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INTRODUCTION

Information on the organisms at proposed Ocean Thermal Energy Conversion (OTEC) sites is required to assess the potential impacts of OTEC power plant operations. To gather information on the distribution, abundance and biology of organisms known to occur in OTEC regions, the Marine Sciences Group at Lawrence Berkeley Laboratory conducted literature surveys on those organisms. This bibliography is the product of a literature survey on marine turtles at two proposed OTEC sites in Hawaii. The OTEC sites are located off Keahole Point, Hawaii and Kahe Point, Oahu.

The references included in this bibliography provide information on the distribution, ecology and biology of marine turtles in Hawaii. While not all the citations are to studies conducted in the Hawaiian Islands, all contain information on the biology and ecology of sea turtle species which are found in Hawaii.

Five species of marine turtles have been reported near Hawaii: the olive ridley (Lepidochelys olivacea), the loggerhead (Caretta caretta), the hawksbill (Eretmochelys imbricata), the leatherback (Dermochelys coriacea), and the green turtle (Chelonia mydas). The green turtle is the most abundant sea turtle in the Hawaiian Island chain. The hawksbill and the leatherback occur in small numbers, and the olive ridley and the loggerhead are recorded as accidentals.

This work was supported by the Ocean Systems Branch, Division of Solar Technology of the U.S. Department of Energy under Contract No. W-7405-ENG-48.
REFERENCES


BALAZS, G.H. (1976a) Green turtle migrations in the Hawaiian Archipelago. Biological Conservation, 9, 125-140.


CALDWELL, M.C. and D.K. CALDWELL (1962) Factors in the ability of the northeastern Pacific green turtle to orient toward the sea from the land: a possible coordinate in long-range navigation. Los Angeles County Museum Contributions in Science, 60, 1-27.


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