

Sta. No. H 47-204

Locality: Baja Calif. Point 1400 meters S. of the Mouth of
Rio Santo Tomas, Pools at S. tip of Point

About midway between Pta. Clara and Pta. China

Lat. ° 'N.; Long. ° 'W. (USC & CS chart 1044, 19 18)

Water: Clear salt

Vegetation: Mostly Eucalyptus; some patches of *Chlorospadix*, some
coralline algae.

Bottom: Bedrock and boulders, some gravel Temp.: cold

Shore: Lava + Conglomerate Cliff backed by desert plain Current: some inflow
in all pools

Distance from shore: Pools at edge of cliff. Tide: low (-1.8 at 16.00)

Depth of capture: To 4' Depth of water: To 5'

Method of capture: Derris root + dipnets

Collected by: Carl A. Huber + Paul G. Allen Date: XII:28:1947

Orig. preserv.: 10% form Time: -17:00

An interconnected series of pools at the base of the cliff at the tip of the point was poisoned.

These pools all had some inflow of water at its lowest tide. This inflow was very limited and did not impair the effectiveness of the poison. Pool 3 was at the base of the cliff and pools 1 and 2 were directly out from it. Pool 4 was slightly out and beside Pool 3.

Pool 1 was connected to pool 3 which was ~~can~~ connected to pool 4 by a narrow channel. Pool 4 in turn was connected to Pool 3. Pool 1 was an elongate pool with 2 "bays" the main pool was 15' x 6' and each "bay" was 6' x 4'. Pool 2 was round 10' x 10'. The maximum depth in these two pools was about 2 1/2'. Pool 2 was connected to Pool 4 by a narrow channel 6' x 1 1/2' and 1' deep.

Pool 4 was about 10' x 10' with a maximum depth of 3½' it was actually an arm of pool 3.

Pool 3 was 25' by 15' with a maximum depth of 5'. Pools 1 and 2 were choked with Egretta. Pool 3 was about ½ Egretta and ½ Chalorpadis. Pool 4 had much open water and Chalorpadis although the majority of the pool was Egretta. There was some coralline algae here. Pool 3 had many excellent and deep crevices. The remains ~~had~~ good but shallow crevices.

Snapping shrimps heard.

47 Amphiprionopterus aurora: ⁵⁰⁽⁵³⁻¹⁴⁷⁾ ~~47~~ small to large adults. Almost all of these were from the open water in pool 3.

47 Embiotica jacksoni 1(195) ← (def. rubellus type) : 1 large ad ♀
general color dusky olive with very conspicuous blue spangles, lips very fleshy and all dirty yellow except for dusky spot at posterior end of upper lip. Entire chin yellowish, black marks at end of interspersions dorsal

53 Sebastes chrysomelas: 1 half gr.

← membranes conspicuous. Caudal fin pale yellowish light areas dirty yellow, yellowest on upper sides dusky on sides of trunk. Dark markings of fins black almost jet black on dorsal D, where the light markings are lemon. The fins dusky.

55 Stoerpeichthys marmoratus 1 mature ♀
with deep purplish pink ova. Dorsals of mouth
and lower anterior parts strongly blue green
darker areas are reddish brown, lighter markings
vary from tan above to be greenish below.
1(305)

Artedius lateralis : 6 half gr - ad; 7 (71-110)
55 Oligocottus retellii : 3 ad. one had large inter-
connected wedges of coralline red. ~~5(31-41.3)~~

55 Stialarchus snyderi : 1 sub ad
55 Clinocottus analis : 3 half gr. 2 (75-79)

55 Monte ^{Clinocottus} recalvus : 1 lg yg. (28)

55 Oligocottus snyderi 4(41-60) 5(31-41.3)

56 Liparis mucosus : 4 half gr. one almost uniform
coral red with venter darker saddle under D₂;
caudal with a fine dark bar at base; and
fine cross bands; The disk is cream, lower
pectoral rays lighter. Tail tan, one has numerous
black spots posteriorly and the other has none;
(and anterior upper part.)

lower pectoral rays and disk cream. The last one
is olive yellow on trunk, grading toward blackish
on dorsal and anal fin posteriorly, with
broad black band on caudal base, edge
of D₂ and A pinkish, caudal pinkish with
fine bars. Pectoral pink becoming whitish
on lower rays. Chin bearded. Nape with large
dark centered tan areas.

60 Pinnicola eigenmanni 4 small. none green.

- 61 Neobrochilus rostratus (small raised, 3 legs, antenae quite good). one purple fish had purple red while greenish fish had whitish red.

Gibbonsia metzi: 6 lg yg - ad.

Gibbonsia montereyensis: 36 yg - ad. coralline phase dominate. ground color coral purple, with about 3 vertical bands of blackish lined in white. These bands are often interrupted. Many ^{silver} white spots behind pectoral. Head with typical radiating bar. Snout with coral band down middle. Tips of coria coral, underside of head white mottled with purple brown. Many silver-white spots besides plain white ones. These silver white ones chiefly on mandibles and dentary. Belly white with coral blotches. Dorsal deep purple with very numerous windows. Caudal semi banded and blotched on rays. Ventral colorless. Anal Banded with 11 bars of dark purple and an intermediate bar of pinkish cream. P₂ banded with 3 ^{dark} purple bars, rest cream. P₁ banded with dark purple and with yellowish interspace membrane colorless. Green phase Ground color green with dark purple blotch behind P₁. Dark line along middle of body. Head dark above lighter below. with double streak from eye down to head of mandible. Belly whitish green. Fins all greenish, caudal and posterior ends of D + A are yellowish green. P₁ tipped with pinkish. Dark phase ~~the~~ ground color either red or brown, an ocellus above P₂ ~~green~~. Under sides lighter; double streak

may or may not be present. D solid color with window
possibly present behind 3rd spine and on end of fin.
Light bar $1\frac{1}{2}$ way out on caudal. A generally dark with
faint trans of bar. P₂ dark with pinkish tips.
P₁ barred with lavender. Silver bar phase. In any
of the above phases there may be a silver bar
behind P₂. This bar is most common in young and
may extend almost to caudal. After the
juvinal may be barred in a darkish phase, in
this case the caudal shows a $\frac{1}{2}$ streak of light
 $1\frac{1}{2}$ way out.

Gibbonsia elegans 7 by yg to by ad.

Epigeichthys atropurpureus 1 by.

Xeraper fucorum 9 by - ad. ♀ + ♂ mostly brown.

61	Heterostichus rostratus	1 (176)
61	Gibbonsia metzi	48 (38-164)
61	Gibbonsia metzi	13 (51-184)
61	Xiphiaster atropurpureus	1 (143)
61	Xeraper fucorum	7 (69-144)