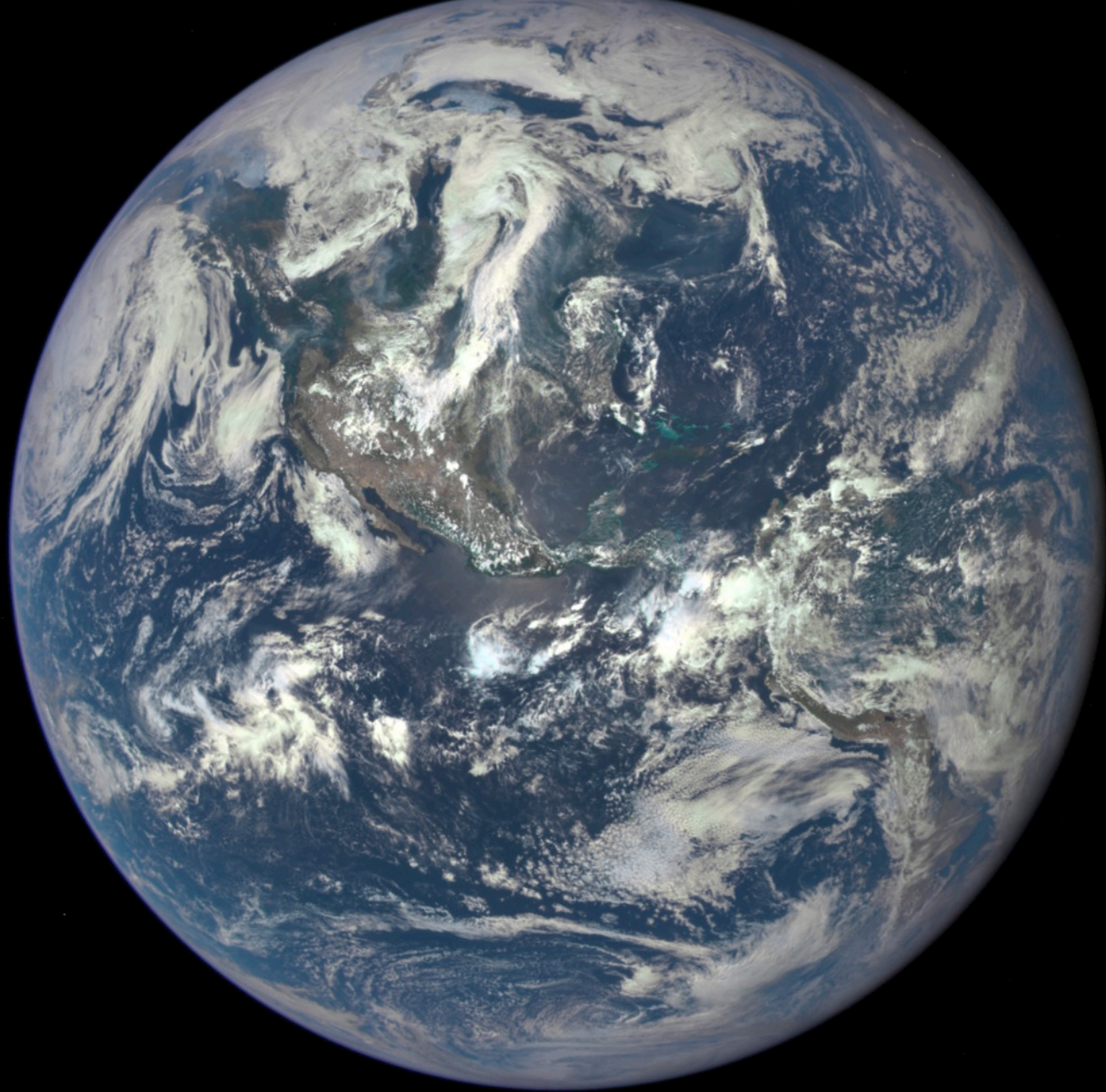




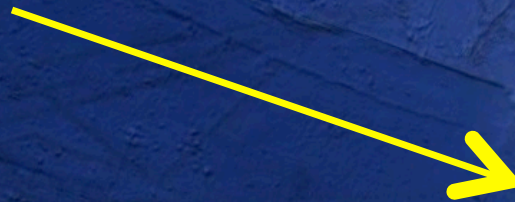
Why is having a National Marine Sanctuary in your ocean backyard good for you?

Jennifer Stock-Education and Outreach Coordinator

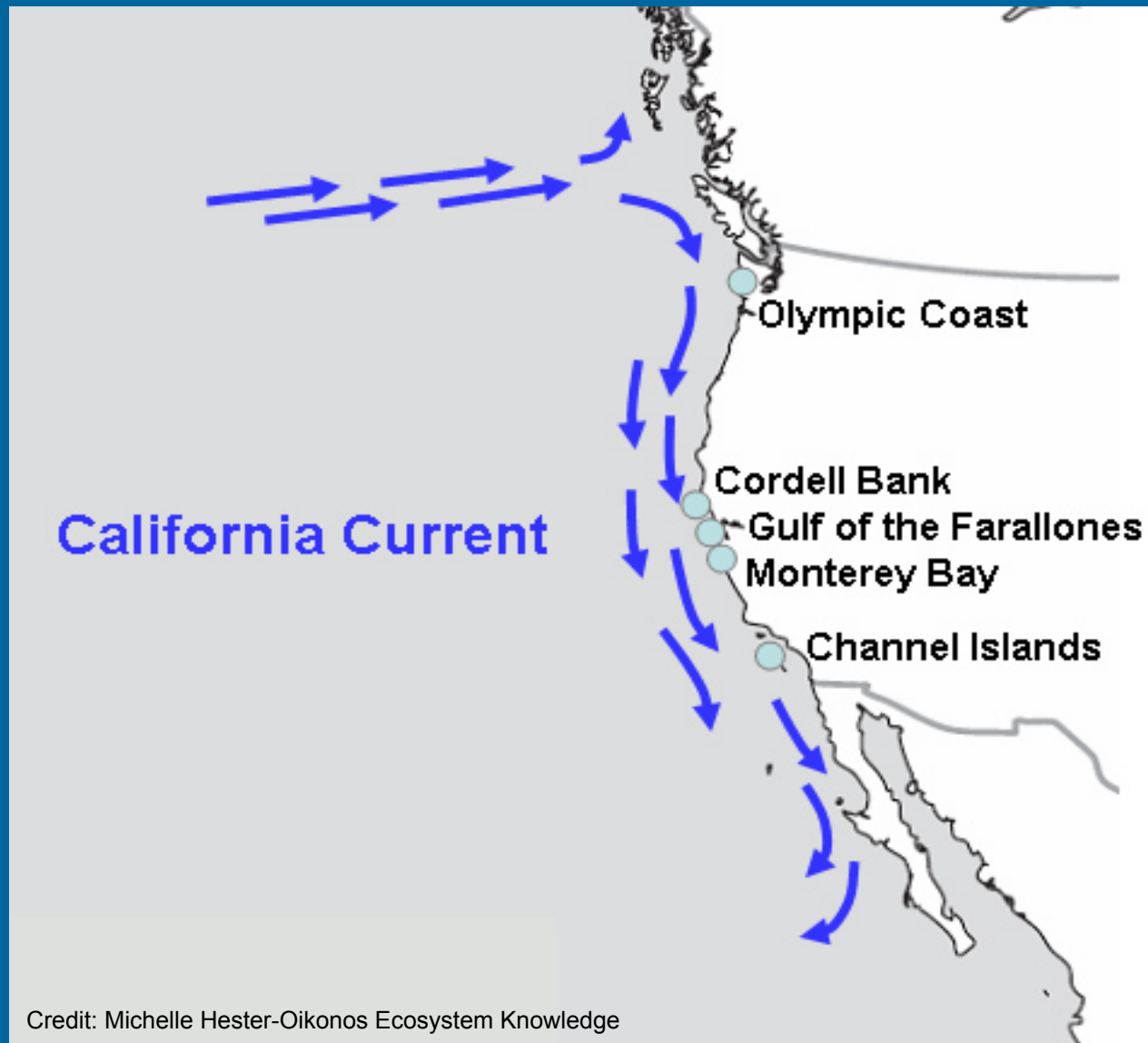
Cordell Bank National Marine Sanctuary



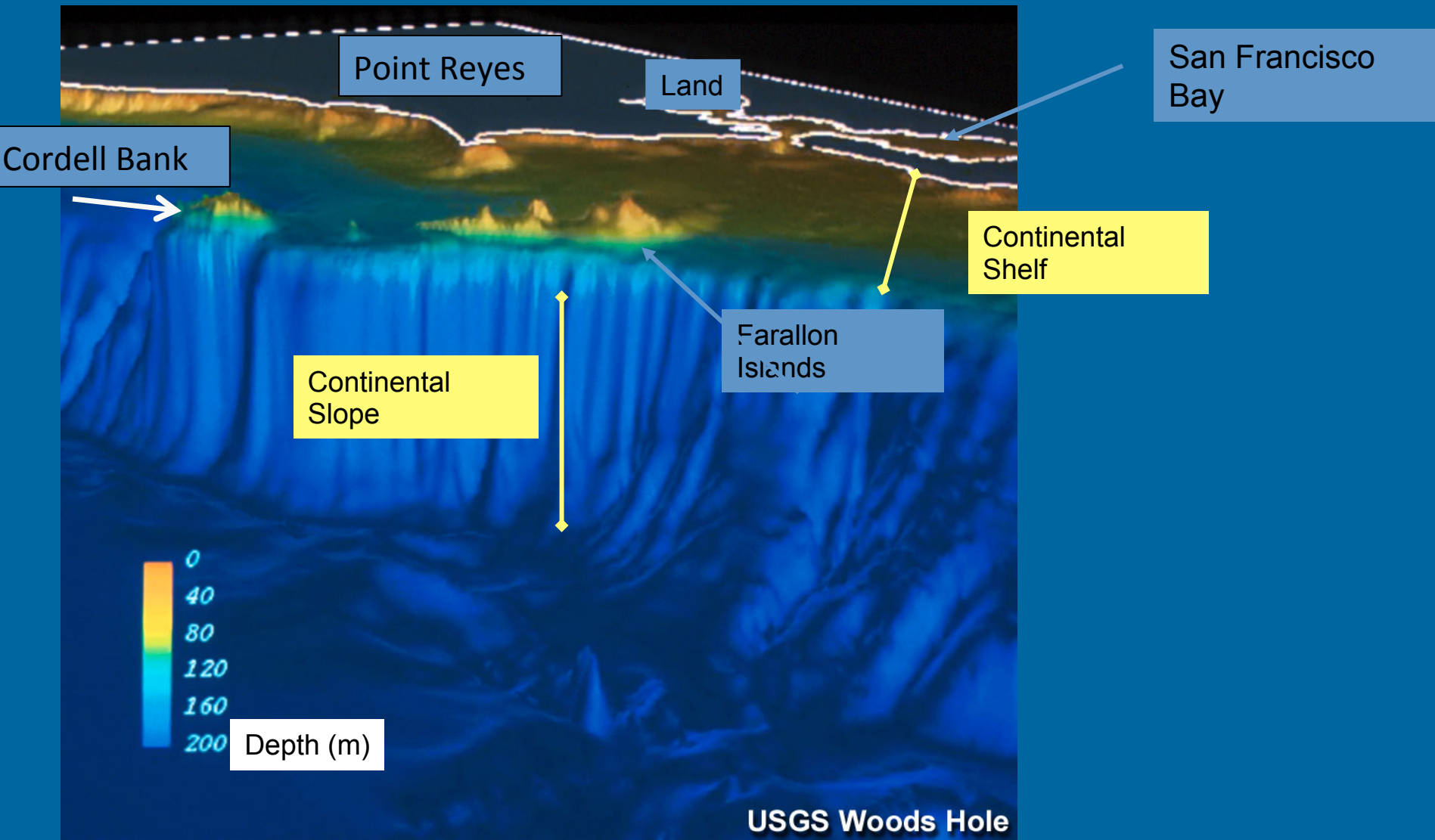
**Why is this part of the world
so special?**



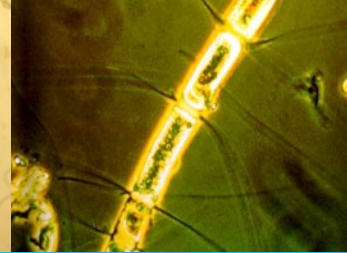
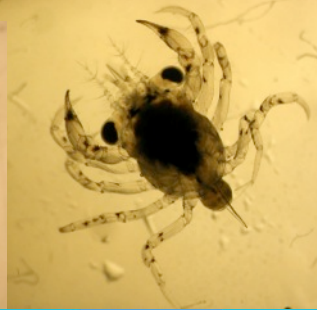
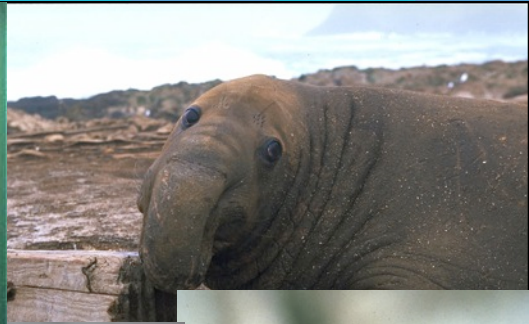
California Current



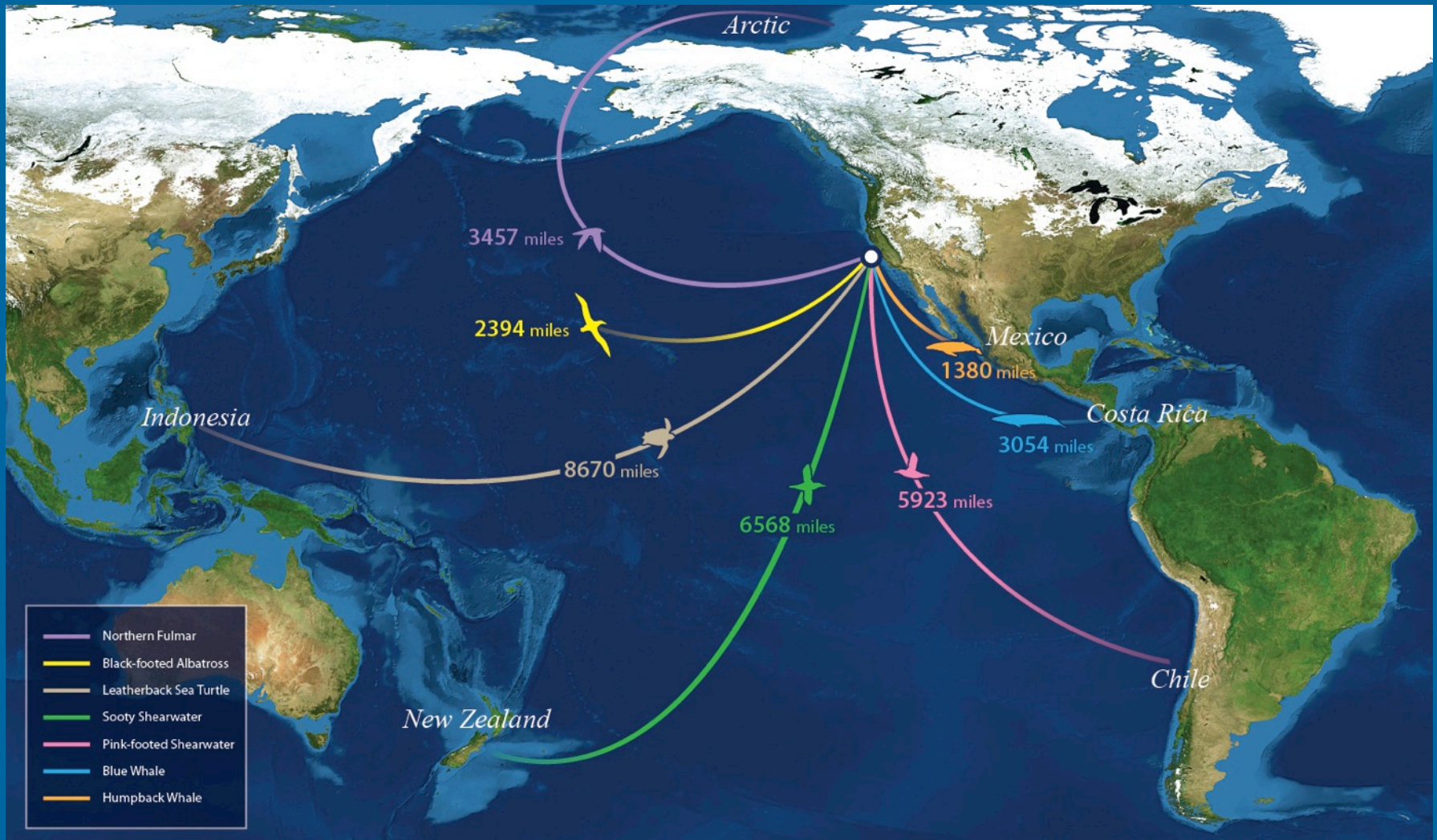
The seafloor



Biodiversity

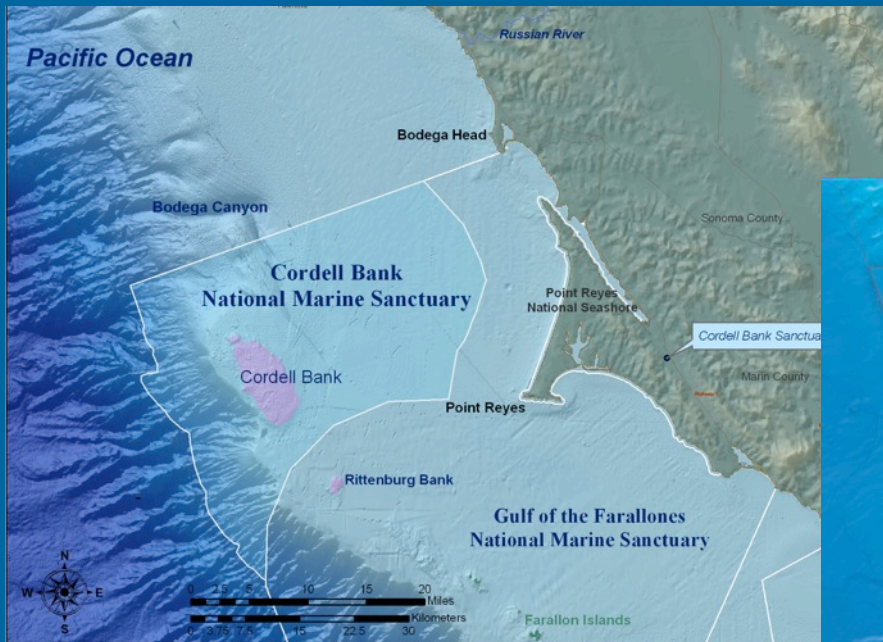


West Coast: Ocean Dining Destination



2015- Cordell Bank and Gulf of the Farallones National Marine Sanctuaries Expand

Prior to Expansion-529 square miles



Expanded Cordell Bank NMS-1267 square miles



2015- Cordell Bank and Gulf of the Farallones National Marine Sanctuaries Expand!

Expanded to 3,295 square miles

Prior to Expansion:
1282 square miles



13,407
square miles



NATIONAL MARINE SANCTUARY SYSTEM



Scope of Sanctuary Protections

Protects against gas, oil, and mineral development

Protects water quality

Protects wildlife

Protects important seafloor habitat



What do National Marine Sanctuaries do?

1. ***National Marine Sanctuaries Act***, provides the legal framework outlining the activities that are allowed or prohibited
2. ***Science***-understand the condition, status and trends of resources in the sanctuaries, and to provide information to support management decisions
3. ***Education***- *“inspire an ocean literate public to make informed environmental decisions”*
4. ***Resource Protection***-regulations, permitting, incident response, and contingency planning, damage assessment, restoration, and enforcement

Changing Ocean

Warmer

Low Oxygen Zones

Sea Level Rise

Ocean Acidification

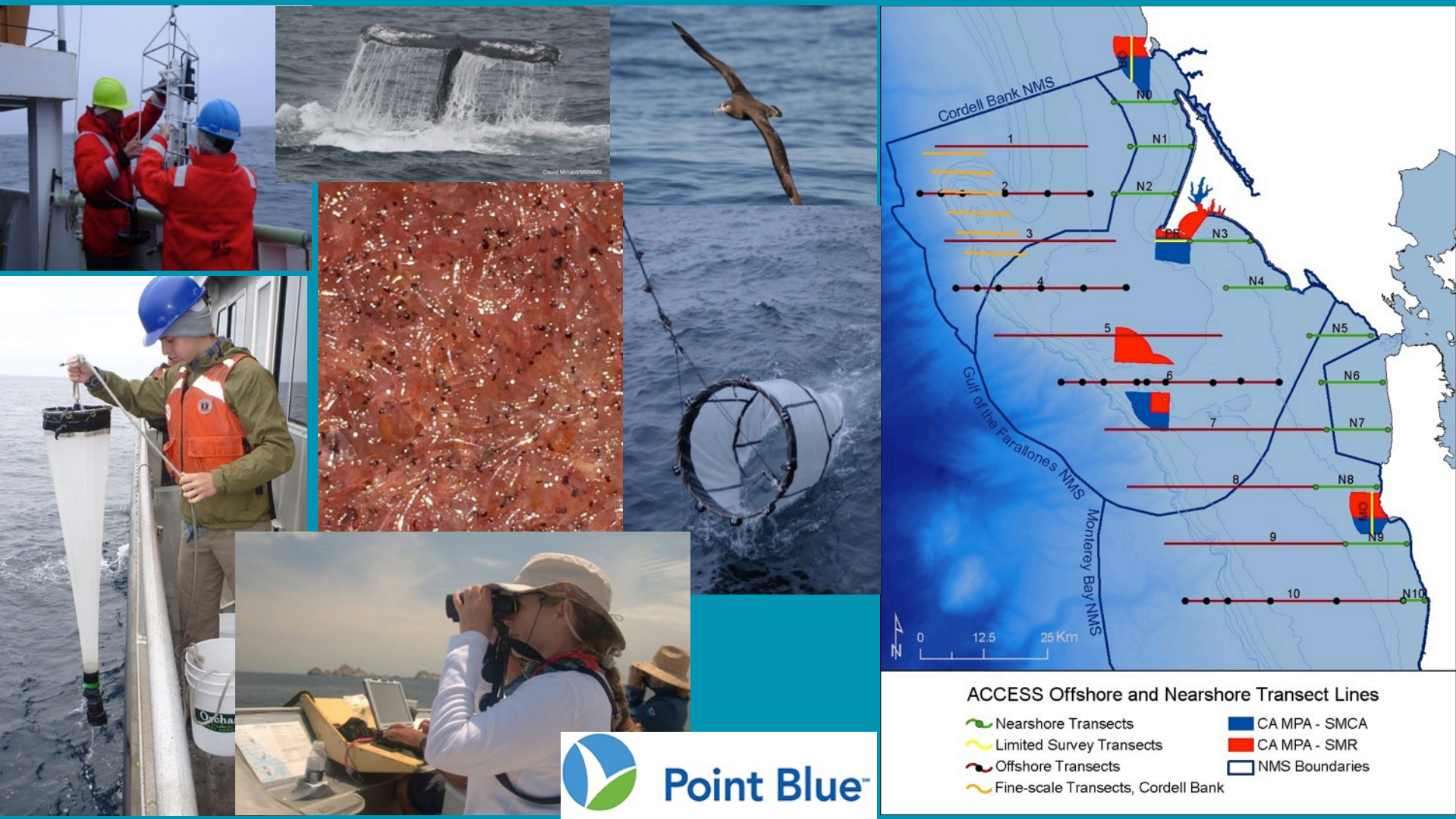
Harmful Algal Blooms

Species Range Shifts

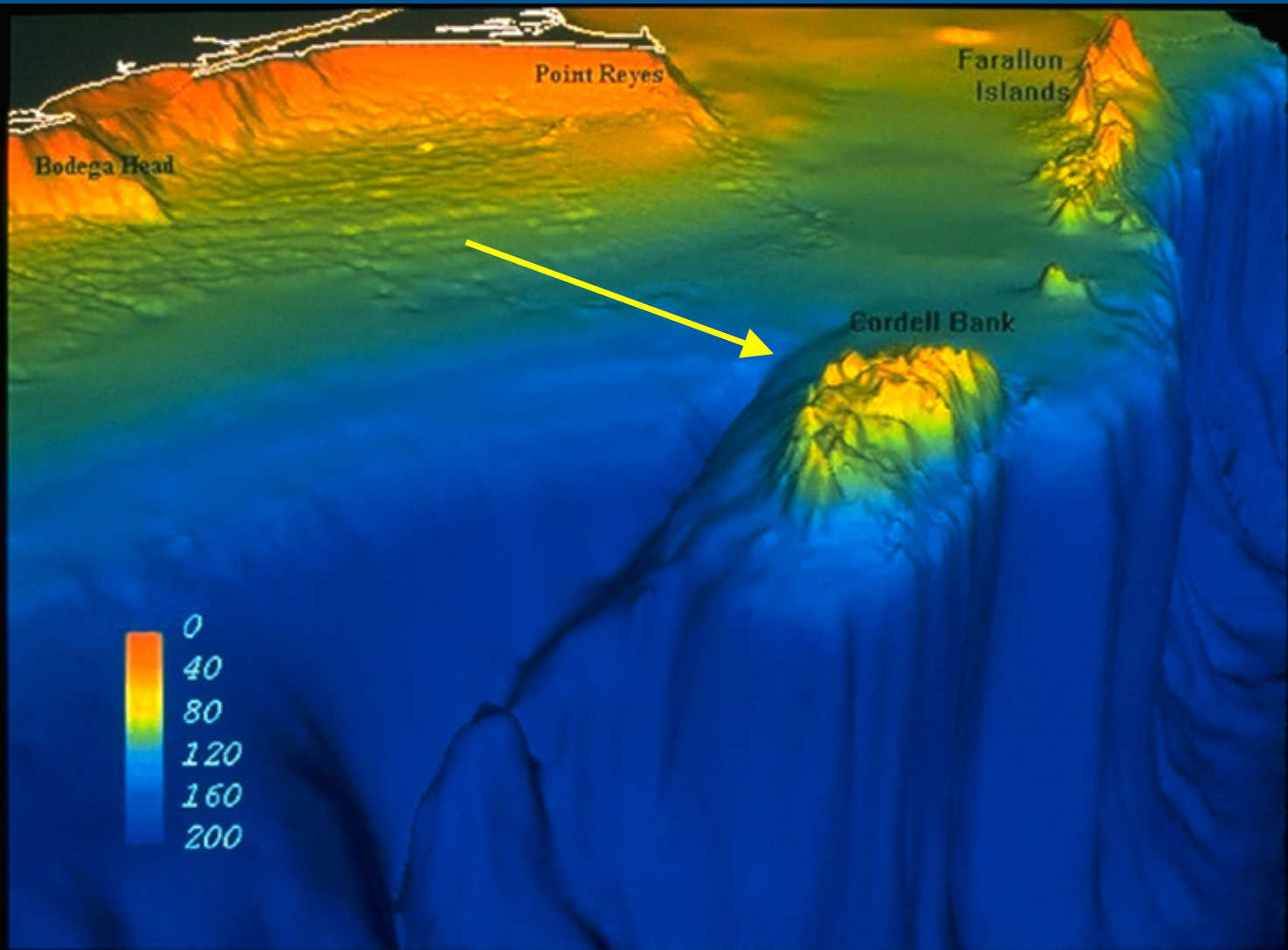
Shifts in upwelling season



Applied California Current Ecosystem Studies



Whats Down There?

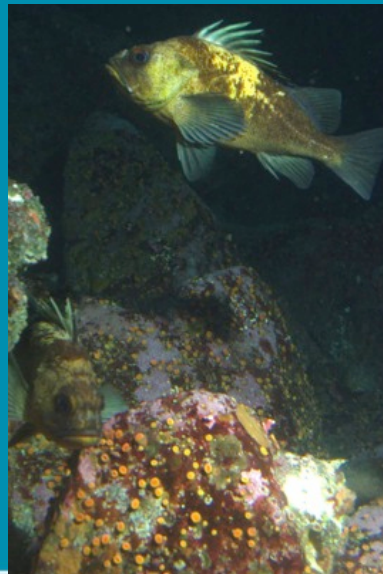




Two-person submersible



Remotely Operated Vehicle (ROV)



We Can Help! Collective Action!

We can reduce climate change impacts and provide more time for wildlife and people to adapt

Energy Choices Matter



Coming Soon! Ocean Exploration Center at Point Reyes National Seashore Lighthouse





Cordell Marine Sanctuary Foundation

Cordellfoundation.org

Supporting the Cordell Bank National Marine Sanctuary:

1. Scientific research programs, studying climate change, ocean acidification, and marine life
2. Education, outreach and increasing public awareness of the Sanctuary
3. Conservation and protection of the Sanctuary resources, including whales, seabirds and corals

Why are National Marine Sanctuaries good for you?

Keep Oil off your beaches

Protect wildlife

Healthy Ocean=Healthy Coastal Economy

Educate your communities

Protects water quality



Jennifer Stock

NOAA Cordell Bank National
Marine Sanctuary

Phone: 415 464 5263

Email: jennifer.stock@noaa.gov

<http://cordellbank.noaa.gov>



@CordellBank