



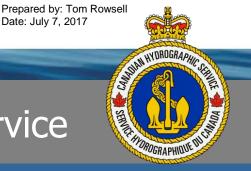
7th Arctic Regional Hydrographic Commission (ARHC7) Meeting

Hydrographic and Charting Activities in the Canadian Arctic

Ilulissat, Greenland

August 23-24, 2017





Date: July 7, 2017

Canadian Hydrographic Service

Presentation will cover:

- Surveys and Production during 2016 fiscal year
- Planned Surveys and Production for 2017 fiscal year



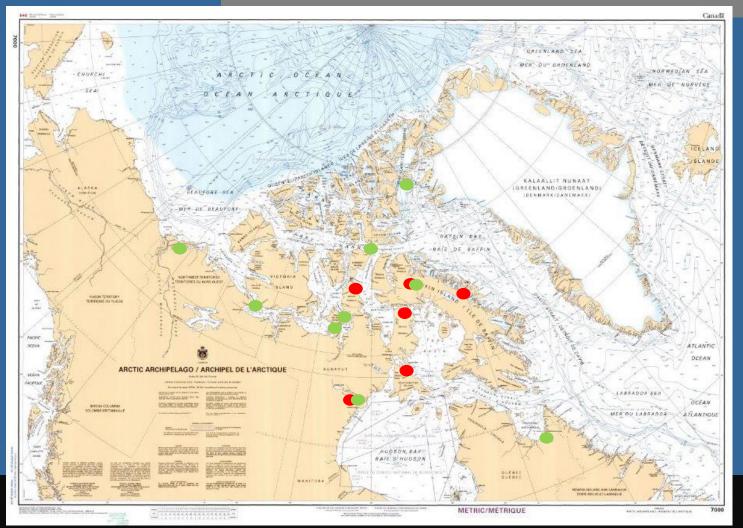


Surveys and Production during 2016 fiscal year





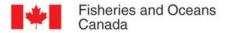




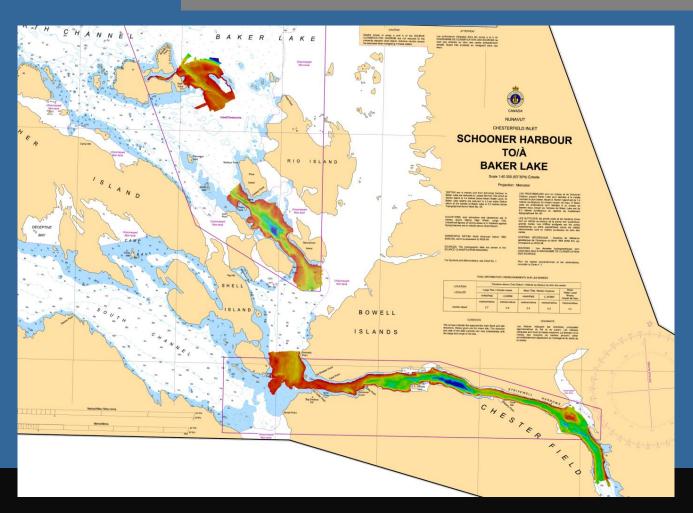
2016-17 Surveys and Production

- survey
- chart









Chesterfield Inlet Surveys (under contract)





Fisheries and Oceans

Canadian Hydrographic Service

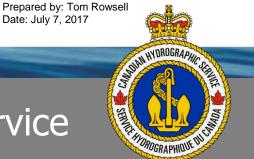


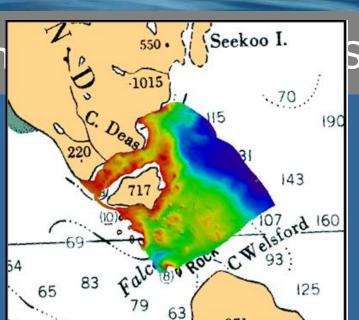
Royal Canadian Navy – data collection (2 vessels):

- Clyde River
- **Bellot Strait**
- Cape Felix
- Victoria Strait



Liddon Island





ELDER

ORMONDE

Service

CCGS Henry Larsen - data collection:

- Milne Inlet (7212)
- Fury and Hecla Strait (7487)
- Falcon Strait (7404)

Canada





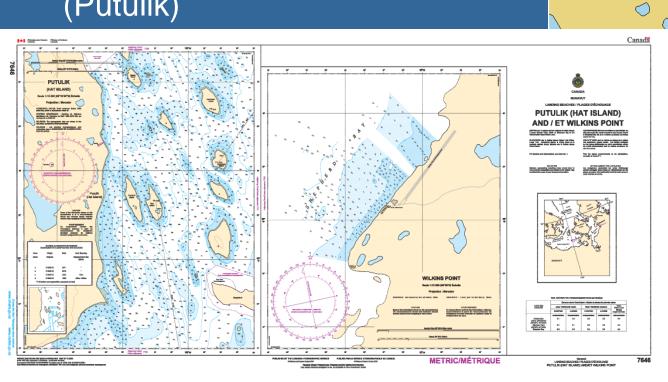
Arctic Navigational Publications released during 2016 fiscal year

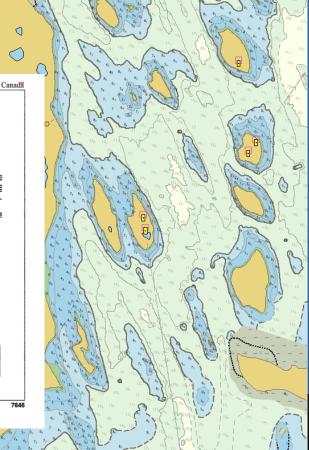


vice

Canadian Hydrographic Service

New ENC and Paper chart for Hat Island (Putulik)







Fisheries and Oceans



Canadian Hydrographic Service



New Edition

5335: George River

7371: Alexandra Fiord

7527: Erebus and Terror

Bay and Radstock Bay

7710: Lambert Channel

and Cache Point

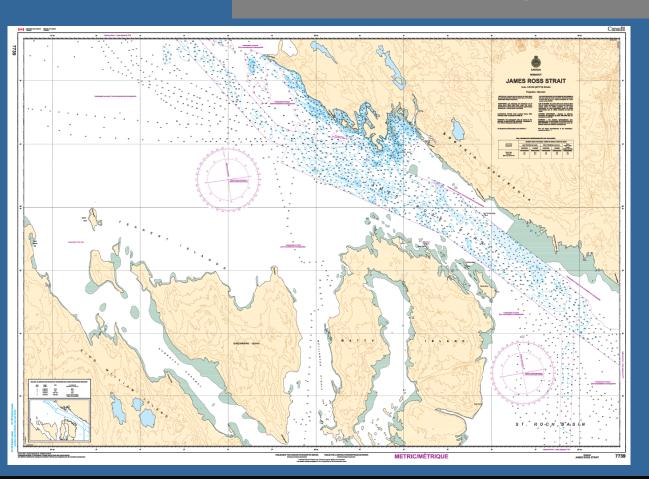
Channel

7685: Tuktoyuktuk



EST COST CONTROL OF THE PROPERTY OF THE PROPER

Canadian Hydrographic Service



New Paper Chart 7739: James Ross Strait

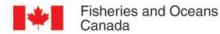
New ENCs: Chesterfield Inlet 7513: Milne Inlet Southern Portion



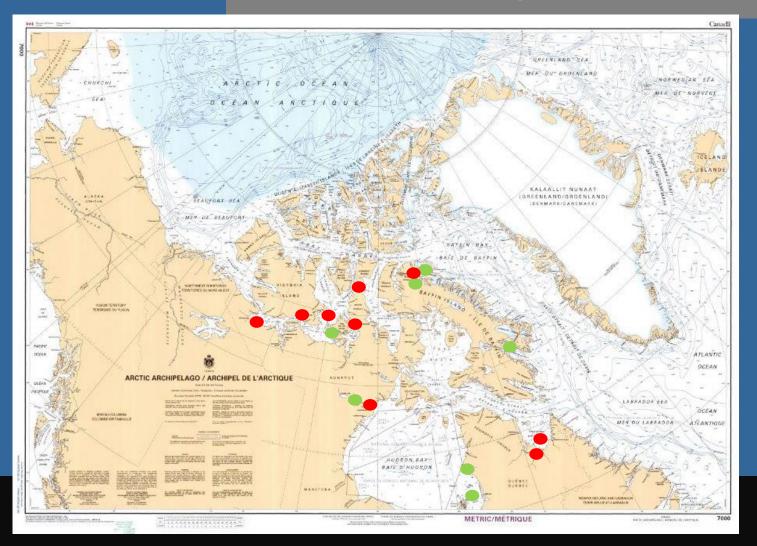


Arctic Surveys and Publications planned for 2017 fiscal year







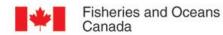


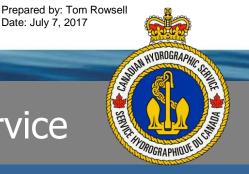
2017-18 planned Surveys and **Production**

- survey
- chart

13 of 28







Date: July 7, 2017

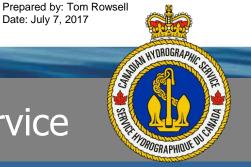
Canadian Hydrographic Service

Means of collecting Hydrography in 2017:

- CHS regular acquisition program (Western Arctic)
- Partnering with other branches in Government (South Ungava Bay, portion of Leg 3 (Oceanography) in Western Arctic)
- Contracting with the Private sector (Ungava Bay corridors)
- Opportunistic Hydrography (Royal Canadian Navy HMCS Kingston for transit through Northwest Passage)
- Targeted Crowd-Sourcing (RSS Shackleton for transit through Northwest Passage)
- Controlled Crowd-Sourcing (Foreign Vessel Permitting: Germany: MS Maria S Marian, Korea: RV Araon)









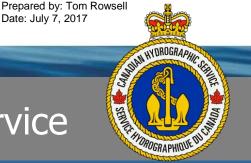
Eastern Arctic Surveys-CCGS Henry Larsen:

Date: July 7, 2017

- **Koksoak River Narrows**
- **Chesterfield Inlet**







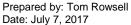


Western Arctic Bathymetry- CCGS Sir Wilfrid Laurier.

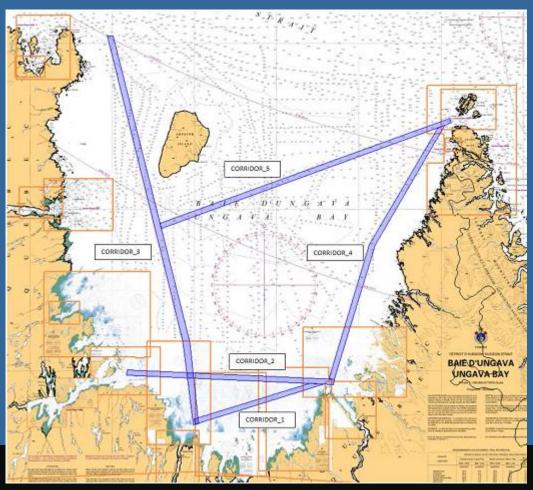
Date: July 7, 2017

Collect data during transit from Beaufort Sea to Bellot Strait

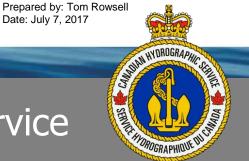


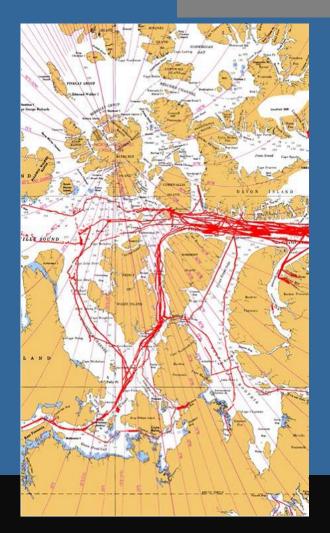






Ungava Bay Corridors -Contract with Private Sector for hydrographic services

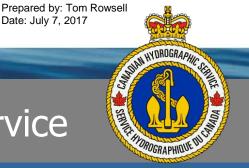




Pond Inlet to Cambridge Bay-HMCS *Kingston*:

Expansion of Low Impact
 Shipping Corridors







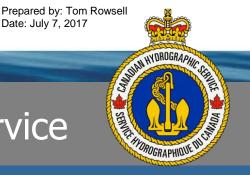
Targeted crowd sourced bathymetry:

Date: July 7, 2017

Portable multi-beam echo-sounding system

(4 procured in 2016-17)



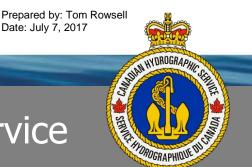


Date: July 7, 2017

Canadian Hydrographic Service

In an effort to accelerate the acquisition of modern hydrography in the Arctic, the Canadian Hydrographic Service is collaborating with the Canadian Coast Guard to install multi-beam sonars in icebreakers. Two icebreakers are equipped to collect modern hydrography during the 2017 Arctic navigation season, CCGS Sir Wilfrid Laurier and CCGS Amundsen. By the 2019 season and thereafter, plans are underway for six icebreakers to be fully equipped to collect modern hydrography in the Arctic.





Date: July 7, 2017

Canadian Hydrographic Service

Arctic Navigational Publications planned for the 2017 fiscal year



Fisheries and Oceans

Canadian Hydrographic Service



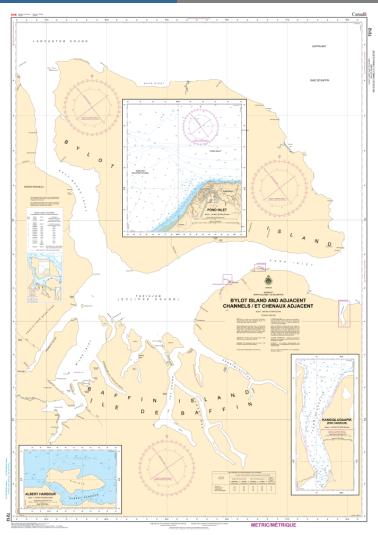
New Paper Chart 7513: Milne Inlet Southern Portion



Fisheries and Oceans

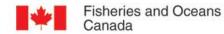


Canadian Hydrographic Service



New edition ENC and Paper Chart for 7212 Bylot Island, 5505 Bélanger Island to Cotter Island



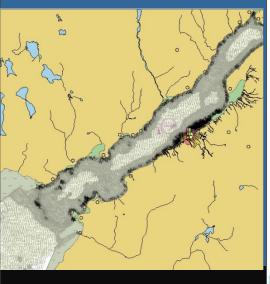


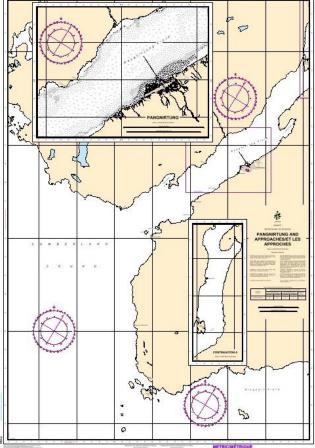
Prepared by: Tom Rowsell Date: July 7, 2017

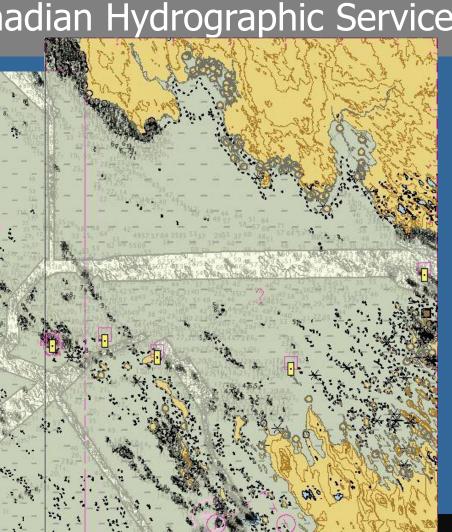
Canadian Hydrographic Service



New ENCs and NE Paper Chart for 7150: Pangnirtung



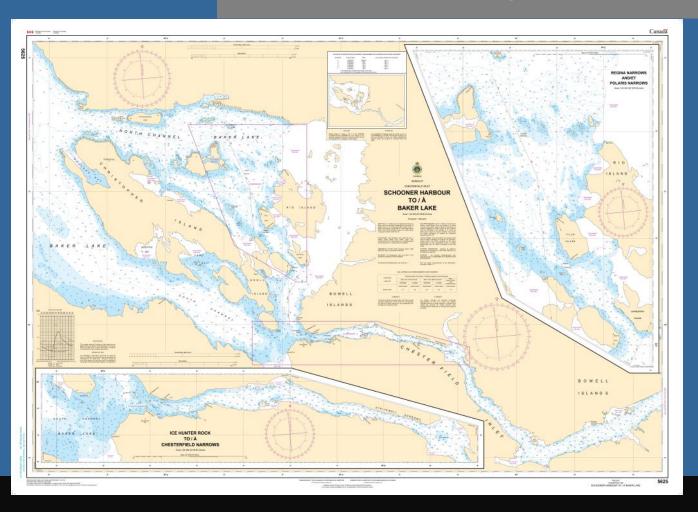




New ENCs for Requisite Channel and Storis Passage





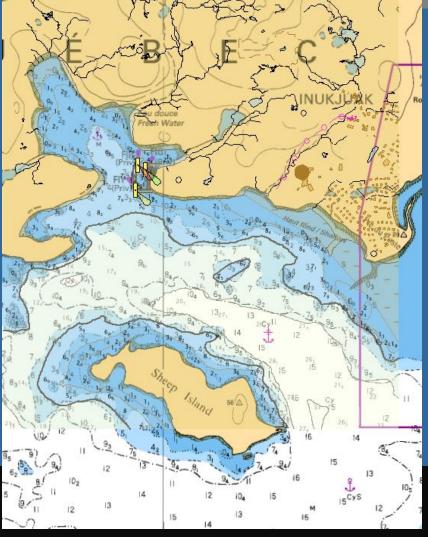


New Edition Paper Charts for all of Chesterfield Inlet

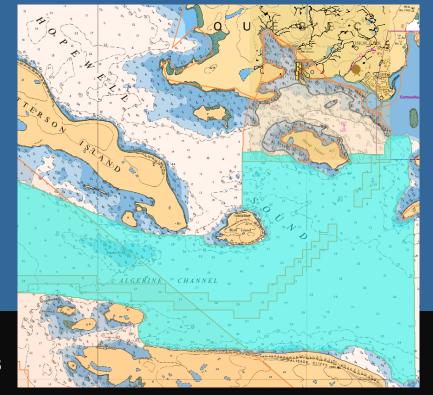


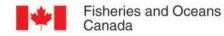


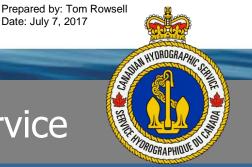




Inukjuak – 5471 New ENC for main chart







Thank you, any questions?

For more info contact:

