



Glider gains GPS location and communicates shoreside via iridium satellite to interact with pilot, receive updated, and transfer gathered data instructions

1000m

Redwing dives and resurfaces every 8-12 hours

Average glider speed: 0.75 knots / 0.4m/s

Top Glider Speed (With thrusters): 3 knots / 1.5 m/s

Angle of ascent and descent: 26 degrees

Glider navigates underwater using a compass and an attitude sensor that measures pitch and roll.

Altimeter measures distance above the seafloor to prevent collisions



Fish tracker monitors for tagged marine animals



- **CTD Sensor Measures:**
 - Water conductivity
 - Temperature
 - Depth/Density