

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

CRUISE REPORT 72-KB-17

INSHORE FISHERIES HABITAT EVALUATION AND MONITORING

Prepared by Bob Hardy

Vessel: KELP BASS and DOLPHIN

Date: July 24-28, 1972

Locality: Inshore areas between Crystal Cove and Dana Point, Orange County.

Purpose: To conduct underwater surveys of the inshore marine environment in the vicinity of small municipal sewage discharges.

Operations: Underwater transects were conducted throughout the area for the purpose of delineating habitat types and major biological assemblages. Emphasis was placed on surveying rocky-reef and kelp bed areas.

Results: Thirty-four dives, from 21 to 60 minutes in length, were made between Crystal Cove and Dana Pt. (Fig. 1). A total of 15 reef areas was surveyed. Transects were surveyed along depth contours to determine the extent of rocky-reef areas and describe the major floral and faunal assemblages on the reefs. All fish species observed were recorded and estimates of abundance noted. Six sculpin (*Scorpaena guttata*) were tagged as part of the DJ-F-22-R Sportfish Program.

The information gained by surveys of this type will enable us to make recommendations as to alignment or new domestic outfalls proposed for the area.

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