

at SPMNH

Sta. No. H48-210

Locality: Calif.: San Luis Obispo Bay, about mouth of San Luis Obispo Creek, San Luis Obispo Co.; between the 2 piers; about 100 yds on either side of creek

Lat. 35° 10.8' N.; Long. 120° 44.7' W. (USC & GS chart 5302, 197)

Water: clear, salt

Vegetation: generally none, but sparse tufts of fragmented algae in places, and patches & mounds of kelp, small algae & surfgrass

Bottom: sand, clean & firm, with some rock in places Temp.: mod.

Shore: sand beach, grading to rock at W. end Current: little to none

Distance from shore: to 100 ft. Tide: most of incoming

Depth of capture: Depth of water: to 5 feet

Method of capture: 8' x 75' 1/4" sq. mesh seine

Collected by: Carl L. & Laura C. Hubbs Date: VII:25:1978

Orig. preserv.: 1090 form Time: 8:30-11:30 D.S.T.

Well protected bay, with waves < 2 ft. high.

Broad beach and gentle slope on main beach; steeper in pocket beaches at E end of reef area of Point San Luis.

Saved all fish, except as noted.

1 shrimp + 1 bryozoan colony to A. Hancock Foundation, with

Blades of a very broad-leaved Zostera zostera.

included with fragmented algae. Leaves

nearly as wide as 3/4 inch — much wider than

Zostera of Morro Bay, which is about intermediate between 2 types at San

Diego. The broad-leaved offshore form at ~~Point~~ Avila seems broader than the deep-water form at La Jolla. Perhaps both types get broader toward N.

See letter to Dawson, sent with fragment 12.0-17.5 mm. broad

AUG - 4 1948

40. Atherinopsis californiensis: 7 sp.ys. — mostly from close to reef.

Atherinops affinis (2 subsps.?): 345 saved; about 150 discarded. Yr. to 2d. Some small & some large sps with running ova.

— OVER —

H 48-210 (con.)

46. Seriphus politus: 3 hl. gr., on main sandy beach. ^{77-88 mm.}

47. Hyperprosopon argenteum: 56 young saved, out of ca. 100 seined. Near rocks & open beach

Tocichthys ellipticus: 30 large yg. Near rocks & open beach. Retain the blackish C border of smaller yg. Sides have a brassy sheen with faint coppery cross-bars, which are sharply distinct only just below lateral line, for short distance. C amber; spinous D largely dusky.

Crossochir koelzi: 15 newly hatched to large yg. Banded almost like Amphistichus yg., but bars narrower & more chainlike. There is a little more coppery on the sides, and a considerable dusky violet-pink on front lobe of A, near middle of P₂, & on lower lobe of C. (In Amphistichus yg. the P₂ is whitish and there is only a bare trace of pink on A & C. In Crossochir the lips & chin are distinctively amber, becoming rusty near front of mouth. The eye is more reddish & gilt than in Amphistichus.)

Already the deep body with elevated dorsal contour and the smaller & more oblique mouth are evident. These characters of color & form are not definite in newly hatched yg. Near reefs

Amphistichus argenteus: 58 newly hatched yg. to lg. ads. preserved out of ca. 100 seined. The few lg. ads. returned to water. Both near reefs & on open beach; large ones near reefs. (Con.)

Oct 29, 51
One specimen
for Amphistichus
Shimoda

48-161
mm.

H48-210 (con.)

47 (con.) Cymatogaster aggregata: 52 yp. to ad. ^{34-90mm.}

Saved out of ca. 200 seized; mostly

yo. Both near reefs & on open beach.
(~~See Paralichthys~~)
Micrometrus minimus: 49 ads., newly born
to large; nearly all near reefs. Mostly
in high color. Some ♀ pregnant.

55. Leptocottus armatus: 120 hl.gr. — ad. ^(69.5-126)

Very few near reefs; abundant on open beach. ^{BMD}

57. Syngnathus californicus: 14 lp. yp. —

ads, mostly ads, ^{107-282mm.} (+ 7 hatched on
preservation). All near reefs, mostly
in haul with much fragmented
algae. Mostly reddish brown.

61. Gibbonsia metzi: 1 hl.gr. + 2 ads., near reef,
in hauls with fragmented algae, 74-112mm.

Apodichthys flavus: 1 subad., kelp colored;
in haul with algae, 159mm.

64. Paralichthys californicus: 1 hl.gr., ^{1 (217) BMD} Bayed R.

Spawed up 2 hl.gr. of Cymatogaster.

Citharichthys stigmaceus: 1 hl.gr. + 1 ad., ^{2 (55-82)} on

open beach by creek mouth. Both yol.

Psettichthys melanostictus: 1 yp., on open
beach at creek mouth, 50mm.