

# The National Park Service Mission

*"... to conserve the scenery and the natural and historic objects and the wild life therein and to provide for the enjoyment of the same in such manner and by such means as will leave them unimpaired for the enjoyment of future generations."*

[National Park Service Organic Act, 16 U.S.C.1.](#)



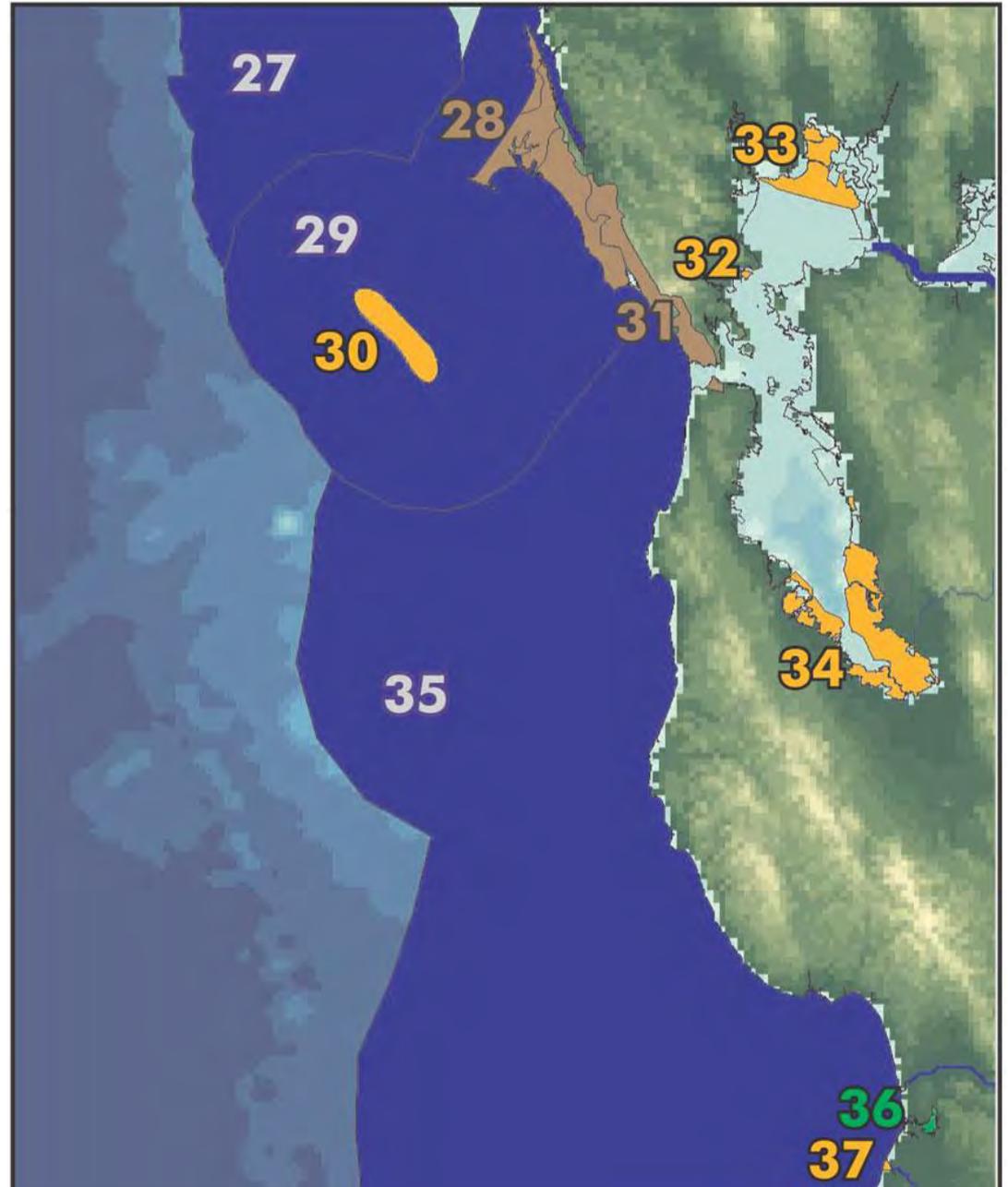
# National Park Service, Department of Interior 100<sup>th</sup> anniversary in 2016

- Yellowstone first National Park established in 1872
- Yosemite first park established in 1865 (150<sup>th</sup> anniv.)
- >400 National Park Service units
  - 74 Ocean Parks with 34 million acres (24 in PWR)
  - 5,100 miles of shoreline

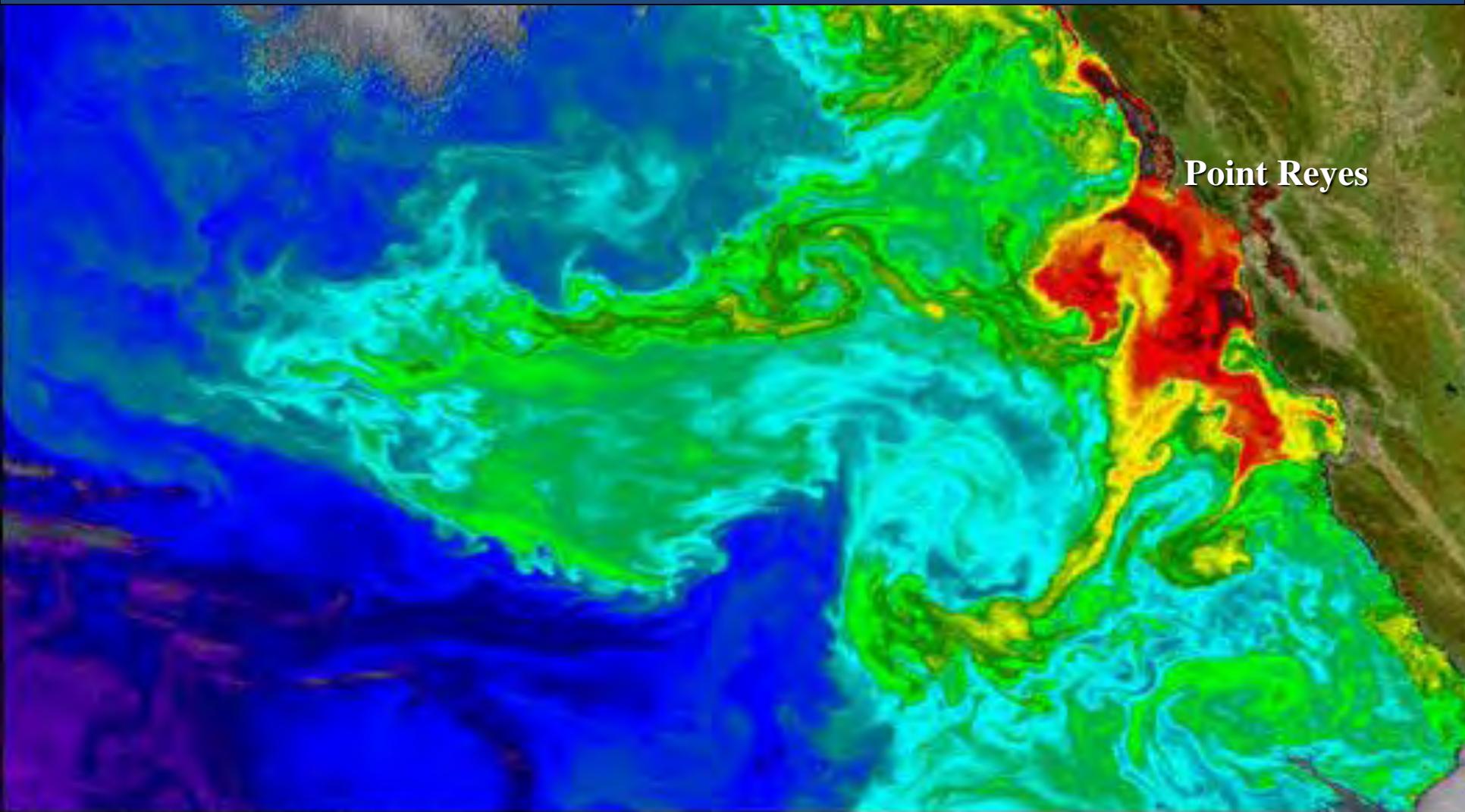


## Central California Network of Protected areas

- 27 Cordell Bank NMS
- 28 Point Reyes NS
- 29 Gulf of the Farallones
- 30 Farallones NWR
- 31 Golden Gate NRA
- 32 Marin Is. NWR
- 33 San Pablo Bay NWR
- 34 Don Edwards NWR
- 35 Monterey Bay NMS

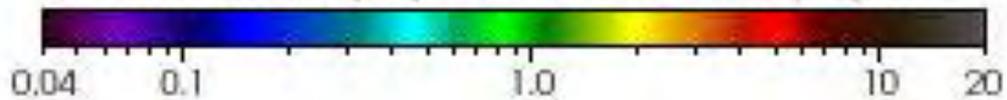


**Point Reyes National Seashore  
is in heart of an eastern boundary coastal upwelling ecosystem**



Chlorophyll Concentrations

**Ocean Chlorophyll Concentration (mg/m<sup>3</sup>)**



# Point Reyes National Seashore

- Established in 1962  
50th anniversary in 2012
- One hour's drive from  
San Francisco Bay Area  
with 8 million people
- 2.5 million visitors annually



# Point Reyes protects...

Over 71,000 acres,  
including 32,000 acres of  
congressionally designated  
Wilderness



# Point Reyes is...

the only national seashore on the west coast and includes the only marine Wilderness designated by Congress south of Alaska, Glacier Bay NP



# Point Reyes NS

100 miles of undeveloped coastline (sandy beaches, rocky cliffs, estuaries, and salt marshes)



# Point Reyes NS encompasses....

~15,000 acres of marine waters  
that extend  $\frac{1}{4}$  mile offshore



Photo Robert Campbell

Point Reyes includes ....

The San Andreas fault



Photo Robert Campbell

# Point Reyes has....

297 historic structures

> 490,000 historical and archeological pieces in  
park museum



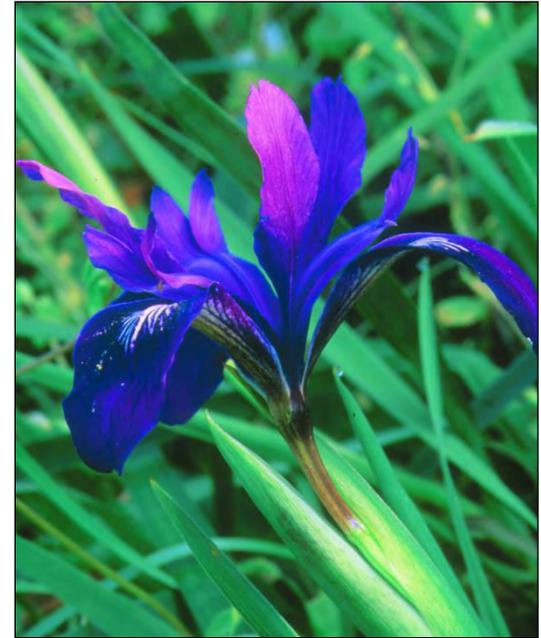
Point Reyes is also home to

24,000 acres of active ranch lands for dairy and beef cattle



Point Reyes is home to...

Over 900 species of flowering plants



Including several plants rare in coastal dunes...



# Point Reyes protects...

## 27 threatened and endangered species



# Point Reyes is home to...

**Over 490 species of birds**

**11 species of nesting seabirds**

**> 150 species of wintering water birds, shorebirds and seabirds**



# Point Reyes is home to...

**Over 28 species  
amphibians and reptiles**



Point Reyes is home to...

**Over 135 species of fish  
and more than 75%  
are marine**



# Point Reyes provides refuge for... **65 species of mammals**

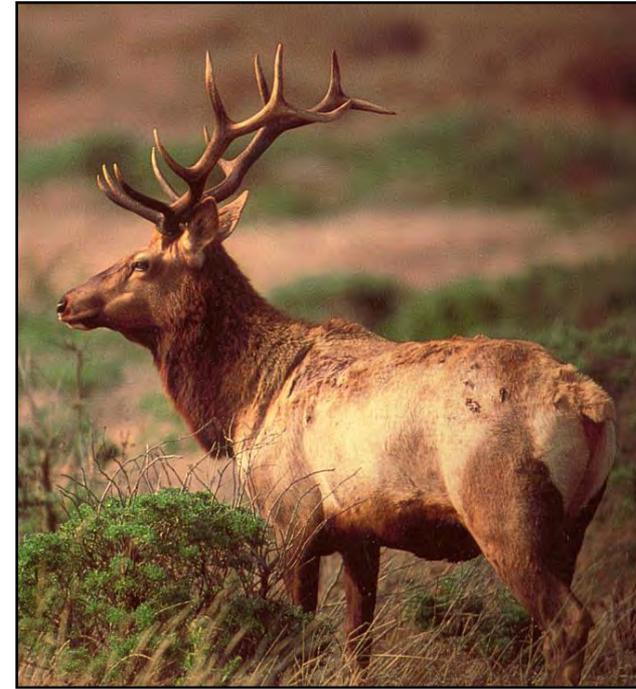
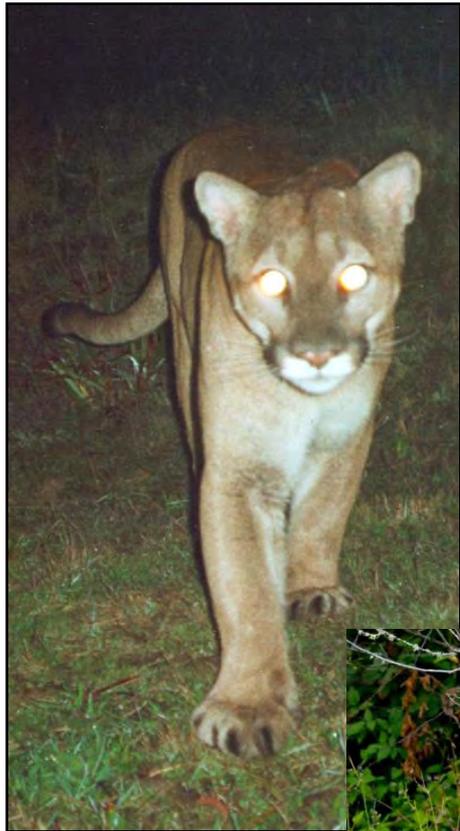


Photo Carlos Porrata



Photo Carlos Porrata

33 species  
of which are  
marine mammals



# Point Reyes is a haven for wildlife



- NPS uses science to inform park management to guide protection of species and ecosystems.
- You are part of that strategy as trained volunteers = citizen scientists

# Science Strategy at PRNS

To understand and protect through  
adaptive management



Sue Van Der Wal

## Inventory

Subtidal habitat

Species – biodiversity Inventory

Water quality

Coastal watershed assessment

## Monitor and Assess

Species/communities

Shoreline change

Water quality

## Manage through

Restoration

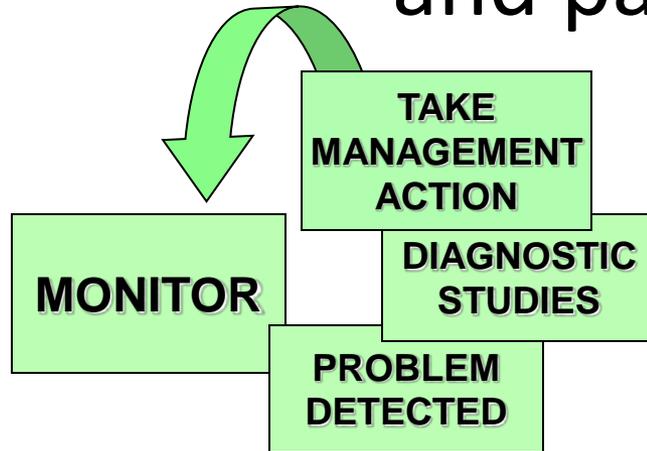
Protection

Education

# Summary



## Stewardship through adaptive management and partnership



Management actions =

Research and monitor

Protect habitat/species

Restore habitat/species

Education

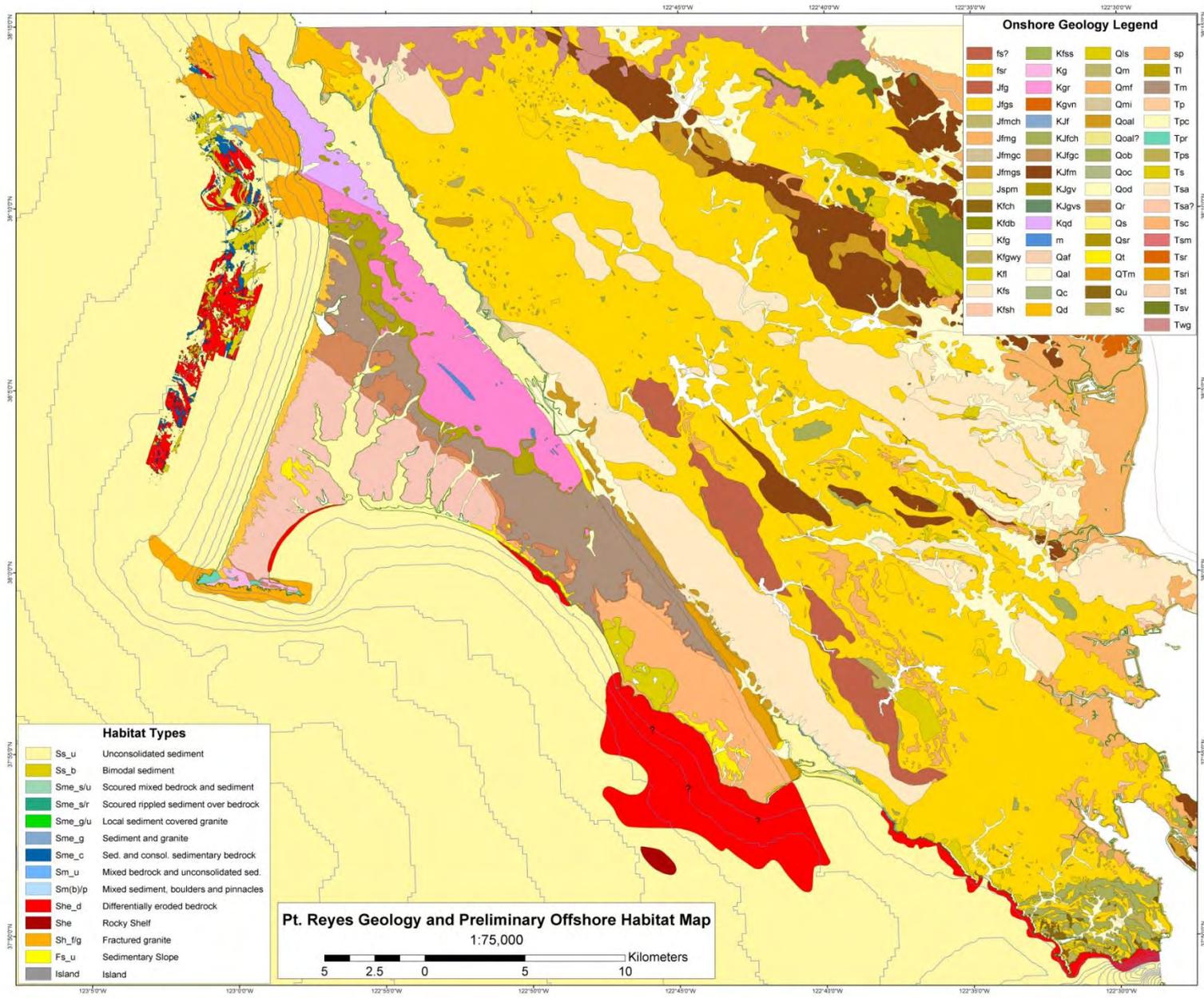
***Questions?***



# Point Reyes protects...



# Inventory - subtidal habitat mapping

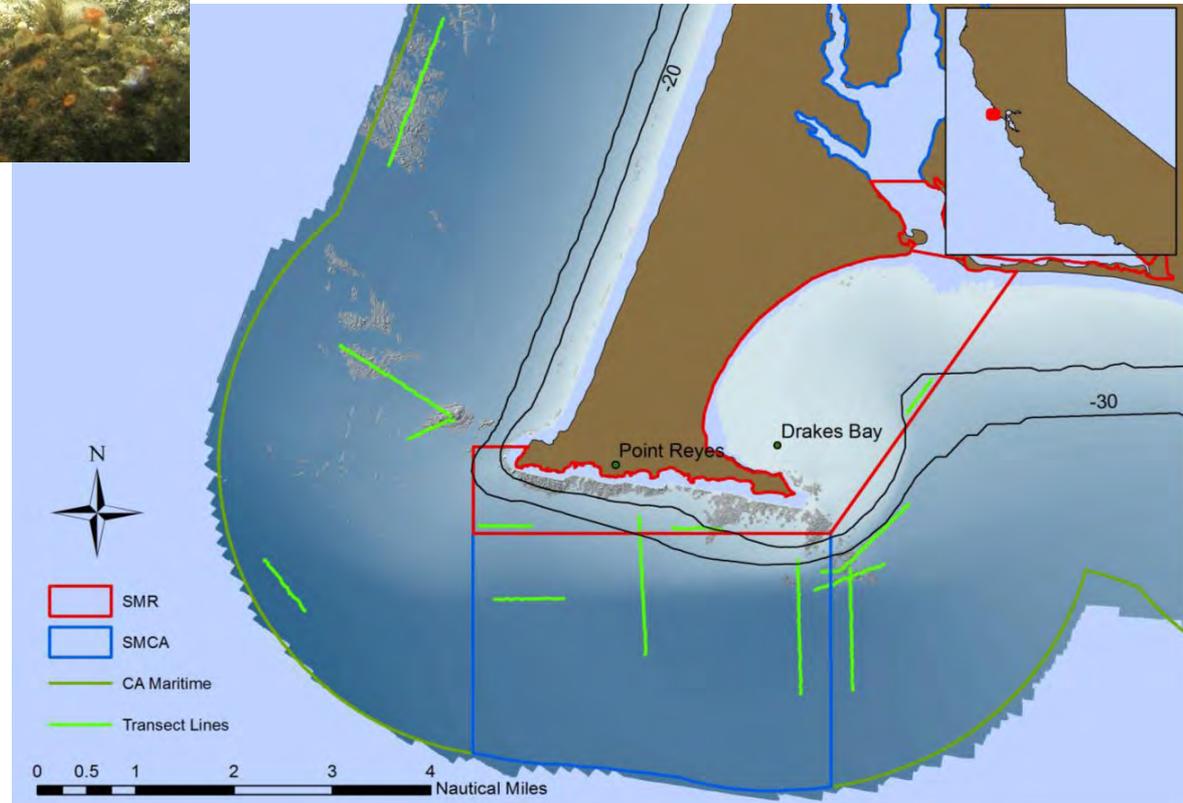


# Point Reyes NS includes...

Outstanding rocky intertidal  
and subtidal communities



# Inventory - subtidal species associated with habitats



Lindholm et al. 2013  
Report to NPS