

The Seabed AUV

Developed by Woods Hole Oceanographic Institute (WHOI)

Depth Capability 700 m (upgradable to 2000 m)

Size 2.0m(L), 1.5m(H),

Mass 280 kg in air

Speed Range (Typical) 0-1.5m/s (1.0m/s)

Batteries - 2kWh rechargeable Li-ion Pack (8 hour endurance)

Propulsion Four DC thrusters - Fore 100N;
Lateral 50N; Vertical 50N

Navigation and Attitude - Depth Paroscientific
pressure sensor, 0.01%

Position LBL+ 300 kHz RDI navigator, 0.1-1m

Micromodem for low bandwidth comms

MST 300kHz Sidescan

High Dynamic Range GigE camera

Imagenex Delta-T multi-beam sonar

Ixsea Octans 3 axis FOG Heading Sensor

Chemical Sensors – Fluorometers, METS
methane

Seabird Pumped CTD

