

# Channel Islands National Park's Kelp Forest Monitoring Program

*Indicator species reference guide for*  
**1 M QUADRATS**

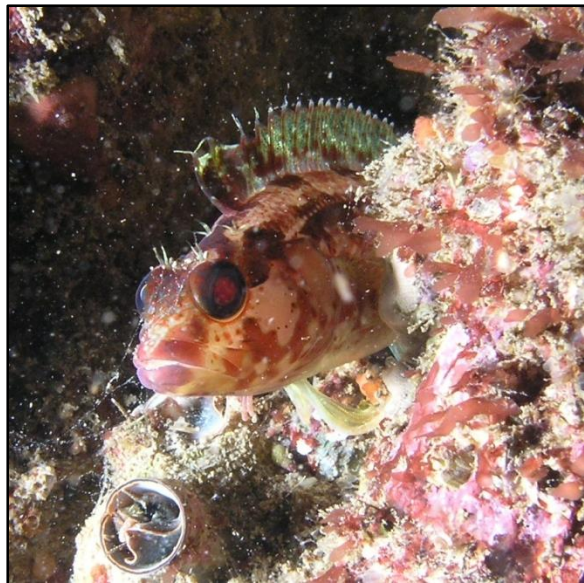


# ***Alloclinus holderi***

Island kelpfish



S. Halewood



J. Alstatt



# ***Coryphopterus nicholsii***

Blackeye goby



G. Sanders



S. Halewood

# ***Lythrypnus dalli***

Bluebanded goby



S. Halewood



D. Stein/DFG

# ***Styela montereyensis***

Stalked tunicate



Christian Bier/Wikimedia.org

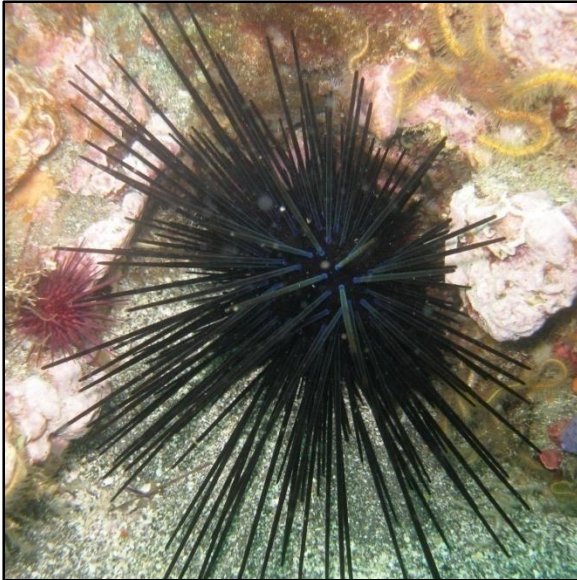


D.W. Gotshall



# ***Centrostephanus coronatus***

Coronado urchin



K. Moore



D. Richards

***Parastichopus parvimensis***

Warty sea cucumber



D. Richards

***Parastichopus californicus***

California sea cucumber

*(Non-indicator species)*



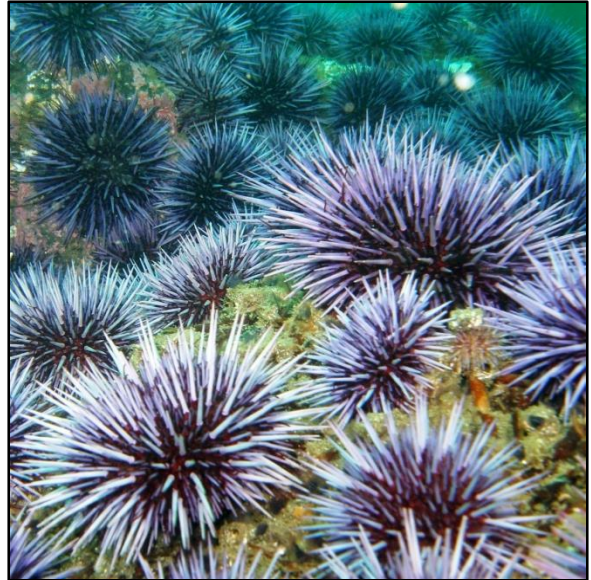
S. Anderson

# ***Strongylocentrotus purpuratus***

Purple sea urchin



P. Rich

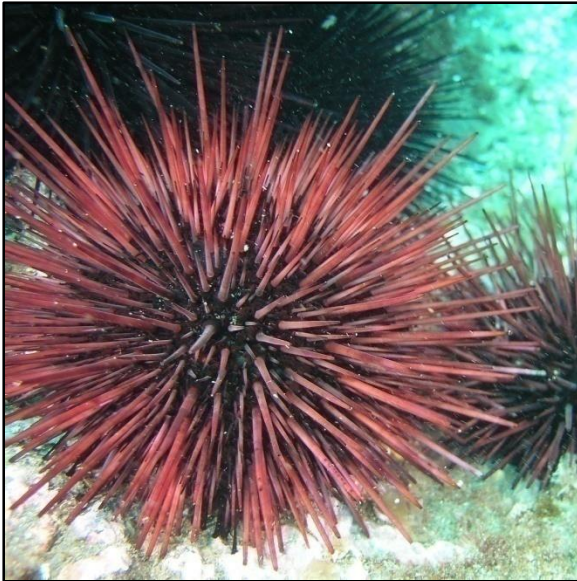


S. Halewood



# ***Strongylocentrotus franciscanus***

Red sea urchin



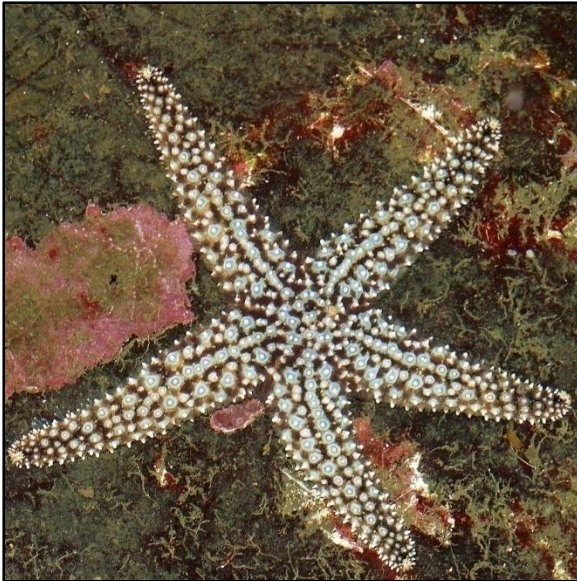
G. Sanders



A. Griffiths

# ***Pisaster giganteus***

Giant spined sea star



S. Anderson



K. Moore

# ***Asterina (Patiria) miniata***

Bat star



S. Anderson



S. Halewood



# ***Tegula regina***

Queen tegula



J. Alstatt



J. Alstatt

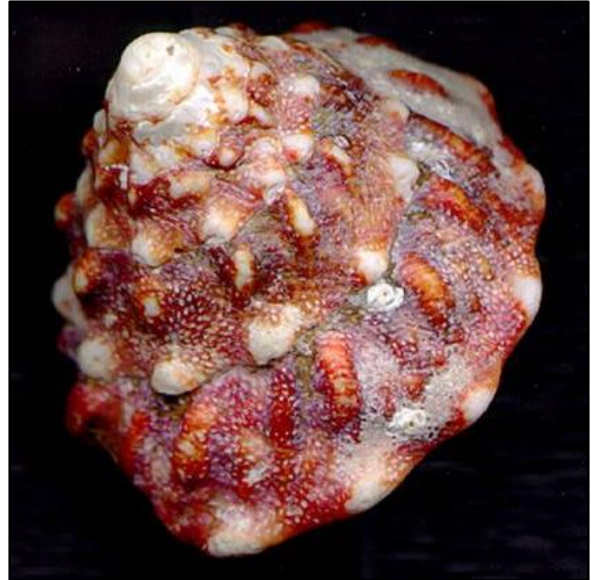
# ***Lithopoma (Astraea) gibberosum***

Red turban snail

(smooth operculum)



A. Griffiths



PISCO

# ***Lithopoma (Astraea) undosum***

Wavy turban snail

(ridged operculum)



S. Anderson



KFM



# ***Cypraea spadicea***

Chestnut cowrie



S. Halewood

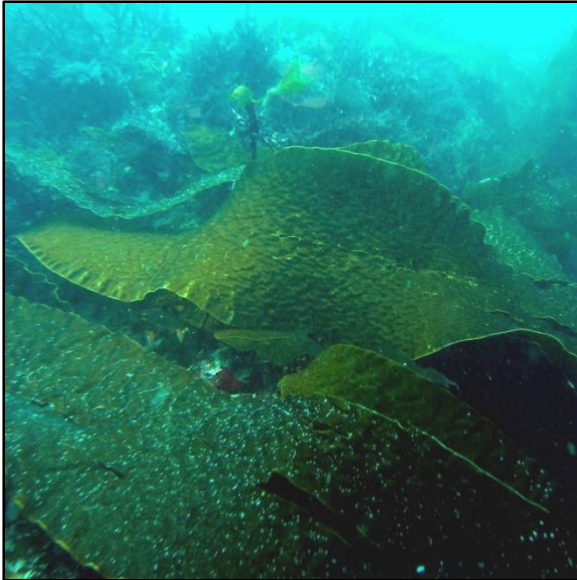


D. Stein/DFG

# ***Laminaria farlowii***

Oar Weed

Adult



Santa Barbara Coastal LTER

Juvenile (blade <10 cm wide)

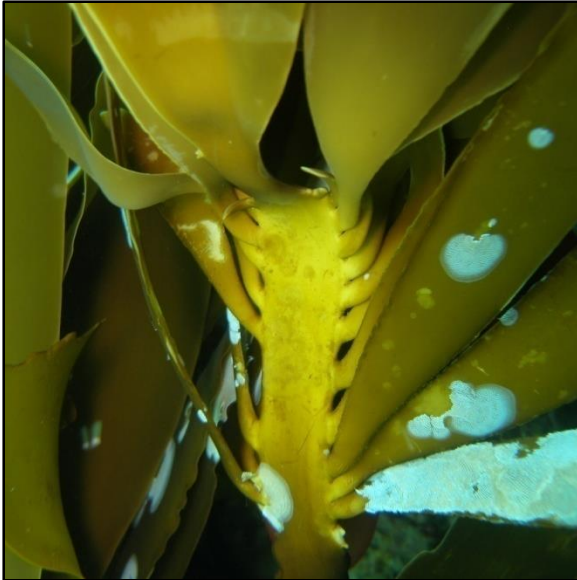


J. Alstatt

# ***Pterygophora californica***

California sea palm

Adult



Santa Barbara Coastal LTER

Juvenile (single blade)



D. Stein/DFG



# ***Eisenia arborea***

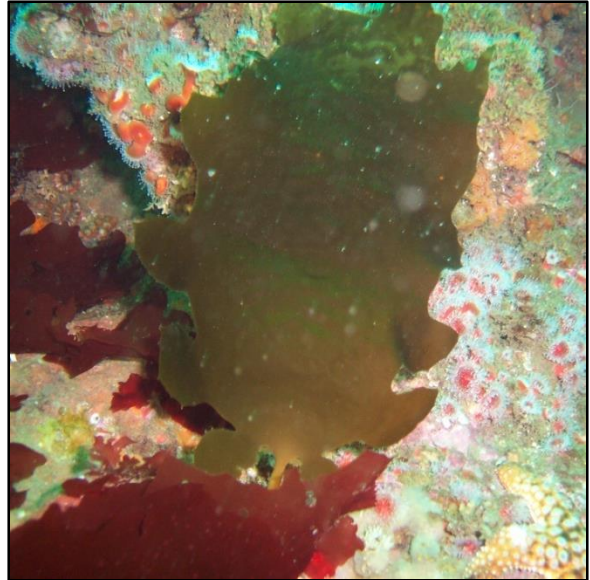
Southern sea palm

Adult



J. Alstatt

Juvenile (single blade)



KFM

# ***Macrocystis pyrifera***

Giant kelp

Adult



Santa Barbara Coastal LTER

Juvenile (<1 m tall)



KFM

# ***Sargassum horneri***

Sargassum



KFM



J. Sprague

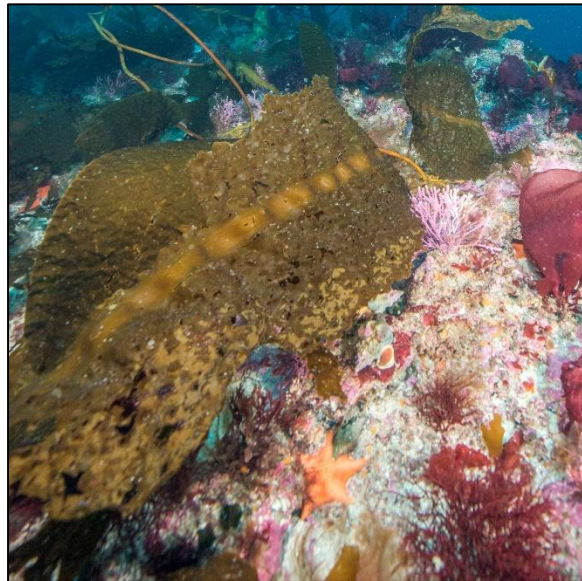


# ***Agarum/Dictyneropsis***

Write-ins



KFM



Brett Seymour NPS/SRC