SUBMISSION TO THE NUNAVUT WILDLIFE MANAGEMENT BOARD

FOR

Information: X **Decision:**

Issue: Summary of the 2016 Hydrographic Survey Plan for the Arctic.

Background:
It should be noted that the Canadian Hydrographic Service (CHS) conduct hydrographic surveys with the primary goal of updating official Government of Canada navigational products to the benefit of enhanced navigation safety. Data from hydrographic surveys has additional utility for those conducting everything from fisheries research, coastal zone management, to geo-hazards analysis.

Here's a summary of the CHS plans for the Arctic in 2016:

1) Baker Lake/Chesterfield Narrows
Purpose: To collect modern bathymetry, water level and current data in the area of Chesterfield Narrows to facilitate enhanced navigational products to the benefit of vessels transiting this area.
Platforms: Various vessels and/or aircraft – TBD.
Dates: August 5th to August 15th, 2016 (approximate).

2) Victoria Strait Survey
Purpose: CHS will expand the modern hydrographic data coverage through Victoria Strait as a result of participating in a multi-departmental initiative led by Parks Canada whose aim is to locate the remaining lost vessel HMS *Terror* from the Franklin Expedition of 1846. All CHS data collected will be used to update or produce navigational publications. Note: The Royal Canadian Navy (RCN) vessel tasked with this may also conduct hydrographic operations prior to or immediately after this survey in key portions of Arctic navigation corridors, on an opportunity basis.
Platforms: RCN vessel (Kingston Class), name to be determined.
Dates: August 30th to September 15th, 2016 (approximate).

3) SW Foxe Basin Survey
Purpose: To collect modern bathymetry in vicinity of Southampton Island including but not limited to Coral Harbour, Fisher Strait, Roes Welcome Sound, Wager Bay, Chesterfield Inlet, Repulse Bay and Frozen Strait. The data collected from this work will be used to update or produce navigational publications.
Platform: RCN vessel (Kingston Class), name to be determined.
Dates: August 20th to September 17th, 2016 (approximate).

4) Milne Inlet and Akpatok Island Surveys
Purpose: Working with the Canadian Coast Guard (CCG) to collect modern bathymetry in vicinity of the Baffinland mines site in Milne Inlet and the area north east of Akpatok Island in Ungava Bay. The data collected from this work will be used to update or produce navigational publications. The data from Akpatok Island will also be used by Natural Resources Canada for the analysis of seabed formations.
Platform: CCG vessel *Henry Larsen* and CHS launch *Harlequin*.
Dates: August 3rd to September 7th, 2016 (approximate).

Prepared by: Tim Janzen, Manager Operations
Canadian Hydrographic Service, Fisheries and Oceans Canada (Central and Arctic Region)

Date: February 26, 2016