

Appendix F – Vessel Specifications

Vessel Specifications

Shawn Alan



Size	34' X 9' with a 3.5' draft
Speed	15 knots
Passenger capacity	6
Engine	Caterpillar 320 hp
Route	Near Coastal, Lakes, Bays and Sounds
MOB Equip	Life Sling recovery system utilizing a built in davit on transom
First Aid Kit	Yes fully stocked, much better complemented than the industry standard.
Fire Fighting	one 20lb simi-portable CO2 and one 10lb dry chemical.
Electronics	GPS/Chart plotter, Vhf, Sounder, Radar.
Aux Power	3000 watt inverter with separate charging system and batteries.
Dewatering	One 10.8 GPM 24 volt pump, One 500 GPH 24 volt pump and two hand bilge pump.
Signals	Four Red Flares, Electric Horn.
Alarms	High temp, Low oil, high water in main compartment and high water in forward compartment.

Cape Crusader



Size	47' X 14' with a 5' draft
Speed	18 knots min cruise
Passenger capacity	6
Cargo Capacity	This vessel can carry a large verity of research and dive equipment however is not allowed to function as a freight vessel for large stores and spares.
Engine	Twin Detroit 450 hp
Route	Six pak to 100miles offshore.
MOB Equip	Life Sling recovery system. Two side recovery wells. Floating Back Stokes Litter with lifting slings.
First Aid Kit	Yes fully stocked, much better complemented than the industry standard.
Fire Fighting	Three 10lb CO2, fire alarm
Electronics	GPS/Chart plotter, Vhf X 2 , Sounder, 4000 watt Radar, Class B AIS.
Aux Power	9.5 kw single phase 110/220 volt gen.
Dewatering	7 24 volt electric dewatering pumps. .
Signals	Three Red Flares, three orange smoke signals, Electric/Air Horn.
Alarms	High temp, Low oil, high water in eng compartment and high water in aft compartment, high water in passenger compartment, high water in fwd compartment. Steering failure alarm, charging failure alarms. auto pilot failure alarms.

Little Brutus



Tugs being normally classified by horsepower first then number of engines then length, reduction gearing ratio, and wheel size (propeller diameter). The Little Brutus is a twin-screw 1,000-hp model bow tug, 42 feet long, with 4.5 to 1 reduction through 42” propellers. Cape Henry Launch currently uses this vessel for push boat work, hawser handling and the docking/undocking of ships up to 300 ft long. The Little Brutus is USCG inspected and maintained under requirements for “Towing Vessels” rules 46 CFR.

The Little Brutus underwent a year-long extensive refit finishing up in September of 2012. All running gear and engines were reworked. Extensive replating and reframing were completed allowing for a very solid tug. All piping, wiring, lighting and instrumentation was renewed as well.

Length	42 feet
Breadth	14.7 feet
Draft	6.5 feet
Horsepower	700 continuous, 1,000 intermittent
Generator	5.5 kW diesel
Fuel	1,800 gallons
Fire Pump	125 gallons per minute