



DIGITAL MAPPING TECHNIQUES 2020

The following was presented at DMT'20 (June 8 - 10, 2020 - A Virtual Event)

The contents of this document are provisional

See Presentations and Proceedings from the DMT Meetings (1997-2020)

http://ngmdb.usgs.gov/info/dmt/

Geologic Information For All

Serving Geologic Data to a Broad User Base

DMT June 2020



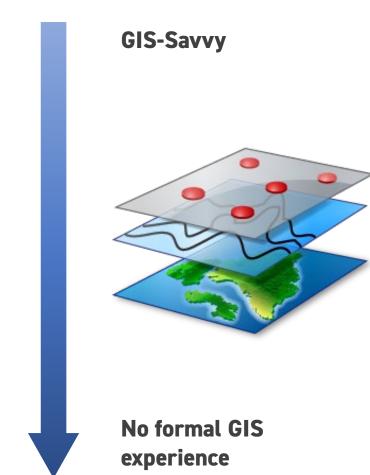


Susan Schnur Publications Group Manager Washington Geological Survey As state geological surveys we publish geologic information for the benefit of the citizens of our state.

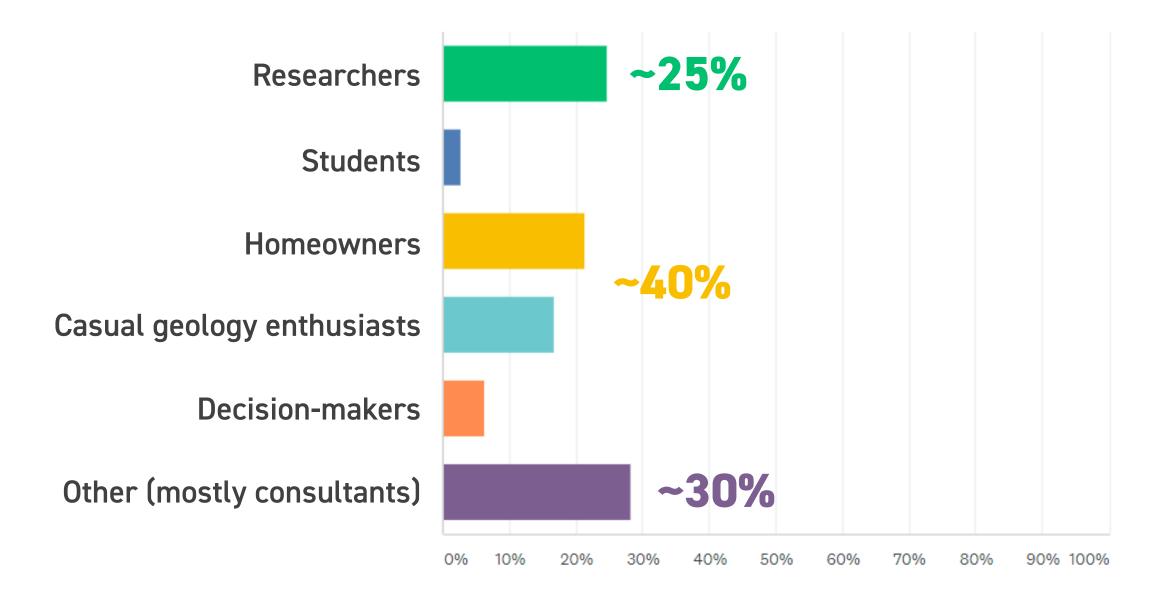


We serve many different user groups

- Government cartographers and GIS specialists
- Geologic mappers
- Geotechnical and environmental consultants
- County and city planners
- Emergency managers
- University researchers and professors
- Students
- Policy makers
- K-12 Teachers
- Homeowners

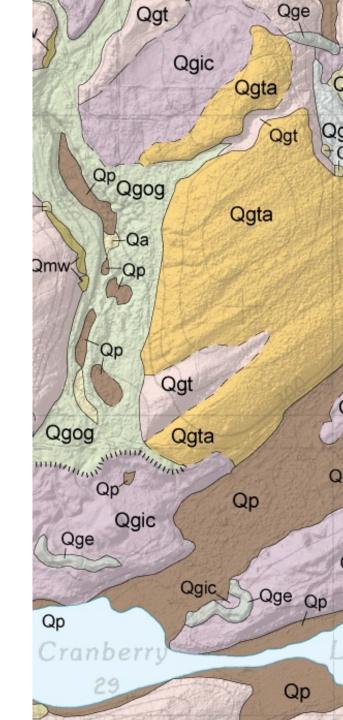


We have had 133 respondents to our anonymous online survey since 2017



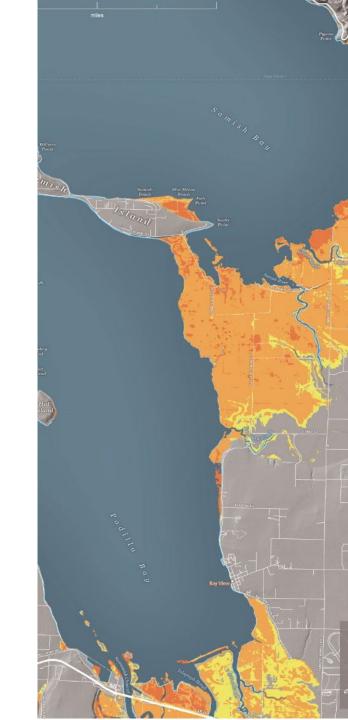
Our users have many different reasons for browsing our data

- Looking for well logs and geophysical data for geotechnical assessments
- Looking for surface geologic mapping to support environmental assessments
- Making planning and zoning decisions based on geologic hazard mapping
- Buying a home and wanting to know whether the property could be at risk from geologic hazards



They have different needs and wants in terms of data access

- I know what I'm looking for and what format I need it in. I just want to download the data.
- I think I know what I'm looking for but <u>I want to see</u> it before I download, just to make sure.
- I know I want geologic data, but <u>I don't know which</u> <u>dataset I need</u>. I want to look at a variety of datasets to compare them before I download anything.
- <u>I don't have any GIS skills</u>. I just want to see whether I'm inside a tsunami inundation zone.



How can we best meet the needs of such a broad audience?



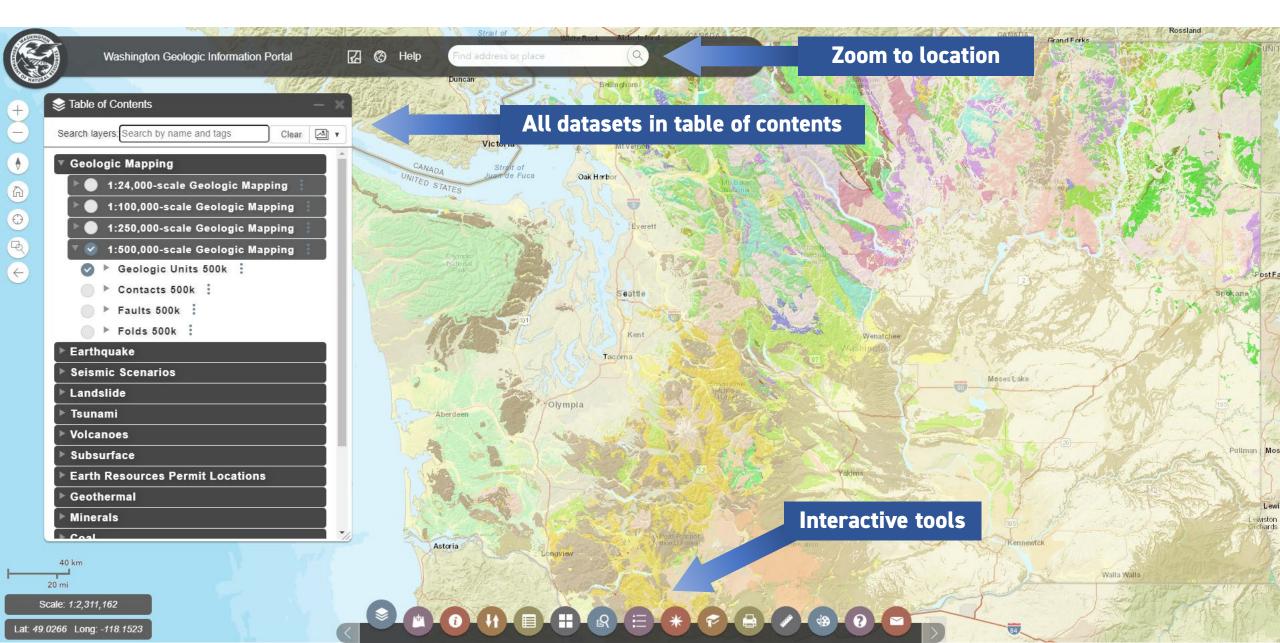
Resources: staff, equipment, knowledge, and time needed to build and maintain

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The Washington Geologic Information Portal



How do we know if our tools are meeting the needs of our users?

- Can they quickly find the information they need?
- Can non-GIS users figure out the interface and know what they're looking at?
- Is it clear how to download the data?
- Are the metadata adequate for the intended purpose?

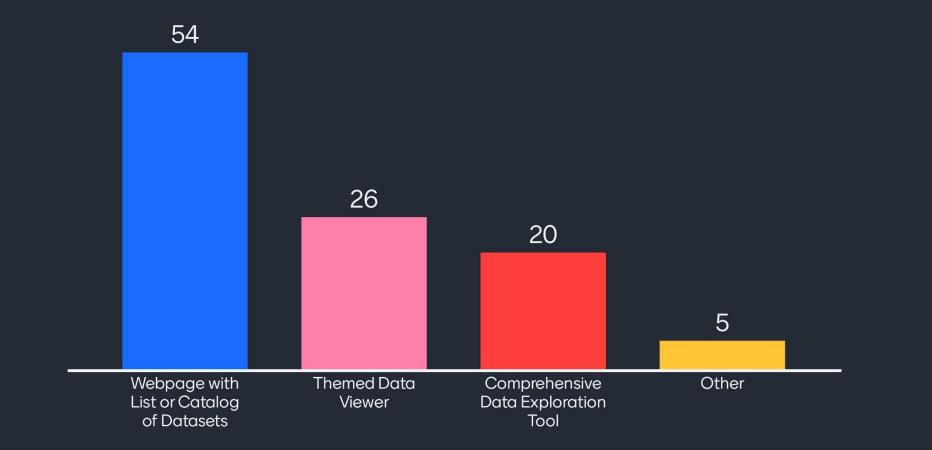


Let's try an experiment!

I want to use Mentimeter to run a quick real-time survey.



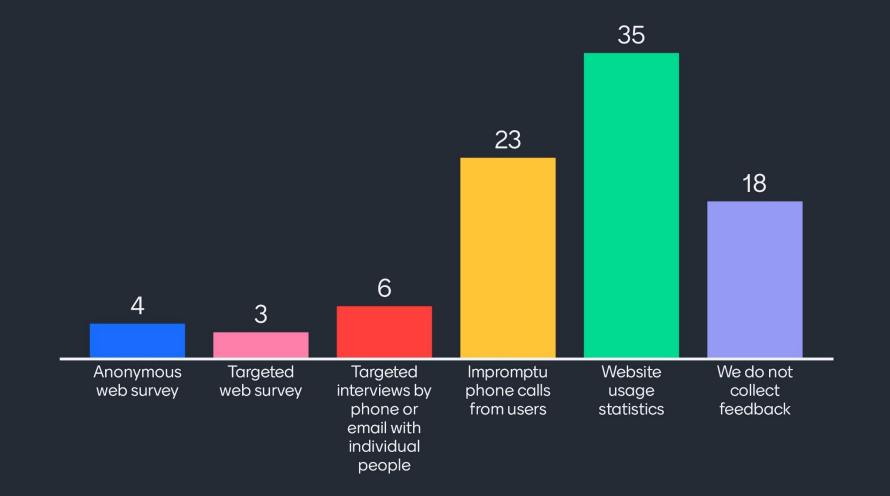
How do you provide your data to your users?



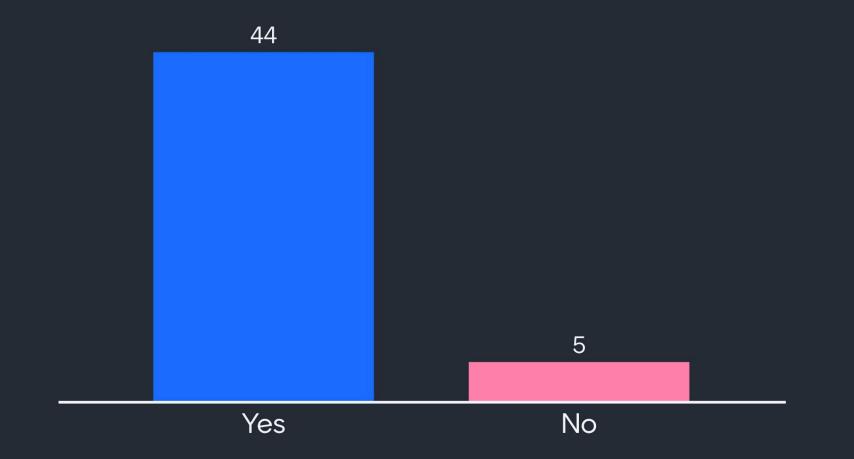
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Mentimeter

How do you get feedback from your users?



Have you ever made changes to your data services in direct response to feedback from users?



🞽 Mentimeter

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I would love to talk with you about this and hear your success stories!

Tell me about a time you got feedback that helped you tailor your data services.

Please send me an e-mail and we can set up a time to chat.



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