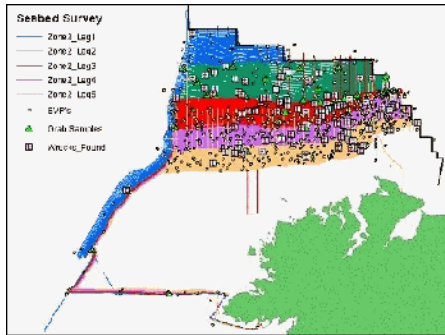


BOT Press Release: February 24, 2004

MOVING VESSEL PROFILER PART OF IRISH NATIONAL SEABED SURVEY

Brooke Ocean Technology Limited is pleased to announce the September completion of the *Marine Institute of Ireland's 2003 Seabed Survey*. The Marine Institute of Ireland employed BOT's **Moving Vessel Profiler 200** as part of their equipment aboard the survey vessel *R.V. Celtic Explorer*.

The *R.V. Celtic Explorer* surveyed 9717 square kilometres and 34,201 line kilometers in 101 operational days. This was 41% more coverage than had been expected. **776** sound velocity profiles were taken during the survey season, of which **652** were obtained using the Moving Vessel Profiler.



"The Moving Vessel Profiler proved to be a great time saver with its ability to be deployed underway. Each velocity profile newly acquired by the Moving Vessel Profiler was injected into the EM1002 swath bathymetric system without having to stop the line..."
 - from the cruise update report

"...The MVP has proven itself to be a superb piece of equipment..." - Guy Westbrook, PhD, Ocean Science Services division of the Marine Institute of Ireland



With an average operating speed of 8 knots, the vessel is equipped to gather sea floor information utilising state-of-the-art hydrographic and geophysical equipment. Among its array of equipment, the vessel is equipped with a *Kongsberg Simrad EM1002 multibeam echo sounder* and a *Kongsberg Simrad EA600 multi-frequency single beam echo sounder*. A *Geometrics G881 Magnetometer towfish* is also towed aft of the vessel. The MVP's 1-metre plane of operation allows multiple towed instruments to be deployed simultaneously. For more information on the Marine Institute of Ireland's Seabed Surveys, visit

their website at www.marine.ie.

The MVP™ is an underway CTD or sound velocity profiling system which permits near vertical data profiles to be collected with the use of a recoverable free fall fish. The system includes a computer-controlled smart winch and deployment system that permits the free fall fish to be deployed while the vessel is underway. MVP is completely automated, can be operated by computer without the requirement for personnel on deck and can provide real time sound velocity input into a multi-beam sounder.

The free fall fish can also be equipped with a variety of sensors, including a sound velocity probe, fluorometer and plankton counter. For multibeam surveys, MVP™ saves a minimum of 3 hours per day of ship time by eliminating the requirement to stop and complete a static cast. Significant savings in multibeam data processing can be realized through improved data quality.

BOT is a Canadian-based manufacturer of sensor platforms, cable handling systems and launch/recovery systems. Other MVP™ systems are in use in Canada, USA, Japan, China, Korea, Ireland, UK and Norway.

For further information visit www.brooke-ocean.com or contact:

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