

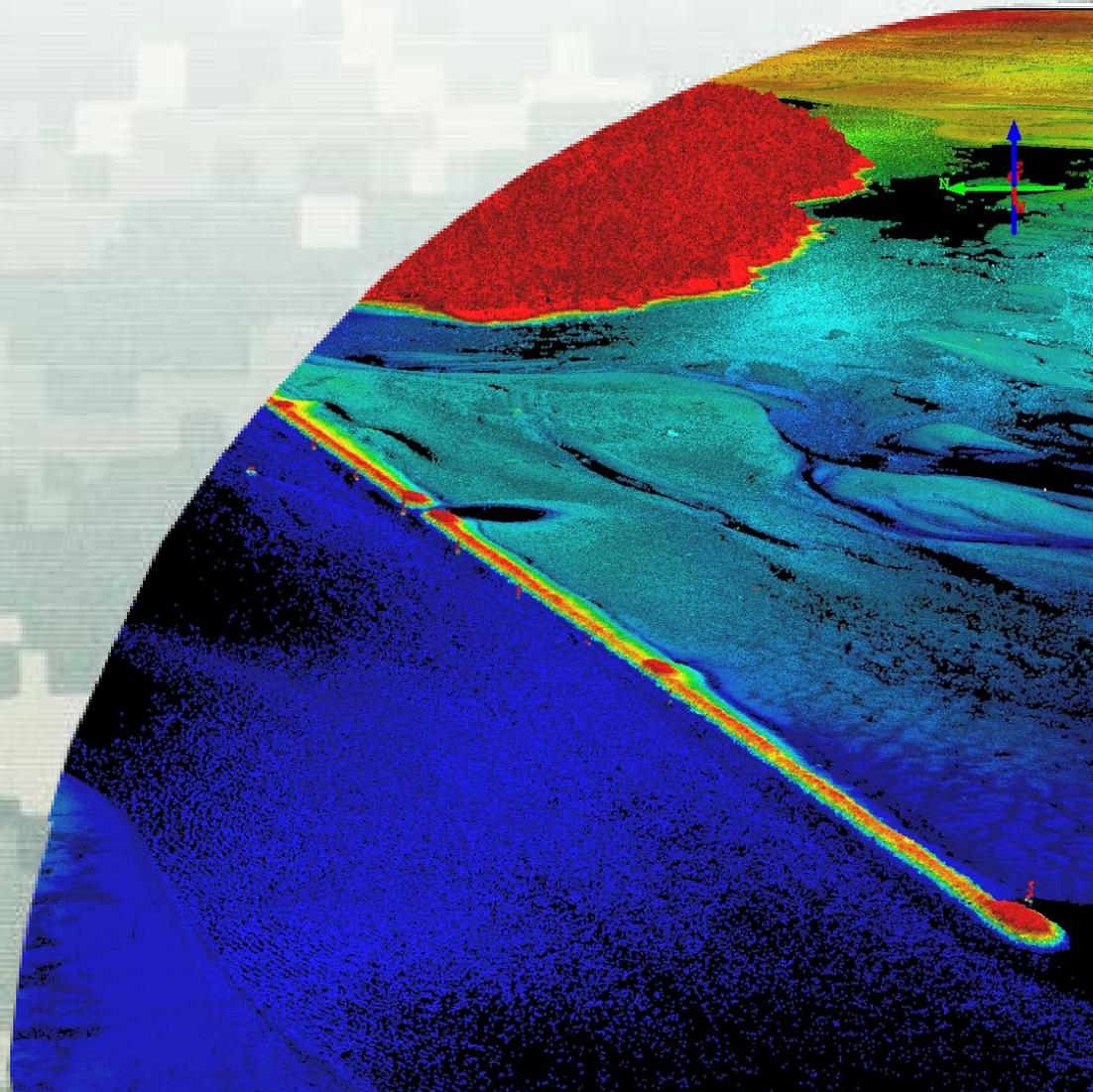
Swinomish Channel – Jetty Functionality Study

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**Semi-Annual Dredging Meeting
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**US Army Corps of Engineers
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Problem Statement & Study Objective

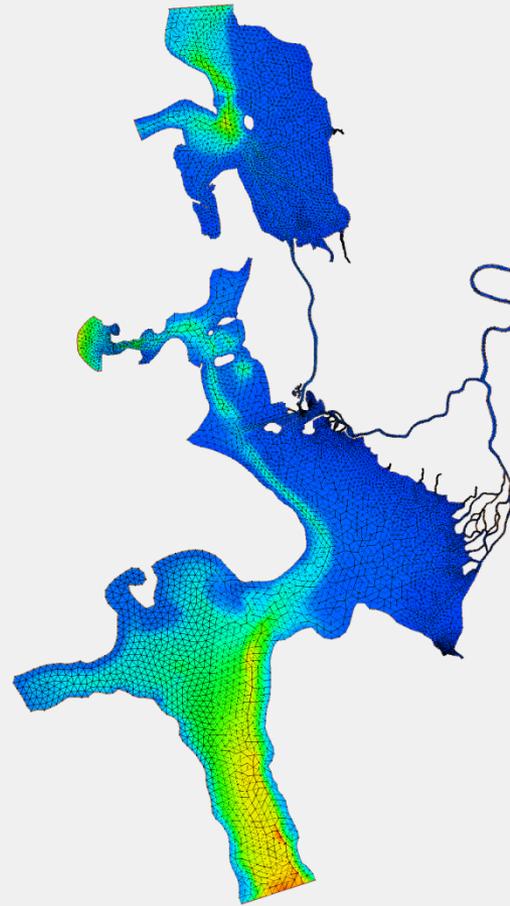
- In the past decade sedimentation on the Skagit Bay side of the Swinomish Channel has been accelerating and causing adverse impacts to navigation.
- Recent jetty condition surveys and a 3D hydro model will be used assess jetty functionality and warranted help formulate potential solutions
- A multi-agency partnership has been developed (USACE, USGS, PNNL, Tribe)



Study Schedule – FY15

- Collect Lidar topo of Navigation Structures (**done**)
- Collect hydro of North and South Fork Channel (**done**)
- Refine 3D hydrodynamic model grid to better resolve channel and jetty (USACE/PNNL) (**done**)
- Calibrate/Validate hydro and sediment transport model (USGS/WHOI data) – on going
- Investigate jetty repair alternatives (USACE) – late FY15





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