

Locality: Calif.: Mission Bay, San Diego, on shore N. of Crown Pt. near N. base of Crown Pt. Lat 32°47.25' N, Long 117°14.04' W. (USCGS chart 5106, 1917).
Water: salt, bottom vis. about 2 ft.
Vegetation: mostly in Zostera beds, thin to thick
Bottom: soft to firm mud with some sand; few tridacna spp.
Shore: narrow sand-mud beach to cliff Current: slight tidal
Distance from shore: to 35 ft. Tide: outgoing*
Depth of capture: various Depth of water: to 4 ft.
Method of capture: 5' x 25' Baird Seiv '1/4" in bag
Collected by: C.L. & L.C. Hubbs & E.M. Kampa Date: I. 12. 1945
Orig. preserv.: 1090 form Time: 3:15-4:30 PM

* - 0.9' at 4:57 (Crown Pt.)

Sawdall except perhaps 200 yr. old. & Fundulus & many baby Atherinids.

To aquarium:

1 Cymatogaster

Dev. Fundulus

Few Paralabrax clathratus

27. Fundulus p. parvipinnis: 33 preserved

To CAS 11484 part W. yr. - ad.

35. Paralabrax clathratus: 7 yg., 43-62 mm. 11458

To CAS Paralabrax nebulifer: 1 yg. 38 mm.

11493 Cheek with golden brown spots, some aligned to help form the oblique subocular bar. Pectoral base with an oblique dusky blotch, preceded by a smaller dusky bar. Just below middle of sides below the primary dark stripe and above the interrupted ventro-lateral stripe there is a row of sub-hexagonal red-brown spots. ~~Does~~ There is a similar but fainter dorso-lateral row. The mandible is not banded.

40. Atherinopsis c. californiensis : 12 ^{very} yg. 19-28 mm.

taken from schools in very shallow water

To CAS 11492

40 Atherinops affinis littoralis : 3 yg. part with collection 5b but smaller than any in 5

at 530.

(discard)

yg. are easy to distinguish from yg. Atherinopsis not only by more posterior 1st dorsal in reference to Anal and the Venter snout, but also by the smaller and more numerous melanophores. Those in the mid-dorsal file of body and on top of head are enlarged but definitely smaller than the giant melanophores of Atherinopsis yg. The dark lateral band narrows forward but hardly into the head streak of Atherinopsis.

55. Leptocottus armatus australis : 9 yg. 24-37

To cloths for clearing

57. Syngnathus auliscus : 4 lg. yg., 1 blackish

at 530) throughout, others with 11 to 14 very conspicuous and narrow rings, more conspicuous than seen in any of Leptorhynchus specimens of same collection, also narrower and more widely separated, hence fewer. These marks in Leptorhynchus are usually faint and often absent.

Syngnathus californiensis leptorhynchus :

yg. - mat. ad. - 1 qt sample at 530.

59. Quintula y-cauda : 13 yg. ad., 23-41 mm. To CAS 11497

To CAS { Olypnus gilberti : 2 ad. ♂s, 34-38 mm. 11496
Clelandia ios : 2 ad., 27-30 mm. 11494

61. Siboniscus elegans elegans : 1 yg. 23 mm. To CAS 11491 Seined in eel grass, but where there were a few boulders. The color is kept

61. *S. c. elegans* (con.)

brown with the primary light stripe faint.

Ocelli are just developing

64 *Paralichthys californicus* : 15 yg. - bl. yr. 39-167 mm.
5 R. : 10 L.

T ♂ CAS 11466 counts taken

Hypsopsetta g. guttulata : 3 yg. + 1 subad.,
31-41, 142 mm.

CAS 11471

replied

Copey f. 0
Acc. II: 3:1945

Sta. No. 1145-51 Orig. No.

Locality: Calif.: Mission Bay, San Diego; at tip of
Crown Pt. (N. end of Causeway)
Lat 32°46.77'N, Long 117°14.16'W. (U.S.C.G.S. chart 5106, 1917)
Water: Salt; yellowish; bottom vis about 3 ft.
Vegetation: thin to thick Zostera beds; some bare
Bottom: mud and sand mixed firm to soft Temp.:
Shore: narrow sand-mud beach to cliff, + bars Current: slight to none
Distance from shore: to 30 ft. Tide: low*
Depth of capture: various Depth of water: to 6 ft.
Method of capture: 5x25 Baird Seine, 3/8"-1/4" mesh
Collected by: C.L. & C. Hanks & E.M. Kanya Date: I:12:1945
Orig. preserv.: 10.90 form. Time: 4:45-6:00 P.M.

* - 0.9 ft. at 4:51 Crown Pt.
acc. to Tide Tables, 1940,
but tide didn't turn until
almost 6:00 P.M.

Saved all except a few of Fundulus

To aquarium: sev. yg. of Paralabrax clathratus
sev. of Micrometrus
1 juv. Cymatogaster
1 juv. Heterostichus
sev. of Fundulus

1 juv. 1 distal ad. yg. Paralichthys
1 " ad. Hypoglossus

27. Fundulus p. paripinnis: 1 yg. preserved (28mm)
added to a Calif. seed. 11484 pt

35 Paralabrax clathratus: 14 yg. 37-55 mm.
CAS 11488

To G.S. { Paralabrax nebulifer: 1 ad. yg., 136 mm.
CAS 11493

Paralabrax maculatofasciatus: 4 yg. - ad.
44, 54, 195, 278 mm.

Two larger spec. from deep channel holes
Young very much like those of
nebulifer, but differing in having the
over

dark markings blacker, those on the cheek blackish. The two bars on the shoulder region in front of pectoral of nebulifer are replaced by 3 or 4 roundish black spots. The mandible is banded with blackish (smaller specimen) or dusky (larger specimen). There is no definite subocular bar, though ~~the~~ some of the blackish spots are aligned to form an approach toward one. The smaller specimen has the sub-hexagonal red brown spots but little better developed than in nebulifer and in similar position. Instead of ~~extending~~ over becoming indistinct with age these spots increase in intensity and extend over rest of body. On the lower sides of the larger young, they are large enough to be separated by an hexagonal light network

2 eq. spec. to C.A.S. 11490
 2 yg. to C. Clother, Calif. St. Fish. Lab.

40. Atherinopsis c. californiensis : 2 very yg., 19-26
 TO CAS 11492

40 Atherinops affinis littoralis (discard) 2 quart sample,
 at S20 all larger than 3 yg. from coll. 5a.

17 (2000) Atherinops affinis cedrosensis : 5 spec., lg. yg.

57. Syngnathus auliscus : 5 lg. yg. or hb. sp.
 at S20 All with the prominent light rings

Syngnathus californiensis leptorhynchus :
 at S20 yg. - mat. ad. - 2 qt. sample

59 Amietula ycauda : 1 ad., 34 mm. CAS 11497

TO CAS { Dlypnus gilberti : 4 eq. yg. - ad., 21-37 mm.
 CAS 11496

{ Clevelandia ios : ~~1 ad.~~ ad., 28 mm.
 CAS 11494

60. Porichthys myriaster : 1 lg., 72 mm.

To Stanford.

H45-5b

(+1 green, + aquarium)
86-318

61. Heterostichus rostratus: 5 lg. yg. to ad.

all in eelgrass phase. In life the adult was not as bright a green as the smaller ones and in formalin changed to brown while the others remained green. The number of silver stripes varies, ~~from~~ in both intensity and order of appearance, and also in width, the stripes seem to fall into the following sequence:

- (1) Stripe just below middle of sides passes through a lower segment of eye.
- (2) A dorsal stripe from eye to top of C. peduncle, well separated from dorsal base.
- (3) A ventral stripe from belly to end of A., definitely above A. base.
- (4) Almost equivalent to (3), from billhook, silvery spot on opercle near spine straight backward between (1) and (2).
- (5) Light area along anal base.
- (6) Light area along dorsal base, more or less continuous with the silvery blue stripe from D. to tip of chin.

Counts in group 61 file

64. Paralichthys californicus: 15 yg. - ht. gr. 51-145 mm
CR: 9 L

Counts taken

(+ 1 eaten)

To CAS. 11466

Citharichthys stigmans: 2 yg., 47-51

To CAS. 11495 Counts taken

CAS 11471 Hypsopsetta sp. guttulata: 1 yg., 46 mm (+1 eaten)

Symphurus atricaudus: 1 yg., 98 mm.

(dentist)

CAS 11475

L

To CAS.
11439

