

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

CRUISE REPORT 74-KB-3
SPORTFISH-KELP HABITAT STUDY

Prepared by Kenneth C. Wilson

Vessel: R/V KELP BASS

Dates: January 28-29, February 4-7, 1974

Locality: Nearshore waters of Catalina Island and Abalone Cove.

Purposes: 1. To place anchor chain in study area.
2. To transplant kelp (*Macrocystis* sp.) from Catalina Island to Abalone Cove.

Procedure: Chain, to be used for transplanting kelp, was laid out by project personnel in the Abalone Cove study area with the aid of the KELP BASS. Chains were positioned by divers roughly perpendicular to the shoreline in 25 to 35 feet of water.

Project divers collected kelp plants from Isthmus Harbor kelp beds. Plants were bagged and brought aboard the KELP BASS where the holdfasts were strung with nylon lines. Prepared plants were taken to Abalone Cove where they were secured to chains.

Results: A total of 7 shots, (620 feet) of heavy anchor chain was laid out in Abalone Cove. About 350 lines were secured to chains at two to three feet intervals.

A total of 210 plants, representing about 6300 pounds of biomass, was installed on about 270 feet of anchor chain by divers.

The use of heavy anchor chain should eliminate damage to kelp plants resulting from drifting during heavy seas.

Personnel: Marco Mazarovich, Vessel Captain
Kenneth C. Wilson, Biologist-in-charge
Pete Haaker, Biologist
Ken Hashagen, Biologist (D.J. Coordinator)
Ken Mais, Biologist
Dave Parker, Biologist
Alan Wells, Seasonal Aid