

PROJECT OVERVIEW – 2024

Mining and hauling activities from the Mine Site to Milne Port continued throughout 2024, with 5.98 million tonnes of iron ore hauled using the Milne Inlet Tote Road and stockpiled at Milne Port.



Photo 1: Continued Development of Deposit No 1 (Nuluujaak Pit) – June 2024

Deposit No. 1 has an estimated 20-year resource. There is potential to expand the mine life of the Mary River Project through the development of other deposits in the area.



Photo 2: Iron Ore Being Loaded onto Mine Haul Trucks

Ore is transported from the Mine Site to the Port along the Tote Road in the form of lump and fines. There are no concentrators, tailings, or tailing ponds associated with production.



Photo 3: Shipment of Iron Ore to Milne Port by Ore Haul Transport along the Tote Road

After being hauled along the Tote Road, the ore is stockpiled at Milne Port and loaded onto ships that travel across the North Atlantic to deliver the ore to markets in Europe and Asia.



Photo 4: Aerial view of Stockpiling of Iron Ore at Milne Port - August 2024

From July 27 to October 26, Baffinland shipped a total of 6.06 million tonnes of iron ore to international markets. Seventy (70) round trip voyages were executed, carrying an average of approximately 86,500 tonnes of iron ore each over a 92-day period. Two capesize vessels were used in the 2024 season for four (4) total trips. These vessels are have an approximate capacity of 205 Mt, this is more than twice as large as the panamax vessels allowing Baffinland to move more ore with fewer ships and fewer transits.



Photo 5: Ore Carrier Nordic Odyssey Docked at the Ship Loader – August 2024

SITE ACTIVITIES COMPLETED IN 2024

In addition to the mining, hauling and shipping of ore, several activities were undertaken to support the continued advancement of Project operations in 2024. Notable activities completed include:

- Remedial Construction at KM105 Surface Water Management Pond – February 2024
- Remedial Construction at Culverts along the Tote Road – June 2024
- KM 77 Hill Check Dams Constructed and Silt Fencing Installed along the Tote Road – July 2024
- New Wash-Car Facilities at KM 33 and KM 80 along the Tote Road – August 2024
- Geotube Replacement Completed at the Waste Rock Facility Water Treatment Plant – August 2024



Photo 6: Construction at KM105 Surface Water Management Pond – February 2024



Photo 7: Completed Culvert Remediation along the Tote Road – June 2024



Photo 8: Check Dams Constructed and Silt Fencing Installed along the Tote Road – July 2024



Photo 9: New Wash-car Facility on the Tote Road – August 2024



Photo 10: Geotube Replacement Completed at the Waste Rock Facility Water Treatment Plant – August 2024

ENVIRONMENTAL MITIGATIONS AND ADAPTIVE MANAGEMENT

DUSTFALL

Adaptive mitigation measures continued to be implemented in 2024 to further minimize the total amount of dustfall resulting from Project activities, and to minimize potential effects of dustfall from the Project on the environment.



Photo 11: Water Truck Applying Dust Suppression – June 2024



Photo 12: Tire Drag on Tote Road – August 2024

As a direct result of concerns regarding the extent of dust, particularly at Milne Inlet, Baffinland continued applying a crusting agent on the ore stockpiles, with the objective of reducing the generation of wind blown fugitive dust.

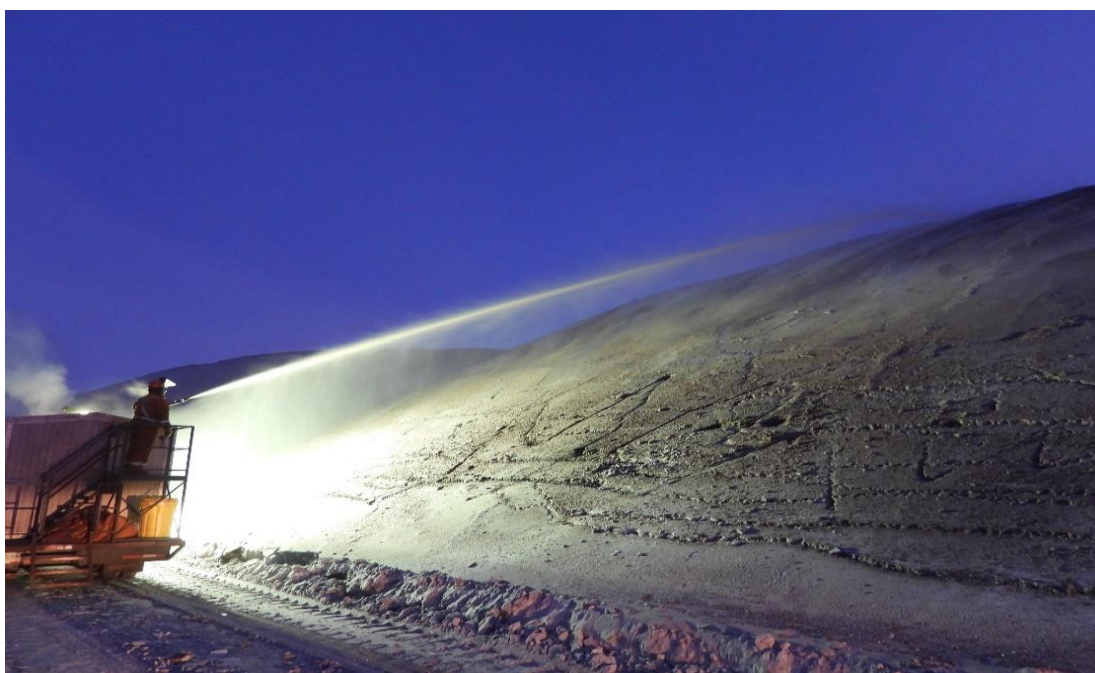


Photo 13: Dust Suppression at the Ore Pad Stockpile at Milne Port – January 2024

EROSION AND SEDIMENTATION MANAGEMENT

Adaptive mitigation measures such as the installation of silt fences are implemented as required during freshet to manage the effects of spring melt on Project infrastructure.



Photo 14: Silt Fence Installation along the Tote Road – August 2024



Photo 15: Snow Clearing for Freshet Preparation – April 2024

PROJECT MONITORING

Baffinland conducts a number of annual programs that focus on terrestrial environment monitoring, aquatic environment monitoring, marine mammal monitoring, marine environmental effects and aquatic invasive species monitoring, air and noise monitoring, and socio-economic monitoring.

TERRESTRIAL ENVIRONMENT MONITORING

As part of the terrestrial environment monitoring program Baffinland monitored several aspects of the terrestrial environment related to dustfall, terrestrial wildlife monitoring (e.g., snow tracks, snow bank height monitoring, remote wildlife camera monitoring and Height of Land caribou surveys), and bird monitoring (e.g., nest surveys).



Photo 16: Height of Land Survey – June 2024

Additional details regarding Baffinland's terrestrial monitoring program components and mitigation measures can be found in PC Summary Sheets 31 to 40 (Vegetation), 49 to 64 (Terrestrial environment including wildlife) and 65 to 75 (Birds).



Photo 17: Active Migratory Bird Nest Survey – July 2024



Photo 18: Dustfall Sampling – August 2024

FRESHWATER MONITORING

In 2024, monitoring activities undertaken in relation to the freshwater environment included monitoring the quality of surface water and fish habitat assessments for crossings along the Tote Road, monitoring freshwater valued ecosystems components (VECs) which include water quality, sediment quality and freshwater biota and fish habitat as part of the aquatic effects monitoring program, and monitoring surface water quality in waterbodies downstream of Project areas.



Photo 19: Mine Site Aquatic Effects Monitoring Program (AEMP) sample collection on Camp Lake – August 2024



Photo 20: Mine Site Aquatic Effects Monitoring Program (AEMP) Stream Sampling – June 2024



Photo 21: Mine Site Aquatic Effects Monitoring Program (AEMP) Winter Lake Sampling – April 2024

Additional details regarding Baffinland's freshwater monitoring program and mitigation measures can be found in PC Summary Sheet 41 to 48a.

MARINE MAMMAL AND ENVIRONMENT MONITORING

In 2024, Baffinland completed several marine monitoring programs, including: Ringed Seal Aerial Survey Program, Bruce Head Shore-based Monitoring Program, Marine Mammal Observation Network, Ballast Water Program (in collaboration with DFO) and the Marine Environmental Effects and Aquatic Invasive Species Monitoring Program.



Photo 22: Pod of Narwhals Transiting Through the Bruce Head Study Area - August 2024



Photo 23: Bruce Head Camp – August 2024



Photo 24: Department of Fisheries and Oceans (DFO) Ballast Water Program – October 2024



Photo 25: Collecting Benthic Invertebrate Samples during the Marine Environmental Effects Monitoring Program (MEEMP) Program – September 2024

Additional details regarding Baffinland's marine monitoring programs and mitigation measures can be found in PC Summary Sheets 99 to 128.

SOCIO-ECONOMIC BENEFITS AND COMMUNITY ENGAGEMENT

WORK READY PROGRAM

In 2024, Baffinland led in-person community-based and on-site Work Ready Programs. Community-based work-ready programs took place in Pond Inlet, Arctic Bay, Sanirajak, Igloolik, Clyde River, and Iqaluit.



Photo 26: Work Ready Program Graduates, Sanirajak – September 2024

HIGHSCHOOL GRADUATE PROGRAM

For over eleven (11) years, Baffinland has been providing all graduating high school students in the impacted North Baffin communities with a laptop. In 2024, a total of forty-five (45) laptops were distributed to high school graduates in Arctic Bay, Clyde River, Igloolik, Pond Inlet and Sanirajak.



Photo 27: High School Graduates in Igloolik who received a Laptop in 2024

SCHOLARSHIPS

In 2024, Baffinland awarded five (5), \$5,000 scholarships to Nunavummiut, totaling \$25,000.



Photo 28: Five \$5,000 Scholarships were Awarded to Inuit Enrolled Under the Nunavut Agreement and Pursuing a Post-secondary Education in 2024: Sereena Nattuk, Abigail Ullikatar, Kamikee Akavak, Bernice Kalluk and Jillian Kyak.

EMPLOYMENT

Baffinland's 2024 shipping monitor team is based out of our Pond Inlet office and is responsible for monitoring Baffinland's vessel activities and informing the community on Baffinland's shipping operations throughout the summer. Baffinland shipping monitors use a variety of methods to monitor our ships and are available to respond to questions and concerns community members may have.



Photo 29: Shipping Monitors in Training for the 2024 Shipping Season – July 2024

COMMUNITY ENGAGEMENT

In 2024, Baffinland conducted community engagement meetings in seven (7) Baffin Island communities on topics such as shipping, environmental monitoring and the Steensby Component.



Photo 30: The Community and Strategic Development Team Providing a Project Update in Kinngait - March 2024

In August 2024, Baffinland facilitated a gathering south of the future Steensby Port site. Over 160 Inuit attended, including Elders, as well as representatives of the Qikiqtani Inuit Association, Government of Nunavut and Baffinland.



Photo 31: Gathering South of the Future Steensby Port Site - August 2024