

SOOP Report for 2014

Country = 

<b>a. Programme description:</b>			
<b>Line</b>	<b>Agency</b>	<b>Sampling programme and target mode (if applicable)</b>	<b>No. of ships</b>
Bonavista	Fisheries and Oceans Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4/year target (3 times in 2014)	2
Flemish Cap	Fisheries and Oceans Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4/year target (3 times in 2014)	2
Seal Island	Fisheries and Oceans Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4/year target (2 times in 2014)	2
South East Grand Bank	Fisheries and Oceans Canada	Canadian Atlantic Zone Monitoring Program, research vessels – 4/year target (1 times in 2014)	1
Halifax	Fisheries and Oceans Canada	Canadian Atlantic Zone Monitoring/Off-Shelf Monitoring Program – 4/year target (2 times in 2014, including 1 off-shelf extension)	1
Louisbourg	Fisheries and Oceans Canada	Canadian Atlantic Zone Monitoring/Off-Shelf Monitoring Program – 4/year target (2 times in 2014)	1
Makkovik Bank	Fisheries and Oceans Canada	Newfoundland Region Annual Sampling – 1/year (1 time in 2014)	1
Browns Bank	Fisheries and Oceans Canada	Canadian Atlantic Zone Monitoring/Off-Shelf Monitoring Program – 4/year target (2 times in 2014)	1
White Bay	Fisheries and Oceans Canada	Newfoundland Region Annual Sampling – 1/year (1 time in 2014)	1
A7RW	Fisheries and Oceans Canada	Canadian Atlantic Zone Off-shelf Monitoring Program, research vessels – 2/year target (1 time in 2014)	1
Line P	Fisheries and Oceans Canada	Line P Monitoring Program – 3/year (3 times in 2014)	1

<b>b. Data management</b>		
<b>Agency</b>	<b>No. of JJVV messages on the GTS in 2014</b>	<b>Location of delayed-mode data</b>
Fisheries and Oceans <input type="checkbox"/> Canada (Oceanography and Scientific Data)	251	Fisheries and Oceans (120 messages) Royal Canadian Navy (131 messages)

**c. Major challenges and difficulties:**

The Royal Canadian Navy stopped sending BATHYs in April 2014 and resumed in March 2015. We will attempt to collect missing XBT profiles on a best effort basis.

**d. Research / development / testing:**

A BUFR decoding program was written and successfully tested to decode BUFR messages in the 315004 and 315003 templates from RJTD and KWBC

**e. Other comments:**

Ships from the Royal Canadian Navy are not identified individually.

The Kinguk, a trawler from the Northern Shrimp Research Foundation of Canada, in partnership with Fisheries and Oceans Canada, sampled 319 CTD casts in NAFO areas 0AB, 2GH and 1BC, 154 of which were sent in real time as TESAC messages (KKYY).

An additional 2932 TESAC (KKYY) messages (CTDs) were sent from Canadian Coast Guard ships.

A thermosalinograph is installed on the Oceanex Connaigra, a cargo ship which sails regularly between St. John's NL and Montréal QC. The data are uploaded to the Maurice-Lamontagne Institute (Fisheries and Oceans Canada) in real-time. We are planning to start sending TRACKOB messages in 2015/2016.

An academic consortium, CERC Ocean (MEOPAR, IORE) based at Dalhousie University, Halifax NS, is leading a project to equip offshore supply vessels with observation equipment, currently on the Scotian Shelf and Grand Banks.