

Coastal Erosion Hazard Mapping Task Force Meeting Notes

ARDC Conference Room- July 16th, 2019 – 1:00 p.m.

Meeting Attendees: Neva Maxwell-Lake County, Sonja Smerud-Lake County SWCD, Clint Little-MN DNR Coastal Program, Ilena Hansel-Cook County SWCD (Phone), Stacey Stark-UMD, Charlie Moore-ARDC, Justin Otsea- ARDC

Phase 1 update

Data Review: Charlie provided an interactive demonstration showcasing the data collected to date and the tools available in an online interactive format. Topo bathymetry data from NOAA has been utilized to create a 3-D version of the entire project area, and a measuring tool can be utilized to identify distances from the lake and/or vegetation line, among others. During his demonstration, feedback was sought for edits and improvements. Below summarizes feedback received on the phase 1 final product:

- Data to add:
 - o BWSR wetlands
 - o NOAA high resolution structure inventory
 - o SWCD Public Waters Permit Data (Sonja)
 - Other SWCD areas of Technical Assistance
 - o Lake County erosion layer (Sonja/Ross)
 - o Historical imagery – Carol Johnston work (Clint/Stacey)
 - o Average annual rainfall
 - o Parcel Data
- Application edits:
 - o Include layer sources/descriptions (to avoid explaining)
 - o Configure pop-ups to be user friendly
 - o Create a print option
 - o Add splash screen with user instructions/disclaimers
 - o Look into layer grouping options

Phase 2 discussion

- Justin taking the lead for coordinating meetings etc. Instead of SWCD's as previously organized. Seems appropriate given the NSMB range covers the extent of the project, and also has been endorsed by the SWCD's moving forward.
- City of Duluth buy-in –
 - o What will they get?
 - Standard methodology/1 product for entire north shore
 - No data gaps
 - o What do we need?
 - Support from City to analyze the entire north shore
 - Not a member of NSMB, so we would need buy-in for their portion of analysis
 - Funding \$10,000
 - City data relevant to erosion
 - o Stacey to set up a meeting with Justin, Charlie, Clint, and Jim Filby-Williams to go over the project and gage city interest.
 - o Deadline should be set to include City portion of project so we can move forward (before grant agreement is signed)

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Coastal Fellow Update

- Provide support similar to Clint's role in the project
- Project idea: methodology documentation and comparison
 - o It would be useful to have an inventory of all the different methodologies that have been done by other organizations to have data to answer questions from constituents

Next steps

- Work up phase 1 edits for next meeting
 - o Add data identified
- Meet with City of Duluth
- Meeting date will be determined by doodle poll targeting August.
- Next meeting will be a workgroup meeting to go over phase 1 edits, discuss City involvement, and Coastal fellow role.