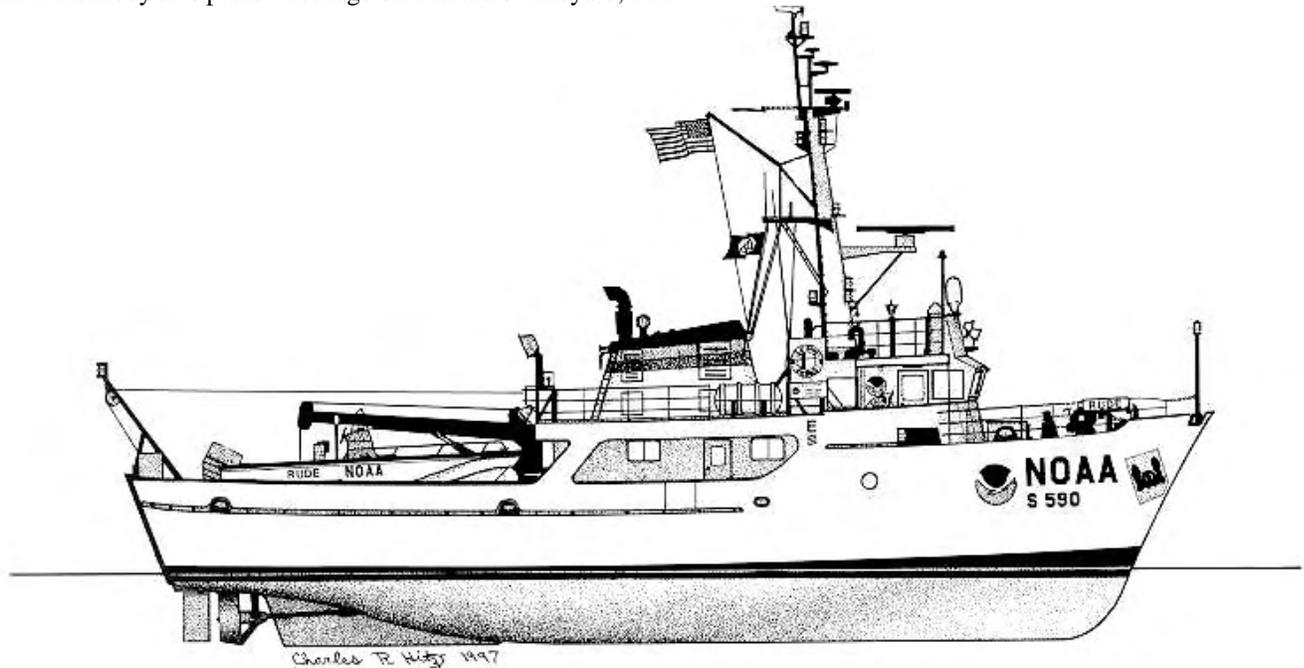


RUDE

NOAA Ship RUDE (pronounced "Rudy") performs inshore hydrographic surveys along the northeast coast in support of NOAA's nautical charting mission, specializing in the location and accurate positioning of submerged hazards to navigation. **RUDE** is named for Captain Gilbert T. Rude.

Aside from hydrographic surveying, **RUDE** is called upon to assist the U.S. Coast Guard and Navy in search, rescue, and recovery operations. **RUDE** located the TWA flight 800 wreckage off of Moriches, NY in 1996, and more recently, located John F. Kennedy Jr.'s plane wreckage off Martha's Vineyard, MA.



Line Drawing by Bob Hitz

Design

- Designer: Maritime Administration
- Builder: Jacobson Shipyard, Oyster Bay, New York
- Launched: August 1966
- Delivered: December 1966
- Commissioned: March 1967
- Hull Number: S590
- Call Letters: WTET
- Home Port: Norfolk, Virginia
- Length (LOA): 27.4 m (90 ft.)
- Breadth (moulded): 6.7 m (22 ft.)
- Draft, Maximum: 2.2 m (7.2 ft.)
- Hull: Welded Steel
- Displacement: 220 tons
- Gross Tonnage: 150 tons
- Net Tonnage: 42 tons

Speed & Endurance

- Cruising Speed: 10 knots
 - Range: 1,000 nmi
 - Endurance: 5 days
 - Endurance Constraint: Fuel and water
-

Complement

- Commissioned Officers: 4
 - Licensed Engineers: 1
 - Crew: 6
-

Food Service Seating Capacity

- General Mess: 7

Berthing Capacity

- Double Staterooms: 4
- Triple Staterooms: 1
- Total Bunks: 11

Medical Facilities

- Emergency and first aid equipment aboard, administered by trained vessel personnel.
-

Winches

- Side Scan Winch
 - Quantity: 1
 - Manufacturer: Sea-Mac Marine Products
 - Model: 301EMLW
 - Drive: Electric Motor
 - Line Speed: 130 ft./min. (Variable)
 - Maximum Pull: 250 lbs.
 - Drum Capacity: 500 ft.
-

Cranes and Booms

- Telescoping Boom
 - Quantity: 1
 - Manufacturer: Appleton
 - Boom Length: 27 ft.
 - Lifting Capacity: 7,500 lbs. (2,000 lbs. boom extended)
 - Location: Aft
-

Ground Tackle

- Bower Anchor
 - Quantity: 2
 - Type: Stockless
 - Weight (each): 500 lbs.
 - Anchor Chain
 - Quantity: 2
 - Size and Type: 3/4 in. stud link
 - Length: 50 fathoms (each)
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Launch

- Utility / Rescue Boat
 - Quantity: 1
 - Hull Type: Fiberglass Open Boat
 - Manufacturer: Boston Whaler
 - Length: 19 ft.
 - Propulsion: Gasoline Outboard
-

Engineering

General

- Cruising Speed: 10 knots
 - Range: 1,000 nmi.
 - Power: 850 SHP
 - Fuel Capacity: 3,900 gal.
 - Fuel Type: #2 Diesel
 - Fuel Consumption: 40 gal/hr
 - Endurance: 5 days
 - Endurance Constraint: Fuel and Water
-

Propulsion Plant

- Main Propulsion
 - Quantity: 2
 - Type: Geared Diesel
 - Manufacturer: Cummins
 - Rated Power (each): 425 HP
 - Propellers
 - Quantity: 2
 - Type: Fixed Pitch, Kort Nozzle
 - Manufacturer: Columbian
 - Size: 3.5 ft. diameter
 - Blades: 4
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Freshwater System

- Storage capacity: 3,800 gal.
 - Normal consumption: 500 gal/day
 - Evaporators
 - None
-

Pollution Control

- Sewage Waste Control
 - Type: II Marine Sanitation Device
 - Manufacturer: EES Corporation
 - Holding Capacity: none
 - Oily Waste Control
 - Type: Oily Water Separator
 - Manufacturer: Nelson Industries
 - Flow Rate: 2.5 gpm
-

Electrical System

- Ship Service Generators
 - Quantity: 2
 - Type: Diesel
 - Manufacturer: Detroit Diesel/Delco
 - Rated Power (each): 60 kW
 - Output Voltage: 230 VAC, 60 Hz
-

Communications

- Furuno MF DSC Terminal/Receiver
 - Furuno SSB Transceiver
 - Radio Teletype Capability (Narrow Band Direct Printing)
 - Weather Facsimile Receiver
 - Cellular Telephone
 - INMARSAT Standard C Radio Transceiver
 - Mini-M INMARSAT System
 - Portable VHF-FM transceivers
 - Emergency Position Indicator Radio Beacons (Class 1 and Mini-B)
 - Search and Rescue Transponders (X-Band Radar Frequency)
 - E-mail (RUDE's E-mail address is: Noaa.Ship.Rude@noaa.gov)
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Acoustics

- Odom Echotrac DF 3200 MKII HF/LF Depth Sounder
 - Edgetech Side Scan Sonar
 - Reson SEABAT 9003 Shallow Water Multi-Beam Sonar
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Navigation

- Raytheon M25 ARPA X-Band Radar
 - Raytheon R41 S-Band Radar
 - Differential Global Positioning System (DGPS) Receivers
 - LORAN-C Receiver
 - Gyrocompass
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Scientific Equipment

- CTD Profiler
 - Odom Digibar Pro sound velocity profiler
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