

SI073-285

Country: Costa Rica, west coast Field No. MV73-I-74
 County: Map: H0390, issue of 1963
 Locality: ca. 6-7 nautical miles west of tip of Cabo Blanco
 Lat. $09^{\circ}(33.2 \rightarrow 34.1)N$, Long. $85^{\circ}(12.8 \rightarrow 14.0)W$
 Water: slightly clouded blue
 Vegetation:

Bottom: even, very gentle slope
 Cover: Surface Temp.: 86° (by bucket thermom.)
 Shore: Current:
 Dist. offshore: 4.5 $\rightarrow$ 5.4 naut. mi. Stream width:
 Depth of capture: bottom Depth of water: 43 $\rightarrow$ 41 fms.
 Collected by: Carl L. Hubbs & party on SIO R/V Alexander
 Date: 14 Aug. 1973
 Method of capture: 25-ft semiballotter otter trawl
 Orig. preserv.: 10% buffered form, Time: holding 1426-1451
 overall, the same
 Length of operation 1.5 miles

A rather ample collection of fishes and invertebrates. Fishes preserved fresh in 3 5-gal. cans.

Carl L. Hubbs

65 *Zalieutes elater* (Jordan & Gilbert) 2 (78)
 50 *Decodon melasma* 1 (69)
 26 *Priodonophis equatorialis* 1 (386)
 35 *Diplectrum euniplectrum* 1 (114)
 35 *Diplectrum latatum* 1 (136)
 26 *Gymnothorax phalarus* 2 (434-531) (90.3-94.1)
 64 *Symphurus atramentatus* 3 (~~434-531~~)
 60 *Porichthys margaritatus* 2 (42.5-104)
 25 *Synodus scitoliceps* 2 (243-248)
 56 *Prionotus albirostris* 13 (75-118)
 65 *Zalieutes elater* 12 (65-80)
 56 *Prionotus stephenophrys* 1 (109)
 56 *Bellator xenisma* 2 (64-65)

State or Country: Costa Rica, west coast Field No. MV 73-I-75
County: Map: HO 930 1963
Locality: off Punta Guiones nautical miles

Lat. $09^{\circ} 46.0'$ N., Long. $85^{\circ} 53.5' +$ W.
Water: clear & blue
Vegetation:

Bottom:
Cover: Temp.:
Shore: Current:
Dist. offshore: see above Stream width:
Depth of capture: bottom Depth of water: 970 fath.
Collected by Ronald R. McConnaughey et al. for Carl L. Hubbs, on
Tide: SIO R/V Alexander Agassiz (7303-G) Date: IV:19-20:1973
Method of capture: free-vehicle trap and set line combination
Orig. preserv.: 10% buff form overall Time: 2027-0542 hrs. CST overall

* 25 hooks baited with squid set vertically
from just above trap 1 m apart;
McConnaughey 3-chambered trap baited
with mackerel, squid, & shrimp.

5-6 top baits gone (Coryphaena?). Trap contained some small amphipods preserved by
Spencer R. Luke on bait.

showed up 0515

Carl L. Hubbs

~~Country~~ Country: Costa Rica west coast Field No. MV 73-I-76

County: Map: HO 930 ed. 1963

Locality: off Punta Guiones nautical miles

Lat. $09^{\circ} 44.0'$ N., Long. $86^{\circ} 00.0'$ W.

Water: clear and blue

Vegetation:

Bottom:

Cover:

Temp.:

Shore:

Current:

Dist. offshore: see above

Stream width:

Depth of capture: bottom

Depth of water: 1222 faths.

Collected by Ronald R. McGinnough et al for Carl L. Hubbs

~~on~~ on SIO R/V Alexander Agassiz (Agassiz) Date: IV. 19-20: 1973

Method of capture: free vehicle trap & bottom combination*

Orig. preserv.: 10% buff form. Time: 2118 - 0810 CST

* 25 hooks baited with squid set vertically beginning just above trap 1 m apart.

McGinnough 3-chambered trap baited with mackerel, squid, and shrimp.

Small amphipods taken from bait in trap.

No fish in hooks or trap. Many small amphipods taken by Spencer R. Luke.

Second hook from trap lost

Sighted visually 0733 (not before)

Carl L. Hubbs