



**CSMW Meeting Minutes
Conference Call
19 November 2008**

MEETING FOLLOW-UP ITEMS:

- ✓ Brian will bring someone from MLPA process to talk at the December meeting

MEETING FOLLOW-UP ITEMS from Past Meetings:

- ✓ Clif, Brenda, Patrick (USGS), Bruce (USGS), and Tom will work on better defining the San Francisco Bay RSM Plan – highlight at the next meeting in January – Meeting was held and BCDC is prepared to submit a proposal – still defining the potential area
- ✓ Clif will work on site selection criteria – sent out in October – no input received
- ✓ RSM Plan – regional groups – if anyone has contact info, please send out – did not receive contact info
- ✓ CBReS – has been to routed at Resources Agency – still waiting for approval (or for release to the public for comment period in January) – may want to release at February’s OPC meeting to get further discussion
- ✓ Clif, Chris, George and Heather will make a first cut at rewriting the Status Report on October 21st – we did meet - working on draft now – would like to have draft out late December for CSMW comment
- ✓ Clif and Heather will investigate whether the report could be adapted into a website product, with GIS figures that could be used to bring up individual project pages (long-term effort).
- ✓ Clif and Heather will develop and coordinate Request For Letters of Interest on CRSMPs from:
 - ABAG, NC IRWMP, Eureka (Humboldt Bay Harbor District), Santa Cruz (AMBAG), Orange County, Morro Bay, San Mateo County
- ✓ Discuss LIDAR needs at a future CSMW meeting – should we create a sub-committee?
- ✓ George to update CSMW on upcoming Corps dredging projects

❖ **Introduction**

- Brian
 - West Coast Governors Agreement will be looking at the 80/20 “Rule of Thumb” along with other issues. Sub committee to look at how to implement regional plans (group includes George, Lesley, Brian Ross, Jim Haussner and others)
 - Climate Change – looking at various scenarios – will discuss more in depth at next meeting
 - OPC meeting in LA in next 2 days – looking at restriction of plastics
 - Finished chairmanship of the Coastal States Organization – pushing for assistance of climate change

- George
 - New administration – a lot of things are up in the air in terms of potential new focus areas, budget, etc
- Sam Johnson
 - USGS and USFWS – hosting a conference on Climate Change and the Coast – January 28-29, 2009 in San Francisco
 - New title for Sam (was in a rotational position) – Mike Carr will replace him, but Sam will still attend CSMW
- ❖ **Tijuana Fate and Transport Demo Project – Jon Warrick and Karen Bane (presentation)**
 - Background – looking at providing technical data that will allow amending the 80/20 “Rule of Thumb”
 - Pilot project at the Tijuana Estuary to look at the transport and impacts of fine-grained sediment placed in the surfzone
 - Challenges
 - Permitting
 - Border Fence construction – security issues
 - Haul Road starting failing during 1st placement – working on a new design for the road
 - 1st placement out of 3 completed - ~40% fine-grained – coming from debris basin in the State Park – source of sediment is from the Goat Canyon watershed (in Mexico) – increased development within the watershed has greatly increased erosion – that fills up the debris basins beyond the designed capacity (designed to hold 50,000 – 60,000 cy)
 - October 4-13, 2008 – 10,000 cy
 - December 2008 – 10,000 cy
 - January 2009 – 40,000 cy
 - Research Questions
 - What are the dispersal pathways and patterns for fine sediment from the beach?
 - What is the fate of this fine sediment?
 - Data Collection
 - Background mapping (May-Sept.)
 - Six moored stations (installed mid-Oct.)
 - Beach water and sediment sampling (9 days) – before, during and after placement
 - Nearshore water and seafloor sampling (8 days)
 - Airborne remote sensing (3 days)
 - Currently have one camera looking at project site mounted on the mesa, with plans for a second camera to be pole mounted near the placement location – David Revell will send out web address once that is worked out
 - Preliminary Results
 - A turbidity plume is seen, but does dissipate rather quickly

- Transport of material – still analyzing data – seems to be a suspended sediment signal in the lower parts of the water column
- Background analysis shows that fine-grained sediment is present in the nearshore (about 10%)
- Schedule
 - Retrieve instruments in February
 - Last surveys in Spring '09
 - Prelim data results in Summer '09
 - Draft report in the Fall '09

❖ **Winter Storm Scenario for Southern CA (Coastal Hazards Project) – Patrick Barnard (presentation)**

- Study area is from Point Conception to the Mexican Border
- 100% funded by USGS – hoping to put together a model that can be moved to other areas
- Demo Project Objective: *Integrate multiple USGS research activities with the needs of external partners such as emergency managers and land-use planners to produce products and information that can be used to create more disaster-resilient communities*
- Coastal Erosion Objective: *To develop a real-time, state-of-the-art model for predicting coastal hazards along the Southern California coast.*
- Looking at the following physical conditions:
 - Large waves
 - Dangerous currents
 - Damaging winds
 - Elevated water level
- Looking at the following hazards:
 - Beach erosion
 - Flooding and inundation
 - Property damage
 - Cliff failure
 - Threats to public safety
- Primary Components:
 - High resolution DEM – 2 m resolution (fall and winter) – extract profiles for analysis every 100 m
 - Wave Model – using CDIP model (using Scripps' MOP sites)
 - Tide Model – Delft3D or Region Ocean Model System (ROMS)
 - Surge Model - Delft3D or Region Ocean Model System (ROMS)
 - Run-up Model
 - Longshore Transport Model
 - Profile Change Model
 - Cliff Failure Model
- Important Products/Predictions
 - Wave height
 - Currents

- Coastal flooding
 - Erosion
 - Cliff failure potential
- Validation – Winter Experiment 2009-2010
 - Rapid response (SCRIPPS in San Diego County and USGS in Santa Barbara County)
 - Run-up, flooding, profile change, etc.
 - Continuous video monitoring (Coastal Watch)
- Schedule
 - FY2008 – develop conceptual framework of model design
 - FY2009 – set-up preliminary model and testing
 - Winter 2009-10 – winter field test
 - June 2010 – coastal storm scenario demonstration with larger hazards group
 - FY2011+ - full model implementation (online?)
- Future Directions
 - Real-time integration
 - Develop partnerships to improve products and usage
 - Sea level rise impacts
- Early Warning System – how could that be implemented?
- Next Organizational meeting during AGU – December 14th at 4PM
- Sam Johnson- Google “1862 Winter Storm” to see what could happen.

❖ **BEACON RSM Plan – Brian Brennan and Jon Moore (presentation)**

- BEACON – JPA that encompasses both Santa Barbara and Ventura Counties
- Divided Shoreline into 3 regions (from Santa Maria River to Mugu Submarine Canyon) – North, Central and South Regions
- North Region – north of Point Conception – relatively natural, basically leave this region alone
- Central Region – Pt. Conception to Ventura River
 - Sediment Limited
- South Region – Ventura River to Mugu Submarine Canyon
 - Sediment Abundant
- Sediment is in:
 - Sea Cliffs
 - Rivers, creeks and streams
 - Harbors
 - Offshore
 - Inland
- Sediment in the Santa Barbara Littoral Cell is lost to the Mugu Submarine Canyon
- Challenges:
 - Coastal processes and sand sources
 - Watershed systems



- Development
- Governance
- Key Objectives:
 - Beach preservation and maintenance
 - Beneficial reuse of sand trapped at harbors
 - Preservation of natural sources of sediment delivery
 - Beneficial retrieval of offshore and inland sand sources to supplement the system
 - Implement innovative and alternative technology to maximize sand longevity on the beach – traditional solutions (groins and breakwaters) are politically unacceptable
 - Address funding needs
- Plan Recommendations – Region Wide
 - Studies:
 - Precisely characterize offshore sand sources.
 - Evaluate innovative ways and means to retain sand.
 - Evaluate local revenue sources and implement a program.
 - Management:
 - Coordinate with USGS and UCSB for long term monitoring.
 - Amend BEACON's SCCBEP permits to smaller scale.
 - Collaborate with federal, state, and local agencies.
 - Implement full time staff.
 - Policy:
 - Develop proposed guidelines for development.
 - Formulate an executable sand rights policy.
 - Projects:
 - Create a federal and state regional sediment management project authority that encompasses the BEACON area of jurisdiction.
- Next Step
 - BEACON review and approval – will be presented to the Board and to the public on 11/21/08 – will hopefully be adopted in January 2009.

❖ **MLPA Process – Should CSMW be involved?**

- Completed Central coast
- Completing North Central coast
- Currently looking at Southern CA – Pt. Conception to Mexican border
 - Big concern is if there is a potential for a Marine Reserve area
 - **Brian will bring someone from MLPA process to talk at the December meeting**
 - Questions:
 - Offshore Borrow sources

- Beach Nourishment restrictions- placement of sand and potential artificial reefs for retention purposes
- Do activities outside of an MPA impact the MPA – would this restrict certain activities?
- Dry sand habitats affected
- Surfzone habitats affected

❖ PM Report

- Sediment Master Plan Status Report 2008
 - Subcommittee meeting on 10/21/08 determined that best way to proceed was to split the 2006 Status Report into a Baseline Report (What is the SMP) and a Status Report (that would then be the document periodically updated).
 - Working drafts of both are circulating the table. These are works in progress and provided only to show where we're headed.
 - Final drafts of both documents should hopefully be available by December phone call, as well as a early draft of the 2008 bi-annual update.
- Coastal RSM Plans:
 - AMBAG adopted their Coastal RSM Plan on November 12, 2008. "Final" available on website (note size).
 - San Diego CRSMP submitted on October 2. CD and HS submitted comments to SANDAG- the document has most of the elements needed but is poorly crafted and written.
 - Jon Moore presenting BEACON draft CRSMP today; public meeting scheduled November 21, 2008 in Carpenteria.
 - BCDC presented case for CSMW funds to augment their efforts at CRSMP for San Francisco Bay and open coastline. Proposal to be submitted when CSMW releases Request for Letters of Interest, round 2.
- California Beach Restoration Survey (CBReS)
 - Clif and Chris have been working to address remaining issues.
 - PWA to review and provide input on sea level rise considerations
 - Chris and Brian to discuss status/future today.
- Tijuana Estuary Sediment Study (TESS)
 - First placement of sediment (10,000 cy) occurred from November 4-13.
 - Jon Warrick and Karen Bane to describe placement events today. Jon's presentation is posted on ftp site.
- GIS/IMS
 - John Carotta has returned from Fire deployment, and is working to debug the web-mapping tool. Hopes to have his part (not CERES efforts) done by weeks end. Project schedule continues to be impacted by limited availability of CERES staff.



- Coastal Sediment Benefits Analysis Tool (CSBAT)
 - Will update in January
- CSMW Website
 - Miscellaneous update activities
- Coastal References Database
 - Student assistant has been re-hired and has entered all references currently keyed for her.
 - John and Clif will be working with CRSMP consultants to get their references into the Access database
- Biological Impact Analysis Report (aka Review of Biological Impacts Associated with Sediment Management and Protection of California Coastal Biota)
 - Comments received from CA DF&G; no more review anticipated at this juncture
 - SAIC has received all comments, and is working to develop a proposal to address all comments
 - Funding for this effort remains to be quantified.
- Policy, Procedures and Recommendation (PPR) - Recommendations White Paper
 - Still awaiting input from subcommittee members on elements identified by subcommittee as worthwhile to include in the white paper.

NEXT MEETING
Conference Call
December 10, 2008
9:30 – 11:30



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