

completewaters is an underwater service provider based in Southern Ontario, Canada. Our purpose is to provide a safe and efficient underwater service that can be utilised by all industries working in and around water.

SERVICES

We provide underwater imaging, underwater object retrieval and underwater environmental sampling to a wide range of clientele in the engineering, public utilities, aquatic research, marine construction and shipping industries. completewaters operates Canadian made Observation Class ROV, with years of inland water experience in technical waters from streams and rivers to harbours, lakes, underground civil infrastructure and water storage facilities.

SUBMERGED INFRASTRUCTURE

Submerged asset imaging in fresh water. With fully portable ROV we can access and dive in difficult, remote and shallower waters where human occupancy is too dangerous. A smart and efficient workflow for preventative maintenance and engineering reconnaissance. All season abilities, all water types including harbours, lakes, rivers, streams, underground pipes, intakes and outfalls. Live time viewing via HDMI to external screens onsite.

SHIPPING

Safe and efficient sea chest, prop and propellor inspections eliminating commercial dock shutdowns. No human occupancy in water. High definition detailed imaging showing asset condition for shipping engineers to determine dry dock timeframes and regulatory reporting.

AQUATIC RESEARCH

Lakebed surveys and marine construction monitoring. Detailed imaging of pre, during and post project of lakebed and fish habitats. Work from dockside or from boat, video analysis and photo POI for detailed reporting and monitoring.

SAMPLING

Water samplers with ability to collect 125ml to 1L of water from any water type and depth. Sediment scoops collect 250gram to 500gram samples from all water types. High definition video footage in live time and recorded for extra data in reporting.

EQUIPMENT SPECIFICATIONS

- 360mm (14.2") W x 310mm (12.2") H x 576mm (22.7") L
- Depth rating 305m
- 100% battery operated
- Field swappable batteries with hybrid power option
- Surface controlled and tethered
- Operating temperature -10°C to 50°C (14°F-122°F)
- 4K UHD Cameras with text overlay
- Auto heading and depth sensors
- Two function grabber arm and claws
- Low light auxiliary lighting
- Water and sediment samplers
- Airline travel approved

OBJECT RETRIEVAL

Accessing remote locations and depth rated to 305 meters, the retrieval of research equipment and lost items done in a safe way that eliminates divers. Multi function grabber arms and claws for a range of waters and flows. Dive retrieval lines and connect to lifting points.

USBL POSITIONING

Ability to integrate Ultra Short Baseline (USBL) onto the ROV in open water environments for underwater positioning of targets, infrastructure and substrates.

MULTIBEAM IMAGING SONAR

Ability to integrate multi beam imaging sonar onto the ROV for visualization in turbid waters. On a 97° rotating platform controlled by the operator, the sonar can be used to image submerged infrastructure in waters where UHD cameras cannot.

IMAGERY INFORMATION



WHO WE SERVE

Engineers	Aquatic Biologists
Municipalities	Marine Construction
Shipping	Object Retrieval & Sampling

