

State or Country: California Field No. 2151-249
County: Santa Barbara North Map: 71 S. & G. S. 5114, 1945
Locality: Santa Cruz I. Eastern pt. of Smugglers
Cove
Lat. 34° 01' 33" N, Long. 119° 31' 50" W.

Water: clear; salt.

Vegetation: Macrocystis & Egregia dominant. Laminaria
common. Codium. Some Phyllospadix. Coralline algae.

Bottom: rocky, a few very small sand patches.

Cover: rocks & kelp.

Temp.:

Shore: lava cliff.

Current:

Dist. offshore: out to 10 yds.

Stream width:

Depth of capture:

Depth of water: 5-25 ft.

Collected by Carl L. Hubbs & party on Research Ship "Orc"

Tide:

Date: VII:1:1951

Method of capture: deep poisoning

Orig. preserv.: 10% form + borax Time: poison in about 0830
1 vial with snail

2-1 gal. jars; 1-3 gal jar; 1-1/2 pt. jar. 3 octopi with fish

Predominant green and pink abalones and many top
shells. Surface had many top shells and

Pugilia. On bottom S. franciscanus and
Purpuratus. Some sea anemones,

Antheplura.

5. Heterodontus francisci: 1 ad. tagged; another ^{520 mm}
ad. observed. The 1 saved caught by hand before poisoning.
35. Paralabrax clathratus: 2 ad. speared; discarded.
Several others seen. Common in reef nearby.

40. Atherinops affinis insularum. 122 larval to juv.

Abundant at very surface, with small shrimp, in small openings.

8(39-121) → 47. Brachyistius frenatus. 12 yg. - 1 ad. with yg.

4(109-144) →

Embiotoca sp.: 3 hdb. + 5 ad. 5 adults tagged.

Largest adult with very thick yellow lips. 5(222-245)

Embiotoca lateralis: Tad. 1(203)

Damallichthys vacca: 1 ad. very dark & dusky. 1(186)

Rhacochilus (615-162)

48A Chromis punctipinnus: 5 hl. gr. - ad. many more seen.

Hypsypops rubicundus: 1 hl. gr. Fairly common.

47 Embiotoca jacksoni 3(123-173)

50A Oxyjulis californica: 10 hl.gr. - ripe ad. Moderately of hl.-gr. large school seen. 10(84-185)

Pimelometopon pulchrum: 1 lg. ad. 8 speared; disc. Sea urchin and shell fragments and alga in stomach. Among those seen, yr. - ad.

51. Girella nigricans: 1 lg. ad. ~~seen~~ seen clearly (C.L.H.).

53A Scorpaena guttata: 2 ad. hl.gr. - ad. (149-206)

53. Sebastes paucispinus: 2 yg. (56.5-63) R.J.K. Feb '59

Sebastes serranoides: 13 yg.

Sebastes atrovirens: 1 yg. + 2 ad. (tagged). Adults (250-285 mm) 2 yg. (21-31) R.J.K. Feb '59

Sebastes mystinus: 7 yg. (47.5-58) R.J.K. Feb '59

53B Sebastes chrysomelas: 3 yr. + 1 ad. 2(40.5-81) R.J.K. Feb '59

Sebastes carnatus: 1 yg.

Sebastes vexillaris 1(108) R.J.K. Feb '59

↳ caurinus

54A Oxyeblus pictus: 40 yg. - ad (36-126)

55A Scorpaenichthys marmoratus: 2 yg. (67.5-69.5)

55B Artedius corallinus: 1 ad. (80.5)

55C Artedius creaseri: 31 yg. - ad. (15.5-53.5) {Preorbital cirrus absent fr. both sides in 3 specimens}

55D Oligocottus rubellio: 14 yg. - ad. (18-53.5)

55E Orthonopias triacis: 30 yg. - ad. 28(28.5-67)

55F Clinocottus analis ~~astratus~~: 4 hl.gr. (53.5-89)

55G Clinocottus retusus: 16 yg. - ad. (25.5-61) } all from less than 10 ft. of water

55H Clinocottus embryum: 9 ad. (26-50)

57. Syngnathus californiensis: 1 newly born yg.; 1 hl.gr.; 1 ad. 1(135) also 1(139)

59A Coryphopterus nicholsii: 1 ad. (65)

59B Lythrypnus zebra: 3 ad. all from under cut rocks forming obtuse angles with bottom 3(27-35)

Lethops connectens: 4 hl.gr.

60. Rimicola eigenmanni 5 hl.gr. - ad. One green-brown 2 tan-purple with cream colored dorsal spots. Paratypes

56A Liparis mucosus: 15 hl.gr. - ad. One ripe ♀ full of pink eggs.

One boldly spotted. 4 plain phase. 4 dark speckled.

One boldly striped; one very weakly striped. 4 with

hexagonal reticulations 14(22-40) R.J.K.

* Only 4 found 23 Oct '62 JZC. ** Only 27 found 23 Oct '62 JZC.

~~57~~ Lethops connectens: 4 hl. gr.

smallest specimen added later 10~~99~~⁷⁷(~~153.5~~-377)

61A Heterostichus srostratus: 9 lg. yg. - ad., 2 largest tagged (~~28-387mm~~) Others seen. 2(~~237-377~~) ~~and~~

61E Gibbonsia metzi: 8 yg. - lg. ad. 5(~~37.5-111~~)
→ 10(~~26.5-177~~)

61F Gibbonsia elegans } 148 yg. - ad.

61G Gibbonsia montereyensis } valgaris see below 3(~~30-57~~)

61D Paraclinus integriramus: 3 ad. One with a little orange on light areas on anterior lower sides with rather faint cross bars. One with posterior $\frac{2}{3}$ fire orange. One ~~with~~ blackish with 3 orange bars 3(48-54)

61B Xerocipes fucorum: 14 hl. gr. - ad. 12(76-139)

61C Ulvicola sanctae-rosae, 1 ad. g. 3(83-196)

61 ~~Gibbonsia erythra~~ 32(~~26-83~~)

61 Gibbonsia metzi 10(26.5-55.5)

61 ~~Gibbonsia montereyensis (series)~~

61 Gibbonsia elegans 53(28-111.5)

Gibbonsia montereyensis 89(24-71)