

Copied for CAS

VII: 9: 1946

Sta. No. H45- (137)

entrance and channel ~~entrance~~

Locality:

California: Newport Bay off Balboa

Lat. $33^{\circ} 36' 0'' - 30''$ N.; Long $117^{\circ} 52' 40'' - 53' 20''$ W. (USC & GS chart 5108, 1936.)

Water: salt, clear to muddy

Vegetation: heavy stand of eel grass in most places, much of it too thick to seine through

Bottom: firm to soft sand, some mud, some stones and boulders

Shore: narrow beach

Current:

Distance from shore: ~~narrow~~ ab. 75'

Tide: -0.5 at 5:30 A.M.

Depth of capture:

Depth of water: ± 5 ft.

Method of capture: $25' \frac{1}{4}''$ bag seine

Collected by: Carl H. Hubbs + party

Date: VII: 9: 1945-

Orig. preserv.: 10% formal + borax

Time: 5:30 - 9 A.M.

The following

Given to Steinhart Aquarium:

* Corrected for time and location.

Paralabrax maculatofasciatus: bl. gr.

Paralabrax nebulifer: bl. gr.

Paralabrax clathratus: yg. only

Ayjiulis californicus: 1 only (largest caught)

Heterostichus rostratus: most of collection, more than 100.

Hypsoblennius gilberti: 1 ad. ♀

Umbrina roncadore: 1 bl. gr.

Symphurus atricaudus: sev. yg.

Siboniscus elegans ^{sinus n. sp.} elegans:

Sitarichthys stigmaceus: 1 ~~♂~~ ♀ bl. gr.

Only

species discarded several
Cymatogaster aggregatus

51. Sirella nigricans: 1 bl. gr.

27 Fundulus p. parvipinnis : ³² a few yg.
CAS 19511 to hl. gr., mostly up toward muddier
bottom, 28-41 mm.

35. Paralabrax clathratus : about 20 yg.
CAS 19509 of year mostly to Steinhart aquarium
5 preserved 31, 29, 30, 20, 27 mm.

Paralabrax nebulifer : sev. yearlings,
all to Steinhart

Paralabrax mantalopasciatus : a few
yr. and 1 hl. gr. to Steinhart app.

40. Atherinopsis c. californiensis : 1 yg. ff.

40 Atherinopsis affinis : a moderate
~~etc etc~~ series, yg. - ad. again seemingly
intergrade. (discard)

CAS 46. Seriplus politus : a few yg (8)
19514 Umbrina roncadore : 1 hl. gr. to Steinhart ^{23-37 mm}

47. Embiotoca jacksoni : a sm. series of
large yg. mixed with 128 by R.R. Itom

CAS 19531 Cymatogaster aggregatus : some
discarded, moderate series of small
adults saved. 50 spec, 51-92 mm.

Micrometrus minimus : moderate
CAS 19529 series, sm. to large ad. all saved
60 spec. 38-113 mm.

50. Aggulus californicus : 2 sm. yg.
CAS 19513 preserved, one slightly larger to
Steinhart. Only 1 found, 25 mm.
V. 11. 9. 1946

51. Eurella nigricans: sev. yg.

CAS 19510 preserved, mostly from about and
 388' rather near pilings. 1 hl. gr. from
 33-43' near rocks to Steinhart.

55. Leptocottus armatus australis: 217
 rather lg. ser. ~~4~~ hl. gr. - ad. common
 around sandy to muddy bottom,
 all saved.

57. Syngnathus ocellatus: 4 hl. gr. to ad.

520
 all
 Syngnathus
 Pale tan and slaty to almost black
 with widely spaced light rings ^{more or} ~~less~~
 less conspicuous. One with rather
 prominent mid-ventral dark streak
 on trunk. Lower part of opercles nearly
 plain to gilt with strong silvery spots.
 None with streaked pattern.

Syngnathus ^{exilis} heraldi: 1 ad. ♂, olive-
 green with numerous whitish blotches
 most conspicuous as light semi-circles
 or streaks cut off by ventro-lateral
 keel. ~~and~~ Entire belly between
 ventro-lateral keels nearly uniform
 whitish with gilt and green reflections.
 Lower part of opercles with very indistinct
 light specks. Back with broad cross
 bands of light dots, more conspicuous
 on tail than on trunk.

Syngnathus griseolineatus barbare:
 large series yg. to ad., including

pregnant ♂s. Predominantly green but
varying from tan to light and dark purplish.
Some almost yellow. Most of yg. and
hl. yr. and some ad., with mid-ventral
dark streak on belly. Nearly all with
prominent light spots or dark reticulations
on lower part of opercles. Many in streaked
phase, but with concentric patterns about
neutral plates very seldom developed and
when developed either indistinct or in a
finer pattern than in californiensis. Usually
much speckling, particularly on back.
Light spots on sides just above ventro-
lateral keel seldom approaching those
of heraldi in distinctness, and when rather
strongly developed tending to occur below
as well as above the keel. Light cross bars
almost always either less conspicuous or
closer together than in californiensis.

Syngnathus californiensis californiensis:
2 ~~large~~ adult ♀s. Both in streaked
phase with markings concentric around
neutral plates. Markings on lower side
of opercle weak in one, rather strong
in other, essentially lengthwise
in both. Light elliptical markings along
the keels. General color greenish in one,
grayish in another. No light cross
streaks.

59. Ellymus gilberti : 3 ad. 29-31 mm
CAS 19512

60. Porichthys myriaster : 3 ad., one dead.
on beach. One specimen grunted
rather loudly in net. Mac Ginitie reports
that the indigenous people scoop out hollows
and breed under stones along W. side
of N. arm of bay. He has observed them
burrowing in mud of eel grass of region
but does not know the reason.

61. Hypoblennius gilberti : 1 ad. ♀
reared near rocks to Steinhart

(82.5-106) R.J.K. Feb 59
Hypoblennius gentilis : 3 ad. ♂♂,
olive, ~~bluish~~ ~~recess~~ with light
blue reticulations and spots. ~~Bar~~
Dark bars more or less broken up
and truncated about half way between
back and fine-dashed axial
line. Tip of chin tan. Elliptical
spot on dorsal black with silver-
blue overlie, immediately bordered
behind by ruby and with more or less
the same ruby color in a lengthwise
streak on each of the few succeeding
membranes. Considerable green in
dorsal and caudal fins. Tip of pelvic
tan.

61. con. Sibbonsia ^{sinus m. sp.} elegans: a few yg.-ad.

CAS 19340 Heterostichus rostratus: a few preserved, 100 to 200 alive to Steinhart, yg.-ad.

53 yg.-ad.,
33-151 mm.

~~59 Stygnus gilberti: 2 ad.~~

64. Symphurus atri candax ^a ^{bl 478 mm SL.}: 1 yg. preserved,
CAS 19340 ^{loan To UCLH 11.12.54} ^{received 11.6.1956} sev. yg. to Steinhart.

CAS 19340

Pleuronichthys utteri: 1 yg., 35 mm.
Counts taken

590 Hypozsetta g. guttulata: sev. 2 yr.
4(9.3.5-165)

Citharichthys stigmaeus: 1 bl. yr. to Steinhart.

590 Paralichthys californicus: 3 yg. +
1 bl. yr. (discarded) (preserved)

■ 3(37.5-59)