



**CSMW Meeting Minutes
26 JANUARY 2011
9:30 AM – 12:30 PM
San Francisco**

STILL PENDING:

- ✓ **Chris** – Will reconvene the PPR sub-committee to discuss the RSM Top Ten Recommendations. ONGOING – collaborated on letter to BEACON on sand ordinance.
- ✓ **Susie/Heather** – Will reconvene the Corps' PPR sub-committee to discuss Federal actions. ONGOING
- ✓ **Heather** – Check on progress of posting of JALBTCX LIDAR data to NOAA website so others can access. STILL PENDING – NOAA Digital Coast – USGS flew additional LIDAR that should be available soon
- ✓ **Heather** – Finalize and obtain hard copies of SMP Brochure for Outreach efforts. STILL PENDING
- ✓ **Chris** – Determine interest in ABAG committing to development of SF Open Coast Coastal RSM Plan. Spoke with ABAG staff and they are interested and awaiting us to have funding. ABAG needs an MOU or MOA before committing – need a formal relationship
- ✓ **John** – Conversion of USACE reference database for incorporation into CSMW's searchable Access Database. ONGOING – John will send spreadsheet to Heather
- ✓ **John** – Provide update on Noyo Harbor issue of what to do with harbor dredging. PENDING – Funding for FY11 is not available.
- ✓ **Chris** – Add new agenda item for January meeting to have a discussion on disposal methodology (running into problems with disposal, particularly in the North Coast area) – issue with placement of material

COMPLETED ITEMS:

- ✓ **Susie and Brian Ross** – Convene and discuss depth of closure issue. Tentative date of December 8th – Ocean Beach surveys (USGS) could help the discussion. Information will be sent out soon.
- ✓ **Kim** – Discuss local government involvement (City of Encinitas / Local Coastal Zone Management Plans) with Steve Aceti. STILL PENDING

NEW ACTION ITEMS:

- ✓ **Brad** Add Melissa Scianni (EPA) to the Southern Monterey Bay Coastal Erosion Workgroup
- ✓ **Brad or Phil King** Give a presentation on the economic analysis of the Southern Monterey Bay study
- ✓ **Clif** – Contact Jim Haussener about the GIS Survey



- ✓ **SPN (Peter Mull) and SPL (Mo Chang)** to provide Kim with dredging spreadsheet
 - ✓ **Chris** – will make contact with the PIER group (?)
 - ✓ **Clif** – Add NSMS outline to CSMW website
 - ✓ **Clif/Chris/John/Heather** – will discuss which studies would be most pertinent for the various portions of the NSMS report
 - ✓ **Chris** – will send the PPR to Rachel for use on NSMS
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❖ **Welcome & Introductions –George Domurat**

❖ **Review of Meeting Minutes from 11/30/10 – Heather Schlosser**

- November 2010 meeting minutes were approved.

❖ **Update on the Southern Monterey Bay Coastal Erosion Workshop – Brad Damitz**

- Initiated by the Sanctuary, collaborative effort to address coastal armoring and erosion hazards with the following goals:
 - Compile and analyze erosion rates
 - Identify and assess options for mitigating erosion
 - Develop a shoreline management plan
- Moving on to the planning phase for a long-term strategy.
- PWA looking at options developed by the workgroup in terms of technical and economic feasibility. Major recommendation:
 - Cessation of sand mining activities from the beach (CEMEX) – estimates are that erosion rates would be reduced by 50% for the region and would save \$124M (FY10 price levels) (from Phil King's economic analysis)
 - Economic losses include property values, environmental resources, recreation, and infrastructure (sewer line)
- Next Steps:
 - Update SLR figures and incorporate into erosion rates – partial funding from Coastal Conservancy – would use procedure developed by the Pacific Institute
 - Update RSM plan, including benefits and erosion rates
 - Develop implementation strategy (engaging local municipalities)
 - Identify data gaps
 - Develop SCoup-type program
 - Prioritize projects
- Brad's funding is coming to a close and additional funds need to be identified, or more support and participation from the locals is needed.
- AMBAG adopted the Coastal RSM plan and that plan states that they are supposed to take the lead on implementing the plan.
- Melissa Scianni with EPA should be added to the workgroup

- The workgroup does not have a website, but could add information and reports to the CSMW site to add in information dissemination.
- Steve Aceti recommended looking at the fee structure that SANDAG uses for its members to help fund the workgroup.
- Will bring revised recommendations to CSMW at a future meeting.
- CSMW needs to determine how to stay involved in regional efforts after the Coastal RSM plans are developed.
- Corps could participate in a planning study if there is local support.
- Jim H – Is there an opportunity to look at a potential rebounding of SLR rates on the west coast? Some early indications show that sea level is lowering on the west coast – will it rebound at a later date? And how do we plan for that?

❖ **SF Bay Tidal Marsh Sea-Level Risk – Julian Wood**

- Project motivation to look at the changing climate on tidal marsh birds.
- SLR web tool available soon (in Google Maps environment)
- Questions
 - Changes to vegetation and birds
 - Where should we invest in marsh restoration?
- No spatial projections of marsh response to climate change
- Physical modeling efforts constrained by data availability, complex sediment systems
- Project Steps
 - Bay Elevation Map
 - Sub-regional scenarios (suspended sediment and organic accumulation)
 - Sea-level rise (NRC I and III) (0.5 and 1.65 meters per century)
 - Salinity projections
 - Marsh 98 Accretion Model – Mineral sediment accretion dominated to Organic sediment dominated
- Habitat Change with Various Scenarios
 - Current Conditions
 - No Levee system – change sediment accumulation, SLR scenarios
 - Loading results into web tool
 - Results show marshes drowning 50-100 years in the future and upland sites becoming marsh land
- Effects on Birds and Plants (Common Yellowthroat and Pickleweed)
 - Shows a salinity shift inland in 100 yrs (affects where pickleweed can grow)
- Conclusions:
 - Restoration needs to consider where marshes can move
 - Need to rethink habitat goals in the context of climate change
- Is a shift seen in bird populations based on migration of marshes? There is a small shift shown in the modeling.
- Sediment is important to health of marshes
- Central Bay (Richardson Bay) – very little sediment supply, and makes area more sensitive to SLR



- South Bay – a lot of sediment is available and therefore the area is more resilient to SLR
 - May need to recharge some areas with sediment.
 - What is meant by low and high sediment in the modeling efforts? Annually average suspended sediment concentrations – threshold is 100-150 mg/L
 - 100 mg/L – low resiliency to SLR
 - 300 mg/L – high resiliency to SLR
 - What is the cutoff for sediment size? Assume fine silts are being deposited in the marshes and on the mud flats.
 - Coastal sediments could be used to help protect the edge of marshes
 - Naturally produced methane concentrations have been collected in the Delta, but not in the Bay
 - Marsh restoration using dredged material? Mudflat recharge could benefit the marshes.
 - Would a pilot demo be appropriate? Where should that take place?
 - Beginning an effort with BCDC in Corte Madera Bay
 - Corps looking at demo sites this summer
- ❖ **GIS subcommittee update -**
- GIS Users survey went out today and is due back February 11th
 - Looking to access both GIS users and data holder managers – looking for additional consultants and ports
- ❖ **Beneficial Use Discussion – Heather Schlosser**
- Definition in the SCOUP document is a simple in terms of depth of closure, but a beneficial use zone needs a different definition
 - EPA needs a defensible methodology to determine this beneficial use zone
 - EPA wants to encourage beneficial use zone
 - Demo Projects that can be used – Tijuana Estuary, Santa Cruz, others
 - Short term – used existing projects to develop interim guidelines - need a workable Regulatory Definition
 - Technical Committee
 - Coastal Conservancy – Karen Bane
 - Coastal Commission – Lesley Ewing and Mark Johnsson
 - USGS – Sam Johnson
 - Corps – ERDC (Julie Rosati), Committee on Tidal Hydraulics, Art Shak, John Dingler
 - EPA – Brian Ross
- ❖ **Updates: Army Corps Projects – Heather Schlosser and John Dingler**
- Headquarters/IWR***
- Implementation of the National Ocean Policy
 - Collaboration and outside support is extremely important in sustaining funding levels (in terms of the President’s Budget)



- Should we be focusing more on Marine Spatial Planning? All of our tasks are already integral to the effort.
- Need to make sure we publicize public meetings and stakeholder groups.
- National Workshop planned in May for Marine Spatial Planning

Los Angeles District

- Pismo Beach project (recommending sculpted seawalls at 2 locations) – scheduled to present at Coastal Commission in February
- San Clemente – having some issues with the recommended mitigation plan as well as assuring the resource agencies that funding will be available if mitigation is required.

San Francisco District

- Crescent dredging will begin soon
- Eureka – completing DMMP (includes a demo project for nearshore placement and would potentially occur in FY12 –Spring 2012)
- Eureka Coastal RSM Plan – awaiting 50% draft report
- Humboldt Bay Initiative – John will be giving a presentation on Friday on the RSM plan
- Ocean Beach activities
 - Designating SF-17, but not extending onshore
 - one-time onshore placement site will be used in 2012 (~300KCY)
 - GGNRA is concerned about the potential impacts to benthic habitat
- Santa Cruz dredging MOA is being renegotiated – Corps had to make the argument that it is still an economically justified project
- Princeton Harbor – study looking at erosion at Surfer's Beach (Non-Fed partner is the San Mateo Harbor District) – Irene Lee is PM and John Dingler is Lead Planner

San Francisco District – RSM Projects in SF Bay

- Sediment Geochemical Analysis at Muzzi Marsh (Corte Madera Creek Watershed), USGS Menlo Park; POC: Bruce Jaffee
 - Draft Report – July 2011
- SF Bay Tributaries Contribution to Sediment Budget, USGS Sacramento; POC: David Schoellhamer
 - In year 2 of sediment sampling
- Fine Grained Provenance Study, USGS Menlo Park; POC: Patrick Barnard
 - Summer/Fall 2011 – samples collected
 - Draft Report – June 2012
 - Final Report - December 2012
- 3-D Sediment Transport Modeling, Noble Consultants, Inc



❖ **State Agency Updates**

Department of Boating and Waterways (DBAW) – Kim Sterrett

- Phil King is conducting a study on the economic value of environmental benefits (partnering with Jennifer Dugan) of beaches and the nearshore
 - 2 year study, will begin in the Spring 2011
- Pismo Beach is in the Governor's Beach
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Coastal Conservancy – Joan Cardellino

- Surfer's Point construction – receiving a lot of attention in terms of using managed retreat as a response to sea level rise – completely Phase 1
 - If sediment supply is not restored, then the shoreline would be hardened because of the presence of cobble

State Water Resources Control Board (SWRCB) – George Nichol

- Surface Water Ambient Monitoring Program – have a roundtable discussion
 - Complaints from this group that SWRCB does not have a policy on "Sediment as a Pollutant"
 - George will try and figure out where the pressure is coming from in the various regions
 - Need a CSMW member to attend the group
 - Need someone to lead a discussion of the beneficial uses of sediment

❖ **National Shoreline Management Study – Rachel Grandpre**

- Looking for comments on the outline
- Clif will add outline to the CSMW site to receive public comments
- There is a wealth of economic information thru various studies
- Clif/Chris/John/Heather – will discuss which studies would be most pertinent for the various portions of the NSMS report
- Need to look at the cost of barriers to the health of the shoreline
- Recommendations – looking for specific items on how to approach a systems-wide approach to RSM
- Timeline is to have draft report by September 2011

❖ **SMP Project Manager's Report – Clif Davenport**

- CIAP Funding – Project materials and grant agreement has been partially approved
- SEE REPORT BELOW

❖ **Other Agency Updates, New Business, and Announcements**

- PIER studies – looking at renewable energy - looking at feedback on how their studies have been used.



- Sediment Trend Analysis (Patrick McLaren) – is a method to track sediment movement and would like to present to CSMW in March
- CSMW Public Meeting in conjunction with H2O?

NEXT MEETING
Wednesday, February 23rd
Conference Call
9:30 AM – 11:30 PM



CSMW ATTENDEES

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CSMW PM Report January 26, 2011

A: Outreach

1. Brochure- Heather is working with Everest Consultants to finalize hard copies and electronic version for posting.
2. The Southern Monterey Bay Coastal Erosion Workgroup (SMBCEW) has received and assessed consultant evaluations on feasible alternatives to address coastal erosion in Southern Monterey Bay. Brad Damitz will have update today.
3. Portland RSM Workshop for Oregon/Washington- Chris Potter Received grant agreement last Friday from PSMFC. Have started discussion with partners, LCREP and Lower Columbia River Solutions Group, on possible dates for workshop.
4. CSMW Public Meeting at CSBPA We need to work out the logistics (space) and how we do a public event during a conference for which attendees pay a registration fee. That issue could be solved by holding the workshop Thurs afternoon (the conference ends Thurs after lunch).

B: Coastal RSM Plans:

1. Orange County- Everest Consultants is completing data collection and compilation and beginning plan formulation of the RSM plan. A team meeting is scheduled for the end of February and a public meeting to discuss progress and to elicit public input will be held at SCCWRP in March. The current schedule is that a Draft Report would be available in April/May and could be presented to CSMW in May.
2. Santa Cruz littoral cell- No Activities this period
3. SF Bay -Sandra Hamlet may have an update of relevant BCDCs activities.
4. San Francisco Open Coast: ABAG and the SFEP remain interested in being the regional partner for Plan development. However, direct involvement is pretty much on hold until CIAP funds become available next month.
5. Eureka Littoral Cell- John Dingler may have update on upcoming meeting and work progress
6. Los Angeles County -Noble Consultants has been working closely with Beaches and Harbors and a Draft report is expected in February. Targeted outreach to stakeholder groups will be planned once the Draft report is finished.

CIAP Funding:

1. Kim Sterrett has received a partial approval for the CIAP Grant. He's still awaiting another review for the provisional Budget Office approval, before it probably goes before the Executive Review and Approval Office and then to the Chief's Approval Process.
2. Chris Potter has discussed the proposal with BOERME personnel and was informed that BOERME staff have concluded final review and will soon begin drafting grant award.

C: Computer-based Tools

WebMapper/GIS

1. BEACON has provided a CD containing maps and shapefiles showing sensitive habitats and critters in the BEACON region. Clif Davenport and CGS GIS staff will prepare them for posting on WebMapper once CSMW has decided on how to proceed with future GIS/Webmapper efforts.



2. GIS User's Survey- The survey has been finalized and was issued to the initial target list yesterday. Additional folks at consulting firms and ports/harbors need to be identified and included in the survey.
3. USACE SPL has provided a partial list of historical dredging shapefiles and hopes to have the remaining ports in the next 4-6 months. Clif will update the coastal and offshore potential sediment source shapefiles currently posted to WebMapper once CSMW has agreed on how to proceed with future GIS/Webmapper efforts.

CSMW Website

1. No update activities this period

CSMW Reference Database:

1. No Activities this period.
2. Still awaiting USACE SPN staff's conversion of an older bibliography to the current, searchable Access database which is available through the CSMW website.

Coastal Sediment Benefits Analysis Tool (CSBAT)

1. No activities this period

D: Educational Documents

Biological Impact Analysis Phase 2:

1. SAICs re-revised schedule for deliverables is as follows:
 - a. User's Guide Draft Document Review: 2/14 - 3/11
 - b. BIA Comprehensive Document Review: 3/14 - 4/11
 - c. Work Plan & Recommendations Review: 4/11 - 4/22
 - d. FINAL DOCUMENTS: 4/29

Environmental Document, Southern Monterey Bay:

1. No CSMW activities this period.
2. John Doughty (AMBAG Executive Officer) reports that matching funds are not likely to be obtained from locals. Project is DITW.

PPR White Paper

1. No activities this period

E: Demonstration Project

Tijuana Estuary Sediment Study:

1. John Warrick will provide an update describing his analysis of the monitoring results in a near-future meeting.