

Mapping & Modelling Subcommittee Meeting

USGS, Menlo Park, CA

Jan 29th, 2014

MMS Initial Discussion

- New maritime hazard products will require a workshop to validate tsunami models for currents (*co-locate with the NTHMP Annual Meeting 2015*)
- The rules of procedure tied to the TWEA document are outdated, and should be revisited by the coordinating committee. We want to be clear that our strategic plan is clearly in line with NTHMP fundable activities.

National Hazard Assessment

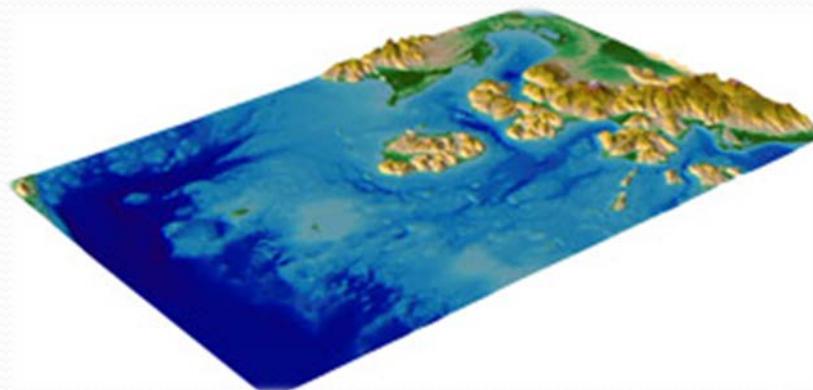
- **This is not probabilistic and it's not a risk assessment, it IS qualitative hazard.**
- Among other things, new in the update are catalog earthquakes since 2006, which puts American Samoa in the “high” hazard category
- Community Vulnerability Appendix (Nate Woods)

Discussion:

- Meteotsunamis **should** be included
- Dollar damages are not adjusted for inflation in the database, but total damage amounts which have been adjusted **should** be discussed within the document
- AK & HI local tsunami hazard are very different, and we need to make sure that is clear, as both are listed as “high”

DEM Development, CY2013 Status

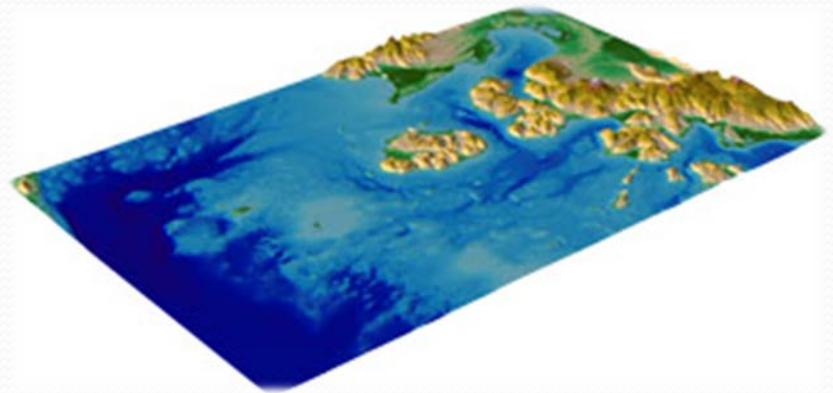
- Cold Bay and King Cove, Alaska – Completed
- Chignik and Perryville, Alaska – In Progress
- Skagway and Haines, Alaska – traded with UAF
- Ketchikan, Alaska – In Progress



NGDC hosted Amy Macpherson from UAF for DEM development training.

DEM Development, FY2014 Status

1. Puerto Rico
2. Miami Beach
3. Tampa
4. Puget Sound
5. (Nikolski)



USGS Tsunami Sources Working Group

The benefits of collaboration:

- individual consultation on source characterization
- a consistent national approach to source identification and professional review
- input on probabilistic characterization of tsunami sources
- Better align the USGS CMT/FFM event products with operational TWCs forecasting sources (exp. Slab1.0 and SIFT source database strike, dip, slip parameters)

MMS multi-state projects for FY14-15 proposals

1. Maritime hazard products (OR, CA, PR, possibly HI; others interested in observing)
2. Two/multi-level evacuation (OR, CA, possibly HI)
3. PTHA, potential for evaluating our products compared with ASCE product (CA & OR, with WA and AK observing; HI other funding)

National guidance for mapping/modeling activities

Objective: 1) Make it as simple as possible for the end user, and 2) Develop in consistent, accurate, and cost-effective way

- 1. Maritime planning and playbooks**
- 2. Evacuation/Response playbooks**
- 3. Probabilistic work**

Develop a user working group of end users (similar to CA and OR-MAC), for advice on which products to develop, get local EM & harbor master input, test them out!

Future work/meetings/workshops

- Workshop Objective: to validate the application of tsunami models for use in maritime hazard planning (*co-locate with the NTHMP Annual Meeting 2015*)
- Work Group Tiger Team America Delta Subcommittee: to develop the proposal, benchmarks, documentation, and prepare for the workshop
- Use Japan observational data for this benchmarking, (near source inundation, far source inundation, offshore/near shore, and inland velocities)

Next MMS meeting

- Review maritime products
 - end user feedback,
 - final product and state guidelines,
 - related TWC output
- Finalize Maritime Workshop preparations