



WORKING CLASS VESSEL

ASI CLIPPER

DIVE VESSEL

CONSTRUCTED

- Custom made steel diving survey vessel with full enclosed cabin and recompression chamber

REGISTERED WEIGHT

- 57.73 tonnes (52.48 tons)

HULL

- Length 21.3 m/70 ft.
- Beam 7 m/23 ft.

MINIMUM DRAFT REQUIREMENT

- 1.7 m/5.5 ft.

DECK SPACE

- 9.5 m/31 ft. L x 6.4 m/21 ft. W with open aft deck

COAST GUARD CLASS

- Near Shore Coastal 2

SPEED

- 12 knots

FUEL CAPACITY

- 2,000 Imperial gallons

GENERAL SPECIFICATIONS

DIVE EQUIPMENT

- 42" Perry double lock recompression chamber
- 1- Quincy 350 CFM Compressor
- 1 - 7.5 CFM HP compressor
- 1- 6 bottle HP cascade storage system
- 1- 100 gallon L.P. volume tank
- 2 -350 ft. umbilicals

DECK EQUIPMENT

- 3 ton HIAB crane
- anchor handling winch (25 ton line pull)

LICENSED TO CARRY

- 8 passengers, 2 crew
- deck cargo

PROPULSION

- Volvo TAMO 121C @ 400 hp
- 50 hp hydraulic bow thruster

POWER GENERATION

- Detroit Diesel 353 series engine @ 1200 rpm 20 kw three phase gen. set
- Detroit Diesel 371 series engine @ 1200 rpm 35 kw three phase gen. set

NAVIGATION INSTRUMENTS

- Icom 48 mile radar
- RayNav 570 Loran C
- North Star 941X DGPS
- Furuno colour depth sounder
- Constellation Compass

RADIO EQUIPMENT

- Icom 125 VHF transceiver
- Uniden VHF transceiver

POWER SUPPLY

- 12V and 110V onboard supply

OTHER FEATURES

- Galley and accommodations for 6 crew
- Sanitation holding tank
- Furnace
- 3-fluid tanks with 2000 gallon total holding capacity, complete with fluid transferring system

MOBILIZATION & DEMOBILIZATION

The vessel is moored in Lake Ontario at St. Catharines and can be deployed to all parts of the Great Lakes water system.



40 Centre Drive
Quaker Centre Business Park
Orchard Park, NY 14127
716-667-3507 Tel
716-667-3509 Fax

www.aquaticsciences.com





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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DESCRIPTION

- Work/Landing Barge with drop down bow, vessel is trailerable

CONSTRUCTION

- Fibreglass and aluminum

WEIGHT

- 4500 lbs.

HULL

- Length 7.3 m/24 ft.
- Beam 2.4 m/8 ft.

DECK SPACE

- 23.5 sq. m/77 sq. ft. with 2 ton load capacity

SPEED

- 15 knots

WORKING CLASS VESSEL

ASI Sealander

DIVE VESSEL

GENERAL SPECIFICATIONS

DIVE EQUIPMENT

- Fully equipped to support a 3 or 5 man commercial dive crew with
- HP air diving system

DECK EQUIPMENT

- Forward 1-ton lifting frame with winch

LICENSED TO CARRY

- 7 passengers
- deck cargo

PROPULSION

- Inboard-outboard MercCruiser 260hp gas with Volvo Penta outdrive
- 9hp Mercury outboard (kicker motor)

NAVIGATION INSTRUMENTS

- Depth Sounder GPS combination

RADIO EQUIPMENT

- VHF radio

OTHER FEATURES

- Ideal for surveying, dive support and maintenance/construction projects

MOBILIZATION & DEMOBILIZATION

The vessel is mobilized from St. Catharines and can be deployed to all parts of the Great Lakes water system.



PO Box 2205, 250 Martindale Road
St. Catharines, ON Canada L2R 7R8
Tel 905-641-0941 Fax 905-641-1825

PO Box 86, 120 Seaway Road
Sarnia, ON Canada N7T 8A5
Tel 519-383-7822 Fax 519-383-7870

www.asi-group.com



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

REGISTERED FOR
ISO 9001:2008



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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.