



**CSMW Meeting Minutes  
USACE San Francisco  
20 MAY 2009**

**MEETING FOLLOW-UP ITEMS:**

- ✓ **Clif/Heather** to work on sending out letters to the next Coastal RSM Plan participants.
- ✓ **Clif/Chris/Heather** – work with regional groups (SANDAG, BEACON, etc) to come up with “Top 10” list of policy/regulation changes that would help them implement RSM, and invite these groups to attend the next full meeting of CSMW.
- ✓ **Clif/George/Brian-** Review Draft PPR Recommendations white paper to determine whether it can be of assistance in development of the State/Federal “top 10 list”, and determine if appropriate to send to regional groups to assist in their list development and CSMW meeting tentatively scheduled for August.
- ✓ August CSMW will be in person in LOS ANGELES – plan is to have a discussion with the regional groups on potential policy changes.

**Still pending:**

- ✓ CBRs/CBECS/CBEAS – Natural Resources Agency (**Chris**) is seeking Governor’s office approval to release the report to the public.
- ✓ SMP Status Report 2009- 99% done. **Chris and Heather** need to finalize.
- ✓ Discuss LIDAR needs at a future CSMW meeting – should we create a sub-committee?
- ✓ **George** to update CSMW on upcoming Corps dredging projects

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❖ **BEACON Coastal RSM Plan (Brian Brennan and Jim Bailard)**

- Completed RSM plan in January 2009
- Recommendations include projects, studies, policy and management activities.
- Compete with water supply, flood control, erosion control and development issues.
- Governed by local, state and federal statutes
- BEACON, in the past, has been project driven over time.
- Purpose of plan is to develop technically sound and politically realistic policies and implementation strategy.
- Plan elements:
  - Phase 1: ID essential sediment source areas and existing policies and constraints.
  - Phase 2: Stakeholder outreach and engagement – continued public involvement is a key element
  - Phase 3: Develop and execute policy and management solutions – carry out pilot program

- Identifying opportunistic sources of sediment – want to make sure BEACON is involved early in the process and have a checkpoint during the CEQA process to look at beneficial use of sediment (SANDAG is looking at something similar).
  - Santa Paula Creek (15-18 miles inland) – huge amount of sediment that may be sold to construction/mining companies instead of placing downcoast. Shouldn't this be considered an environmental impact? Not at this time.....
  - Santa Maria River
  - Matilija Dam
- Costs (BEACON has received funding for the RSM Plan (YR 1), but not for the implementation plan):
  - Year 1 = \$200K
  - Year 2 = \$475K
  - Year 3 = \$225K
  - Year 4 = \$100K
  - Total Cost = \$1M
- Lessons Learned:
  - Continual Involvement of the policy folks is important in order to get buy-in from the public – not just let the technical folks develop a plan, need to have an integrated approach among all of the players
  - Focus on the 80% of the points that everyone agrees on rather than on the 20% that people didn't agree upon.
  - Important to emphasize soft solutions.
  - Data gaps
    - Benefitted from original RSM plan developed in the early 90s
    - Sediment transport/budget groundwork was already laid out
    - Greatly benefitted from regional USGS studies
  - RSM Plan they have can be used as a work plan. Plan is readable – would be good to have a standalone plan, with technical data as backup/ available (perhaps on website...).
- Brian Baird – what part of implementation strategy can be developed and implemented with existing money and collaboration with other agencies and stakeholders.
  - Brian Brennan – also need to ensure that the state is backing up the local's approach
- For future meeting – have the regional groups present their Top 5/10 ideas of what could enhance the RSM plans with the locals?
  - Early goal of the CA Sediment Master Plan was to look at what policies and procedures need to be changed in ordered to support RSM planning and implementation – this is covered partly by the Policy, Procedures and Regulations Report, but need to add items and discuss implementation.
  - Suggest doing a panel presentation at H2O

❖ **Development of Humboldt Bay Coastal RSM Plan (Adam Wagschal)**

- Region: Trinidad Head to False Cape – RSM plan will cover the Eureka Littoral Cell
- Humboldt Bay Harbor District – established in 1970
  - Manage the bay for commerce, navigation, fisheries, recreation, other.....
- Territory is the entire county, but regulatory jurisdiction is only within the harbor to the MHHW line
- Project 2008/09 Gross Income is \$3.3M
- Have about 100 Policies
  - HWM-6 Policy states that the Harbor will development a management plan
- Second largest natural bay in CA (17,000 acres)
- Have several ongoing wetland restoration projects
- Cargo tonnage: 700,000-1,200,000 MT/yr
- River Inputs: Eel River, Mad River, Salmon Creek
- Shoreline Erosion: USGS study looking at historic images to calculate erosion – have maps digitized – they have a CD available
- Bluff Erosion – Mckinleyville
- Stormwater drainage issues
- Dredging
  - Federal Navigation channel dredging – material placed at HOODS (about 4 miles offshore)
  - Local dredging – a lot of the material is pumped to the beach and placed in the winter (Coastal Commission raised an issue of toxics being present in the material – still working through that issue)
    - Looking at upland disposal
    - Disposing at HOODS
- Study looking at Long-term Management Plan with the Corps regarding the entrance (shoaling, structures, dredging, etc)
- Have successfully completed projects and studies through collaborative efforts.
- How will the harbor district work with other entities outside of their jurisdiction? Still working on this issue – may form a JPA amongst the stakeholders to be able to address issues within the entire littoral cell.

❖ **Offshore Maps (Sam Johnson)-** The offshore maps from Point Mugu to Point Conception have been completed and will be available soon.

### ❖ **Sea Level Rise Hazard Study (David Revell)**

- PWA completed study for the Pacific Institute – which is ultimately for the OPC, CalTrans and CA Energy Commission
- Project Objectives: Map flood and erosion hazards and id vulnerable infrastructure and the costs of adaptation.
- Sea levels oscillate through time.
- GCM (global climate model) from Scripps has 2 scenarios – 1.4m and 1.0m – looked at SF and Crescent City – 3 planning horizons 2025, 2050 and 2100
- Developed maps of flood and erosion hazards for CA coast
- Mapping erosion hazards:
  - Climate change → total water levels → compared to elevation of the toe of cliff or dune → then looked at erosion response → shore change
- Study Area – Oregon border to Santa Barbara Harbor
  - Broke study into backshore types (dune/inlet, cliff/bluff, landslide and armored)
  - GIS data: shoreline inventory, geology, armoring, landslides, LIDAR, bathymetry, sandy shoreline change rates, cliff erosion rates
  - Scale of analysis = 500m blocks
  - CDIP models transformed waves at 140 nearshore locations at 10m depth (O’Rielly)
  - Generated Total Water Level exceedance curves at each block
  - Have GIS data of results (Hazard Zones) – available at [www.pacinst.org](http://www.pacinst.org)
  - Results – Dunes (185 miles)
    - Majority of region accreting
    - Reversal in sign seen between 2050 and 2100 (from accretion to erosion)
  - Results – Cliffs (710 miles)
    - Mean erosion distance by 2100 = 60-65m
    - About 41miles<sup>2</sup> lost to erosion by 2100 (but there are gaps in the study area)
  - Economics
    - Erosion Damage: Pacific Coastal = \$3.6B
    - Flooding Damage:
      - Pacific Coastal property value = \$37B
      - SF Bay = \$62B
  - Population at Risk = 465,000
  - Also looked at wetland migration and their viability in the SLR scenarios – report states that only 49% of the wetlands in Santa Barbara County have been mapped.
- Policy and Management Recommendations (see report [www.pacinst.org/sealevelrise](http://www.pacinst.org/sealevelrise) )



- Case Study – Isla Vista
  - Coastal Commission denied permit for a seawall, forced into managed retreat scenario, cut house in half and built on landward side of property..... there is now a beach in front of the bluff (which would not be there if the shoreline had been hardened)
- Dune accretion rates are shown in the long-term record (from USGS reports)

## ❖ **PM Report**

### *Coastal RSM Plans:*

1. **SANDAG:** Board of Directors is adopting Plan (consent calendar) on May 22, 2009. Environmental Work to Support SANDAG RSM Plan- Draft Description of Proposed Action and Alternative (DOPAA) and Field Studies report for 12 sites still under review. GIS layers recently submitted and are being reviewed prior to posting to WebMapper.
2. **BEACON:** Scope of Work for Programmatic EIR has been reviewed and comments provided to Beacon staff. Further discussions on how BEACON anticipates implementing the Plan is subject of their presentation today. Awaiting submittal of GIS information for WebMapper
3. **AMBAG:** Southern Monterey Bay Coastal Erosion Workgroup meeting next week to discuss consultants efforts to date on Feasibility Analyses contract (MBNMS) and how the Programmatic EIR effort will initiate as soon as appropriate data from the Feasibility Analyses becomes available. GIS layers are available on WebMapper, under the “Coastal RSM Plans” heading.
4. **New Plans:**
  - **Orange County-** USACE ready to initiate activities (funding available)
  - **Santa Cruz littoral cell-** AMBAG is ready to initiate activities once CIAP funding becomes available. John Doughty (AMBAG Executive Officer) has been in discussions with ABAG about how they could jointly cover the entire littoral cell.
  - **SF Littoral Cell-** Workshop on physical processes and general governance needs held at USACE on May 4, 2009 to educate CSMW and reach out to stakeholders. Final decision on how to structure the upcoming effort with BCDC and others expected in executive session today.
  - **Eureka littoral Cell-** Adam Wagschal from Humboldt Bay Harbor, Recreation, and Conservation District will give overview of their organization and vision for developing a Plan at today’s meeting.



### *CBECS (CA Beach Erosion Concern Survey):*

1. Figures showing locations of all BECAs identified to date and Sediment sources with spatial information available to CSMW have been revised.
2. Chris is currently circulating GOAR to obtain final approval of the document
3. There is a concern from Brian over the title of the report (the term “concern” is misleading – sounds like a public opinion survey). New name suggested- California Beach Erosion Assessment Survey
4. Suggest hyperlink to the Pacific Institute’s Sea Level Rise report, which identifies specific Erosion Hot Spots

### *WebMapper*

1. John Carotta has continued to post upgrades to the spatial data website accessible through the CSMW website. Over 30 types of spatial data are now available for review (and downloading) set against an integrated world-wide imagery and base map coverage.
2. System developed with CERES to allow for periodic updates by John seems to be functioning relatively well. Typical procedure is for John to post his upgrades to bulletin board on Friday and Eric (CERES) has them loaded and available on Monday.
3. Per Melissa Miller-Henson’s request at our last face-to-face meeting, the spatial data layer depicting existing MPAs along the coast has been edited to allow differentiation between state and federal MPAs.
4. Spatial data from the AMBAG and SANDAG (partial) Coastal RSM Plan development is included in the list of available data types to review or download.

### *Biological Impact Analysis Report*

1. CSMW subcommittee met to evaluate SAICs proposal to upgrade/enhance the BIA and determined that it was beneficial to fund all recommended additional efforts through:
  - DBW funds currently available (\$30K)
  - USACE funds in two parts using this year and next year’s monies (approx \$60K total), and
  - MBNMS funds allocated to the effort (approximately \$30K).
2. SAIC has developed proposals for each funding source, and they are currently under review by each CSMW partner.

### *Sediment Master Plan Status Report 2008*



1. The report was updated with latest CSMW accomplishments, streamlined, checked for internal consistency and the latest CBECS figures. Table of contents needs to be reset (Chris), and SMP figure needs update (Heather)
2. Some RSM figures could be upgraded, dependant on timing of report release and USACE efforts.

#### *Agency Coordination:*

1. Presentation on RSM and impact of sediment detention in the watersheds has on supply of coastal sediment made to SWRCB's Urban Runoff Task force
2. Meeting with AMBAG EO and MBNMS to discuss future efforts included in vision for the region and AMBAGs involvement and lead in those efforts.
3. Provided comments on "Beach Manipulation Paper" to Science Advisory Team for southern California MLPA effort.

#### *CSMW Website*

1. Miscellaneous update activities

#### *CSMW Reference Database*

1. Awaiting submittal of references from SANDAG/Moffatt Nichol used in compilation of Coastal RSM Plan

#### *Coastal Sediment Benefits Analysis Tool (CSBAT)*

1. A/E should have next version of CSBAT tool ready in the next couple of weeks

**NEXT MEETING  
Conference Call  
June 17, 2009  
9:30-11:30**



## CSMW ATTENDEES

| Name              | Organization                 | Phone        | E-mail   |
|-------------------|------------------------------|--------------|--|
| John Dingler      | USACE – SF                   | 503-729-2492 | <a href="mailto:John.R.Dingler@usace.army.mil">John.R.Dingler@usace.army.mil</a>           |
| Sam Johnson       | USGS                         | 831-427-4746 | <a href="mailto:sjohnson@usgs.gov">sjohnson@usgs.gov</a>                                   |
| Syd Brown         | State Parks                  | 916-653-9930 | <a href="mailto:SBROW@parks.ca.gov">SBROW@parks.ca.gov</a>                                 |
| Brenda Goeden     | BCDC                         | 415-352-3623 | <a href="mailto:brendag@bcdcc.ca.gov">brendag@bcdcc.ca.gov</a>                             |
| Carolynn Box      | BCDC                         | 415-352-3624 | <a href="mailto:carolynnb@bcdcc.ca.gov">carolynnb@bcdcc.ca.gov</a>                         |
| Clif Davenport    | CGS                          | 707-576-2986 | <a href="mailto:Clif.Davenport@conservation.ca.gov">Clif.Davenport@conservation.ca.gov</a> |
| George Domurat    | USACE – SPD                  | 415-503-6575 | <a href="mailto:George.W.Domurat@usace.army.mil">George.W.Domurat@usace.army.mil</a>       |
| Brian Baird       | CA Resources                 | 916-657-0198 | <a href="mailto:Brian@resources.ca.gov">Brian@resources.ca.gov</a>                         |
| Chris Potter      | CA Resources                 | 916-654-0536 | <a href="mailto:Chris.potter@resources.ca.gov">Chris.potter@resources.ca.gov</a>           |
| Kim Sterrett      | DBW                          | 916-263-8157 | <a href="mailto:Sterrett@dbw.ca.gov">Sterrett@dbw.ca.gov</a>                               |
| Heather Schlosser | USACE – LA                   | 213-452-3810 | <a href="mailto:Heather.R.Schlosser@usace.army.mil">Heather.R.Schlosser@usace.army.mil</a> |
| Steve Aceti       | Coastal Coalition            | 760-612-3564 | <a href="mailto:steveaceti@calcoast.org">steveaceti@calcoast.org</a>                       |
| Doug George       | OPC                          |              | <a href="mailto:dgeorge@scc.ca.gov">dgeorge@scc.ca.gov</a>                                 |
| Jim Haussener     | CMANC                        | 925-828-6215 | <a href="mailto:jim@cmanc.com">jim@cmanc.com</a>   |
| Lesley Ewing      | Coastal Commission           | 415-904-5291 | <a href="mailto:lewing@coastal.ca.gov">lewing@coastal.ca.gov</a>                           |
| Brian Brennan     | BEACON                       | 805-654-7740 | <a href="mailto:BBrennan@ci.ventura.ca.us">BBrennan@ci.ventura.ca.us</a>                   |
| Jim Bailard       | BEACON                       |              | <a href="mailto:jbailard@sedcontech.com">jbailard@sedcontech.com</a>                       |
| David Revell      | PWA                          | 415-262-2300 | <a href="mailto:D.Revell@pwa-ltd.com">D.Revell@pwa-ltd.com</a>                             |
| Adam Wagschal     | Humboldt Bay Harbor District | 707-443-0801 | <a href="mailto:adam@portofhumboldt.org">adam@portofhumboldt.org</a>                       |
| Nate West         | USACE – LA                   | 213-452-3801 | <a href="mailto:Nathaniel.R.West@usace.army.mil">Nathaniel.R.West@usace.army.mil</a>       |
| Frank Wu          | USACE – SF                   | 415-503-6902 | <a href="mailto:Frank.Wu@usace.army.mil">Frank.Wu@usace.army.mil</a>                       |
| Susie Ming        | USACE – LA                   | 213-452-3789 | <a href="mailto:Susan.M.Ming@usace.army.mil">Susan.M.Ming@usace.army.mil</a>               |
| Tom Kendall       | USACE – SF                   | 415-503-6822 | <a href="mailto:Thomas.R.Kendall@usace.army.mil">Thomas.R.Kendall@usace.army.mil</a>       |

