



WORKSHOPS

WICDI Winter Workshop Recap

Happy 2020! After the success of our first workshop (back in October) we were excited to lead a second WICDI workshop, this time with a slightly different focus. The WICDI team, along with around 20 fearless participants, braved the cold to congregate in Superior, Wisconsin.

Located on the St. Louis River Estuary, the Lake Superior NERR (National Estuarine Research Reserve) accommodated our group beautifully. Karina, the Coastal Training Program coordinator, helped us set up and stayed to welcome our guests.

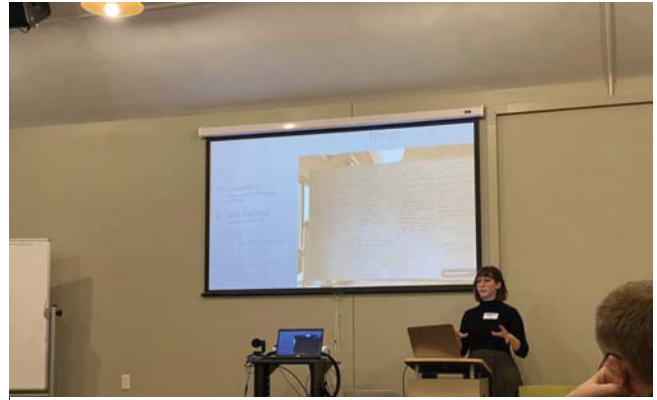


Inside the Confluence Room.

Like our last workshop, we started off with an overview of the WICDI project and a brief discussion of our goals, as well as participant introductions. We also covered what we'd learned from the last workshop – both as a refresher and as a way to bring new participants up to speed.



Hayden covers CSE basics and future plans.



Melanie recaps Workshop #1.



Howard explains the story behind WICDI and where we're headed.

We also heard from several participant speakers, including from one of our northwestern neighbors, the Minnesota Lake Superior Coastal Program! I will be linking slides and presentations here as speakers send

them to me, so if you're interested in learning more about individuals' talks, keep an eye on this post.



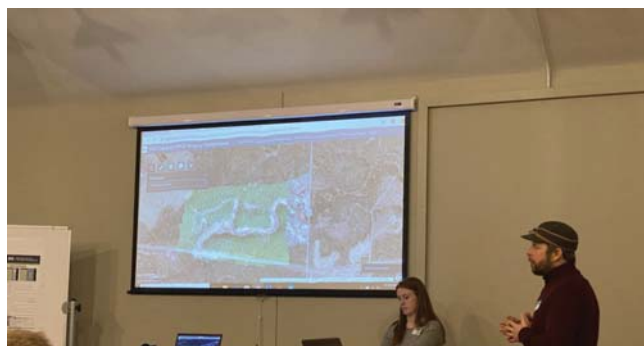
Melanie Perello, MN DNR



Chris Ester, USFS



Mike Koutnik, Friends of
NERR



Carmen Novak & Scott
Galetka, Bayfield County



Natalie Chin, UW Sea Grant

Location Attributes	Latitude	Highway ID	Pipe Function	Outlet Type	Watershed	Fish Pass	Substrate	Surrounding	Cracking Rating	Inspection	Type of Damage
Road Information	Longitude	Feature Code	Number of	I/O Pooling	Pipe Flow	Fish Pass	Stream Bed Substrate	Pipe Condition	Inspection Type		
Culvert Information	Township	Roadway	Pipe Material	Channel I/O	Water Level	Fish Pass	Drainage Condition	Distortion	Inspectable		
Inlet/Outlet Information	Township	Road Surface	Pipe Lining	I/O Approach	Max channel	Fish Pass	Percentage Boulder	Pipe Alignment	Entry Restrictions		
Waterway Information	Range	Road Width	Pipe Shape	I/O Fill Over	Upstream	Fish Pass	Percent Cobble	Delamination and Spalling Rating			
Fish Passage	Section	Road Erosion	Pipe Height	I/O Drop	Downstream / Outlet Info		Percent Gravel	Exposed Reinforcement Rating			
Streambed Information	Quarter	Road Erosion	Pipe Width		Stream Azimuth		Percent Sand	Abrasion and Wear Rating			
Surrounding Area Vegetation	Quarter-quarter		Pipe Length		Culvert Azimuth			Salt and Rust Stain Rating			
Other Culvert Information	Region		Embedded Culvert		Stream Alignment			Tied Joints			
Inspection Information	Municipality		Corrugated Culvert		Signs of Overtopping to due culvert			Clear Zone Hazard			
Flood Damage Information			Break in Culvert		Culvert Alignment			Beamguard			
			Obstruction								
			Condition Rating								
			Fill Height								

Genevieve's mapped culvert data fields.

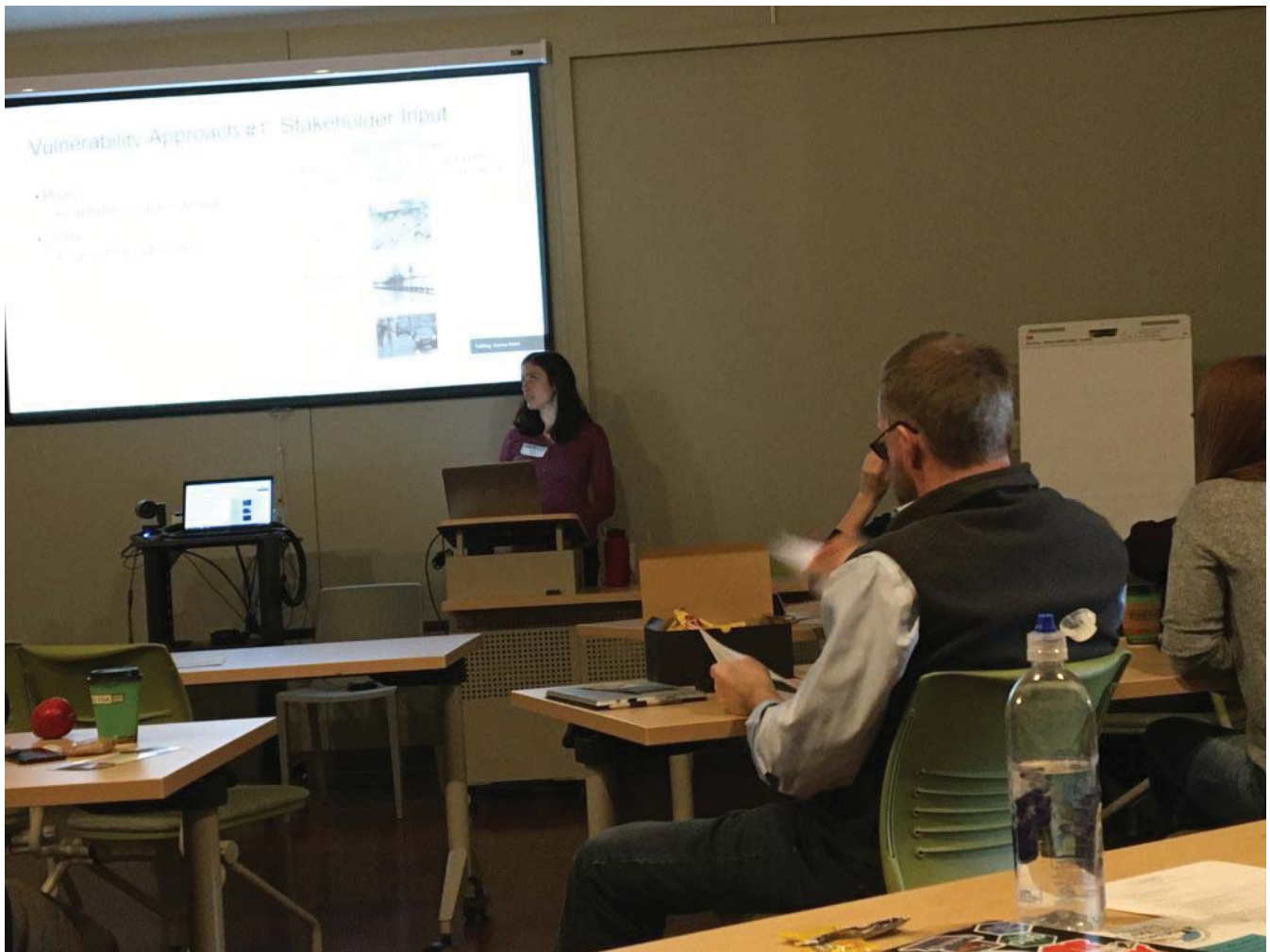
The range and variety of fields sparked a long discussion of which attributes are most important for

which types of culvert inventories – and how to anticipate the needs of as many use cases as possible when collecting culvert data. Our group ultimately decided to put these questions to the CoP at large, in the form of a survey. We hope to send this survey out around the end of February, so stay tuned!



Genevieve holding court.

NOAA Coastal Fellow Emma Cutler covered the next hour of the workshop with another valuable discussion, this one about risk and vulnerability. Emma has been researching various approaches to assessing flood risk, and outlined several of those approaches for the CoP. WICDI is currently planning to do some pilot studies on risk next field season if all goes well with the project.



Emma walking us through some vulnerability approaches.

We closed the day with some talk of WICDI's future plans. The group also brainstormed ways for the CoP to stay involved with the project, like forming a small workgroup to put together the culvert data survey.



GIO Jim Giglierano wrapping things up.

Once again, I would like to extend a huge thanks to all of our CoP participants, including those who participated and/or presented remotely!