

H45-148 A Same data as for
H45-148 except IX:16

6. Zapteryx exasperatus: 1 ad. ♂
caught by boy with hands
in 8-10 ft. Was seen in
distress. No eggs or
hook marks. reserved.
Calif. Acad.

26. Gymnotorax mordax: 1, injured,
seen in surf by Harry.
Half-grown. (9 den. seen in surf)

35. Paralabrax clathratus: sev. lg. yj.
- 41. gr - 4-10 ft. - several
at edge of shifting sand near
schools of Ayrosia yj and
Oxygaster yj.

40. Atherinops affinis callosceus: mid-water
large, and not schooling closely.

42. Trachurus symmetricus: 1 bl. gr. seen
clearly, midwater at 4' total depth.

46. Cheilodactylus ~~saturnus~~ saturnus: few yj. sp.

47. Embiotoca ~~orbata~~ orbata: few

1 Hypoglossus argenteus - small school.

Micrometrus minimus: fairly common, close in.

48. 1 Hypoglossus rubicundus: a small

Chromis promelas: very yj. common.

50. Oxygaster californicus: common, near bottom, 4-12'; very
little mixture with Ayrosia school.

51. Sciaenops opacirostris: very few
medicinalis or californicus: several.

55. Clinocottus a. analis (?) - 1 seen on rock shelf (1 1/2') by Harry

61. Heterostichus rostratus: 5 and 10' depth - in bottom weed, several

200 510

Sta. No. H45-148

Locality: California: Cove at La Jolla

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

Water: salt; murky, with plant fragments

Vegetation: partly clear; partly dense

Phyllozadix and algae

Bottom: sand and (laterally) rock Temp.: cool

Shore: sand beach & rock cliffs Current: mod. waves

Distance from shore: to 100 ft. Tide:

Depth of capture: various Depth of water: to 10 ft.

Method of capture: gage observation

Collected by: C. L. Hubbs, F. B. Shepard, R. R. Harry Date: 12: 1945-

Orig. preserv.: Time: 4:40 - 5:15 PM

Very poor observation P.W.T.

38. ~~*Xenistius californicus*~~ : 1 fish

46 just like those noted for 146, in appearance & habitat.

40. *Atherinops affinis californicus*: common, near surface, 2' - 10' depth.

44. *Anisotremus davidsonii*: 1 ad. reported by Harry - about 8'.

47. *Embrioca* ~~*webbi*~~ : 1

Hypogomphus argenteus: sev. small. schools & large yf. on sand patches - about 3' - near bottom.

Amphitichus argenteus: 1 lg. yf. with *Hypogomphus*.

Micrometrus minimus: sev. - down in

over

48. Hypsypops rubicundus: several -

50. Oxyjulis californica: young in
small school, near bottom;
water about 3 ft. deep.

H45-148 A - See back of sheet for H45-147

H45-148 B Data from Francis B. Shepard.

IX:17:1945

35. Paralabrax clathratus: small no.

48. Hypsypops rubicundus - no special notes.

^{Chromis}
Gyresna punctipinnis: young.

Several large schools

50. Oxyjulis californica: 2 or 3 small
schools, not mixed with
^{Chromis}
Gyresna - near bottom.

51. Medialuna californiensis: no
special notes.

Sirella nigricans: schools
on west side near shore,
when none were seen IX:12 ^{Gambusia} ~~pastora~~
attributable either to few juveniles
or to quarters of water - up to 15".

35
a few kelp bass,
one about 17".

~~A few~~
One school of
51 Opal eyes seen
outside the rock

44 a few sargos
? same area

148 BC

Fish La Jolla Cove
IX-18-45

S. W. corner Reef
area. A few small
50 Senonites. Notable
51 that opal eyes gone
perhaps due to
higher surf.

NW corner mound
rich. Abundance
48 of small blacksmith.

Occasional very
small groups of
50 small Senonites.

51 Abundant Half
48 moons + Garibaldia
(dis.)

IX-17-45

148B

Cork La Jolla

Several large schools
of small blacksmith

- (48) 2 or 3 small
schools of small
(50) seminites not
mixed with
blacksmiths.

- (51) School of Opal eyes
up to 115" long,
on west side on
near shore.

abundant

- (51) Half moon &
(48) garibaldi

- (35) Small no. of
kelp bass.

SPS

Fish notes La Jolla
Sept 19, '45 F.P. Shepard.

5. W. corner - Schools
of opal eyes back
presumably due to
smaller hairs.

~~One small school of
baby senoritas in S.W.~~

~~N.W. corner
Large school baby
blacksmiths outside.~~

~~With a few senoritas
mostly underneath,
but some mixed.~~

~~Abundant half moon
+ garibaldi~~

~~A few perch in S.W. corner
in kelp.~~ Black
mean
copied

UNE 314-13

1 2 3 4

3

GF

1

3

4

P

VB

IX-29-45

Same as 19th per

(47) Black perch

(47) Wall eyed perch

(6) * a green
fish with
stripes ^{transverse}

+ not particular
on dorsal
fin.

long + slender
12"

Lies on bottom
looks like Saur.

Sept 29, 1945

clear water
corr. S. W. corner

51 Opal eye almoned.

50 baby searites

40 Smelt.

W. W. corner.

● abundant

51/48 half moon & garibaldi

35 Kelp bass.

46 Large clauds of
baby blacksmiths

47 Least Perch.

Oct 1 1945 1486

Murphy water

Cave S.W. corner

51 no opal eyes
but abundant

40 Small
a few deep bass.

35 a few baby

50 Senoritas

N.W. corner.

48 Usual no of
gasaloidis, a few

51 half means.

48 Fair abundance of
baby blacksmith.

Fish Observations ^{41.}

Led. Cove Oct 2, 45

Clear water, small surf
S.W. Corner

- 51 Abundant opal eye
50 Senoritas both
mature + young
40 Smelt common

N.W. corner

48 Garibaldi +

Redfish half moon
fair abundance

Blacksmith young

48 less abundant than
usual

50 Senoritas mature

47 School of large eye perch
least perch, 35 Kelp bass (20)

Fish
La Jolla Cove I
X-5-45
Water fairly clear
Some macerated seaweed

S.W. corner.

51 A few (2 or 3) opaleyes.

40 Smelt.

● N.W. corner
School of opal
51 eyes just inside rock.
Garibaldi's & Half
48 made
51 a band.

37 Kelp bass

48 Schools of young Rocksmith

La Solla Cor. J#.
X-6-45

Water murky
few fish seen,
aside small.

A few grass carp.

145 Fish - La Jolla Cove
X-7-45

Water moderately
clear. Waves
causing considerable
turulence.

S.W. corner.

51 A few opal eyes.
Smelt.

40

N.W. corner smelt

40

48

Abundant young
blacksmith.

50

(no sonoritas)

61 Kelp blenny

48 Garibaldi + half mean

51

moderately abundant.

75

Kelp bass.

L. Fish - La Jolla Cae.

X-10-45 Lactide
water quite clear
small waves

S.W. corner - abundant

⁵¹ Opal eye ⁴⁰ smelt
+ adult ⁵⁰ Senioiters
a few ⁴⁷ least perch

N.W. corner - ⁴⁰ smelt.

Med. no. of ⁴⁸ Garibaldi
⁵¹ Opal eye, + half moon
abundant - young black-
⁴⁸ smith

⁴⁷ A school of Black perch
⁴⁷ a few least perch + adult
⁵⁰ Senioiters.

Fish note, La Jolla
Calif
M. Oct 12, 1945
Clear water

S.W. Corner.

51 Opaleye + snelt ⁴⁰

N.W. corner

48

Garcia baldia around

51

Hal/suam

Clouds of young blacksmith

48

Fish notes

La Solla Cove

Oct 13 1985

Clear water

S. u. corner: Abundant 51

40 + smelt Opal egg

Abundant young + water 50

~~H. u. corner~~ senoritas

~~Garibaldi~~

~~Half moon~~

61 a kelp blenny

33 + a kelp bass

47 least perch

47 black perch

H. u. corner - abundant 51

48 Garibaldi + half moon 51

also opal egg, senoritas 50

35 Kelp bass, least perch 47

H45-148 BC

IX:18:1940-

Further data from F. B. Shepard.

35. Paralabrax clathratus: a few; one about 17"; NW corner.
44. Anisotremus davidsoni: a few, outside the rock, NW corner.
48. Hypsypops rubicundus: abundant NW corner.
- ~~Agron~~ ^{Chromis} punctipinnis: young abundant in NW corner.
50. Oxygulis californica: occasional very small groups in NW corner; a few in SW corner.
51. Medialuna californiensis: abundant, NW corner.
- Sirella nigricans: notable that open-eyes are gone from SW corner (where abundant IX:17), perhaps because of higher surf; one school outside the rock.

H45-148 D

IX:19:1945

F. B. Shepard

47. Perch [Micrometrus minimus?]: a few in SW corner in kelp.
48. Hypsypops rubicundus: abundant in NW corner.
- ~~Agron~~ ^{Chromis} punctipinnis: large school of babies, outside NW corner.
50. Oxygulis californica: 1 small school of babies in SW; a few in NW over

over

corner, mostly underneath baby blacksmiths but some mixed.

51. Mediclinus californiensis:

abundant in NW corner.

Girella nigricans: schools back, presumably due to smaller waves.

1445-148 E

1X:20:1945

Shepard's notes (con.)

47. Red water interferes with observations.

47. Eubiotoca jacksoni

Very few fish.

Hypsoglossus argenteus

[61. Heterostichus rostratus?]

"A green fish with transverse stripes, long and slender, about 12" long; live on bottom; thought to have no 12 fin [depressed?].

Dr. Shepard reports very few fish during period of red water

1445-148 E clear water 1X:29:1945 (Shepard)

35. Paralabrax clathratus

in NW corner

47. Micrometrus minimus

in NW corner

48. Chromis

punctipinnis: large clouds in N.W. corner

Hypsoglossus rubicundus abundant, NW corner.

50. Oxyjulis californica: babies in SW corner

40. Atherinops affinis redraucus: in SW corner

51. Girella nigricans: abundant in SW corner

Mediclinus californiensis: abundant in NW corner

H45-148 G (Shepard's notes, con.)
X:1:1945

Water murky — La Jolla Caves

35. Paralabrax clathratus: a few in SW. corner
40. Atherinops affinis cedrosensis: abundant ^{usual number} SW. corner
48. Hypsypops rubicundus: in NW. corner
Chronis punctipinnis: fair abundance in
50. Oxygulis californica ^{NW. corner}: a few babies in SW. corner
51. Medialuna californiensis: a few in NW. corner

[See over for H45-148 H. and J]

H45-148 J (Shepard's notes, con.) X-6:1945

In La Jolla Caves — water murky

Few fish seen besides

40. Atherinops affinis cedrosensis
48. Hypsypops rubicundus: a few

H45-148 K X:7:1945 — Shepard — La Jolla Caves

Water moderately clear, waves causing

- considerable turbulence. NW. corner ~~off~~ abundant
35. Paralabrax clathratus: NW. corner
40. Atherinops affinis cedrosensis: SW. corner
48. Chronis punctipinnis: yg. abundant, NW. corner
48. Hypsypops rubicundus: mod. abundant NW. corner

50. Oxygulis californica: none

51. Twilla nigricans: a few in SW. corner

Medialuna californiensis: mod. abundant
in NW. corner.

61. Heterostichus rostratus: NW. corner.

H 45-148 H.

Shepard's notes cor.

La. Jolla Caves X: 2: 1945-

Clear water, small surf

35. Paralabrax clathratus: 1-20" fish, NW. corner.

40. Atherinops affinis cedrosensis: common in SW. corner.

47. Micrometrus minimus: NW. corner

Hyperprossus argenteus: school in NW. corner.

Embiotoca rubillus^{n.s.p.}: NW corner.

48. Chronis punctipennis: yg. less abundant than usual, in NW. corner.

Hypsypops rubicundus: in NW. corner.

50. Oxygulis californica: ~~native~~^{ad.}, in NW. corner.
yg. and ad. in SW. corner.

51. Girella nigricans: abundant in SW. corner

H 45-148 J. Shepard's notes cor. — La. Jolla Caves X: 5: 1945-

Water fairly clear, some macerated seaweed.

35. Paralabrax clathratus: NW. corner

40. Atherinops affinis cedrosensis: in SW. corner

48. Chronis punctipennis: schools of yg. in NW. corner.

Hypsypops rubicundus: in NW. corner.

51. Girella nigricans: a few (2 or 3) in SW. corner, schools just inside rock in NW. corner.

Medialuna californensis: abundant in NW. corner.

X45-148 L

Shepard's notes con. La Jolla Cove X-10-1945
Low tide, water quite clear, some waves

40. Atherinops affinis cedrosensis: in NW.
corner; abundant in SW. corner.

47. Micrometrus minimus: a few in both SW.
and NW. corners.

Embiotoca rubellus, n.s.: a school in NW. corner.

48. Chronis punctipinnis: abundant in NW. corner.
Hypsypops rubicundus: moderate number
in ~~SW~~ NW. corner.

50. Oxygulis californica: a few adults in
NW. and SW. corners.

51. Sirella nigricans: abundant in SW. corner;
moderate number in NW. corner.

Medialuna californiensis: moderate number
in NW. corner.

X45-148 M. Shepard's notes con. La Jolla Cove.
X: 12: 1945.

Clear water

40. Atherinops affinis cedrosensis: in SW. corner.

48. Chronis punctipinnis: clouds of yg. in
NW. corner.

Hypsypops rubicundus: abundant in NW. corner.

51. Sirella nigricans: in SW. corner.

Medialuna californiensis: in NW. corner.

(over)

1745-1987. Shepards notes con.

La Jolla Caves, X: 13: 1985-

Clear water.

35. Paralabrax clathratus: one in SW. corner;
in NW. corner.
40. Atherinops affinis cedrosensis: abundant in
SW. corner.
47. Embiotoca rubellus n. sp.: in SW. corner.
Micrometrus minimus: in NW. and SW. corners.
48. Hypsoglossus rubicundus: abundant in NW.
corner.
50. Oxyjulis californica: abundant ygs. and
ad. in SW. corner and in NW. corner.
51. Eirella nigricans: abundant in SW. and
NW. corners.
Medialuna californiensis: abundant in
SW. and NW. corners.
61. Heterostichus rostratus: one in SW. corner.