



# Eyes in Sanctuaries

Join the National Marine Sanctuary System's 50th and LiMPETS 20th anniversary celebrations by getting your *Eyes in Sanctuaries* and participating in citizen science monitoring!



## LiMPETS

Long-Term Monitoring Program and  
Experiential Training for Students

Learn more and find an event near you



#EyesinSanctuaries

In collaboration with California's national marine sanctuaries, LiMPETS offers direct involvement in real scientific endeavors to increase awareness of and interest in the marine environment.

LiMPETS program participants:

- help support meaningful contributions to science,
- engage in real-world applications of STEM learning, and
- become stewards of their local ocean and coastal spaces.



### LiMPETS Partners



NATIONAL MARINE  
SANCTUARIES

CELEBRATING 50 YEARS



GREATER  
FARALLONES  
ASSOCIATION

PACIFIC GROVE  
MUSEUM  
of NATURAL  
HISTORY



## Species Monitored



### Ochre sea stars (*Pisaster ochraceus*)

Habitat: Rocky intertidal

- Yellowish-brown, purple, and orange intertidal predators
- Why monitor? As early as June 2013, sea stars along the Pacific began dying from what has become known as “sea star wasting syndrome”

### California mussels (*Mytilus californianus*)

Habitat: Rocky intertidal

- Often the dominant space-occupier in the mid-intertidal zone
- Mussel beds provide important refuge and habitat for a variety of invertebrates and algae
- Why monitor? Increased poaching has resulted in negative impacts to the species and benefits they provide



### Pacific sand crabs (*Emerita analoga*)

Habitat: Sandy beach

- Important indicator species, and food source for fishes and shorebirds
- Why monitor? Sand crabs depend on healthy beach characteristics like kelp wrack that are susceptible to human impacts such as beach grooming

