



OPEN WATER SURVEY VESSEL

INSPECTOR

MARINE SERVICES

GENERAL SPECIFICATIONS

CONSTRUCTED

Custom made aluminum survey vessel with full enclosed pilot house

ESTIMATED BOAT WEIGHT

6,800 LBS

HULL

Length 24 ft.

Beam 8.5 ft.

DECK SPACE

open aft deck

PROPULSION

Hamilton Jet Drive 212

NAVIGATION INSTRUMENTS

Radar: Raytheon Pathfinder SL70

Loran: Garmin GPS 125

RADIO EQUIPMENT

Horizon Marine VHF

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)

Aquatic Sciences' SeaEye Falcon and Seabotix LBV utilized in geophysical surveys are depth rated to 1000 ft. 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.

MOBILIZATION & DEMOBILIZATION

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



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