



DIVING INTO OREGON'S RESERVES

Cristen Don, Marine Reserves Program Leader
House Natural Resources Committee – Apr 30, 2019



FIVE SITES



Marine Reserve



CAPE FALCON

CASCADE
HEAD

OTTER ROCK

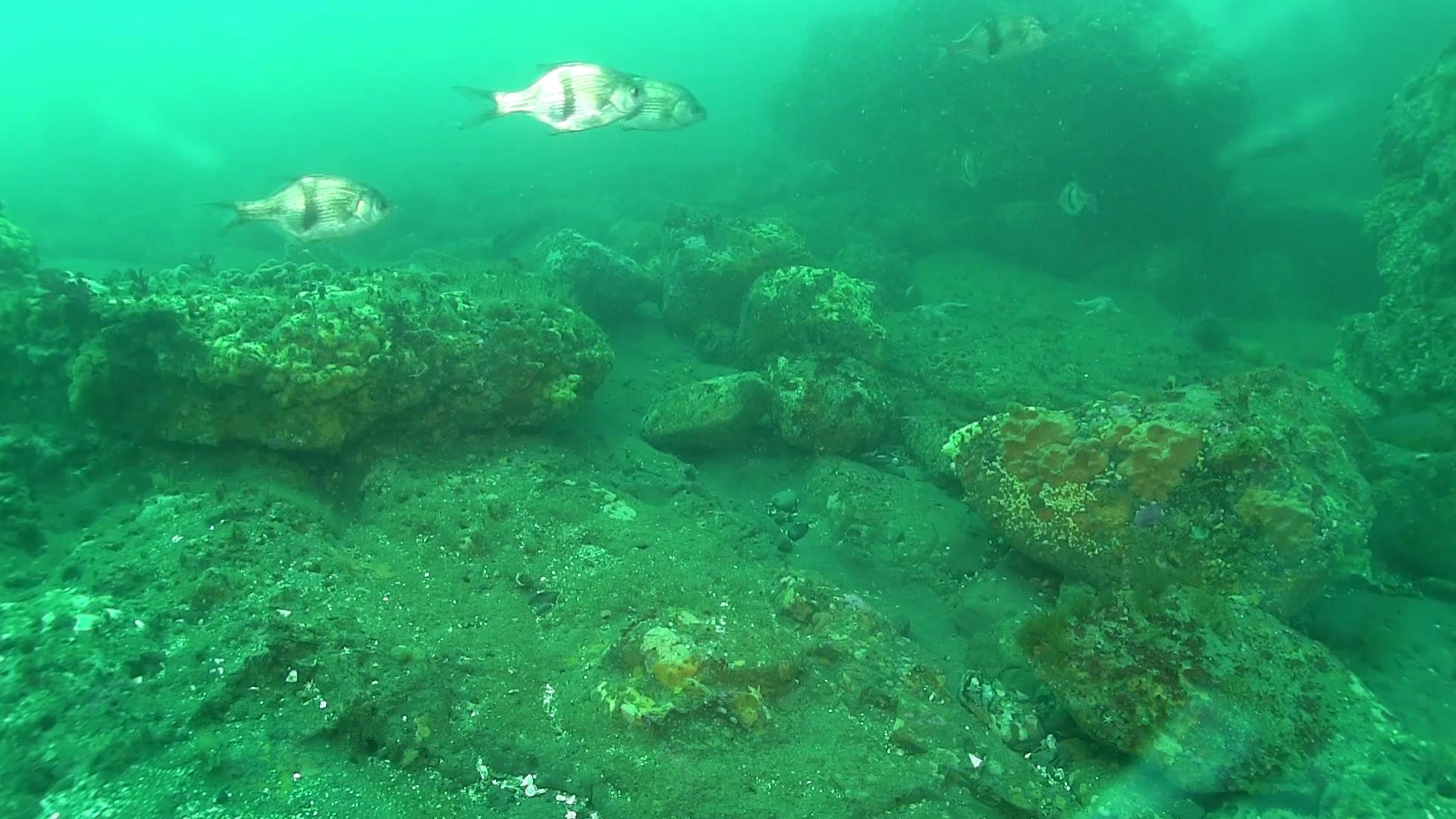
CAPE PERPETUA

REDFISH
ROCKS

- Marine Reserve
- Marine Protected Area (MPA)
- Seabird Protection Area

0 10 20 40 60 Miles







MANDATES

Executive Order 08-07

House Bill 3013

(2009)



Senate Bill 1510

(2012)

OPAC Policy Recommendations

OREGON'S GOALS



- **Conservation**

Conserve habitats and biodiversity

- **Research**

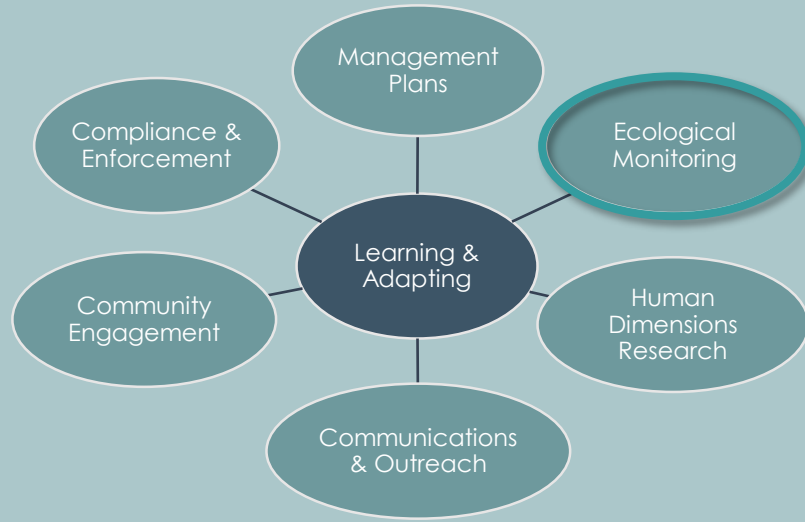
Serve as scientific reference sites to inform marine reserve and nearshore ocean management

- **Communities**

Avoid significant adverse impacts to ocean users and coastal communities

(OPAC 2008)

IMPLEMENTATION



We Are
Here



2010

2012



2014



2016



2018

2020

2022

2023



\$1.9 M / Biennium State General Funds

\$1.2 M 6 Staff + \$0.7 M Supplies & Services



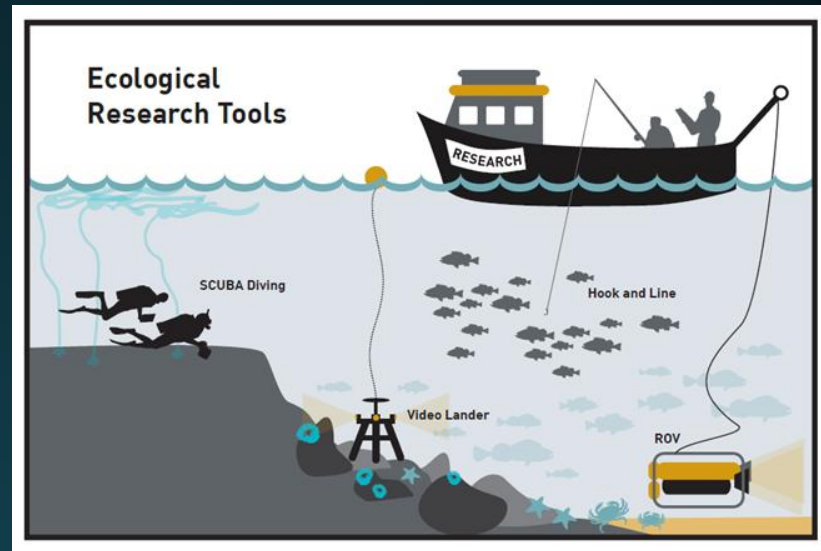
An underwater photograph showing a diver in the background, slightly out of focus, amidst a dense field of seaweed. The seaweed has large, yellowish-brown blades and dark, feathery fronds. The water is a clear, light blue-green color. The diver is wearing a black wetsuit and a mask, and is holding a long, thin object, possibly a measuring tape or a sampling tool.

ECOLOGICAL MONITORING

Tracking Ocean Changes in Oregon's Nearshore Waters



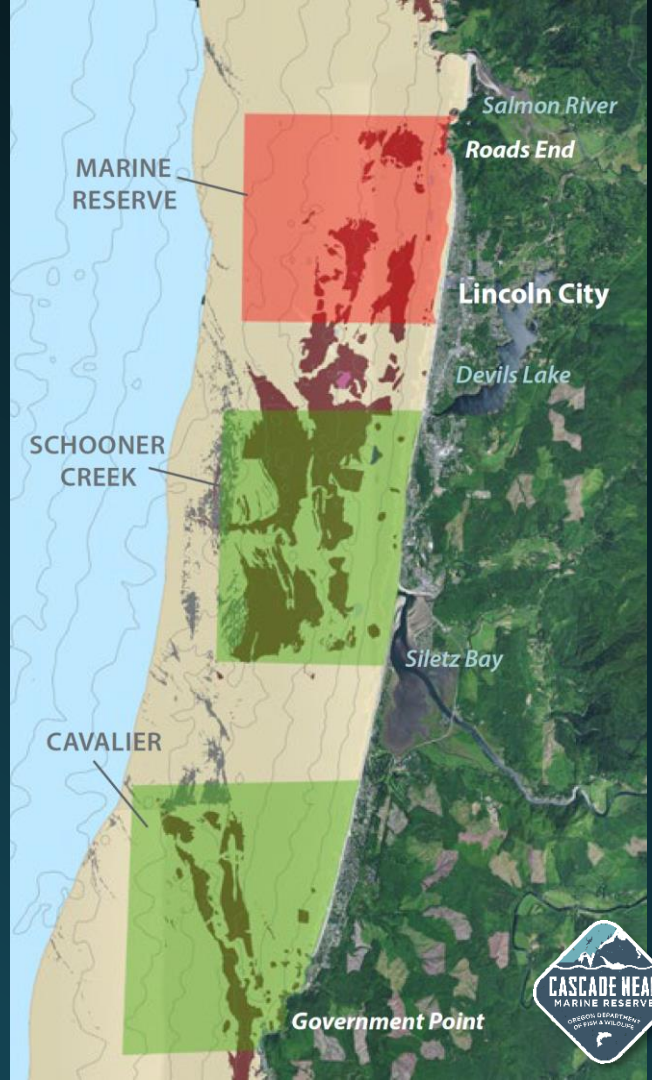
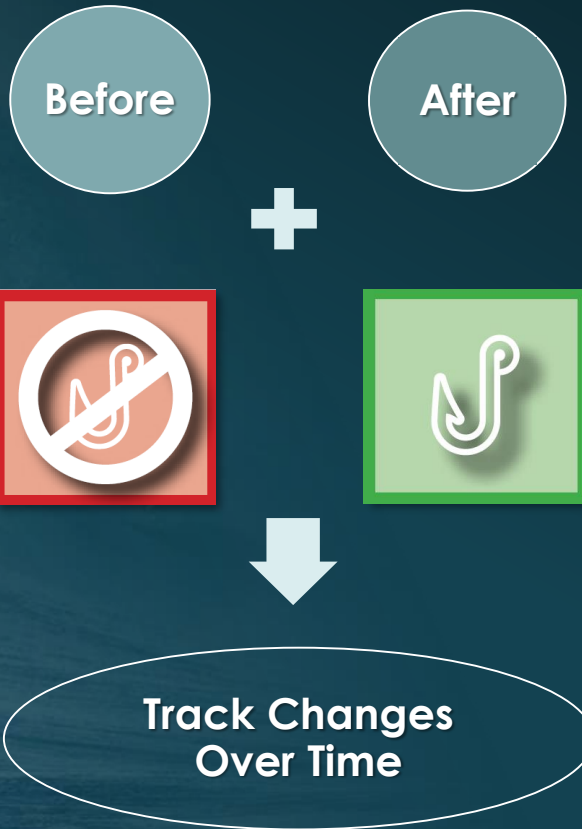
Understanding changes over time

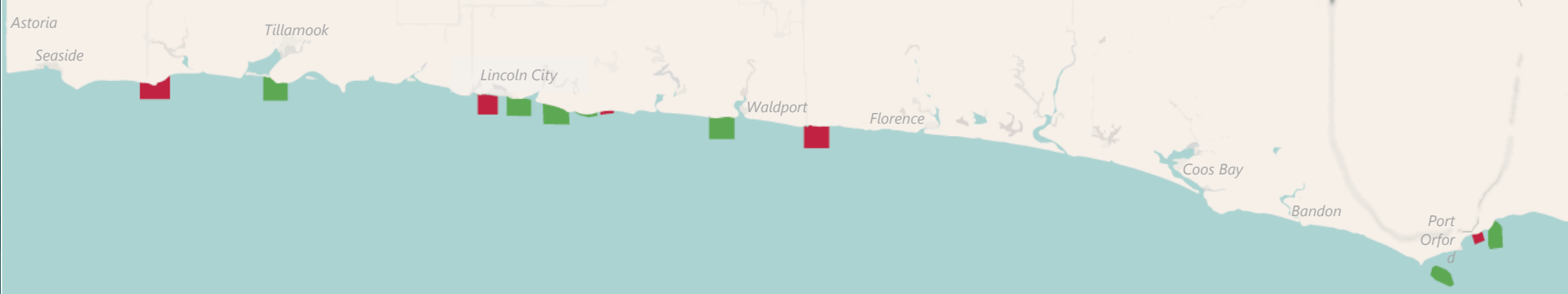


Monitoring Ecosystems



We Sample





13 Sampling Sites

5 Reserves

8 Comparison Areas



Hook and Line







OREGON DEPARTMENT OF FISH AND WILDLIFE
RESEARCH

NORWESTER
SAVIBALDI, OR









SCUBA

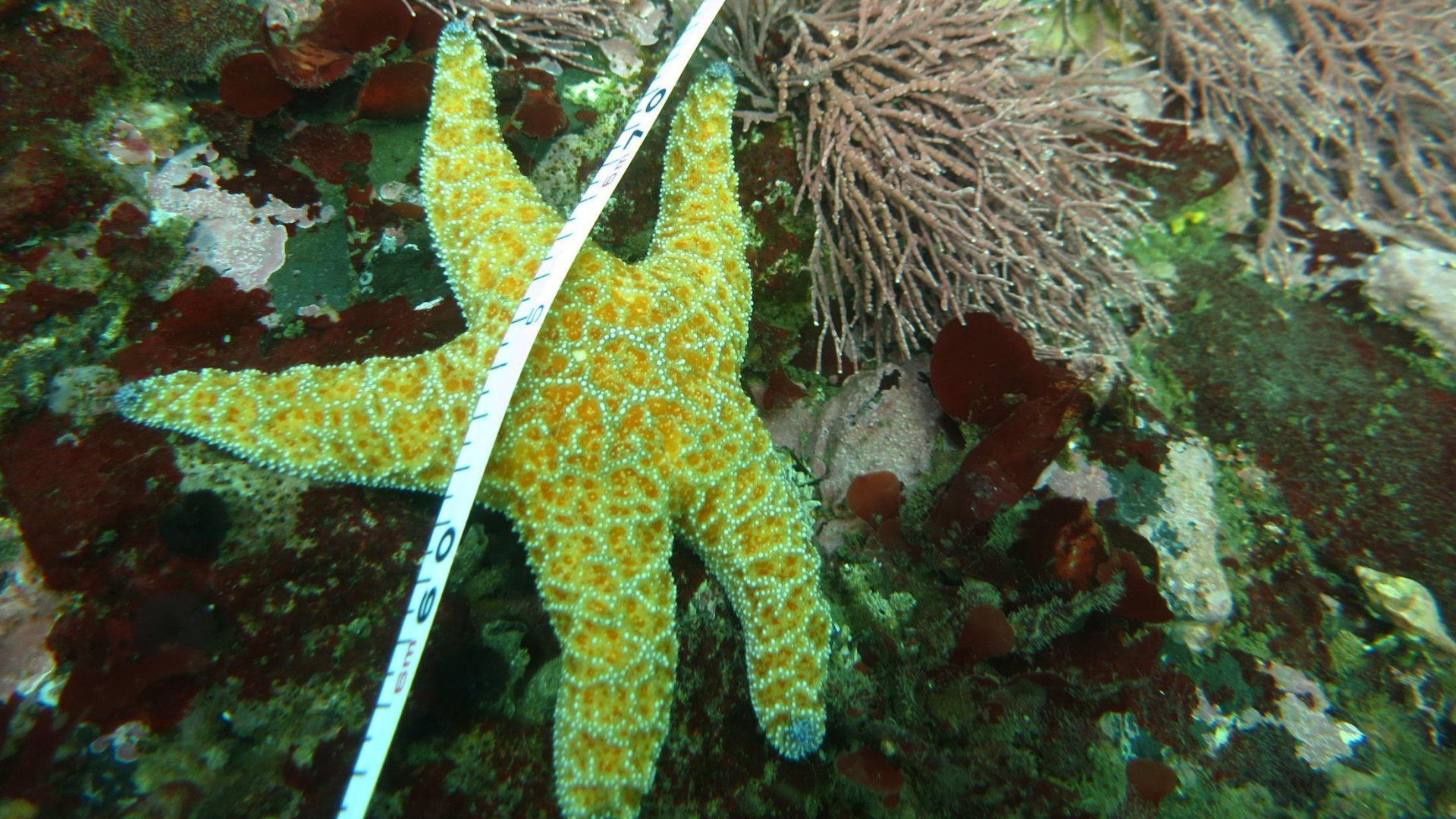








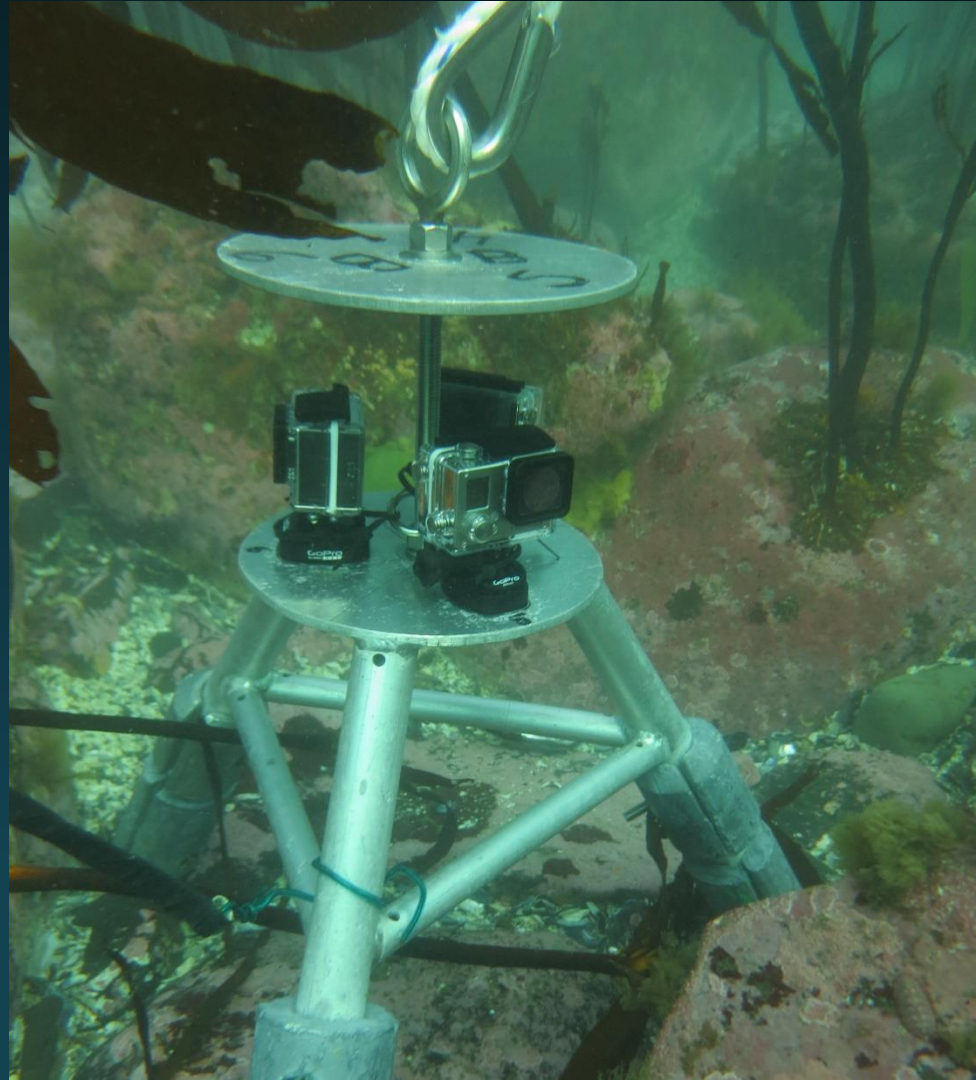




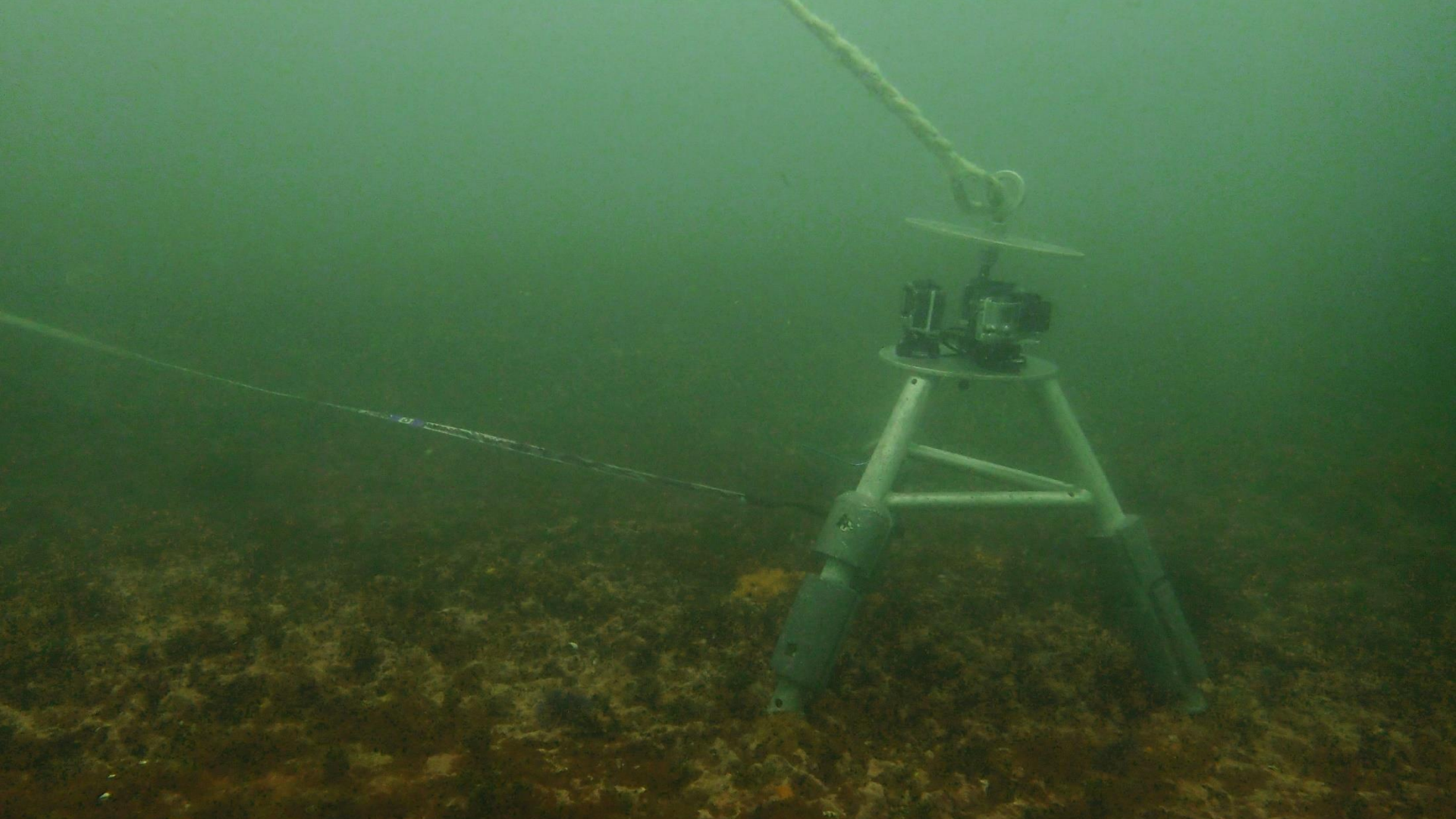




Video Lander









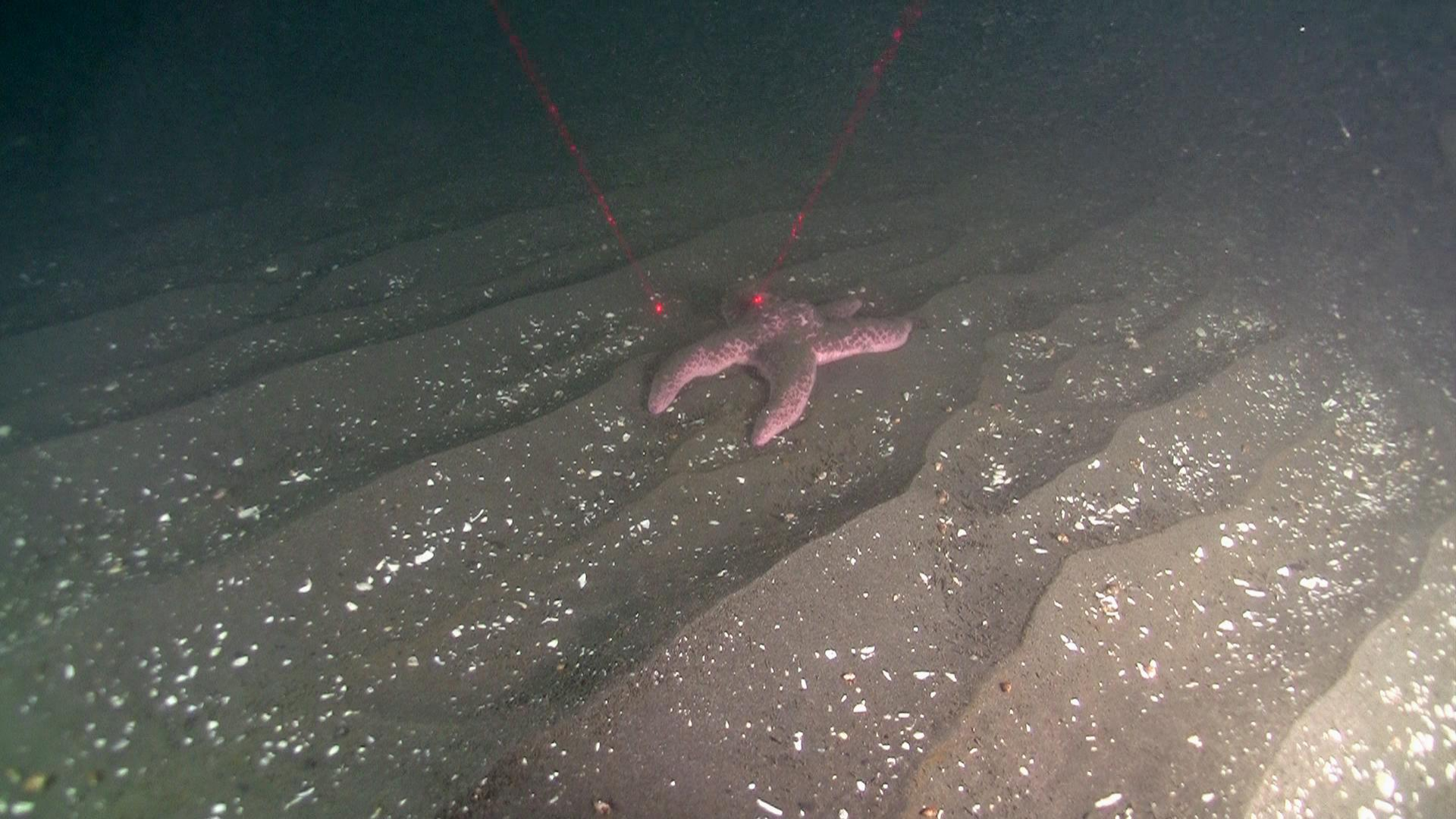
ROV

(Remotely Operated Vehicle)











Collaborations



Juvenile Fish
Surveys



Rocky Intertidal
Monitoring



Oceanography

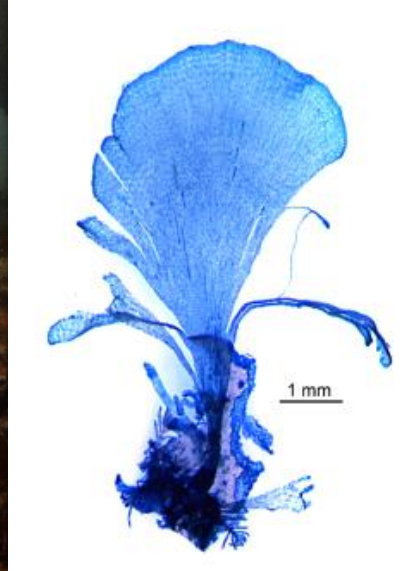


Attracting Additional Research

DISCOVERIES & CONTRIBUTIONS



New Seaweeds



Dr. Gayle Hansen

Fisheries Management

Improving Stock Assessments

We contributed data for Oregon from our:



Cabezon
2019 Assessment



Juvenile Fish
Surveys



Hook and Line
Surveys

Emerging Issues

Microplastics in Fish



Pilot Study:

20% of Rockfish we collected had microplastics in stomachs



37

Fishing Vessel Contracts

2010 - 2018



Port		No. Contracts
Garibaldi	\$44,605	3
Depoe Bay	\$119,702	7
Newport	\$181,419	9
Port Orford	\$188,429	14
Gold Beach	\$58,644	4
TOTAL	\$592,799	37

\$592,799

OregonMarineReserves.com

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 RULES, MAPS & COORDINATES

The Reserves

Reserves News

About the Science

Resource Library

BROWSE BY RESERVE

Cape Falcon
Cape Perpetua
Cascade Head
Otter Rock
Redfish Rocks

BROWSE BY CATEGORY

OREGON MARINE RESERVES NEWS



02.13.19

The 2018 FishOn! Newsletter

We caught and sampled over 2,000 fish during our hook-and-line surveys at Cape Perpetua and Cascade Head in 2018. Check out more highlights and photos from last year's surveys in our 2018 FishOn! Newsletter: [Read More](#)

Filed under: [Cape Perpetua](#), [Cascade Head](#), [Announcements](#), [Ecology](#)

