

State or Country: Mexico, Baja Calif Norte Field No. SI063-1053
 County: _____ Map: H.O. 1043, 1959
 Locality: Tidal Stream in salt marsh, north west corner of north west end of west arm of San Quintin Bay.
 Lat. 30° 27' 17" N., Long. 116° 02' 00" W.
 Water: (Salt) partly cloudy - visibility to 3ft.
 Vegetation: Masses of floating dendritic green algae trapped in nets set in stream. Salicornia and Spartina in marsh.
 Bottom: Mud, some gravel areas.
 Cover: Very sparse, some cut banks. Temp.: _____
 Shore: Salicornia - Spartina marsh Current: Moderate (outflowing tide)
 Dist. offshore: _____ Stream width: Up to 25 ft
 Depth of capture: Up to 12 ft. Depth of water: Up to 12 ft (during high water)
 Collected by K. W. Radford & Party (See SI063-1047)
 Tide: Falling to Spring Low Date: 1 Dec. 1963
 Method of capture: Rotenone - by hand, seines, dip nets.
 Orig. preserv.: 10% Formalin Time: 0930 - 1130 P.S.T.
 * Field Number - SQ 63-7

61A	<i>Paraclinus walkeri</i>	4 (17.5-32.5)
40A	<i>Mudil cephalus</i>	23 (20-164)
8A	<i>Engraulis mordax mordax</i>	3 (66-84.5)
64A	<i>Hypsopsetta guttulata</i>	7 (10-173)
40B	<i>Atherinops affinis</i>	9 (17-29)
46A	<i>Seriplus politus</i>	1 (37)
59A	<i>Quietula y-cauda</i>	22 (8-14)
59B	<i>Gillichthys mirabilis</i>	4 (8-11)
57A	<i>Syngnathus griseolineatus leptorhynchus</i>	10 (57-167)
55A	<i>Leptocottus armatus australis</i>	5 (78-125)
27A	<i>Fundulus parvipinnis parvipinnis</i>	72 (21-80)
64B	<i>Paralichthys californicus</i>	24 (59-187)
40C	<i>Mudil curema</i>	271 (39-72)
40	<i>Atherinops affinis littoralis</i>	1895 (23-122)
		discard

Field notes on back.

Collecting site was a tidal channel of which the stream mentioned in the field notes for site no. SIO 63-1051 was a tributary. Most of the fish were taken by a 150 ft. bag seine and a 30 ft. bag seine spread across the main channel and a main tributary, respectively. The very smallest fish (including a flatfish about $\frac{1}{4}$ in. long) were taken by hand using a small dip net. The nets were spread and staked while the marsh was flooded and kept in place until the water level in the streams had dropped more than 4 feet, rotenone having been spread upstream in the meantime.

One of the fish taken is an ambicolorate, slightly deformed flatfish. (Paralichthys californicus)*

In addition to the fish that were kept, large numbers of mullets and jacksmelt were left. A. J. Stover also reported seeing several leopard sharks, Mustelus, of the kind taken in the bay on a previous survey, but none of these were captured. They were about 3 ft. long. Also seen by Stover, who failed in an attempt to capture it, was a round sting ray with a disc diameter of perhaps 1 ft.

B. J. Z.

* The series of Paralichthys californicus includes, in addition to the ambicolorate specimen with "hooked" dorsal fin, a left handed specimen with the left eye missing (the area is scaled over). The ratio of left handed to rt. handed is 10 left handed to 14 rt. handed.
B. J. Z. & C. L. H.