



OPEN WATER SURVEY VESSEL

ASI SURVEYOR

MARINE SERVICES

GENERAL SPECIFICATIONS

CONSTRUCTED

Custom made aluminum survey vessel with full enclosed cabin

COMBINED BOAT & TRAILER WEIGHT

2670 KG (5886.3 LBS)

(as weighed on scales at MTO)

ESTIMATED TRAILER WEIGHT

454 KG (1000 LBS)

ESTIMATED BOAT WEIGHT

2216 KG (4886.3 LBS)

HULL

Length 7.6 m/25 ft.

Beam 2.7 m/9 ft.

MINIMUM DRAFT REQUIREMENT

0.6 m/2 ft."

DECK SPACE

2m/6'-5"L x 2.4 m/8'-0" W open aft deck

DECK EQUIPMENT

Small davit with hand winch

PROPULSION

Evinrude 200 Hp outboard

Evinrude 9.9 Hp kicker

NAVIGATION INSTRUMENTS

Radar: JRC 1000

DGPS/Sounder: Garmin GPS map 168 sounder

Sounder: Impulse QT206

RADIO EQUIPMENT

VHF Icom IC M45

POWER SUPPLY

12V and 110 V onboard supply



MARINE GEOPHYSICAL SERVICES

SINGLE BEAM AND MULTIBEAM ECHO SOUNDING

Provides precise depth measurements for hydrographic/bathymetric surveys for engineering applications.

SIDE SCAN SONAR SURVEYS

Simultaneous collection of dual frequency (100/500 kHz) side scan sonar data for bottom mapping.

SUB-BOTTOM PROFILING

Detection of buried targets and measurement of overburden thickness.

MARINE MAGNETOMETER SURVEYS

Detection of ferrous targets on or below the bottom surface.

OPEN WATER REMOTELY OPERATED VEHICLE (ROV)

ASI's SeaEye Falcon and Seabotix LBV utilized in geophysical surveys are depth rated to 300 m and operate at speeds up to 4 knots. They are equipped with profiling/imaging sonar, video, still photography and manipulators.

WATER/SEDIMENT SAMPLING

Deployment of limnological instrumentation for environmental impact assessment, habitat assessment and biological sampling.

COMMERCIAL DIVING SERVICES

ASI conduct commercial diving services compliant under the Province of Ontario - Ministry of Labour guidelines, diving Regulations O. Reg.. 629/94 and Canadian Standards Association (CSA) guidelines Competency Standard for diving operations CAN/CSA-Z275.4-97. Diving operations are supported by 3-5 man commercial crew, using surface supplied air diving systems and two-way voice communications technology between the diver and topside personnel.

UNDERWATER INSPECTIONS

Civil engineering visual, photographic, video and sonar inspections; metal thickness/nondestructive testing; cathodic protection surveys.

ENVIRONMENTAL SERVICES

Spill site inspections and remediation, substrate mapping; delineation and mapping of sediment contaminant; physical removal of contaminated sediment.



MOBILIZATION & DEMOBILIZATION

The complete system can be trailered for road transportation to and from work sites. ASI Surveyor can be launched by trailer at suitable boat ramps or deployed by crane in areas with limited access.



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