



# **SEAFLOOR MORPHOLOGY – Bute Inlet, British Columbia**

Brian D. Bornhold  
Pacific Geoscience Centre  
Geological Survey of Canada

and  
David B. Prior  
Coastal Studies Institute and  
Department of Geology & Geophysics  
Louisiana State University

These maps depict the seafloor morphology related to the principal Holocene sediment transport systems in Bute Inlet. The interpretations are based on sidescan sonar and high-resolution seismic surveys conducted between 1984 and 1986.

References: Prior, D.B., Bornhold, B.D. and Johns, M.W., 1986. Active sand transport along a fjord-bottom channel, Bute Inlet, British Columbia: *Geology*, v. 14, p. 581-584.  
Prior, D.B., Bornhold, B.D., Wiseman, W.J. and Lowe, D.R., 1987. Turbidity current activity in a British Columbia fjord: *Science*, v. 237, p. 1330-1334.

Prior, D.B. and Bornhold, B.D., 1988. Submarine morphology and processes of fjord fan deltas and related high-gradient systems: modern examples from British Columbia: in Nemec, W. and Steel, R.J. (Eds). *Fan Deltas: Sedimentology and Tectonics Settings*. Blackie and Sons., p. 125-143.

GSC OPEN FILE 1989  
Sheet 1 of 2

This document is the property of the Geological Survey of Canada and is loaned to you for your use only. It is not to be distributed outside your organization without the written permission of the Director, Geological Survey of Canada.