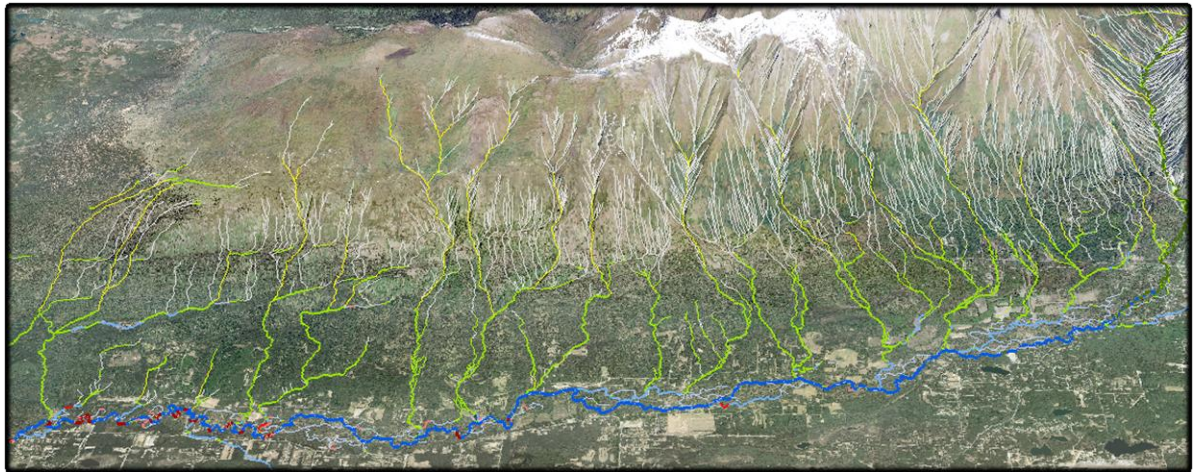


An Introduction to Integrated Hydrography with the NetMap Digital Landscape:

A mapping and analysis platform for stream and watershed assessment



Background: As a result of ongoing efforts by the [Alaska Statewide Digital Mapping Initiative](#) and the [Alaska Hydrography Technical Working Group](#), Alaska is rapidly developing a new generation of hydrographic data products, developed from high-resolution digital elevation models and satellite imagery. These new data provide substantial benefits in accuracy for mapping of Alaska's waters, as well as new functionality to analyze water resources, stream characteristics and stream-terrestrial interactions.

To take advantage of these types of data, a landscape-scale hydrographic mapping and modeling platform called [NetMap](#) was developed to analyze landscapes and stream networks ([Benda et al 2007](#)), sediment dynamics ([Miller and Burnett 2007](#)), fish habitat values ([Burnett et al 2007](#)), hydrogeomorphic attributes ([Clarke et al 2008](#)), road networks ([TerrainWorks 2014](#)) and watershed restoration opportunities ([Benda et al. 2011](#)). NetMap has been applied throughout the Pacific NW, and hosts over [80 tools](#). To learn more about NetMap, go to www.terrainworks.com.

Workshop: With generous support from the National Fish and Wildlife Foundation, The Nature Conservancy, Alaska Department of Fish and Game, the University of Alaska Southeast GIS Library and Alaska Pacific University are pleased to announce a hands-on training opportunity to learn about and explore the functionality of NetMap Digital Landscape, with applications from the Tongass National Forest and the new LiDAR-derived hydrography for the Mat-Su Basin.

Dates & Locations:

Juneau: Tuesday, October 21, University of Alaska Southeast GIS Lab.

For attendees of the Alaska AFS/AWRA Conference, this workshop will be organized in two sessions: 11:30 – 1:00 & 1:00 – 2:30.

Anchorage: Thursday, November 20, 1:30 PM – 4:30 PM, Alaska Pacific University GIS Lab

Who: This workshop is designed for students and professionals with a basic working knowledge of ArcMap 10.x who are interested in learning about advanced hydrographic mapping and analysis. Please RSVP, space is limited.

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