



Fisheries and Oceans  
Canada

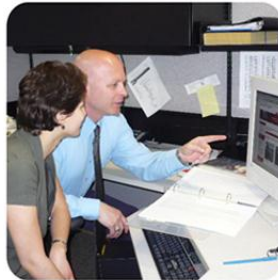
Pêches et Océans  
Canada

Canadian  
Coast Guard

Garde côtière  
canadienne



Safety First, Service Always



## **Coast Guard Partnerships in the Arctic: Supporting Development and Mobilizing Opportunity**

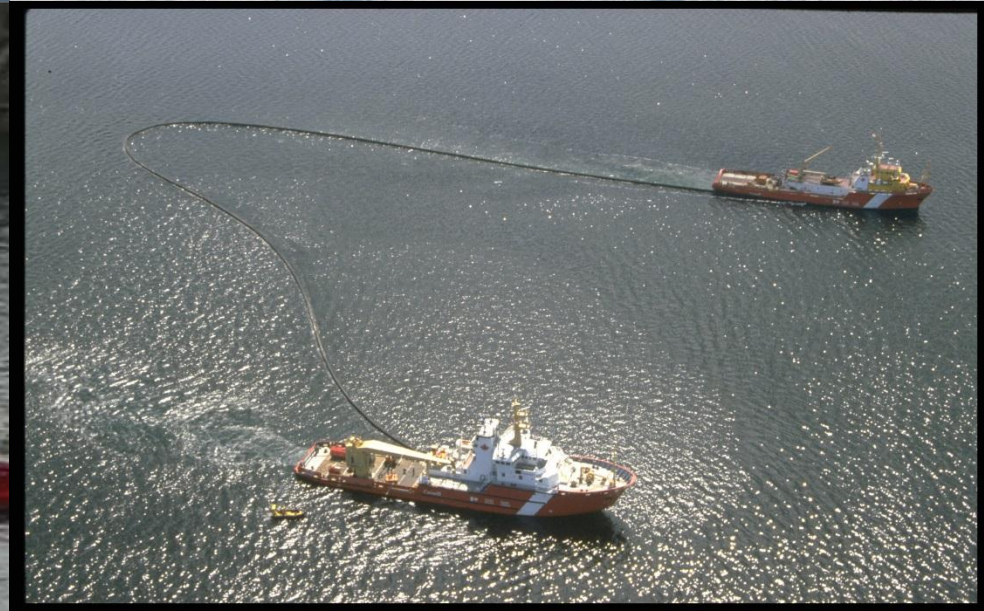
Neil O'Rourke

Senior Director, Safe Shipping and Economic Intelligence

June 13 2018

Canada 

# Canadian Coast Guard

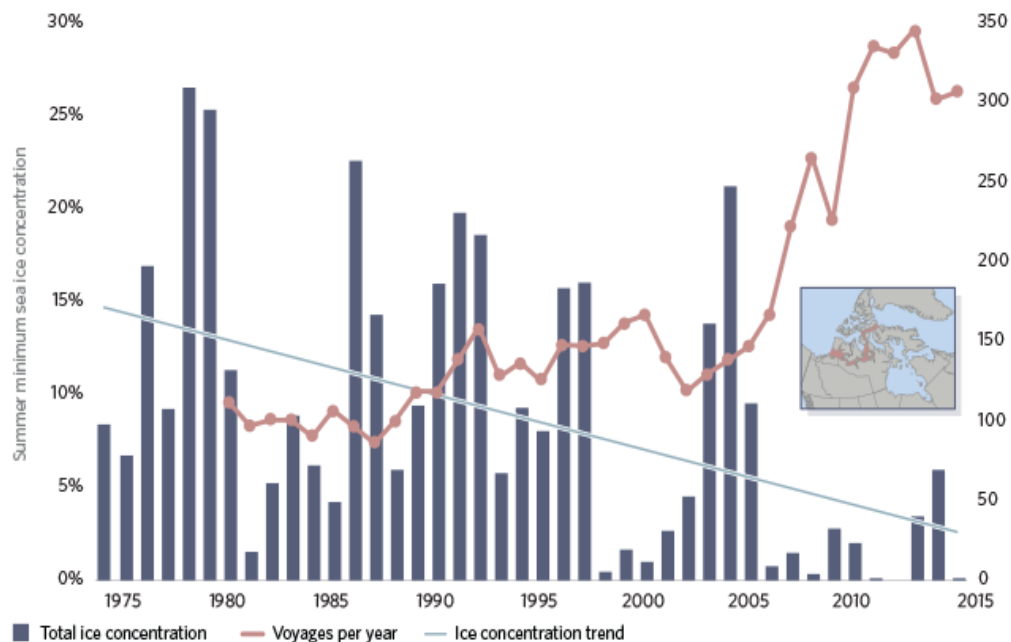


# Arctic Traffic Patterns

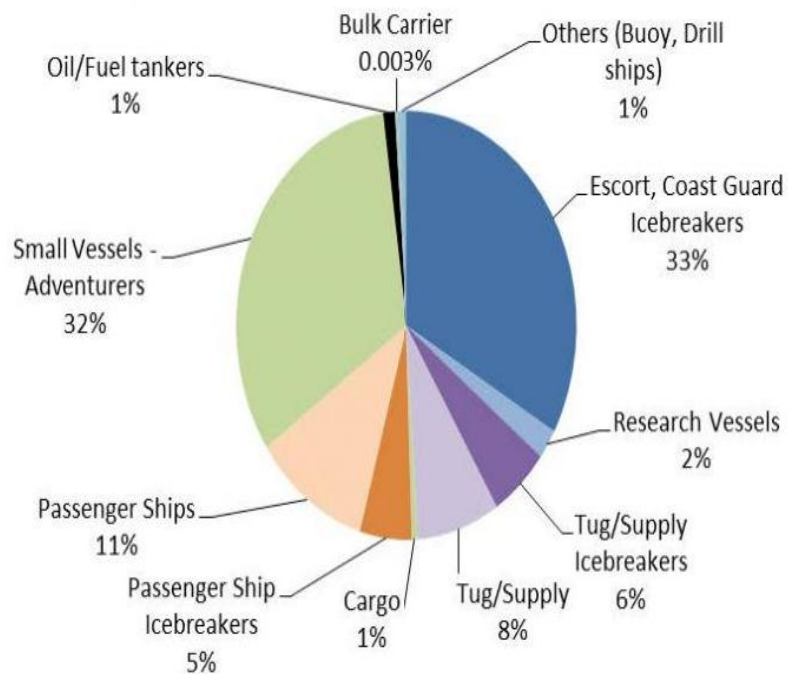


## Arctic Vessel Traffic More Than Doubled as Sea Ice Retreated Over the Past 40 Years

Annual summer minimum sea ice concentration and number of vessel voyages, 1974-2015



## Type of ships in the Northwest Passage



Sources: Canadian Ice Service, Ice Graph application, <http://iceweb1.cis.ec.gc.ca/IceGraph/page1.xhtml?lang=en>; Canadian Coast Guard, "NORDREG 1980-2015 Shipping Summary" (Arctic vessel traffic data from Jean-Pierre Lehnert at Canadian Coast Guard Base Iqaluit, Nov. 7, 2015)

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# Map of Canadian Coast Guard Arctic Resources



**Legend**

- ☆ Main Base
- (i) MCTS Centre
- CCGA Units
- ER Depot
- Rapid Air Transportable (RAT) cache
- Arctic Community Pack (ACP)

**Arctic Fleet**

**Heavy Icebreakers**

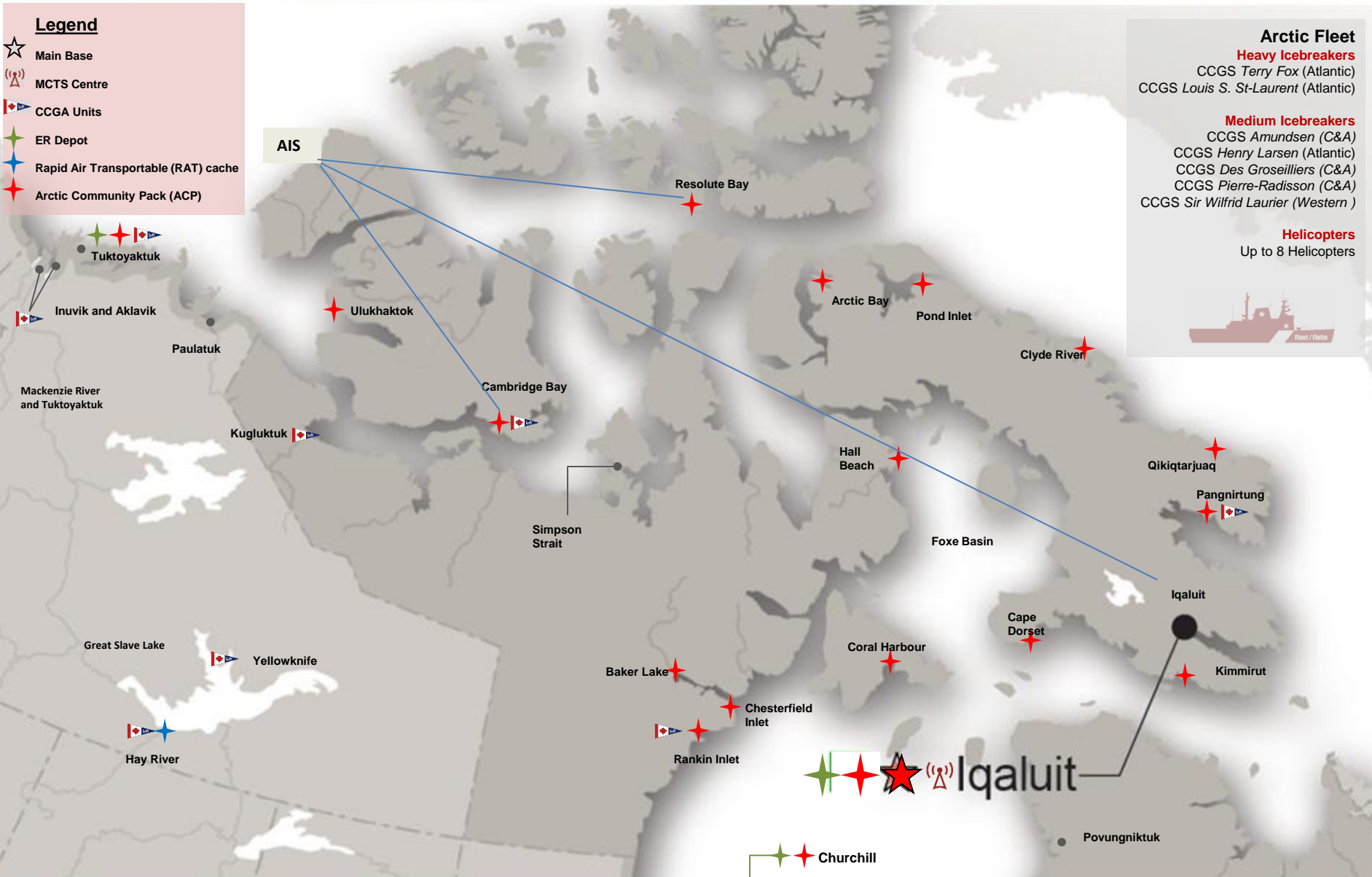
- CCGS Terry Fox (Atlantic)
- CCGS Louis S. St-Laurent (Atlantic)

**Medium Icebreakers**

- CCGS Amundsen (C&A)
- CCGS Henry Larsen (Atlantic)
- CCGS Des Groseilliers (C&A)
- CCGS Pierre-Radisson (C&A)
- CCGS Sir Wilfrid Laurier (Western)

**Helicopters**

Up to 8 Helicopters



# Opportunities: Oceans Protection Plan



## An Investment in the Future

On November 7, 2016, the Prime Minister announced a \$1.5 billion national Oceans Protection Plan (OPP) to:

- Improve marine safety & responsible shipping
- Protect Canada's marine environment
- Offer new opportunities for Indigenous and coastal communities

## Arctic initiatives include:

- Increased icebreaker presence
- Expanding the Coast Guard Arctic Auxiliary Branch and expanding opportunities for training in Search and Rescue and Environmental Response to more efficiently respond to marine emergencies
- Opening the seasonal Rankin Inlet Inshore Rescue Boat station
- Modern hydrographic surveys to address gaps in Arctic data and charts.
- Expanding the Indigenous community boat program
- Investments to enhance and expand marine training opportunities for women, Northerners, and Indigenous peoples in Canada's Arctic.

*The \$1.5 billion Oceans Protection Plan unveiled today will make Canada a world-leader in marine safety and takes a powerful step toward co-management of our coasts with Indigenous and coastal communities, together making sure they remain healthy, clean, and safe for generations to come."*

*—The Rt. Hon. Justin Trudeau, Prime Minister of Canada*



# Low Impact Shipping Corridors

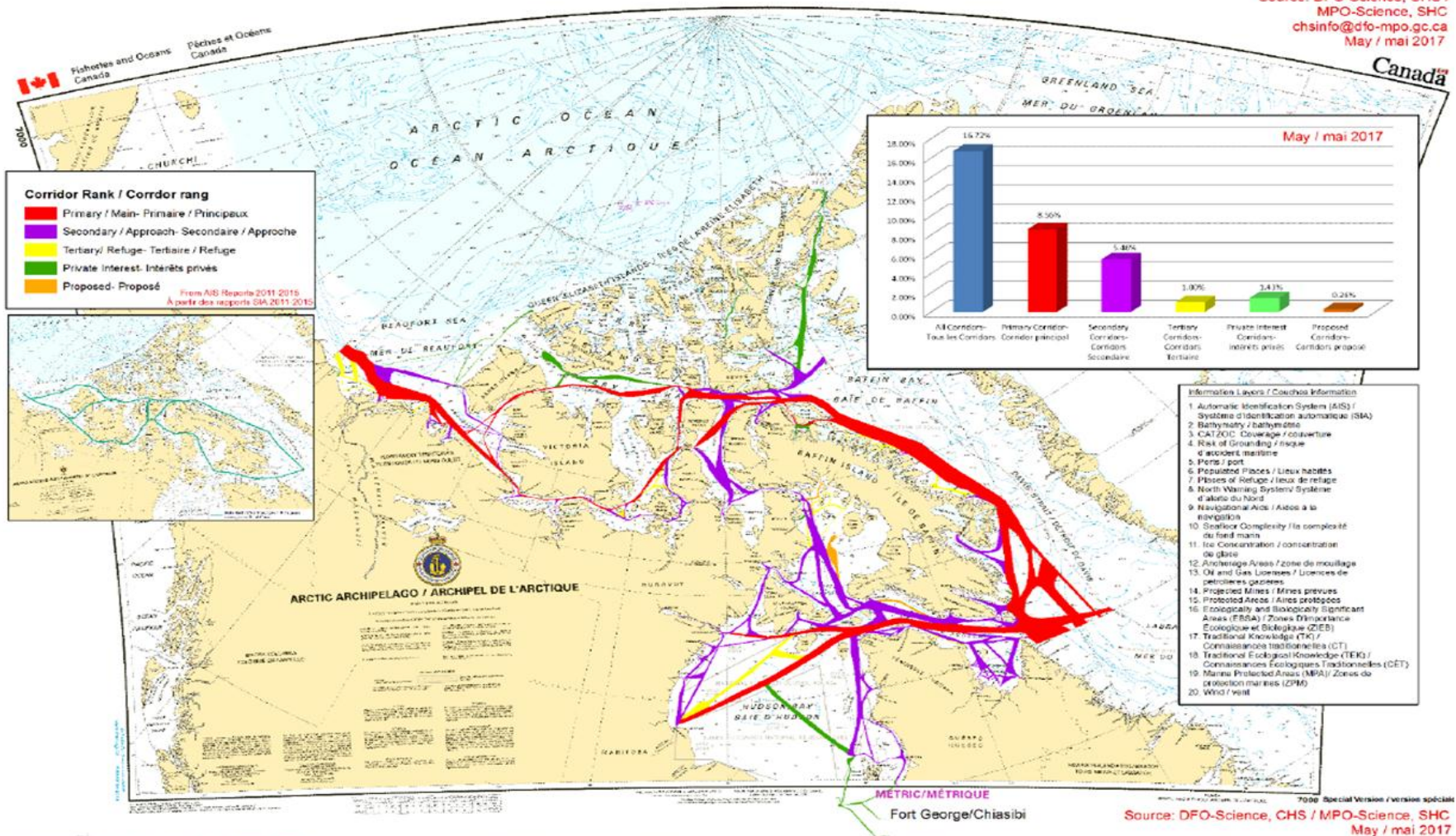


## Northern Low Impact Shipping Corridors / Corridors de navigation nordiques à faible impact

Total area of water inside the NORDREG: 3,749,856km<sup>2</sup>  
Superficie totale de l'eau dans la zone NORDREG : 3,749,856km<sup>2</sup>

Corridor Coverage: 453,638 km<sup>2</sup> (12.10%)  
Couverture des corridors: 453,638 km<sup>2</sup> (12.10%)

Source: DFO-Science, CHS /  
MPO-Science, SHC  
chsinfo@dfo-mpo.gc.ca  
May / mai 2017



# Areas of Focus



## Arctic Safety and Environmental Protection

- Investments in safety equipment and marine infrastructure in the Arctic



## Indigenous Training

- Opportunities for Inuit participation in marine emergency response
- Enhanced Arctic Canadian Coast Guard Auxiliary



## Indigenous Engagement

- Development of Low Impact Shipping Corridors co-governance model
- Creation of partnership agreements



## Industry Collaboration

- Economic impact study on marine community resupply
- Engagement with industry on major project investments and impacts on marine



## International Leadership

- Working with neighbours: United States Coast Guard and Danish Joint Arctic Command
- Arctic Coast Guard Forum: Canada, United States, Denmark, Norway, Sweden, Finland, Russia, Iceland

# Opportunity through partnership

