



**CSMW Meeting Minutes
17 FEBRUARY 2010
9:30 AM – 1:30 PM
SF DISTRICT**

MEETING FOLLOW-UP ITEMS:

- ✓ **CSMW:** Next meeting Wednesday, March 24th in San Francisco (USACE Conference Room); call-in info will be provided.
- ✓ **Doug George:** follow-up with Susie/Heather on FEMA funds for Scripps and/or Santa Cruz County.
- ✓ **Jim H:** to provide Chris w/ comments on new CEQ Recreational Guidelines.
- ✓ **Chris** will reconvene the PPR sub-committee to discuss the RSM Top Ten Recommendations
- ✓ **Susie/Heather** will reconvene the Corps' PPR sub-committee to discuss the Top Ten RSM Recommendations to discuss Federal actions.
- ✓ Meetings are now on the 4th Wednesdays of each Month.
- ✓ **Clif:** Put info on the CSMW Website regarding the Biological Impacts Analysis (BIA) Workshops.
- ✓ **Chris** will talk to Brian about holding a BIA Workshop in Eureka to cover Northern California.

Still Pending:

- ✓ **Heather and Chris?** Letter to the CERB outlining the progress that has been made on LIDAR project. PENDING.
- ✓ **George and Brian-** look at existing PPR draft and give comments (Chris will make sure Brian looks at it) – PENDING.
- ✓ **CBRs/CBECS/CBEAS** – Natural Resources Agency (**Chris**) is seeking Governor's office approval to release the report to the public. PENDING.

❖ **Workshop Agenda**

- Provide updates on USGS's Tijuana Sediment Fate Transport Study, OPC's Coastal LIDAR Survey, current USACE projects, and the Biological Impact Analysis Regional Meetings.

❖ **Welcome & Introductions – George Domurat**

❖ **Update: Tijuana Study – Jon Warrick, USGS**

- Jon Warrick provided an update on the status of the Tijuana Fate Transport Study.
- The project has involved a large group of people and is aimed at evaluating the environmental impacts associated with placing sediment with a relatively high percentage of fines into the nearshore

- Tijuana Estuary has debris basins which capture sediment so it won't fill with material. This sand is clean with about 40% fines. The study placed this material on the beach by trucks.
- An access road to the placement site previously collapsed, stalling the project in 2008, and then the Bond freeze prevented the project from being completed in 2008.
- The initial goal of the study was to place 60,000 CY, because of funding and weather delays, placed 10KCY in 2008 and 35KCY in 2009.
- Data Highlights: Surfzone turbidity shows only silt and clay are present. Distribution data will show how the sand distributes.
- Sand was placed on the beach in the same nearshore location for each placement. Dumping from a moving truck was experimented but they placed in the same spot.
- Fine sediments last only ~1/2 hr in the surf zone before settling.
- During south swells material disperses toward the beach.
- Data is available for conditions prior to placement and the nearshore bed turbidity is similar to previous conditions. Seafloor substrates consists of fines. Fine-grained sediment shouldn't normally settle in nearshore.
- The next big step is the release of the data in a USGS data series report. Input is requested on what types of reports would be beneficial. It was noted a broader report should be submitted to decision makers. A brief 2-3 page summary of what we've learned as well would be beneficial.
- EPA involvement is a priority.
- Amending the 80-20 rule could be considered based on the data.
- A 1-minute video showing how sediment disperses recommended.
- Initially the sediment was considered clean based on data collection/analysis done to EPA standards by the consultant.
- The environmental impacts information should be available likely by this Spring. Need to figure out how to integrate 2008 data.
- Ensuring technical documents are complete before public release is a priority.
- An animation was provided showing material disperses based on swell direction. Broader animations are recommended for public understanding.
- Column settling testing will be done to get settling rate. The effects of flocculation will be considered as well.

❖ **Update: Coastal LIDAR Survey – Doug George, OPC**

- The OPC LiDAR report is a living document that lays out ideas the OPC wants to explore with LIDAR collection. The Council members are aware and supportive of this effort and would like to put money toward this effort.
- In 2008, OPC started a topographic mapping project to complement the seafloor mapping already underway.
- Info was received from agencies based on what they'd like to see. A set of technical specs and geographic coverage based on agency input was developed.



- The USACE collection as part of the NCMP: So far, data has been collected for the 4 Southern California counties. Data for SD and Orange counties will be available by the end of March through the NOAA Digital Coast website. Ventura and LA Counties will be ready by summer.
- FEMA funds for the project were planned to be sent to Sacramento District but that has not happened. FEMA money was targeted for Orange County because a broad swath was needed and the Corps had some high priority areas there.
- About 1/3 of the state has been flown with the remaining to be collected by the end of 2010. Data was collected 500-m inland from the coast.
- A blockage of means to get money around has been tough for the project. It was noted that for any project USGS is involved with, the money could be MIPR'd to USGS.
- It was questioned how judgments could be made on data collection that has gone on prior to 2009, such as 2002 data collected by Scripps? The past data doesn't capture/greatly impact what the State does. However, pertinent data will be incorporated into a large database developed by OPC of all LiDAR collection.
- SF Bay region: Joint NOAA/USGS project that will use state specs and extend from Golden Gate to Carquinez Strait up to the 5 m topographic contour.
- Stimulus money was awarded within USGS (PI: Barnard) to collect LIDAR from Point Reyes to Point San Pedro and half of the Bay shoreline. (\$200,000) NOAA funded a LIDAR flight for the other half of the Bay shoreline. Both flights will be collection data at 1-m resolution.
- NOAA portion is underway and the remainder will be done by Spring hopefully.
- Funds were just awarded (\$1/2M to do Monterey Bay/3 county region) to AMBAG to do this area. Doug wants to bump up this area to state specs so the two highest populated areas in northern California will get highest resolution. To do the coastal area to the 10-m contour at the higher resolution specs will cost about \$100,00
- It was noted that Scripps, the Corps, Sandag, Cal Boating, and USGS raised \$225,000 to fly LIDAR from the Mexican border to Point Conception. The plane will fly 2/23-3/2 at 1-m resolution. Data will be public and likely available by August. For the Southern California region, the Corps will have our LIDAR data by Oct likely.

❖ **Update: Army Corps Projects – Susie Ming, Heather Schlosser, Peter Mull (USACE)**

- Susie: Section 227 update: The original authorization expired in 2005, but was reauthorized in WRDA 2007. FY09 money was received. Currently working with contractor to revive the Oil Piers project/update design.
- RSM Prado Dam - Orange County Water District wants us to look at placing material downstream of the dam to monitor the project and gauge

its potential effectiveness for other dams. They are examining sediment quality info associated with the project.

- Coastal RSM Programs: continued discussions needed to get the Humboldt, SF Bay, Northern Monterey Bay, and Eureka RSM Plans underway.
- The Corps cannot send funds to BCDC as a sole source action to get the SF Bay project underway. Alternatives are sending to National Parks since it's a Federal Agency or the Golden Gate Service or contracting it out competitively.
- Matilija: more \$ needed (millions) and they're figuring out how much is needed.
- The National RSM Plan has not made decision on how/where funding will go and to whom.
- Can the Corps accept private funding to do beach nourishment? "NO" because you need to go through a Feasibility Study.
- USGS will be operating out of Noyo Harbor in July/August timeframe collecting data.
- State Parks wants to reduce cost by disposing sand nearby rather than far away from a given dredging site.
- SD Harbor dredging project is looking to place sand in the nearshore off of Imperial Beach. The Corps is looking at the potential to use the Corps dredge Yaquina (smaller than the Essayons), or a non-Corps dredge. Only have \$1.5M available to dispose nearshore. Projected start date November.

❖ **Recap: RSM Workshop on 11/18/09 in Costa Mesa: Next Steps – Chris Potter (CA Natural Resources)**

- A brief recap of the RSM Workshop was given.
- It was noted that a list of all potential RSM Plans with associated costs would be useful to help plan funds.

❖ **Recap: Biological Impacts Analysis Regional Meetings – Clif Davenport (CGS)**

- The Corps and the Monterey Bay Sanctuary are funding the Phase 2 efforts by SAIC.
- Karen Greene has put together an action items report.
- Workshops will be held over the next several months to answer questions of resources agencies on what they need to evaluate potential biological impacts associated with RSM Projects.
- Two workshops (Long Beach and Sacramento) have been scheduled and four more not yet scheduled.
- Each workshop will have a different format/focus. Potential locations will include Monterey Bay Area (Moss Landing), San Francisco, San Diego, and Orange County.

❖ **PM Report – Clif Davenport**

- A handout of the PM Report was provided (and is attached to these minutes).
- Southern Monterey Bay Coastal RSM Plan: able to obtain extraction volumes for the CEMEX operation and was provided to the Coastal Commission, per their request.
- John Dingler is working on a 1980's Corps' Bibliography (9th Version).
- All three current RSM plans are pursuing environmental documents. John Doughty (AMBAG Executive Director) is pursuing local funds for the southern Monterey Bay environmental document..

❖ **New Business – Chris Potter**

- Steve Aceti noted that the Solana Beach Encinitas Study and other Corps studies will need state funding in the next year or two. DBW determined that \$750K of the funds identified for the SANDAG project are needed for these studies. SANDAG is opposed to DBW reducing their funding. Some thoughts to compensate for the DBW funding for the Regional Beach Sand Project would be:
 - Corps National RSM funds to pay for monitoring
 - Money sent to Scripps through the Southern California Beach Processes Study (which is Corps funded)
- Chris: spoke to Neal Fishman about Prop 84 but Amber Mays is the person, who runs OPC now. For the grant funds promised to SANDAG, Chris is still discussing this with DBW and the Resources Agency.

❖ **Topics for next meeting**

- Next discussion Points: Top Ten Ways to Implement RSM, RSM issues, opportunistic use permits and how they overlap potential nourishment projects, & funding issues.

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**NEXT MEETING
Conference Call
Wednesday, March 24th 9:30 – 11:30 AM**



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CSMW Project Manager's Report February 17, 2010

A: Agency Coordination

1. Presentation to SWRCBs Hydromodification group regarding the history of the Biological Impacts Analysis study in advance of the upcoming Sacramento workshop at the SWRCB regarding development of Resource Protection Guidelines.
2. Extraction volumes from the CEMEX sand mine in Marina from 1969 to the present were obtained and provided to the Santa Cruz office of Coastal Commission. These data are confidential and state law requires that they can only be provided to entities engaged in official state business.
3. Surfers Beach stakeholders group had a kickoff meeting in mid-November.
 - Members of the stakeholders group were brought up to speed on technical issues by USACE and on local issues/perspectives by Brian Overfelt.
 - Federal law precludes placing sand in the Sanctuary unless a specific disposal/placement area has been designated for the sand source. MBNMS are looking into ways to obtain such designations or identify alternative approaches that would allow placement of appropriate sand in the vicinity of the erosional area
 - (Surfers/EI Granada Beach is a CSMW "Beach Erosion Concern Area", identified in the draft CBEAS report).
4. Submitted a "concept proposal" to MMS to identify and collect available GIS data and analyze potential conflicts with other ocean uses that could affect the ability to obtain offshore sands from economically viable OCS locations identified in BEACON and SANDAG Coastal RSM Plans, using Marine Spatial Planning.

B: Coastal RSM Plans:

1. New Plans:
 - Orange County- Work is underway. The first public workshop was held in Costa Mesa on November 17, 2009. Everest International Consultants is currently compiling information on sediment sources, critical erosional areas and recreational use of OC beaches (P. King, subcontractor).
 - Santa Cruz littoral cell- AMBAG has indicated they would be like to initiate activities around May 2010, assuming CIAP funding has been procured by that time
 - SF Littoral Cell- USACE LAD has determined that providing funding directly to BCDC or ABAG is problematic and will likely not work. Other means to fund the work efforts should be determined.
 - Eureka Littoral Cell- Humboldt Bay Harbor, Recreation, and Conservation District is "anxious to get started" once CIAP funding becomes available, and would like to discuss the Plan at their next Humboldt Bay Symposium in April, 2010.
 - Los Angeles County - ??



2. CIAP Funding:
 - Application for funds is being worked on at DBW

3. Southern Monterey Bay:
 - David Brew (formerly of Phillip Williams Associates) is presenting a paper documenting the Coastal RSM Plan process in SMB at the "10th Littoral Conference-Littoral 2010" conference to be held at the Royal Geographic Society, London.

C: Computer-based Tools

WebMapper

1. CWD and JC prepared a poster for AGU describing how the tool can and was used for marine spatial planning (e.g., MPAs and RSM locations). The poster was well-received, and currently resides at CGS/USGS in Menlo Park.
2. The current hosting contract between CERES and DBW has expired. CERES is providing limited support on *ad-hoc* basis.
3. Snowy Plover and Least Tern areas in San Diego County were added to the list of available spatial data, based on input from SANDAG's Coastal RSM Plan efforts.
4. A shapefile showing locations and amount of sands retained by various structures along the California Coast, funded by DBW and developed by Nicole Kinsman (Gary Griggs PhD student) was posted.
5. The Website's "Legend" of available shapefiles for viewing using the browser or for downloading was revamped through use of various categories to better organize the significant amount of available data.
6. The website has about been developed to the degree currently reasonable. We have been waiting for some time for CERES to install a software patch to fix a "print map" problem, and are working on an "opening screen" to advise the website visitor on what and how they can view/download the spatial data. Further upgrades should follow a "users survey"; USACE is investigating whether/how to develop/fund such a study.
7. Due to significant efforts working through unanticipated issues with CERES and other developments, there are limited funds remaining for the GIS specialist through June 2010.

CSMW Website

1. The USACE guidance on Sea Level Rise was posted to the Library



2. An Orange County Coastal RSM Plan page was developed and posted, along with the two presentations from the Kickoff public meeting
3. The "Meeting Minutes" page was updated through October 21, 2009.

CSMW Reference Database

1. USACE SPN staff are converting an older bibliography to the current, Access-database format. Additional categories have been created to accommodate references that did not fit in the original "Topical" structure developed for the CSMW database.

Coastal Sediment Benefits Analysis Tool (CSBAT)

1. Need to develop a subcommittee both within the CSMW as well as other stakeholders and from other Districts within the Corps to analyze the future direction of the tool. This action will not happen until after October.

D: Educational documents

Biological Impact Analysis Phase 2:

1. USACE has contracted with SAIC to fund the bulk of Phase 2, while MBNMS funds to complete the balance of the work have been received by BEACON. Work is underway!
2. In order to address CSMW-requested reviews, SAIC is pursuing "Resource Protection Guidelines" that will enable agency reviews of environmental issues associated with sediment management. Two workshops currently scheduled with agencies to obtain input- Long Beach (2/18/10) and Sacramento (2/24/10)

Environmental Document, BEACON:

1. Progress meeting with BEACON, consultants and CSMW occurred in January, 2010. This effort is well underway (Project Description completed), along with the associated effort of compiling GIS shapefiles (for display in WebMapper) showing critical habitats and biota that could be affected by projects that were recommended in BEACON's Coastal RSM Plan.

Environmental Document, Southern Monterey Bay

1. AMBAG is pursuing development of a stakeholder group relevant to a "general permit" for placement of beach-compatible sands (upland, coastal, offshore) at the three-mile long strip of beach from Monterey to Sand city identified as a receiver site in the Coastal RSM Plan for Southern Monterey Bay.
2. AMBAG is also investigating whether a pilot study for beach nourishment funded through the Monterey Bay National Marine Sanctuary could be incorporated in the process, perhaps to develop the project description for the environmental document.



3. AMBAG also investigating how to get local jurisdictions provide some (small) amount of funding to provide a local match to existing funds.
4. Current funding level is appropriate for a CEQA-style document. Additional funds are likely required if NEPA issues are to be addressed.

Environmental Document, SANDAG

1. Reviewing Final Description of Proposed Action and Alternatives as well as Coastal Habitat Survey of Onshore and Nearshore Beach Receiver Sites.

California Beach Erosion Assessment Survey (CBEAS)

1. Natural Resources Agency continues to work with Governor's office to obtain final approval of the document for general release.

E: Demonstration Projects

Tijuana Estuary Sediment Study (TESS)

1. The revitalized project has been completed and the data collected being analyzed. Jon Warrick will give progress presentation today.