

State of California - The Resources Agency
Department of Fish and Game
Marine Resources Region
Long Beach, California

CRUISE REPORT 71-KB-17

INSHORE FISHERIES HABITAT EVALUATION AND MONITORING

Prepared by Dan B. Odenweller

Vessel: KELP BASS

Dates: November 8 - November 12, 1971

Locality: Inshore waters off Huntington Beach (Nov. 8-11) and Horseshoe Kelp (Nov. 12).

Purpose: To conduct contract ecological studies for the State Water Quality Control Board off Huntington Beach and to search for a lost trawl at Horseshoe Kelp.

Operations: Twelve stations were selected from a stratified, random sampling scheme. Biologist-divers occupied each station, enumerating all plants and animals at each station, recording the physical description of the area, and taking photographs. All diving operations were performed with the surface air supply and diver communication equipment. Benthic grab samples were taken at each station, utilizing a 1/10 m² pohnar grab. Vertical temperature and dissolved oxygen profiles were taken at all stations with a Martek DOA meter. Bottom trawls were taken at all stations where bottom conditions permitted trawling. Each trawl began at a diving station and consisted of a 1/2 mile tow along the isobar from the station.

Results: Material from twelve stations was collected by biologist-divers and is now being sorted for further analysis. Benthic grab samples were also taken at all twelve stations and have been stored for future identification. Bottom trawls were made at all but three stations where the rocky nature of the bottom precluded these operations. The lost gear was not located.

Personnel: M. Mazarovich - Vessel Captain
D. Gotshall - Biologist-in-charge
R. Hardy - Biologist
D. Odenweller - Biologist
P. Haaker - Biologist
M. Gillis - Seasonal Aid
J. Kurasch - U.S.N. Project Transition