

Coastal Erosion Hazard Mapping Task Force Meeting Notes

Zoom- October 28th, 2020 – 10:00 a.m.

Meeting Attendees: Ilena Hansel-Cook County SWCD, Clint Little-MN DNR Coastal Program, Melanie Perello-MN DNR Coastal Program, Neva Maxwell-Lake County, Margaret Watkins-Grand Portage, Tim Nelson-Cook County, Justin Otsea-ARDC, Charlie Moore-ARDC, Brandon Krumwiede-NOAA, John Swenson-UMD

1. Welcome/Introductions

- a. All were welcomed and introduced themselves.
- b. Justin Provided a brief update on the status of the work is.

2. **Methodology Discussion-** Charlie and Melanie provided an update to the group on the pilot site analysis status. Charlie started by outlining the methodology document briefly, and mentioning the baseline selected was the recently completed hardened shoreline data produced by NOAA. Charlie then showcased the analysis results for the pilot sites he worked on and outlined the brackets of linear regression rates. Charlie also compared the results to the previous map work, which did outline some new changes in the pilot areas. Melanie also presented the Grand Portage and Park Point analysis results. Discussion followed, the following is a summary of topics: how we describe/display the findings along with what brackets should we quantify the data in is a question that still needs to be answered, can we tie the underlying geology to the regression rates or final products?, should we tie the analysis to parcel lines?, consideration on if separate displays/terminology should be used for different uses (i.e. regulatory v informational), the need to ground truth all data, the need for a technical meeting to discuss these and other topics was identified, and would be set up after the meeting.

Otsea provided a brief overview of the updated 'Field Visit Survey Form' which could be viewed at the following link: <https://arcg.is/PXie9> One question was if we should have a universal log in that everyone could share to access/edit the form with, instead of everyone's individual organization account. Having a shared account seemed to find consensus with the group. Otsea would follow up with Ross, but asked members to provide any additional feedback they had on the tool at their convenience.

3. **'CHAOS' -Community of Practice Update** -Melanie informed meeting attendees that the next CHAOS meeting is scheduled for November 5th, at 10:00 A.m-11:30 and has an agenda including presentations on a Coastal Resiliency Self-Assessment tool, Flood Resilience Scorecard, and 'Virtual Field Trip' to Grand Marais, MN among other items. Registration information was included in the meeting packet or can be found through this link: <https://umn.zoom.us/meeting/register/tJcufu-oqD0vGNBe1NPsXyDZaZvMeCFCl624>

4. **Phase III Funding Strategy-** Otsea informed the group that ARDC will be pursuing three separate avenues of funding to support extrapolating the analysis completed at the pilot sites to the entire Minnesota Lake Superior Shoreline. NOAA's FY 21 Effects of Sea Level Rise, the FEMA BRIC program, and MN Lake Superior Coastal Program. Links with more information on each program have been listed below:

NOAA: <https://www.grants.gov/web/grants/view-opportunity.html?oppld=328992>

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Coastal Program Annual Grant Funding -

<https://www.dnr.state.mn.us/waters/lakesuperior/grants.html>

FEMA BRIC Program-

[https://dps.mn.gov/divisions/hsem/hazard-mitigation/Pages/current-funding-opportunities.aspx#:~:text=Building%20Resilient%20Infrastructure%20and%20Communities%20\(BRIC\)%20will%20support%20states%2C,from%20disasters%20and%20natural%20hazards.](https://dps.mn.gov/divisions/hsem/hazard-mitigation/Pages/current-funding-opportunities.aspx#:~:text=Building%20Resilient%20Infrastructure%20and%20Communities%20(BRIC)%20will%20support%20states%2C,from%20disasters%20and%20natural%20hazards.)

Additional discussion took place about phase three of the project, that discussion has been summarized below: Possibly one watershed one plan funds available for match, although allocations are unknown and given pandemic amounts are expected to be smaller than year's past, there are other existing projects that could be utilized however, connecting with the University of Minnesota -Duluth to discuss partnering for the GIS work of phase III, the need for verification / oversight of the analysis, need for field work to be a component of phase III, Melanie noted she wouldn't be tied to the future grant, but could complete additional DSAS work (possibly Saint Louis County and/or Grand Portage areas) before her fellowship ended in July 2021, among other items. Otsea informed the group he would connect with the University and expected more details to be available at the next meeting.

5. Data Update-None

6. Other Partner Updates-None

7. Future Meeting Location

- a. Next meeting would be scheduled at a date to be determined in case of conflicts during the holiday week, a doodle poll would be sent out after the meeting.

8. Next Steps

- a. Collect Partner In-Kind Match Documentation
- b. Discussion on how to present the data. (technical meeting)
- c. Field Visit Form Finalization
- d. Finalize GIS layers
- e. Develop Final Report and Submit Materials to Coastal Program