

**WORLD METEOROLOGICAL ORGANIZATION**

**INTERGOVERNMENTAL OCEANOGRAPHIC  
COMMISSION (OF UNESCO)**

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JOINT WMO/IOC TECHNICAL COMMISSION FOR  
OCEANOGRAPHY AND MARINE METEOROLOGY  
(JCOMM)  
EXPERT TEAM ON SEA ICE – FOURTH SESSION

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ETSI-IV GDSIDB-XI/Doc. 3.6.2 (Canada)  
(10.II.2010)

STEERING GROUP FOR THE PROJECT GLOBAL DIGITAL  
SEA ICE DATA BANK (GDSIDB) – TWELTH SESSION

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ITEM 3.6.2

ST PETERSBURG, RUSSIAN FEDERATION  
1 TO 5 MARCH 2010

Original: ENGLISH

## **Ice Climatology in the Canadian Ice Service**

*(Marie-France Gauthier / Guy Stogaitis, Canadian Ice Service)*

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This document contains a brief summary of activities related to Ice Climatology  
being undertaken by the Canadian Ice Service.

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### **ACTION PROPOSED**

The Expert Team on Sea Ice (ETSI) is invited to:

- (a)** Take note of the activities in the following.
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#### Ice Graph Tool

The ice graph tool is a program used to generate statistics about ice in Canadian waters. Statistics may be computed from a number of pre-defined areas. The data is based on the Canadian Ice Service Digital Archive - Regional Charts collection. For every available area, information regarding the concentration of various stages of development of ice is extracted from all available Regional Ice Charts in Geographic Information System (GIS) compatible data and summarized in a database that is used by this tool.

The tool is freely available for public use and is found on the Canadian website at: <http://ice-glaces.ec.gc.ca/IceGraph/IceGraph-GraphdesGlaces.jsf?id=11874&lang=eng>.

For more detailed information about Ice Graph, go to:

<http://ice-glaces.ec.gc.ca/App/WsvPageDsp.cfm?ID=11873&Lang=eng#interpret>

#### Seasonal Summaries

The Canadian Ice Service has been producing a Seasonal Summary for the Eastern Canadian Waters, the Great Lakes and the Canadian Arctic for many years. These documents provide a post-seasonal summary of prevailing ice conditions and related weather. Recent editions are available in PDF format on the CIS website <http://www.ice-glaces.ec.gc.ca/> under “Ice Archive”. In light of increasing demand on resources the Canadian Ice Service is currently meeting with users and re-evaluating the need for this product and its format.

