R/V **Empire Defender**

*Empire Defender* is owned by the St. Augustine Lighthouse & Maritime Museum’s research division, the Lighthouse Archaeological Maritime Program (LAMP). The boat is outfitted to support survey and diving operations in both inshore and nearshore capacities. *Empire Defender* is federally documented (ON 601523) with the United States Coast Guard for coastwise, recreation, and fishery and outfitted with all required safety equipment. The work deck is outfitted with twenty SCUBA tank racks and two lengthwise benches for divers. An onboard 1000w sinewave inverter provides 120 VAC power and a portable generator may be provided for additional power needs. An approved marine sanitation device is carried in a forward compartment.

**Specifications:**
- Length (overall): 36’
- Breadth: 11’
- Draft: 3’
- Cruising speed: 14kts
- Propulsion: Caterpillar 3126T rated for 350hp
- Fuel: 130 gal
- Range: 145nm in 7kts efficiency mode, 56nm @ 14kt cruising mode (estimates leave 1/3 fuel in reserve)
- Fuel consumption 1.9GPH @ 7kts, 10GPH @ 14kts
- Onboard navionics include: Garmin 5212 Chartplotter, Garmin xHD 4kw 72nm radar, Furuno FCV-582L depth sounder, Furuno GP-32 GPS, Humminbird Helix 12 CHIRP GPS G2N side imaging/plotter, marine VHF radio, EPIRB