

State or Country: California

Field No. 51054-188

County:

Map: USC+9.5 5115, 1948

Locality: Beechers Bay, between pier and first point to north Santa Rosa I.

Lat. 34° 01.0' N., Long. 120° 02.9' W.

Water: clear and salt

Vegetation: Macrocystis rather thick patches; Egregrina; 2 species of Phyllospadix; Ulva.

Bottom: rock and sand, about equal. Rocks covered with sea urchins and eel grass.

Cover: deep holes in bottom

Temp.: 15.40° C (at anchorage)

Shore: sand beach; cliffs

Current: practically none; strong

Dist. offshore: ab. 50-100 yds.

Stream width: offshore wind, with choppy and ripples.

Depth of capture:

Depth of water: 6-15 ft.

Collected by Carl H. Hubbs and party

Tide: outgoing, approaching 0 tide

Date: IX:15:1954

Method of capture: derris poisoning

Orig. preserv.: 10% form. + borax Time: 1330-1530

1 5-gal. can; 1 2-qt. jar 171 specimens saved.

Coll.: Carl H. Hubbs, Conrad Limbaugh, A. B. Rehnitz, Beverly Morgan, J. W. Sefton, Jay C. Grant.

Rather thorough poisoning. Gulls and cormorants gave only moderate trouble. Poisoning distributed by aqua-lung, 290 cu. ft. of air used. Fishes collected by aqua-lung, face plates and surface dipping.

6A Platyrrhinoidis triseriatus: 1 ad. ♀ (660) tank

35. Paralabrax clathratus: 1 yg. 36 mm.

47. Cymatogaster aggregata: ser. same form as gracilis 1 lg. ser (43-61)

47B Brachyistius frenatus: yg. lg. ad. 1 yg. well speckled in posterior part with same color as lateral line stripes 21 (52-132)

Taeniotoca lateralis: 1 lg. yg.

47A Emlatoca jacksoni: 1 lg. yg. - ad. yg. in both green and red phases. Some of large adults very dark. 22 (67-197)

Hypsurus caryi: 1 lg. yg. 87 mm

(over)

47. con.

Phanerodon furcatus : 1 yg. Bare trace of black on anal.
Pelvic and anal clear lemon-yellow. Very little
pinkish on lower sides. Head and eye a
little smaller than in atripes. 70mm S.L.

Phanerodon atripes : yg. (a few). Distinctly
golden pink below, all with black spots on
anal of varying size. Pelvics varying from
pinkish yellow to almost brick red.
A salmon-pink streak along base of anal,
not developed in furcatus.

47D Damalichthys vacca + lg. yg. ³⁸⁽⁶²⁻²⁴⁸⁾ Basal $\frac{2}{3}$ of pelvic
orange-salmon. Bar of same color near
front of anal. Suppression of this color over
lower sides. Note extreme forking of tail
in large adult.

Rhacochilus toxotes : 1 lg. yg. 1 79mm.

47C Micrometrus minimus : sm. to lg. ~~3: 29-38mm~~ ^{3: 29-38mm} 13(29-109)

Amphigonopterus aurora : 2 ♂s 44mm.

50 Oxygulis californica : yg.-lg. ad. 3: 27.5-33 mm

53. Sebastes paucispinus : yg.

2 of yg. had 1 sm. ad. of Cymatogaster in stomach,

Sebastes serranoides : a few yg. ^{preserved} in school seen

Sebastes mysius : yg.

Sebastes atrovirens : series of yg. +
1 bob-tailed yearling

Sebastes rostralliger : yg.-lad.

Sebastes chrysomelas : 1 yg.

54. Hexagrammos decagrammus : 4 hl. yr. TOUCLA
ret. 1960 DMD 4(106-132)

55. Scorpaenichthys ruber : sev. yg. + 1 hl. yr.

Half grown specimen olive with bars and mottlings bordered with blackish brown.

1 lg. yg. pale reddish brown with greenish gray mottlings. One small yg. ^{with} olive-gray mottling on pale red-brown background.

Brownish red bands on fins.

One yg., with light marks varying from brown to silver, dark marks non-descript.

One rather rich reddish brown bars above, silver-blue below. Fins banded with slightly brownish red. A few more rather similar dull colors.

55A* Artedius lateralis : sev. ^{19(34-65.5)} ~~15-35.5-69.5 mm~~

Artedius corallinus : 1 hl. yr. + 1 ad. 40-51 mm

Orthonopias triacis : 1 ad. ♂ 63 mm

Seiurothrus hirundo : 2 hl. yr. One with

light bars olive with fine blue speckling.

Dark bars sooty to brown with considerable orange below. Spots on lower sides bluish white separated anteriorly by orange spots and articulations. Second specimen

like first but light areas above lateral line very strongly spotted with bluish white 71.5-88.5 mm

9(635-163)

55B Scorpaenichthys marmoratus ~~3-65-84~~

57. Aulorhynchus flavidus : 1 preserved, a few
1 Cat'd. 73 mm. others spec.
(over)

*2
removed
for
C.T.S.

57 (con.)

Syngnathus californiensis: yg. - ad.

56 Liparis mucous: 1 hl. gr. + 2 ad. 29-41.5 mm

One specimen reddish beset with blue-gray spots on the body and head with pinkish color forming more or less hexagonal pinkish areas. Second specimen, a ripe ♀, very pale, slightly olive-gray very finely peppered with blackish over most of the sides, but with larger and more irregular spots near the back. Half grown distinctly salmon-pink with strong net work of blackish blue

60. Porichthys notatus: 2 yg. 25-27.5 mm

4 (79-119)

1 (79) R.R.

61A ^{te}Herostichus rostratus: lg. yg. - hl. gr.

Sibbonsia melzi: 1 lg. yg. - ad. 18 (38-69) R.R.

Sibbonsia montereyensis: yg. - ad.

Sibbonsia^eelegans: medium to lg. ad. 36: 30-90 mm

61F Epigeichthys atropurpurea: 1 hl. gr. + 1 ad. 2 (116-170) 1 (170) R.R.

Xerperes fucorum: hl. gr. - ad.

Xiphiaster mucosus 14 (68.5-98)

Citharichthys stigmaeus: 66 (36.5-71) R.R. yg. - ad.

cat Pleuronichthys cornutus: 1 yg. 1 (50) R.A.

61E Xerperes fucorum 44 (68.5-98) 40 (62-148.5)

Sare L. Hull & party

Comparison of Cymatogaster from Beechey
Bay, Santa Rosa, ^{with other} ~~and~~ Catalina Islands.

Compared with the Catalina specimens which do not seem to be typical aggregata the Santa Rosa specimens are slenderer and quite different in some color features. Except for a very weak pinkish tinge over the whole fin the red is confined to an anterior basal triangle charged with black on the lower posterior edge of the triangle, which is separated from the rest of the fin by a definite white bar. In the Catalina I. specimens the anterior red area is diffused outward onto the fin and continues backward along the base of the rays. The Catalina specimens have at most a very small and weak light bar. In the Santa Rosa specimens the black blotch on the outer part of the anterior Dorsal soft rays is much more conspicuous on the ^{average} ~~average~~ ~~Santa Rosa fish~~. The Santa Rosa fish also have on the average more sooty color over the middle part of each caudal lobe. In general they have more red on the opercular membrane. Size is much smaller.

The salmon shown on the lower sides is more conspicuous on the Santa Rosa fish.

[later note - sample for Wilson Anderson,
San. Aug. 24. 1924
with Beechey Bay series.]
Earl L. Hull.