

Simon Melrose

Biography

Simon Melrose has worked in the field of applied ocean science since first coming to Canada in 1975. This has involved such diverse projects as designing the process whereby offshore oil exploration and production is protected from icebergs, opening the first private marine weather forecasting office in Canada and undertaking the main climate study for the Confederation Bridge. During this time he has been Senior Oceanographer and Environmental Coordinator for Petro-Canada's offshore operations, Director of Operations for the Weather Network and Vice President of Operations with Maclaren Plansearch, Lavalin Inc. He was an early proponent of the use of doppler sonar current profiling, directional wave measurement and the use of GIS systems. His field experience includes deep ocean studies off Greenland, Newfoundland and Labrador and Nova Scotia as well as shallow water studies in Canada, Europe and in the Far East. He has been involved in a number of Environmental Impact Assessments such as the Hibernia Development. He is now the Nova Scotia manager for Oceans Ltd, Canada's largest marine weather and oceanographic company, providing site specific forecasting to most of the offshore operations locally and in Newfoundland and Labrador. Oceans Ltd provided oceanographic assistance to Minas Basin Pulp and Power and now FORCE in support of the in stream tidal power development. Over the last 5 years the group has successfully mapped the currents and tides to help determine the optimum site for the Tidal Power Demonstration Project and provide the data to the turbine developers and to FORCE. He is a board member of Watts Wind Energy Inc and a member of Solar Nova Scotia. He is actively involved in renewable energy development and lives off-grid in Musquodoboit Harbour, using wind, solar heat and solar electricity.