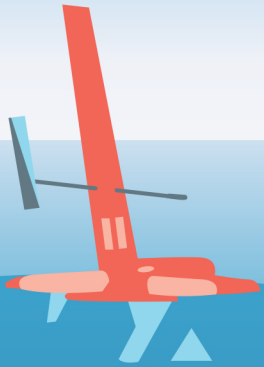
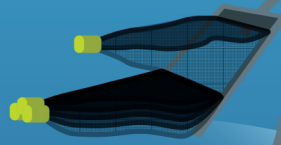


EXPLORING The Gulf



SAILDRONE
Unmanned surface water data collector

MOCNESS ▼
Net that collects plankton and water samples



ROV ▼



CTD ◀
Plunges to the ocean floor collecting data and water samples along the way



AUV ▲
Travels in a sawtooth pattern through the water column, logging data at various depths

BENTHIC LANDER ▼
Placed on the ocean bottom to take measurements



MULTICORER ▶
Can dive as deep as its cable allows; takes 8 seafloor samples at once



ALVIN ▶
Manned submersible, can explore extremely deep locations to collect samples, videos, and photographs



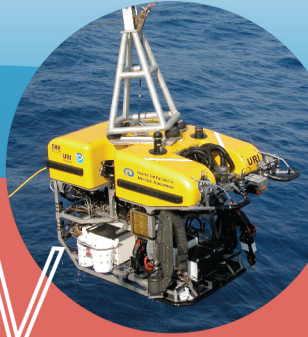
OBSERVATORIES AND SURVEYORS ▲
Provide data over long durations and large areas; can be monitored from land

SEA-GOING EQUIPMENT ▲
Deployed from research ships to give scientists a snapshot of an underwater site

ROV

Remotely Operated Vehicle

- Controlled by people on a ship
- Can explore ocean depths of 6500m (4 miles)
- Connects to ship by cables that transfer power, signals, video, data
- Enables scientists to safely explore for extended periods
- Takes high definition photos/videos and collects samples



1000m

2000m

3000m

4000m

5000m

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Gulf Ecosystem Research

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This research was made possible by a grant from BP/The Gulf of Mexico Research Initiative.