

State or County: Baja Calif. Field No. 1150-40

County: _____ Map: _____, 1

Locality: Melpomene Cove, S. end Guadalupe I.

Lat. _____ N., Long. _____ W.

Water: clear, salt

Vegetation: dense growths of Sargassum, Isenia, and other algae and patches of Phyllospadix.

Bottom: large boulders with patches sand

Cover: excellent crevices Temp: _____

Shore: row of boulders at base of lava cliff Current: _____

Dist. offshore: to 200' Stream width: _____

Depth of capture: _____ Depth of water: 15' to 20' where fish

Collected by: Carl H. Hubbs & party from Orca were collected*

Tide: low tide incoming Date: II: 1: 1950

Method of capture: diver's searching by diving + observation

Orig. preserv.: 10% formal + borax Time: 1230-1300

Mollusks + 1 cluburchin preserved

* observed to 40' depth. All fish caught preserved.

Observation with water glass

+ goggles, from surface & down.

24. Gymnathorax maculatus: 1 ad. working on boulders.

35: Paralabrax clathratus: used numbers,

bl. gr. ad. seen, none caught.

48 Eupomacentrus leucurus P. 2 ad. (114-117)

color pinkish brown with bluish black

fines and bluish black narrow borders

to scale pockets. Borders of pectoral fins

bright yellow in even band. Upper end

of gill membrane blue.

35. *Apogon atricaudus* 3(75-85)

Apogon guadalupensis: 3 ad.

Golden orange on lower part of head

and belly. ⁵⁰⁰ Pinkish purple on upper parts

of body and S. peduncle. ~~and~~ a pinkish

brown blotch on 1st D. Pectoral pink

Second D, A, and pelvic with pink

rays and clear membranes. A white

tip on membranes between spine and

1st soft ray of D₂ and P₂ and behind

both A. spines and 1st 3 spines of D.

lips bright orange, C. pink at base.

becoming pinkish brown and finally almost black within the watery pink posterior border.

47. Brachyistius ~~paucatus~~ ^{paucatus}: considerable numbers seen, but none caught. mostly in Eisenia bed, among stalks -

48. Hypopygops ~~rubicunda~~ ^{rubicunda}; 7 bl. gr. ad. (77-158)
Very common to outer edge of rocks.

Chromis ~~parvifrons~~ ^{parvifrons} quadalupae: abundant in midwater over edge of rock area, none caught.

50. Pimelometopon ~~(from pulchrum)~~ ^(from pulchrum): many bl-gr. ad., ~~one~~ ^{one} bl-gr. caught, among rocks.

Oxygulis californica: fairly common in midwater over rocky area.

Halichoeres semiunctus: 2 ads preserved, many among rocks.

51. Medialuna californiensis: none taken.
Very abundant with Chromis in midwater over outer edge of reef.

Girella nigricans: none taken, but common.

53. Scorpaena guttata ^{quadalupae}: several seen on bottom, 2 yr. + 1 ad. caught. 3 (86-199)

61 Uvicola sanctaeosae 2 (111-112)

59 Lythrypnus zebra 3 (22-32) 9.14