

Meeting Summary

Coastal Sediment Management Workgroup Meeting

April 20, 2016

Location: **USACE, 1455 Market Street, Lobby Conference Room, San Francisco, CA**

USA Toll-Free: 877-336-1829

Access Code = 2322795

Security Code = 1111

Webmeeting:

<https://www.webmeeting.att.com>

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Action Items for the Next Meeting:

- 1. Discuss implementation funding for RSM and ideas to get it going (David and all)**
- 2. Funding opportunities for unsolicited sand resource assessment proposal (BOEM) status**
- 3. Updates on Eureka RSM and other RSM plan status (David, John, Clif)**

9:35 Welcome and introductions (Chris Potter and Anne Sturm)

9:45 Review of meeting minutes and action items from previous meetings (Megan Whalen and Chris Potter)

Chris P., Clif D., Brian Haines, Heather S., Susie M., John D., John Carlin, Lisa Gentry (BOEM P.-three total) , John Warrick, Leslie Ewing (CCC),

9:45 Review of meeting minutes and action items from previous meetings (Megan Whalen and Chris Potter)

January Meeting Summary

-Item 1 Implementation Funding (David): Willing to discuss funding of implementation of RSM and ideas.

-Item 2 (Leslie) Sand/recreation mitigation: Discussion of Solana Beach and the low recreation (\$17 vs. \$35), habitat was not really considered in the study (Leslie). Funding for the study came from NOAA and involved Academics and CC staff. The report was given to NOAA as an administrative draft. David C. further mentioned that other groups (homeowners) thought that the value was too high, but Surfrider thought that the value of \$17 was still too low. A comment to the City of Solana Beach was to look at this. The city also adopted the study at their city council.

-Item 3: Still not aware of an example that meets this. Aramburu Island (Richardson) Peter? Section 227 USACE Project at Newport Beach in Oregon (Jonathan Allen could present on this). Also, south jetty of Columbia River is an example of this. Also East Bay Parks (Tom Kendall) is an example. Hunter's Point (Sierra Club) is a future project.

Aramburu Island - Richardson Bay Audubon Center and Sanctuary project:
<http://richardsonbay.audubon.org/conservation/aramburu-island>

-Item 4: Data is still coming in, could CSMW post the data? It has been difficult to get from contractor or NOAA digital codes? Anne will find out what the status is and send email to CSMW.

February Meeting Summary

- 60 permit related actions, mostly Southern Cal, only 2 in Northern Cal
- SLOCOG adopted RSM Plan on April 6 (?). This will make it possible for SLOCOG to seek grant funding from the state.

10:10 Discussion: CSMW developing and submitting an unsolicited sand resource assessment proposal to BOEM. (Chris Potter and John Smith)

- Anne/Chris: Discussion of BOEM studying this in the future, but currently the concept of considering a proposal from USGS, USACE and others. 300-500k (several sites or intense on one site for OSC, funding can be divided) with a match from other agencies would be ideal to fund the proposal and multi-agency effort (in-kind services also an option). East Coast example of Sandy Surveys/Studies. Identifying priority sites; this would be a great opportunity for RSM and CSM. San Diego could also be studied, as they are in need of large amounts of sand (20 million yards of sand), LA County has identified other areas. BECA's could be looked at as a way to start identifying places to focus on. Federal Waters boundary limits 10-15 miles from placement areas and established constraint, also a depth requirement (technology available to us now) of 100-130 feet (Jones Act prevents British Dredge ships from coming over to do the work). Anne mentioned that with Sea Level Rise, it is likely that we will look at this in the future. David also discussed looking at ways to evaluate this. USGS (John Warrick) would like to look at this and develop a proposal. Increases in funding will encourage this activity to happen now. Chris said that there are funding opportunities that need to be looked at now, have a call within the next month. Leslie would like to caution looking at 300 feet sites as the first place to look to sediment. Deeper dredge sites have created anaerobic and dead conditions on the sea floor, and were underestimated in the past. All of the impacts need to be analyzed (excluding sanctuaries), and a wave study may not be sufficient by itself. Cost implication and technical discussion would be part of analysis.

The BOEM website provides an overview of the program: <http://www.boem.gov/Marine-Minerals-Program/>

10:25 Presentation and discussion: Recent Changes in Sedimentation along the Monterey Bay Continental Shelf: How Do Alterations to the Coastal Zone Influence Sediment Offshore (Joe Carlin, Assistant Professor, Cal. State University, Fullerton)

- Starting research program that aims at using science to better manage the Coast; includes estuaries, sand shelf and the coast.
- Monterey Bay project objective: Look at modern sedimentation (150 years) through sampling and core logging. Sand has been more present in sediment over fine grains, and El Nino has a big impact because it moves sediment with higher energy. Urbanization and coastal erosion has contributed to the acceleration of sand moving from coastal areas into the ocean off-shore.
- Why increases in sedimentation rates? Coastal erosion has increased and moved to the mid-shelf, more so cliff than beach erosion. Also, agricultural use may have an impact, but it should have showed up earlier.
- Wave energy is a factor in PDO increase, we could see a subtle shift in sand moving off-shore.
- Completeness of the core?
- Seismic activity would be valuable to look at and compare it to warm/cool periods. Sea Level Change combined with El Nino, and other factors need to be examined, along with sand mining in the area.
- All cores are north of the canyon (sand mining is SOUTH of the canyon).

- There is a large volume of material at Ana Nuevo (John D.). Is the PDO in the warm phase made worse (increase) due to SLR?
- Any other relevant work (Chris): Salt marsh research at the Seal Beach wetlands, looking at vegetation and changes over time. Chris mentioned that they should look into working with the Southern California Wetlands Recovery Program.

11:15 Presentation and discussion: San Luis Obispo Coastal Regional Sediment Management Plan (David Canon, Everest Consultants)

- Everest Team worked on Technical/Environmental, Environmental (Merckel- L.-Honma), and Economics (King) along with USACE Plan Formulation (John D.), SLOCOG (Steve D., and Geoffrey C.) outreach/logistics, and write up for the plan and comments integration.
- Adopted in less than one year, the RSM Plan will be final by the end of the month (April 2016).
- Primary purpose is to identify coastal erosion sites, sediment sources, critical species and habitats, physical processes, and permitting requirements. Economic data became less of a focus for this plan.
- Two issues: The degree to which RSM related to navigation (Port San Luis- only 250k permitted, but only funding for 25k cubic yards) and to what extent it can be re-used for beach re-nourishment. Major comment was to look at Port San Luis more closely for its direct and indirect economic drivers in the area.
- Setting: SLR and impacts on beaches became more relevant as the plan development went forward and stakeholders were able to provide recommendations.
- Upland Sediment Sources: May be needed in the future, but significant areas were not identified. Coastal sediment sources in Morro Bay and Port San Luis, future cliff erosion could provide sand to the beaches in the future.
- RSM Measures: Armoring, setbacks, beach nourishment, stockpiling, managed retreat. Also CCC Seal Level Rise guidance used. LCP updates could incorporate SLR adaptation.
- Localized flooding was noted in the area due to lagoons backing up from increased tidal activity (El Nino).
- RSM actions: One or several could be used at locations (site specificity also a factor), additional effort is needed to decide if they should be used. Severe erosion at Cayucas was not identified by stakeholders, severe was stricken from the report.
- Sand Retention at Port S.L.: Sand groin could be used to trap sand and recycle to Avila Beach.
- Using 25k cu yards to Pismo would require greater transportation costs.
- 250k cu yards "legacy sand" could be a potential project.
- Crest elevation dropping on breakwater, an opportunity to modify it to include sediment movement.
- Ways to use or modify the sediment management plan to use on beaches. Currently, USACE does not dredge Port San Luis.
- Any discussion on Avila Beach plume and any potential impacts?
- SLR adaptation and strategies:
 - Update of Santa Maria sediment budget
 - Development of local SCOUP
 - Coastal setbacks
 - Stream floodplain setbacks
 - Support for agency managed areas
- Implementation and governance structures: Policy advisory committee and stakeholder advisory committee.
- Funding opportunities will be looked at as they arise
- Next Steps: Outreach facilitation today (April 20, 2016), wrap up with appendices and support will conclude at the end of May 2016. SLOCOG was instrumental in getting this done so quickly.

12:00 Agency updates

- Federal: May 24, 2016 meeting for Pillar Point Harbor (is interested in putting sand on the beach and have applied for a grant. A CAP Study did not previously determine that is was economically justifiable.

USACE Request from SPL to CCC on San Diego Shoreline permits, Leslie will follow-up with Heather.

East San Pedro Bay- Held scoping/outreach meeting on April 6 and 18, high level of participation, PDT is working to develop measures and meet the alternatives milestone.

- State: Leslie/CC- The CCC is looking for a new Exec Director. Brown Sea wall still being discussed, used to protect private property. SLR will be looked at (AB2800) by state and require CalTrans and other State infrastructure agencies to design with this in mind. Enforcement action will probably be discussed at the CCC in the summer and will be a closed session.

Chris: Confident that LCP discussion will be broadened. BOEM proposal could be re-packaged to address issues in other communities (Pacifica and others) and Chris will be working with John Keener, elected, City of Pacifica).

Chris Hewitt: has been working on most dredge projects along the CA Coast. Working to expedite projects as to not affect commerce. Has reminded CNRA management that comments are due for SLO RSM Plan now.

- Other: Brenda-submitted administrative draft on Feb 29, no comments received yet from grantor (CA Boating and Waterways), BEACON format followed more closely. Plan is have document sent to smaller CSMW group for comments. Sand mining companies are required to study impacts on dewatering and benthic communities. Management questions and research will be in progress. Bay Area contingency have been working on legislation to require USACE to reuse sediment (changing federal standard). Tom mentioned that we may be able to work on setting funding aside for this purpose.

12:25 Confirm date, location, and agenda for future meetings

- **Dates and topics for future CSMW meetings (Chris Potter)**

Announcements: *Next CSMW meeting is May 25, 2016**

12:35 Adjourn