

Sta. No. H48-90

Locality: Baja California: shore of Abasco's Anchorage
just NE. of point.

Lat. $26^{\circ} 42' 37''$ N.; Long. $113^{\circ} 34' 05''$ W. (USCGS chart 1294, 1921)

Water: clear, salt

Vegetation: much Phyllospadix and algae on rocks

Bottom: rock and sand

Temp.:

Shore: sand beach and rock reef

Current: waves to 3 ft.

Distance from shore: over flat reef

Tide: incoming

Depth of capture: near bottom

Depth of water: to 8 ft.

Method of capture: spearing with gizzles and flippers

Collected by: Herbert Mann

Date: II: 15: 1948

Orig. preserv.: 10% form + borax

Time: 900 - 1130

↙ Heterodontus Francisci 1 (442)
5. Carcharias sp.? : 1 shark of about
8 ft. seen.

Triakis semifasciata : several seen
one speared (over sand), not preserved.

35. Paralabrax nebulifer : common, 6 ad.
speared, not saved.

Epinephelus analogus : 1 large ad.
caught by Mexican along same reef
for lobster bait, but given to
Frank Vaughan.

44. Anisotremus davidsonii : 2 ad. speared,
one preserved. Very dark.

47. Embrioloca : 3 ad. all saved.
hips largely yellow.

48. Hypopyrops rubicunda : common
(several seen by CLH) but none
speared, because adequate sample
was poisoned.

50. Pinelometoxon pulchrum : 2 ad. speared,
not saved.

51. Girella nigricans : 6 ad. speared, none
saved. Very robust and interspinal
membranes of D. largely yellow.

Hermozilla azurea : reported abundant,
one small adult speared, not
preserved.

64. Paralichthys californicus. 1 ad. Eyes L.
not preserved.

D. $66 + 6 = 72$; A $48 + 7 = 55$;

C. $8 + 7 = 15$; P, ii, 8, ii (=12) —

xii (=12)

(counts put in file)

~~748-90 A.~~

H 48-90 A.

II:16:1944

Observations and spearing on reef
at Abrejos Pt., by Carl L. Hubbs and
Herbert Mann.

Speared between 0930 and 1005 by
Herbert Mann.

Saw, wrasses, *Hermosillas*, *Saribaldi*, diamond
flounders, round stingray

50. *Pseudonotopus pulchrum*: 1 ad.

51. *Squilla nigricans*: 1 ad.

Hermosilla azurea: 1 sm. ad.

64. *Paralichthys californicus*: 1 sm. ad.

~~Saw~~

1200-1235 Observations by C. L. H.

~~no sharks, rays, nor flatfish seen~~

35. *Paralichthys clathratus*: 1 hl. gr.

44. *Anisotremus davidsonii*: large school
of yg., similar to those found at
Bocana.

47. *Eubiotoca*: a few sm. ad.

48. *Hyporhamphus rubicundus*: a few seen

50. *Pseudonotopus pulchrum*: 1 ad.

Halichoeres semicinctus: yg. - sm. ad.,
common

Oxygaster californica: a few half
grown in the schools of *Halichoeres*

51. *Hermosilla azurea*: hl. gr. - ad. common.
Many with bars very weak. Some with
a median broad diffuse yellowish
streak.

Squilla nigricans: hl. gr. - ad., common in
loose schools, looking and acting
much as in Calif.

Much coralline algae and a considerable
growth of *Eisenia*.

1310-1325 C.L.H. and Herb Mann with spear

35. Paralabrax nebulifer : 1 ad speared,
Several bl. gr. seen.

44. Anisostremas davidsonii : sev. seen,

46. Percadar stearnsi : 1 speared, ^{out of rather} _{lg. school} preserved
with collection of Feb. 15, ~~or~~

47. Embiotoca : considerable
numbers of bl. gr.

48. Hypoglossus rubicundus : sev. including
one large ad.

1450-1505 C.L.H. observation

5. Heterodontus ~~fasciatus~~ : 1 sm. ♂
caught in hands, ab. 8 ft. deep
on sand bottom in crevice ab. 4"
wide between 2 rock ledges, saved.

6. Urobutis halleri : sm. to lg. ad. common
mostly over sand but over rocks also
In water 18" to 5'.

35. Paralabrax nebulifer : 1 lg. ad. in
about 7 ft., among rocks.

47. Embiotoca : sm. to lg. adults,
fairly common.

51. Stenozilla azurea : sm. numbers
Squilla nigricans : large droves.