

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

CRUISE REPORT 73-KB-19
BIG GAME FISH INVESTIGATIONS

Prepared by James E. Phelan

Vessel: KELP BASS

Dates: August 14-17, 1973

Locality: The nearshore waters of southern California.

Purposes:

1. To tag and release Pacific bonito *Sarda chiliensis*; California barracuda, *Sphyrna argentea*; and white seabass, *Cynoscion nobilis*.
2. To gather data on bonito and barracuda for population estimates.
3. To tag and release Pacific mackerel, *Scomber japonicus*; and jack mackerel, *Trachurus symmetricus*; taken incidentally.
4. To make incidental collections as requested by other investigations.

Procedure: Trolling and still fishing was conducted during daylight hours. Lights were used at night to attract fish.

Results: Biologists tagged and released 28 Pacific bonito, 35 California barracuda, 1 white seabass and 1 Pacific mackerel.

Incidental fishes caught included: kelp bass, *Paralabrax clathratus*; sand bass, *Paralabrax nebulifer*; white croaker, *Genyonemus lineatus*; queenfish, *Seriphus politus*; bat ray, *Myliobatis californica*; and sculpin, *Scorpaena guttata*.

Personnel: Donald Carvalho, Vessel Captain
James Phelan, Biologist-in-charge
Gail Campbell, Biologist
Dennis Henley, Seasonal Aid
Darlene Osborne, Seasonal Aid