



CSMW Meeting Minutes
November 20, 2013
9:30 AM – 12:30 PM
USACE, San Francisco District
Meeting Notes in Blue

❖ **Welcome and introductions (George Domurat and Chris Potter)**

Review of meeting minutes and action items from 10/16/13 meeting (Heather Schlosser, USACE)

NEW ACTION 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.

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.
- **ALL** - National Shoreline Management Study – Comments due on revised draft by next Thursday 29 August 2013. Report to be finalized early September
UPDATE: Will be working with USACE-IWR to get this technically reviewed. Will update on schedule. John Dingler is reviewing the report, and will make edits before it is sent to technical review team. John is planning to finish his review by 1 Dec, and will send the draft to Heather, who will eventually submit it to IWR. Jim Haussener voiced his concerns regarding the organization of the report with respect to geographic dividing lines, and John indicated that he will take this comment into account when making his edits.
- **Chris Potter** to discuss proposal regarding pilot project with Jon Warrick. Have had discussion – will discuss for upcoming workshops (general scientific needs for CSMW).
- **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 Potter** to continue to bring up designation of sediment as clean with State Water Board (Noyo) – Dialogue initiated with Paul Hahn – Still ongoing. The State Water Board is hosting a webinar on sediment tomorrow (21 Nov). Jon Warrick (Good sediment, Bad Sediment) and Clif (RSM 101) will be presenting. There was also a question regarding whether Eric Stein would be involved in the webinar.
- **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.

- Invite Trish Chapman back for Nov/Dec meeting. Chris Potter is looking into this.
- **Heather:** Talk with Brian Ross about his availability for Beneficial Use discussion – STILL PENDING, awaiting post-furlough. Brian Ross wants to follow through soon, and will coordinate with Chris Potter.

COMPLETED ITEMS:

- **Clif Davenport** to talk with Sam Johnson regarding future presentation on the CA Mapping Project – **UPDATE:** Sam Johnson presented at today's meeting.
- **Clif** will put Meeting minutes and presentation about the SLOCOG RSM meeting on CSMW website – Done.

❖ **Presentation: Coastal Resilience Ventura (Sarah Newkirk, The Nature Conservancy)**

- Sarah Newkirk, a Coastal Project Planner with the Nature Conservancy, gave a presentation summarizing the Coastal Resilience Ventura project. The project was based on the hypothesis that coastal natural resources provide natural protection to coastal communities, and therefore municipalities (and other local interests) will protect coastal natural resources in order to protect coastal communities.
- The presentation addressed a number of coastal planning related topics including the integration of sea level rise into local planning process, the impact of Superstorm Sandy on coastal planning efforts, the adaptation planning process, and the management context of coastal planning.
- Sarah also provided a brief history of the development of the Ventura Coastal Resilience program, including how the program addressed a critical data gap by utilizing downscaled local climate information to drive the initial iteration of the Coastal Resilience Tool.
- In addition, Sarah reviewed several tools (e.g., Decision Support Tool) that can be used by coastal planners.

Questions:

Following the presentation, there were several comments and questions from meeting attendees:

- Tom Kendall pointed out that there might be some interest in this issue from Silicon Valley business groups.
- George Domurat asked if there were any changes in perception regarding coastal hazards along Gulf Coast following Hurricane Katrina. It turns out that the Gulf oil spill seemed to be more of a catalyst than Katrina, and George suggested that memories are short, with communities rebuilding in hazardous locations shortly after Katrina.

- There was also a brief discussion of FEMA's hazard mitigation program, and if that program could serve as a source of funding for coastal restoration projects
- Tom Kendall asked when communities should consider adaptation, and the consensus was that this thought process needed to occur before a damaging event.
- Lesley Ewing stated that communities need to "forget" disasters to rebuild, and advertise their resilience to the nation. Lesley also mentioned the importance of evaluating the impacts of sea level rise on wetlands, as these resources can provide space for the shoreline to migrate and sediment for shore protection. CSMW might want to study how "green" approaches of addressing sea level rise (e.g., wetland restoration) will increase the demand for coastal sediments.

❖ **Presentation: California Seafloor Mapping Project (Sam Johnson, USGS)**

- Sam Johnson, a geologist with the USGS, presented an update on the status of the California Seafloor Mapping Project. When completed, the project will cover the entire California coast, and number of products will be 10 to 12 map products for each mapping block (Map Folio).
- Map Folios will include: grey-scale and color bathymetry, acoustic backscatter, "seafloor character" images, perspective views, ground-truthing imagery, potential habitats, sediment thickness, geology/geomorphology, seismic reflection data, onshore/offshore geology, and benthic invertebrate habitats.
- There will also be GIS data layers available.
- To date, nearly all swath mapping is complete, and seismic profiling is complete for 2/3 of the state.
- Sam also reviewed sediment management related findings from several of the completed map products.
- Sediment thickness maps from the Santa Barbara Channel area can provide key information regarding sources of sand for beach nourishment projects. These maps also demonstrate how regional tectonic factors can control offshore sediment supplies.
- Sediment thickness maps from the Sonoma and Marin Co coasts provide insights into sediment sources for the Bolinas Lagoon.

Questions

Following the presentation, there were several comments and questions from meeting attendees:

- John Dingler asked whether sand was moving around San Pedro Point south towards Half Moon Bay. Sam answered that he thought very little sediment was making it around San Pedro Point.

- Chris Potter asked if this new research had any implications for our current understanding of littoral cell boundaries. Sam replied that he did not think the new research had an impact on the big picture, but provided more details regarding sub-cells, etc.
- There was a brief discussion regarding whether sand sources offshore of Goleta were relicts, and therefore not necessary a sustainable resource.
- There was a question of whether offshore sediments mapped under this program could be classified for engineering purposes.

❖ **Discussion: Coastal Commission's Sea Level Guidance (Lesley Ewing, CCC)**

- Lesley Ewing, a coastal engineer with the California Coastal Commission (CCC), presented an overview of the newly released CCC Sea Level Guidance.
- The guidance is still in draft form, with **comments due by 15 January 2014**. The CCC has also scheduled two public hearings, with one to be held in San Francisco in December.
- The preliminary schedule indicates that the CCC is expected to adopt the guidance at some point in the spring (April?).
- The guidance addresses the overarching question of how to integrate water level hazards (associated with sea level rise) into coastal planning documents.
- The guidance is not regulation, and is meant to complement the Coastal Act (which provides the actual regulatory "teeth").
- The guidance has multiple focuses and is inclusive of a wide range of adaptation options.
- The guidance is a living document, and is not necessarily meant to be read cover to cover.
- The guidance is based on the best available science, and the detailed technical information is included in the appendixes.
- The guidance provides examples of sequences of steps that can be used to addresses sea level rise in Local Coastal Plans and Coastal Development Permits.

Questions

Following the presentation, there were several comments and questions from meeting attendees:

- George Domurat asked about adaptation options, and Lesley indicated that adaptation options are listed in Appendix C.
- Tom Kendall asked whether projects need to show an adaptation strategy to address the worst case scenario. Lesley responded that the answer was yes,



- and applicants will need to demonstrate that their project can adapt to the entire range of sea level rise scenarios.
- Chris Potter asked whether CSMW should submit a letter in support of the new guidance. Lesley Ewing (from CCC) indicated that this would be a good idea.
 - There was a question about if there have been any legal challenges to adapting to a range of sea level rise scenarios. (I did not record a response)

Other Announcements:

- There was discussion about having a presentation by Jon Warrick from USGS on the Elwha Dam Removal project next month.
- Susie Ming will work with David Cannon to help arrange and prepare materials (project brochure sheets, etc) for RSM public meetings/workshop. Susie will set up a brainstorm session with the CSMW group after she meets with David.
- The USACE Encinitas project received approval from the Coastal Commission
- Eric Wilkins from CDFW suggested having Dr. Dave Hubbard present at his latest beach ecology work at a future CSMW meeting.

Adjourn

Next Meeting

January 15 and March 19 (USACE, San Francisco District)



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