

EXPLORING Our Ocean



1000m
2000m
3000m
4000m
5000m

SAILDRONE

Unmanned surface water data collector

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

OBSERVATORIES AND SURVEYORS

Provide data over long durations and large areas; can be monitored from land

MOCNESS

Net that collects plankton and water samples

CTD

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

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

SEA-GOING EQUIPMENT

Deployed from research ships to give scientists a snapshot of an underwater site

ROV

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

