

State or Country: California Field No: 1151-225
County: _____ Map: USCGS 5128, 1935
Locality: Catalina Harbor, S. side Catalina I

Lat. 33° 25' 14" N., Long. 118° 30' 30" W.

Water: salt

Vegetation: one small patch of Zostera below

Bottom: mud

Cover: one old piece of boat

Temp.: 16.75 at 2150

Shore: protected cove

Current: no surge or current

Dist. offshore: 50 to 60' from both sides

Stream width: _____

Depth of capture: Surface to 15' below

Depth of water: 40 ft.

Collected by J.W. Sefton, Conrad Limbaugh, A. Flechsig & party

Tide: _____

Date: VI:23:1951

Method of capture: light - with dip net + spear

Orig. preserv. 10% form + borax Time: 8:30 - 1000 P.M. PST.

2 - 2gt. jars (1-5% form with larval fish; 1-10% with ads.)

With use of diving units and light on bottom (notes Flechsig)
General observation of invertebrates on bottom

Small red octopus numerous

Stalk sea anemones numerous

Worms common

Corvus californicus very common and active

Stichopus common

Small white sea urchins common

Navanax (slug) common & active

Collected 1 Astrea shell and one Carpenter's termit
with hermit crab inside

Allanetta minor minor

8. Anchoa

1/2 series of trans forming
yg. Many more discarded. A few adults
seen, not taken.

8A Sardinops sagax (188)
caerulea: 1 ad only speared;
several scattered individuals seen.

23. Cypselurus californicus: 4 ad., presumably
this species. Discarded.

35. Paralabrax clathratus: adults, seen

(disc.) 40. Atherinops affinis: 2 ad. speared
others seen, 2 larvae, presumably same
species.

46. Scorpaenus politus : several large adults; 12-14 inch.

47. Cymatogaster aggregata : adults observed on bottom

47A Hyperprosopon argenteum^m : 1 ad. speared; many
seen. 1(149)

53. Scorpaena guttata : 2 ad. seen.

Sebastes paucispinus ? : yg. seen but not caught.

57. Syngnathus californiensis : 1 ad. caught, no
others seen 1(163)

59 Coryphopterus nicholsi : ads. seen.

61. Gibbonsia : 2 yg., caught.

64. Pleuronichthys coenosus : ad. common, none
captured

54A Zaniolepis frenata 1(167)

HSI-225A.

2 yg. atherines caught with dip net
off Orca. at 0700 11:24:1951. Put in
vial in 2 qt. jar of yg. from HSI-225A.

General observations

VI: 23 = 1951 Bet. S. D. + Catalina Harbor,

a few flying fish

VI: 25: 1951 Catalina Harbor to Johnsons Landing,

Catalina ^IHarbor a few flying fish,

VI: 27 Johnsons Landing to Pelican Bay, Santa

Cruz I., a few flying fish.

VI: 28 Pelican Bay to Santa Barbara and
return

1 Dall's porpoise crossed under bow
of boat as leaving Santa Barbara.

On return trip, lifted anchor about
1530, 1 sooty shearwater at 1545

2 light phased shearwater at 1603

1 " " " at 1610

Very rough, too rough for observations
after ab. 1610.

Sefton Foundation, Research Ship Orca.

Left San Diego PST 0715.

VI:23:1951 Anchored Catalina Harbor, Catalina Island
at 1700 PST. Collected with light. H51-225

Party aboard when left S.D.

J. W. Sefton, Jr. Charles DeMund

Arthur Flechsig Laura C. Hubbs.

Conrad Limbaugh John Roberts

Howard Feder

Fred Munz

George Williams

VI:24:1951 Anchored Catalina Harbor (H51-227)

Deep water poisoning in A.M.; a bit
of tidepool collecting (H51-226). Trawling
in P.M. (H51-228); Light & dipnet at.

night. (H51-229).

VI:25:1951 Anchored Catalina Harbor.

Deep water poisoning in A.M. (H51-230).

Lifted anchor about 1200 PST.

Dredged off Little Harbor. H51-231, 232

Ground West End, anchored at

Johnson's Landing 1600 PST. H51-233

VI:26:1951 Anchored Johnson's Landing,
Catalina I.

Deep water poisoning in A.M. H51-234

Observation

Beach seining at night. H51-235

VI:27:1951 Lifted anchor at Johnson's Landing
about 0700

Dropped anchor Pelican Bay, Santa
Cruz I 1415

(over)

Observation with hook box

hook + line fishing H51-238

Night lighting H51-237

VI: 28: 1951 Crew left for poisoning H51-239

Anchor lifted 0710; headed for

Santa Barbara. C.H.H. + Paul Silva

Lift anchor about 1515, headed for

Pelican Bay, C.H.H. + Paul Silva aboard

Anchor Pelican Bay abt 1800 P.S.T.

Night light H51-237A

VII: 29: 1951 Pelican Bay, Santa Cruz I.

Dredging H51-240 to 243

Deep poisoning H51-244

VI: 30 Pulled anchor about 0605

Along N. side of Santa Cruz

to Santa Cruz Channel. Too

rough to work, returned

along N. shore of Santa Cruz. Dropped

anchor at Smugglers Cove about

1045 P.S.T.

Dredging in afternoon H51-245 to 247

Night light + dipnet H51-248

VII: 1: 1951 Anchored at Smugglers Cove.

Deep poisoning H51-249

Scraping of anchor buoy H51-250

VII: 2: 1951 Anchored Smugglers Cove

Dredging Anacapa Passage, etc. H51-251 to 253

Anchored Pelican Bay about 1600

Hook + line and dipnetting H51-254, 255

VII: 3: 1951 Pelican B., lift anchor 0645

Anchor down Forney's Cove 0855

Poisoning in P.M. H51-259 Hook/line H51-259

VII: 4: 1951 Lifted anchor 0655 Headed for

Ford Pt.

VII:4 (con.) Dredging off Ford Pt. ^{in A.M.} 1151-260 to 262
1151-262 dredge hung up, also float line.

All recovered.

Anchored inside Ford Pt. 1155. ^{Observation} only 1151-263
Beach seine 1151-264

VII:5:1951 Lifted anchor about 0400.

In Santa Barbara Harbor about 0800

In Santa Barbara day and night.

To Santa Barbara College, Santa Barbara
Museum, and dinner at Charles Camp's

at Trout Camp.

Dr. Pyre on board that night. Fleeting
Roberts, Feder, Munz + Williams left.

Ship for U.C.L.A. Paul Silva left
for U.S. at Berkeley

VII:6:1951 Lifted anchor about 0600, headed
for Santa Catalina I. Notes on mammals
(1151-268) ← flights of fishes

Anchored at White Cove, Catalina I.

ab 1600

(1151-269)
Observation, spear and dipnetting
at night (1151-270)

VII:7:1951 Lifted anchor about 0550.

Headed for San Diego