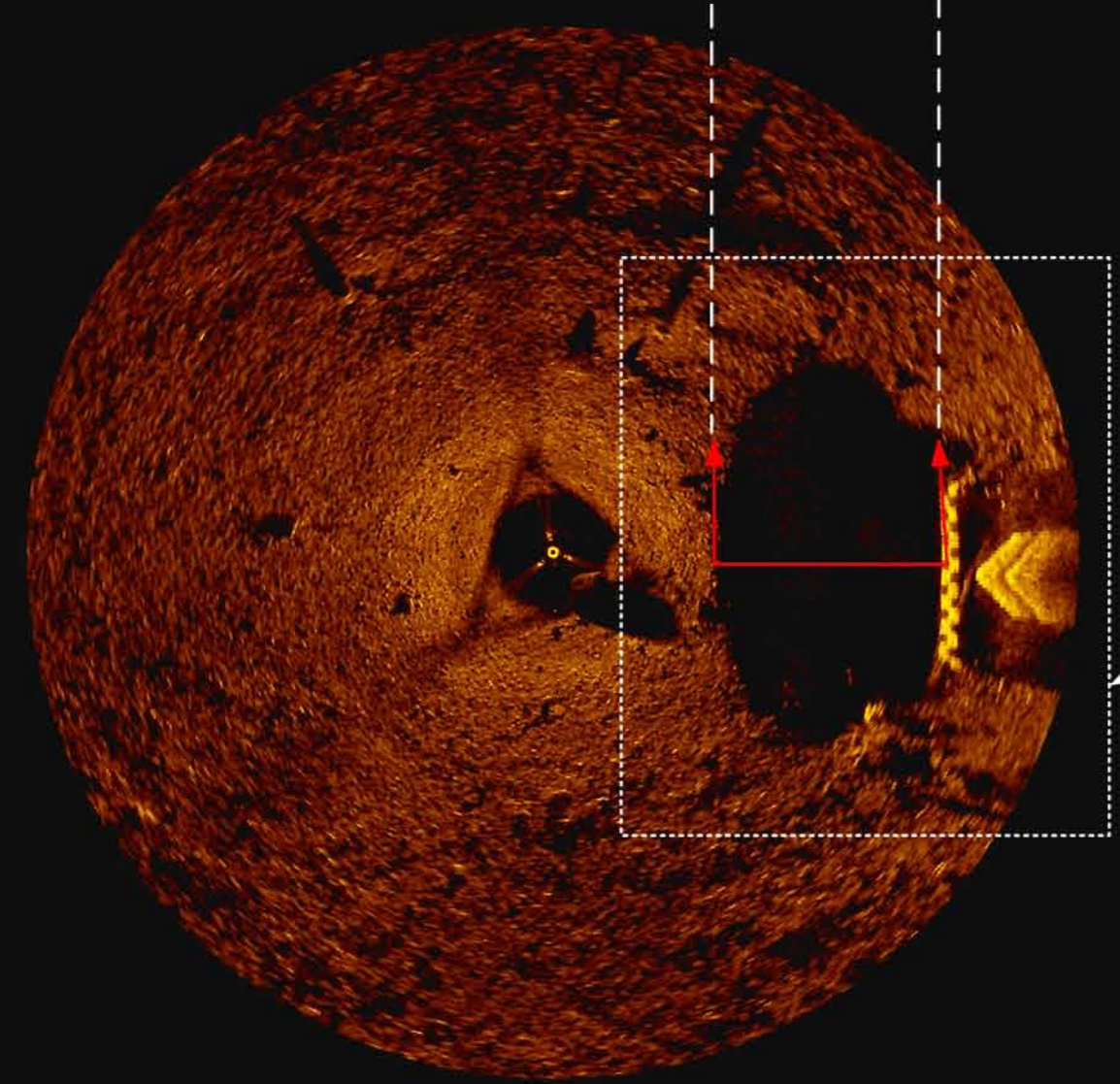
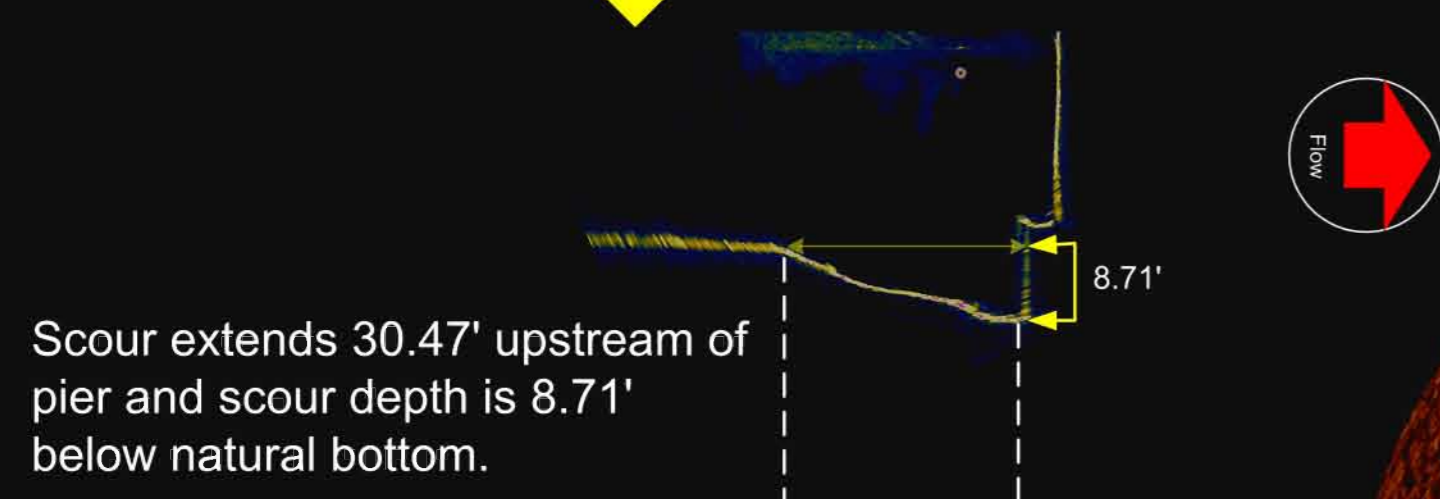




Bridge Pier Riverbed Survey, Pittsburgh, PA

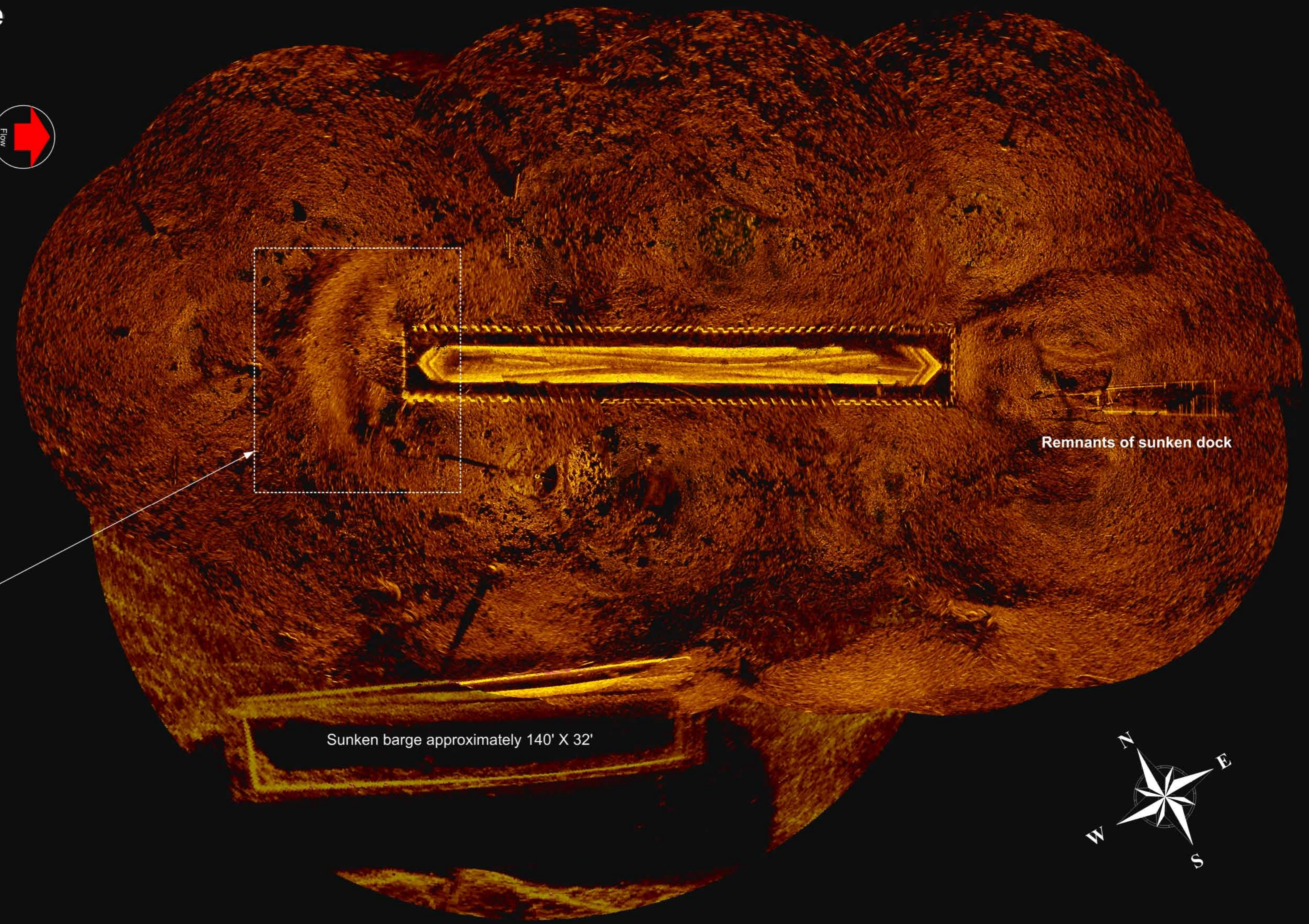
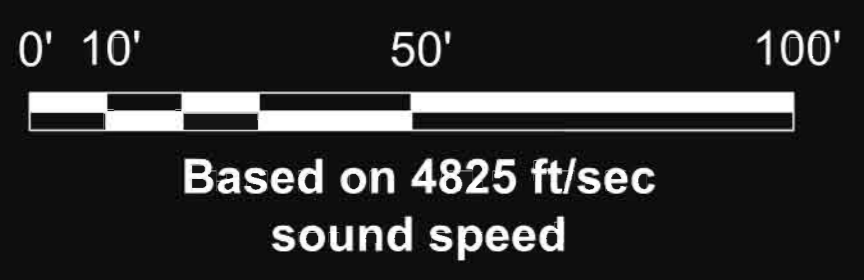
Pier Profile Upstream Bullnose

Waterline elevation 15.4' local datum



Plan View Scan of Bridge Pier Showing Scour Area and Profile Alignment (in red)

Scour area 1119.46 sq ft
Scour perimeter length 142.25 ft



The riverbed survey adjacent to a bridge pier in Pittsburgh, PA, revealed an unknown sunken barge, a scour hole on the upstream bullnose of the pier, and remnants of a sunken dock. The scanning sonar head was lowered into the scour hole to determine whether it was filled with debris that could potential entrap the inspection divers. Scanning sonar plan view data collection took 55 minutes to complete. The mosaic was completed using Photoshop®.