

DRAFT STANDARD FORM C

Preliminary Cruise Report

Cruise name/number:	F2025-008 - RS152510-SVIC
---------------------	---------------------------

Authorizations:

Coastal State	Authorization Document Number	National Participant(s)
Norway	2024/047401-012/DEFNON/414	NA
Denmark (Greenland)	JTHAV File No. 25/05808	NA
Iceland	UTN25010949	NA

Scientist in charge of reporting:

Name:	Rachael Miller
Country/Nationality:	USA
Affiliation:	Rozalia Project for a Clean Ocean, National Geographic -Lindblad Expeditions, National Geographic Society
Address:	PO Box 75, Granville, VT 05747 USA
Telephone:	802-578-6120
Email:	rachaelzoemiller@gmail.com
Website (for CV and photo):	https://explorers.nationalgeographic.org/directory/rachael-z-miller

Brief description of scientific objective:

The primary objectives of our research are to:

-Investigate microplastic and anthropogenic microfiber in the air and surface waters throughout our voyage on the *NG Resolution* with National Geographic-Lindblad Expeditions, including the surface waters/air along the expedition cruise track.

-Engage onboard guests and field staff as citizen scientists to complete the sampling, taking action to understand the problems our ocean faces and, in turn, be inspired to be part of the solutions.

-Further refine CSI for the Ocean's methods and equipment. This program was inspired by and uses forensic science methodology to utilize affordable equipment and accessible techniques so people of all ages can engage in meaningful and robust science that provides data that supports solutions to the problem of microplastic and anthropogenic microfiber pollution. Locations where these methods have been tested and deployed to date include the Hudson River in New York State, the Hawaiian Archipelago,

Faroe Islands-Greenland, Arctic Svalbard, fjords of Norway, Falkland Islands, South Georgia and Antarctica. Using the same methods along the expedition route of the *NG Resolution* (Norway, Greenland and Iceland) will provide valuable information for this growing global database.

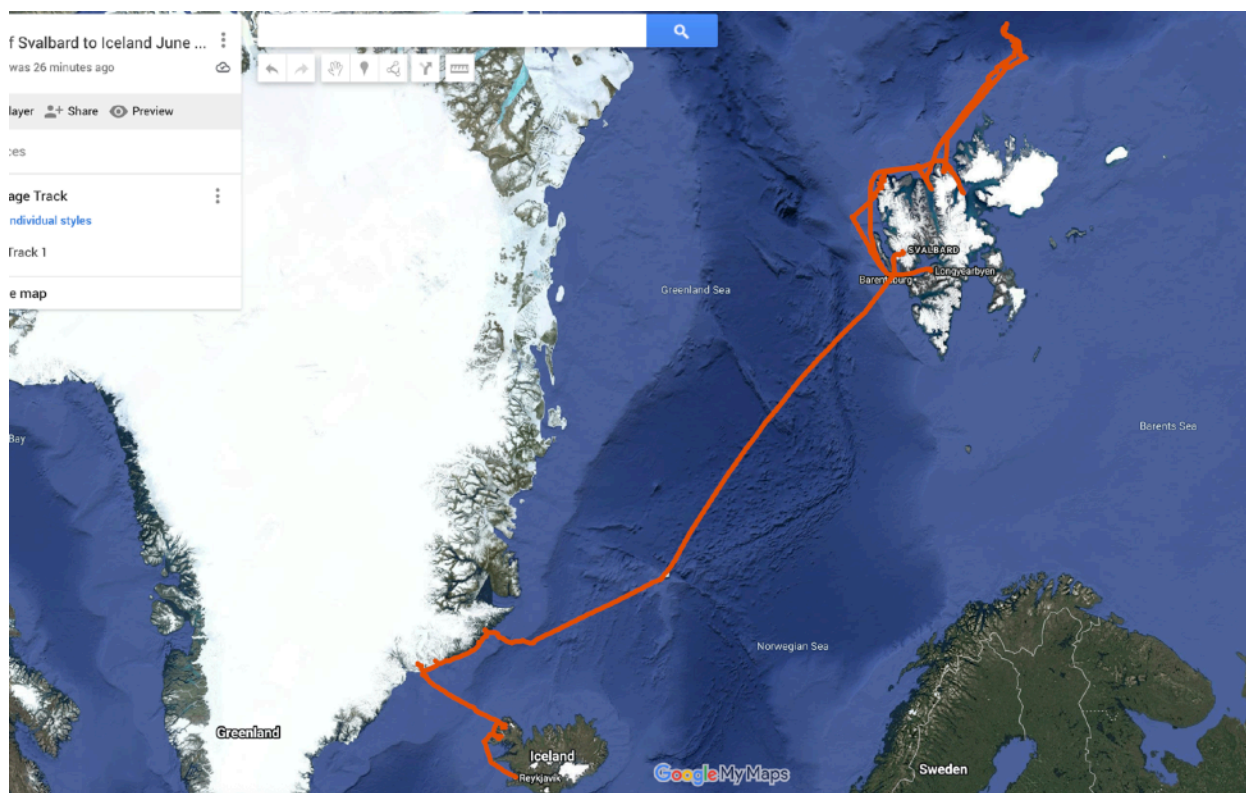
-Share the data from our sampling openly, making it accessible to community members, fellow scientists, and all stakeholders interested in microplastic and anthropogenic microfiber pollution.

-Use the data from this expedition and beyond to underpin the development and deployment of solutions to microplastic and particularly microfiber pollution. Our global dataset, as it grows, will have the power to build the will and momentum for solutions that range from inspiring innovation in textile design and manufacturing (alternative materials such as outerwear made from algae, for example) to supporting regulation and policies to installing proper filters on laundry machines - both washers and dryers - to educating consumers on clothing care habits that reduce microfiber production and extend the life of their clothing. These are solutions that will benefit all of the coastal states we visit and beyond.

Update on anticipated dates for delivery of final results:

Metadata:	January 8, 2026
Raw Data:	January 8, 2026
Processed Data:	January 8, 2026
Data Analysis:	January 8, 2026
WODC Data Registration (if applicable):	NA

The actual cruise track is below and at <https://www.google.com/maps/d/u/0/edit?mid=1mTZx8RcnO2YCNCCLmgFD0DGfH3PdSxo&ll=72.62473918875848%2C-3.2622035834999963&z=4>



RS152510 June 25-July 9, 2025

Lat/Long	Date and Location	Country	Samples
15.6523005 78.2222172	25 June - Svalbard	Norway	Water only
15.762123 79.6364383	26 June - Nordbreen	Norway	Water and Air
16.8450247 79.9146197	28 June - Crozierpynten	Norway	Water and Air
18.6027743 79.5778587	28 June - Alkefjellet	Norway	Water and Air
10.8973968 79.7208036	29 June - Virgoamna	Norway	Water and Air
10.6870944 79.5267386	29 June - Hamburgbukta	Norway	Water and Air
13.1276352 78.573199	30 June - Konowbreen	Norway	Water and Air
12.9081728 78.5329825	30 June - Gaffelbreen	Norway	Water and Air
-8.6820622 70.9687108	2 July - Jan Mayen	Norway	Water and Air
-24.6447778 69.3587302	3 July - Knighton Fjord	Greenland/Denmark	Water and Air
-24.6447778 69.3587302	4 July - Knighton Fjord	Greenland/Denmark	Water and Air
-24.7220815 69.4168765	4 July - Knighton Fjord	Greenland/Denmark	Water and Air
-30.4342807 68.2168303	5 July - Ryberg Fjord	Greenland/Denmark	Water and Air
-30.536846 68.2489748	6 July - Ryberg Fjord	Greenland/Denmark	Water and Air
-23.1181955 66.0660367	7 July - Isafjordur	Iceland	Water and Air
-22.8304612 66.0483908	7 July - Vigur Island	Iceland	Water and Air
-23.2099952 65.7386067	8 July - Dynjandi Waterfall	Iceland	Water and Air
-21.8547452 64.1516045	9 July - Reykjavik	Iceland	No samples

Sample sites: at each of these locations, one air sample and/or 3 x 1L surface water samples were taken. One location in Svalbard did not have an air sample taken. Total air samples: 16, total water samples 17 x 3 = 51.