

State or Country: California Field No. HS2-40
County: Map: U.S. C.E.G.S. 5202, 1952
Locality: south of Santa Cruz Island. In northern part of
Santa Cruz Basin
Course 306°T. Lat. 33°46.0 → 46.7' N., Long. 119°34.3 → 39.5' W.
Water: clear, salt
Vegetation: none

Bottom:

Cover: Temp:
Shore: rocky Current:
Dist. offshore: 13 1/2 → 9 1/2 naut. mi. Stream width:
Depth of capture: est. approx. 800 fath. Depth of water: 1030-980 fathoms
Collected by M.V. "Horizon" - Hubbs, Allen, Kidd, Wisner, et al.
Tide: Date: IV: 2: 1952
Method of capture: 10 ft. beam trawl + attached meter net
Orig. preserv.: 10% form. + borax Time: 1207-1700 (at depth, 1255-1455)
IV: 2: 1952

Operated from winch with 1/2" wire rope, on large A-frame.
L.O.G.: P.A.T. 1154 preparing for trawl 1020-1030 fathoms
Course 306° true. Speed est. 2 knots. 5.0 P.M.
1207 net starts down with meter net attached by short
line with swivel held by bridle attachment.
1224 Depth holding: do: 1245, 1251
1255 2500 meters wire out; secured.
1257 Wire angle 32°; 1310, 36°
1306 Speeded up to 60 RPM.
1317 35°
1325 990 fathoms. Speed check by float at 3.5 km/hr.
1340 " " wire angle 34°
1413 Wire angle 44°; 22-knot heading slowing ship;
RPM upped to 70.
1433 Wire angle 33° speed reduced to 60 RPM.
Angle changed soon to 35°.
Angled steepened again - increased speed to 70 RPM
at 1443. 1447, 980 fathoms.
1451 Started to pull in net.
1556 950 fath. 1028 m. wire out.
1700 net at surface. Depth 950 fath.

Preserved 1 2-qt. jar from meter net; 2 2-qt. jars of
invertebrates; 1 2-qt. jar of fishes (1 yo. *Vangyutenthis*)

Seal L. Hubbs

- 8 ~~*Bajacalifornia*~~ *burragei* Townsend & Nichols
~~*Nematohydroctes longifilis*~~ (Brauer) 1:87mm
 Corrected I: 19:1954-26.14.
- 10 *Chauliodus macouni* Bean 1:180mm
- 10 *Cyclothone acclinidens* Garman 218 (29-53mm)
- 10 *Cyclothone microdon* 1:58mm 9(38-60)
- Cyclothone signata* Garman 7:28-33.5mm
- ~~*protoeulus*~~ → *theta*
- 25 *Diaphus theta* Eig. & Eig. 7 (29-61mm)
- 25 *Lampanyctus leucopsarus* (Eig. & Eig.) 1 (25mm)
- 2 *Stenobrachius*
- 31 ~~*Melamphaes cristiceps*~~ Gilbert 1:115mm
- Melamphaes lugubris* Gilbert 2:55-60mm (53.7-58.4)
- 31A *Paromitra crassiceps* 1(112)
- 53 B *Sebastes paucispinis* (Ayres) 1:14mm
- A *Sebastes zacentrus* (Gilbert) 1:36mm
- 61 *Melanostigma pammelas* Gilbert 6 (88-100mm)
- 64A *Citharichthys stigmaeus* (Gilbert) 1 post. lar.: 21mm