

California Department of Fish and Game
Marine Resources Operations
California State Fisheries Laboratory
Terminal Island, California

Cruise Report 62-S-3 - Trawl
Prepared by Paul H. Reed, Biologist-in-Charge

Vessel: N. B. SCOFIELD

Dates: Departed from San Pedro April 4, 1962.
Returned to San Pedro May 3, 1962.

Locality: Coastal waters between Eureka, California and Mack Arch, Oregon.

Purpose: 1. To tag Dover and petrale soles (Microstomus pacificus and Eopsetta jordani).

2. To collect and preserve incidental specimens for other investigations.

Results: Between April 11 and 30, 2,396 Dover sole were tagged and released in 45 to 136 fathoms. Over 90 percent were trawled in 70-125 fathoms. During the same period, 441 petrale sole were tagged and released in 41 to 124 fathoms, over 75 percent had been taken in 50-74 fathoms. All tagging was carried out between Eureka, California and Mack Arch, Oregon. Tags used were the vinyl spaghetti-type (Floy Tag & Mfg. Co. type FT-4).

A 400-mesh Eastern-type otter trawl of 4-1/2-inch mesh was used throughout the trip.

Several tags from both species were recovered by commercial vessels before we had completed our cruise. Information obtained from these and other returns will add to our knowledge of population structure and seasonal distribution.

Deep-water skates (Raja sp.) were collected for Scripps Institution of Oceanography and invertebrates were saved for the Allan Hancock Foundation.

Live invertebrates and fish were delivered to Marineland of the Pacific, San Pedro and the Shipwreck Aquarium, Eureka.

Personnel: R.B. Mitchell, Master, Fisheries Vessel.
P.H. Reed, Biologist-in-charge, April 9-30, 1962.
A. Magill, Biologist, Oregon Fish Comm., April 15-22, 1962.
T. Jow, Calif. Fish and Game, April 18, 1962.
D. Wilson, Eureka Newspapers, Inc., April 18, 1962.

60 Petrale
575 Dover

Mack Arch

Oregon
California

Crescent City

Klamath River

Trinidad Head

124°W
41°N

381 Petrale
1,821 Dover

Eureka

N.B. Scofield
Cruise 62-S-3, Trawl

Tagging areas
showing numbers
released.

