

NTHMP MMS meeting 18 November 2021

Participants:

J. Allan, C. Allen, D. Arcas, K. Carrigan, A. Dolcimascolo, D. Eungard, J. Fujimoto, C. Garrison-Laney, N. Graehl, S. Grilli, C. Guard, C. Hincapie-Cardenas, S. Holloway-Ledo, J. Horillo, V. Huerfano, M. Kaipat, E. Lutu-McMoore, S. Ohlendorf, S. Ross, I. Sears, R. Wilson.

Topics covered:

1. DEM update (K. Carrigan)
2. Sediment transport update (J.Kirby/S. Grilli)
3. Planning for MMS Winter meeting in Portland (J. Allan/S. Ohlendorf)
4. Other business:
  - i. Recent Cumbre Vieja eruption and tsunami hysteria (S. Grilli)

**1. DEM Update (K. Carrigan)**

Progressing well

- Central OR – *completed*
- Strait of Juan de Fuca – *completed*
- Southern OR - (draft sent to Oregon)
- Cook Inlet, AK communities - *in process*
  - o Dmitry to check on his data needs
- South San Francisco Bay - *est. Jan. '22*

Completed under non-NTHMP funded project:

- U.S. Northeast coast
- Hawaii (now available via Digital Coast)
  - o 1/9th <https://coast.noaa.gov/dataviewer/#/lidar/search/where:ID=8483>
  - o 1/3rd <https://coast.noaa.gov/dataviewer/#/lidar/search/where:ID=8580>
- Guam (in process) - *est. early '22*

Fai: which part of Guam is NCEI working on?

Kelly: all of Guam + CNMI (will email a shapefile of extents to Fai)

Rick: what is the extent of the San Francisco Bay coverage?

Kelly: NCEI was expecting an extent to be defined by CA and sent to her.

Discussion followed on new DEM requests for CY 2022.

Corina: WA is interested in DEM updates along the Southwest WA coast, as well as Puget Sound

Victor: Requesting updated DEMs for Puerto Rico following recent earthquakes (this has been an ongoing request for some time but has been on hold due to data availability)

Kelly: noted that the Coastal Act may be funding this work. She will look into this further.

**Action items:**

- 1) Rick to provide extent of interest for San Francisco Bay update to Kelly
- 2) Corina to provide extents of interest for southwest WA coast and within Puget Sound
- 3) Kelly to evaluate status of DEM updates in Puerto Rico and email the status to Victor
- 4) ALL – evaluate additional DEM needs for CY 2022 (to be finalized at the 2022 Portland winter meeting)

**2. Sediment Transport Update (J.Kirby/S. Grilli)**

No Update to report.

### **3. MMS Winter Meeting Agenda Discussion (All)**

Jon: provided brief overview of previous format and topics. Time available is ~4.5 hours, although we do have ~1-1.5 hours back-up time available should we need it on Thursday (Feb 4<sup>th</sup>, afternoon). We also have two sessions, where we will have joint meetings with the MES and WCS.

Initial goal will be to review MMS annual workplan task status and then define our work plan activities for CY 2022. For CY2021, the MMS work plan reflects the following:

- Tsunami source database (CA lead);
- Maritime guidance status (CA lead);
- Complete Maritime Current Modeling Criteria (ALL);
- Powell Center activities (USGS lead);
- NCEI DEM Development (NCEI lead);
- Sediment transport modeling guidance (East Coast lead);
- Landslide PTHA guidance (East Coast lead);
- Tsunami debris modeling (CA lead);

Jon: suggested for the remaining time available to us, we could allocate ~5-10 minutes to allow for MMS members to present a series of lightning talks, describing a recent activity. Alternatively, we could do a poster session.

General consensus was a preference for lightning talks, time permitting.

### **4. Other Business (All)**

#### Post-earthquake/tsunami investigations

Diego: noted that he is participating as part of a team developing guidance for post-earthquake investigations (circular 1242). His role is specific to the tsunami hazard. Wanting to know status of post-disaster tsunami investigation studies and data clearinghouses.

Stephanie: Glad to hear Diego is participating on this. Noted that Laura Kong, Bruce Jaffe and Stephanie Ross have been working on developing guidance for post-disaster tsunami investigation studies and data clearinghouses.

The MMS received an initial briefing on this 2-3 years ago. However, it has been slow going since then. They meet weekly

Jon: suggested that this could be a topic for conversation at the 2022 winter meeting, and potentially we could flag this as part of the MMS work plan, which may help share the burden of developing such guidance.

Corina: mentioned that WA has developed an 'All Hazards' clearinghouse plan for Washington. Could be present on the topic if needed.

Rick: Offered up Jay Payton to give a presentation on what CA has been doing for post-disaster mapping and the tools they have developed to assist with the process.

Jon: Will try to incorporate these suggestions into the winter meeting agenda.

#### Cumbre Vieja Follow-up Discussion

Stephan: requested an update from NOAA NWS on the status of the Cumbre Vieja tsunami overview document and FAQ. Expressed his concern over some of the revisions that were originally provided on wave heights and inundation extents that were the product of recent east coast tsunami modeling, which were subsequently removed.

Ian & Summer provided an overview as to why the changes were made. The main concern was that NWS wanted the document to reflect more information on the warning aspect and less on any latest model result.

Stephan: noted that the latest east coast modeling of this event reflected the best available science and corrects information that had been circulating in early 2000, that reflected crude modeling performed by Ward and Day at the time; the latter study continues to feature in various media and social media discussions. He has been referring people to the latest scientific modeling results.

Stephan: Requested that the modified FAQ include a link to the latest scientific results that were published in 2015.

Ian: noted that the NWS would explore this further after further discussions in the CC meeting.