The 2nd LiDAR Symposium – Symposium By the Sea – South Slough Visitor Center – Friday, Sept. 27, 2019

Program

*What Can LiDAR Do For You?* Increase your awareness of the multiple applications that a single LiDAR data set can yield. Melissa Christie, Quantum Spatial, Reno, Nevada

*Capturing Topo-bathymetric LiDAR to Understand Eelgrass Decline in Morro Bay National Estuary, California* Demonstrates the use of topo-bathymetric LiDAR to create a digital elevation model in a coastal bay. Cassie Meigs, Quantum Spatial, Corvallis, Oregon

*Study of the Hooskanaden Slide Using LiDAR Technology* Highway engineers used terrestrial, mobile, and aerial LiDAR from drones to redesign a stretch of Oregon’s scenic coastal highway between Brookings and Gold Beach following a massive slide. Audrey McHugh-Britton, Oregon Department of Transportation, Salem, Oregon.

*Inland Riverine Topo-Bathymetric LiDAR Surveys* The latest advances, a historical perspective, and an overview of a project to monitor the replenishment of the Elwha River estuary and the coastline using LiDAR. Carol Lockhart, Woolpert, Inc., Hillsboro, Oregon

*Monitoring Fish Habitat in Large Streams Using LiDAR and Boat-mounted Sonar* Oregon biologists are combining LiDAR with sonar in large rivers to monitor habitat. Morgan Davies, Oregon Department of Fish and Wildlife

*Enhancing Classified LiDAR LAS Files Using ArcGIS Tools – motivations and resultant products* When LiDAR isn’t working for you, look for a work-around that can make it better. Kevin Ramey, City of Portland, Bureau of Environmental Services, Portland, Oregon

*Unexpected Uses of LiDAR in Transportation* In collecting biennial LiDAR datasets of state highways, Oregon’s Department of Transportation finds the data often proves useful for more projects than originally intended. Rhonda K. Dodge, Oregon Department of Transportation, Salem, Oregon

*Mobile LiDAR Program at ODOT* Explore the challenges and benefits of collecting mobile LiDAR data along Oregon’s highways. Rhonda K. Dodge, Oregon Department of Transportation, Salem, Oregon

*LiDAR Products and Services Available From NOAA’s Digital Coast* The National Oceanic and Atmospheric Administration’s Digital Coast website provides downloadable LiDAR data, an online LiDAR Data Viewer and related training to help communities address coastal issues. Matt Pendleton, NOAA Office For Coastal Management, Charleston, South Carolina

*Use of PhoDAR collected via UAS/Drone to assess canopy cover in timber harvest units*  The Bureau of Land Management is using drones to collect aerial imagery and measure forest canopy cover quickly and accurately. John Guetterman, BLM Medford District, Medford, Oregon.

*Peeling Back the Urban Landscape: Complexity and its Impact on the Planning and Management of a Municipality’s Infrastructure and Natural Resources*. What was there before all of the concrete and buildings? Mark Liebe, City of Portland, Bureau of Environmental Services, Portland, Oregon