

**Notes for February 23, 2022**  
**Southern California Dredged Material Management Team (SC-DMMT) Meeting**  
US Army Corps of Engineers - Los Angeles District

**Roll Call and Announcements: 10:00 AM**

**Attendees:**

Deanna Cummings, USACE  
Tiffany Armenta, USACE  
Kirk Brus, USACE  
Jorge Tomas, Pacific Dredge and Construction  
Amanda Canepa, CDFW Marine Region  
Peter von Langen, Central Coast Water Board  
Allan Ota, US EPA R9  
Amanda Wagner, USACE  
Kymberly Howo, USACE  
Ken Kronschnabl, Kinnetic Environmental  
Larry Smith, USACE  
Natalie Martinez-Takeshita, USACE  
Lilly Schaffer, USACE  
Loni Adams, CDFW  
Victoria Jurado, USACE  
Blake Horita, USACE  
Jeremy Smith, CCC  
Joe Ryan, USACE  
Dan McCoy, Weston Solutions  
Susie Ming, USACE  
Doland Cheung, USACE  
Melissa Scianni, US EPA R9  
Luis Sepulveda, USACE  
Christopher Webb, Moffatt and Nichol  
Maher Zaher, Santa Ana Regional Water Quality Control Board  
Jacquelyn Chung, CPS Consulting  
Ashley Olmeda, LA Regional Water Quality Control Board  
Jerry Hidalgo, USACE  
Walt Deppe, CCC  
Antal Szijj, USACE  
Brent Mardian, PI Environmental  
Christopher Potter, CDFW  
Gerry Salas, USACE  
Mark Golay, USACE  
Chris Miller, City of Newport Beach  
Bryant Chesney, NMFS  
Chris Hayward, USACE  
Claudia Tenorio, Santa Ana Regional Water Quality Control Board

Carol Roberts, USFWS  
Terri Reeder, Santa Ana Regional Water Quality Control Board  
Mandy Revell, CCC  
Miriam Yemane, USACE

**Project #1: 10:00 – 10:45 AM**

- 1) Project name: U.S. Army Corps of Engineers (USACE) Santa Barbara Harbor Sampling and Analysis Plan (SAP)
- 2) Applicant's name & affiliation: Kirk Brus (presenter), USACE CESPL Planning Division
- 3) Project type (Regulatory/Navigation): Navigation
- 4) Corps project manager who will attend: Blake Horita
- 5) Purpose/topic (draft SAP, revised SAP, SAPR): Draft SAP
- 6) Request for suitability determination? (y/n): No
- 7) Documents provided (emailed, or FTP link): Email
- 8) Time needed (15, 30, 45 min?): 45 minutes.

Brus – (Presentation and Overview going through the USACE Santa Barbara Harbor February 15, 2022 SAP).

Discusses SAP is in support of the USACE operations and maintenance (O&M) Federal dredging navigation program, and SAP is to be part of a USACE new 6-year Environmental Assessment (EA). Santa Barbara Harbor federal channels has been dredged for the past 27 years (1996 to 2022). Dredging typically occurs twice (two different times) a year. Over the past 27 years on average approximately 309,300 cubic yards per year of material has been available to be dredged.

East Beach Placement Area Shown – East Beach Placement Beach Profile Sampling Transects (A, B, and C) shown. 8 grab samples to be collected along each Transects, sampling at depths of +12, +6, 0, -6, -12, -18, -24, and -30 ft MLLW, for a total of 24 grab samples that will be tested/analyzed for grain size.

Federal Channel Dredging Areas shown as figures which include the target depths and vibracore sample locations for 2022 SAP. Each area will be dredged and sampled to include a 2-foot overdepth from design depth.

- Area 1: design depth of -20 ft. MLLW, with 5 proposed vibracore locations to be sampled (and dredged) to -22 ft. MLLW;
- Area 2 design depth of -35 ft MLLW, with 5 proposed vibracore locations to be sampled (and dredged) to -37 ft. MLLW;
- Area 3 design depth of -28 ft. MLLW, with 4 proposed vibracore locations to be sampled (and dredged) to -30 ft. MLLW;
- Area 3R design depth of -20 ft MLWW, with 3 proposed vibracore locations to be sampled (and dredged) at -22 ft MLLW;
- Area 4 design depth of -15 ft MLLW with 3 proposed vibracore locations to be sampled (and dredged) at -17 ft MLLW.

Testing - A total of five (5) area composite samples will be created from the five (5) Federal dredge channel areas and would be analyzed for bulk sediment chemistry. One composite sample will be created from each Federal dredge channel area. Geotechnical samples gathered from vibracores and beach transects will be tested for grain size distribution. Results will be used by USACE (LA District) to perform physical beach compatibility analyses between the dredged sediments and the receiving beach. Results of the testing will be compiled into a draft SAPR that would be presented at a future date to the SCDMMT for review and comment.

Summarized 2015/2016 SAP results (SAPR) – Based on the high sand content and low levels of contaminants found, the report concluded that all of the Santa Barbara Harbor federal channel sediments were physically compatible for placement directly on the beach and/or in the nearshore area of the downcoast beach.

Summarized 2009/2010 SAPR – The Santa Barbara Harbor sediments sampled in 2009/2010 consisted primarily of sand and only low levels of contaminants were evident. Based on the high sand content and low levels of contaminants found, these sediments were determined to be acceptable for beach replenishment.

Discussed location of fuel dock and sanitary pump out facilities next to the commercial wharf. Stated there are no major storm drains that enter the Harbor, and the harbor only receives localized runoff from areas immediately surrounding the harbor. Identified on Figure 4 fuel dock and discussed stormwater discharge points to the Harbor.

## END OF PRESENTATION

From chat: Joe Ryan - SPL-EDD-C responding to Allan Ota. Rationale for the different design depths is to accommodate the shoaling pattern that occurs at Santa Barbara. Sand moves off the breakwater sand spit into Area 2 and Area 3, so we have a deeper design depths in Areas 2 and 3 to maintain a safe navigation channel between dredge events.

Ota: Basically, these are acting as sand traps... areas 2 and 3 appear to have the highest volumes to be removed... makes sense!

Ota: PAHs attributable to fuel dock? Highest concentrations seem to be in Area 4. Accumulates along shoals in 2, 3. No mention of spills related to Santa Barbara Harbor in SAP. Monitoring for accidental spills (from fuels; cargo; solid materials) occurs in the harbor. When will this be addressed?

Brus: Current 6 year EA looks at spills in harbor area and a new USACE 6 year EA will address spills in the harbor area.

Kronschnabl: Didn't specifically look into any spills, but can address in the report.

Brus: Allan, do you want spill planning in the SAP? Or actual spills that have occurred?  
(Spills that have occurred)

Allan: For most harbors they monitor for accidental spills (predominantly fuel) but there could be other types of spills associated with offloading of cargo, and spills could be solid or liquids. Is hoping that there are records available through the harbor.

Von Langen: SAP looks good. Sand looks compatible with dredge material. Previous spills in the waterfront in Area 4 discharge in maintenance yard and spills were addressed. Santa Barbara Harbor has permit information on spills and would have records on spills.

J. Smith: CCC has no comments.

Brus: Will add recent recorded spills.

Natalie: Will get spill info for SAP, she has been coordinating with the Santa Barbara Harbor Waterfront Department on the USACE Santa Barbara Harbor O&M Federal dredging and she will coordinate with Santa Barbara Harbor Waterfront requesting information on recent and current spills to include into the SAP.

Brus: Will add spill info, send revised SAP via email for final approval.

**Project #2: 10:45 – 11:15 AM**

- 1) Project name: San Diego County, CA Project (Encinitas/Solana Beach) borrow site SAP
- 2) Applicant's name & affiliation: USACE Planning
- 3) Project type (Regulatory/Navigation): Planning
- 4) Corps project manager who will attend: Larry Smith/Lillian Schaffer
- 5) Purpose/topic (draft SAP, revised SAP, SAPR): Draft SAP
- 6) Request for suitability determination? (y/n): N
- 7) Documents provided (emailed, or FTP link): Emailed
- 8) Time needed (15, 30, 45 min?): 30 minutes

Smith: Purpose is testing borrow site for Encinitas/Solana Beach placement.

Kronschnabl: Proposed borrow site is SO-5, purpose of SAP is to confirm the presence of beach quality sand. 2008/9 SANDAG sampling. Also 2014,16,18 additional sampling and analysis. See presentation/plan for results. Sample 15 locations to a depth of 15 feet below sed surface. Two composites from these. Also sampling at receiving beaches. If elevated concentrations are found, then individual analyses will be conducted on archived samples. See SAP for bulk sediment analyses and chemical constituents to be analyzed.

Ota: This borrow site has been the receiver site for San Elijo Lagoon restoration. Sand was finer grained. Site seems to have been getting finer over time. No other comments.

Smith: CCC wonders if there are any past grain size envelope for receiver sites other than what's in the SAPR.

Smith/Ming: USACE is not aware of any other data than in the 2008 initial study but will look into it.

Adams CDFW: Beach material from lagoon dredging currently being placed on Cardiff State Beach south of the San Elijo Lagoon mouth. The dredged material was coming from San Elijo Lagoon.

From chat: Alan Monji. San Diego Water Board for item #2. I have no objections with proceeding with SAP

No objections to proceeding forward with plan.

**BREAK: 11:15 – 11:20 AM**

**Project #3: 11:20 – 11:45 AM**

- 1) Project name: Frieden Proposed Dredge Project
- 2) Applicant's name & affiliation: Jacquelyn Chung, CPS Consulting
- 3) Project type (Regulatory/Navigation): Regulatory
- 4) Corps project manager who will attend: Miriam Yemane
- 5) Purpose/topic (draft SAP, revised SAP, SAPR):
- 6) Request for suitability determination? (y/n):
- 7) Documents provided (emailed, or FTP link): Emailed
- 8) Time needed (15, 30, 45 min?): 15 minutes

Chung: Project intro – Frieden proposed dredging site with DDT. Bringing project to DMMT to obtain approval for sampling. Core samples at 13, 14, 15 ft for DDT analysis. Trying to find clean Z-layer.

Scianni EPA: Suggest make composites from first sampling event and have lab archive them after the appropriate depth is determined.

Ota EPA: Concurs with Melissa, using the sampling to mimic the depths that dredging occurs.

Scianni: Please prepare a complete SAP.

Wagner: Send SAP to me.

Scianni: Depends on whether DMMT wants to review the plan. Also, reporting limits in lab analyses are higher than appropriate. May be necessary to have meeting with lab and agencies.

Wagner/Cummings: Will set up separate meeting with the lab.

Scianni: This project should move forward with lab as needed.

Chung: Will prepare SAP and provide to DMMT. Would prefer to see if can meet terms/conditions of new RGP 54.

Yemane USACE: will determine permitting pathway once SAP implemented.

Ota EPA: Please include map of project area with dredge footprint, core locations based on depth soundings

**Project #4: 11:45 – 12:00 PM**

- 1) Project name: Ventura Port District Maintenance Dredging Project
- 2) Applicant's name & affiliation: Derek Lerma & Richard Parsons (Rincon Consultants Inc.) on behalf of Ventura Port District
- 3) Project type (Regulatory/Navigation): Regulatory
- 4) Corps project manager who will attend: Antal Szijj or Gerardo Hidalgo
- 5) Purpose/topic (draft SAP, revised SAP, SAPR): Draft SAR review and approval
- 6) Request for suitability determination? (y/n): Yes
- 7) Documents provided (emailed, or FTP link): Draft SAR, emailed
- 8) Time needed (15, 30, 45 min?): 15 minutes

Lerma: Sampling conducted November 2021. Two components, inner harbor dredging and deposition of dredged material. Results and elevated constituents were consistent with previous events. Dredge mgmt areas A-F. See slides for background information. Most dredging necessary is within Area A. Most material comes from Arundell Barranca. See SAR/presentation for analytical and grain size results. Consistency with previous testing and results suggests the dredged material can be placed at Vta River mouth.

Scianni: Area A only?

Lerma: Area A has historically had the need. Development project at the Harbor will also likely require dredging in areas B and E.

Scianni: Concerned about DDT results in other areas that are getting close to ERMs. Able to give suitability determination for Area A but other areas may need biological testing. It may be possible to combine different areas together for biological testing, but we would need to look at chemical concentrations, grain size and organic carbon content for analyses before deciding.

Lerma: Full site testing done to provide flexibility.

Parsons: Port would want to be able to dredge C and B

Scianni: Provide past biological testing results associated with DDT results.

Ota: Concur with Melissa, 10-day bioassay to determine bioavailability would be appropriate. Could also review results against human health criteria. Placement options – placing fine-grained sediments on beaches is not necessarily allowed. Create sand berm in upper beach, and depositing fine-grained above berm and then mixing.

Lerma: The deposition method is correct. Report will be provided to Corps tomorrow. Would like to keep the options open to dredge A, B, and C. Will provide past results comparison and 10-bioassay to DMMT.

Scianni: Look for individual core DDT levels to see whether those locations could be avoided.

Lerma: Will resubmit.

Deppe: Having internal discussions about berm.

**Project #5: 12:00 – 12:15 PM**

- 1) Project name: Ventura Keys Maintenance Dredging Project
- 2) Applicant's name & affiliation: Derek Lerma & Richard Parsons (Rincon Consultants Inc.) on behalf of City of Ventura
- 3) Project type (Regulatory/Navigation): Regulatory
- 4) Corps project manager who will attend: Antal Szijj or Gerardo Hidalgo
- 5) Purpose/topic (draft SAP, revised SAP, SAPR): Draft SAR for review and approval
- 6) Request for suitability determination? (y/n): Yes
- 7) Documents provided (emailed, or FTP link): Draft SAR, emailed
- 8) Time needed (15, 30, 45 min?): 15 minutes

Lerma: Project background. Connecting channel, channel 2 and deposition. Current results consistent with results dating back to the 90s. See map for sampling locations. See report for analytical results.

Scianni: Might be best to have technical chlordane calculation – will touch base with Ota and provide references. Might also look at individual core analyses to determine if there is a spot location with elevated chlordane.

Lerma: alpha and gamma chlordane are the bioavailable?

Scianni: Not sure, but will provide more information. Once we look at technical chlordane we can determine need for additional analyses/way forward.

Ota: Another option would be to run a 10-day bioassay.

Scianni: Will include DMMT on chlordane information and recommendations.

## **LUNCH BREAK: 12:15 – 1:15PM**

### **Project #6: 1:15 – 2:00PM**

- 1) Project name: City of Newport Beach – LNB CAD Construction Project
- 2) Applicant's name & affiliation: Chris Miller, City of Newport Beach
- 3) Project type (Regulatory/Navigation): Regulatory
- 4) Corps project manager who will attend: Gerry Salas
- 5) Purpose/topic (draft SAP, revised SAP, SAPR): Review of BMPs during CAD construction
- 6) Request for suitability determination? (y/n): No.
- 7) Documents provided (emailed, or FTP link): Emailed.
- 8) Time needed (15, 30, 45 min?): 45 min

Gale: Project background. Comments from EPA during PN period prompted meeting request. Consolidated BMPs, EIR included federal channel.

Scianni: 404 permit will cover BMP for the pit itself, not construction of pit.

Gale: OM permitting will be done separately. Was included in CEQA though.

Scianni: CEQA document restrictions would affect how Corps does OM dredging. Wants to know how requirements would get incorporated.

Smith: Corps has discussed BMPS and is agreeable to committing to do the BMPs.

Scianni: Including tidal cycle timing?

Smith: Yes. Placement is by barge, so can arrange to wait for placement as needed.

Scianni: Who would decide if a BMP is necessary – is there a decision making framework?

Smith: Combination of Corps standards and requirements from Water Board, to address exceedances as needed. Some monitoring is above and beyond Corps normal, but those requirements would be emplaced by Water Board anyway.

Ota: Might help if the project is divided into CAD and federal channel (clarification with project responsibilities: construction vs. placement (Corps) vs. placement (City) and placement phases.

Gale: Will address.

Smith: EA being prepared at this time for publishing soon. And will include formal suitability request for those materials.



Scianni: Funding for both suitable material and material for CAD as well as small amount of additional dredging? Will the Corps be requesting ocean disposal only for the material that EPA has already agreed is suitable for ocean disposal?

Smith: In the EA, the Corps will ask for ocean concurrence by EPA for the material that EPA and Corps have agreed is suitable for ocean disposal. The Corps will also request EPA agree with the suitability for material proposed for placement in CAD.

Scianni: conducting some of the monitoring multi-times/week and then reducing may be ok if the more contaminated material is removed first. First two weeks may not be most representative.

Cappellino: Good comment, intent is to dredge contaminants first. Will work with Corps to implement in project.

Scianni: Need for additional monitoring for DDT? Would defer to RWQCB as part of permit process. Sweeping material back into CAD?

Gale: Has occurred at other sites, keeping in plan on as needed basis.

Scianni: As needed items will be addressed by Corps and City as part of permitting process?

Gale: Will share data during construction and EPA, Board can recommend as needed implementation as needed.

Ota: Model prediction falls into 6-inch model prediction range?

Gale: Model creates a target with 75-foot rings; predicts that material that could fall out of hole is 2-3%. If there's measurable mounding outside the hole, contractor will be instructed to do sweeping. Capping extends to fringe of hole, as well.

Scianni: How long CAD can remain open after capping?

Gale: Interim cap, then 2 year hiatus, then 6 months before final cap is placed. Next step:

Reader: How long will the Cad excavation and dredging take (about a year). Proponents understand Newport infected with Caulerpa and protocol surveys will be required.

Gale: the compliance with Caulerpa protocol will be during 6 month period and will use new protocol. Will reformat BMP document to address EPA comments and will recirculate.