



Urban Coast Institute: R/V Heidi Lynn Sculthorpe



Acquired from NOAA and originally built as a Coast Guard buoy tender, the Research Vessel Heidi Lynn Sculthorpe is fully-equipped to operate up to 20 nautical miles offshore. The 49-foot vessel is rigged to carry out a variety of scientific operations, such as:

- Deployment of hydrographic survey equipment
- Water quality sampling and monitoring
- Trawling, dredging, and deployment of fixed gear to support near coastal fisheries research and stock assessment
- Collection of plankton using surface and mid-water gear
- Scientific diving operations
- Collection of sediment cores using benthic grabs and gravity corers
- Deployment and recovery of oceanographic buoys and moorings

Specifications

Length: 49 feet

Deck Area: 225 square feet

Beam: 16.8 feet

Draft: 5.6 Feet

Displacement: 35.57 long-tons

Max Speed: 11 knots

Service Speed: 10 knots

Range (at 10 knots): 300 nautical miles

Endurance: 4 days

Capacity: 1 captain and 22 passengers

Propulsion: Twin 8V-71 Detroit diesel engines @ 305 HP each

Power: 22 kW, 120/240 60 hertz, 120 amps

Equipment

Anchor Windlass: Vetus Den Ouden Alexander II

Main Winches: Two Pullmaster KPL8 winches

Wire Capacity: (1/4" Wire Rope) 684 feet

A-Frame: 18 feet 1 1/16" high by 144" wide.

Safe working load of 1,800 lbs.

Net Reel: Aluminum net reel with direct drive motor

Dimensions: 72" wide by 36" diameter flange

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October 2018

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