

this session was to define a research agenda, an exercise that had not been carried out for a long time and which we deemed necessary because of: a) global change implications, b) renewed interest in tidal power generation, c) changing views on coastal zone management practices. These were the most important topics of the agenda: (1) map the entire Bay floor using multibeam bathymetry, paying special attention to mussel reefs and large sand and gravel bedforms; (2) establish the timing of origin of the big sand waves on the bottom of the Bay; (3) establish a sediment budget, paying special attention to the different contributions of bedload, suspended load, organic and inorganic matter; (4) improve understanding of sea level rise over the last 10,000 years; (5) establish the proportions of organic and non-organic material in the sediment column; (6) establish a sediment monitoring system in the upper Bay prior to removing the Petitcodiac causeway; (7) quantify the role of winter ice as a source of sediment and in relation to marsh ecology; (8) quantify the effects of (increased) wave activity on exposed marsh cliffs; (9) compile detailed high-resolution LIDAR surveys of marshes and mudflats; (10) integrate modern and historical bathymetric data with historical aerial photography and HR satellite imagery; (11) expand monitoring of dredge spoil disposal sites, as at Saint John (NB), to elsewhere; (12) address bottom fishing and its effects on benthic communities and sediment erosion. The 2008 session has been convened to document progress and revisit the agenda in the light of recent (political) developments.

**A research agenda for Fundy: results from the
2006 'Fundy Session' at the Atlantic
Geoscience Society Colloquium**

ELISABETH C. KOSTERS¹, KARL BUTLER²,
GORDON FADER³, TIM MILLIGAN⁴, KEE MUSCHENHEIM⁵,
D. RUSSELL PARROTT⁶, AND DANIKA VAN PROOSDIJ⁷
*1. Elisabeth Kusters Consultancy, 210 Main Street, Wolfville,
NS, B4P 1C4 Canada <eckusters@hotmail.com> ¶ 2. Department
of Geology, University of New Brunswick, Fredericton, NB,
E3B 5A3 Canada ¶ 3 Atlantic Marine Geological Consulting Ltd.,
2901 Parkdale Ave., Halifax, NS, B3L 3Z2 Canada ¶ 4. Fisheries and
Oceans Canada, Bedford Institute of Oceanography, Dartmouth, NS,
B2Y 4A2 Canada ¶ 5. Acadia Centre for Estuarine Research, Acadia
University, Wolfville, NS, B4P 2R6 Canada ¶ 6. Geological Survey of
Canada Atlantic, Bedford Institute of Oceanography, Dartmouth,
NS, B2Y 4A2 Canada ¶ 7. Department of Geography, Saint Mary's
University, Halifax, NS, B3H 3C3 Canada*

During the 2006 AGS Colloquium, we convened a session on "Sedimentation in the Greater Bay of Fundy". The aim of