



# Mary River Project Key Facts

## Key Benefits of the Mary River Project

### Project Highlights

**2024**

Mary River Project operating since 2014

**\$3.5B**

billion dollars invested into the Project to date

**\$19.3B**

billion Estimated Increase to the total GDP of Nunavut

**\$30.7B**

billion to national GDP over the life of the Mary River Project



### Benefits, Royalty, and Taxation

**\$164M**

\$164 million has been paid to Qikiqtani Inuit Association (QIA) in royalties and other financial payments (including rent under the commercial lease between QIA and Baffinland, contribution to a training centre in Pond Inlet, QIA implementation costs, and other Mary River IIBA related payments)

**\$16.7M**

Tax payments (income tax and fuel tax) made by Baffinland to the Government of Nunavut in 2023 was approximately \$16.7 million. (i.e. fuel tax)

**\$33.3M**

Income tax payments made by Baffinland to federal, provincial and territorial authorities in 2023 was approximately \$33.3 million

**\$5B**

Over \$5 billion in payments expected to Nunavut Tunngavik Inc. (NTI), QIA, Government of Canada and Government of Nunavut over the life of the Project

**\$1B**

Over \$1 billion could flow directly to Inuit through employment opportunities

### Engagement Summary since 2014



Approximately **250 formal meetings** have been held with Hamlet Councils and HTOs

Approximately **100 Public Meetings**, Towns Halls or Public Radio Shows

More than **75 Working Group Meetings** (Marine, Terrestrial, and Socio-Economic)

More than **20 formal site visits**

Youth forums and community organization meetings such as sewing groups, foodbanks, schools and Search and Rescue committees

Informal engagements through many interactions with local community members at the Mary River Project site

Informal engagements between Baffinland community-based staff and community members.

Informal engagements with Inuit related to ongoing implementation of the IIBA, including engagements with Inuit contractors, job fairs and workshops and training of potential Inuit employees

Informal engagements with Governments (Federal/ Territorial)

Informal engagements through public review processes

Engagement through the volume of written materials exchanged with key parties such as the Hamlets and the HTOs via email and via the NIRB review and reconsideration process

Engagement through emails between Baffinland staff and interested parties based in Nunavut



## Project Education and Training Initiatives



**386**

### Laptops donated

Laptop donations within the North Baffin Communities



**\$180,000**

### Annual scholarship fund

36 recipients



**216,651 hr.**

### Hours of training for Inuit workers

## Contracting and Business Opportunities

Total value of contracts awarded in 2023

**\$471.3**

Over \$4.32 billion since Project began in 2014

Total value of contracts awarded to Inuit Firms in 2023

**\$171.3**

Over \$1.79 billion since Project began in 2014

## Key Steensby Railway Facts | Project Facts

### Operating Specifications for the Steensby Railway<sup>1</sup>



#### Ore Transport (Highest Capacity)

<b>Ore Type</b> Iron Ore: Hematite & Magnetite	<b>Train length</b> 1,094 m
<b>Ore Density</b> 2620 kg/m <sup>3</sup>	<b>Train weight loaded</b> 13,347 metric tonnes
<b>Railway Track Length</b> 149 km	<b>Train weight empty</b> 2,890 metric tonnes
<b>Train design speed</b> 60 km/h	<b>Train length (110 cars +2 locomotives)</b> 1,094 m
<b>Maximum operating speed</b> 60 km/h	<b>Trainloads per day</b> 6.5 loads / day
<b>Locomotives per train</b> 2	<b>Track gauge</b> Standard 1,435 mm
<b>Rail cars per train</b> 110	

#### Locomotives

<b>Fleet size</b> 8 + 2 spare
<b>Engine type</b> Diesel electric
<b>Horsepower</b> 4,400 hp
<b>Special specifications</b> ES44AC EPA Tier-4 Type, Extreme cold weather
<b>Size</b> 6 axles

#### Ore Cars

<b>Fleet size</b> 462
<b>Car tare weight</b> 21.9 metric tonnes
<b>Gross Rail Load</b> 129.7 metric tonnes
<b>Estimated length</b> 9.53 m per unit
<b>Max axle load</b> 32.4 tonnes per axle
<b>Maximum car height</b> 7.01 m from top of rail
<b>Volumetric Capacity</b> 45 m <sup>3</sup> per unit

<sup>1</sup> These specifications may be subject to future adjustment as detailed engineering of the Steensby Railway advances. Future material changes will be reported to the Canadian Transportation Agency in future as required by applicable legislation and any Section 98 issued in future by the agency.



## Steensby Project Buildings and Areas



Building Name  
**Maintenance shop and stores**

Location  
**Steensby**

Dimensions/Area  
**4073 m2**

Building Name  
**Office and welfare facilities**

Location  
**Steensby**

Dimensions/Area  
**507 m2**

Building Name  
**Locomotive servicing/inspection shed and train servicing area**

Location  
**Steensby**

Dimensions/Area  
**70 m x 14 m shelter and 3.6 m x 18 m prefab building**

Building Name  
**Train Inspection area and Train Crew booking-in office**

Location  
**Mary River**

Dimensions/Area  
**3.6 m x 17 m prefab building**

Building Name  
**Maintenance of Way Equipment Storage Shed**

Location  
**Steensby**

Dimensions/Area  
**20 m x 80 m x 5.8 m high building and 1 track 70 m long**

Building Name  
**Maintenance of Way Equipment Shed for MoW rail-bound and road vehicles.**

Location  
**Mary River**

Dimensions/Area  
**20 m x 80 m x 5.8 m high building and 1 track 70 m long**

## Rail Compounds

Compound  
**Ravn River Camp**

Location  
**KP 30**

Facility  
**Temporary Camp**

Accommodation Capacity  
**200**

Fuel Storage Liters  
**200,000**

Compound  
**Mid-Rail Camp**

Location  
**KP 55**

Facility  
**Temporary Camp**

Accommodation Capacity  
**320**

Fuel Storage Liters  
**5,000,000**

Compound  
**KP 81.6 Maintenance Depot**

Location  
**KP 81.6**

Facility  
**Maintenance Depot**

Accommodation Capacity  
**N/A**

Fuel Storage Liters  
**200,000**

Compound  
**N. Cockburn Camp**

Location  
**KP 105**

Facility  
**Temporary Camp**

Accommodation Capacity  
**250**

Fuel Storage Liters  
**9,500,000**

Compound  
**S. Cockburn Camp**

Location  
**KP 120**

Facility  
**Temporary Camp**

Accommodation Capacity  
**360**

Fuel Storage Liters  
**9,000,000**

Compound  
**KP 130 Maintenance Depot**

Location  
**KP 130**

Facility  
**Maintenance Depot**

Accommodation Capacity  
**N/A**

Fuel Storage Liters  
**600,000**

Compound  
**Steensby Mainland Camp**

Location  
**-**

Facility  
**Permanent Camp**

Accommodation Capacity  
**670**

Fuel Storage Liters  
**N/A**





## Railway Crossing Specifications

**258**

Number of Culverts

Type of Culvert

**Corrugated steel pipes**

Bridge Length

**15 – 215 meters**

**42**

Number of Bridges

Culvert Diameter

**0.9 to 4.3 Diameter**

Max Bridge Design Speed

**Bridge vertical clearance**

Culvert Design Criteria

**Designed for 1:200-year peak flows, assuming bottom half of culvert filled with ice and debris and using conservative climate change models.**

Bridge Vertical Clearance

**0.5 meters above the 1:200 years peak flows plus the 40% climate change factor**



## Other Railway Specifications



### Number of caribou crossing areas

**3**

key crossing location

**2**

broad crossing locations



### Number of land user crossings

**9**

proposed, subject to change based on Inuit feedback



### Number of Tunnels

**2**

1000 m in length and 300 m in length

## Key Approvals and Agreements

### Approval/Agreement

Amendment No. 1 to NBRLUP

### Regulatory Authority and Project Activity

Nunavut Planning Commission (NPC)  
Required to establish a railway transportation corridor within the NBRLUP

### Issued Date

2024

### Approval/Agreement

Project Certificate No. 005

### Regulatory Authority and Project Activity

Nunavut Impact Review Board (NIRB)  
Required under Article 12 of the Nunavut Agreement to obtain the requisite permits and approvals to proceed with the Project

### Issued Date

2012, amended in 2014, 2018, 2020, 2022 and 2023

### Approval/Agreement

Inuit Owned Land (IOL) Commercial Lease Q13C301

### Regulatory Authority and Project Activity

Qikiqtani Inuit Association (QIA)  
Mine development activities on Inuit-Owned Land (IOL)

### Issued Date

2013

### Approval/Agreement

Inuit Impact and Benefits Agreement (IIBA)

### Regulatory Authority and Project Activity

QIA  
Required under Article 26 of the Nunavut Agreement to proceed with Project

### Issued Date

2013, amended in 2018

### Approval/Agreement

Type A Water Licence 2AM-MRY1325

### Regulatory Authority and Project Activity

Nunavut Water Board (NWB) Water use and waste disposal associated with the mine

### Issued Date

2013, amended in 2015

### Approval/Agreement

Order-in-Council 2013-0953

### Regulatory Authority and Project Activity

Governor in Council  
Required for authority for CIRNAC to issue lease for Steensby Railway lands located on federal lands

### Issued Date

2013