

State of California  
DEPARTMENT OF FISH AND GAME

MARINE FISHERIES BRANCH - N. B. SCOFIELD  
Cruise Report

Cruise: Cruise 2 of the N. B. SCOFIELD for 1955. 55-S-2  
Sailed: April 11, 1955 from Los Angeles Harbor.  
Returned: April 20, 1955 to Los Angeles Harbor.

Locality: San Clemente, Santa Catalina and Santa Cruz Islands, near  
Santa Barbara and Point Dume on the mainland.

Purpose: 1. To complete the collection of kelp bass for length-  
weight relationship, aging and food studies.  
2. To collect the very small sizes of green, pink, and  
red abalones.  
3. To collect any specimens of barred perch, corbina,  
yellowfin croaker and spotfin croaker obtainable.  
4. To collect miscellaneous fish.

Results: Poor weather conditions severely hampered fishing and diving  
work and prevented collecting perch, corbina or croakers,  
but 154 specimens of kelp bass were secured and an additional  
166 bass were measured and released.

Part of the bass collection featured the smallest visible  
sizes which have been unobtainable previously. Diving work  
revealed that the very small bass were abundant in two  
locations but could not be netted or taken by size 16 salmon  
egg hooks. These small fish would take the hook but the  
hook could not be set for some reason. The collection was  
finally affected by a large trap with very small mesh webbing  
completely covering the wire framework.

Scientific Personnel: J. Carlisle, Biologist, Department of Fish and Game  
J. Schott, " " " " " "  
J. Baxter, " " " " " "  
P. Young, " " " " " "

Guest: W. L. McClintock (photographer)