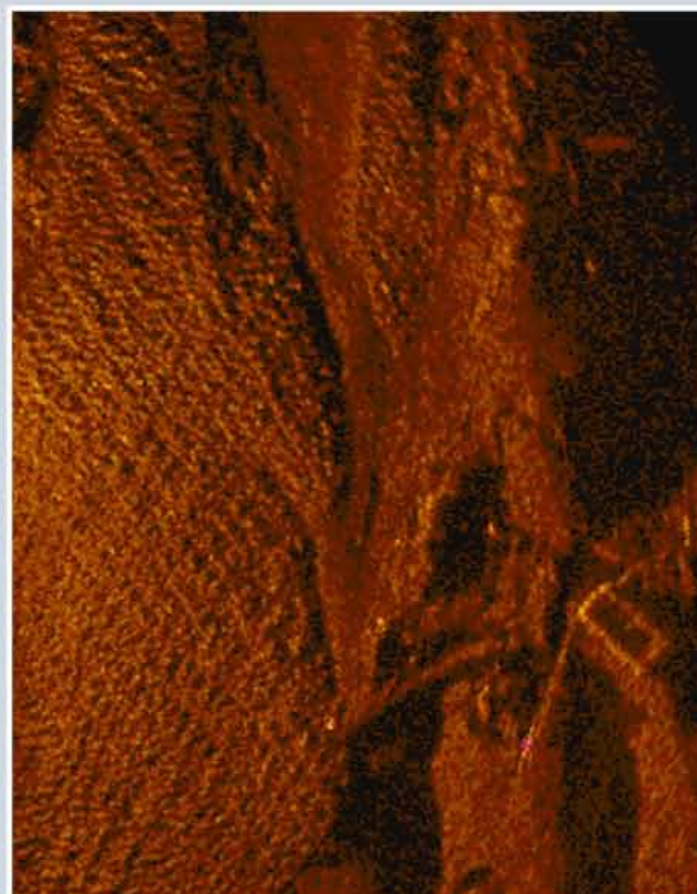
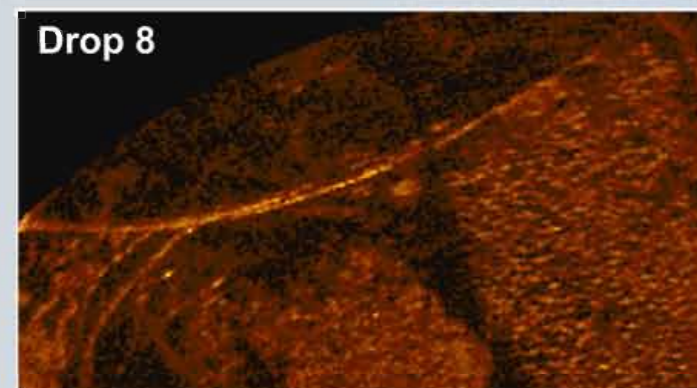
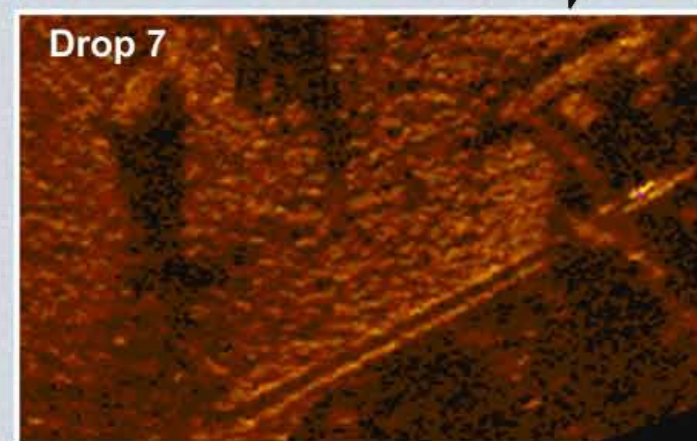
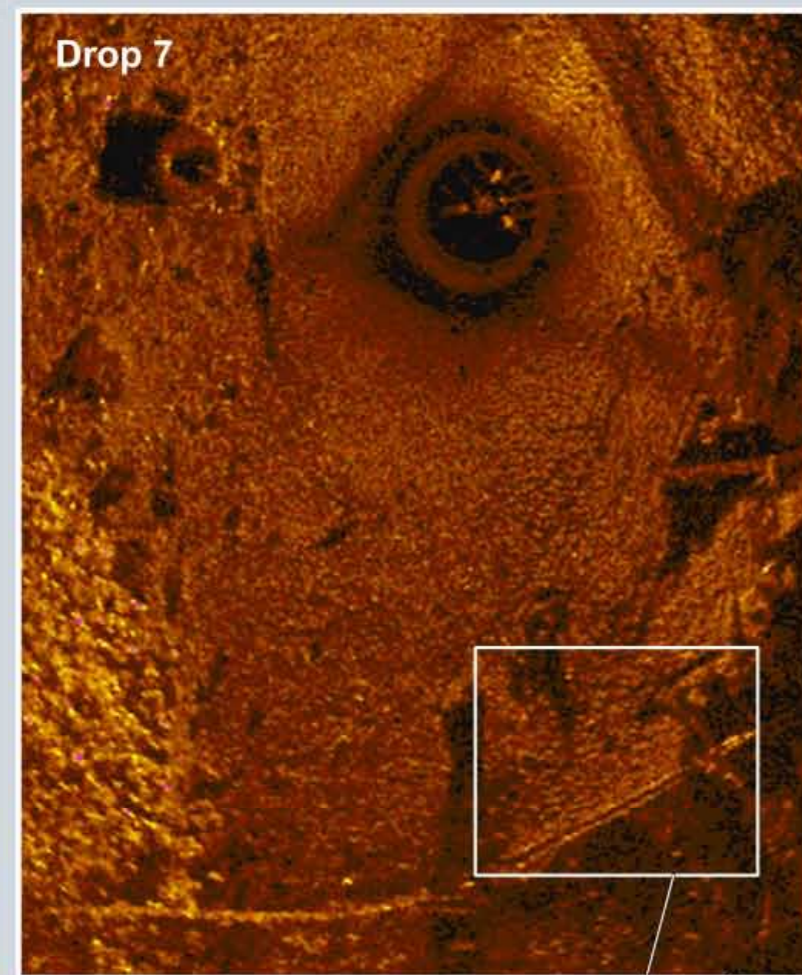


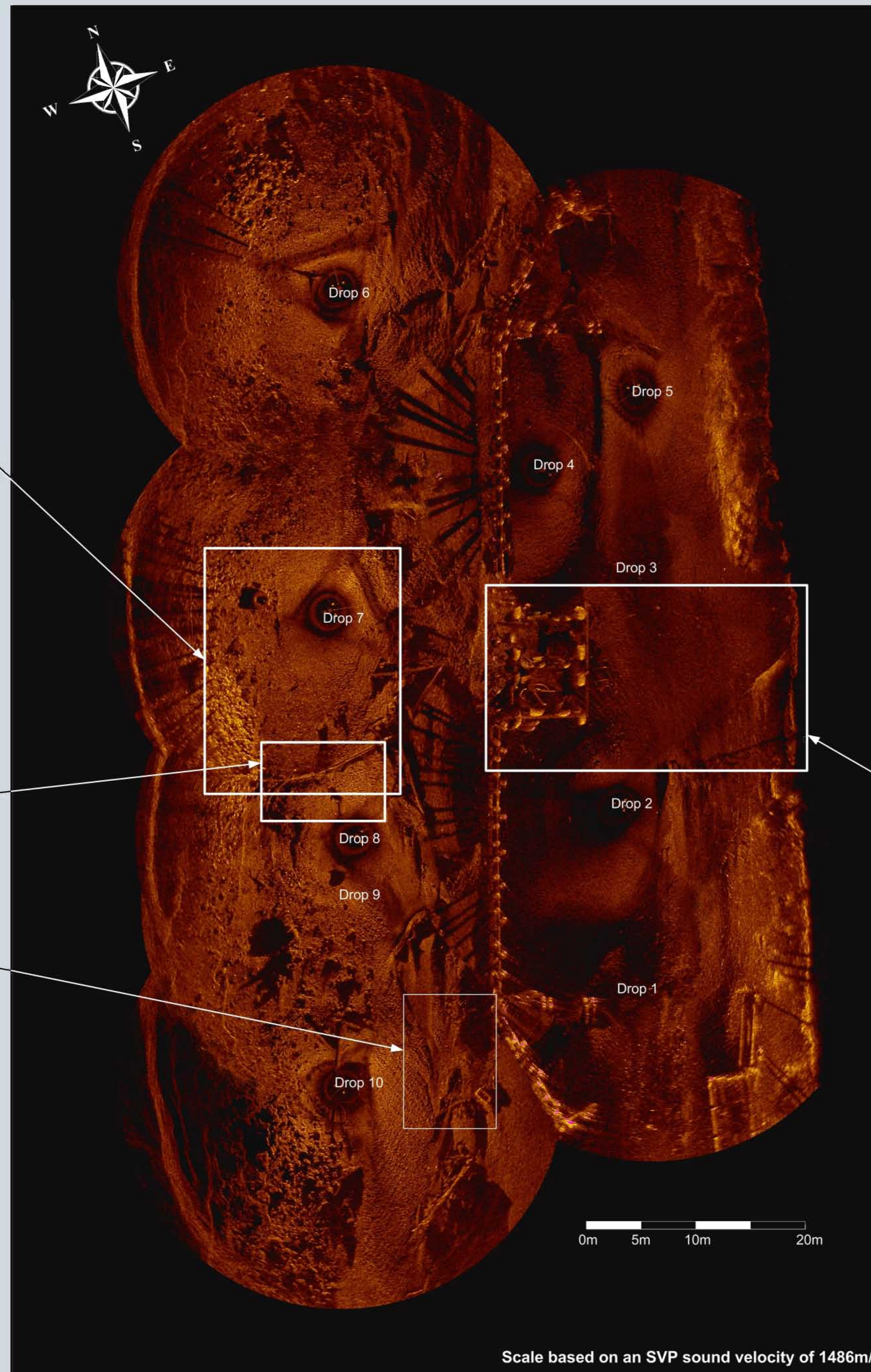


# Georgiana Slough Bridge Riverbed Scanning Sonar Mosaic



Sediment bedforms and antique Philco Refrigerator (target confirmed by divers)

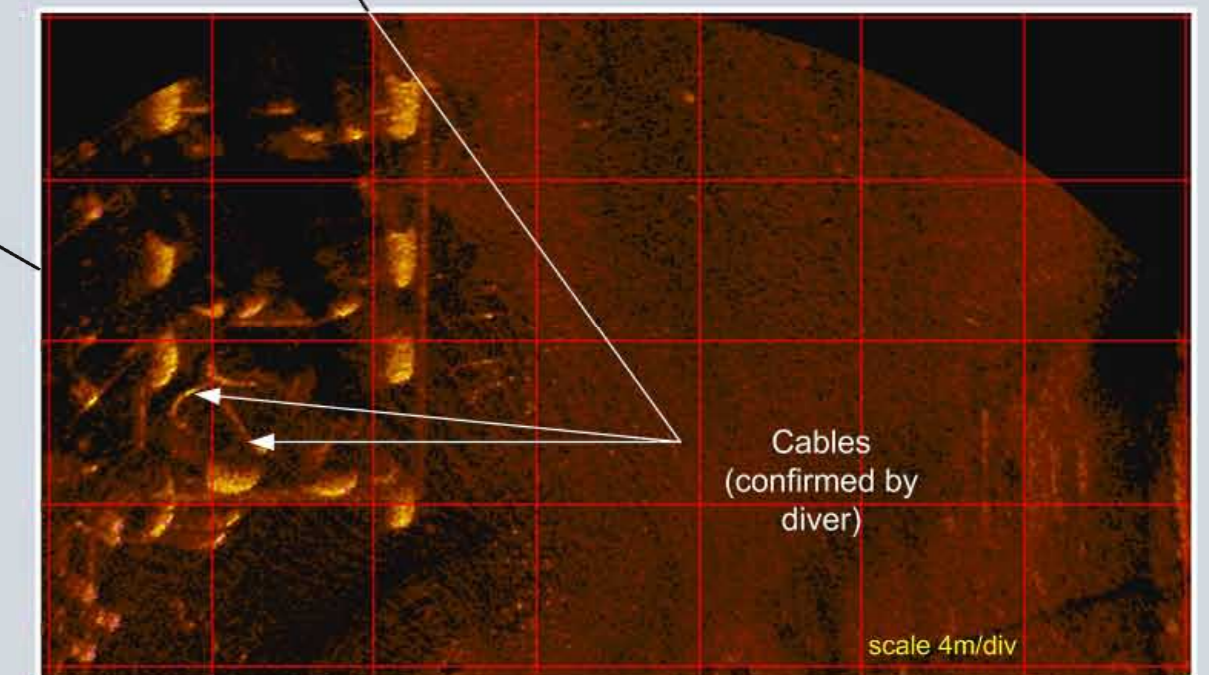
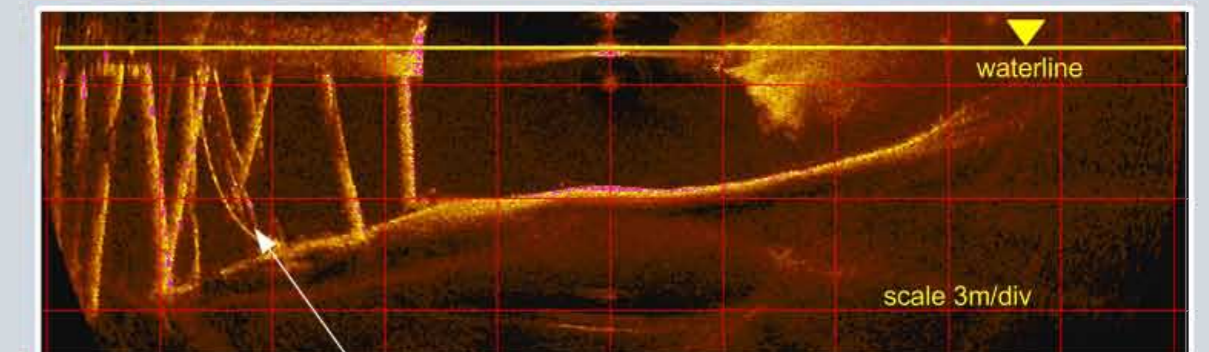
Sonar drops 7 and 8 show two parallel linear targets – suspected power cables – on the riverbed.



Data collected using a Kongsberg Mesotech, MS 1000 Scanning Sonar System (tunable frequency high resolution sonar head 675-1.2MHz). This survey was completed at 1.1MHz with the exception of Drop 1 (675kHz)

All plan view images of the riverbed were taken by deploying the sonar head in a tripod; the vertical visualization image was collected by pole-mounting the sonar head.

Vertical visualization of pier showing piles and cables suspended in the water column; waterline elevation 14' (local datum staff on pier)



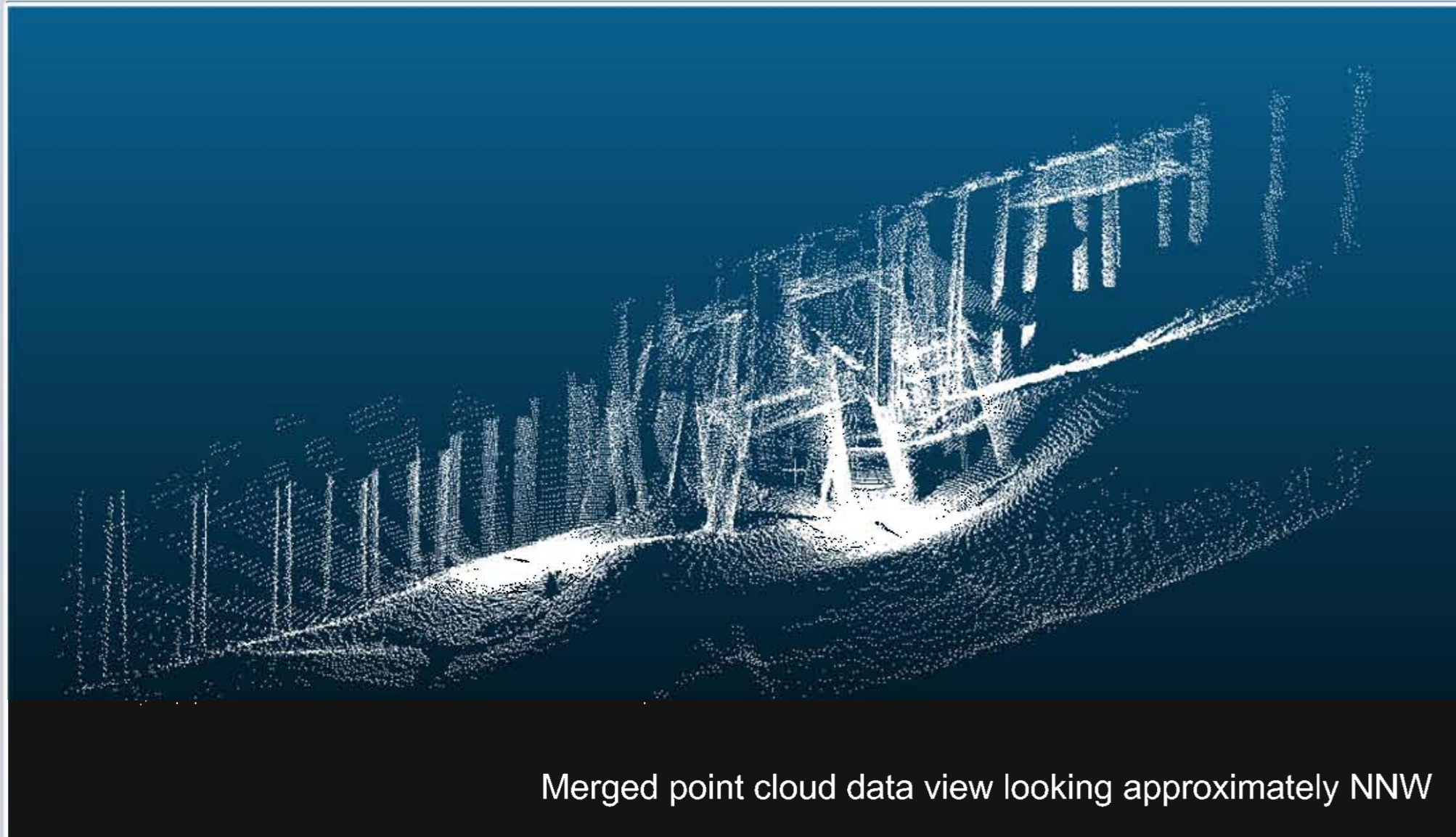
Sonar Drop 2 showing plan view of pier and cables



View looking approximately ENE of pier (www.bridgehunter.com)



# Georgiana Slough Bridge Point Cloud and Vertical Visualization Data



Merged point cloud data view looking approximately NNW



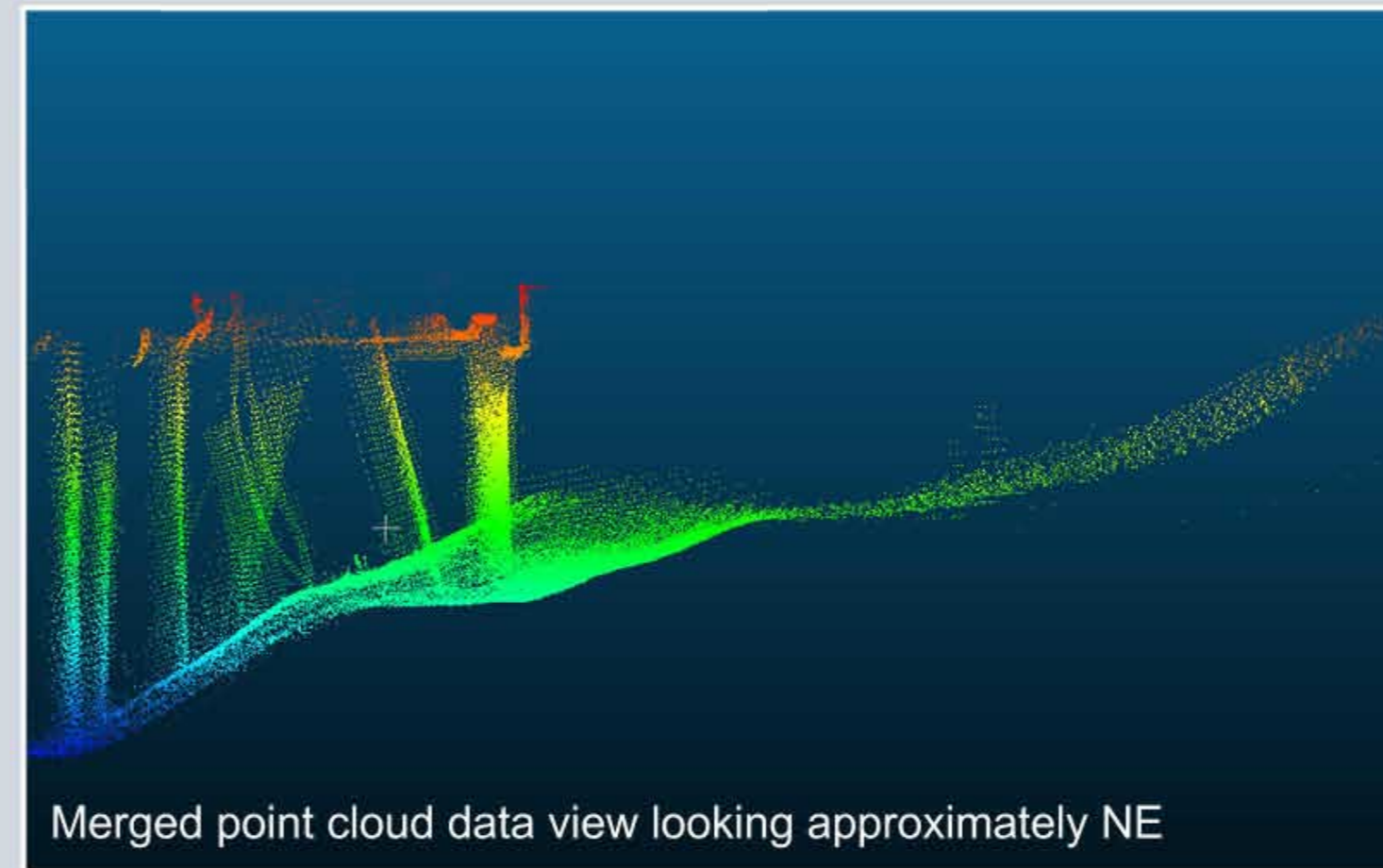
Domed 1171-Series Profiler and Rotator

Point cloud data collected using the MS 1000 3D profiling system with a tunable frequency 1171-Series Profiling head (675kHz-1350kHz).

For this survey the frequency was set at 1105kHz.

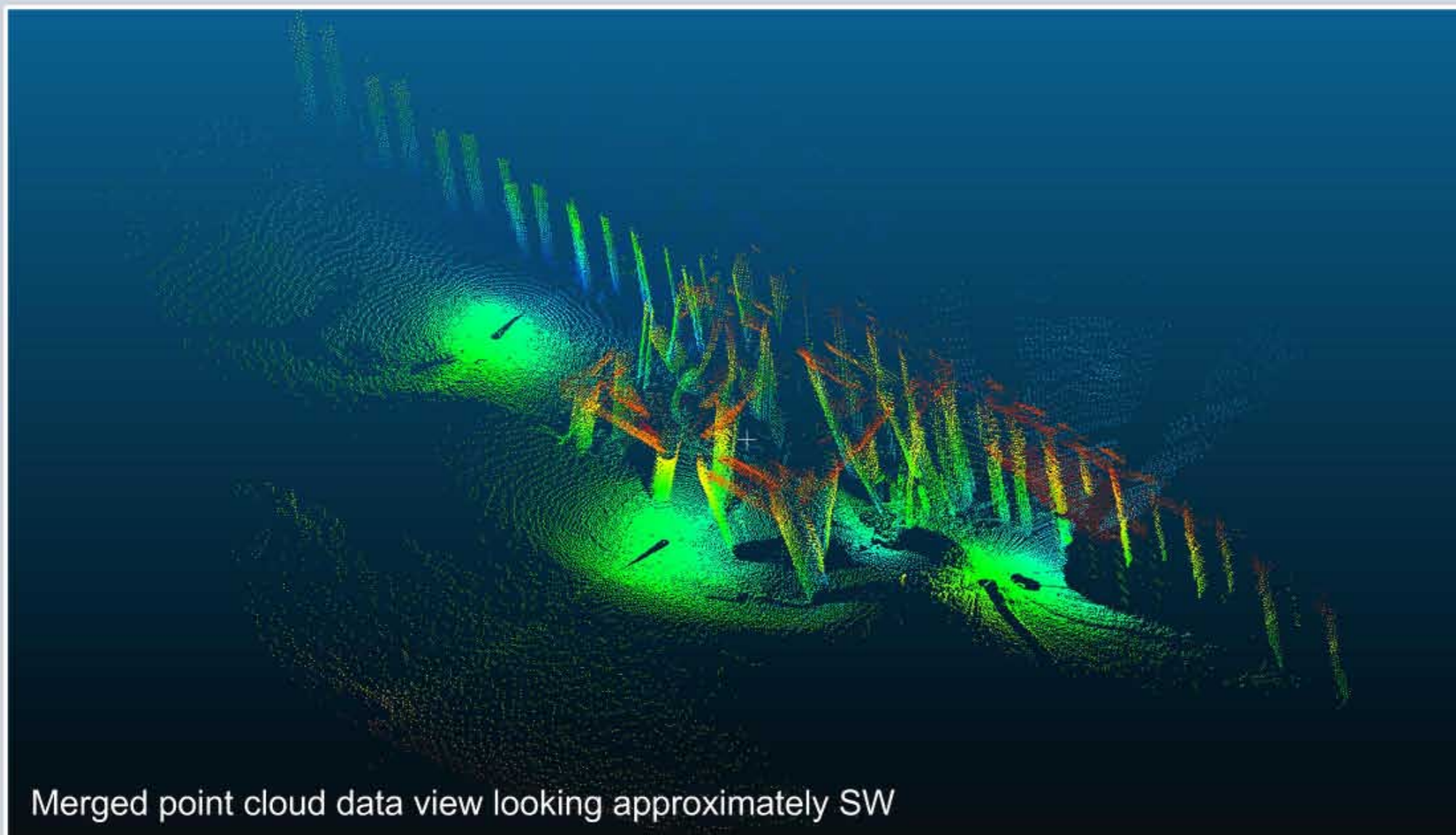
The head and rotator were tripod-deployed.

The vertical visualization data was collected with an 1171-Series, tunable-frequency High Resolution Sonar Head set at 1100kHz.

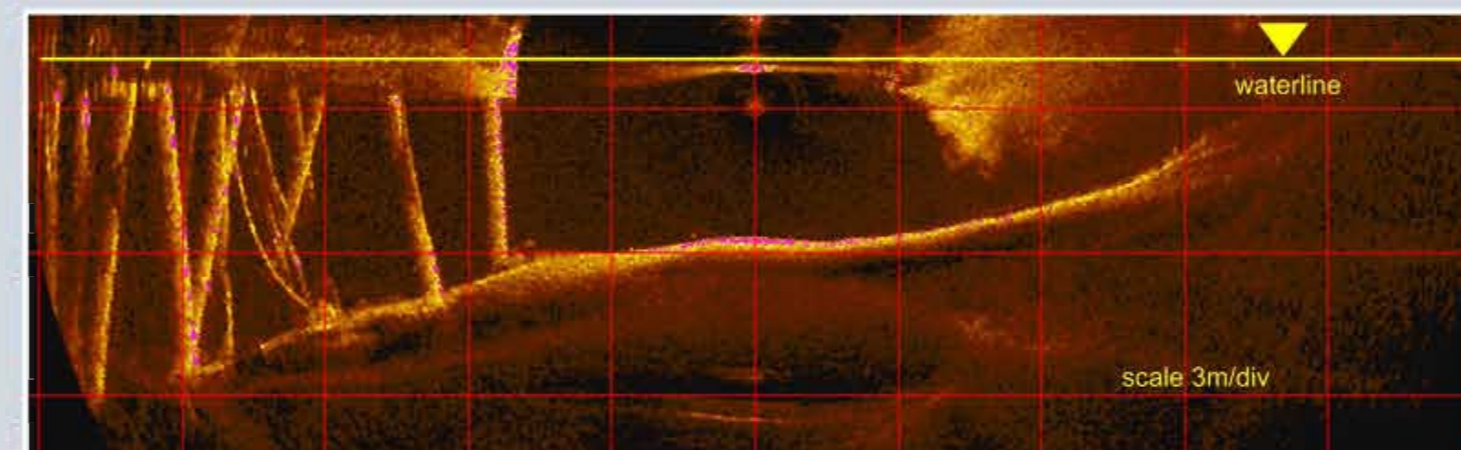


Merged point cloud data view looking approximately NE

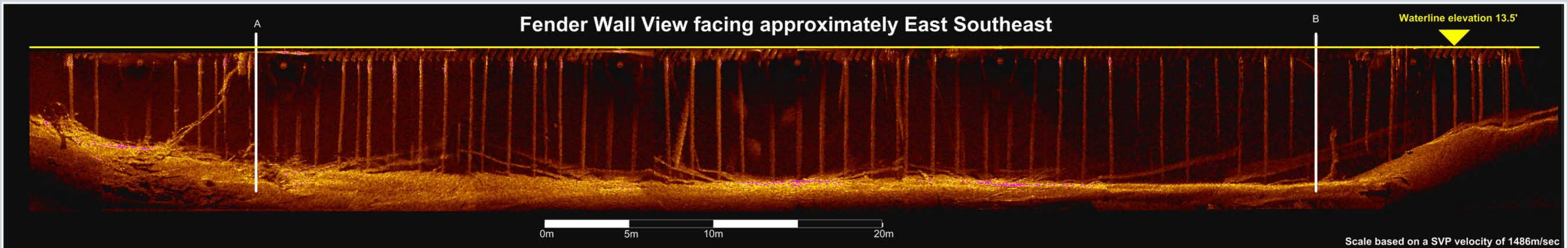
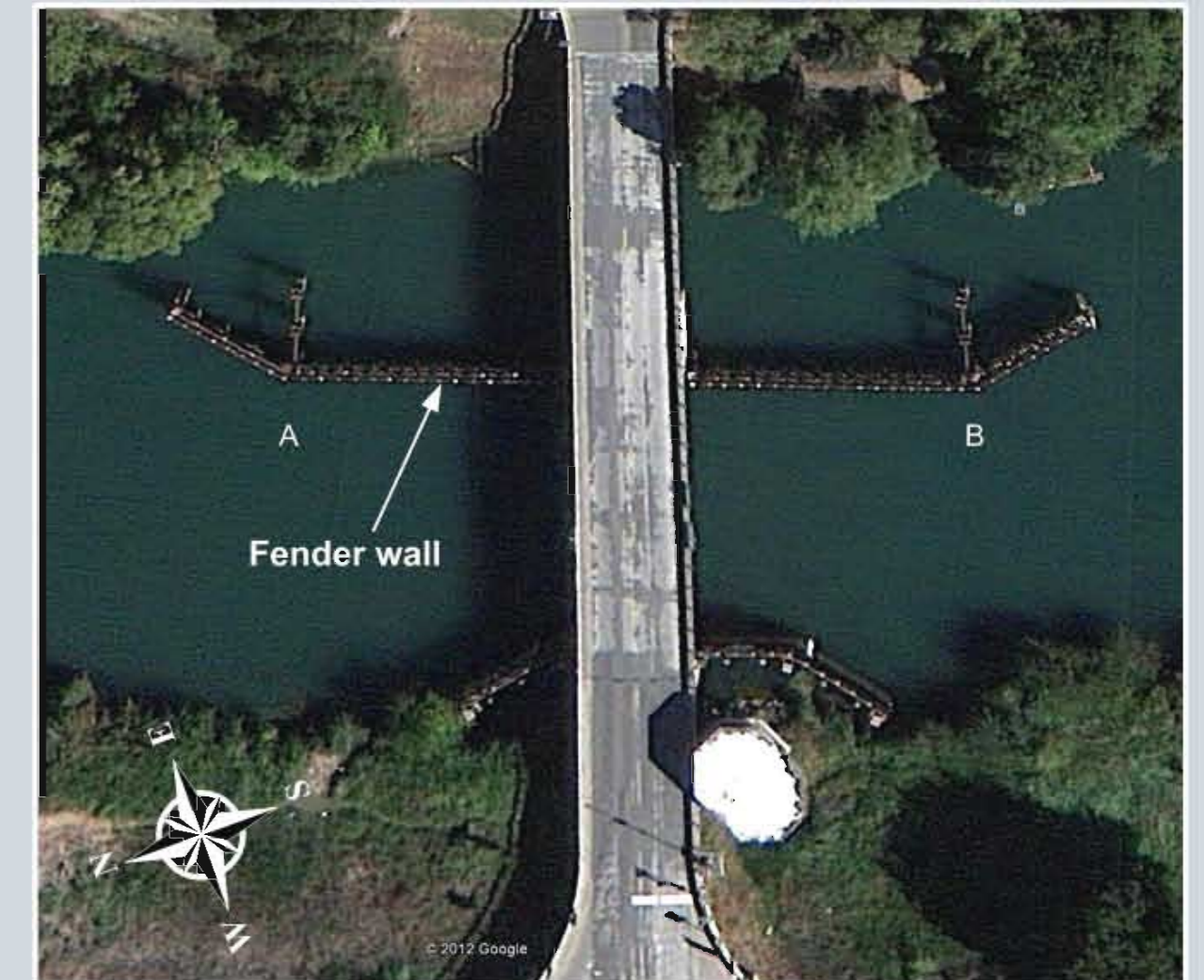
Vertical visualization of pier showing piles and cables suspended in the water column; waterline elevation 14' (local datum staff on pier)



Merged point cloud data view looking approximately SW



Georgiana Slough Bridge ([www.google.com/earth](http://www.google.com/earth))



Fender Wall View facing approximately East Southeast

Waterline elevation 13.5'

0m 5m 10m 20m

Scale based on a SVP velocity of 1486m/sec