

FISH COMMISSION OF OREGON
GROUNDFISH & SHRIMP INVESTIGATIONS

Report of Cruise 72-1. Dover Sole

Vessel: M/V Harmony, commercial trawler.

Dates: February 3-4, 1972.

Objective: To tag spawning Dover sole (*Microstomus pacificus*) in PMFC area 2B for stock identification and interchange.

Methods: Dover sole were obtained from the commercial catch, held briefly in tanks containing fresh salt water, tagged with Peterson disc tags and released near the area of capture. Only lively fish were tagged. Tagging preference was given to large female fish.

The vessel used a 350-mesh Eastern otter trawl with a 5-inch, stretch mesh, codend. The net had a 67-foot head rope and a foot rope of 57-feet. Fifteen fathoms of mudline and 50-fathoms of rubber warp were used. Duration of tows was from 2 to 3 hours.

Results: There were 224 fish tagged from 3 tows. Tagged Dover sole were released from off Bandon to Coos Bay (1L0 1200 - 1430) in 180-280 fathoms.

Table 1 shows tag release location, number of fish tagged per tow, and tag numbers per tow.

Personnel: William Barss, Aquatic Biologist
Chuck Loftus, Captain
Jim Bonner, Crewman
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Fish Commission of Oregon
Management & Research Division
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Table 1. Location and Tag Numbers by Tow, Cruise 72-1

Tow No.	Date	Loran 1L0	Depth (fms)	Number Tagged	Tag Numbers
1	2-3-72	1284 - 1311	280	84	JJ 3200 - 3283
2	2-3-72	1410 - 1430	210 - 215	105	JJ 3284 - 3388
3	2-3-72	1235 - 1255	180	<u>35</u>	JJ 3389 - 3423
Total				224	