

State or Country: Para California Field No. 2150-282
County: Northern District Map: 1
Locality: 1st pt. North of Punta China, S. of mouth
of Rio Santo Tomas
Lat. _____ N., Long. _____ W.

Water: clear, salt

Vegetation: much Phyllospadix, Corallina, Egregia and small or
algae. Pools varying from 1/3 to 3/4 open

Bottom: mostly rock boulders + cobbles. Some gravel, a little sand

Cover: deep horizontal crevices + spaces about boulders

Shore: on wide reef sloping to beneath water

Dist. offshore: 30 in. from shore

Depth of capture: _____ Depth of water: to 3 ft.; mostly shallower

Collected by: Carl H. Hubbs + party*

Tide: - 1.8 at about 1530 Date: XII: 9: 1950

Method of capture: debris poisoning successful

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

A few inv. saved, 1 sm. octopus

Party made up of Carl H. Hubbs, G. A. and
Dorothy Allanson, Frank + Sybil Barberish, Charles
and Barbara Snell and Kenneth S. Norris.

All fish saved. 2 qt. jars, 1 - 3 gallon jar,
1-5 gal can (only large fish).
Pools mostly without protecting rock walls, a few low walls. From
pool slightly open to sea, to ans about 2 ft. higher.

✓ Amphigonopterus
✓ 47. ~~Sebastes~~ aurora: 17 ad., presumed. Large school
in an unfished pool, 50-63 mm.

✓ 51. Girella nigricans: 27 yg.-ad., 40-210 mm

✓ 53. Sebastes rostralliger: 5 yg. yg.-ad 123-271 mm

✓ " auriculatus x 2 bl. gr. 190-207 mm.

✓ " chrysomelas x 2 ad. 213-224

✓ 55. Scorpaenichthys marmoratus: 1 yr.

ee over ✓ → Artedius lateralis: 106 bl. gr. ad. One large
50-100 mm adult with a large shrimp in stomach.
g's with ripe eggs. One with digested G. marmoratus.

✓ Artedius creaseri: 1 lg. ad., picked out from
for back in crevice. 65 mm.

✓ Oligocottus snyderi: 7 bl. gr. ad. Ripe g's, green
eggs. 7 (38-65)

✓ " rubellio: 3 lg. yg.-ad ♂ + ♀ 36 (28-39)
g's with ripe cream colored eggs. 28-59 mm

- 55 cm. Orthonopias triacis: 2 hl. gr. -ad., 45-60 mm.
- ✓ Clinocottus analis australis: 28 yg. -ad., 45-115 mm
- ✓ " recalvus: 1 ad. ♂ 56 mm.
- ✓ 56. Liparis mucosus: 8 hl. gr. -ad. - 3 spec. uniform pink; 4 light cream, dark spots; 1 slaty gray, with dark specklings. 31-50 mm.
- ✓ 60 Rimicola ^{dimorpha Briggs} ~~eugenmanni~~: 26 hl. gr. -ad. 19 brown, 6 green with white stripe. 17-30 mm.
- ✓ 61. Heterostichus rostratus: 2 ad. 195-198 mm.
- ^{Gibbonsia} G. elegans ¹¹⁹: ~~28~~ yg. -ad., 22.5-123 mm.
- Gibbonsia metzi: 51 yg. -ad. 45-172 mm.
- " ^{vulgaris} montereyensis (and prob some yg of G. elegans): ~~28~~ ²³⁹ yg. -ad. ♂'s running ripe with cream colored eggs, 24-82 mm.
- ✓ Epigeichthys atropurpureus: 18 yg. -hl. gr. 46-131 mm
- ✓ Xerarges fucorum: ~~18~~ ¹⁷ lg. yg. -ad., 57-129 mm.

Part of collection only, put into isopropyl, 1/10/1952

Artedius lateralis 5(58.5-106) exchange to Nielsen, Copenhagen