# EXPLORING Our Ocean

#### **SAILDRONE**

Unmanned surface water data collector



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

## BENTHIC LANDER ▼

Placed on the ocean bottom to take measurements

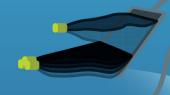


## OBSERVATORIES AND SURVEYORS

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

#### **MOCNESS V**

Net that collects plankton and water samples



ROV

RESEARCH SHIP



#### **◄** 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

## RO

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



ALVIN

ECGGGG

Gulf Ecosystem Research

ECOGIG.ORG

5000m

4000m

2000