

State or County: Baja California Norte Field No. H 50-42
County: _____ Map: _____, 1.
Locality: S end Guadalupe, on line between South
Shuff and East end of water islet [Isla de Añover]
[Morro Sur] Lat. _____ N., Long. _____ W.
Water: clear, salt
Vegetation: _____

Bottom: _____
Cover: _____ Temp.: _____
Shore: _____ Current: _____
Dist. offshore: _____ Stream width: _____
Depth of capture: _____ Depth of water: 44-46 fath.

Collected by Carl H. Hubbs and party on Orca
Tide: _____ Date: II: 2: 1950

Method of capture: 25' dredge (2 hauls made) Second haul
Orig. preserv.: 10% formalin + borax Time: 1047 - 1107 (cable broke)

Dredge caught and recovered
1st haul same area but only 6.50 ft. of line, no fish.
All fish caught in second haul. Two hauls
over same area

55A Chironotus ^{pugetensis} ~~lewis~~ : 1 ad. ♂ + 2 ad ♀

Color note on adult ♂: Blue black anal with gray white margin. Branchiostegal membranes bright lemon yellow posteriorly bluish white ventrally. A row of golden orange spots just below middle sides, discrete posteriorly but united into a wavy longitudinal line on anterior 2/5 of body. Below the spots and below the nodes in the streak are lemon areas. Upper parts are light golden brown with metallic blue white reticulations. Spinous dorsal heavily clouded with blue black, with bars of golden brown on spines. Top of head rather similar. Pectoral is blackish blue on lower parts except on blue gray lower margin. Extreme edge orange brown. A golden bar on upper 2/3 of pectoral base and two weak bars of same color on either side of middle of fin. Top and sides of head much like back. Caudal broadly and indefinitely banded with dusky golden and bluish. Just below midside is a silvery

white band interrupted by the golden blotches described above.

Color of ad. ♀: Similar to ♂ but less intense, with the black on the fins largely confined to a narrow border on the spinous D. C. has about 5 dark bands grading from golden anteriorly to sooty posteriorly. On either side of tip of chin is a dusky golden spot replacing a nearly black spot on the ♂.

quadriseiatus

55. Dehinus ~~dehinus~~, one specimen.

Side of head and pectoral base coarsely blotched with purple. Eye with numerous radii of green and gold. Below mid sides an interrupted silver white streak much as in Chironotus. Above this a discontinuous narrow golden stripe just below lateral line. Upper parts rather dappled with blue gray and dusky, and with light reddish brown saddles with blackish edging. The silver stripe is interrupted by about 4 dusky orange irregular bars. Spinous D. is banded with silver blue and golden. Second D. similar. Caudal finely banded with reddish and blue gray. Pelvics and anal clear. Pectoral yellow amber with a little orange medially.

56. Agonopsis sterletus : 1 specimen, 38 mm.

Blackish green with the C. inky black except for cream tips of rays. The anal inky

Returned
11.9.1951

black with a bluish white blotch. Pectoral has 2 broad sooty purple bars covering the anterior and posterior $\frac{2}{3}$ of fin, except for the bright cream border, and with blotches of the sooty purple on the clear middle $\frac{1}{3}$. Breast and intermandibular region dusky.

See memo of III: 2: 1950 ^{found to} ~~Freeman (St. Paul)~~ III: 3: 50.

59. Lythrypnus artifascia: 1 spec.

Intense yellow orange on body and C. fin. The latter with light blue upper and lower borders. Bars in front of head brilliant blue. D. spines blue gray. Second D. pale orange with trace of darker edge. A. with brilliant blue even edged basal stripe. A. paler blue margin and a broader lighter orange band between. Paired fins and branchiostegals very pale bluish.

59A Lythrypnus dalli 1 (23)

Gobiesox PARATYPES II (11-21)

60A ~~Sicyopterus~~ eugrammus: 8 specimens

mostly picked off vegetation. A smallest specimen with anterior half rather dirty red, posterior half translucent yellow amber. Another specimen with anterior half bluish gray, posterior half lemon amber. Both with golden orange specks on top of head, grading into dashed lines on body. D. fin dusky on basal part, blackish near

tip, amber between. C. rich brown
becoming black inside the whitish
border. One of medium sized
specimens purple on anterior
half of back, lemon yellow on lower
sides of head and in light bars
posteriorly. Most specimens have
a light yellow band at base of
C, and D. and A. more or less
blackish.

(15-11) 11 PARATYPES
20A *Paratyphlops* *paratyphlops* (15-11)

20B *Paratyphlops* *paratyphlops* (15-11)

20C *Paratyphlops* *paratyphlops* (15-11)

20D *Paratyphlops* *paratyphlops* (15-11)

20E *Paratyphlops* *paratyphlops* (15-11)

20F *Paratyphlops* *paratyphlops* (15-11)

20G *Paratyphlops* *paratyphlops* (15-11)

20H *Paratyphlops* *paratyphlops* (15-11)

20I *Paratyphlops* *paratyphlops* (15-11)

20J *Paratyphlops* *paratyphlops* (15-11)

20K *Paratyphlops* *paratyphlops* (15-11)

20L *Paratyphlops* *paratyphlops* (15-11)

20M *Paratyphlops* *paratyphlops* (15-11)