

Field No. 248-309

State or Country: Mex. Baja Calif.

County:

Locality: Reef ab. $\frac{1}{2}$ mi. N. of Madero Pt. Light, N. of Ensenada, at temp. Sta. 14

Lat. $31^{\circ} 52' 15''$ N., Long. $116^{\circ} 41' 0''$ W. (Map: U.S. Hydrog. Ch. 1149, 1939.)

Water: clear, salt, much plant fragments floating in water.

Vegetation: heavy *Thyllospadix* in all enclosed pools and in channels

where waves were breaking through. *Egeria* in lower pools. Some *Macrocystis*;

Bottom: rocky ~~with~~ most pools. Sand in some. Mud brown, red & coralline algae.

Cover: fair crevices, vertical & horizontal. Temp: 14.26°C in outer water at end of fishing.

Shore: outer edge of reef cliffs. Current: some pools cut off; some channels

Dist. offshore: about 6 pools are 100 sq. ft. Stream width: sand pools covered with surf

~~Depth of capture~~ Pools from ocean level to 1 ft. above Depth of water: to 3 ft.

Collected by ~~cube root poisoning~~ C. H. & C. H. Hulse, John D. Jacobs, Ricardo

Tide: -1.2 at 1530 PST. Date: XI-30-1948 Esquerre

Method of capture: cube root poisoning

Orig. preserv.: 10% formalin + borax Time: 1400-1700 PST.

Poison rather weak, but fish killed in enclosed
pools.

All saved except Girella

2 tips of Macrocystis saved. Checked by C. L. W. as M. integrifolia Bory on XII:1:1948 & sent to E. Kela Dawson at Hancock Foundation for recheck. Considerable nos. of plants above ± 1.0 ft. tide level. Holdfasts loose; growth delicate; plants small.

Species List.

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26. Gymnothorax mordax: 1 hl. gr. observed,
beside crevice; not collected; in connected channel

40. Atherinops affinis cedroscensis 5 (53-57)
In pools and channels open to surf.

47. Micrometrus minimus: 4 ad; in pools
and channels open to surf, 49-68 mm.

51. Girella nigricans: 3 hl. gr. preserved; 49 hl. gr.
to ad discarded. ^{To A. Reuther UCLA}
_{To Marumland} ^{March 1949 F.T.} (43-83)
XI. 1957

55. Clinocottus analis australis: 22 sm. to lg. ad.
Mostly in enclosed pools. (61-94)

56. Ahiparis mucosus: 1 hl. gr., in small, weedy low
pool. (25)
(13-25)

60. Rimicola eigenmanni: 10 yg. - ad. in all pools.

1 green, 1 red, and shades of brown. Must p.
have been many, many more. checked ⁱⁿ _{VI. 13. 53} ^{Si. 14.}

[Aytridens rhesodon: 1 sm. ad, under stone upper area;
⁽³⁵⁾ ^{very little water; not poisoned}

61. Heteostichus rostratus: 15 hl. gr. - ad. In all

Gibbonsia metzi: 1 hl. gr. 1 (58)

over (Gibbonsia elegans elegans: In all pools.

Gibbonsia elegans: 2 ad. *

Paraclinus integripinnis: 11 yg. - ad. In weedy

pools. 1 yg., all black with white tail. 1 yg.

all white with black tail. One ad, ^{ivory} white,

and various other color combinations

61 Xerorpes fucorum: 3 hl. gr.; ² in enclosed pools.
3 (75-82)

The 2 odd gibbonias were in bright
coralline phase, with combination
of stripes & bars. Combination of
short head, high D spine & spot-range,
long D₂, etc., seem to clinch
identification as ~~big form~~
quiet-water form. Pair of prominent
cream spots on edges of C. (about
duplicated in some others.

D. e. elegans plain to barred
striped; green through brown to
coralline.