



AFFILIATED RESEARCHERS' TEAM conducts hydrographic and geophysical surveying in Lake Superior

AFFILIATED RESEARCHERS' Scientists and Technicians are conducting hydrographic and geophysical surveying over a 2-mile corridor in Lake Superior as part of an underwater utility replacement project.

Using two multibeam sonar systems (*Edgetech* and *R2Sonic*) paired with inertial motion system (*Applanix*) AFFILIATED RESEARCHERS' Team is collecting precise hydrographic (bathymetric) data in water depth ranging from 5' to 165' over the entire extent of the utility corridor. These *Edgetech* and the *R2Sonic* systems both exceed IHO SP-44, NOAA, and USACE specifications for hydrographic surveying.



AFFILIATED RESEARCHERS' Team needed to utilize two different *Edgetech* side scan sonar systems, paired with an inertial motion system, to collect precise side scan imagery data in the shallow and deep-water areas of the utility corridor. Both of these systems are capable of obtaining excellent, 1/2 inch image resolution.

As part of the utility replacement project, our Team will be collecting sub-bottom profile data using a *Innomar* system and magnetometer data using a *Geometrics* system throughout the extent of the corridor.

AFFILIATED RESEARCHERS has conducted hydrographic and geophysical surveys on numerous projects for various State and Federal Agencies to include USEPA, NOAA Fisheries, DHS, and the USACE as well as municipalities, engineering firms, utility companies, the oil and gas industry, and for dredging operations.

AFFILIATED RESEARCHERS maintains Commercial Liability, Professional Liability, Workman's Compensation (to include Jones Act, and USL&H), and Excess Umbrella coverage. Our survey vessels are professionally maintained, well equipped, commercially insured, and meet USCG requirements. Our staff members have current certifications for First Aid, CPR, boat operation, and OSHA HAZWOPER.

We specialize in mobilizing and conducting hydro-geophysical surveys nationwide, and under challenging site conditions.