

A stylized, light blue lion logo is positioned on the left side of the slide, partially overlapping the text. The lion is depicted in a heraldic style, standing on its hind legs with its front paws raised.

HAZARDOUS WRECKS IN ESTONIAN SEA AREA

PROJECT TITLE:

Environmental risk assessment of potentially hazardous wrecks in Estonian marine area

DONOR: NEFCO (Nordic Environmental Corporation)

BUDGET: 285 710 EUR; PPA own co-funding 30%

DURATION: 06.2021 – 06.2023

PARTNERS: Env. Investment Centre, Min. of Environment, National Heritage Board

HAZARDOUS WRECKS IN ESTONIAN SEA AREA

BACKGROUND:

- Ship wrecks (mainly from WWI-II era) may contain substantial quantities of a oil products
- The ageing wrecks as ticking time-bomb. Some leaks are already taking place
- The potentially most hazardous wrecks has to be evaluated based on previous reviews

PROJECT ACTIVITIES:

- Assessment of environmental risk up to 10 wrecks by conducting the underwater surveys
- Estimation of the potential oil spill risks, a feasibility and cost of the de-contamination
- kick-off and project summarizing seminars

Wrecks targeted for the oil risk assessment:

Wreck name	Time of sinking	Place of sinking	Location on map	Fuel	Explosives on board	Amount of oil	Depth
Destroyer S-31 (Germany)	1914	57:48.677590 23:05.902809	Ruhnu island	Heavy fuel oil	88mm bombs; 6 torpedoes, 24 mines	Max 220 tons	24 m
Cruiser Cassandra (Great Britain)	1918	58:28.676645 21:13.679327	Saaremaa island	Heavy fuel oil	152mm bombs; 76 ja 57mm bomb; 8 torpedoes	Max 950 tons	85 m
Mine trawler T-208, Škiv	1941	59:07.559610 22:59.138800	Hiiumaa island	Diesel	206 100mm bombs; 200 45mm bombs	Max 99 tons	12 m
Mine trawler T-206 Verp	1941	59:46.289124 25:09.952172	Prangli island	Diesel	206 100mm bombs; 200 45mm bombs	Max 99 tons	77 m
Mine trawler T-214 Bugel	1941	59:46,246 25:16,760. ahter 59:46,262N 25:16,721E	Prangli island	Diesel	206 100mm bombs; 200 45mm bombs	Max 99 tons	81 m
Destroyer Jakov Sverldov	1941	59:50.676719 25:50.757189; 59:50.666077 25:50.732521	Juminda peninsula	Heavy fuel oil	9 torpedoes; 834 102mm bombs; 37mm bombs	Max 410 tons	80 m
Guard ship Tsiklon	1941	59:48.247756 25:28.984103	Juminda peninsula	Heavy fuel oil	3 torpedoes; 400 100mm bombs; 4000 45mm bombs; 40 bombs	Max 112 tons	74 m
Destroyer Kalinin	1941	59:48.201720 25:35.463692	Juminda peninsula	Heavy fuel oil	9 torpedoes; ca.1000 102mm bombs; 76mm bombs; 45mm bombs	Max 450 tons	80 m
Mine trawler M-37 (Germany)	1944	59 30N 27 36E	Narva bay	Heavy fuel oil	105mm, 37mm and 20mm bombs	Max 143 tons	25 m
Destroyer T-22 (Germany)	1944	59:32.159522 27:33.792632	Narva bay	Heavy fuel oil	105mm, 37mm, 20mm bombs; 6 torpedoes; 32 bombs	Max 374 tons	32 m

THANK YOU FOR THE ATTENTION!

