

# IX

The background image is a serene landscape. In the foreground, a calm body of water reflects the sky and the surrounding environment. Two icebergs are visible in the water, one closer to the left and one further towards the center. The middle ground shows a dense forest of evergreen trees, some of which have yellowed leaves, suggesting an autumn setting. A thick layer of mist or fog hangs over the water and the forest. The sky is dark and cloudy, with a hint of light breaking through near the horizon. Overlaid on the left side of the image is a large, stylized number 'IX' in a light blue color. The number is semi-transparent, allowing the landscape details to be seen through it.

## Science & Education Report





# MS Roald Amundsen 24 July – 9<sup>th</sup> August, 2025

Alaska and British Columbia -  
Inside Passage, Bears and Aleutian  
Islands

When you arrived on the MS Roald you boarded a research-focused expedition ship, fully equipped as a floating laboratory, and designed to be a center of learning and discovery. In your time on board you contributed to scientific studies and expanded your knowledge of the world around you. Let's take a look back on our journey and what we accomplished while sailing along the wild and wonderful Alaskan coast.



# Arts, crafts & creativity

We witnessed the wild beauty of Alaska's landscapes and let it inspire us to create art reflecting our surroundings and our feelings. Through drawing sessions, painting sessions, sculpting sessions, and much more, we created tangible keepsakes of our journey. We even let our creativity flow through dance and movement sessions during our voyage!







# Science & Education Program

The MS Roald Amundsen is more than a ship— it is a platform of opportunity for us to explore the world around us, collect meaningful data, and learn more deeply about the places we visit.

Our onboard naturalists guided our guests using scientific tools to investigate the world around us. We observed, documented, and discussed many interesting fauna, flora, and phenomena. From learning about whale anatomy to exploring the rock cycle, guests participated in sessions that gave a deeper understanding and appreciation for the world around us. Our historians put all of what we saw in the context of humans' relationships with this place— from the earliest inhabitants to modern society.

On the next pages you can find highlights of our onboard Science and Education Program and our Citizen Science Program.



# History

As we set off into the Inside Passage, we voyaged among Tlingit land. Here we witnessed the thriving Tlingit culture expressed through art, cultural artifacts, and the stories of our local guides. We then sailed past the ancestral lands of the Sugpiaq as we headed east, coming to the Aleutian Islands: lands that have been home to the Unangax people since time immemorial. We learned about the Unangax culture and history while visiting Dutch Harbor and St. Paul. We then headed north to Nome: a name that evokes images of the modern 'last frontier' and gold-rush riches. But it is also a place that for thousands of years was a seasonal hunting settlement of the Inupiat until gold was discovered by American prospectors in 1898, forever changing the future of this region.

In our onboard lectures, we learned about the Native history of the region, as well as its settlement by Europeans, its purchase by the United States, and its eventual statehood. We also felt how the native histories and cultures of this region permeate all aspects of life here. We acknowledged that these histories hold pain, but also hope, and that they exist intertwined in a story that is still being written!







# Science Boat

Learning in a lecture or workshop is one thing, but getting your hands 'dirty' in the pursuit of science is at another level. For the guests who chose to participate in the Science Boat, they joined a participative experience focused on collecting meaningful data by 'taking the lab outside' – and underwater!

We investigated the underwater world in **10** Science Boat sessions in Misty Fjords, Icy Bay, Uyak Bay, Anakchiak Bay, and Unga Village. We observed and discussed the wildlife and geology in each location to better understand the area's ecology. We deployed a plankton net to collect phytoplankton and zooplankton, used a CTD to create a physical profile of the water column, and took measurements of turbidity to submit to the Citizen Science project the Secchi Disk Project.



# CTD Profiles

Our CTD casts gave us insight into the way salinity, temperature, and chlorophyll changed with depth. Each site had a unique profile!

Typically, salinity increases with depth while temperature decreases, since cold, salty water is more dense. This sinking of cold, salty water can cause stratification, or layering, to occur, giving different depths different characteristics. If there is no stratification, we call the water column “well mixed.” Stratification can provide insights into the availability for nutrient replenishment at the surface, which is crucial for phytoplankton. Measuring chlorophyll— the photosynthetic pigments in phytoplankton— gives us information on phytoplankton abundance and primary productivity.

Two of our CTD casts illustrate these concepts. At Unga, in a shallow bay facing the open ocean, we saw a classic well-mixed water column: the temperature decreased linearly with depth, and whole water column was of oceanic salinity. We also saw our chlorophyll maximum— indicative of the ‘best’ region for phytoplankton— at 13m, but with chlorophyll still sensed at all depths as well. Conversely, in Icy Bay, we saw the influence of the icebergs and glaciers clearly: temperature and salinity were lowest at the surface. Both then jumped up in magnitude as a different, marine water mass intruded around 20m, after which temperature began to drop with increasing depth, as typically expected, and salinity stayed constant and oceanic. Here the highest chlorophyll concentrations (at values half of Unga’s) were in the first 10m of the water column; in the silty water of Icy Bay, that’s the most efficient depth for phytoplankton to absorb sunlight!



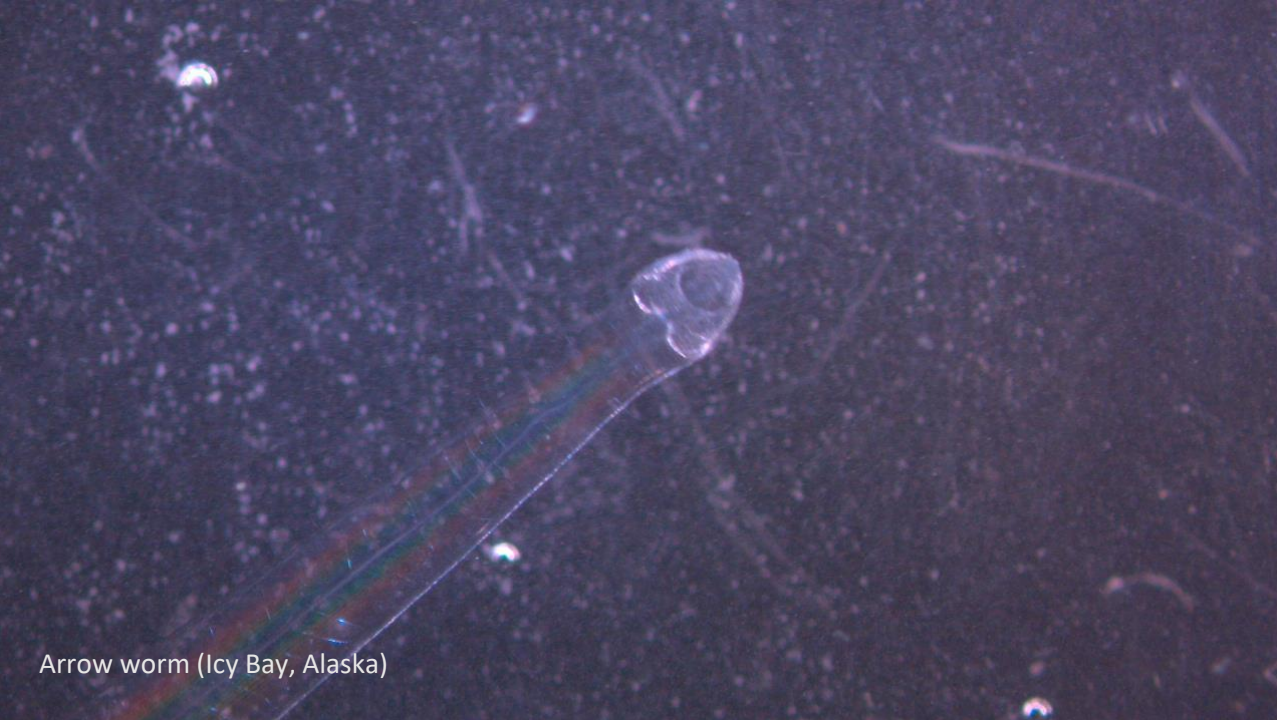


# Plankton samples

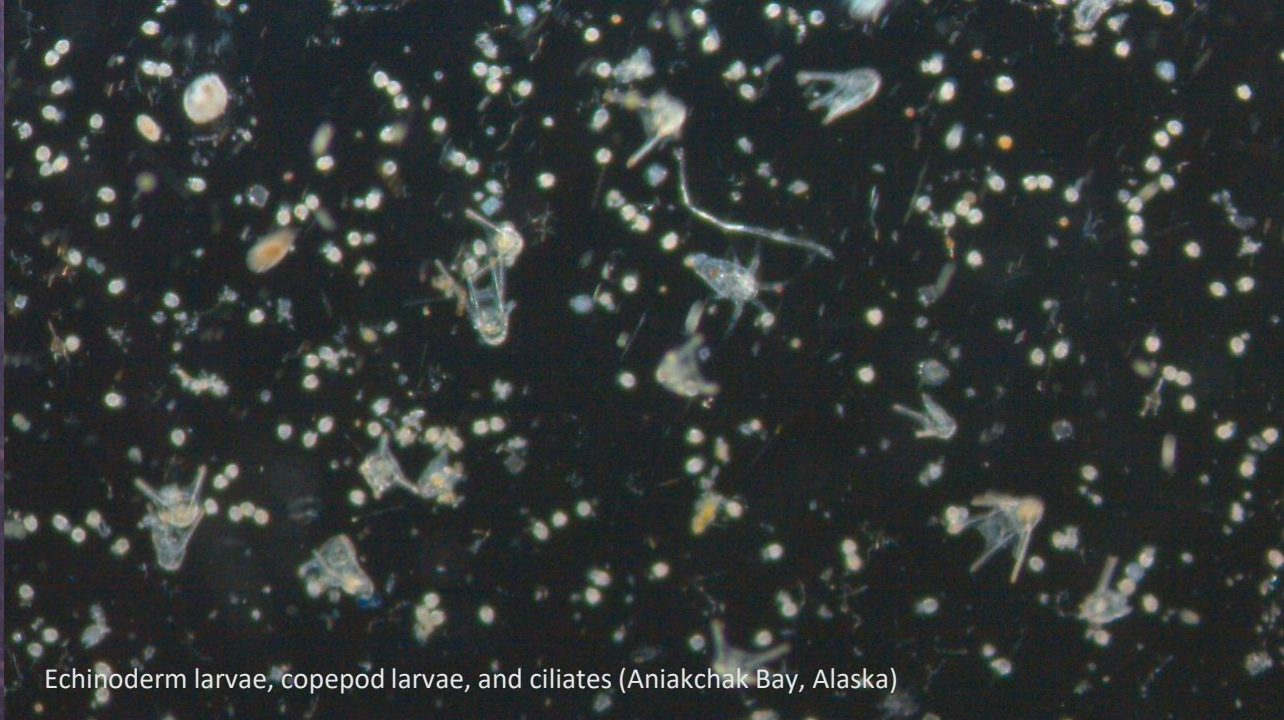
After we collected water samples on the Science Boat, we brought them back to the Science Center to look at them under the microscope. From phytoplankton, those tiny photosynthetic organisms at the base of the food web, to larvae of more familiar animals like crabs, we encountered many different creatures. We noticed fewer phytoplankton than zooplankton in most samples; a sign that the summer phytoplankton blooms are coming to an end. Let's look at some of what we found!

We also analyzed all of our plankton samples for any species correlated to harmful algal blooms (HABs) and submitted this information to our partners at the Phytoplankton Monitoring Network (PMN). PMN is collecting observations of potentially dangerous species in order to help coastal communities better prepare for and manage these blooms. One sample from Uyak Bay had elevated levels of the HAB dinoflagellate species *Dinophysis*, and *Tipos*. This sample was sent to PMN for further analysis.





Arrow worm (Icy Bay, Alaska)



Echinoderm larvae, copepod larvae, and ciliates (Aniakchak Bay, Alaska)



Pteropods/sea butterflies and copepod (Unga, Alaska)



Copepods (Unga, Alaska)

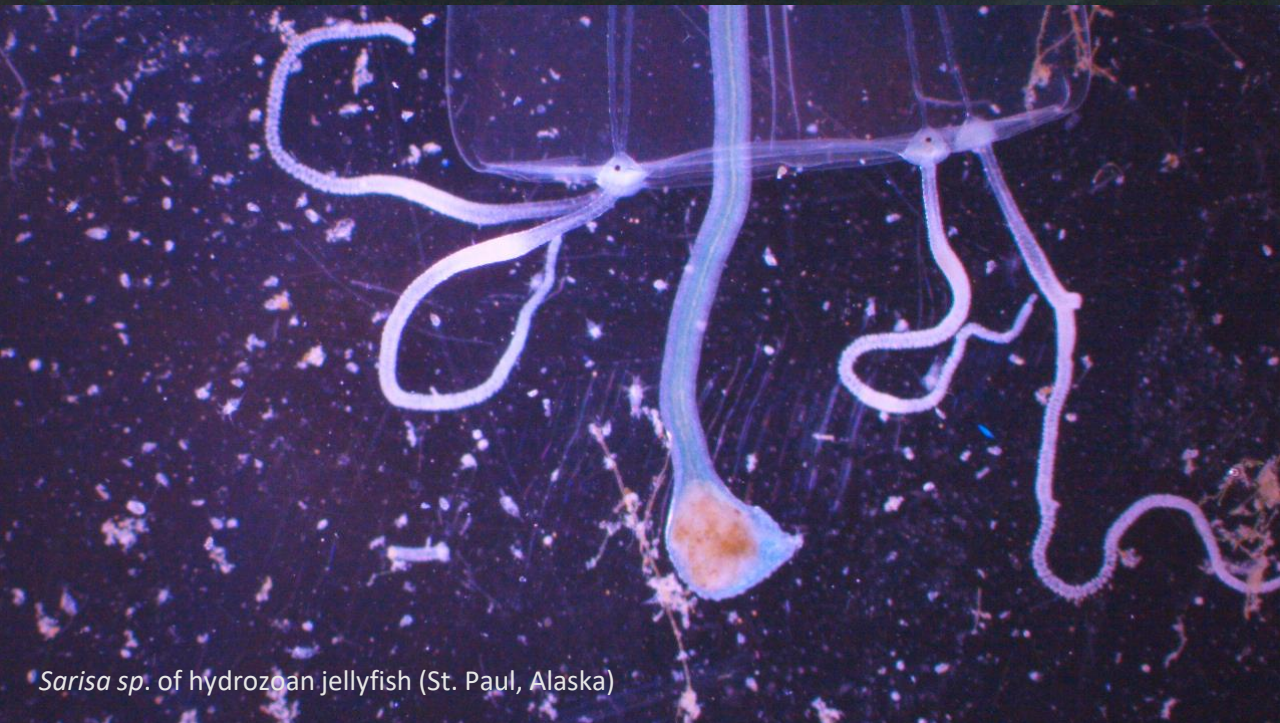




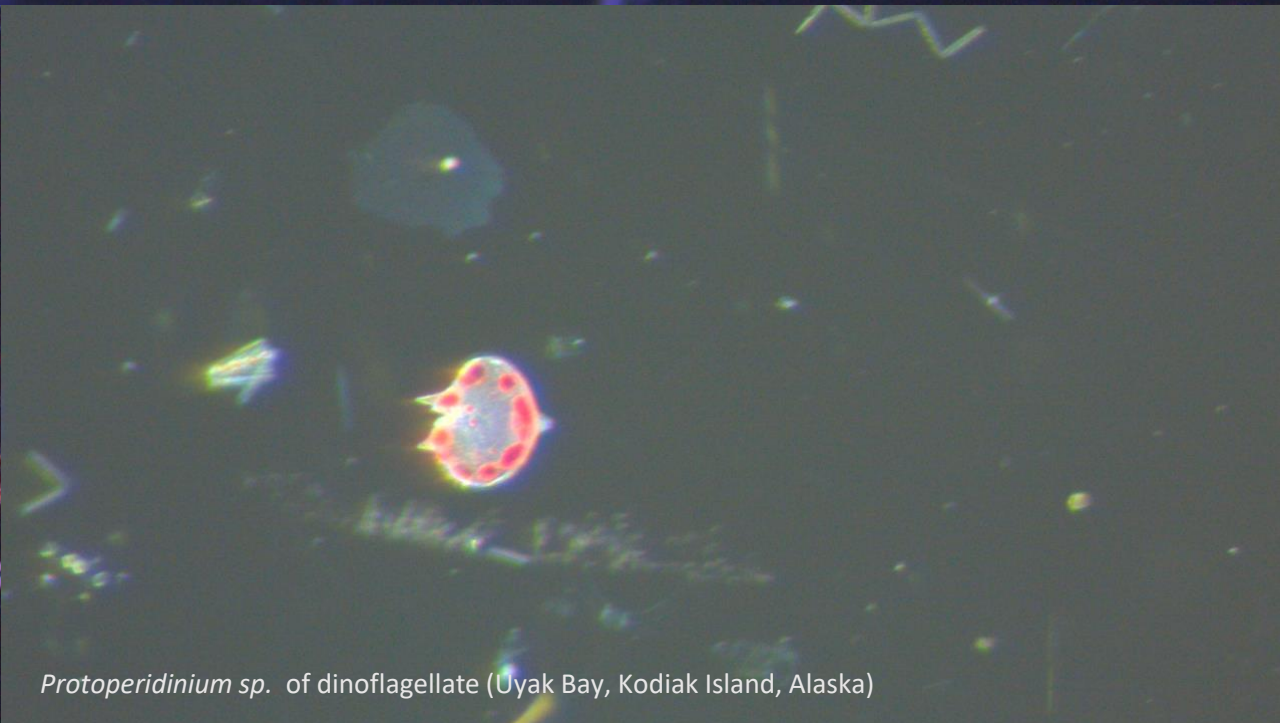
Barnacle larvae and pennate diatoms (Unga, Alaska)



Copepod female with egg mass (St. Paul, Alaska)



*Sarisa* sp. of hydrozoan jellyfish (St. Paul, Alaska)



*Protoperidinium* sp. of dinoflagellate (Uyak Bay, Kodiak Island, Alaska)



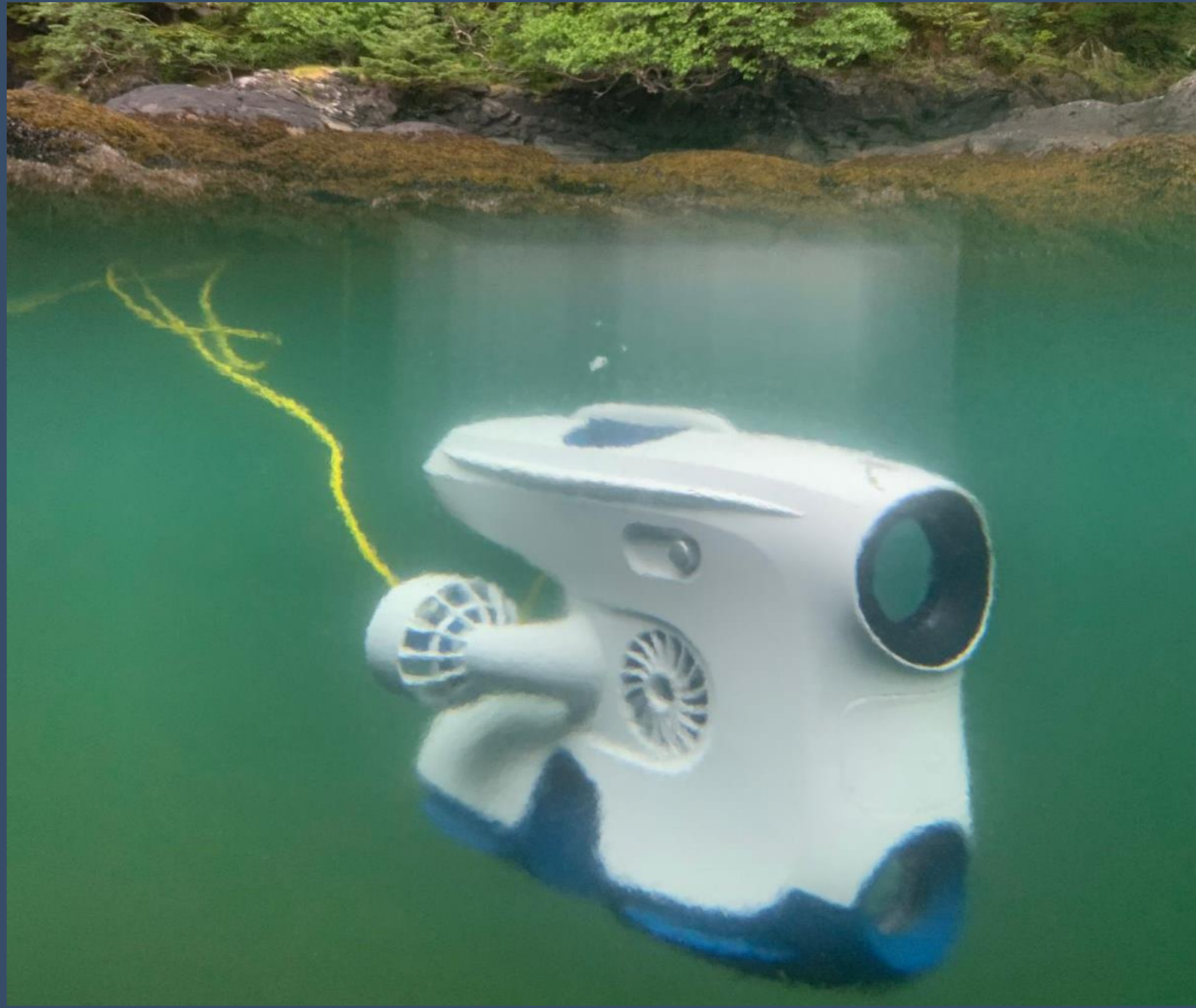
# Underwater drone

The underwater world is endlessly fascinating: it seems as if it holds an entire universe in its depths. Luckily, with our state of the art underwater drone, we are able to explore some of those places that we would otherwise only be able to imagine! We had the opportunity to deploy our drone at the following sites:

- **Kinak Bay**
- **Sitka**
- **Misty Fjords**

Through the lens of the drone, we saw a variety of strange and beautiful creatures in their natural habitats. Fish, invertebrate communities, kelp forests, seastars and urchins— the citizens of coastal Alaska, as glimpsed with this tool of modern exploration.

View the highlights from our underwater drone footage on HX Underwater Drone Footage [YouTube Channel](#)







# Citizen Science NASA Cloud Observer

Clouds aren't just fluffy shapes in the sky; they are incredibly important components to Earth's heat budget and balance. Information about when, where, and what types of clouds are forming helps scientists understand more about Earth's climate and climate change. Through NASA's GLOBE Cloud Observer program, we help contribute this kind of data.

Our citizen scientists submitted **8** observations to the global database run by NASA. Our observations were matched to data from weather satellites orbiting above and will be used to better understand global weather phenomena.

If you would like to continue cloud observations at home, you can download the app 'GLOBE Observer.'

[View our data](#) on the global map



# Citizen Science iNaturalist

In our voyage through Alaska we traversed many ecosystems and biomes. From the temperate rainforests of Southeast Alaska to the tundra of Nome, each place presented new and unique species. The impressive amount of species and observations we documented reflects how biologically diverse Alaska is!

We used the citizen science app iNaturalist to identify and record the flora and fauna seen on our journey. Our observations are available to be used in global scientific research.

In total we recorded:

- **267** Species
- **961** Observations

... and counting; as you upload more photos from home our dataset grows!

View our data submitted on our iNaturalist project here:

[2025 July 24 - Aug 9: MS Roald Amundsen - Alaska & British Columbia · iNaturalist](#)







# Citizen Science eBird

From seabirds to passerines, coastal Alaska has both an abundance and diversity of birdlife. Our onboard naturalists were constantly surveying the avifauna we encountered along our route.

Including during **10** onboard Wildlife Watch and eBird sessions, we recorded **110** bird species across **66** eBird checklists. Through the eBird platform, the data we collected is available for scientists around the world to help understand patterns of bird distribution, migration, and habitat use.

View our data for this trip here:

[Vancouver to Nome on the Amundsen, 24 July  
- 9 August 2025](#)



# Citizen Science

# Happywhale

Cetaceans— whales, dolphins, and porpoises— capture our imaginations and our hearts whenever we witness them. And, doing something as simple as taking a photo of them can help scientists learn more about these animals. That's where Happywhale comes in: by using AI to match images of whales submitted by users over time, they can track individuals as they migrate across the world and through their lives! And when you submit a photo, you will be notified of any past and future matches of that individual!

On this voyage we photographed **9 humpback whale** individuals and already received **6** matches back. For 5 of these individuals, we have recorded their first ever sightings in Alaska! This data has added to Happywhale's catalogue of identified whales across the world.

View the MS Roald Amundsen's submissions to Happywhale during our voyage:

[Happywhale: MS Roald Amundsen - July 08 to July 24](#)













# Partnership ORCA

Our partners at the whale and dolphin conservation charity ORCA are committed to conducting research that helps to identify important whale and dolphin habitats by using “platforms of opportunity” including expedition ships like the Roald Amundsen! Our onboard ORCA Conservationist, with the help of our guests, recorded vital sightings data across the course of our cruise that will help inform conservation decisions and policy in the future.

## Trip Survey Totals

Humpback whale		.....	186
Fin whale		.....	94
Minke whale		.....	1
Orca		.....	31
Dall's porpoise		.....	101
Harbour porpoise		.....	3

View more information about our partnership with ORCA here

[ORCA | HX Hurtigruten Expeditions](#)



# Wildlife List - Birds





# Wildlife List — Birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Anas platyrhynchos</i>	<b>Mallard</b>	Stockente	Canard colvert
<i>Anas acuta</i>	<b>Northern Pintail</b>	Spießente	Canard pilet
<i>Anas carolinensis</i>	<b>Green-winged Teal</b>	Carolinakrickente	Sarcelle à ailes vertes
<i>Aythya marila</i>	<b>Greater Scaup</b>	Bergente	Fuligule milouinan
<i>Somateria spectabilis</i>	<b>King Eider</b>	Prachteiderente	Eider à tête grise
<i>Somateria mollissima</i>	<b>Common Eider</b>	Eiderente	Eider à duvet
<i>Histrionicus histrionicus</i>	<b>Harlequin Duck</b>	Kragenente	Arlequin plongeur
<i>Melanitta perspicillata</i>	<b>Surf Scoter</b>	Brillenente	Macreuse à front blanc
<i>Melanitta deglandi</i>	<b>White-winged Scoter</b>	Höckersamtente	Macreuse à ailes blanches
<i>Clangula hyemalis</i>	<b>Long-tailed Duck</b>	Eisente	Harelde kakawi
<i>Bucephala islandica</i>	<b>Barrow's Goldeneye</b>	Spatelente	Garrot d'Islande
<i>Mergus merganser</i>	<b>Common Merganser</b>	Gänsesäger	Grand Harle
<i>Aechmophorus occidentalis</i>	<b>Western Grebe</b>	Renntaucher	Grèbe élégant
<i>Selasphorus rufus</i>	<b>Rufous Hummingbird</b>	Rotrücken-Zimtelfe	Colibri roux
<i>Haematopus bachmani</i>	<b>Black Oystercatcher</b>	Klippenausternfischer	Huîtrier de Bachman
<i>Pluvialis fulva</i>	<b>Pacific Golden Plover</b>	Tundra-Goldregenpfeifer	Pluvier fauve



# Wildlife List — Birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Ptychoramphus aleuticus</i>	<b>Cassin's Auklet</b>	Aleutenalk	Starique de Cassin
<i>Aethia pusilla</i>	<b>Least Auklet</b>	Zwergalk	Starique minuscule
<i>Aethia pygmaea</i>	<b>Whiskered Auklet</b>	Bartalk	Starique pygmée
<i>Aethia cristatella</i>	<b>Crested Auklet</b>	Schopfalk	Starique cristatelle
<i>Aethia psittacula</i>	<b>Parakeet Auklet</b>	Rotschnabelalk	Starique perroquet
<i>Brachyramphus brevirostris</i>	<b>Kittlitz's Murrelet</b>	Kurzschnabelalk	Guillemot de Kittlitz
<i>Brachyramphus marmoratus</i>	<b>Marbled Murrelet</b>	Marmelalk	Guillemot marbré
<i>Cepphus columba</i>	<b>Pigeon Guillemot</b>	Taubenteiste	Guillemot colombin
<i>Uria lomvia</i>	<b>Thick-billed Murre</b>	Dickschnabellumme	Guillemot de Brünnich
<i>Uria aalge</i>	<b>Common Murre</b>	Trottellumme	Guillemot marmette
<i>Synthliboramphus antiquus</i>	<b>Ancient Murrelet</b>	Silberalk	Guillemot à cou blanc
<i>Rissa tridactyla</i>	<b>Black-legged Kittiwake</b>	Dreizehenmöwe	Mouette tridactyle
<i>Rissa brevirostris</i>	<b>Red-legged Kittiwake</b>	Klippenmöwe	Mouette des brumes
<i>Xema sabini</i>	<b>Sabine's Gull</b>	Schwalbenmöwe	Mouette de Sabine
<i>Chroicocephalus philadelphia</i>	<b>Bonaparte's Gull</b>	Bonapartemöwe	Mouette de Bonaparte
<i>Larus brachyrhynchus</i>	<b>Short-billed Gull</b>	Kurzschnabel-Sturmmöwe	Goéland à bec court



# Wildlife List – Birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Larus smithsonianus</i>	<b>Herring Gull</b>	Kanadamöwe	Goéland hudsonien
<i>Larus schistisagus</i>	<b>Slaty-backed Gull</b>	Kamtschatkamöwe	Goéland à manteau ardoisé
<i>Larus hyperboreus</i>	<b>Glaucous Gull</b>	Eismöwe	Goéland bourgmestre
<i>Larus californicus</i>	<b>California Gull</b>	Kaliforniermöwe	Goéland de Californie
<i>Larus glaucescens</i>	<b>Glaucous-winged Gull</b>	Beringmöwe	Goéland à ailes grises
<i>Sterna paradisaea</i>	<b>Arctic Tern</b>	Küstenseeschwalbe	Sterne arctique
<i>Gavia stellata</i>	<b>Red-throated Loon</b>	Sternaucher	Plongeon catmarin
<i>Gavia pacifica</i>	<b>Pacific Loon</b>	Pazifiktaucher	Plongeon du Pacifique
<i>Gavia immer</i>	<b>Common Loon</b>	Eistaucher	Plongeon huard
<i>Gavia adamsii</i>	<b>Yellow-billed Loon</b>	Gelbschnabeltaucher	Plongeon à bec blanc
<i>Phoebastria immutabilis</i>	<b>Laysan Albatross</b>	Laysanalbatros	Albatros de Laysan
<i>Phoebastria nigripes</i>	<b>Black-footed Albatross</b>	Schwarzfußalbatros	Albatros à pieds noirs
<i>Oceanodroma furcata</i>	<b>Fork-tailed Storm Petrel</b>	Gabelschwanz-Wellenläufer	Océanite à queue fourchue
<i>Oceanodroma leucorhoa</i>	<b>Leach’s Storm Petrel</b>	Wellenläufer	Océanite cul-blanc
<i>Fulmarus glacialis</i>	<b>Northern Fulmar</b>	Eissturmvogel	Fulmar boréal



# Wildlife List – Birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Ardenna grisea</i>	<b>Sooty Shearwater</b>	Dunkler Sturmtaucher	Puffin fuligineux
<i>Ardenna tenuirostris</i>	<b>Short-tailed Shearwater</b>	Kurzschwanz-Sturmtaucher	Puffin à bec grêle
<i>Puffinus puffinus</i>	<b>Manx Shearwater</b>	Atlantiksturmtaucher	Puffin des Anglais
<i>Phalacrocorax urile</i>	<b>Red-faced Cormorant</b>	Rotgesichtscharbe	Cormoran à face rouge
<i>Phalacrocorax pelagicus</i>	<b>Pelagic Cormorant</b>	Meerscharbe	Cormoran pélagique
<i>Nannopterum auritus</i>	<b>Double-crested Cormorant</b>	Ohrenscharbe	Cormoran à aigrettes
<i>Ardea herodias</i>	<b>Great Blue Heron</b>	Kanadareihher	Grand Héron
<i>Pandion haliaetus</i>	<b>Osprey</b>	Fischadler	Balbuzard pêcheur
<i>Haliaeetus leucocephalus</i>	<b>Bald Eagle</b>	Weißkopf-Seeadler	Pygargue à tête blanche
<i>Buteo jamaicensis</i>	<b>Red-tailed Hawk</b>	Rotschwanzbussard	Buse à queue rousse
<i>Megaceryle alcyon</i>	<b>Belted Kingfisher</b>	Gürtelfischer	Martin-pêcheur d'Amérique
<i>Sphyrapicus ruber</i>	<b>Red-breasted Sapsucker</b>	Feuerkopf-Saftflecker	Pic à poitrine rouge
<i>Colaptes auratus</i>	<b>Northern Flicker</b>	Ostgoldspecht	Pic doré
<i>Empidonax difficilis</i>	<b>Western Flycatcher</b>	Feuchtwald-Schnäppertyrann	Moucherolle obscur
<i>Cyanocitta stelleri</i>	<b>Steller's Jay</b>	Diademhäher	Geai de Steller



# Wildlife List — Birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Pica hudsonia</i>	<b>Black-billed Magpie</b>	Hudsonelster	Pie d'Amérique
<i>Corvus brachyrhynchos</i>	<b>American Crow</b>	Amerikakrähe	Corneille d'Amérique
<i>Corvus corax</i>	<b>Common Raven</b>	Kolkrabe	Grand Corbeau
<i>Poecile rufescens</i>	<b>Chestnut-backed Chickadee</b>	Rotrückenmeise	Mésange à dos marron
<i>Tachycineta bicolor</i>	<b>Tree Swallow</b>	Sumpfschwalbe	Hirondelle bicolore
<i>Hirundo rustica</i>	<b>Barn Swallow</b>	Rauchschwalbe	Hirondelle rustique
<i>Regulus satrapa</i>	<b>Golden-crowned Kinglet</b>	Indianergoldhähnchen	Roitelet à couronne dorée
<i>Certhia americana</i>	<b>Brown Creeper</b>	Amerikabaumläufer	Grimpereau brun
<i>Troglodytes pacificus</i>	<b>Pacific Wren</b>	Pazifikzaunkönig	Troglodyte de Baird
<i>Cinclus mexicanus</i>	<b>American Dipper</b>	Grauwasseramsel	Cincle d'Amérique
<i>Sturnus vulgaris</i>	<b>European Starling</b>	Star	Étourneau sansonnet
<i>Turdus migratorius</i>	<b>American Robin</b>	Wanderdrossel	Merle d'Amérique
<i>Bombycilla cedrorum</i>	<b>Cedar Waxwing</b>	Zedernseidenschwanz	Jaseur d'Amérique
<i>Anthus rubescens</i>	<b>American Pipit</b>	Pazifikpieper	Pipit d'Amérique
<i>Pinicola enucleator</i>	<b>Pine Grosbeak</b>	Hakengimpel	Durbec des sapins



# Wildlife List — Birds

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS
<i>Leucosticte tephrocotis</i>	<b>Grey-crowned Rosy Finch</b>	Schwarzstirn-Schneegimpel	Roselin à tête grise
<i>Acanthis flammea</i>	<b>Common Redpoll</b>	Birkenzeisig	Sizerin flammé
<i>Spinus pinus</i>	<b>Pine Siskin</b>	Fichtenzeisig	Tarin des pins
<i>Calcarius lapponicus</i>	<b>Lapland Longspur</b>	Spornammer	Plectrophane lapon
<i>Plectrophenax hyperboreus</i>	<b>McKay's Bunting</b>	Beringschneeammer	Plectrophane blanc
<i>Passerella iliaca</i>	<b>Fox Sparrow</b>	Fuchsammer	Bruant fauve
<i>Junco hyemalis</i>	<b>Dark-eyed Junco</b>	Winterammer	Junco ardoisé
<i>Zonotrichia atricapilla</i>	<b>Golden-crowned Sparrow</b>	Kronenammer	Bruant à couronne dorée
<i>Passerculus sandwichensis</i>	<b>Savannah Sparrow</b>	Grasammer	Bruant des prés
<i>Melospiza melodia</i>	<b>Song Sparrow</b>	Singammer	Bruant chanteur
<i>Melospiza lincolnii</i>	<b>Lincoln's Sparrow</b>	Lincolnammer	Bruant de Lincoln
<i>Leiothlypis celata</i>	<b>Orange-crowned Warbler</b>	Orangefleck-Waldsänger	Paruline verdâtre
<i>Setophaga coronata</i>	<b>Yellow-rumped Warbler</b>	Kronenwaldsänger	Paruline à croupion jaune
<i>Setophaga townsendi</i>	<b>Townsend's Warbler</b>	Townsendwaldsänger	Paruline de Townsend
<i>Cardellina pusilla</i>	<b>Wilson's Warbler</b>	Mönchswaldsänger	Paruline à calotte noire



# Wildlife List - Marine Mammals





# Wildlife List – Marine Mammals

SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS	NORSK
<i>Megaptera novaeangliae</i>	<b>Humpback whale</b>	Buckelwal	Baleine à bosse	Knølhval
<i>Balaenoptera physalus</i>	<b>Fin whale</b>	Finnwal	Rorqual commun	Finhval
<i>Balaenoptera acutorostrata</i>	<b>Common minke whale</b>	Zergwal	Rorqual à museau pointu	Vågehval
<i>Orcinus orca</i>	<b>Orca</b>	Schwertwal	Orque	Spekkhogger
<i>Phocoena phocoena</i>	<b>Harbor porpoise</b>	Schweinswal	Marsouin commun	Nise
<i>Phocoenoides dalli</i>	<b>Dall's porpoise, Dall porpoise</b>	Weißflankenschweinswal	Marsouin de Dall	Dalls nise
<i>Eumetopias jubatus</i>	<b>Steller Sea Lion</b>	Stellerscher Seelöwe	Lion de mer de Steller	Hvalross
<i>Callorhinus ursinus</i>	<b>Northern Fur Seal</b>	Nördliche Seebär	Otarie à fourrure du Nord	Nordlig pelssel
<i>Phoca vitulina</i>	<b>Harbour Seal</b>	Seehund	Phoque commun	Steinkobbe
<i>Enhydra lutris</i>	<b>Sea Otter</b>	Meerotter	Loutre de mer	Havoter



# Wildlife List - Land Mammals





# Wildlife List – Terrestrial Mammals



SCIENTIFIC NAME	ENGLISH	DEUTSCH	FRANÇAIS	NORSK
<i>Tamiasciurus hudsonicus</i>	<b>American Red Squirrel</b>	Gemeines Rothörnchen	Écureuil roux américain	Amerikansk ekorn
<i>Ursus arctos</i>	<b>Brown Bear</b>	Braunbär	Ours brun	Isbjørn
<i>Ursus americanus</i>	<b>American Black Bear</b>	Amerikanischer Schwarzbär	Ours noir	Amerikansk svartbjørn
<i>Mustela erminea</i>	<b>Ermine/Stoat</b>	Hermelin	Hermine	Hermelin
<i>Neogale vison</i>	<b>Mink</b>	Nerz	Vison	Mink
<i>Oreamnos americanu</i>	<b>Mountain Goat</b>	Schneeziege	Chèvre des montagnes Rocheuses	Snøgeit
<i>Alopex lagopus</i>	<b>Arctic Fox</b>	Polarfox	Renard arctique	Fjellrev
<i>Odocoileus hemionus</i>	<b>Blacktail Deer</b>	Maultierhirsch	Cerf à queue noire	Mulhjort





# THE

Connect With Your  
Inner Scientist