

**CSMW Meeting  
San Francisco, CA  
July 6, 2006**

**Action Items:**

1. Management Team is putting together SMP Progress/Status Report
    - a. Problem Definition - Chris
    - b. Implementation Schedule- Clif, Karen Be., Heather
    - c. RSM Pilot/Case Study - Subcommittee
  2. CSMW – send comments on March and May’s meeting minutes to Karen Berresford by next meeting.
  3. Karen Bane – provide wetlands shapefiles to USACE/MaLisa Martin
  4. Comments are due NOW to Clif regarding the Beach Restoration Guide
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- ❖ Sam Johnson- usSEABED – offshore sediment database has been updated and is available online. CGS/CalTrans project information still needs to be incorporated
  - ❖ Brian will be chair of Coastal States Organization in October
  - ❖ OPC – has been working on strategic plan with Coastal Conservancy staff. The Strategic Action Plan has been approved
    - Regional Sediment Management is listed as an Objective of the Plan (Page 13) and calls for working with CSMW for the implementation of the Sediment Master Plan.
    - The Plan will guide OPC for the next 5 years
    - CWO 2006 will focus on the Plan – what people think should happen with the Plan
    - Brian: What will we have in September in terms of the Master Plan?
      - Karen Be. : the SMP Progress Report will be assembled for CSMW review by the end of July so that comments can be obtained and incorporated in time for CWO 2006.
  - ❖ CWO – 63 concurrent sessions
    - May have the Governor
    - Key Congressional members invited
    - US Ocean Commission – luncheon talk
    - **Make sure you sign up early, may over sell**
    - Early sign-up is sometime in August (\$95)
      - Dinner Tuesday night is \$30
    - Sessions
      - Physical Processes – 7 sessions
        - Coastal Hazards – Griggs
        - Sea Level Rising – Ewing
        - Coastal Bluff Erosion – M. Johnson
        - RSM in central CA – Ewing
        - Shoreline and beach management – Flick
        - Sustaining Beaches thru RSM – Baird and Domurat

- Master Plan Tools – Davenport
- ❖ George – start thinking of bigger picture
  - Looking at sedimentation issues from rivers into the San Francisco Bay
    - not getting as much sediment delivered into the Bay as in years past
    - should we get involved in Bay issues? Talk with BCDC and LTMS
    - Discussion- we need to make sure we have our hands around what we're currently trying to achieve before expanding our efforts to take on additional issues
- ❖ Need a better connection to other groups – CMANC, etc
  - CMANC – Decision made to invite them now and have them start participating
- ❖ SPD Tactical Thinker – Mike Bratlien – in Programs - available to help work through issues with other agencies – Steve Browning's replacement
  - Would be part of Executive Committee for CSMW
- ❖ August 4, 2006 – change of command for Gen. Schroedel
- ❖ Meeting minutes for March and May – Lesley and Clif have provided comments
  - Send further comments to Karen Berresford before next CSMW meeting. We will adopt March, May and June's minutes at august meeting.
- ❖ Sediment Master Plan Progress Report (Karen Be.)
  - Subcommittee is in process of determining what the end of the SMPPR will look like (ie last chapters)
  - Also working on flowchart (example provided) of how the SMPPR will be utilized by sediment suppliers and demanders
  - Working on:
    - Problem Definition - Chris
    - Implementation Schedule- Clif, Karen Be., Heather
    - RSM Pilot/Case Study - Subcommittee
  - Working on guidance on how groups will use the SMPPR tools
  - Pilot/Case Study(ies)
    - Need to match up sediment source(s) with sediment demander
    - 2 studies to incorporate harbor and wetlands
  - What is doable by September?
    - CSAT in Ventura/Santa Barbara
    - Coastal Commission is going thru projects right now that could benefit from Master Plan tools, but we still don't have a procedure to match up sediment demanders and suppliers
    - There are wetlands in Ventura Co. that can/should be included in CSAT for September
  - DBW is working with folks in San Diego to match up demanders and sources
  - Will have DRAFT Progress Report distributed to CSMW by the end of July

- Inventory of S. CA wetlands- Karen Bane to provide shapefiles to LAD (Malisa?)
- Tijuana Estuary – have lots of sand, need disposal options
  - Questions regarding the 80/20 rule
  - Regional Sediment Budget Study (draft) indicates coarser sand in Estuary, increasingly finer-grained beaches moving to the north.
  - Imperial Beach, a high-priority CBRs site, is also located within the littoral cell (Silver Strand).
  - SCC is about ready to go into design for Estuary restoration (and sediment removal).
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  - Can we incorporate the Estuary/CBRs project into the SMPPR as a potential Regional RSM Plan?
- Detailed study on the effect of fine-grained sediment on beaches – how long does it stay on the beach
  - Most beaches in S. CA were nourished with available material, irregardless of sediment size

#### ❖ PM Report

- Brochure – ready for ICCE. Need to have large order printed
- Have booth for ICCE, will have one for CWO[
- Economic Analysis-
  - Dr. King has reviewed Peer Review comments and proposed a two-pronged approach for future efforts.
    - Review Southern California Beach Vvaluation Project to develop a better day use value that can be used to calculate recreational values for increased beach width
    - Make improvements to Benefit Transfer Model as “place holder” that will stand up to public scrutiny
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      - Need more funding allocated for the economic development of CSAT
        - Benefits function needs to be improved
      - Attendance Numbers – for the state
      - Refining Model, collecting data at various sites, can update numbers using data already collected
      - Updating parking info....
      - Effect of beach nourishment on attendance numbers? – could use to validate CSAT
- usSEABED
  - CGS received report from Jane Reid – USGS has entered in additional offshore data from Osbourne (1983) and SANDAG (1999) reports into the database.
- Website – sent out “hits” report (Nov 2005– May 2006) – close to 2000 hits on the Sediment Master Plan page
  - Still significant interest in 2001 RSM workshops

- Significant interest in the Library
  - GIS Workplan – draft Final SOON
  - IMS – should be up in August
  - GIS – DBW has provided funding for GIS technical support from CGS over the next 2 years
  - Sediment Budgets
    - Griggs is revamping the Littoral Cells/Beach Nourishment white paper based on PPR subcommittee comments
    - DBW has set aside funds to print large order of white paper, once it's acceptable to CSMW
  - PPR
    - Beach Restoration Guide – comments are due to Clif NOW
    - Beach Restoration – focuses on regulations that local/city user needs to address to get sand on their beach – provides background, agencies to deal with and then specifics with flowchart to move them through the process. Meant to demystify the process. FINAL in JULY/AUGUST (assuming comments received in very near future)
    - PPR Recommendations Report- SCC has provided additional funding to Everest team to get them back working during the workweek and to procure assistance to complete the local and federal PPR assessments.
  - Biological Impact Analysis – DBW has provided additional funding for SAIC to move on this project – define impacts on biology and mitigation measures – streamline permitting process. Karen Green had a lot more species/habitat to look at due to regulatory involvement and requests during initial stages of the project. This document will help the Ocean Protection Council meet its objectives as it discusses individual species, critical habitats and requirements, levels of impact and appropriate remedial activities associated with sediment management activities, incubator areas and requirements; and compiles extensive references for eventual inclusion within our References database.
- ❖ Sacramento to San Francisco Beach – Sediment Dynamics – Peter Mull
  - Shoals inside the Bay – need to look at link between size and sand mining
  - USGS (Barnard) – shrinkage in shoal is in proportion to sediment mined
  - Levees and delta – how is sand coming down?
  - Need better mapping of the Bay
  - MMS is looking at sand offshore
  - Met with BCDC (Steve Goldbeck) to brainstorm putting together a study scope for the next couple of years (for the whole watershed) – will have in 3 months
    - GIS tool
      - Bathymetry maps, mining debris, erosion problems due to toxicity, reference papers
      - Understanding sediment flow thru the system
    - Conceptual model

- Difficult to have one hydrodynamic model for the whole system
  - Need to figure out how CSMW wants to get involved – come talk to CSMW at next meeting (mid-August)
  - 306,000 cy placed again near Ocean Beach this year (year 2 of demonstration)
    - Pre and post multibeam survey, will do another survey in October
    - Continuing to seek funding – looks positive
    - 933 project looks at placement on the beach next year
    - To examine nearshore area for designation as a permanent disposal site
    - Not doing biological benthic studies right now
    - MMS looking to support EIR/EIS activities
  - Section 933 – O&M authority, partnering with the State (DBW) and City of SF
    - Streamlined study
    - Demonstrate positive B/C ratio
    - Comply with NEPA
    - Soft solutions (compatible with 933) were preferred by stakeholders in Ocean Beach GI Study
    - USGS building Delft3D model
    - City collecting economic data
    - Differential cost of placing sediment on the beach is cost-shared (65 fed/ 35 non-fed)
    - Study usually costs \$300-500K
- ❖ CSAT (CSBAT)
- 2 major components (engineering (costs) and economics (benefits))
  - Still have data gaps – mainly related to sediment size
  - Can have tool calculate quantity needed based on increase in beach width
    - Direct placement or nearshore
      - Newport Beach and Oceanside – nearshore placement, used to back calculate how much sediment will get on the beach
  - 4 source sites and 8 receiver sites
  - 4 transportation methods – train, truck, pumpout, scow/tow
  - Nourishment costs are calculated based on transportation methods, have dredging costs (\$4/cy for harbors and \$8/cy for Matilija), which can be updated for site specific data
    - Using wetlands as a source – could have a separate dredging costs
  - Rail transportation – have trucking as well as rail costs – need to get material from the rail to the beach, need trucks
  - Economic Variables – day use values, state and local spending
    - Storm Damage Reduction – benefit not defined, very difficult to implement at this planning level
  - How-to manual – will have draft soon
  - Technical Manual – will send out for comments
  - Alternative – a collection of scenarios – mob and demob costs are combined for each alternative

- Scenario – mob and demob costs are not included in each scenario because they are combined with the various scenarios for each alternative, which is a collection of scenarios
- There are additional benefits of placing sand at the site because there are costs to place it somewhere
- Using hopper dredge and mob/demob costs – difficult because dredging and transportation costs are combined
- Can compare various alternatives
- Environmental Factors – don't identify Threatened & Endangered (T&E) species specifically
  - Data is limited to ESI maps, could augment accordingly
  - DFG data still not consistent
  - Add T&E species in a yes/no/unknown format?
- Add Infrastructure amenities that would be associated with storm damage reduction (#structures, roads, utilities, etc.) – can add as an attribute
- Calibration of model – any projects that we could reanalyze using this tool?
- Look at taking out dredging costs for projects that the Corps is already dredging
- Need to add other sources of sediment – debris basins, wetlands, offshore
- May be an issue of looking at wetlands as a source because of lack of grain size info
- Adding debris basins – is that easy? Costs of debris basins vs a dam – costs would be quite different
- Important to evolve the CSAT towards being able to handle all potential sources of sediment in a region as it may become the basis for the regional RSM plan

#### ❖ State Activities

- Budget is passed
- \$200K for Master Plan
- \$300K for Coast of CA, SB and Ventura
- XX Solana/Encinitas
- Was able to get some end of year funding for Master Plan
  - Clif
  - GIS – 1 person, ½ time for 2 years
  - \$100K – Development of a regional RSM plan in San Diego County
  - \$100K – fine grained sediment transport and fate (Tijuana Slough)

#### ❖ LA Activities

- Tony Risko has left the Corps for PBS&J
- Huntington Harbor, Orange County Shoreline, Oceanside, 227, Coast of CA (SB, Ventura) – did not get money in president's budget, Senate, House
- 227 - have 100% design, but not plans and specs
  - Coastal America – interested in building reefs around the country
- National Dredging Meeting/RSM meeting for the Corps in Portland in August

❖ SF Activities

- Ocean Beach
- Proposals for new starts:
  - Coast of CA for Big Sur, southern Monterey Bay with CalTrans as non-fed sponsor
    - Could we look at an RSM project instead?
  - San Clemente Dam and Carmel River – look at removal instead of “fixing” the dam

**NEXT MEETING AUGUST 16<sup>TH</sup>**  
**SAN FRANCISCO**  
**9:30 – 1:30**

### ATTENDEES

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