

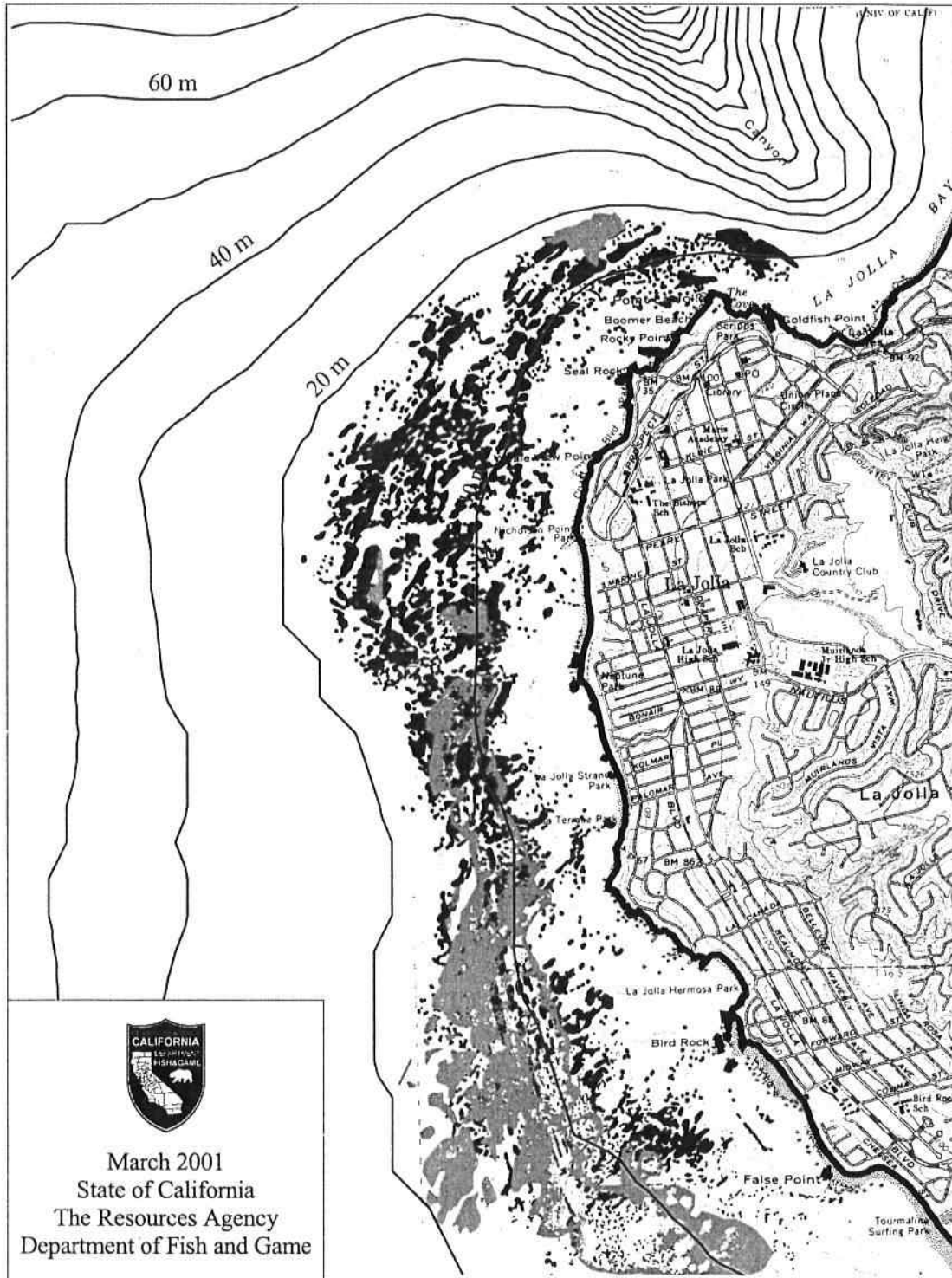
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Final Environmental Document

Giant and Bull Kelp Commercial and Sport Fishing Regulations

(Sections 30 and 165, Title 14, California Code of Regulations)



COVER: This map shows Administrative Kelp Bed #4 located off the coast of La Jolla, in San Diego County. The bed extends from a line drawn 272° true north from the south jetty of Mission Bay to a line drawn 283° true north from Scripps Pier. The bed's greatest potential canopy area is 2.53 square miles. The large green kelp layer was derived from 1989 summer kelp canopy estimates from 35 mm aerial photography (Ecoscan, 1989). The smaller blue kelp layer was derived from 1999 winter kelp canopy estimates from large format aerial photography (I.K. Curtis, 1999). This comparison of summer and winter kelp canopy area illustrates seasonal changes in kelp abundance. Canopy area is one of many important factors used in the management of kelp harvest and conservation of kelp-reef habitat. The depth contour lines (in meters) show one element of oceanographic influence on bed #4. La Jolla Canyon and La Jolla Point, on the northern end of the bed, both contribute to seasonal impacts on kelp persistence.

Cover Map Scale: 1:35,000
Land Map selected from USGS 1:24,000 Digital Raster Graphics
Map Design by DFG Marine Region GIS Lab

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2000 Final Environmental Document

Giant and Bull Kelp
Commercial and Sport Fishing Regulations

Section 30 and 165, Title 14, California Code of Regulations

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