

Sta. No.

H47-73

Locality:

Baja California: San Quentin Bay, 1/4
mi. S.E. of Pier.

Lat.°

'N.; Long.°

'W. (USC & GS chart

, 19....)

Water:

Vegetation:

Bottom:

Temp.: 64°

Shore:

Current:

Distance from shore:

Tide:

Depth of capture:

Depth of water:

Method of capture:

Collected by:

Carl Z. Johnson + party

Date:

IV-21-1947

Orig. preserv.:

Time:

55A Leptocottus armatus

16 (24.5-42)

2 ~~58 (24.5-55.5)~~ R.J.K.
74 (24.5-55.5) Feb '5964 Hypsopsetta guttulata58 (14-74) ~~34 (19-74)~~ R.J.K.
18 (29-63) Feb '59** 64A Paralichthys californicus

3 (31-67)

59A Ilypnus gilberti

6 (14-35)

59B Gillichthys mirabilis

134 (19-89)

59C Gobionellus longicaudus

1 (38) *

59D Clevelandia ios

53 (17-34)

59E Quietula y-cauda

13 (31-40)

27 Fundulus parvipinnis

183 (27.5-74)

** Gift To Univ. of Miss. Dec '78

* Cleared & stained by D. Hoese.

Carl Johnson

Sun. { San Quentin bay
Pipefish 2 jars
 $\frac{1}{4}$ mi N & W of
graveyard. + big jar

Mon. { 3 jars - $\frac{1}{4}$ mi S & E
of pier

Temp 68° Sun
64° Mon.

right of granic ran
air temp 49
water 54

NORTHERN CHANNEL
ISLAND EXPEDITION

W: 24 - V: 1
1947

H47-74-96

TIDES - Ref., Los Angeles Harb.

IV:25	14 10	3.0	6 49	-0.6
Fri.	..	..	17 23	2.7
IV:26	0 00	5.1	8 14	-0.5
Sat.	16 08	3.3	19 14	3.1
IV:27	1 24	4.8	9 35	-0.5
Sun.	17 09	3.7	21 43	2.9
IV:28	3 06	4.5	10 42	-0.6
Mon.	17 47	4.1	23 03	2.3
IV:29	4 32	4.6	11 34	-0.6
Tue.	18 19	4.5	..	..
IV:30	5 39	4.7	0 00	1.6
Wed.	18 47	4.9	12 16	-0.5
V: 1	6 35	4.7	0 47	0.9
Thur.	19 13	5.2	12 53	-0.2
V: 2	7 24	4.6	1 28	0.3
Fri.	19 39	5.5	13 25	0.2
V: 3	8 09	4.4	2 07	-0.2
Sat.	20 04	5.6	13 51	0.6

Tidal differences: Sta Cruz Id., +25m; Sta Rosa Id., +35; S. Miguel, +20
 Ratio of range, low water, 0.9

MARINE MAMMALS

Except for sea lions the first marine mammals seen were 8 small porpoises, Phocoenoides dalli. They were ~~first~~ seen in Santa Barbara Channel ~~south~~ ^{north} of the west end of Santa Cruz Id., at $34^{\circ}07'$ N. Lat., $119^{\circ}54'$ W. Long., about 8 a.m. IV:29:1947. When first seen they were heading north off the port bow, not leaping, merely showing backs, ^{but splashing heads}. They ~~first~~ ^{then} turned and ran ahead of the bow. All 8 were adults. They rose and dove more or less in unison. They played the bow for several minutes and were very distinctly seen. All were alike in coloration and in size (about 6-7 feet). They left once and returned soon, to disappear suddenly. A few minutes later porpoise (the same?) were again seen off the port bow headed north, but did not turn to accompany the ship. Once when on a run just below bow a high pitched whistle was heard. The porpoises were seen ^{within} water to about 100 fathoms deep. (over)

A sketch was made on the color + form, but Frank Haymaker arrived ^{just} too late to make photograph.

MAY 1 - 1947

I do not recall the very sharp precaudal mid-dorsal ridge mentioned + figured by Kellogg (1940:72, pl. 14, upper fig.) and shown in my photographs [Alaska, X/V, 10-11]. The whitish ventral D and C fins (clearly seen) contrast with Kellogg's figure + my photos. The consistency of marking was checked carefully on the whole school. Are 2 species by chance involved? See Benson and Brody, 1942 Jour. Mar. 23: 41 ff. Herbert Mann said he didn't remember seeing porpoises like these on previous trips.

J. L. McHugh mentioned after seeing P. dalli in B. Columbia ~~got record~~. Seen on inside of Princess Royal Id. and

Phocoenoides dalli seems proper identification. D. fin color varies greatly. See letter from I. McT. Cowan, V:13:1947.



8 in / 2 in
34.07

155
1119.54



DIVING IN SANTA CRUZ CHANNEL

N:25:1947

Position by shore fix $34^{\circ}01.3'N$, $119^{\circ}58.1'W$.
20.75 fathoms.

Chose this position to get on sand bottom.

Sample of bottom sand for shells -
Many shells mixed in.

Smooth; sunny

1625 started down

1628 on bottom

Telephone messages:

Visibility about 20 feet.

Very dim, as expected

Bottom is sand with shells and
gravel

No ripple marks at all.

No markings of any kind.

Brittle stars seen

Astropecten seen

Reajens seen

Very fascinating bottom; perfectly
flat in all directions.

Never saw such a bottom.

Current barely perceptible

Checked - approximately $1\frac{1}{2}$ knots
runs about $1\frac{1}{2}$ that at

surface.

A reddish sponge with a brittle star
"Current is a son of a bitch"
"Pretty dash"

Serpent stars - quite a few.

Astroppectus — quite a few
average 1 per square yard

~~Bottom~~

Bottom coarse sand and shell
and fine gravel.

When you kick up sand it
clears right away.

Life line goes out almost horizontally
(about 25°) for first 10 feet.

Red anemone on rock.

Left bottom 1702

100 ft 1704

30 ft 1707

On stage 30 ft. 1714

20 ft 1721

10 ft 1749

Surface 1817

Sample of bottom material.