

COVER PHOTOGRAPH CAPTION AND FRONT MATTER

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COVER PHOTOGRAPH



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KAYAK ISLAND, ALASKA

Oblique aerial view of the southern end of Kayak Island, Alaska, a narrow, 32-kilometer-long bedrock island that trends offshore in a southwesterly direction. This is one of the most striking geomorphic features on the classic leading edge rocky coast of southern Alaska. Structurally, this island is located in the Kayak Island zone, a southwest trending structural unit that occurs beyond the western margin of the Yakutat terrane, running parallel to the major thrust fault along the border of the Aleutian trench (Winkler, *et al.* 1992).

Probably the most striking geological feature on Kayak Island is the prominent knob at the southwest end of the island (clearly visible in this photograph) that consists of very pale gray dacite plug complex that forms the landmarks of Cape Saint Elias and Pinnacle Rock at the seaward end of the Island (Plafker, 1974). The dacite is very dense and hard, and is conspicuously jointed. It has a microgranitic and porphyritic texture, and consists of about 35 percent plagioclase, 35 percent quartz, 25 percent orthoclase, and 5 percent relict brown hornblende and biotite. It has sharp, nearly vertical contacts with adjacent dark-gray argillaceous rocks of the Yakataga and upper Poul Creek Formations that have been hornfelsed for at least 100 m around the intrusion. This dacite plug intrudes the upper part of the Yakataga Formation and must be at least as young as Miocene, more likely Pliocene, because it has been emplaced after the enclosing strata were deformed (Winkler and Plafker 1981).

This photograph, taken in the summer of 1970 by Miles O. Hayes, was one of the featured images in the tone poem, *Suzanne's Lament*.

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Dr. Charles W. Finkl is President and Executive Director of the Coastal Education & Research Foundation [CERF], publisher of the JCR. Charlie, a founding editor of the *Journal of Coastal Research*, has served as Editor-in-Chief for the past 27 years. He is a Research Professor in the Department of Geosciences at Florida Atlantic University in Boca Raton, Florida. He received his Bachelor and Master of Science degrees from Oregon State University and the Ph.D. from the University of Western Australia. He is a member of more than 20 professional societies and has published more than 200 professional papers, books, and reports. He is a Chartered Marine Scientist (CMarSci) [Institute of Marine Engineering, Science and Technology], Certified Professional Geological Scientist (CPGS) [American Institute of Professional Geologists (AIPG)], Certified Professional Soil Scientist (CPSSc) [American Registry of Certified Professionals in Agronomy, Crops, and Soils], and a Professional Wetland Scientist (PWS) [Society of Wetland Scientists]. Charlie has field experience in parts of the USA, Caribbean area, Brazil, Honduras, Russia, South Africa, Western Europe, Australasia, and South Pacific islands. He is also the Series Editor of the Encyclopedia of Earth Sciences Series that is published by Springer (Germany). There are more than twenty-eight volumes in the Series and about twenty-five are available online. Charlie also serves on the Editorial Board of the *International Journal of Environmental Studies* (Routledge) and is an occasional peer reviewer for many other professional journals.

Charlie has interests and expertise in the general areas of surficial geology, coastal and marine geomorphology (including coastal classification), coastal/marine biophysical environments, exploration geochemistry, soils and weathering (regolith geology), coastal zone management and engineering applications or impacts on natural systems (including erosion control and shore protection), coastal hydrology including submarine freshwater and mineralized seeps, subaerial and marine structural geology, natural hazard mitigation in coastal zones, marine environments and coastal wetland protection and restoration, and remote sensing (e.g. land cover classification in coastal wetlands, advection-diffusion turbidity plumes in coastal waters, delineation of bottom types and sand resources), effluent disposal and pollution of wetlands and estuaries, water resources mapping and conservation, time series studies of wetland hydroperiod and soil moisture.

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An International Forum for the Littoral Sciences

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