

State or Country: Mexico: Baja Calif. Norte Field No. SI063-1051

County: _____ Map: H. O. 1043, 1959

Locality: Salt marsh potholes (pools) - at north-west corner of salt marsh at north west end of west arm of San Quintin Bay.

Lat. 30° 27' 20" N., Long. 116° 02' 08" W.

Water: (Salt) Partly cloudy, visibility to 2 ft. (approx.)

Vegetation: Fine filamentous green algae floating and on bottom.

Bottom: Mud

Cover: Sparse - algae, some cut banks Temp.: _____

Shore: Salt marsh - Salicornia

Current: Stagnant to very sluggish

Dist. offshore: 20 ft.

^{Pond}
~~Stream~~ width: Up to 50 ft.

Depth of capture: Up to 18 in.

Depth of water: Up to 18 in.

Collected by B. J. Zaluznes, C. J. Bungardner; G. M. C. Shane.

Tide: Spring low

Date: 30 Nov. 1963

Method of capture: 20 ft. "Common Sense" Minnow Seine

Orig. preserv.: 10% Formalin Time: 1530 P.S.T.

* Field Number - S. Q 63-5

8A, Engraulis mordax mordax Girard: 2,
64.5-70 mm.

27 A. Fundulus parvipinnis parvipinnis Girard:
28 spec., yg. - ad, 17-39.2 mm.

40 ^C ~~A~~ Atherinops affinis littoralis Hubbs
affinis (ages): 1 yg., 39.2 mm.

40A Mugil curema Cuvier: 129 yg. 50.5 mm.

40B Cephalus tinnaceus: queremana stage 3
19.5-24 mm.

59A Gillichthys mirabilis Cooper: 2 yg. - 1 ad.
138-66.1

Field notes on back.

Collecting site was two ponds near both the camping site and the ocean, though separated from the ocean salt marsh and large sand dunes.

The larger of the two ponds, about 200 x 50 ft. maximum dimensions and irregular in outline, did not seem to have a permanent stream flowing from it. The second pond, circular in shape and about 15 feet in diameter had a small stream flowing in as well as on draining it. In both ponds the water was salty.

The two anchovies as well as the mudsucker came from the second pond. One of the anchovies was found dead (obviously recently died) at the edge of the pond.

The anchovies had probably either swum up the stream or, more likely, in light of collection no. SI 0 63-1053 (which see) and in light of observations ~~at~~ during the spring high tide, ^{they} were trapped in the pond by the retreat of the high tide. The most abundant fish in both ponds was Fundulus of which most were returned to the water. The largest were in the second pond where the large females were ripe with eggs.

B. J. Z.