



COVER PHOTOGRAPH AND FRONT MATTER: LYTTELTON HARBOUR, CHRISTCHURCH, NEW ZEALAND

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COVER PHOTOGRAPH



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Lyttelton Harbour, Christchurch, New Zealand. Mechanics Bay on the north side of the entrance to Lyttelton Harbour at Christchurch, New Zealand. The photograph shows a plume of dredgate following the trailer suction dredge 'Pelican.' The split hopper is closing as 'Pelican' moves off from the designated dump location having released 965 m³ of silt size sediment. Concerns of the behavior and possible further transport of the dredgate once deposited on the bottom were addressed by the Port and are discussed in this issue of the JCR (McLaren and Tear, 2014). The 'Pelican' is one of two trailer suction dredges used for the maintenance dredging of the Lyttelton Harbour navigation channel. (Photograph taken in 2010 by Gary Tear, OCEL Consultant to the Port of Lyttelton at Christchurch, and caption by Patrick McLaren, SedTrend Analysis Limited, Brentwood Bay, British Columbia, Canada.)

McLaren, P. and Tear, G., 2014. A Sediment Trend Analysis (STA®) in support of dredged material management in Lyttelton Harbour, Christchurch, New Zealand. *Journal of Coastal Research*, 30(3), 438–447.

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Because CERF is concerned with broad environmental issues, our efforts concentrate on significant problems such as maintenance of good quality (potable) water with adequate supply, and hazards associated with potential beach erosion, flooding, and susceptibility of developed shorelines to storm surge and wave attack. By focusing attention on these potential man-made and natural hazards, it is hoped that our research efforts will help others improve the quality of life in diverse coastal areas. CERF thus aims to stimulate awareness of coastal (marine and freshwater shorelines) land and water problems; initiate and foster research and innovation to promote long-term coastal productivity; establish an educational forum for the debate of contentious coastal issues; and develop new principles and approaches for enlightened coastal management, and encourage their adoption and use.



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Charles W. Finkl Ph.D., CSci, CMarSci, FIMarEST, CPGS, CPSSc, PWS

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 30 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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