

State or Country: California Field No. H52-178

County: San Diego Map: _____, 1.

Locality: deep bed off San Onofre
Anchor Station 4, "Operation Red Water"

Lat. _____ N., Long. _____ W.

Water: salt; strong concentration of *Proocentrum micans* set.

Vegetation: in *Macrobrytis* bed

Bottom: presumably rocky

Cover: _____ Temp: _____

Shore: sand beach Current: slight northward

Dist. offshore: _____ Stream width: _____

Depth of capture: surface + bottom (noted) Depth of water: 30 feet

Collected by Seiji Dist. party (James S. Kitting, et al.) on "E. U. Seiji"

Tide: _____ Date: VII: 21-22: 1952

Method of capture: dip-net; hook & line (see below)

Orig. preserv.: form Time: _____

VIII: 17: 1952 (-VIII: 21)

For details water conditions see red-water reports.

VII: 21: 1952 2200-2300 PST dip-netted under light by James S. Kitting:

EA
8A *Allograulis mordax mordax* (Sivard): 383 postl-juv.
21 (46 mm SL, as follows: 21 (3), 22 (8), 23 (8), 24 (21), 25 (30), 26 (23), 27 (21), 28 (25), 29 (35), 30 (44), 31 (41), 32 (51), 33 (33), 34 (15), 35 (10), 36 (7), 37 (2), 38 (2), 39 (1), 41 (2), 46 (1). Av. = 29.50 mm SL.

Measured in form and after 2-3 days in about 25‰ isopycnel.

Memo to Ahlstrom, Wisner, McHugh, gives data.

40. *Devesches tenuis* (Ayres): 53 postl-juv., probably representing 3 hatchings; lengths as follows:
56 (7-34) 7 (2), 8 (1), 9 (3), 10 (9), 11 (6), 12 (1), 14 (1), 15 (1), 16 (3), 17 (5), 19 (2), 21 (2), 22 (1), 23 (6), 24 (9), 25 (1).
discarded Av. = 16.23 mm SL. In formalin (measured).

Memo to Boyd W. Walker gives data.

4 *Theraps affinis californensis* (Kob.) 3 very yg., 17, 17, 18 mm SL. (form.) 3 (17-18)

57. *Syngnathus californensis* Steadman: 5 by 38 - noted, 134 (5), 135 (6), 155, 196 mm SL. (form.)

8 (134-317)

61. *Hypsoblenius ~~penzance~~ jenkinsi* (Hale) (M.S.): 1 postl. 8 mm SL. (form.)

(over)

(over)

VII:22:1952 0220 PST Gaylord Riggs Miller Dip-netted under light.

57. Syngnathus californiensis Storer: 1 hgr. ♀ 199 mm.
do not record, see earlier entry 1 ad. ♂ with embryos, 317 mm.

VII:22:1952 0300-0500 PST G. R. Miller and Robert McClelland

40. Leuresthes tenuis (Agassiz): 3 yg., 23, 24, 34 mm. S.L. in Hubbs, MS. formal.

~~57. Syngnathus heraldi: 1 hgr. 119 mm. S.L. (form.)~~

Syngnathus californiensis Storer, 2 hgr., 147, 207 mm. S.L. (form.)

do not record, see earlier entry

VII:22:1952 ab. 0800 PST Crew & technicians; caught at 30 feet on bottom by hook and line.

46. Gerygoneus lineatus (Agassiz): considerable numbers caught on bottom; 1 preserved; a few brought in to Aquarium. Preserved specimens taken; 137 mm. in S.L. in form; counts taken; discarded.

47. Hypoglossum argenteum Gibbons: 1 ad. ♀ 128 mm. S.L. (form.) 1(125)

60. Porichthys myriaster Hubbs & Schultz: 1 subad.; to Aquarium.

Carl L. Hubbs.

VII:22:1952 "1426 PDT" = no doubt 0126 PST Gaylord Riggs Miller Dipnet

57. Syngnathus heraldi Hubbs, MS.: 1 ad. ♀ 174 mm. S.L. (form.)
exilis 2(119-174)