2015 SNAME Arctic Section Luncheon Series

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2013 Tarsiut Caisson Potential Tow Route Survey at Tuktoyaktuk and Debris Survey at Thetis Bay

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ABSTRACT

In 2013 ConocoPhillips Canada as part of the process for the planned removal of the Tarsiut Caissons from Thetis Bay, and the proposed relocation to the western side of the Tuktoyaktuk peninsula, several surveys were carried out. The author acted as the Client survey lead and the offshore navigation quality control representative during the project. A detailed bathymetric survey west of the Tuktoyaktuk Approaches with sub bottom profiler and sea bed sampling was carried out as well as a location and debris surveys at Thetis Bay. The presentation will cover the results of these surveys.

SPEAKER BIOGRAPHY

Bruce Calderbank is President of Hydrographic Survey Consultants Intl. (HSCIL) in Calgary Alberta, specializing in offshore survey, navigation and positioning consultancy worldwide with over 37 years of experience. HSCIL has carried out consulting assignments as the Client Navigation Representative for over 30 companies, while supervising a variety of contractors.

He received a postgraduate Diploma in Hydrographic Surveying from Plymouth Polytechnic, England in 1980, and a Bachelor of Surveying Degree from the University of New South Wales, Australia in 1978. He has taken numerous continuing professional development courses since then.

He was the main co-author and editor in chief of the paralegal text Canada's Offshore: Jurisdiction, Rights, and Management, 3rd edition, published by the Association of Canada Lands Surveyors in 2006.

His articles have been published in the *Hydrographic Journal* (Numbers 122, 101, 90 and 64). As well he has been published in *Lighthouse* (the journal of the Canadian Hydrographic Association), *Geomatica* (the journal of the Canadian Institute of Geomatics), *International Hydrographic Review*, and *The Recorder* (journal of the Canadian Society of Exploration Geophysicists), amongst others.

He has held various voluntary positions and is currently the Chairman, Offshore Committee for the Association of Canada Lands Surveyors, a board member of the Royal Institution of Chartered Surveyors, Prairies Chapter, and the Director of the International Region of the Hydrographic Society of United Kingdom.

He has given presentations to the SNAME – Arctic Section previously in 1996, 2006 and 2009.