

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

CRUISE REPORT 72-KB-2  
SPORTFISH-KELP HABITAT PROGRAM DJ-F27D

Prepared by Peter L. Haaker

Vessel: KELP BASS

Dates: January 19-21, 1972

Locality: Paradise Cove and Abalone Cove

Purpose: To collect kelp plants (*Macrocystis* sp.) from the Paradise Cove kelp bed for transplantation to Abalone Cove, Palos Verdes Peninsula.

Operations: Seventy-three kelp plants 3 to 10 m in length were collected by divers in Paradise Cove. Plants were put into burlap bags which were either kept in the bait tank or were continually watered down. Lines were strung through the hold-fasts of the kelp plants which were then secured to floats suspended 1 m off the bottom in Abalone Cove.

One dive was made on the Malibu Artificial Reef for fish observations.

Results: Small plants (less than 1 m) do not fare well in Abalone Cove due to fish grazing, thus no small plants were intentionally obtained for transplantation. Large plants are grazed, but growth appears to be able to keep up with grazing destruction.

Large brown algae were absent on the Malibu Artificial Reef but numbers of large sportfish were observed.

Personnel: Marco Mazarovich, Vessel Captain  
Mel Odemar, Biologist-in-charge  
Dick Burge, Biologist  
Pete Haaker, Biologist  
Steve Shultz, Biologist