

State or County: Baja California Field No. 2450-69
County: Southern District Map: 1
Locality: San Ignacio Lagoon, W shore of North
Whale Island
Lat. N, Long. W.
Water: salt; mod. clear
Vegetation: in part through thin short red grass; a little
algae; sparse dwarf *Ruppia* etc.
Bottom: rather soft muddy sand to fine sand, some boulders
Cover: relatively little Temp: mod.
Shore: narrow to broad tidal flat; narrow sand beach. Current: very little
Dist. offshore: 20-300 ft. Stream width:
Depth of capture: Depth of water: to 5 ft.
Collected by Carl L. Hubbs, Martin W. Johnson, A. A. Allanson
Tide: outgoing to low Date: II: 11: 1950
Method of capture: 25' bag, 1/4" mesh in bag, seine
Orig. preserv.: 10% form + borax Time: 0900-1200
+ observation II: 9-12: 1950

All saved except yg. of commoner species.
A few invertebrates added to shore collections.

5. *Carcharias* sp. : 1 ad. about 2 ft. long seen

5. *Triakis semifasciata* : 1 hl. gr., preserved.
at least one other seen.

6. *Urolophus halleri* : 11 ad., preserved. Large
numbers seen. The bottom was closely
pitted with ray burrows large + small.
11(120-174)

Dasyatis digitata? : Several large
sting rays, 2-3 ft. across were prob.
this species.

Gymnura marmorata : 1 ad. seen by
Allanson

Holorhynchus californicus : seen. ad. seen.
S. snout broadly rounded (unlike *Guadalupe*
form). Underside of wings entirely light
(seen in 1 spec.)

23A *Hyporhamphus rosae* : 18 hl. gr. - ad (71-112)

Bill greenish black with sooty pink tip,
hardly evident in some.

27. Fundulus parrispinnis: 20 hl. gr. - ad.

21 Spec. from 150-67 and 69, 33.5-59 mm

34. Sphoeroides lobatus (St.): 3 ~~yr~~ hl. gr. - ad., 60-134 mm.

Loaned
to Boyd W.
Walker
17:12:1954

No bright colors excepting golden orange eyes. Light areas blue-gray to tan, dark areas sooty. A little trace of yellow along ventro-lateral ridge in 2 larger specimens.

40A Mugil cephalus: 117 querimanas. (22-25 mm)

Atherinopsis californensis: series of yg (15.5-40)

Atherinops affinis: littoralis x magdalenae

Series yr. - hl. gr. 102, 54-110 mm.

41A Encinostomus argenteus: ser yg (11.5-41.5)
dowii

60-103 mm

57. Syngnathus auliscus: 34 hl. gr. - ad., 1
incl. ♂'s with eggs. There are 2 main color types, one zosteria - green with lower parts incl. lower anterior parts of opercle silver. The incl. lower half of opercle silver. The contrast is very sharp between upper bright blue part of opercle and the lower brilliantly silver part with almost no dark blotching. Some of the darker brown to blackish specimens have the lower part of the opercle blotched with dark or dark with light specks. There is often a dark stripe narrow to broad down the mid-ventral line of the trunk. The green specimens have fine wavy sub-horizontal lines. Several specimens have conspicuous black specks between the rings along the ventro-

lateral keel, and some have such specks also along the D. keels. Some of the tan and brown specimens have narrow light crossbars dorsally, many have conspicuous light specks on head and body. One has numerous dark cross-bars, broken up by conspicuous light specks. There is usually a rather conspicuous dark streak in front of eye.

Syngnathus ~~gambianus~~ leptorhynchus:

1 yr. Dark purple brown on lower parts and sides becoming grayish dorsally; with a multitude of light specks. 1(76)

59. Glynnus gilberti : 1 subad.

59A Quinctula y-cauda : } yg. - br. ads. 20
18(15-42)

• 60. Porichthys myriaster : 1 lg. yg., 54mm.

61. Parachanna sp. : 2 h. gr. - ad.
one purple black, the other pinkish

Exocoetis asper : 2 ad.

Asterostichus rostratus : 1 yg. (28)

64. Paralichthys californicus : 24(32-108)
ly. yg., 9 R.; 15 L., Counts taken on L's.

MSD-69

Hyposoritta g. guttata : 4 yg. - ad.
Counts taken 4(31-171)

Pleuronichthys ^{ritteri} ritteri : 1 h. gr. Counts
taken 110 mm.