



**CSMW Meeting Minutes
January 15, 2014
9:30 AM – 12:00 PM
USACE, San Francisco District**

❖ **Welcome and Introductions (Chris Potter)**

Review of meeting minutes and action items from 11/20/13 meeting (Heather Schlosser, USACE)

NEW ACTION ITEMS:

- **Heather** – circulate list of expert reviewers for National Shoreline Management Study report.
- **Heather/Susie** – send revised dates and locations of public meetings to CSMW once David Cannon has completed revisions.

PREVIOUS ACTION ITEMS:

- **John** – Contact Patrick about report (Ocean Beach) – Not done yet. There was a question as to which report was to be reviewed. John stated that he is asking Patrick to look at ESA-PWA's work. **Still Pending**
- **Chris Potter** to talk with Patrick Barnard regarding future presentation on SF Bay papers – Still ongoing. Patrick is interested, and the team needs to schedule a date. **Chris spoke to him – will include in future presentation**
- **Chris Potter** to continue to bring up designation of sediment as clean with State Water Board (Noyo) – Dialogue initiated with Paul Hahn –**Chris has been speaking with Greg Gearheart at State Water Board. Webinar on Nov 21st was well attended and interested in CSMW.**
- **Jon Warrick** – follow up on Klamath Dam removal process monitoring– Jon Warrick will follow-up regarding monitoring (find out organization). Still ongoing. There was discussion about inviting a speaker to address Klamath Dam Removal. **No update**
- **Heather/Chris/Brian:** Talk with Brian Ross about his availability for Beneficial Use discussion – **STILL PENDING. Brian Ross wants to follow through soon, and will coordinate with Chris Potter and Heather Schlosser.**

COMPLETED ITEMS:

- CSMW group to get together to plan upcoming workshops to address general scientific needs for CSMW. Jim Haussener suggested scheduling workshop(s) to coincide with the PIANC meeting in June. **DONE** – David Cannon will discuss with CSMW today
- **Chris Potter** to discuss proposal regarding pilot project with Jon Warrick. Have had discussion – will discuss for upcoming workshops (general scientific needs for CSMW).



- **ALL** - National Shoreline Management Study – John and Heather have submitted comments. Consultants are working on revisions. Susie and Heather are coordinating “expert” review.

❖ **Update and Discussion: Plans for CSMW Public Meetings in 2014 (David Cannon, Everest)**

- Proposal:
 - *Costa Mesa* - This meeting will cover the Los Angeles and Orange County coastal areas. If available, the meeting will be held at the Southern California Coastal Waters Research Project (SCCWRP) in Costa Mesa. This location was used successfully for stakeholder meetings associated with the Orange County Regional Sediment Management Plan. The meeting will be held in mid February 2014.
 - *San Diego* - This meeting will cover the San Diego County coastal area. If available, the meeting will be held at the San Diego Association of Governments (SANDAG) office in downtown San Diego. This location was used successfully for stakeholder meetings associated with the San Diego County Regional Sediment Management Plan. The meeting will be held in late February 2014.
 - *Santa Barbara* - This meeting will cover the Santa Barbara County and Ventura County coastal areas. If available, the meeting will be held at the Santa Barbara County office. This location was used successfully for stakeholder meetings associated with the Santa Barbara and Ventura Counties Regional Sediment Management Plan. The meeting will be held in early March 2014.
 - *Monterey* - This meeting will cover the Monterey Bay Littoral Cell and nearby coastal areas. If available, the meeting will be held at the Monterey Bay Aquarium in Monterey. The meeting will be held in mid March 2014.
 - *Santa Cruz* - This meeting will cover the Santa Cruz Littoral Cell and nearby coastal areas. If available, the meeting will be held at the University of California in Santa Cruz. The meeting will be held in late March 2014.
 - *Eureka* - This meeting will cover the Eureka Littoral Cell and nearby coastal areas. If available, the meeting will be held at the Humboldt Bay Harbor Recreation and Conservation District office in Eureka. The meeting will be held in early April 2014.
- Comments:
 - Santa Barbara meeting – include outreach to San Luis Obispo (including Morro Bay). Reach out to Gerald Comati (BEACON).
 - Stakeholder outreach – start with the mailing lists from each of the RSM plans. OPC and NRA also have large contacts lists that would be good to use for invitees.

- Clif suggests Moss Landing as a meeting location.
 - Suggest combining Monterey and Santa Cruz meetings so that a meeting can be held in San Francisco
 - San Francisco – Include Marin and Sonoma Counties. General science meeting?
 - San Francisco Bay Model?
 - State Building in Oakland?
 - Aquarium of the Bay?
 - Port of San Francisco?
- David will need to coordinate with Brad Damitz for Monterey Bay.
- Need to look at compact schedule. Want to be able to use lessons learned from one meeting at the next. Suggest one meeting a month.
- Draft list of current sediment activities and get input from meeting attendees.
- Mark suggests starting with areas that are well underway and wrap up with ones that are under development. Wrap up in San Francisco. Eureka #4; Moss Landing #5; San Francisco #6.
- Chris suggests that David reach out to the CSMW to add people to the contacts list. Include all the harbor contacts. Chris will help with contacts list.
- How will the agendas be developed? David will develop a draft, then get comments from CSMW.
- Clif – make sure that the PA system is sufficient for the size of the room.
- David Cannon will revise the dates and locations of the public meetings based on the discussion today and Susie/Heather will send out revisions to CSMW.

❖ **Presentation: Ongoing California Beach Research (Bob Guza, Scripps)**

- Major issues in southern CA
 - HWY 101 and Torrey Pines State Beach – extremely close
 - Railroad very close in certain areas.
 - Rivers and cliffs no longer provide sediment to beaches
 - 40% of cliffs in northern San Diego County are armored
- Flood risk in the long-term
- So much of the damage comes from storms. If we have sea level rise without storms, we would probably be ok in southern CA.
- Waves
 - There are quite a few buoys in southern CA and models being used that we have know the wave climate
 - Coordinating wave models with sediment transport models
- Beach Sand Levels, including Nourishments
 - Data being used for sediment transport
 - In-situ: Cardiff, Torrey Pines and Imperial Beach – currently collecting monthly beach profiles

- Biannual LiDAR
 - Biannual – Coastal Frontiers collecting data for SANDAG
 - Beach widths – Mean Sea Level to the back beach
 - Most erosion was during the 2009/2010 El Nino season
 - Currently beaches are very wide – beaches are still accreting – this has been a very mild winter season so far.
 - During El Nino, there were areas, especially around Seal Beach, that did not erode.
 - Equilibrium and Cross-shore Transport
 - Trying to use simple models to get the gross picture rather than a very detailed picture. There are a lot of variables that can be tweaked and it gets very complicated.
 - Under steady wave conditions, a beach will evolve toward a unique, wave condition dependent, equilibrium beach profile.
 - A beach will respond differently to the same wave height, depending on the condition of the beach (it could either erode, accrete, or stay the same). Narrow beach may accrete and a wide beach will erode.
 - The further away a beach is from equilibrium, the faster the beach changes.
 - Models often over predict changes because beach erosion is oftentimes limited by the depth of sand (i.e. there is bedrock under the beach). Bedrock layers can be included in models, however, we need to know the depth of the sand layer.
 - Imperial Beach – placed 300,000 cubic meters in 2012
 - Sand was coarser than native
 - Sand is mostly moving alongshore rather than cross-shore
 - Models did not correctly predict movement of sediment
 - There has been flooding
 - The sand soaks up the water at high tide – then the water seeps out and into houses and streets.
 - Crown berm developed at the edge of the berm – as the high tide comes in and wave runup cause water to pond behind the crown berm.
 - Cardiff and Solana Beach – nourishment performed differently – moved offshore
 - Surf Breaks – Imperial Beach seems to be coming back
- Runup
 - How high does the water go inland?
 - Not much runup data for 6meter plus high waves
 - Speculation that at some point, the runup does not increase for higher waves.
 - Now have data for Agate Beach, OR and will be able to analyze runup for large waves (25 ft)
- Future Work



- Continuing surveying and equilibrium model development
- Track Imperial Beach nourishment
- Buoy network and global wind fields – want to combine both models for better prediction
 - Where should buoys be for adequate coverage? They need to be optimized for a regional map.
- Observe runup on built berms (i.e., winter berms)
- Comments/Questions
 - Must understand the waves (i.e., buoys) in order to understand sediment transport
 - Buoy network started in 1975
 - Need a modern buoy network – some places need buoys, some places are fine with model outputs
 - Additional monitoring for the SANDAG project is needed to really monitor the nourishment project and track the sand movements.

❖ **Update: AB 976 (Atkins, D-San Diego) (Steve Aceti, CalCoast)**

- 2 year bill that would give the CCC the power to levy administrative fines for violations of the Coastal Act
- No updated given during the meeting

❖ **Updates: Federal Agencies**

- USACE, LA District
 - Pismo Beach
 - Have CCC approval for seawall construction (St. Andrews)
 - Encinitas-Solana Beach
 - Updating cost estimates
 - Working on Final Report
 - Malibu – will be discussing project with CCC
- USACE, SF District
 - Ocean Beach Beach Nourishment project
 - Receiving \$100K this year to finalize report and get the Project Partnership Agreement underway
 - Placement in FY15, possibly
 - Eureka RSM Plan
 - Received the next draft of the plan
 - Currently setting up a meeting between CSMW and locals to discuss governance
 - San Francisco RSM Plan
 - Waiting for the draft
 - Santa Cruz RSM Plan
 - Brad Damitz is on-board with Monterey Bay Sanctuary
 - San Luis Obispo RSM Plan



- San Luis Obispo Association of Governments (SLOCOG) have agreed to do the governance portion
- State may fund SLOCOG

❖ **Updates: State Agencies**

- Coastal Commission (Mark and Lesley)
 - Approved Solana Beach LCP Amendment
 - Big discussion about tying the “life” of seawalls to the life of the structure being protected. This is different than putting a 20-yr timeframe on permit. Adopted life of the structure.
 - Draft Sea Level Rise Policy Guidance document – comment period extended to 2/14/2014
 - 11 LCP grants (about \$1M) – mostly geared towards sea level rise
 - Not included in Governor’s Budget for next year
- State Parks/Division of Boating and Waterways (Steve Watanabe)
 - There is a meeting on Friday with the Cities of Encinitas and Solana Beach to discuss the Federal project (Encinitas-Solana Beach Study)
 - Governor Brown’s budget shows a \$2.95M transfer from the Harbors and Watercraft Revolving Fund to the Public Beach Restoration Fund. This is a strong signal that some or all of DBW’s budget requests for beach nourishment funding made it into the Governor’s Budget. The next step is consideration of the Governor’s proposed budget by the state legislature.

❖ **Updates: NGOs**

- CalCoast (Steve Aceti)
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- CMANC (Jim Haussener)
 - FY14 Omnibus came out (for Corps)
 - RSM funding increased to \$4M
 - CA Sediment Master Plan funded \$800K

❖ **Other**

- Looking for a venue to “honor” Orville Magoon’s career. Brian Baird has spoken with Brenda Goeden. Brian would like CSMW and BCDC to co-sponsor this event. “Voyage to the Bottom of the Bay” – looking at Feb/March and an evening event.
 - Link with PIANC? Or ASBPA/FSBPA?
 - Jim Haussener will talk with Jo-Ellen Darcy

Adjourn

Next Meeting (Conference Call)
**February 19th at 10



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