Mapping Where Rivers Meet People: Usability and Accuracy of Flood Maps in Rural Vermont

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July 16, 8:30-9:30am







Introduction

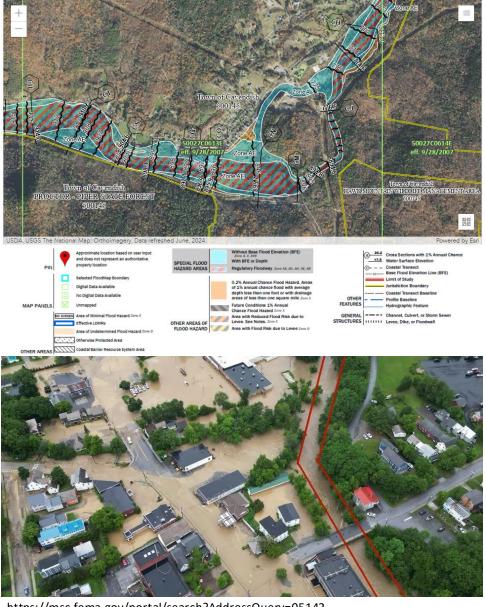
Ludlow, VT and Cavendish, VT

Severe flooding in July 2023

Research Question: are current flood maps usable and accurate?

Methods

- Semi-structured interviews
- Community mapping with team
- Site visits



https://msc.fema.gov/portal/search?AddressQuery=05142 https://www.foxweather.com/extreme-weather/drone-video-flood-ludlow-vermont

Flood Map Usability

Identification: maps difficult to find

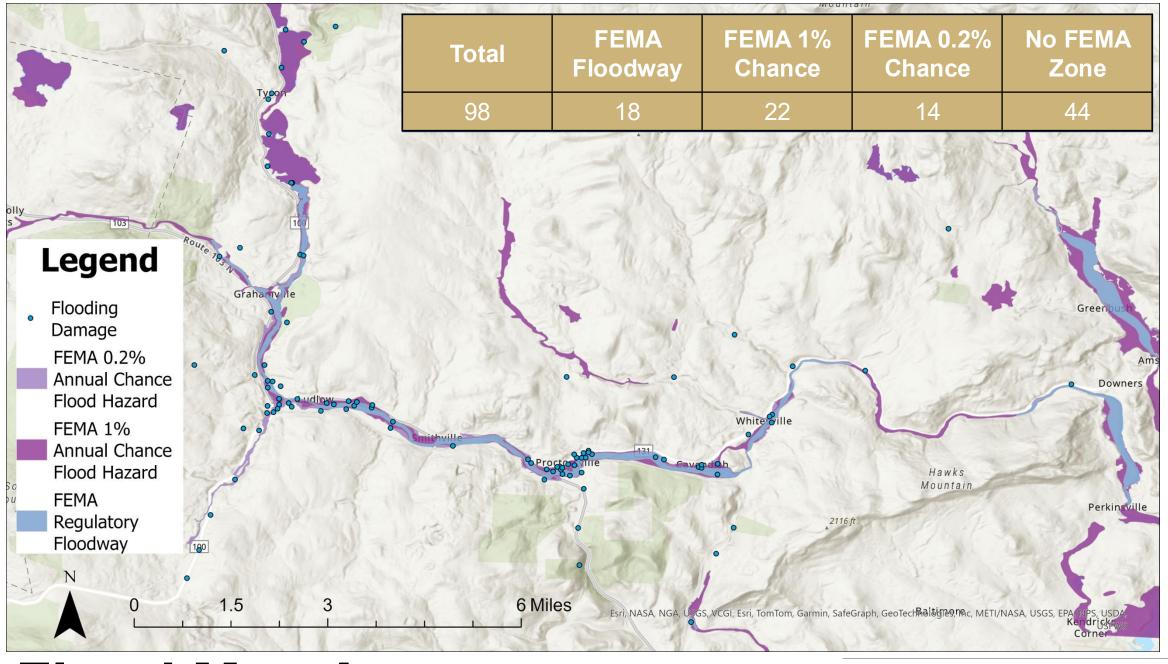
- Many maps, all linked
 Interpretation: confusing to understand
- Definitions and UI confusing, no help Implementation: next steps unclear
- Many uses, difficult to move

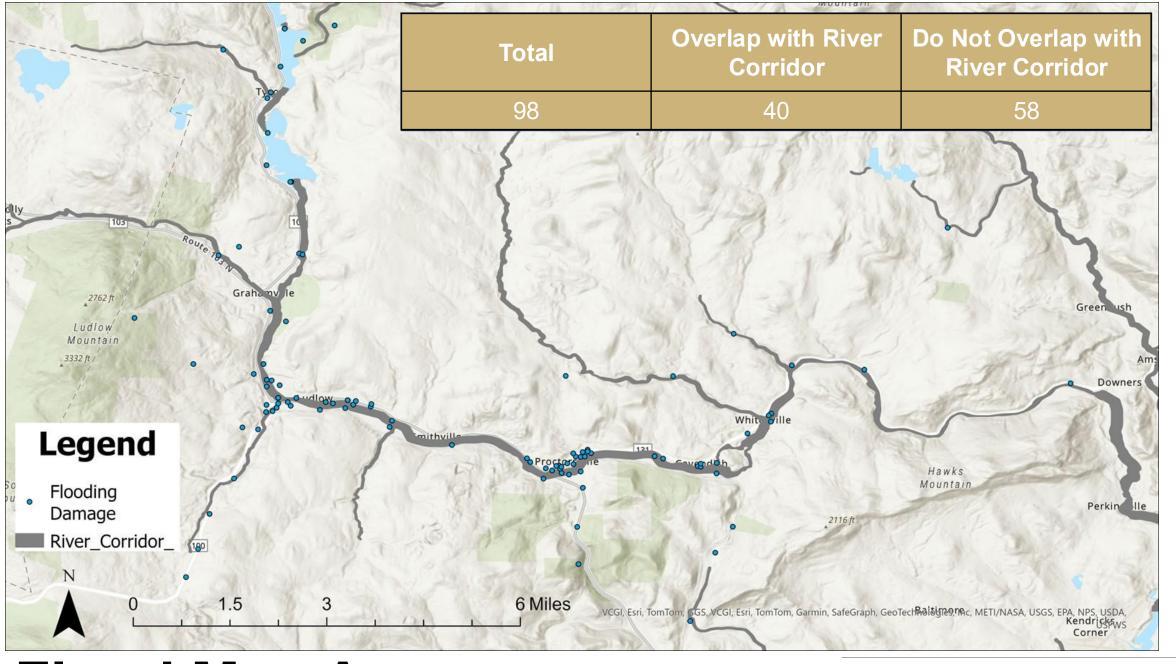


"I see where the river is, and I see what the floodway / riverway / flood hazard way are. But the terms are not particularly helpful, and I'm not always sure what the criteria between distinction them [is]."

Otherwise Protected Area

Coastal Barrier Resource System Area





Wrap-Up

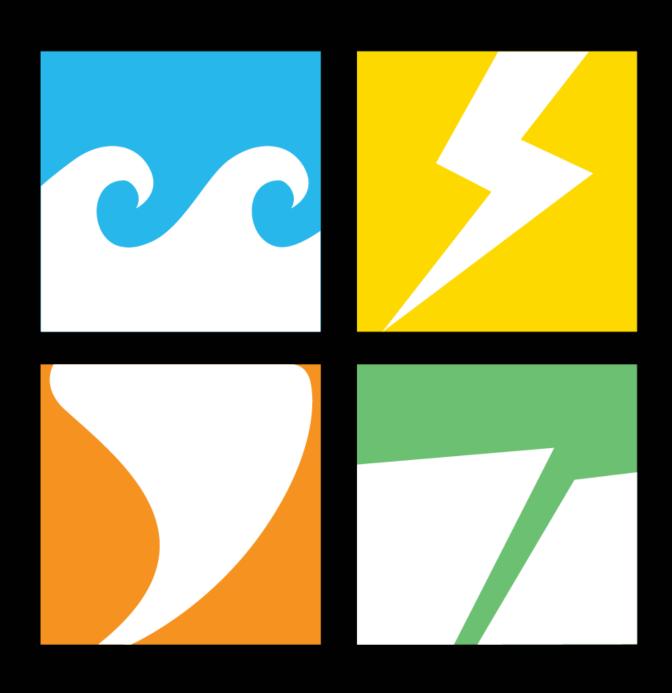
Major Theme

Trust vs Distrust

Advancing Mitigation

- Understand how people use flood maps
- Understand pros and cons of various mapping strategies
- Prioritize usability as well as accuracy
- Consciously rebuilding trust





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