

A photograph of the Titan submersible underwater. The submersible is a white, cylindrical vessel with a large, dark, hemispherical nose cone. It is positioned horizontally in the center of the frame, slightly below the water's surface. The water is a deep, dark blue. In the background, the surface of the ocean is visible with white-capped waves under a bright, overcast sky. The text "Titan" is visible on the side of the submersible's hull.

Safety Moment

TITAN SUBMERSIBLE INCIDENT

Frederik Niederstadt
Dordrecht – 15 May 2024

TUHH
Hamburg
University of
Technology

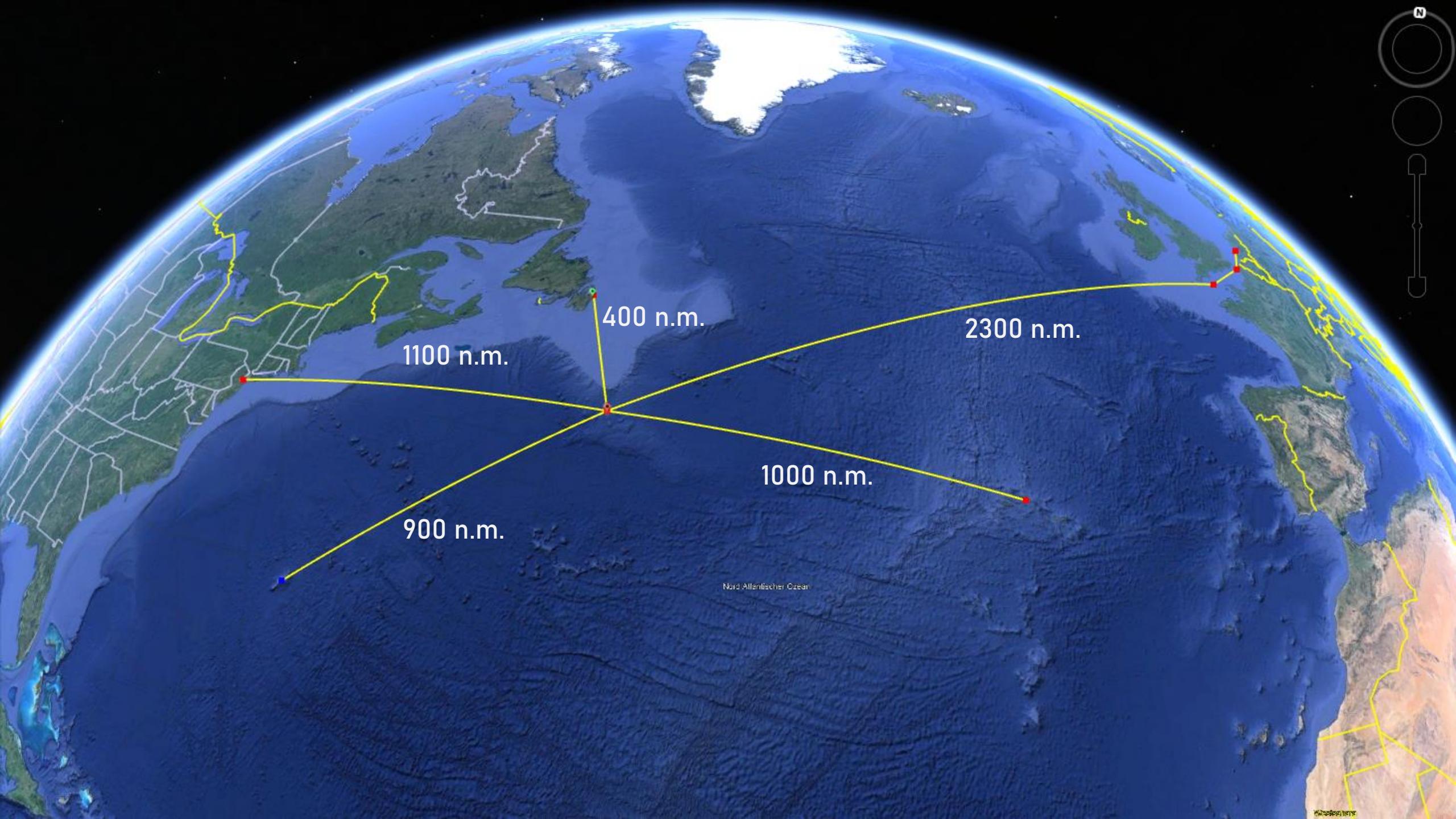


Kingston
University
London



16 June 2023





18 June 2023



19 June 2023



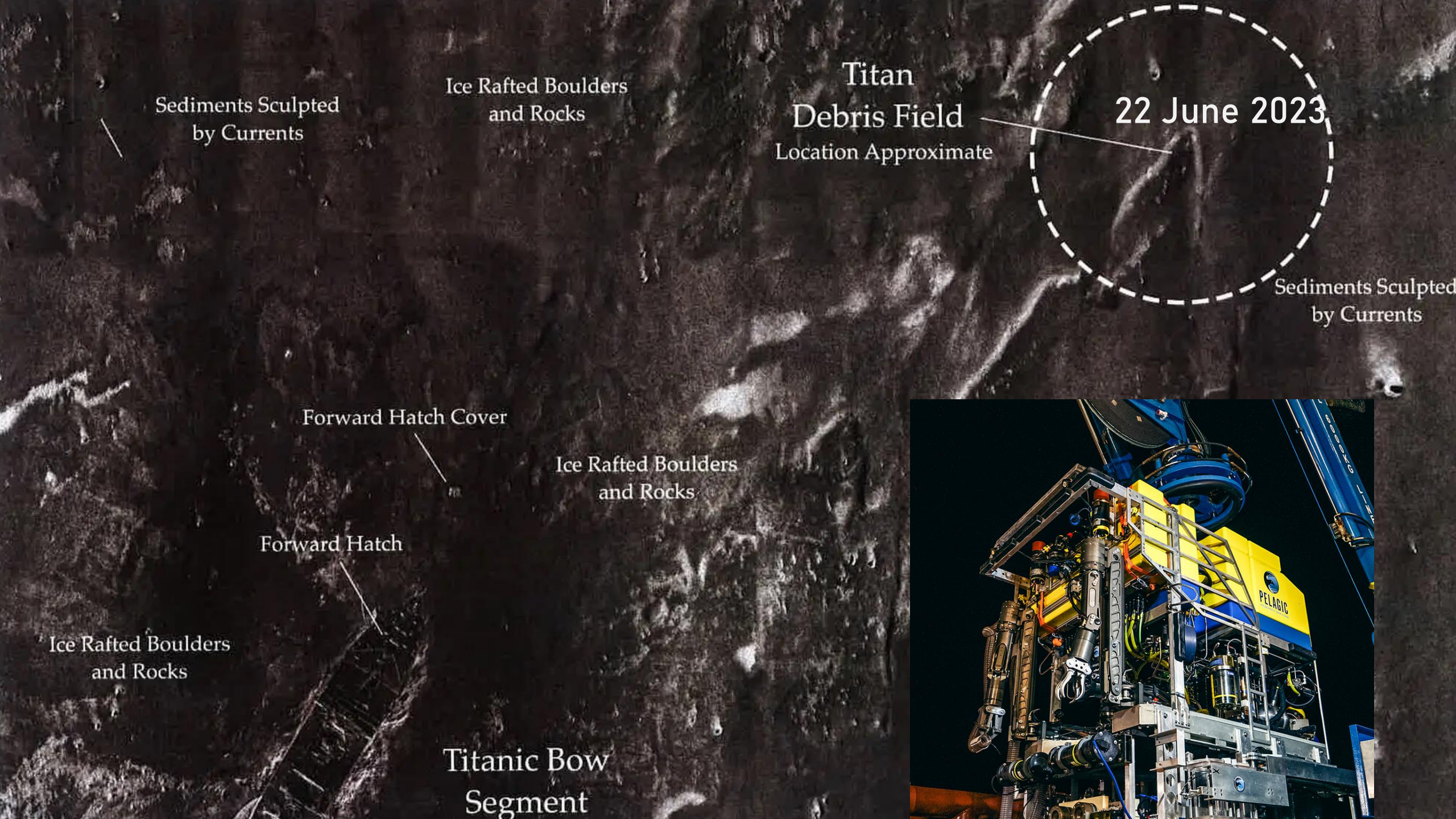
20 June 2023



MAXAR

21 June 2023





Sediments Sculpted
by Currents

Ice Rafted Boulders
and Rocks

Titan
Debris Field
Location Approximate

22 June 2023

Sediments Sculpted
by Currents

Forward Hatch Cover

Ice Rafted Boulders
and Rocks

Forward Hatch

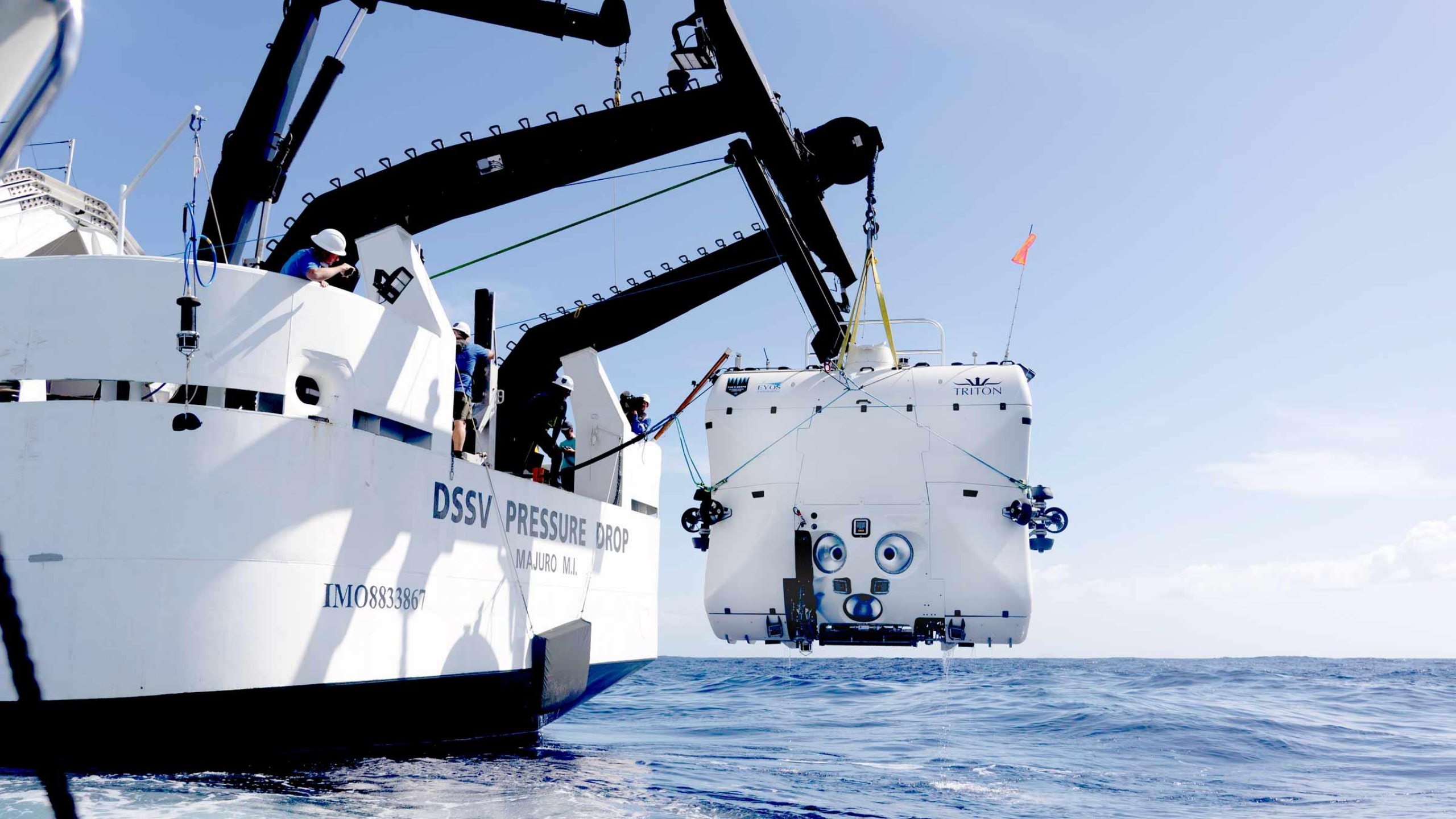
Ice Rafted Boulders
and Rocks

Titanic Bow
Segment









DSSV PRESSURE DROP
MAJURO M.I.

IMO8833867

TRITON







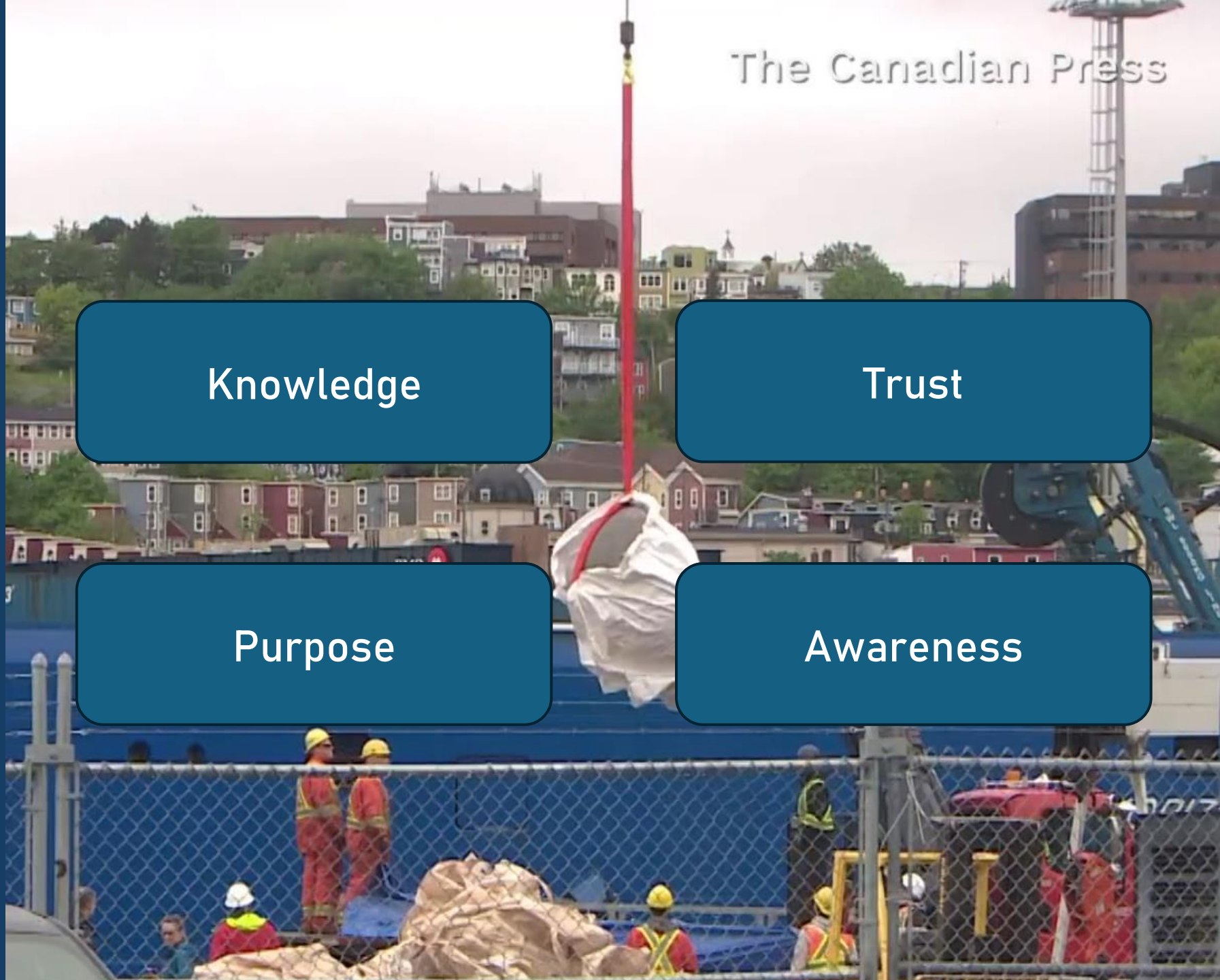
The Canadian Press

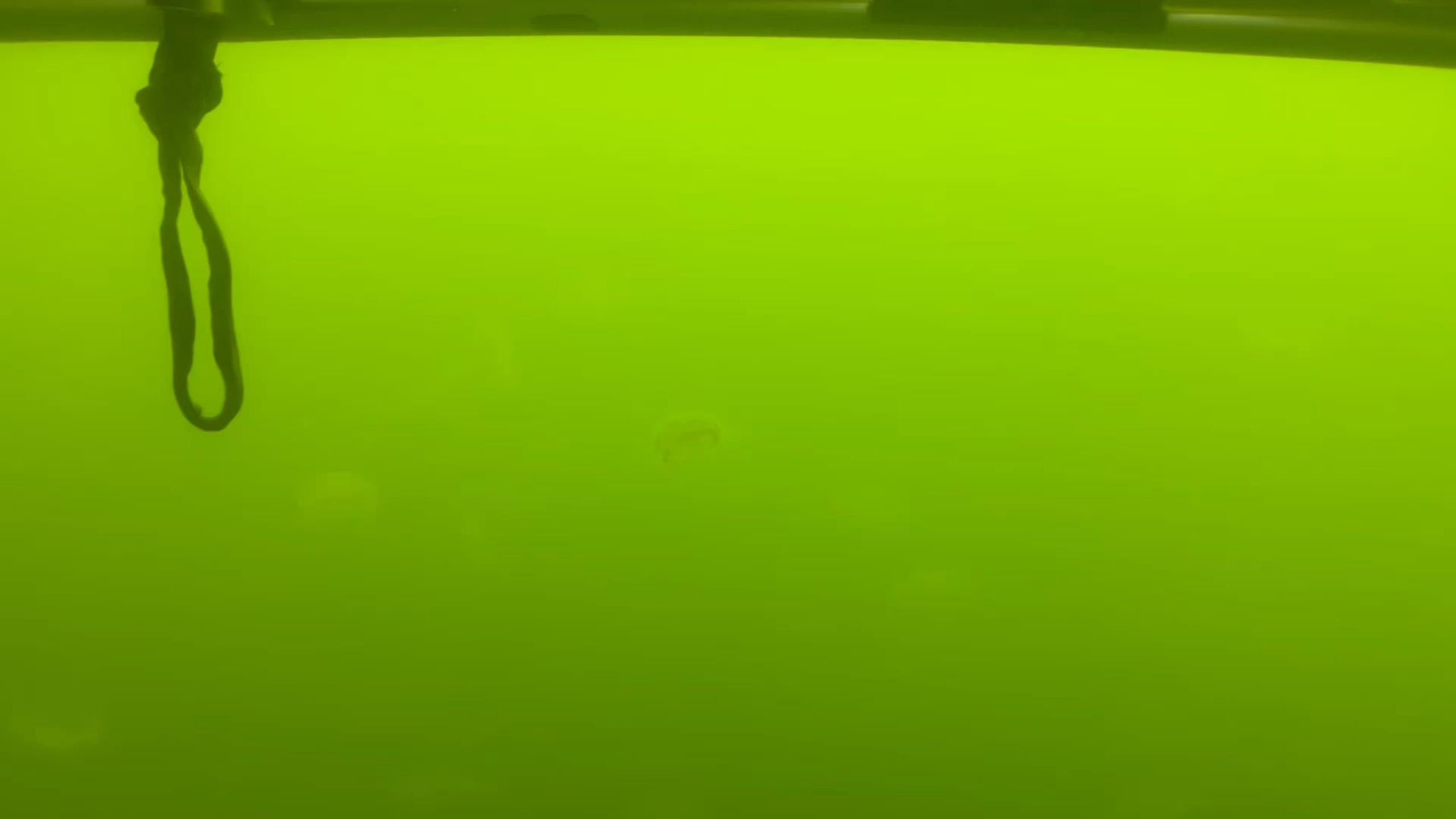
Knowledge

Trust

Purpose

Awareness





Safety First!

Thank you
very much.



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Pictures

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- 2) Introduction – public logos of Universities (TUHH, KUL, Titech) and companies (Thyssenkrupp, DNV, Wintershall Dea)
- 3) Polar Prince - <https://www.independent.co.uk/news/world/americas/titan-oceangate-expeditions-titanic-newfoundland-b2362029.html>
- 4) Map of North Atlantic – created by Google Earth 2024
- 5) Submerging – own photography
- 6) Alarming US-Coast Guard - <https://d3i6fh83elv35t.cloudfront.net/static/2023/06/GettyImages-1258934581-1024x768.jpg>
- 7) Deep Energy arrived - https://m.media-amazon.com/images/M/MV5BYWM3Y2E3MmItZThiZi00MzljLTg4N2UtZmUzNzI1MTI2MDdkXkEyXkFqcGdeQXVyMTE0MzQwMjgz._V1_.jpg
- 8) Sattelite image of rescue mission provided by MAXAR 2023
- 9) Odysseus 6k ROV - <https://pelagic-services.com/web2/index.php/odysseus-rov-system/>
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- 11) Submarine 212 A – <https://www.navalnews.com/naval-news/2020/05/german-type-212a-submarine-u33-back-from-nato-patrol-mission/>
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- 13) Titan pressure body sketch - https://res.cloudinary.com/engineering-com/image/upload/w_640,h_640,c_limit,q_auto,f_auto/image001_trpngp.jpg
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- 15) Stockton Rush - <https://www.newyorker.com/news/a-reporter-at-large/the-titan-submersible-was-an-accident-waiting-to-happen> and
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