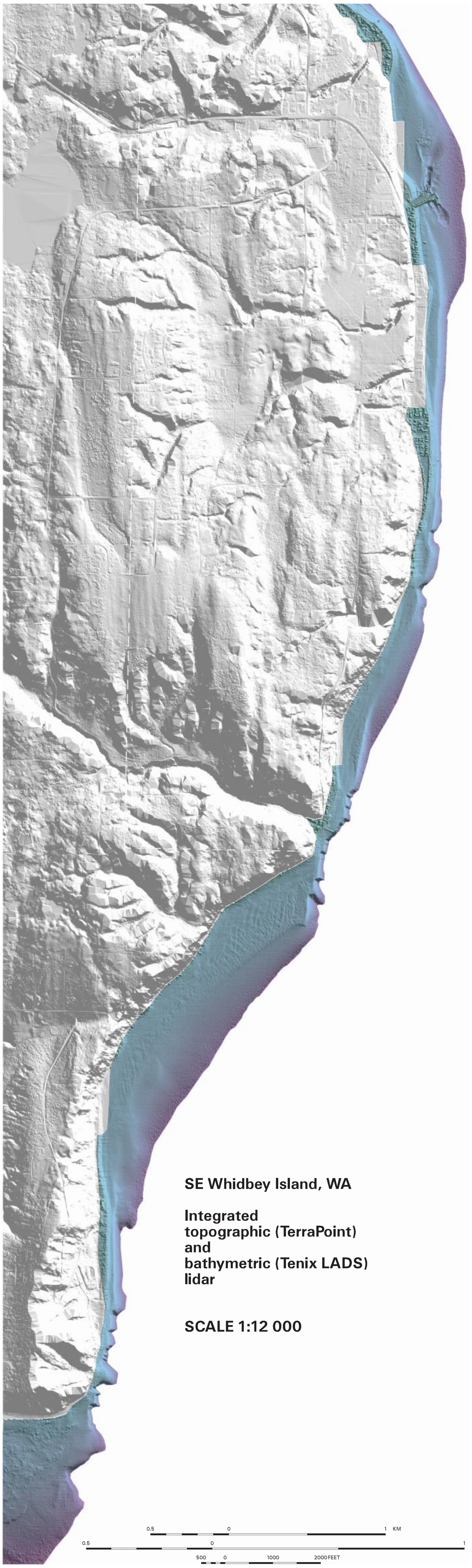
PUGET SOUND LIDAR CONSORTIUM

http://pugetsoundlidar.org



SE Whidbey Island, WA

Integrated topographic (TerraPoint) and bathymetric (Tenix LADS) lidar

SCALE 1:12 000

0.5 0 1 KM

0.5 0 1 MI

500 0 1000 2000 FEET

The fine print:

Upland data were acquired by TerraPoint LLC for the Puget Sound Lidar Consortium in February 2001. Lidar survey data were delivered in State Plane projection (Washington North zone), horizontal datum NAD83 (91 adjustment), vertical datum NAVD88. TerraPoint post-processed the lidar point cloud to the preliminary bare-earth model shown here. Look closely to find scalped ridge crests and bluff corners, tile-boundary gaps, and other artifacts to be remedied during final post-processing, as well as minor gaps due to local cloud cover.

Beach and marine data were collected by Tenix LADS Corporation for the Puget Sound Lidar Consortium in April 2001. Data were delivered in geographic coordinates, vertical datum MLLW. Water penetration was good: the maximum depth reached was about 80 ft below mean sea level. These data have not been post-processed to a bare-earth surface: trees, structures, and vehicles are still visible.

Ralph Haugerud (U.S. Geological Survey) and David Finlayson (University of Washington) integrated the upland and marine data.

The Puget Sound Lidar Consortium is a group of local government staff and Federal research scientists devoted to public-domain high-resolution topography for western Washington. We began with a shared desire to better understand earthquake hazards. We expect that the data we are creating will have many other uses.

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