



Maritime Forces Atlantic
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MARL: 1262-7 (MARL SEO)
TD: 2013-001118

29 August 2013

Mr. Darren Hicks, Environmental Analyst
Canada Newfoundland and Labrador Offshore Petroleum Board
5th Floor, TD Place
140 Water Street
St. John's, NL A1C 6H6
Email: DHicks@cnlopb.nl.ca

Dear Mr. Hicks:

As requested, the Department of National Defence (DND) has reviewed the information provided on the Nalcor Energy Oil and Gas Geochemical Data Acquisition and Seabed Sampling Survey, Newfoundland and Labrador Offshore Area, 2013-2018 Commencement on Environmental Assessment, based on correspondence from the Canada Newfoundland and Labrador Offshore Petroleum Board dated 15 August 2013 to determine if DND has any expertise to provide to the proponent.

DND is likely to be operating in the vicinity of the study area in a non-interference manner during the project timeframe.

Additionally, a search of the DND UXO records was conducted to determine the possible presence of UXO within the Proponent's survey area. Records indicate there are known shipwrecks, submarines and crash sites located within the area (see attached figure and tables). In the event the proponent's activities have contact with the seabed (such as drilling or mooring), it is strongly advised that operational aids, such as remotely operated vehicles, be used to conduct seabed survey in order to prevent unintentional contact with the shipwrecks or dumpsites noted on the maps or harmful UXO items that may have gone unreported or undetected.

Due to the inherent dangers associated with UXO and the fact that the Atlantic Ocean was exposed to many naval engagements during WWII, should any other suspected UXO be encountered during the course of the Proponent's operations, it should not be disturbed/manipulated. The Proponent should mark the location and immediately inform the Coast Guard. Additional information is available in the 2013 Annual Edition - Notices to Mariners, Section F, No. 37.

Further UXO general information is available at the following DND website
www.uxocanada.forces.gc.ca

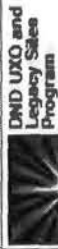
Should you have any questions or require any additional information please do not
hesitate to contact me.

Sincerely,



Carol Lee Giffin
MARLANT Safety and Environment Officer
for Commander

Enclosures: 2



DND UXO and Legacy Sites Program

Programme des UXO et des anciens sites du MDN

Legacy Sites and Shipwrecks within the Labrador and Offshore Exploration Area

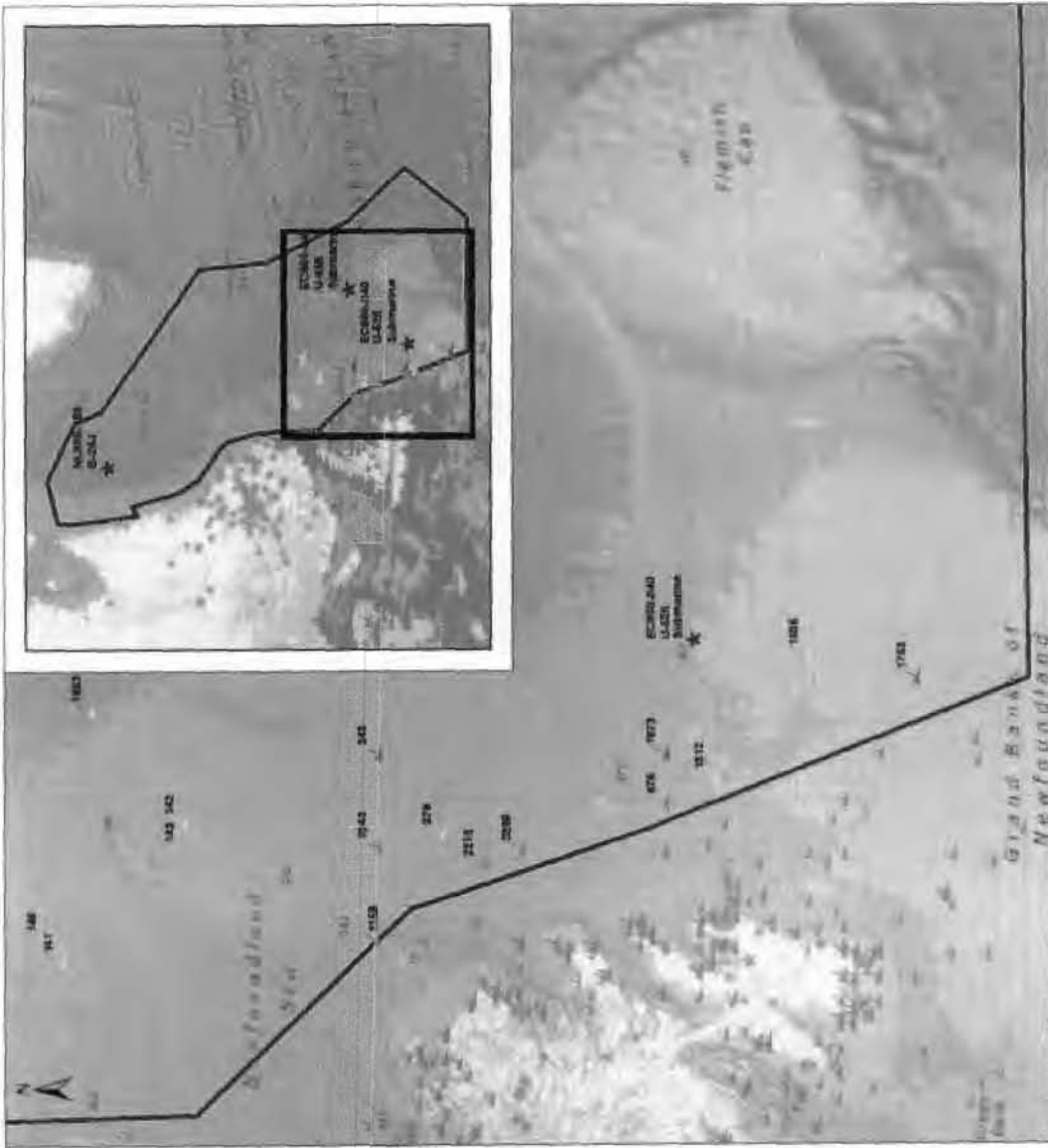
Newfoundland and Labrador

Approved For / Cote par:	Map scale / Echelle:
DND UXO and Legacy Sites Program	1:4,300,000
Authorised By / Cote par:	Date:
Defence Construction Canada	Aug 21, 2013

Shipwrecks of Interest

UXO Rating

- ⚠ UXO Present
- ⚠ Small Arms
- ⚠ UXO Possible
- ⚠ Unlikely
- ★ Legacy Sites of Interest
- ⚠ Shipwrecks outside exploration area
- ★ Legacy sites outside exploration area
- 📍 Proposed Exploration Area



Legacy Sites of Interest

LegacySite	SiteName	Latitude	Longitude	ProvinceCo	TypeName	IssueCodes	LSKeywords	CrashWreck
EC900-040	U-520 Submarine	47.78334000000	-49.83333000000	EC	Underwater - Offshore	M		
EC900-042	U-658 Submarine	50.00889000000	-46.53333000000	EC	Underwater - Offshore	NKI		
NL900-183	B-24J	59.21666700000	-58.66666700000	NL		NKI	Crash Site;	Crash

Shipwrecks of Interest

ID	YEAR_	NAME	LATITUDE	LONGITUDE	TYPE	CAUSE
141	1941.11.03	EVEROJA	52.1833	-53.3167	SS-cargo	Torpedoed by U-203 while in convoy.
142	1941.11.03	FLYNDERBORG	51.3500	-51.7500	SS-cargo	Torpedoed by U-202.
143	1941.11.03	GRETAVALE	51.3500	-51.7500	SS	Torpedoed by U-202.
149	1941.11.03	EMPIRE GEMSBUCK	52.3000	-53.0833	SS	Torpedoed by U-203.
343	1919.11.02	ARNISH	50.0000	-51.0000	schnr	Abandoned.
379	1942.12.04	BALSAM LAKE	49.5500	-51.8333	cargo	Unknown.
675	1922.03.27	DIANA	48.0000	-51.5000	SS-sealer	Lost while sealing.
1043	1908.04.04	GRAND LAKE	50.0000	-52.0000	SS-sealer	Lost while sealing.
1158	1910.03.30	ICELAND	50.0000	-53.0000	SS-sealer	Crushed in ice while sealing.
1312	1941.10.21	KING MALCOLM	47.6667	-51.2500	SS	Missing. Presumed sunk by enemy sub
1505	1942.05.07	MAGNHILD	47.0000	-50.0000	cargo	Unknown.
1683	1943.01.22	MOUNT MYCALE	52.0000	-50.5000	SS	Torpedoed by enemy sub. Sank.
1753	1902.11.13	NOKOMIS	46.2500	-50.2500	.	Lost.
1973	1914.05.22	ROYAL EDWARD	48.0000	-51.0000	schnr-stm	Col. w. iceberg. Partial loss.
2218	1909.04.11	VANGUARD	49.2667	-52.1667	SS-sealer	Crushed by ice while sealing.
2269	1908.03.26	WALRUS	49.0000	-52.0000	SS-sealer	Lost at icefields while sealing.