

The Canadian Patrol Submarine Project



Stealth
Persistence
Lethality



**What do you see when no one
knows you are watching?**



Submarines can remain on station for weeks unobserved.





**Strong at Home,
Secure in North
America**

**Able to go places where
we are not wanted.**



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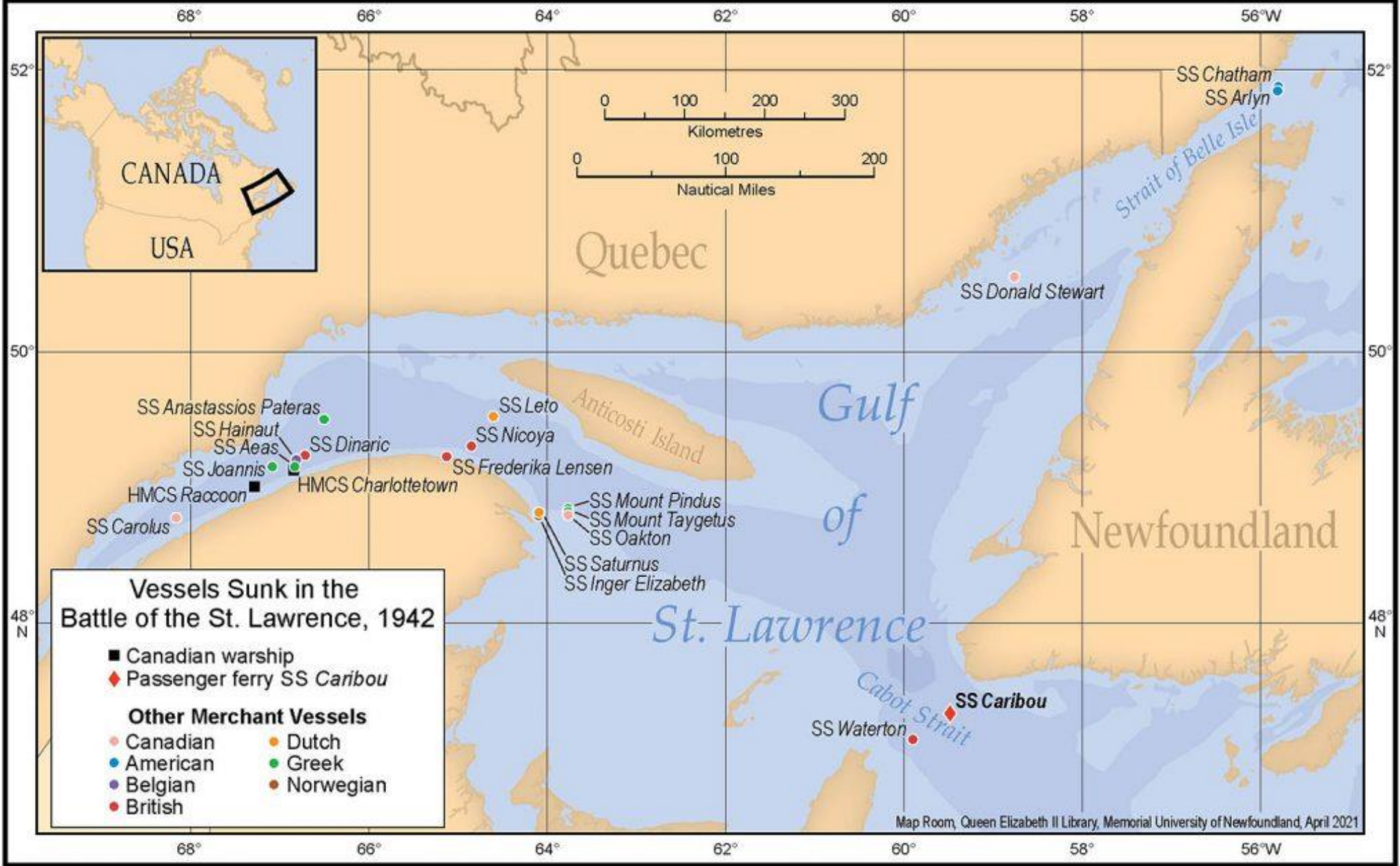
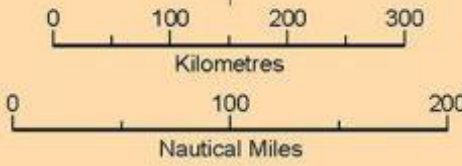
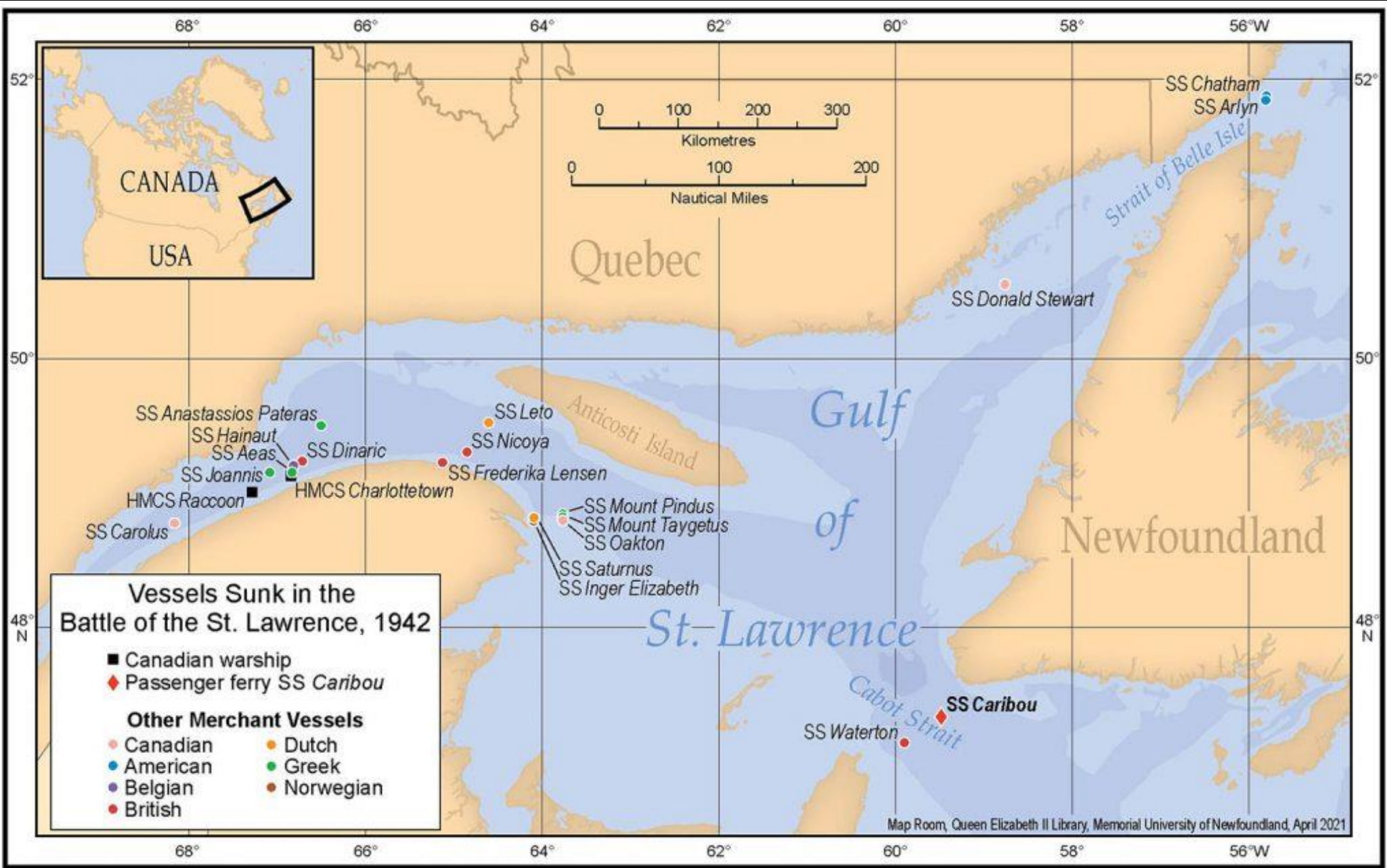


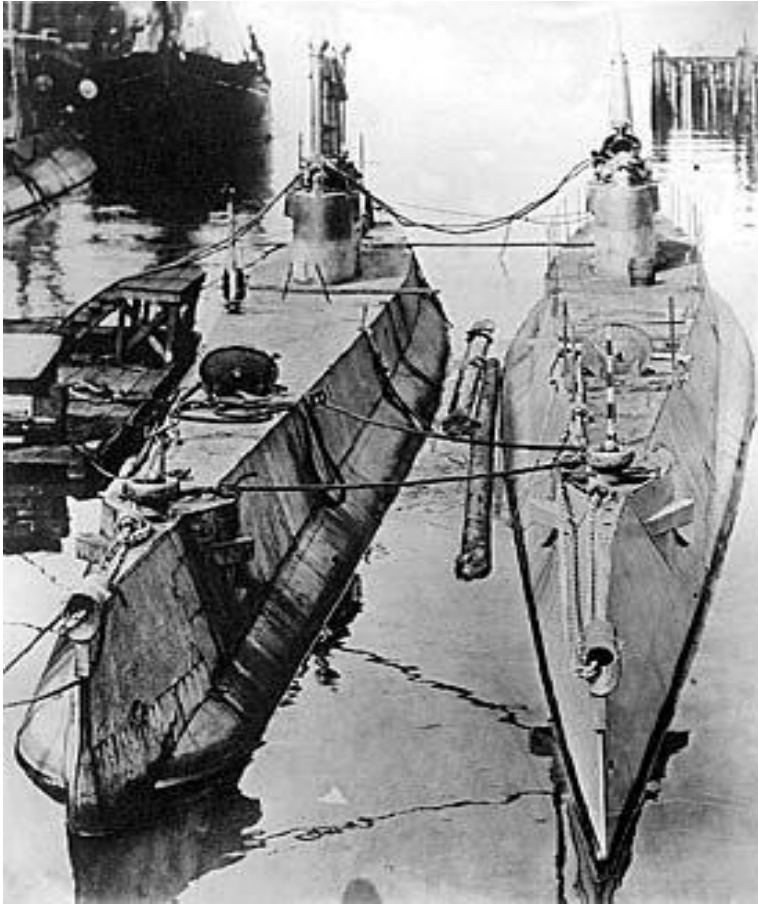
**Submarines
sink ships**

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Submarines are Canada's only capital ships





Canada has never had a “normal” submarine procurement.

W5 Investigates Canada's floundering submarine fleet

Published Saturday, November 12, 2011 6:56PM EST

Canada's navy is promising its Victoria-class submarines will be fully operational by 2013 -- nearly 15 years after the boats were purchased from the United Kingdom.



Secondhand Canadian submarine HMCS Chicoutimi (S16) disabled off the northwest coast of Ireland yesterday. A serious fire aboard the vessel on Monday resulted in the death last night of Lieutenant Chris Sumner.

Death on the Chicoutimi

The tragedy: Fire on submarine kills Canadian sailor despite dramatic rescue

BY DOUG SAUNDERS, LONDON

After being battered by North Atlantic gales for more than 21 hours in a storm, the damaged submarine, a Canadian sailor died in a Irish hospital last night after a dramatic helicopter rescue.

At least 12 British sailors died after the vessel was hit by a fire on Monday. The fire broke out under insulation in the bow of the vessel, early Monday afternoon.

The fire, which disabled the vessel, occurred on Monday afternoon. The vessel was only 140 kilometers from the coast of Scotland as it returned to Halifax.

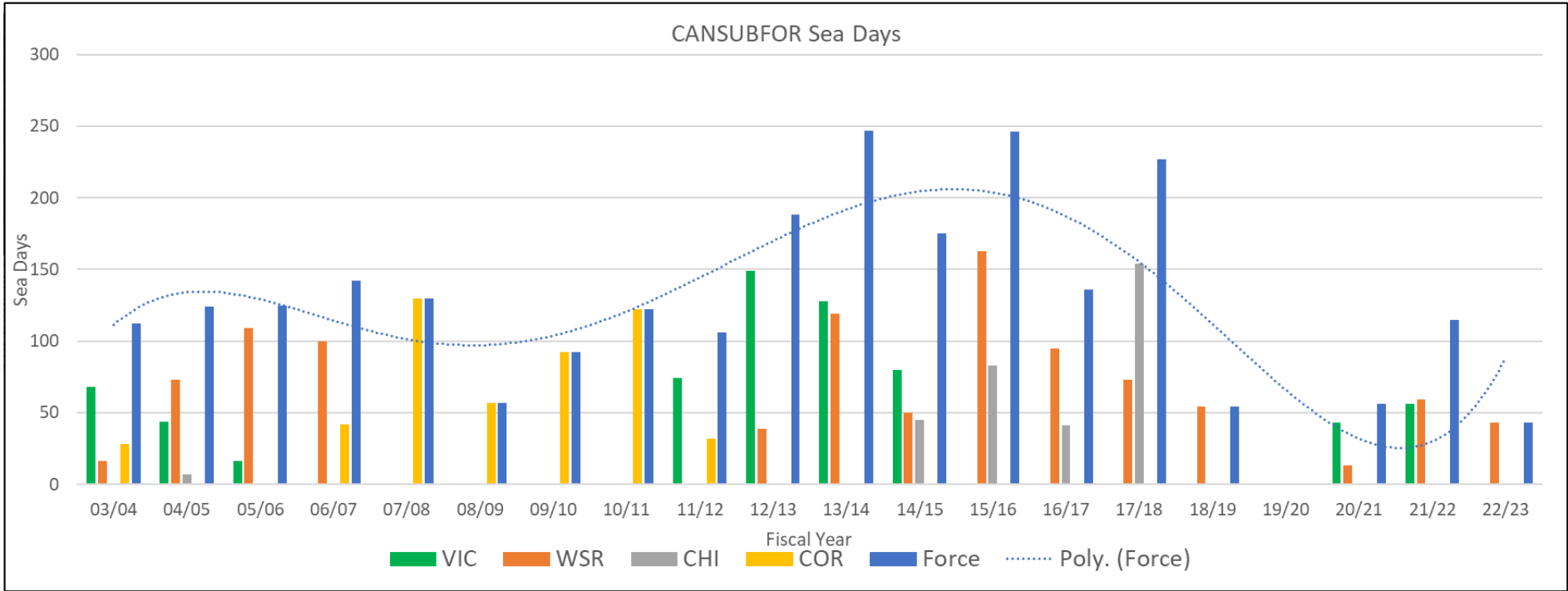
The vessel was part of a fleet of 12 submarines assigned all day yesterday. The vessel was on a 10-day mission. The vessel was on a 10-day mission. The vessel was on a 10-day mission.

Prime Minister Paul Martin reacted to the House of Commons last night to inform shocked members that Lt. Sumner had died.

"The circumstances of his death have yet to be determined, but I want to pass on our condolences and those of our country. He gave his life in the service of his country, and we pay him our profound respects and his family our deepest condolences."

The British navy announced a number of changes for the vessel, who has a wife, three children, and two young children.

The death followed a day of dramatic events, during which it was

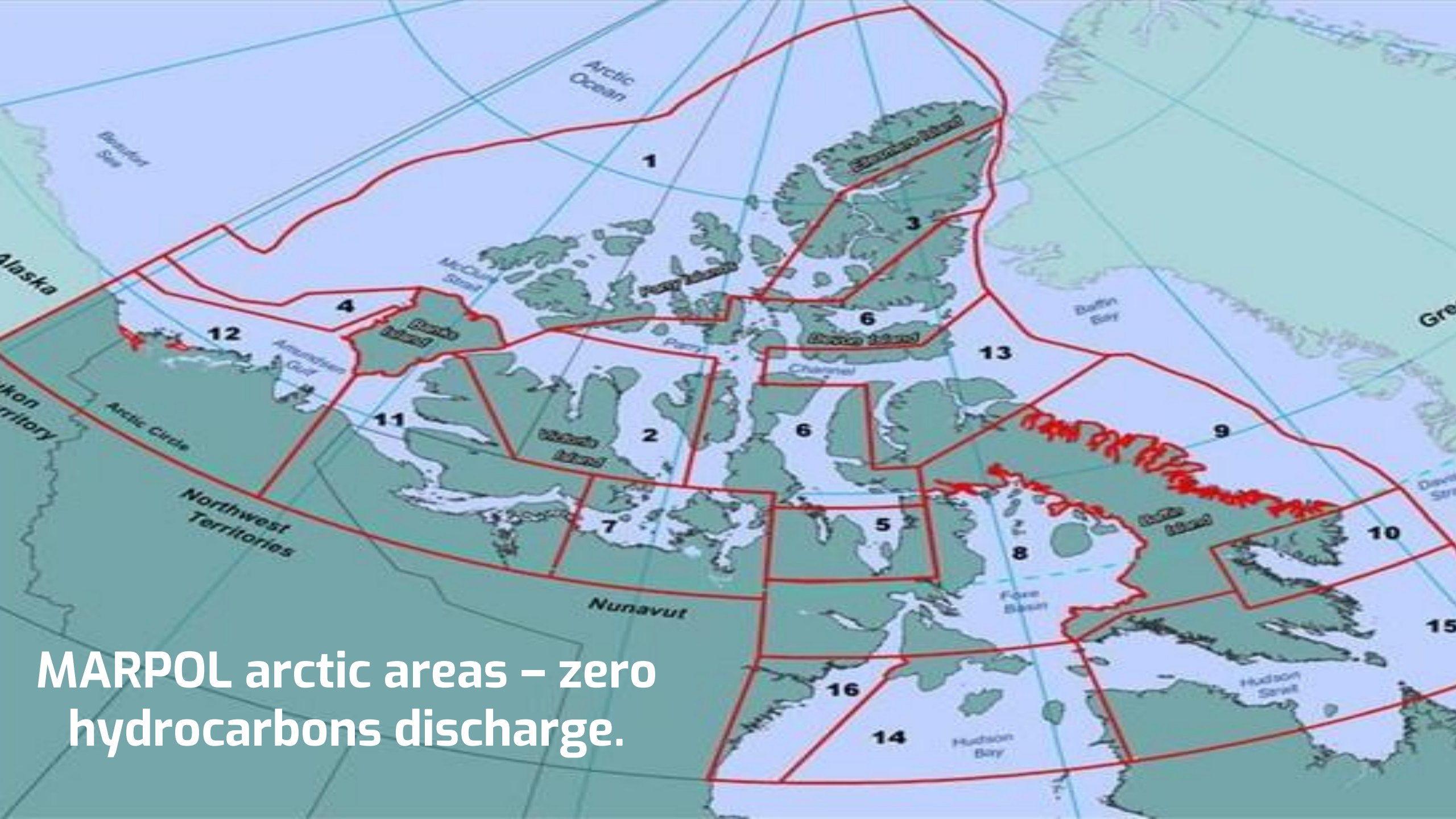


A perfect storm.

A black submarine is shown on the surface of the ocean. The sun is low on the horizon, creating a bright, hazy glow in the sky and reflecting off the water. The submarine's conning tower is prominent, with a flag flying from the top. The water is dark blue with some whitecaps. In the background, a large ship is visible on the horizon.

Key High Level Mandatory Requirements:

1. Arctic Capability
2. Range, Endurance, Persistence
3. Delivery



MARPOL arctic areas – zero hydrocarbons discharge.

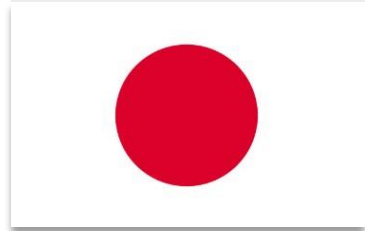


3500nm

ESQUIMALT

HALIFAX

Transit 3500nm, patrol 21 days
patrol, and return undetected.



Taigei-class
(In service)



S-80 Plus
(In sea trials)



Type 212 CD E
(In design)



KSS-III
(In service)



A26 Oceanic ER
(In design)



Shortfin Barracuda
(In design)

(MUST BE IN SERVICE)

AUKUS





Way forward: Invincible-class Type 218 SG