

Curriculum Vitae for

DONALD L. WARD, Ph.D.

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EDUCATION

Doctor of Philosophy, Ocean Engineering, Texas A&M University. Dissertation: "Wind Effects on Runup and Overtopping of Coastal Structures."

Master of Ocean Engineering, Oregon State University. Thesis: "Ocean Wave Interaction with a Caisson on a Rubble Base."

Bachelor of Science, Civil Engineering, Oregon State University. Emphasis: Structures and Hydraulics.

Bachelor of Science, Zoology, Oregon State University. Emphasis: Marine Zoology.

Bachelor of Science, Fisheries, Oregon State University. Emphasis: Marine Fisheries.

PROFESSIONAL EXPERIENCE

Dr. Ward has 18 years experience (1985 to present) as a Research Hydraulic Engineer in the Coastal and Hydraulics Laboratory of the US Army Engineer Research and Development Center. His duties include proposing, planning, and conducting research investigations in various fields of coastal and hydraulic engineering; data acquisition and analysis; supervision of junior engineers and technicians; and interacting and coordinating with project sponsors, universities, and other research personnel. Dr. Ward has received numerous Performance Awards, Special Service Awards, Special Recognition Awards, and the Commander's Award for Civilian Service. Current and recent studies include:

National Shoreline Erosion Control Development and Demonstration Program. Principal Investigator for demonstration erosion-control projects at Miami Beach, FL, Alligator Point, FL, Gulf Shores, AL, Cape Lookout, OR, and Sacred Falls, Oahu, HA. Projects include an innovative environmentally-friendly offshore breakwater, new groin designs, and replicating a cobble beach for erosion control.

Design of Revetments and Seawalls. Employed physical models, numerical models, and prototype data to improve design formulae for coastal structures. Included wave runup, overtopping, and structural stability.

Stone Degradation on Coastal Structures. Studied causes and effects of degradation of armor stone on coastal structures in the Great Lakes, including economic analysis of preventive and corrective measures.

Dr. Ward's research has been presented in numerous publications in national and international journals, conference proceedings, and technical reports.

PERSONAL

Age, 49. Excellent health. Instrument-rated private pilot. SCUBA divemaster.

Member: American Society of Civil Engineers, Society of American Military Engineers, American Geophysical Union.