

State or Country: ..... Field No. 510 68-69  
County: ..... Map: 140850, rev. 1963  
Locality: Golfo de California NE of Isla Carmen  
.....  
..... Lat. 26° 05.7' N, Long. 111° 03.3' W.  
Water: clear, blue to 26° 13.5' 111° 02.8'  
Vegetation: .....  
..... 26° 09.7' N 111° 03.0' W  
Bottom: ..... 18.3° - 18.5°  
Cover: none Temp.: 19.0 - 19.8°C (thermograph)  
Shore: rocky Current: .....  
Dist. offshore: 2.7 - 9.3 naut. mi. Stream width: .....  
Depth of capture: est. 0 - m. Depth of water: 50 - 232 fath (GDR)  
Collected by Stubbs, Wisner, McConnaughey, and party on  
SIDR/V Thomas Washington Date: I: 13; 1965\*  
Method of capture: 10-ft. non-closing Isaacs-Kell midwater trawl\*  
Orig. preserv.: 10.90 formalin Time: 1836 - ca. 2205 PST (over)  
(over)

MV 68-I-31

\* with meter-net cod-end

LOG

Trawl started in shallow water, in another effort to get juveniles of shore fishes, etc. along with mesopelagic forms. To compare with following depth tow:  
at 1836 25 m. out and holding, speed 3 kn.  
1840 stiff swell jerking net furciously; speed reduced to 2 kn.  
1846 started payout to 100 m W.O.  
1850-1900 - held. Depth about 120 fath.  
1900 started payout at 20 m/min to 400 m W.O. - during increasing depth (gradual).

1 - 1 gal jar fishes

invertebrates

Eyes removed from several invertebrates

(over)

10	<i>Vinciguerria lucetia</i>	29 (13-49)
25	<i>Triphoturus mexicanus</i>	427 (15-51)
25	<i>Benthoosema panamense</i>	37 (11-45)
25	<i>Diogenichthys laternatus</i>	32 (18-27)
* 25	Myctophidae (unident. larvae)	6 (7-11)
10	<i>Stomias affinis</i>	1 (larva)
62	<i>Coelorinchus scaphopsis</i>	1 (10)
62	<i>Bregmaceros bathymaster</i>	1 (47)
64	<i>Symphurus</i> sp.	1 (21)
26	Nettastomatidae (lepto.)	1 ( <del>68</del> <sup>86</sup> )

\* gift to G. Moser, US NMFS, La Jolla  
+ 10 gonostomatids, misc. larvae