

## John Haines, Ph.D., Coastal and Marine Program Coordinator, U.S. Geological Survey

Dr. John Haines is currently the Coastal and Marine Program Coordinator for the U.S. Geological Survey. In that capacity he leads a coastal and marine geology program supporting research spanning issues including storm, tsunami and earthquake hazards; coral reef health; sediment and contaminant transport; gas hydrates; and sand and aggregate resources. A primary focus of the USGS coastal and marine program is to provide research and information products, including geologic, coastal, and habitat maps, vulnerability assessments, and models; that inform management decisions with respect to coastal change, natural hazards and marine resources.

As the USGS coastal and ocean programs coordinator John is responsible for engaging the breadth of USGS science in efforts to understand, forecast, and respond to priority national issues including coastal water quality, hazards, resource use, and ecosystem restoration. Dr. Haines represents the USGS on the Joint Subcommittee for Ocean Science and Technology; is a former co-chair of the Interagency Working Group for Ocean and Coastal Mapping; and is a member of the Department of the Interiors Senior Ocean Policy Team.

John received his Ph. D. in physical oceanography from Dalhousie University in Halifax, Nova Scotia. His thesis research developed and applied statistical tools to decompose multi-variate data sets and identify the structure of infragravity wave fields over complex nearshore topography. Joining the USGS as a research oceanographer in 1989 John published on topics including field observations and models of cross-shore flows in the nearshore environment, hurricane impacts on barrier islands, and the response of wetlands to variations in local sea-level over decadal time-scales. He participated in and led regional coastal erosion studies in Lake Michigan and Lake Erie. John was appointed to his current position, based in Reston, VA, in 2001.

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