



**CSMW Meeting Minutes
Conference Call
21 OCTOBER 2009**

MEETING FOLLOW-UP ITEMS:

- ✓ **CSMW:** Next meeting Nov 18th at Southern CA Coastal Water Research Project (SCCWRP) Office in Costa Mesa, CA. Time scheduled for 9:30am -1 pm.

Still Pending:

- ✓ Heather and Chris? Letter to the CERB outlining the progress that has been made on LIDAR project. PENDING - Heather and Chris will complete this by next meeting. George suggested he would like to provide a report of it when he attends the CERB Executive meeting in Nov.
- ✓ **George and Brian-** look at existing PPR draft and give comments (Chris will make sure Brian looks at it) – PENDING
- ✓ CBR_eS/CBECS/CBEAS – Natural Resources Agency (**Chris**) is seeking Governor's office approval to release the report to the public. PENDING
- ✓ **Chris** should give a perspective of the funding needed for each of the "Top-10" recommendations, so that we can focus on the least costly items in these economic times and separate out federal and state items. PENDING - Chris will have something prepared before the RSM workshop.

❖ **Welcome – George**

- The Corps of Engineers' RSM Workshop is Nov. 3rd and 4th in Pacifica
- Jim Haussener mentioned an upcoming Bay RSM Workshop to likely be held sometime in January (date TBA) and suggested BCDC folks attend. Chris suggested that ABAG folks attend because they likely have easier traveling capability.
- Chris – the next CSMW meeting (focused RSM Workshop) will be Nov. 18th at SCCWRP -- Heather will send out an update with specific meeting time and location details. SCCWRP provides great amenities for meetings.
- Orange County initial public meeting for their Coastal RSM Plan development is November 17, also at SCCWRP in Costa Mesa.
- Minutes from CSMWs September 2009 meeting were approved..
- Brad's presentation for today is on ftp site.

❖ **Feasibility Evaluation Effort in Southern Monterey Bay - Brad Damitz**

- A background of the Evaluation efforts since 2005 was provided.
- Southern Monterey Bay Coastal Erosion Workgroup was formed to address issues related to coastal erosion, armoring and sea level rise in southern Monterey Bay it is a collaborative regional effort consistent with the Monterey Bay National Marine Sanctuary (MBNMS) Coastal Armoring Action Plan and guidance from Congressman Farr and Monterey City

- Council. Members of SMBCEW consist of local and state governments, resource agencies, academicians and consultants, etc.
- Goal is to protect shorelines without armoring, in partnership with City of Monterey.
 - Area of study and concern is the Southern Monterey Bay littoral cell.
 - Accomplishments to date: a number of reports have been prepared in the “compiling” phase of the study, and critical erosion areas and alternative approaches to mitigating coastal erosion have been identified and evaluated,
 - Main threats found thus far are localized in southern area of Monterey Bay, and this area was chosen as the study “pilot area” as a result.
 - Critical erosion areas include: Del Monte Beach Townhomes, Sanctuary Beach Resort, Monterey Interceptor (raw sewage pipeline, potentially catastrophic if compromised), Ocean Harbor House Condominiums (controversial seawall), Tioga Avenue (one area was used to dump concrete over the bluff here thus hardening the shoreline, and the road itself has eroded seriously with the chunks of asphalt and concrete providing a major health and safety hazard), Marina Coast Water district buildings at Reservation Road (major relocation of structures), and others. CEMEX operates a beach sand mining operation in Marina (hydraulic dredge pumps sand out of beach “pond” here).
 - All areas north of Salinas River are stable or have been accreting and all areas south of the River experience erosion. The major sources of sand are the dunes backing most of the coastline south of the river mouth.
 - The highest erosion rates in the State are found south of Salinas River in the vicinity of Fort Ord and Marina, downcoast of the CEMEX plant. Sand primarily erodes from dunes and migrates in a southerly direction south of the river mouth. Cliff noted that there is a convergent zone offshore of Sand City that is believed to have produced an offshore deposit of beach-quality sand, which is supported by core information in the USGS’s usSEABED database.
 - 200,000 CY/yr of sediment is contributed from dunes.
 - Salinas River not a big contributor of sand; only about 10,000 yds of sediment move to the south; the remainder (~55,000 yds) moves north and eventually into the Monterey submarine canyon.
 - Tom Kendall noted that in the past several sand mining operations were present but they were shut down in the late 80’s to early 90’s because the Corps permits weren’t renewed.
 - Roughly 200,000 CY/yr of sediment is lost from system because of dredging of the CEMEX sand mine.
 - In a 2008 winter storm a dredge got washed away offshore in the area of the CEMEX sand pit, and the pit filled in with sand during that storm.
 - Lesley noted that sand from the mining is used for well packing for septic systems, interceptor wells, etc. Very high quality sand is used in these wells, which otherwise need to be obtained from Colorado.



- Summary of RSM approaches: will use results of two studies to define path forward, which hopefully will be defined this FY. Coastal RSM Plan and Erosion Control Feasibility Study
- Coastal RSM Plan recommendations to date: do nothing north of River as it is stable, allow dunes to naturally erode south of river and address loss of sand for a three mile stretch north of Wharf II in Monterey through a regional beach nourishment program.
- A list of all possible erosion control alternatives was developed by SMBCEW including regulatory, engineering, planning, etc. 25 alternatives were excluded.
- Funding was identified and an RFP was put out. The erosion study is just one component of the Shoreline Management Plan for Southern Monterey Bay (SMPSMB). Contract for the Erosion Control Feasibility Study was awarded to Philip Williams and Associates (PWA).
- The Southern Monterey Bay Coastal RSM Plan coordinated by AMBAG on behalf of CSMW was the scientific basis for the erosion control study.
- Programmatic EIR is the next thing to look at. Could be an EIS if federal funds used. AMBAG is currently funded to coordinate the work. Clif noted we would need a regional permit.
- Study is in the detailed evaluation phase now. Future evaluation to include of marina sand mining including mechanism of sand entering nearshore system.
- Southern Monterey Bay divided into 7 sub-regions, recommendations for combinations of alternatives will be made for each sub-region, and monitoring strategies to be set up.
- MBNMS has limited funds to develop a methodology and scope of work for a pilot beach nourishment project.
- Tom asked if there is a funding implementation plan? >>> Clif and Brad have begun to brainstorm and evaluate options, and have outlined the necessary steps for developing such a plan, however no funding/implementation plan has been developed. Congressman Farr is a strong supporter of this effort and could be a great help in identifying/pursuing funds. Tom noted that this might have potential to become a Corps project and that they could request a study in the future but the current Corps Economics Analysis doesn't justify a project now.
- Jim Haussener noted that a simple diagram showing inputs and outputs of sediment would help and Clif and Lesley advised that this is already in the RSM Plan.
- Chris asked what the Sanctuary's long term objective was. Brad responded that they want to get away from coastal armoring and preserve beaches in SMB and gain support from the public. They also want to come up with a proactive regional approach broken down by sub-region and covering the identified sub-cells. Brad noted, however, that funding to achieve study completion will be challenging.



- Clif would like Brad involved in the environmental study with support from contractors.

- ❖ **Update on Orange County Coastal RSM Plan – Heather and Susie**
 - OC RSM - initial public meeting will be on November 17th at SCCWRP and time is still TBD. Everest International is coordinating this meeting and the meeting invite will be out shortly.
 - LA RSM - Corps met with both LA County Public Works and Beaches and Harbors to start initial discussions. They will provide the POC's and team. Initial work efforts will start shortly.
 - SF RSM – Corps will execute the second part of the SF RSM work with BCDC this first quarter via a sole source contract.

- ❖ **Update on Los Angeles District's Coastal Dredging Program – Mo Chang**
 - SPL District's FY10 Dredging Program consists of 8 projects – overview given by Mo Chang, the Navigations Branch Dredging Projects PM:
 - **Morro Bay**
 - ✓ Existing contract; dredging to start 26 Oct 2009. Part of channel to be hopper dredged, and the rest clamshell dredged. Two disposal sites identified – beach north of harbor and nearshore area south of harbor. Currently dredgers are on site. Sediment transport is North to South, sediment to be placed north of harbor
 - ✓ Majority of material will be placed on beach north of Harbor.
 - **SB Harbor**
 - ✓ Currently in the last year of an existing 3-yr contract. Only dredge twice a year, Nov-Dec and Mar-Apr. Pipeline dredge used to place approx. 300,000 CY of sand roughly a mile downcoast. Dredging to start next month.
 - **Ventura Harbor**
 - ✓ Existing contract; start dredging in Jan 2010. Approx. 650,000 CY is dredged from Harbor every year. Two disposal sites: South Beach and McGrath State Beach. Placement location depends on river flow patterns as material normally drifts north to south and is trapped north of the Channel.
 - **Marina Del Rey**
 - ✓ new contract; approx. 700,000 CY dredged, which can contain contaminated material, usually found just west of breakwater. There are two disposal sites, the contaminated material will go to Port Fill and

- the clean material to the beach. Clean material taken to Topaz Beach in past.
- ✓ Jim Haussener asked for a statement on the CJW Contract. Mo advised that in 2009 we did pilot project here where mostly contaminated material was found. The project separates fines from contaminated material. A hydro cyclone operation was done on beach to clean the material and pumped down to Dockweiler Beach. First cut was coarser material, second cut finer. Problems arose because of a disagreement between the EPA and Corps in that the EPA opposed placement in intertidal zone after review of chemical results. Corps couldn't wait 28 days for a bioassay survey so they placed the material upland. Lesley asked if coarser material was contaminated or not? Mo verified that we pulled fines out but contaminants remained in the coarser material. Total Quantity dredged was 10,000 CY at a cost of \$3 M.
 - ✓ George noted that in order to realize best use of material we need to monitor costs per CY and Mo confirmed that an after action report has already been planned for preparation in relation to this.
 - ✓ Kim: how often do we do this project?: every 3-5 years
 - ✓ George: is there a status report of contaminated material from report?
Susie: No.
- **Port of Long Beach:**
 - ✓ Existing contract; awarded in entirety 29 September 2009. Work to be complete in June.
 - ✓ Disposal site is slip G.
 - ✓ There is an existing contract with Port of LB to demolish the Pier, so once done we can place material there.
 - ✓ Dredge to start May 2010, clam shell and hydraulic pipeline
 - ✓ The turning basin material is coarsest and will be placed as top layer.
 - ✓ Port of long Beach biggest \$ contributor
 - ✓ Kim noted material should be placed efficiently according to parties' interests but George says Corps permits control most of this.
 - **LA River Estuary**
 - ✓ existing contract; 70,000 CY, disposal site
 - ✓ Most material placed in slip G but money ran dry. Finally got money to finish work and confirmatory sampling was done to ensure same type of material present. Elevated PCB's found that did not permit ocean disposal. Want to place in Middle Harbor -- need EA to get contractor to finish work.
 - ✓ George noted that a problem with Marina Del Rey is contaminants from Ballona Creek are entering the harbor
 - ✓ Kim brought up the point that if mitigation for beaches were done like wetlands problems may be avoided.



- ✓ Jim: we need to avoid having to replace sand due to shallow water habitat contamination as has happened elsewhere.
 - **Oceanside Harbor**
 - ✓ Existing contract; awarded Sept 2009.
 - ✓ Disposal site: downcoast beaches, approx 200,000 CY. Contractor (Manson Construction) uses hydraulic pipeline dredge. Dredging to start in March 2010.
 - **San Diego - Mission Bay Harbor**
 - ✓ ARRA Stimulus funded, 500,000 CY material dredged.
 - ✓ Disposal site: Mission Beach
 - ✓ Bid opening in mid-Dec. Want to award end of Dec.
 - ✓ Will use clam shell dredge. Dredge footprint is entire entrance channel running west-east and small cove just north of this channel.
 - ✓ Two years ago a storm damaged southern jetty.
 - ✓ All dredging recreational.
 - **San Diego Harbor**
 - ✓ Delayed until Spring 2010.
 - ✓ Disposal sites: Imperial Beach nearshore area. New contract, approx. 500,000 CY. Coarse grained material.
 - ✓ Dredge no more than 100,000 CY in southern area and monitor to see if material would move upshore or not. We need a monitoring plan and Supplemental EA for this site.
 - ✓ Asked Corps dredge Essayons to come back and they can't return until Spring 2010. Aquina couldn't be used as it doesn't dredge over 55 ft and carries only 1/3 of the volume.
 - ✓ Air quality permit not acquired for a couple years. NMFS said kelp present.
 - ✓ Jim H: Is Imperial Beach an opportunistic placement location? Not at the moment.
 - Clif and George want to figure out how to get dredging data into the Coastal RSM Plans. George noted that we need to look 10-20 years ahead when coordinating RSM activities with our dredging activities.
 - Clif recommended that the dredge data be placed on CSMWs web mapping website, including polygons and dredge volumes
 - Susie indicated that the Corps' National Coastal Databank (NCDB) GIS analysts will supply that GIS data.
- ❖ **Report on San Francisco District's Meeting with IOOS (Tom Kendall)**
- Meeting was held on 30 September 2009 at BCDC's office in San Francisco



- In attendance were representatives of the Ocean Protection Council, State Coastal Conservancy, SCOOS, CenCOOS, BCDC, and the Corps to discuss information exchange related to data needs, technical expertise, and program leveraging to study sea level rise in the SF Bay region. Questions addressed were who needs what info and what type (sediment characteristic and location info, dredging info, etc.)
- IOOS is not a funding source but could provide data in a format everyone could use. Goal is to make data more user friendly.
- All the POC's involved in data collection identified. IOOS has tried to find data users and data generators in SF Bay to make connections

❖ Other Items

- Master Plan – received \$796 in Fed funds – currently scheduling funds for FY2010
- Corps was working on a letter to the MLPA identifying project areas that could potentially be impacted by MPA designation. A letter was not provided, but instead Heather emailed Melissa Miller-Henson highlighting the fact that the responses/data that Clif/CSMW have provided cover all of Corps activities, with the exception of Upper Newport Bay (finishing up Ecosystem Restoration Project) and the mouth of Malibu Creek (large, ongoing restoration project by State Parks). The letter was sent because it was uncertain whether concurrence and approval of letter could be obtained from the District Engineer soon enough.
- Clif addressed the issue of whether the AG also looking at the definition of “restoration”, which is allowed in an SMR. Clif reviewed the memo but didn't see anything defining restoration.
- Decision on closing State Beaches – release on names has been delayed.
- RSM workshop will be held at SCCWRP in Costa Mesa Nov. 17th Info was sent to Syd about Surfer's Point/TEA funding.
- Co^{mm}ments about revisions to the CSMW Brochure (on the website) were sent to Heather
- Susie sent out info to the CSMW group on the National RSM meeting (Nov 3-4) and the IOOS meeting (Nov 5) both in Pacifica
- Corps has been working on a DMMP for SF Bay since '05 and Westin Solutions should have a report by early spring.
- George would like DMMP presentation sometime in December and wants future goals as far as Corps' concern for Harbor management
- George Nichol: CA Storm Water Quality Conference will be in December & he will be talking with the TMDL regarding coarse vs. fine grained sediment
- John Carotta: Webmapper update: added shapefiles from the Ventura-Santa Barbara (BEACON) Coastal RSM Plan, updated MPA layer w/ Round 3 MPA's. Also added a “bookmarking” tool to save views and another tool that takes user to coastal records projects picture of the



coast by clicking on that spot in the viewer. Coastal Records Project contains oblique photos that also extend back in time.

- Chris: CA World Ocean Conference next year at Hyatt Regency right after Labor Day Sept 7-10th.
- H2O – October 27-29 in Long Beach – agenda is online.

ADJOURN

**NEXT MEETING
SCCWRP Offices
Costa Mesa, CA
November 18, 2009
Time TBA**



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