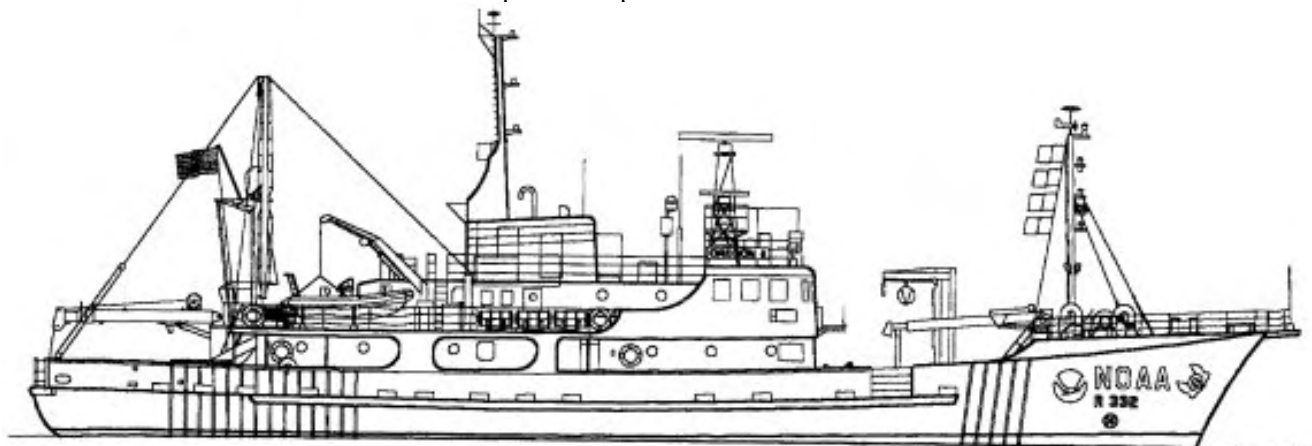


OREGON II

The **NOAA Ship OREGON II** conducts fishery and living marine resource research, supporting the research of the National Marine Fisheries Service (NMFS), Pascagoula Laboratory in Pascagoula, Mississippi. The ship collects fish and crustacean specimens using trawls and benthic longlines and fish larvae and eggs, and plankton using plankton nets and surface and midwater larval nets. The **OREGON II** normally operates in the Gulf of Mexico, the Atlantic Ocean, and the Caribbean Sea. NOAA Marine and Aviation Operations operate the vessel.



Design

- Designer: Robert H. Macy
- Builder: Ingalls Shipbuilding, Pascagoula, MS
- Launched: February 1967
- Delivered: August 1967
- Commissioned: March 17, 1977
- Hull Number: R 332
- Call Letters: WTDO
- Home Port: Pascagoula, Mississippi
- Length (LOA): 51.8 m (170 ft.)
- Breadth (moulded): 10.4 m (34 ft.)
- Draft, Maximum: 4.3 m (14.0 ft.)
- Hull: Welded Steel
- Displacement: 952 tons
- Gross Tonnage: 729 tons
- Net Tonnage: 228 tons

Speed & Endurance

- Cruising Speed: 10 knots
- Range: 7,810 nmi
- Endurance: 33 days
- Endurance Constraint: Stability

Complement

- Commissioned Officers: 3
 - Licensed Deck Officers: 1
 - Licensed Engineers: 3
 - Crew: 10
 - Scientists: 13 (Max)
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Food Service Seating

- General mess: 12

Berthing

- Single staterooms: 3
- Double staterooms: 14
- Total bunks: 31

Medical Facilities

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

Scientific Laboratory Facilities

- Wet Oceanographic Lab: 275 sq. ft.
- Instrumentation Lab: 75 sq. ft.
- Specimen Lab: 100 sq. ft.
- Hydrographic Lab: 210 sq. ft.

Winches

- Seine / Trawl Winch
 - Quantity: 1
 - Manufacturer: Marco
 - Drive: Hydraulic
 - Line Speed: 180 ft/min
 - Maximum Pull: 30,000 lbs
 - Drum Capacity: 1,200 ft. of 9/16" wire rope
 - Hydrographic Winch
 - Quantity: 1
 - Manufacturer: Markey
 - Drive: Electric
 - Drum Capacity: 4,000 m of 0.322 in. EM cable
 - Self Contained MOCNESS Winch
 - Quantity: 1
 - Manufacturer: New England Trawler
 - Drive: Hydraulic
 - Line Speed: 100 ft/min
 - Maximum Pull: 3,000 lbs
 - Drum Capacity: 8,000 ft of 0.68 in. wire rope
 - Hydrographic Winch
 - Quantity: 1
 - Manufacturer: Marine Hydraulics
 - Drive: Hydraulic
 - Line Speed: 45 m/min
 - Maximum Pull: 3,000 lbs.
 - Drum Capacity: 3,700 m of 0.322 in. EM cable
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Cranes and Booms

- Telescoping, Rotating
 - Quantity: 1
 - Manufacturer: Aurora
 - Model: 30TSC3000
 - Boom Length: 30 ft.
 - Location: Foredeck, Centerline
 - Lifting Capacity: 3,000 lbs at maximum reach
 - Rotating
 - Quantity: 1
 - Manufacturer: Morgan
 - Boom Length: 26 - 40 ft.
 - Location: Aft
 - Lifting Capacity: 6,000 lbs at 26 ft.
 - Constant Tension Rescue Boat Crane
 - Quantity: 1
 - Manufacturer: Allied Systems
 - Location: Starboard Quarter
 - Lifting Capacity: 6,000 lbs
- J-Frame
- Movable
 - Quantity: 1
 - Clearance over the side: 10 ft.
 - Location: Port Side, Forward
 - Lifting Capacity: 3,500 lbs.
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Ground Tackle

- Bower Anchor
 - Quantity: 2
 - Type: Stockless
 - Weight: 2,275 lbs.
 - Anchor Chain
 - Quantity: 2
 - Size and type: 1.25" stud link
 - Length: 105 fathoms
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Boats

- Utility / Rescue Boat
 - Quantity: 1
 - Type: RHIB
 - Length: 5 m
 - Manufacturer: Zodiac
 - Propulsion: Diesel
 - Utility Boat
 - Quantity: 1
 - Type: Inflatable
 - Length: 14 ft.
 - Manufacturer: Zodiac
 - Propulsion: 25 hp Evinrude Gasoline Outboard Motor
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Engineering

General

- Cruising Speed: 10 knots
- Range: 7,810 nmi
- Power: 1,800 SHP
- Fuel Capacity: 71,500 gallons
- Fuel Consumption: 78 gal/hr
- Fuel Type: #2 Diesel
- Endurance: 33 days
- Endurance Constraint: Stability

Propulsion Plant

- Main Propulsion
 - Type: Geared Diesel
 - Quantity: 2
 - Manufacturer: Caterpillar
 - Model: 3512 DITA
 - Rated Power (each): 900 hp
- Propeller
 - Type: Controllable Pitch
 - Quantity: 1
 - Manufacturer: Bird Johnson
 - Diameter: 6 ft.
 - Blades: 4
- Auxiliary Propulsion
 - Type: Bowthruster
 - Quantity: 1
 - Manufacturer: Hundested
 - Tunnel Diameter: 1 m
 - Rated Power: 250 hp

Freshwater System

- Storage capacity: 7,640 gal.
- Normal consumption: 1,000 gal./day
- Normal production: 1,000 gal./day
- Desalinator
 - Type: Reverse Osmosis
 - Quantity: 2
 - Manufacturer: Village Marine

Pollution Control

- Sewage Waste Control
 - Type: Aerobic Bacterial
 - Manufacturer: St. Louis Ship
 - Holding capacity: 1061 Gallons
- Oily Waste Control
 - Type: Oily water separator
 - Manufacturer: SRS
 - Flow rate: 4 gpm
 - Holding capacity: 1817 Gallons

Electrical System

- Ship Service Generators
 - Quantity: 2
 - Manufacturer: Caterpillar
 - Output Voltage: 450 VAC, 60 Hz, 3Ø
 - Power Rating (each): 246 kW
- Emergency Generator
 - Manufacturer: Kato
 - Output Voltage: 450 VAC, 60 Hz, 3Ø
 - Power Rating: 75 kW
- Electrical Service
 - 450 VAC, 60 Hz, 3Ø
 - 120 VAC, 60 Hz, 1Ø
 - Power isolation protection for scientific equipment.

Communications

- VHF-FM Marine Band Transceivers
- HF Marine Band Transceivers
- HF Alarm Watch Radio Receiver (2182 kHz)
- INMARSAT Standard B Radio Transceiver
- Skycell Satellite Transceiver
- Radio Teletype Capability
- NAVTEX Receiver
- Cellular Telephone
- E-mail (OREGON II's E-mail address is: Noaa.Ship.Oregon@noaa.gov)
- Emergency Position Indicator Radio Beacons (Class 1 and Mini-B)
- Search and Rescue Transponders (X-Band Radar Frequency)
- KVH Satellite Television

Acoustics

- Shallow Water Echo Sounder
- Vertical Fish Finder
- Acoustic Doppler Current Profiler (ADCP)
- Simrad EK500 High Resolution Scientific Sounder

Navigation

- X-Band and S-Band Radars
- Differential Global Positioning System (DGPS) Receivers
- LORAN-C Receiver
- Gyrocompass
- Furuno Doppler Sonar (Current)
- Electronic Chart System

Scientific Equipment

- XBT System
 - Shipboard Environmental *Data* Acquisition System (SEAS)
 - Flow-through Thermosalinograph
 - CTD System
 - Scientific Computer System (SCS; 22 Oceanographic and Meteorological Sensors)
 - Fisheries Scientific Computer System (FSCS)
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