

A KEY TO THE ECHINOIDEA COLLECTED DURING THE
BLM SURVEY OF THE SOUTHERN CALIFORNIA BIGHT, 1975-1978

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1. Test oval to heart-shaped..... irregular urchins 2
- Test globose, circular in outline regular urchins 5
2. Color of test purple Spatangus californicus
- Color of test green or white 3
3. Anterior ambulacrum deeply notched; posterior petaloids half or
less than half the length of anterior petaloids
..... Brisaster latifrons
- Anterior ambulacrum only slightly notched; posterior and anterior
petaloids almost equal in length 4
4. Prominent, reniform, brown or black subanal fasciole
present Brissopsis pacifica
- Subanal fasciole absent Gonimaretia laevis
5. Color of test and spines pink; spines thin and delicate
(note: spine color visible in juveniles greater than 2-3 mm
in diameter)..... Allocentrotus fragilis
- Color of test and spines dark purple to dark red, or
white; spines robust 6
6. Color of test white; skirt of primary spines surround ambitus.
..... Lytechinus anamesus
- Color of test dark purple to dark red; primary spines evenly
distributed over aboral surface
..... Strongylocentrotus franciscanus

ECHINOID SPECIES LIST

TRAWL AND BOX CORE BLM SURVEY OF SOUTHERN CALIFORNIA BIGHT (1975-1978)

*(Indicates Trawl Collection Only)

Phylum Echinodermata

Class Echinoidea

Order Echinoida

Family Strongylocentrotidae

Allocentrotus fragilis Jackson, 1912

*Strongylocentrotus franciscanus A. Agassiz, 1863

Order Temnopleuridae

Family Toxopneustidae

Lytechinus anamesus (H.L. Clark, 1912)

Order Spatangoida

Family Brissidae

Brissopsis pacifica A. Agassiz, 1898

Family Schizasteridae

Brisaster latifrons A. Agassiz, 1898

Family Spatangidae

Gonimaretia laevis H.L. Clark, 1917

* Spatangus californicus H.L. Clark, 1917