

MV65-III-10

State or Country: off northern coast of Baja California Field No. SIO 65-441
 County: HO 5196 (19) Map: Topogr. chart 1 (1965), 1
 Locality: northern part of Sixty Mile Bank, on SW side
(drifting onto top of SW slope)
 Location at start Lat. 32° 04.5' N., Long. 118° 11.8' W.
 Water: clear blue
 Vegetation: _____
 Bottom: _____
 Cover: _____ Temp.: _____
 Shore: _____ Current: _____
 Dist. offshore: _____ Stream width: 70-194
 Depth of capture: bottom Depth of water: ~~100-194~~ faths. (see below)
 Collected by PDR
 Tide: _____ Date: IX: 23: 1965
 Method of capture: 2 electric-reel outfits, using 4 hooks baited with squid
 Orig. preserv.: frozen on ship Time: 1322-1544 hrs. P.D.T.
or discarded

Set No	Time "fish on" PDR	Depth, fath PDR	Species of <u>Sebastes</u> caught
1	1324	73	<u>S. paucispinis</u> (huge) - small
2	1332	73	" (large ad.)
3	1343	77	{ 2 " "
			{ 1 " <u>miniatus</u> lg. ad.
4	1344	78	<u>S. paucispinis</u> (1); <u>rufus</u> (1); <u>miniatus</u> (1)
5	1354	70	" (3)
6	1355	70	" (1); <u>miniatus</u> (1)
7		81	" (1); <u>rufus</u> (1)
8		81	" (1); <u>miniatus</u> (2)
9		83	" (2, huge)
10		92	" (1); <u>elongatus</u> (1); <u>chrysostictus</u> (1)
11		107	" (1); <u>rufus</u> (1)
12	<1430>	108	" (1); " (1); <u>miniatus</u> (1)
13		140	" (1) - Lost 2 hooks
14	<1450>	148	<u>S. melanostomus</u> (1); large adult
15	1454	177	" (1)

Fish usually struck within moments of hitting bottom.
 At first PDR showed fish aggregations very dense,
 rising many fathoms off bottom (likely mostly
S. paucispinis); then thinned out, but fish still caught
 rapidly. Came very slow at end in deepest sets.
 None caught after 1454 in depths of 177-194 fathoms; gave up
 at 1544 hrs. to return to shallower water (see MV65-III-11)
 All S. miniatus in both collections have yellow ground color as on figure above
 with jet black spots (as also in several
 adults of S. paucispinis). (over)

over

Both collections (10 and 11) seem to have sampled a virgin population, with great numbers of very large adults, no small fish (so far as indicated by catch, with hooks small enough to have captured them), etc. Many of 12 fish were opened and were found to be almost completely empty. One contained the caudal end of a fish with widely furcile caudal fin (sema).

Only selected fish used for collection.

Carl L. Hubbs.

53A *Sebastes paucispinis* 1(610) tank

53B *Sebastes melanostomus* 2(358-430) tank

53C *Sebastes miniatus* 4(366-431) tank

53 *Sebastes rufus* 4(384-395) tank