

Sta. No. H47-169

Locality: Calif: at end of SIO pier.

Lat. ° 'N.; Long. ° 'W. (USC & GS chart, 19)

Water:

Vegetation:

Bottom:

Temp.:

Shore:

Current:

Distance from shore:

-0.2 at 0008 hrs
Tide: 10:1X:47

Depth of capture: Surface

Depth of water:

Method of capture: Dip net with light at night

Collected by: J.L. McHugh & W.M. Geron Date: 9:1X:47

Orig. preserv.: 5% formalin & borax Time: 1930-2200 hrs.

Engraulis

8A Allengraulis m. mordax - 1 yg. (89)

The young of this species may be recognized by a definite reddish sheen along back and sides while swimming.

Strongylura 1(171)

23. Fytosurus exilis - 1 half grown

40. Leuresthes tenuis - 8 yg. (35-83)

57. Syngnathus spp. - 11 yg to adult.
11(89-270)

23. Cypseturus californicus - 1 ripe ♂
(milt running)

40. Atherinops affinis littoralis - very numerous - about a dozen caught (adults) - not saved.

No larval or post-larval fish seen. The adult Atherinids appeared as soon as the light was put down, and the absence of early stages is probably due to this cause. It has been observed previously that if young stages appear early in the evening they gradually disappear when the larger fish come to the light. In this case the adult Atherinids were observed taking young grunion at the surface and also rising to take worm larvae etc.

The flying fish appeared about 10 min. after the light was put down, and no more were seen. As is usual, Cypselurus, came in slowly with pectorals and pelvics extended, and was easily taken with a dip-net.

J. W. J.