLAN REPORT FOR THE ENVIRONMENTAL ASSESSMENT FOR THE AMMUNITION PIER AND TURNING BASIN AT NAVAL WEAPONS SEAL BEACH, CA

2) Applicant name & Applicant affiliation: NAVAL WEAPONS STATION SEAL BEACH; DEPARTMENT OF THE NAVY

3) Project type (Regulatory/Navigation): REGULATORY

4) Corps Project Manager name: TBD

5) Meeting type (DMMT/CSTF): DMMT

6) Purpose/topic (e.g., SAP, SAPR and/or suitability determination): SAP APPROVAL

7) Presentation? (y/n): YES

8) Documents provided (emailed or a link): SAP

9) Time needed (45 min or more?): 30 MINUTES

Attendees summary: Bonnie, Cori, Bran, Neil Navy, Jullian, Jasmine, Don Crab public works, Threesa EA, Derek L Rincon, Joe Ryan, Kimberley Clements, Karen Waller – contractor, Allan Ota, Larry Simon, Carol Roberts, Marc Brown Santa Ana, Scott S Navy ammunitions command, Bryant Chesney NOAA, Melissa, Lisa B navy, David Moore Ramble Environ SAP, etc.

Jasmine (Facilities Planner): Preparing EA for construction of new pier and turning basin expansion, aligning for maintenance dredging (within next two years).

Joe: Describe causeway. Label causeway.

Jasmine: Built-up road way. Would create new channel for access to marina.

David Moore: Will sample to -9 MLLW and z-layer and archived.

Carol Roberts: DMMU-9 is not split as upland and water portion cores. In addition to DMMU-10 needs to be split.

David Moore: Will split DMMU-9 & 10. If any sediments fall out will be tested for Tier III for proposed ocean placement suitability. If those tests are not met, then would be sent for upland disposal.

Larry Simon: Why are all sampling sites in eastern half for DMMU-8 and DMMU-7?

Jasmine: Sampling indicates areas they are targeting since those elevations are highest.

Larry Simon: The Central area is not being sampled.

Navy: The central areas are around -9MLLW. The holes are around -39 MLLW.

Joe: Would any deepening occur?

Navy: No deepening would be conducted. The area is -39 MLLW or shallower.

Cori: The data is only good for 3 years and since last dredging sampling was in 2009, there may be some sediment movement.

Jasmine: Expects maintenance dredging would be needed every 6-7 years.

Melissa: If maintenance will not occur for some time, future testing would likely be needed at that time. Are any of the areas past fill (man-made)?

Jasmine: The beach areas and dunes include both man-made and accumulated natural sediment.

Allan Ota: If the material is old fill, we need to know where material originally was derived.

Melissa: Need to know before conducting sampling because if its old fill it would be excluded from offshore placement.

Joe: Will look into to see if Corps has original drawings from 1940's. DMMU-10 may be natural.

Cori: Larry Smith provided comments which were integrated into this version.

Melissa: Proposes adding core to DMMU-9 because it's a large volume. On Table 13 Bioassays, there are 5 organisms set for each replicate but it should be 10 organisms.

Joe: For habitat creation and BN sites, what sites are proposed?

Jasmine: Surfside or Sunset, or East Beach on Seal Beach.

Joe: Propose plan view of proposed beach sites.

Cori: Compile data from all existing data at those sites to compare to proposed sediment for compatibility.

Joe: With the causeway creating a new physical barrier, has modeling been done of tidal flow to Seal Beach wetlands.

Carol Roberts: Will the sampling approach work for the entire suite of alternatives you would consider? It seems premature.

Theresa: Scoping was posted March 8<sup>th</sup> and public meeting April 7<sup>th</sup>.

Cori: Will you be inviting the Corps to participate?

Theresa: Yes, will request.

Larry Simon: There are two alternatives that have areas outside the proposed areas so the sampling will need to be expanded for those.

Cori: Corps regulatory application has not yet been submitted.

Larry Simon: The SAP looks like it is for the proposed ammo pier but it is more for maintenance dredging. Okay with current sampling locations.

Summary: David will revise SAP and address comments. Final approval before sampling is conducted.

**Project #5: 1:30 – 2:15**

- 1) Project name: Port of Los Angeles Berths 121 - 131 Terminal Redevelopment Program
- 2) Applicant name & Applicant affiliation: Jin Kim/Kathryn Curtis, Port of Los Angeles
- 3) Project type (Regulatory/Navigation): Regulatory
- 4) Corps Project Manager name: Theresa Stevens
- 5) Meeting type (DMMT/CSTF): CSTF
- 6) Purpose/topic (e.g., SAP, SAPR and/or suitability determination): SAP review

- 7) Presentation? (y/n): Y  
8) Documents provided (emailed or a link): SAP provided.  
9) Time needed (45 min or more?): 45 minutes

Attendees: Patrick Kinney Kinnetic Laboratories, Stuart Fricke (POLA), Richard Mast (AECOM), Kimmie (Corps Planning), Theresa Stevens, Carol Roberts USFWS, Larry Simon, Allan Ota, Melissa Scianni, Michael Lyons, Kat Prickett POLA, Joe Ryan.

Stuart Fricke: Older terminal proposing redevelopment to modernize it in two phases. The EIR process has started.

Richard Mast: Project includes redevelopment and modernization of Berths 121-131 terminal facilities. This requires removing existing wharfs and rebuilding of 2,660 linear feet of wharfs, a small 2.1 acre fill, and removal of a piece of land (3.9 acres) to widen area for navigation. Phase I includes demolition of container wharf, excavate and dredge slopes and rebuild a new slope and 1,260 lf of wharf, scheduled start beginning 2018. Phase II would demolish wharfs, dredging and slope excavation, cut of 3.9 acres of land-fill to widen entrance into West basin, and fill of 2.1, construction of 1,400 lf new berth. Planned start beginning 2020.

Theresa: Would dredge depth at both wharfs be taken down to -53 MLLW? Answer: Yes.

Pat Kinney: The land-side sampling area has to be sampled using borings and the offshore area will be sampled by vibrocore. Vertically there are soils above the water and sediments underneath that are to be removed. Phase I and II have different composites. The bathymetry is rather flat because it has previously been dredged under the POLA channel deepening project. The materials underneath the existing terminal are expected to be predominantly coarse grain material since these were historically placed from other dredge sources to create a suitable landfill. On top (above +4.5' MLLW) is a soil layer. The offshore revetment requires a key to tie the rock dike into the subsoils. This new key will go down to elevation -58 ft. The top soils (above +4.5' MLLW) are not eligible for ocean disposal. The onshore sediments in Phase I and II are the largest dredge/excavation volumes. First option is to reuse sediments if possible and reuse on-shore sediments for on-site fill. If those do not work it is planned to conduct Tier III testing. Off-shore sediments have had a history of past contamination, but those sediments were removed as part of the previous Port of Los Angeles channel deepening project. They plan to sample many cores in more details for potential offshore placement. Possibly modify SAP now for future potential for Tier III sampling.

Melissa: The naming convention for sampling of the composites is inconsistent making it very confusing what cores go with what composites. Not sure which composites are being tested for each option.



Pat Kinney: Table 6 of SAP lists all cores and borings.

Melissa: So use that naming convention on figures in text. Need a figure showing everything with correct name and legible bathymetry, possibly zoomed in inserts.

Richard Mast: Additional clarification will be added, inconsistencies removed from report, and enlarged figures provided.

Richard Mast: We can investigate adding one additional boring in the center but it's difficult because there are many terminal structures in that area.

Allan Ota: What is the origin of the fill material in the terminal? The material must be compatible for ocean disposal.

Richard Mast: The terminal was constructed/reclaimed in 1960's and 1980's. Fill includes armor stone and quarry material for which the intent is to reuse those materials. Clarification to the origin of the materials will be incorporated in the report.

Melissa: Instead of using 'ocean fill' and 'marine fill' use 'ocean disposal' for designated sites and 'confined aquatic disposal' and 'upland'.

Richard Mast: Intent is placement in CDF and ocean disposal.

Pat Kinney: Boring BH-02 was placed in order to get a sample of the proposed revetment site at - 58 feet, where future rock dike 'key' would be placed.

Carol Roberts: One place where sampling will not occur is within the current fill area, so need documentation of this fill behind revetment regarding fill source.

Allan: In biological testing for Tier III, Table 11 lays out test organisms but want to see more details in tables for individual tests such as test organisms per replicate and number of replicates.

Pat Kinney: Details will be included.

Kat Prickett: How will phasing be conducted and the sampling types.

Stuart Fricke: We plan on investigating the initial chemistry, and if the results are promising proceed with Tier III testing for Phase 1 materials. If the results for Phase 2 are promising, those materials would be considered for a future Tier III testing.

Melissa: Revise SAP to explain plan for each composite area and timing. If the revised version comes back and it is very clear, it could be done over email, but may be good to plan to present again at the DMMT.

Stuart: Okay with returning to DMMT.

**Announcement:**

Stuart Fricke: County is looking for clean sandy beach material for the Outer Cabrillo Beach outside breakwater on San Pedro side.

Allan: There is a project in San Elijo Lagoon to dredge channel in lagoon.

Carol: Everyone is looking for sand in SoCal.

**Announcement:**

Stewart: The Outer Cabrillo Beach outside breakwater on San Pedro side. Looking for clean sandy beach material.

Allan: There is a project in San Elijo Lagoon to dredge channel in lagoon.

Carol: Everyone is looking for sand in SoCal.

- Agenda POC: Bonnie Rogers
- SC-DMMT materials are available at:  
<http://www.spl.usace.army.mil/Missions/Regulatory/ProjectsPrograms.aspx>.
- Please arrive no more than 10 minutes prior to your scheduled meeting start time.
- Check in with our security office on the 11th floor. Once there, security will call the following person(s) to escort you to the meeting room. Elizabeth Thomas.