

Arctic/Offshore Patrol Ship (AOPS)



Maritime Security Program Workshop

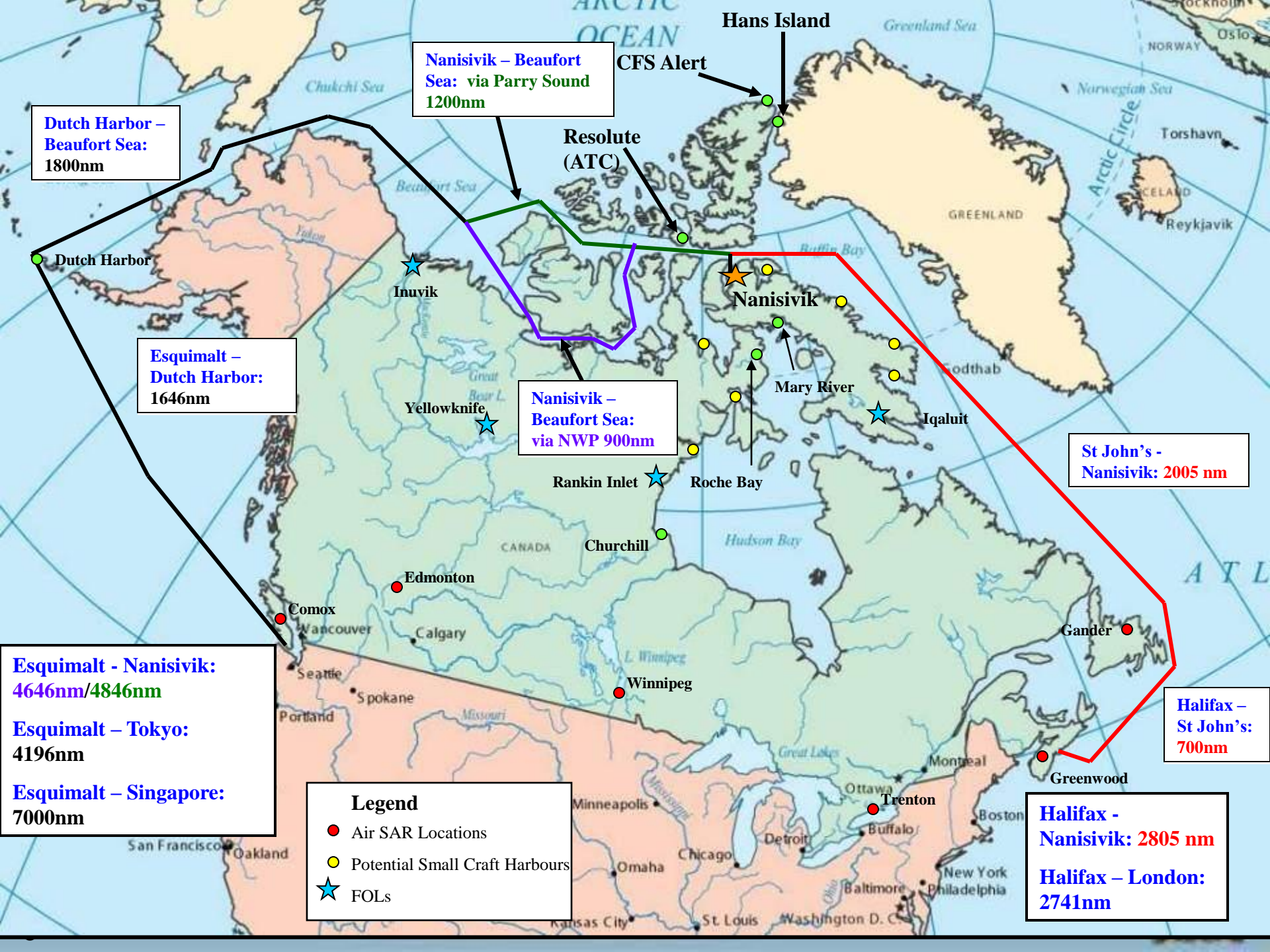
Lieutenant Commander Jamie Sangster
AOPS Detachment Commander
6 June 2014



AOPS Mandate and Budget

- Acquire 6-8 Arctic/Offshore Patrol Ships to conduct armed sea-borne surveillance in Canada's Exclusive Economic Zone including the Arctic.
- Implement Jetty Infrastructure under separate contracts:
 - North (Nanisivik)
 - East (Halifax)
 - West (Esquimalt)
- Project Budget: \$3.1B (Approved 2007)





Dutch Harbor – Beaufort Sea:
1800nm

Esquimalt – Dutch Harbor:
1646nm

Esquimalt - Nanisivik:
4646nm/4846nm
Esquimalt – Tokyo:
4196nm
Esquimalt – Singapore:
7000nm

Nanisivik – Beaufort Sea: via Parry Sound
1200nm

Nanisivik – Beaufort Sea: via NWP
900nm

St John's - Nanisivik:
2005 nm

Halifax – St John's:
700nm

Halifax - Nanisivik:
2805 nm
Halifax – London:
2741nm

Legend

- Air SAR Locations
- Potential Small Craft Harbours
- ★ FOLs

Hans Island
CFS Alert

Resolute (ATC)

Nanisivik

Mary River

Iqaluit

Rankin Inlet

Roche Bay

Churchill

Yellowknife

Inuvik

Dutch Harbor

Edmonton

Comox

Wancouver

Seattle

Portland

Spokane

Calgary

Winnipeg

Minneapolis

Chicago

Detroit

Ottawa

Trenton

Buffalo

Boston

New York

Philadelphia

Baltimore

Washington D.C.

St. Louis

Kansas City

San Francisco

Oakland

Gander

Greenwood

Norway

Torshavn

ICELAND

Reykjavik

Oslo

Norwegian Sea

GREENLAND

Godthab

Baffin Bay

Hudson Bay

Beaufort Sea

Chukchi Sea

Greenland Sea

ARCTIC OCEAN

ATL

Arctic Circle

Key Ship Capabilities



- Polar Class 5 (one metre first year ice with old ice inclusions)
- Open Water Speed of 17 knots
- Good Seakeeping for Offshore Patrol Missions
- Range of at least 6,800 nautical miles (at 14 knots)
- Command Management System for Maritime Situational Awareness
- Aviation Facilities for Commercial and Military Helicopters
- Gun Armament for Sovereignty Enforcement



AOPS Features

Helo capable – normally light helo and potentially UAVs (large RCAF Cyclone helo if reqd)

~ 65 Member Crew with space for additional personnel

Weapons/sensors

- 25 mm gun
- Radar
- Space for additional sensors

Small landing craft/
Configurable
Container stores

Communications,
briefing room, and
command facilities

12 metre RCMP emergency
response/RCN boarding party
boats

Ship's Work/Rescue
boat – 8.5 Metres



Project Timeline

Milestone	Planned/Actual
Preliminary Project Approval	31 May 2007
ISI selected shipyard for non-combat package	Oct 2011
Contract Award (Definition)	7 Mar 2013
Project Approval (Implementation)	Dec 2014
Contract Award (Implementation)	Jan 2015
Start construction of 1 st ship	2015
Delivery of 1 st ship	2018
Initial Operational Capability	2019
Final Operational Capability	2023
Project Closeout	2024



