

RESUME

GREGORY E. HEARON, P.E.

PRINCIPAL

B.S., Ocean Engineering (Florida Institute of Technology, 1993)

M.S., Civil Engineering (Oregon State University, 1995)

Mr. Hearon has extensive experience in the fields of coastal engineering, coastal oceanography, and oceanographic data acquisition. His project involvement includes field data acquisition and analysis, project design, construction advisory, and performance monitoring. He routinely undertakes both office and field studies for projects in both temperate and Arctic environments.

He has worked with SANDAG and constituent coastal cities since 1996 to assess the condition of San Diego County's beaches and coastal lagoon entrances, and to evaluate the impact of both natural events and human intervention. Since 2001, particular influence has been placed on the outcome of the Regional Beach Sand Project, which resulted in the placement of 2.1 mcy of sand nourishment on the region's beaches. The findings helped guide the design of a second Regional Beach Sand Project, which was implemented in 2012. Since that time, the program has focused on understanding the effectiveness of the material placed under the second project. Mr. Hearon also managed a numerical modeling effort on behalf of the US Army Corps of Engineers (Corps) to estimate the influence of Oceanside Harbor on historical shoreline evolution, forecast future shoreline evolution and coastal storm effects, and assess the effectiveness of several shore protection alternatives.

While serving as the project engineer for the Corps' Coast of California Storm and Tidal Waves Study - Orange County, Mr. Hearon analyzed beach and nearshore survey data encompassing a 32-year period to quantify historical shoreline and volume changes in the Huntington Beach and Seal Beach Littoral Cells. The study included a comprehensive evaluation of beach nourishment operations at Surfside-Sunset and West Newport and the development of a budget of sediment.

More recently, Mr. Hearon managed a comprehensive condition assessment of three Southern California breakwaters maintained by the US Army Corps of Engineers (King Harbor, Port San Luis, and Morro Bay). The specific objectives included assessing the current condition of the structures and providing recommendations for repairs and improvements. In the case of Port San Luis, a detailed evaluation of structural integrity and functional effectiveness was conducted. The work included developing plans and specifications for a recommended repair section.

Mr. Hearon is a member of the American Shore and Beach Preservation Association. He was a co-author for the California Beach Restoration Study. As a certified SCUBA diver, he has performed underwater inspections and deployed oceanographic instrumentation both in California and the Alaskan Arctic. He is a licensed professional engineer in the states of California and Alaska.