



## R/V Seaprobe



The R/V *Seaprobe* has been specially developed to address the unique needs of continental shelf geotechnical operations. The *Seaprobe* is permanently equipped with a full suite of drilling, sampling and in situ testing equipment. The vessel is designed to routinely work in water depths of up to 500 ft. and deeper with special anchoring considerations. The vessel is also equipped with a geotechnical laboratory for onboard testing of soil samples, analysis and report production. Most importantly, all equipment is permanently installed onboard.

The drilling system includes a Failing DMX drill rig, mud plant, bulk mud systems, ancillary drilling tools and seabed reaction frame. The seabed frame, 7.5 tons, is utilized for reaction force during the in situ testing operation. All drilling is carried out through a moonpool installed at midship.

### Capabilities:

- Soil Borings for Platform Design
- Jack-up Footing Penetration Studies
- In situ Geotechnical Testing
- Stratigraphic Coring
- Integrated Geophysical/Geotechnical Studies
- Pipeline Soil Investigations
- Dredgability and Burrow Source Studies
- Exploration Geochem Surveys
- Marine Environmental Baseline Studies
- Biological/Oceanographic Surveys



Austria  
Azerbaijan  
Belgium  
Bermuda  
Brazil  
Brunei Darussalam  
Cambodia  
Canada  
China  
Congo  
Denmark  
Egypt  
Equatorial Guinea  
France  
Gabon  
Germany  
Ghana  
Hong Kong  
India  
Indonesia  
Italy  
Japan  
Kazakhstan  
Kuwait  
Lebanon  
Libyan Arab Jamahiriya  
Luxembourg  
Macao  
Malaysia  
Mauritius  
Mexico  
Namibia  
Netherlands  
Netherlands Antilles  
New Zealand  
Nigeria  
Norway  
Oman  
Pakistan  
Poland  
Qatar  
Russian Federation  
Saudi Arabia  
Singapore  
South Africa  
Spain  
Switzerland  
Thailand  
Trinidad and Tobago  
United Arab Emirates  
United Kingdom  
United States  
Venezuela  
Viet Nam

[www.fugro.com](http://www.fugro.com)



# Technical Information

## Built:

Burton Shipyard Inc., 1974.  
Refitted as coring vessel  
by John Bludworth Marine Inc., 1990,  
Houston, Texas, USA.

## Classification:

ABS International Load Line Certificate  
Oceanographic Research Vessel

## Flag:

United States

## Callsign:

WCQ7072

## Dimensions:

Length, Overall : 190 feet  
Beam, Moulded : 40 feet  
Depth, Moulded : 18 feet  
Maximum Draft : 14 feet  
GRT : 296 tons

## Accommodations:

Officer : 1 x 1 Berth  
Ships Crew : 2 x 2, 1 x 4  
Passengers : 3 x 2, 1 x 4, 2 x 3  
Total : 25

All accommodations are fully air conditioned.

## Machinery:

Main Engines : (2) EMD 16-45-E5,  
: Total 3,900 bhp  
  
Bow Thruster : 500 hp, 12,500 lbs thrust  
  
Generators : (2) 99 kw, 60 cycle  
: 120/208 volts AC

## Speed and Fuel Consumption:

Maximum : 14 kts  
Cruising : 13 kts  
Consumption : Maximum 2,800 GPD  
: Economical 2,400 GPD

## Discharge Pumps:

Fuel Oil : 350 GPM @ 200 ft head  
Drill Water : 350 GPM @ 200 ft head  
Fresh Water : 350 GPM @ 200 ft head

## Deck Machinery/Equipment:

4-point Mooring System consist of 3 winches, 1.25 in  
galvanized steel core cables with 9,000 lb anchors and  
approx. 5,000 ft lines. Special anchoring arrangements  
available in depths greater than 500 ft.

Moonpool : 30-in diameter

## Capacities:

Deck Cargo : 450 tons  
Fuel Oil : 105,181 gallons  
Drill/Ballast Water : 105,939 gallons  
Potable Water : 46,438 gallons

## Electronics:

Satellite Navigator : (2) MX4400  
Radar Main : Raytheon R-72  
Radar Auxiliary : Raytheon R-73  
Echo Sounder : Raytheon R-2460W  
Auto Pilot : Robertson MK 11  
Gyro Compass : Navitec KR005-A  
Communications Systems : Inmarsat and Cellular  
SSB Radio : Stevens SEA222  
VHF Radio : (2) Standard and (1) Horizon  
PA System, TV, Video

## DRILLING SYSTEM DATA

Type of Rig : Failing DMX

Drillstring : 5 in. API w/4-1/2 in. Tool Joint  
Capacities : 1,200 feet (Steel)

Derrick Height : 40 feet  
Capacity : 25 tons

Mud Pumps : (2) Hydraulic Duplex  
: (1) Triplex

Stern A-Frame : 20 ton SWL

## Downhole Testing Systems

- Piezocone Penetrometer
- In situ Vane
- Seismic Cone Penetrometer
- Piezoprobe
- Temperature Probe