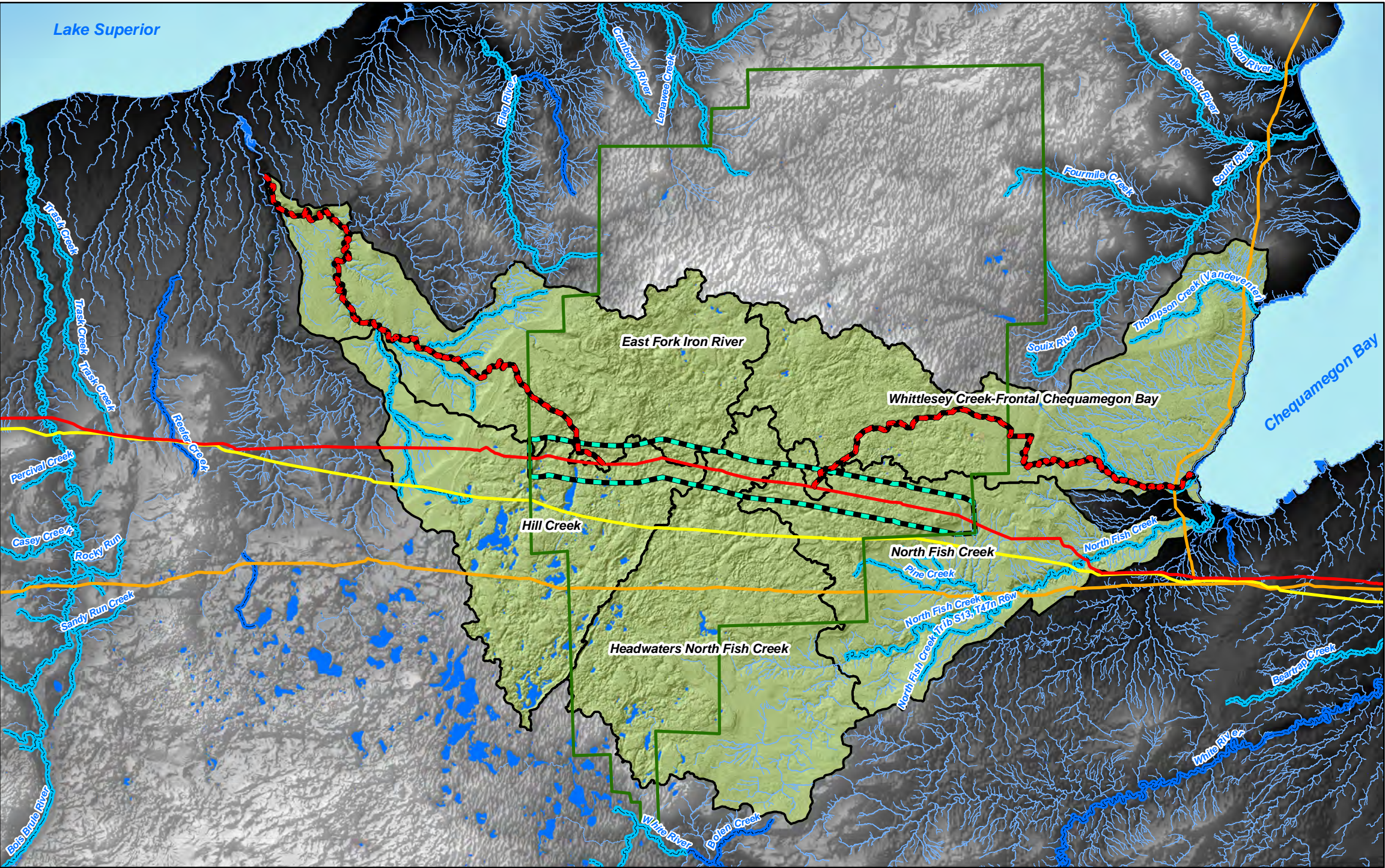


# Treaty & Cultural Resources for the Seventh Generation

## Chequamegon-Nicolet National Forest

### Map D. Ziiga'andan Potential Drainages



What if the pipeline ruptured?  
How far would oil travel, in ground water or surface water, and what resources would be impacted?  
Potential water, and other liquid, flow paths over land are shown in black and red lines emanating from Line 5.

To produce this map, hydrology modeling tools were applied to high resolution elevation data. This data was collected via laser pulses (LiDAR-Light Detection and Ranging) from a fixed-wing aircraft, but the stories it can tell are more important than the means of collection (though accuracy is a must). The hydrology tools modeled how water or other liquids could flow over the topography of the area, into important streams and, eventually, Lake Superior.

This technology was only recently developed and, even more recently, available in our region. Further study and analysis of groundwater and surface water flow is needed, in order to thoroughly evaluate potential impacts of pipeline maintenance and incidents. Only a full EIS or EA can address situations like this, in which technology and understanding of the environment have improved since the original placement of Line 5.

#### Wisconsin High Quality Waters

- Exceptional Resource Water
- Outstanding Resource Water
- HUC12 Subwatersheds

#### Pipelines

##### Operator

- Enbridge
- Northern Natural Gas
- Transcanada
- 1/2-mile Ecological Impact Area

