



Marine
Resources

TEN YEARS



DIVING INTO OREGON'S RESERVES

Lindsay Aylesworth, Oregon Department of Fish and Wildlife

FIVE SITES

% State Waters



Marine Reserve

3%



Marine Protected Area

6%



Manzanita



Lincoln City



Newport



Florence



Coos Bay

Port Orford

Brookings

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

OREGON'S GOALS

- **CONSERVATION**

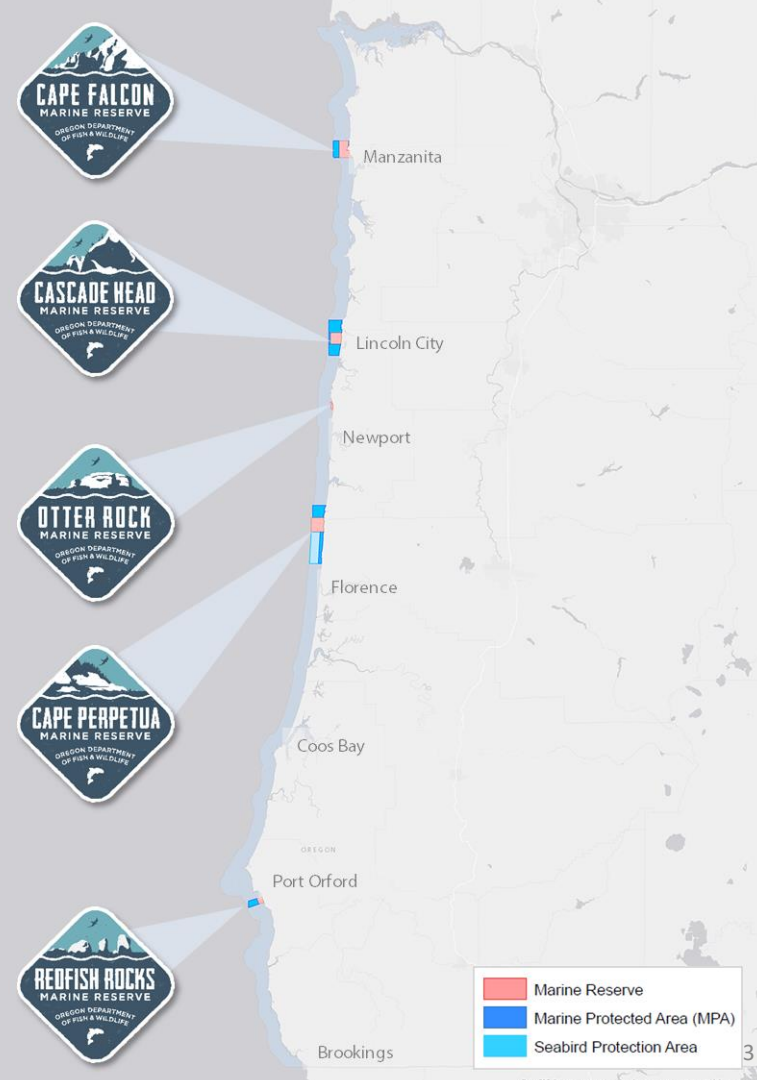
Conserve marine habitats and biodiversity

- **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



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Avoid significant adverse impacts to ocean users and coastal communities

2016



Manzanita

2014



Lincoln City

2012



Newport

Florence

2014



Coos Bay

2012



Port Orford

Brookings





MANDATES

Executive Order 08-07

House Bill 3013 (2009) • Senate Bill 1510 (2012)

OPAC Policy Recommendations



Our Team

- CONSERVATION

- RESEARCH

- COMMUNITIES

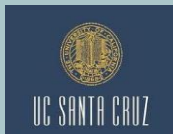


Administration
& Policy

Ecological
Monitoring

Human
Dimensions
Research

Outreach &
Engagement

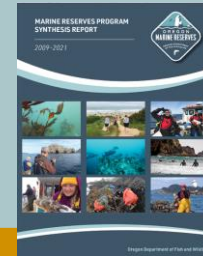


Senate Bill 1510:

2023 Program Check-in

ODFW Marine Reserve Program Establishment

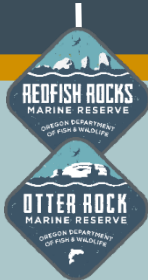
ODFW Synthesis Report



Final Report to Legislature

2010

2012



2014



2016



2018

2020

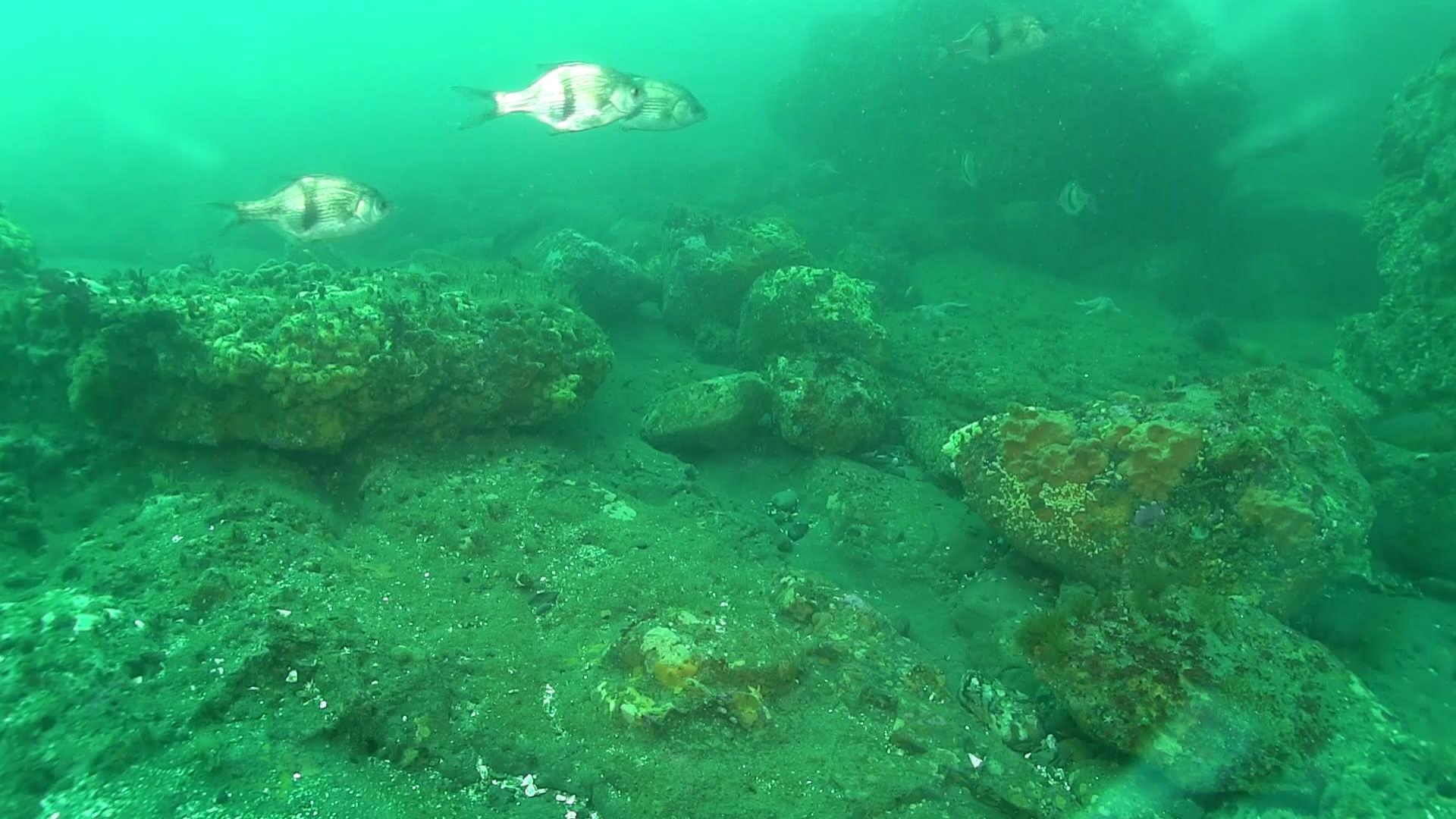
2022



University Assessment + Draft Report

2023

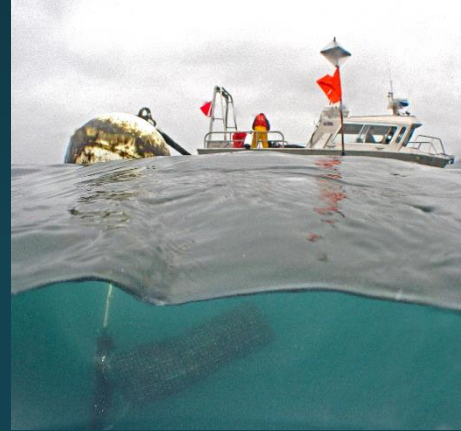


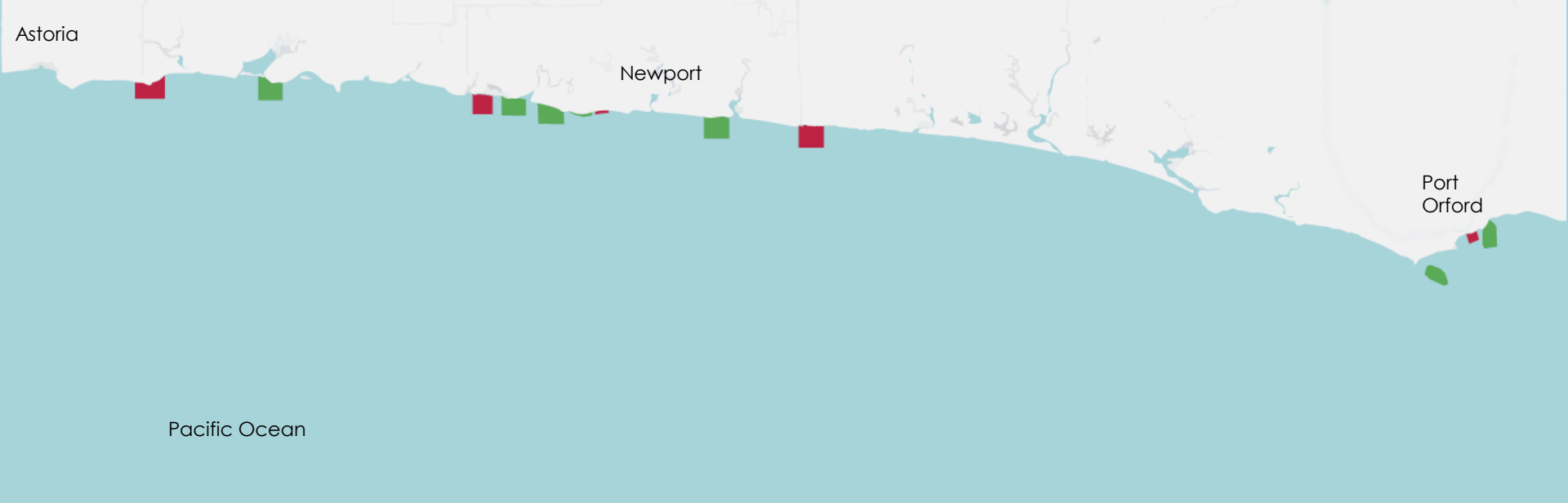


1. Nearshore ecosystem based monitoring program




Developed nearshore sampling tools



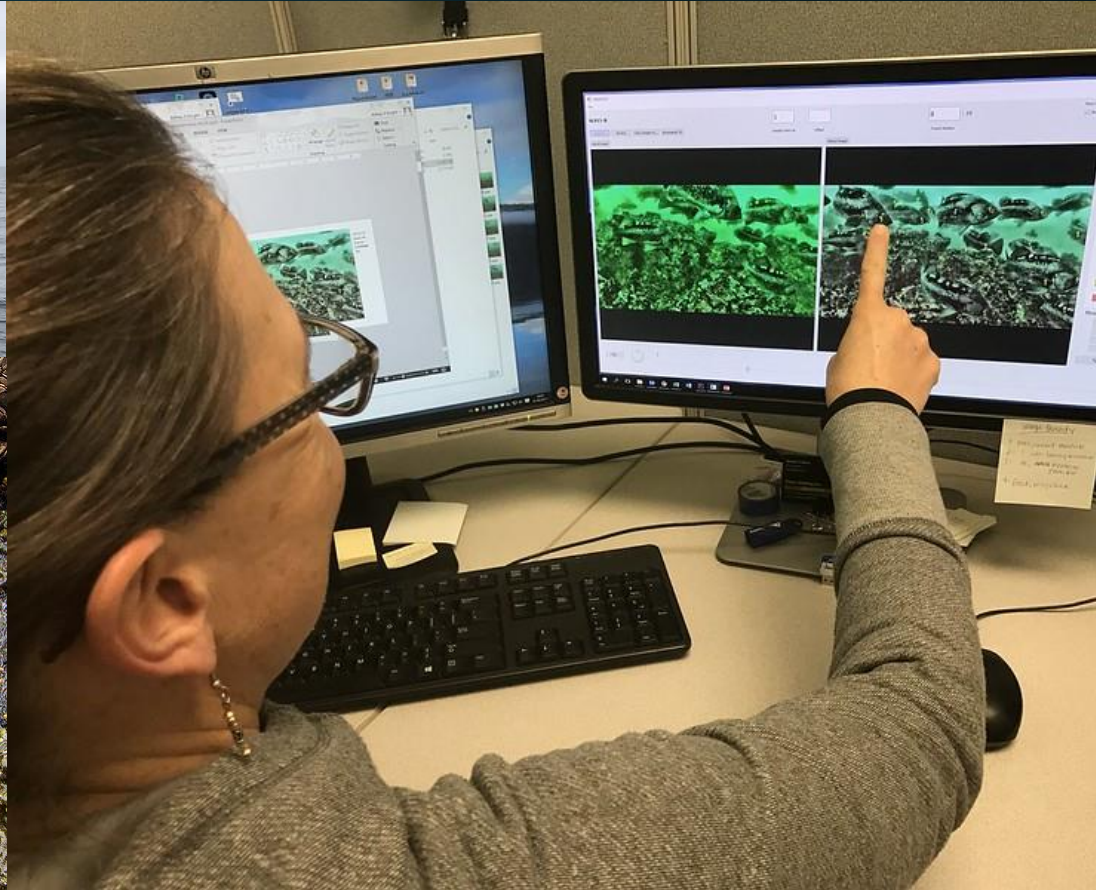


14 Sampling Sites

 5 Reserves

 9 Comparison Areas

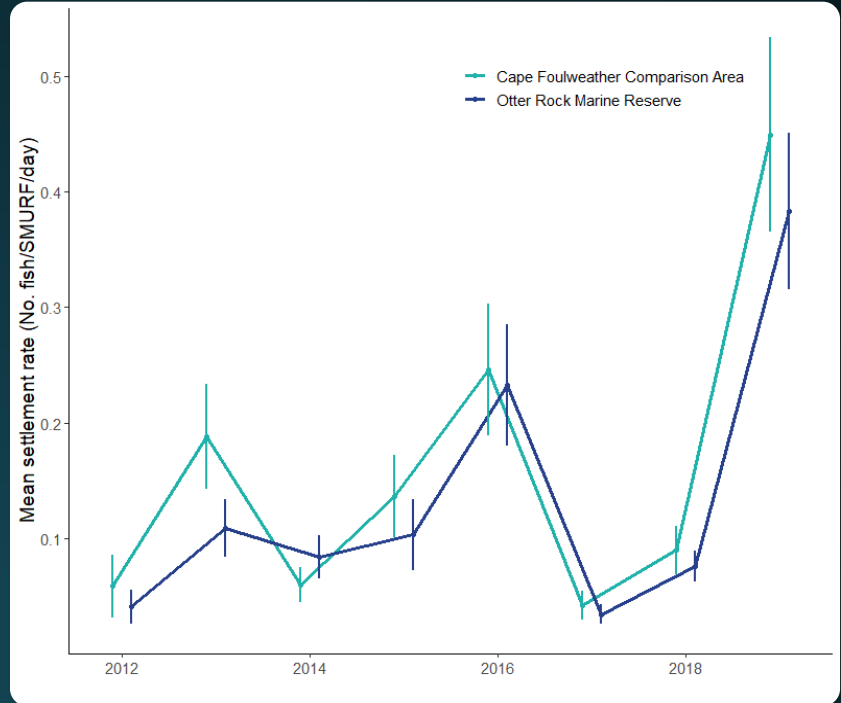
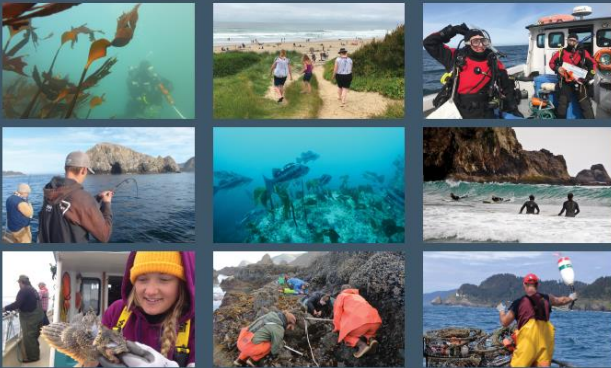
Robust datasets for tracking change



Similar Changes in Marine Reserve & Comparison Areas

MARINE RESERVES PROGRAM SYNTHESIS REPORT

2009-2021



2. Human Dimensions Program

Social
Economic
Cultural



Developed the Constructs to Understand Change

What to measure?

How do we measure it?



9 communities
of interest



10
communities
of place



Social & Economic Impacts Vary Across Scales & Sectors



How Communities Differ Linked to Impacts



3. Research That Matters



Fisheries Management

Informing Stock Assessments

We contributed data for Oregon from our:



Juvenile Fish
Surveys



Hook and Line
Surveys



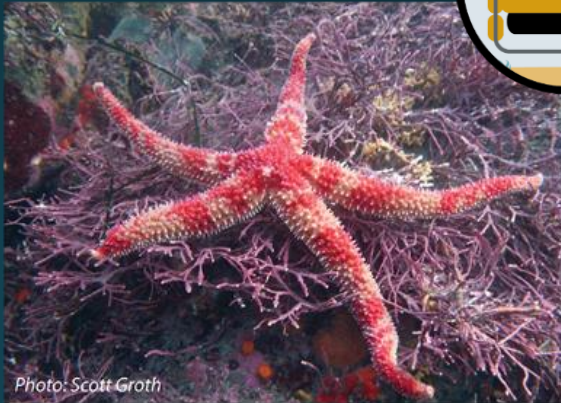
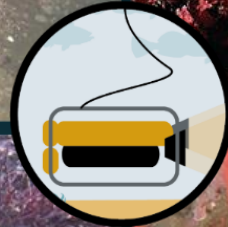
Cabezon
2019 Assessment

Emerging Issues

Sea Star Wasting Effects



We contributed data:
ESA listing of *Pycnopodia*



Documenting impacts on 9
subtidal sea star species



Ocean Acidification & Hypoxia



Monitoring Data



Knowledge & Awareness

4. Opportunities to Collaborate with Fishing Industry

Vessel contracts

Input on research & survey design

Jointly funded projects

Volunteer Anglers:
Hook and Line Surveys



5. Outreach & Engagement: From Conflict to Good Community Partners

37 partners engaged

\$750 K in fishing vessel contracts

Volunteer opportunities

Scholarships & community events

6 outreach channels developed



Community Groups & Partners Catalyze Engagement

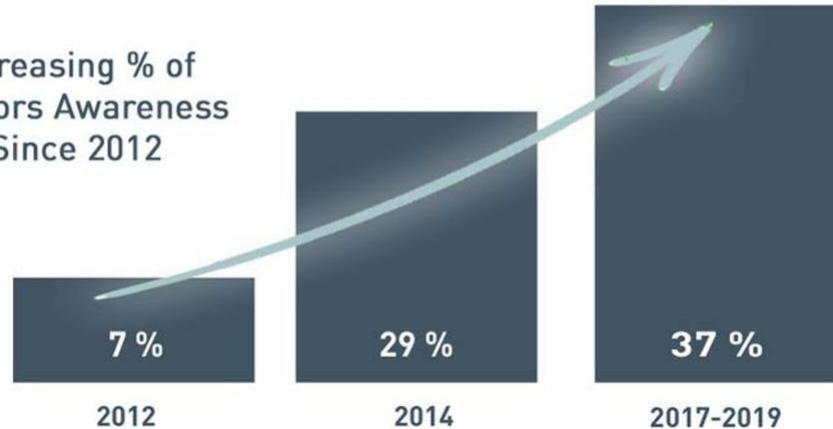


Awareness and Support for Marine Reserves are Increasing



CAPE PERPETUA MARINE RESERVE AWARENESS

Increasing % of
Visitors Awareness
Since 2012



Opposition is Decreasing ...

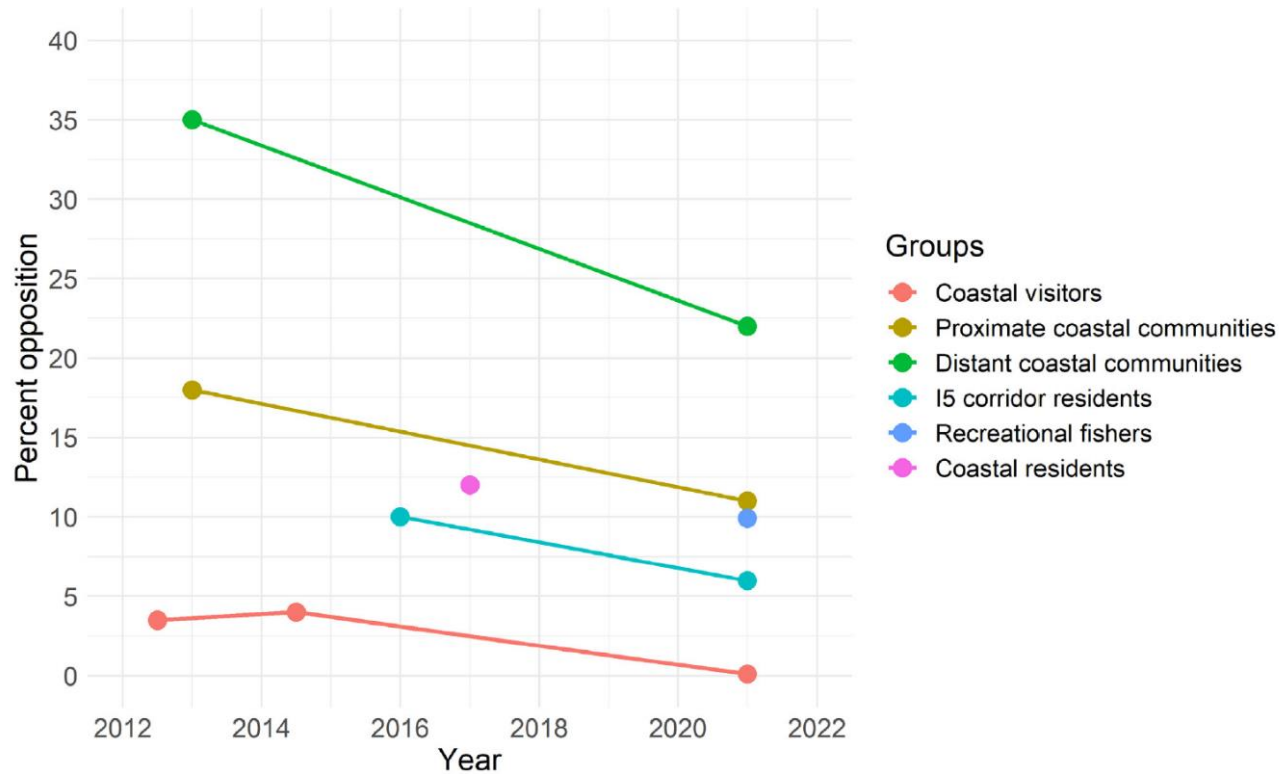


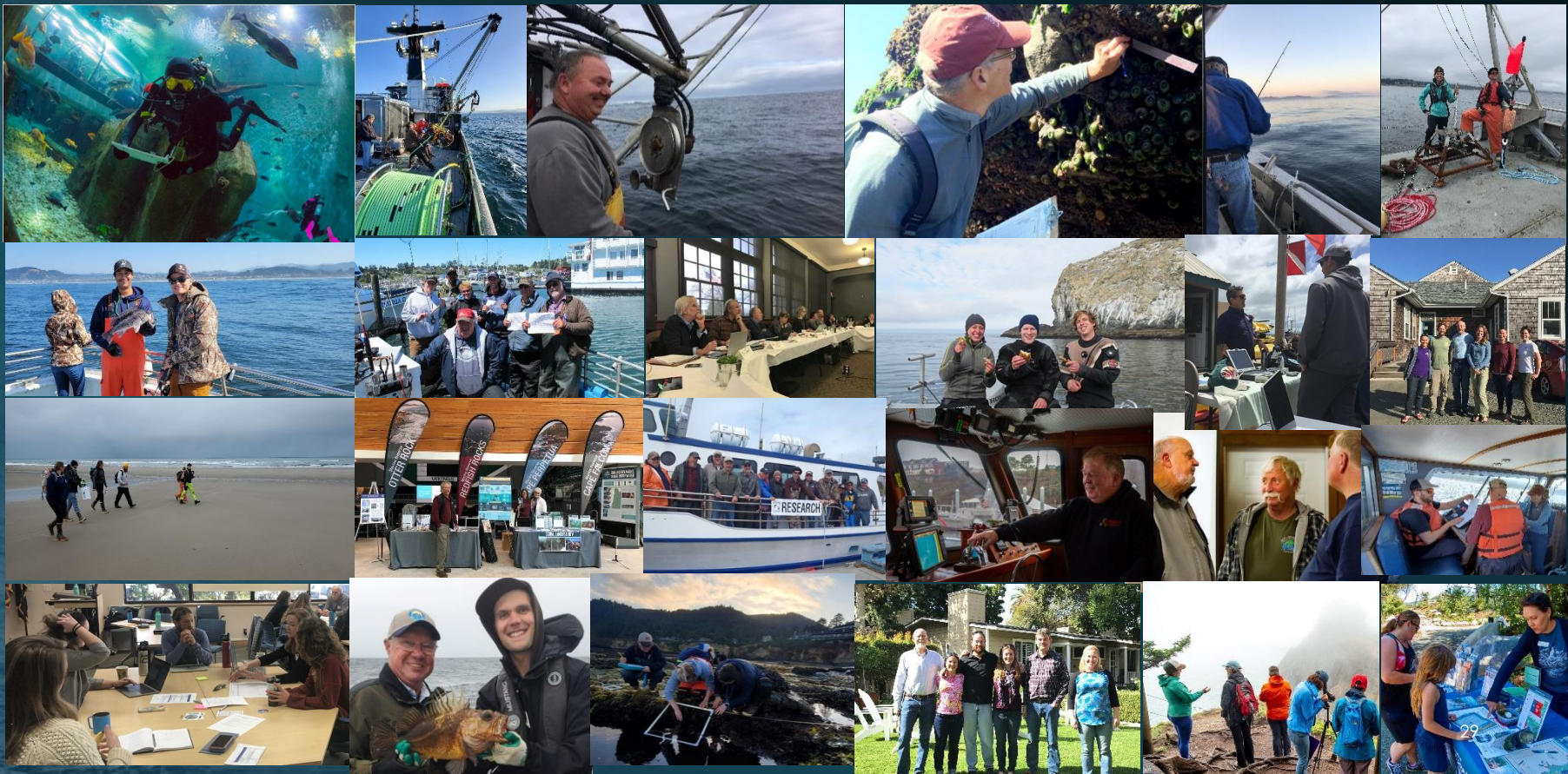
Figure 3. Percentage of survey respondents opposed to Oregon Marine Reserves.



It Takes a Village



Marine Resources





Thank You

MARINE RESERVES PROGRAM
SYNTHESIS REPORT

2009-2021



Oregon Department of Fish and Wildlife

OregonMarineReserves.com