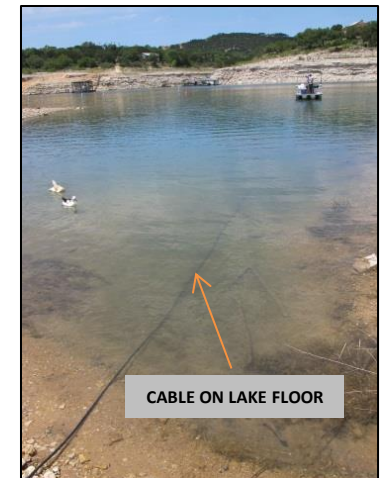
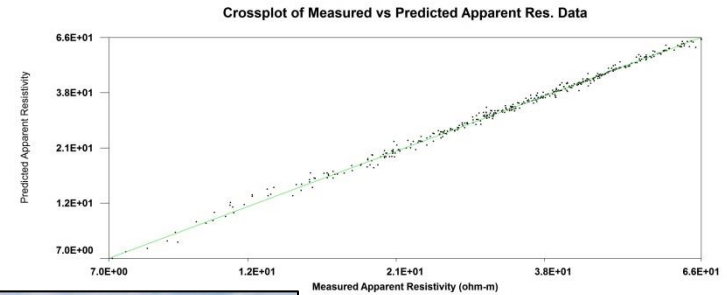
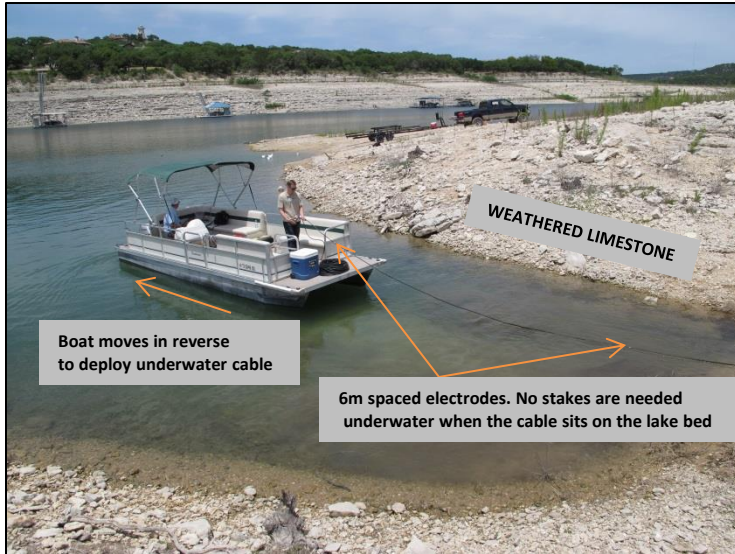
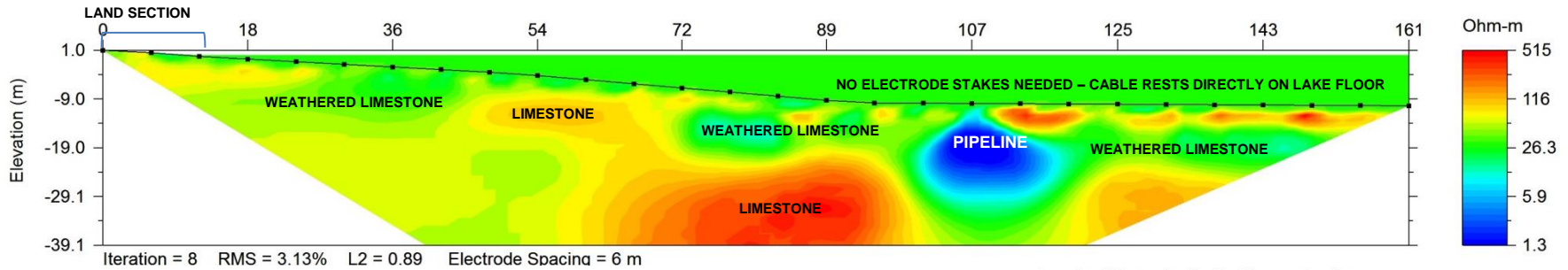


# Underwater Resistivity Surveys

## Lake Travis – Austin, Texas



**Objective:** Locate buried pipeline and map the limestone bedrock surface

**Site:** Lake Travis, near Austin, Texas USA during the AGI Marine Resistivity Seminar

**Date:** May 1, 2014 and May 7, 2015

**Instrument:** SuperStingR8 WiFi, SwitchBox56, underwater marine cable with 28 electrodes spaced at 6m.

**Software:** EarthImager 2D underwater resistivity inversion model incorporating bathymetry and water conductivity data

**Result:** Underwater resistivity imaging mapped the limestone bedrock and located the City of Cedar Park, TX water supply pipeline.

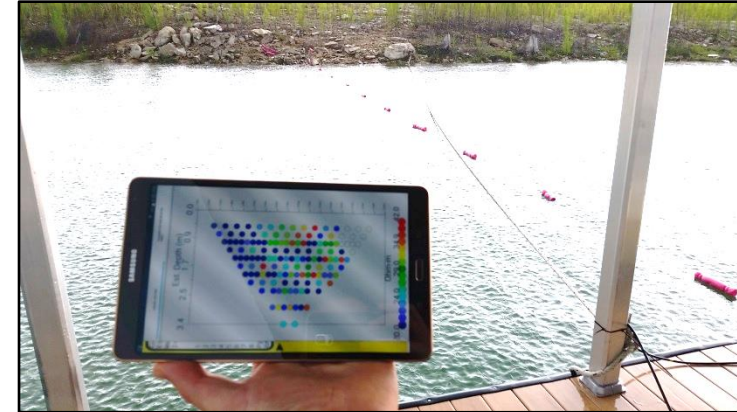
# Underwater Resistivity Surveys

## Lake Travis – Austin, Texas

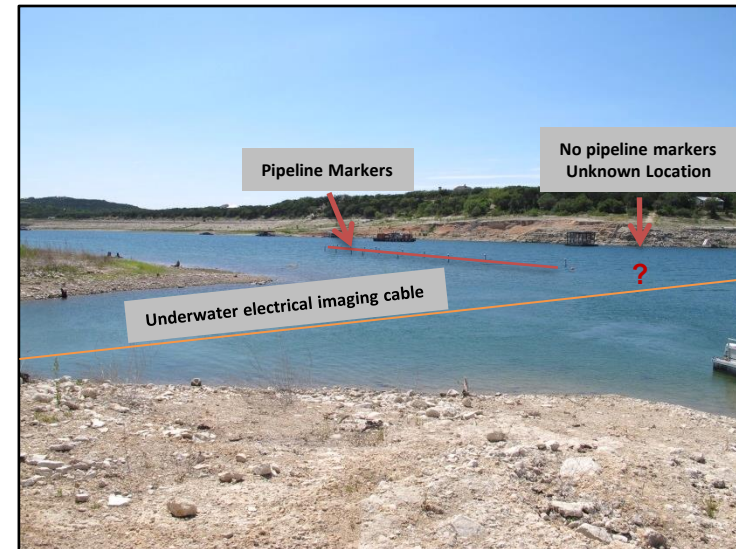


In the 2015 survey, full remote control with real time pseudo-section plotting was used to operate the instrument.

**Additional Details:** The exact location of a water supply pipeline was found in an unmarked location of the lake with the SuperStingR8 WiFi and underwater marine cable. The pipeline design is steel with a 72 inch (~1.8m) diameter that can provide 20 to 25 million gallons of water per day (MGD). Additional information regarding the surrounding limestone and weathered limestone was also imaged.



In 2015, the full survey was run remotely over WiFi with real time data plotting. The resistivity pseudo-section is shown with color coded points in this field picture.



The 2014 layout of the underwater imaging cable that runs across the Lime Creek inlet of Lake Travis, Texas. The marked and unmarked locations of the underwater pipeline are shown.