





## ACKNOWLEDGEMENTS

The Nunavut Impact Review Board (NIRB) would like to thank all those who participated in the recent public scoping meetings held in various communities in the Kitikmeot region of Nunavut as part of the NIRB's Review of Hope Bay Mining Ltd.'s (HBML) Phase 2 Hope Bay Belt proposal. The meetings were successful owing to the participation and assistance of local organizations, community members, government and non-governmental agencies, and HBML. The NIRB would especially like to thank the many Elders and community members who actively participated in the public meetings, sharing input about the proposed Project and knowledge about the region with the NIRB staff and other meeting participants.

The NIRB would also like to take this opportunity to thank all of the communities for the warm hospitality offered to the NIRB staff during their recent visits.

Sincerely,

A handwritten signature in black ink that reads "Ryan Barry". The signature is fluid and cursive, with a long horizontal line extending from the end of the name.

Ryan Barry

Executive Director

Nunavut Impact Review Board



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## 1.0 INTRODUCTION

The Nunavut Impact Review Board (NIRB or Board) was established through Article 12 of the Nunavut Land Claims Agreement (NLCA) under which the Board is mandated to protect and promote the existing and future well-being of the residents and communities of the Nunavut Settlement Area, and to protect the ecosystemic integrity of the Nunavut Settlement Area with respect to proposed development projects and activities. This is done through the NIRB's environmental impact assessment process. An important part of this process is to inform potentially affected communities about proposed development projects and activities, and to promote public awareness and participation throughout the NIRB's assessment processes.

### 1.1 Outline of the Phase 2 Hope Bay Belt Project

The Phase 2 Hope Bay Belt Project (the Project) is a proposed gold mining and milling operation located approximately 125 kilometres southwest of Cambridge Bay in the Kitikmeot region. The Project will have an estimated milling rate of up to 2 million tonnes of ore per year, with anticipated total waste rock and tailings production of 350 million tonnes and 25 million tonnes, respectively. The Project would facilitate gold mining at the Madrid/Patch and Boston mineral deposits in the Hope Bay greenstone belt using both open pit and underground mining methods.

The Project proposal includes the expansion of existing infrastructure at the Doris district<sup>1</sup>, as well as the development of new infrastructure at the Madrid/Patch and Boston districts to support belt-wide mining operations. Hope Bay Mining Ltd. (HBML; the Proponent) has indicated that the number of personnel on the site at any given time is not expected to exceed 1,080 with a total of 720 on-site personnel during peak construction and 540 personnel during operations. Personnel at all phases of the Project would be employed on a fly-in/fly-out rotational basis. HBML proposes to commence Project development in 2014 – 2015, with a projected mine life of 15 years.

The proposed major project components associated project activities include:

#### i. Doris North Mine Site<sup>2</sup>

HBML proposes to use and/or expand existing facilities and associated activities at the Doris North site including use of the existing camp to accommodate an anticipated 360 persons during future construction of the Project; establishment of a heliport; expansion of the existing all-weather airstrip; use of potable water to be

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<sup>1</sup> The NIRB has previously reviewed the related but distinct Doris North Gold Mine project (NIRB File No. 05MN047) in accordance with Part 5 of Article 12 of the Nunavut Land Claims Agreement (NLCA). The Doris North Gold Mine project was allowed to proceed pursuant to the NIRB Project Certificate No. 003 which was issued September 15, 2006.

<sup>2</sup> HBML currently owns and operates the Doris North Project (NIRB File No. 05MN047), a prospective gold mining and milling operation located within the Hope Bay greenstone belt, which has yet to commence full mining and milling operations.



sourced from Doris Lake (as previously permitted) with use of existing sewage treatment plants; expansion of maintenance shops, administration buildings, mine dry (to include lockers, sinks, and changing rooms for personnel); use of reagent storage; development and operation of a batch plant, crushing circuit and mineral processing plant in support of underground mining activities; overburden, waste rock, and ore storage; surface water management (to include pollution and sediment control or supernatant ponds); use of previously permitted fuel storage facilities with capacity of up to 5 million litres (ML); tailings conveyance and storage (tailings storage and disposal options include sub-aqueous, sub-aerial and dry-stack with treated effluent to be discharged at Roberts Bay); development and operation of a landfill at quarried out areas; power generation and distribution; and the establishment and use of other miscellaneous support facilities.

**ii. Roberts Bay Port Site**

Activities and facilities proposed include the expansion of existing deep sea and shallow water port facilities; construction of wastewater management facility of effluent for discharge; construction of maintenance shops; use of two (2) existing moored accommodation barges to house 100 personnel; and use of an additional 60 ML of diesel fuel to be stored at the existing site's main fuel storage facility as well as the establishment of additional dispensing systems.

**iii. Madrid/Patch Mine Site**

Activities and facilities proposed include expansion or relocation of previous camp infrastructure, construction and operation of an all-weather airstrip; establishment of administration buildings, maintenance shops and mine dry (to include lockers, sinks, and changing rooms for personnel); diesel fuel power generation and related distribution infrastructure; establishment of fuel storage facilities; additional explosives storage facility; development of multiple open pit and underground mining operations; crushing circuit; potable water withdrawal from Patch and/or Windy Lakes; establishment of sewage treatment plant and sanitary landfill; ore and waste rock storage areas; and other miscellaneous support facilities.

**iv. Boston Mine Site**

Activities and facilities proposed include expansion or relocation of previous camp infrastructure, establishment of camp facility for up to 180 personnel; establishment of heliport and all-weather airstrip; withdrawal of potable water from Aimaokatalok Lake; establishment of sewage treatment plant; establishment of maintenance shops, administration buildings, mine dry (to include lockers, sinks, and changing rooms for personnel); reagent storage; additional explosives storage facility at Tail Lake and Boston Site; development of an open pit (to include the diking of a portion of Aimaokatalok Lake) and multiple underground mining operations; establishment and operation of a crushing circuit and a mineral processing plant; waste rock and ore storage; surface water management (including pollution and sediment control or supernatant ponds); fuel storage; tailings conveyance and storage (land-based dry stack or sub-aerial tailing facilities and/or placement of some tailings underground); development of a landfill at emptied quarry areas; power generation and distribution;



establishment of sewage treatment plant; establishment of mine water conveyance and treatment facilities; and other miscellaneous support facilities.

**v. Mid-belt Site**

Activities and facilities proposed include the installation of a mobile exploration camp to accommodate 180 personnel; temporary fuel storage at cache location (location to be determined); establishment of heliport, administration buildings and maintenance shops; and installation of potable water and sewage treatment plants using a number of lakes in the region as water sources.

**vi. Mobilization and Shipping**

Activities and facilities proposed include annual sealift of fuel, equipment and supplies via the Arctic Ocean to Melville Sound and then to the port facility at Roberts Bay during the ice-free (open water) season in the summer months; transport of some equipment and supplies to project site using Lockheed 382 Hercules, Boeing 737, and other aircraft; use of laydown areas at various locations at the project site; use of floating line to deliver fuel from barges and/or ships to land-based storage tanks; and shipment of gold concentrate (via sealift) and/or doré gold bars (via airlift) off site; construction of either or both all-weather or ice/snow roads from the pre-existing roads at Windy Camp to the Boston site, including several proposed water crossings, to allow for material hauling, facilitate site services, and access for exploration.

**vii. Abandonment, Decommissioning and Reclamation**

Activities and facilities proposed include mine decommissioning and removal of infrastructure and equipment from site; remediation of contaminated areas; reclamation of disturbed areas; enhancement of natural re-vegetation; and post-closure environmental monitoring, including installation of monitoring equipment.

All information pertaining to the Phase 2 Hope Bay Belt Project proposal can be accessed from the NIRB's FTP site at the following link:

<http://ftp.nirb.ca/02-REVIEWS/ACTIVE%20REVIEWS/12MN001-HBML%20PHASE%202%20HOPE%20BAY%20BELT/>

## **1.2 Brief File History**

On December 21, 2011 the NIRB received the "Phase 2 Hope Bay Belt Project" proposal directly from Hope Bay Mining Ltd. On January 12, 2012 the NIRB received a request to screen this project proposal from the Kitikmeot Inuit Association (KIA) and assigned the proposal file number 12MN001.

The NIRB screened the Phase 2 Hope Bay Belt Project proposal in accordance with Part 4 of Article 12 of the NLCA, and on February 24, 2012 issued a screening decision report to the Minister of Aboriginal Affairs and Northern Development (the Minister), recommending a review under Part 5 or 6 of Article 12 of the NLCA. On March 28, 2012 the NIRB issued an



Addendum to the February 24, 2012 Screening Decision Report to incorporate comments from Aboriginal Affairs and Northern Development Canada (AANDC). Following its recommendation to the Minister, the NIRB received correspondence dated May 7, 2012 from HBML requesting that, despite Doris North being placed under care and maintenance, the NIRB continue the Review process. On May 30, 2012, pursuant to Section 12.4.7 of the NLCA, the Minister referred the Project to the NIRB for a review pursuant to Part 5 of Article 12 of the NLCA. The Minister's referral also included information on two issues of concern identified in the NIRB's Screening Decision Report; the availability of participant funding for this Review, and guidance on Review timelines and expectations as a result of Doris North being placed into care and maintenance.

On May 31, 2012 the NIRB distributed the Minister's decision and commenced its Review of the Phase 2 Hope Bay Belt project.

### **1.3 Objectives of NIRB Scoping Process**

Pursuant to Article 12 of the NLCA, the NIRB's review process will:

- review the ecosystemic and socio-economic impacts of the proposed Project;
- gauge and define the extent of impacts on regions and communities; and
- determine on the basis of its review, whether the Project should proceed, and if so, under what terms and conditions, and then report its determination to the Minister.

The first step in the NIRB's Review process is to scope the project proposal and the potential impacts associated with developing the Phase 2 Hope Bay Belt Project. Scoping is a process that pinpoints significant issues requiring study and analysis. This process aims to identify those components of the biophysical and/or socio-economic environment that may be impacted by the Project and/or for which there is public concern. The NIRB solicits input from the Proponent and interested parties, including territorial and federal government departments, regional Inuit associations, and members of the public, in order to determine:

- Which Project components and activities will be included in the review;
- The temporal (time-related) and spatial (physical) boundaries of the Project;
- The issues and concerns to be considered in the review, including but not limited to the issues highlighted in the Minister's May 30, 2012 referral, including:
  - Availability of participant funding; and
  - Recent announcement regarding care and maintenance of Doris North.
- Any other requirements for the assessment of the Project.

On June 8, 2012 the NIRB released a *Draft Scope* for the assessment of the Project for review and comment by interested parties. Following the commenting period and revisions, on August 27, 2012 the Revised *Draft Scope* and *Draft Environmental Impact Statement (EIS) Guidelines* were issued for comment.

An important component of the NIRB scoping process requires the development of a public participation and awareness program which engages the public and encourages effective



participation throughout the review process. Public scoping meetings held by the NIRB staff in the Kitikmeot region are an integral portion of this public participation and awareness program and the NIRB's Review of the Phase 2 Hope Bay Belt Project. Through the public scoping meetings, the NIRB collected and categorized comments as well as traditional and local knowledge related to the project proposal from members of the communities consulted. Issues raised at these public scoping meetings, combined with the input from other parties regarding the NIRB's scoping list have led to the NIRB's completion of the Final Scope, which will further be included in the NIRB's EIS Guidelines document for the Proponents' preparation of an EIS for the Project.

## **2.0 NIRB PUBLIC SCOPING MEETINGS**

### **2.1 Overview of Public Scoping Meetings**

The NIRB conducted public scoping meetings in the five Kitikmeot communities (i.e. Kugaaruk, Gjoa Haven, Taloyoak, Cambridge Bay, and Kugluktuk) as well as Bathurst Inlet and Bay Chimo, as were identified by the Board as being potentially impacted by the proposed Phase 2 Hope Bay Belt Project. The public scoping meetings were held as one evening session in each community between October 9 and 23, 2012 and were facilitated by NIRB staff.

Following consultation with the KIA, it was determined that the most effective method of consulting residents of Bathurst Inlet and Bay Chimo (past or present) would be to consult with Community Liaison Officers and other officials within the communities of Cambridge Bay and Kugluktuk, and to invite those residents or persons associated with Bathurst Inlet and Bay Chimo to attend the Scoping meetings held in either Cambridge Bay or Kugluktuk. The NIRB issued invitations to 9 families which also reside in Cambridge Bay, and invitations to 8 families which also reside in Kugluktuk to attend as persons affiliated with either Bathurst Inlet or Bay Chimo. Letters were provided to Hamlet offices, with radio announcements and follow-up phone calls to individuals' homes made to remind invitees to retrieve the formal letter of invite and to encourage their attendance.

Representatives from various Government of Nunavut departments, local businesses, Hamlet officials and the Kitikmeot Inuit Association were also in attendance at meetings held in many of the communities. The following representatives were also in attendance as observers at several or all of the meetings.

- Hope Bay Mining Ltd. (the Proponent): Mr. Alex Buchan and Ms. Lea-Marie Bowes-Lyon
- Kitikmeot Inuit Association (KIA): Mr. John Roesch
- Aboriginal Affairs and Northern Development Canada (AANDC): Mr. James Neary

In addition to the evening meeting session, the NIRB staff also delivered a presentation to students of the Kugaaruk, Gjoa Haven and Taloyoak schools in the afternoon.

### **2.2 Setup of NIRB Public Scoping Meetings**

The scoping meetings were open to all members of the public, providing snacks and refreshments as well as door prizes as incentives to attend. At each meeting, all attendees were asked to sign in when they came in the door (see Appendix A). To facilitate a better



understanding of the Project and the NIRB's review process, the NIRB began each evening event with a PowerPoint presentation which provided an overview of the NIRB's environmental assessment process, an outline of the proposed Project, and the environmental factors which may be potentially impacted by the Project (Appendix B). The NIRB presentation was delivered in English, with simultaneous Inuktitut and/or Inuinnaqtun interpretation as appropriate for the community. The presentation was divided into sections to enable attendees an opportunity to think about the content of the presentation, their thoughts on the proposed Project, and provide input or ask questions. The public was encouraged to speak about their questions, comments or concerns on the proposed Project as well as any potential environmental impacts. Both written and verbal comments were accepted at the public scoping meetings, with verbal comments being recorded by the NIRB staff as well as representatives of the Proponent, KIA, and AANDC.

An automatic PowerPoint presentation was shown prior to the start of the meetings, which highlighted the NIRB's mandate and environmental assessment process. At present, this automatic presentation is only available in English and Inuktitut, and a resident of Kugluktuk noted that it should also be translated into Inuinnaqtun if it is intended for use in that community.

The Proponent also provided copies of various large maps from its Project proposal as well as site photos of the Doris North Site facilities proposed for use in the Phase 2 development, which were displayed at each meeting session.

### **2.3 Meeting Materials**

At each public meeting, the following materials were provided:

- The NIRB's presentation (in English, Inuktitut and/or Inuinnaqtun)
- The Minister's letter to NIRB regarding the Review of the Phase 2 Hope Bay Belt project, Dated May 30, 2012 (in English)
- The NIRB's Revised *Draft* Scope of the Phase 2 Hope Bay Belt project (in English)
- Comment Forms (in English, Inuktitut and Inuinnaqtun)
- NIRB Guides 1 through 9 (in English)
- Nunavut Land Claims Agreement (in English)
- NIRB Environment Assessment Brochure (in English)
- HBML's Project Description and Plain Language Project Summary (in English, Inuktitut and Inuinnaqtun)
- HBML's Project Proposal (in English)

### **2.4 Communities Consulted During Public Scoping Meetings**

The NIRB staff scheduled the public meetings based on consultation with community organizations and travel requirements. The public meetings were held as follows:



<b>Community</b>	<b>Date</b>
Kugaaruk	October 9
Gjoa Haven	October 10
Taloyoak	October 11
Cambridge Bay	October 17
Kugluktuk	October 23 ( <i>rescheduled from October 18 due to weather-related flight cancellations</i> )

## **2.5 Advertisements**

Public notification is essential to effective public engagement and is a necessary pre-requisite of the NIRB's public scoping meetings. The NIRB utilized a number of notification methods to advertise the public scoping meetings held in the Kitikmeot Region. Please refer to Appendix C for a sample of all advertisements distributed by the NIRB.

### ***Radio***

The NIRB distributed community flyers to the radio station in each community as part of the initial public notice campaign. Upon arrival to the community, NIRB staff spoke on the air (via telephone or by visiting the local radio station) to provide an in-person announcement of the event in English and where possible, in Inuktitut or Inuinnaqtun. The information covered in the announcement was a reiteration of information provided on the community flyers. It should be noted that the only radio station that where the NIRB staff was not able to complete this notice was for the community of Gjoa Haven as the local station is only open twice during that day; for the first opening over the noon hour the NIRB was in-flight due to weather delays, and the second opening over from 6-7 p.m. did not occur that day for reasons out of the control of NIRB staff.

### ***Community Flyers***

Prior to the visits held in each community, the NIRB enlisted the assistance of local community members for placement of the flyers around town. The flyers (see Appendix C) advertised the NIRB meetings in English Inuktitut. Due to time constraints and a lack of available translators, the community flyer was not able to be translated into Inuinnaqtun. When NIRB staff arrived in each community, flyer placements were verified and additional posters were placed in key business and community locations if they were not present (e.g. Co-op store, Northern store, Hamlet offices, etc.).

### ***Newspaper***

English, Inuktitut and Inuinnaqtun advertisements were printed in the *Nunatsiaq News* and Nunavut/News North newspaper two weeks prior to the start of the NIRB scoping meetings.



### ***Community TV/Cable Ads***

Cable Ads were shown on the Co-op Cable Channel in each community approximately seven days prior the NIRB meetings, and were shown in English, Inuktitut and/or Inuinnaqtun.

## **3.0 MEETING NOTES FROM NIRB'S PUBLIC SCOPING MEETINGS**

The following is a list of numerous comments that were provided both verbally and in writing at the scoping meetings for the proposed Phase 2 Hope Bay Belt Project as held in the Kitikmeot region. These comments will help to identify items that need to be addressed or considered throughout the environmental review process, and have been taken into account by the NIRB in creating the Final Scope for this Project.

Please note that all comments from each community have been grouped under general headings that correspond to topics that will be covered within the EIS Guidelines for this Project.

### **3.1 Kugaaruk**

#### **3.1.1 Meeting Notes**

##### **Date**

October 9, 2012

##### **Advertised Meeting Time**

7:00 pm to 9:00 pm

Session attendance: 84

#### **3.1.2 Comments and Questions**

##### **Issues regarding Gold Mining and Milling**

##### **Mining Legacy**

- Concern that dust will be produced from the milling process.
- Concern that planes and helicopters are disturbing the animals.

##### **Ecosystem**

##### **Terrestrial Wildlife and Habitat including Caribou**

- Do you have any studies that have been done to determine if there are effects to animals and plants? Like respiration problems.
- Concern that planes and helicopters are disturbing the animals. (Comment duplicated here)

##### **Fish and Fish Habitat**

- No comments

##### **Marine Wildlife and Marine Habitat**

- No comments





**Photo # 1: Public Scoping Meeting in Kugaaruk**

### Air Quality

- The miners have control for the dust am I correct? After the mine is closed my concern is the wind and the dust going elsewhere.
- Concern that dust will be produced from the milling process. (Comment duplicated here)
- Do you have any studies that have been done to determine if there are effects to animals and plants? Like respiration problems. (Comment duplicated here)

### Impacts from Noise and Vibrations

- No comments

### Marine Water and Freshwater Quality

- Comment regarding dust during spring run-off and impact to the environment.

### Vegetation

- How will the Proponent address re-vegetation after the mine closes?

### Human Health

- No comments



### Project Closure and Reclamation

- We would like to see proper restoration done prior to abandonment.

### Cumulative Impacts

- No comments

### Accidents and Malfunctions

- No comments

### Technological Innovations

- No comments

### Regulations and Mitigation Measures

- No comments

### Socio-Economic Environment

#### Inuit Impact Benefits Agreement (IIBA)

- Will dust affect the caribou and will caribou be in the area as there will be a hole in the ground? Will there be compensation if there is? (Comment duplicated here)

### Economics

- No comments

### Training and Employment

- Sometimes it is hard for Inuit to get jobs at the mine, it is evident that we will lose a part of our culture, and maybe not as much as other communities but there will be impacts, for those of us not making much money we are concerned about whether or not there will be jobs for us at the mine.

### Community and Individual Well-being

- No comments

### Land Use and Inuit Harvesting

- Concern that operations would impact traditional hunting grounds; for example the calving grounds, there may be impacts to the calving grounds.
- Inuit are connected to the land, we eat fish when we go out, and that is a part of healing group, it is very important that we go out; it is where some of us grew up.

### Culture and Heritage

- Sometimes it is hard for Inuit to get jobs at the mine, it is evident that we will lose a part of our culture, and maybe not as much as other communities but there will be impacts, for those of us not making much money we are concerned about whether or not there will be jobs for us at the mine. (Comment duplicated here)



- Inuit are connected to the land, we eat fish when we go out, and that is a part of healing group, it is very important that we go out; it is where some of us grew up. (Comment duplicated here)

### **Phase 2 Hope Bay Belt Proposal**

- How long will the mine be open, once it is open?

### **Shipping and Transportation**

- Concern that planes and helicopters are disturbing the animals. (Comment duplicated here)

### **NIRB Process and Consultation**

- I wonder if the Board Members go to the communities that will be impacted to listen to the public.
- Has any of the NIRB staff been to the Hope Bay project area?
- Us people speaking would like to see the Board in the communities, so the Board hears it from us and not from the staff.

### **Other Issues**

- No comments

## **3.2 Gjoa Haven**

### **3.2.1 Meeting Notes**

#### **Date**

October 10, 2012

#### **Advertised Meeting Time**

7:00 – 9:00 pm

Session attendance: 5

The NIRB would like to note that there were several other events scheduled for the same night as the NIRB Scoping Meeting, including a local firefighter's meeting, evening church services, and a meeting to develop a local fishing committee which community members informed NIRB staff that it would be to be offering cash door prizes. The NIRB would further note that the local radio station is usually open over the lunch and supper hours only; due to a weather delay, the NIRB staff members were in-flight during the lunch hour, and the radio did not open for the supper hour on that day.

### **3.2.2 Comments and Questions**

*No comments or questions from the meeting attendees.*



### 3.3 Taloyoak

#### 3.3.1 Meeting Notes

##### Date

October 11, 2012

Session attendance: 57

##### Advertised Meeting Time

7:00 – 9:00 pm

#### 3.3.2 Comments and Questions

##### Issues regarding Gold Mining and Milling

###### Mining Legacy

- Comment stating that mining companies come around and make a lot of promises, then when it comes down to the “nitty gritty” they don’t follow through and we have to be mindful not to forget about the environmental impacts from development.

###### Gold Mining

- No comments

##### Ecosystem

###### Terrestrial Wildlife and Habitat including Caribou

- Comment regarding the impacts of dust to caribou and water.
- Question on whether caribou can become ill like humans.
- Comment stating that the NIRB will have to be more aware that climate is changing and it would impact the wildlife, stating that Inuit live off wildlife and climate change could affect ice formation.
- Comment stating that wildlife will be more abundant where there is no mining activity.

###### Fish and Fish Habitat

- Concern that char and breeding seals would be impacted from the number of ships between July and September.
- Concern regarding the docking area and impacts it may have on whales and char.

###### Marine Wildlife and Marine Habitat

- Concern regarding the impact of ice breakers that come to the area every summer, and the barges that bring supplies seem as they are doing damage to the sea life.
- Concern that the number of ships would have an impact on sea life because the Northwest Passage is narrow.
- Concern that char and breeding seals would be impacted from the number of ships between July and September. (Comment duplicated here)



- Concern regarding the docking area and impacts it may have on whales and char. (Comment duplicated here)

#### Air Quality

- Comment regarding the impacts of dust to caribou and water. (Comment duplicated here)
- Concern regarding the impacts of airborne pollutants on human health.
- Concern regarding the effects of airborne dust on humans and a recommendation that a vacuum be available to collect the dust from the open pit.

#### Impacts from Noise and Vibrations

- No comments

#### Marine Water and Freshwater Quality

- Comment stating that water should be left as clean as when the mine first started.

#### Vegetation

- No comments

#### Human Health

- Concern regarding the impacts of airborne pollutants on human health. (Comment duplicated here)
- Concern regarding the effects of airborne dust on humans and a recommendation that a vacuum be available to collect the dust from the open pit. (Comment duplicated here)

#### Project Closure and Reclamation

- Comment stating that water is left as clean as when the mine first started. (Comment duplicated here)

#### Cumulative Impacts

- Concern regarding the number of ships that could increase in the north due to climate change and more development in the north.

#### Accidents and Malfunctions

- Concern that no one ever plans for an accident and a company is all about money. Make sure that everything is written and/or documented.
- Concern that people are having intestinal problems; not directly from the project but development in general, i.e. questioning fuel spills.
- Comment stating that trucks travelling the Roberts Bay to Boston road be marked for easy identification if there is a spill.

#### Technological Innovations

- No comments



### Regulations and Mitigation Measures

- No comments

### Socio-Economic Environment

#### Inuit Impact Benefits Agreement (IIBA)

- No comments

### Economics

- Comment stating that the company should give communities construction money because the further communities don't benefit as much as the other communities (Kugluktuk and Cambridge Bay).

### Training and Employment

- Concern regarding the number of ships that could increase in the north due to climate change and more development in the north, although it would be good for more employment. (Comment duplicated here)
- Comment stating that the company should give communities construction money because the further communities don't benefit as much as the other communities (Kugluktuk and Cambridge Bay). (Comment duplicated here)

### Community and Individual Well-being

- Concern that people are having intestinal problems; not directly from the project but development in general, ie questioning fuel spills. (Comment duplicated here)

### Land Use and Inuit Harvesting

- Concern that char and breeding seals would be impacted from the number of ships between July and September. (Comment duplicated here)
- Concern regarding the docking area and impacts it may have on whales and char. (Comment duplicated here)

### Culture and Heritage

- No comments

### Phase 2 Hope Bay Belt Proposal

- How many years would the Phase 2 mine be open?

### Shipping and Transportation

- Where are they going to be shipping the ore to?
- Concern regarding the number of ships that could increase in the north due to climate change and more development in the north, although it would be good for more employment. (Comment duplicated here)



- Concern regarding the impact of ice breakers that come to the area every summer, and the barges that bring supplies seem as they are doing damage to the sea life. (Comment duplicated here)
- Concern that the number of ships would have an impact on sea life because the Northwest Passage is narrow. (Comment duplicated here)
- Concern that char and breeding seals would be impacted from the number of ships between July and September. (Comment duplicated here)
- Concern regarding the docking area and impacts it may have on whales and char. (Comment duplicated here)
- Comment stating that trucks travelling the Roberts Bay to Boston road be marked for easy identification if there is a spill. (Comment duplicated here)

#### Tailings Facility and Waste Management

- No comments

#### NIRB Process and Consultation

- Comment thanking the NIRB for doing community presentations and hear concerns.

#### Other Issues

- Comment stating that it would be nice to see bilingual Kitikmeot Elders on the NIRB Board.
- Comment stating that the NIRB will have to be more aware that climate is changing and it would impact the wildlife, stating that Inuit live off wildlife and climate change could affect ice formation. (Comment duplicated here)
- Comment stating that many Americans are against Polar Bear hunting, there are some Polar Bears that are becoming more abundant and there is misconception by the medias that populations are declining.

### **3.4 Cambridge Bay**

#### **3.4.1 Meeting Notes**

##### Date

October 17, 2012

Session attendance: 50

##### Advertised Meeting Time

7:00 – 9:00 pm

#### **3.4.2 Comments and Questions**

#### Issues regarding Gold Mining and Milling

##### Mining Legacy

- No comments





**Photo # 3: Public Scoping meeting in Cambridge Bay**

*Gold Mining*

No comments

*Ecosystem*

*Terrestrial Wildlife and Habitat including Caribou*

- How does the mine monitor the caribou when the caribou are migrating?
- Question regarding research on migration routes, burial sites, archaeological sites.

*Fish and Fish Habitat*

- No comments

*Marine Wildlife and Marine Habitat*

- No comments

*Air Quality*

- No comments



#### Impacts from Noise and Vibrations

- No comments

#### Marine Water and Freshwater Quality

- No comments

#### Vegetation

- No comments

#### Human Health

- No comments

#### Project Closure and Reclamation

- No comments

#### Cumulative Impacts

- No comments

#### Accidents and Malfunctions

- No comments

#### Technological Innovations

- No comments

#### Regulations and Mitigation Measures

- If the project is to go ahead, do you need a permit for it?

#### Socio-Economic Environment

##### Inuit Impact Benefits Agreement (IIBA)

- No comments

#### Economics

- No comments

#### Training and Employment

- Do you need to be a beneficiary to work at the mine?
- How many jobs will be created?

#### Community and Individual Well-being

- No comments

#### Land Use and Inuit Harvesting

- No comments



### Culture and Heritage

- Question regarding research on migration routes, burial sites, archaeological sites. (Comment duplicated here)

### Phase 2 Hope Bay Belt Proposal

- Doris North is closing; does that mean that Madrid/Patch and Boston are closing down too? Or are they still going to be running?

### Shipping and Transportation

- No comments

### Tailings Facility and Waste Management

- No comments

### NIRB Process and Consultation

- No comments

### Other Issues

- How does the mine monitor the caribou when the caribou are migrating? (Comment duplicated here)
- Will they be cleaning up the mine? The mine that is there now.
- Doris North is closing; does that mean that Madrid/Patch and Boston are closing down too? Or are they still going to be running? (Comment duplicated here)

## **3.5 Kugluktuk**

### **3.5.1 Meeting Notes**

#### Date

October 23, 2012

Session attendance: 41

#### Advertised Meeting Time

7:00 – 9:00 pm

### Issues regarding Gold Mining and Milling

#### Mining Legacy

- No comments

#### Gold Mining

- No comments

### Ecosystem

#### Terrestrial Wildlife and Habitat including Caribou

- No comments





**Photo # 4: Sign-in table during the Scoping meetings for the Phase 2 Hope Bay Belt in Kugluktuk**

### **3.5.2 Comments and Questions**

#### *Fish and Fish Habitat*

- No comments

#### *Marine Wildlife and Marine Habitat*

- No comments

#### *Air Quality*

- No comments

#### *Impacts from Noise and Vibrations*

- No comments

#### *Marine Water and Freshwater Quality*

- No comments

#### *Vegetation*

- No comments

#### *Human Health*

- No comments

#### *Project Closure and Reclamation*

- No comments



#### Cumulative Impacts

- No comments

#### Accidents and Malfunctions

- No comments

#### Technological Innovations

- No comments

#### Regulations and Mitigation Measures

- No comments

#### **Socio-Economic Environment**

##### Inuit Impact Benefits Agreement (IIBA)

- No comments

##### Economics

- No comments

##### Training and Employment

- Supported the Project, provided jobs for the young people are available.
- Comment stating that job shadowing has worked in the past, but it appears that there is no monitoring of the company doing job shadowing or local training today.
- Is there a proposal by Newmont for ongoing training in local communities for future operations? And will they train people once Hope Bay starts up again?

##### Community and Individual Well-being

- Comments that financial planning is needed for young people.
- Comment that drugs and alcohol coming into the communities from company contractors affects the entire community.

##### Land Use and Inuit Harvesting

- No comments

##### Culture and Heritage

- No comments

#### **Phase 2 Hope Bay Belt Proposal**

- No comments

##### Shipping and Transportation

- No comments



### Tailings Facility and Waste Management

- No comments

### NIRB Process and Consultation

- How does the NIRB ensure a company follows through on commitments, potential benefits, local hires and job training?

### Other Issues

- Comment stating that too many criminal record checks keep the locals off the mine site.
- Concern regarding the capacity of Nunavut to be able to employ enough people to run so many proposed mines.
- Suggestion that projects be spread out on more sustainable development timelines rather than all at once.

## **4.0 SUMMARY AND CONCLUSION**

During the NIRB's public scoping meetings, community members provided comments and questions on a variety of topics relating to gold mining, potential impacts to human health and workers, impacts to wildlife (including caribou) and marine wildlife, impacts from shipping, accidents and malfunctions, and cumulative effects.

The comments and questions raised during these public scoping meetings were used to finalize the Scoping List and will be incorporated into the NIRB's EIS Guidelines for Hope Bay Mining Ltd.'s preparation of an EIS for the Phase 2 Hope Bay Belt. The EIS Guidelines have been circulated publicly, providing interested parties with an opportunity to provide comments to the Guidelines. Once finalized, these Guidelines for Hope Bay Mining Ltd. will be available on the NIRB's online public registry for the information of any interested member of the public or agency.



### APPENDIX A – NIRB’S PUBLIC SCOPING MEETING SIGN-IN SHEETS

The meeting attendance/sign-in sheets for all NIRB Public Scoping Meetings conducted during its Review of the Phase 2 Hope Bay Belt project are available on the NIRB’s FTP site at the following link:

<http://ftp.nirb.ca/02-REVIEWS/ACTIVE%20REVIEWS/12MN001-HBML%20PHASE%202%20HOPE%20BAY%20BELT/2-REVIEW/04-SCOPING%20%26%20GUIDELINES/01-SCOPING/04-SCOPING%20REPORT/>



### APPENDIX B – NIRB’S POWERPOINT PRESENTATION

The complete NIRB PowerPoint presentation (in English, Inuktitut and Inuinnaqtun) as delivered during the Public Scoping Meetings for HBML’s Phase 2 Hope Bay Belt project is available on the NIRB’s FTP site at the following link:

<http://ftp.nirb.ca/02-REVIEWS/ACTIVE%20REVIEWS/12MN001-HBML%20PHASE%202%20HOPE%20BAY%20BELT/2-REVIEW/04-SCOPING%20%26%20GUIDELINES/01-SCOPING/04-SCOPING%20REPORT/>



## APPENDIX C – PUBLIC MEETING NOTICE MATERIALS

### Appendix C-1 Public Meeting Flyer Samples (*English and Inuktitut*)

# THE NUNAVUT IMPACT REVIEW BOARD

WILL BE HOLDING A

## PUBLIC SCOPING MEETING FROM 7-9 PM

ON

### TUESDAY OCTOBER 9TH

AT KUGAARUK'S

### COMMUNITY HALL


⇒WHAT IS THE NUNAVUT IMPACT REVIEW BOARD?

⇒WHAT IS THE HOPE BAY PHASE 2 PROJECT?


⇒WHAT IS THE SCOPE OF THE PROJECT?

⇒HOW CAN YOU PARTICIPATE IN THE NIRB'S ENVIRONMENTAL ASSESSMENT PROCESS?

SIMULTANEOUS INTERPRETATION WILL BE AVAILABLE  
SNACKS AND REFRESHMENTS SERVED  
PRIZES WILL BE GIVEN AWAY!



CONTACT US:  
PHONE TOLL-FREE: 1 (866) 233-3033  
Box 1360 Cambridge Bay, NU X0B 0C0  
Email: [info@nirb.ca](mailto:info@nirb.ca)  
Website: <http://ftp.nirb.ca>





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## Appendix C-2 Newspaper Advertisement Samples (English, Inuktitut, and Inuinnaqtun)



**NOTICE OF PUBLIC MEETINGS**

The Nunavut Impact Review Board (NIRB) is an Institution of Public Government with responsibilities for the environmental assessment of proposed projects in Nunavut as described in Article 12 of the Nunavut Land Claims Agreement (NLCA).

**Phase 2 Hope Bay Belt Scoping Meetings**

The NIRB is holding Public Meetings to discuss its Review of Hope Bay Mining Ltd.'s proposed "Phase 2 Hope Bay Belt" project.

The NIRB invites the public to attend these meetings to learn more about:

- The proposed Phase 2 Hope Bay Belt project
- The NIRB's review process
- How YOU can participate in this public review

This will be a good opportunity to ask questions and provide input into NIRB's assessment!

**Kugaaruk Community Hall:**  
**October 9**

**Gjoa Haven Gideon Qitsualik Memorial Center:**  
**October 10**

**Taloyoak E.W. Lyaal Recreation Complex:**  
**October 11**

**Cambridge Bay Luke Novalgak Community Hall:**  
**October 17**

**Kugluktuk Community Hall:**  
**October 18**


Meeting times to be announced on local radio stations, cable channels, and posted flyer advertisements

Snacks and refreshments will be served

Simultaneous interpretation will be provided

**Contact us!**

Nunavut Impact Review Board  
Phone Toll-Free: 1-866-233-3033  
Email: [info@nirb.ca](mailto:info@nirb.ca)  
PO Box 1360, Cambridge Bay, NU X0B 0C0  
Fax: 1-867-983-2594



**TUHAKTITJUTAIT KATIMANIAKTUT**

Nunavumi Avatiligiyit Katimayit (NIRB) Havaktit Inuit Kavamatligiyit munagiyut avatiligiyiik ihivgiugutait uktugumayut hanayakhat Nunaumi ukakhimayut llangai 12 ataani Nunavumi Nunataagutit Angigutaanut (NLCA).

**llanganik 2 Kapihiliaktuuk llanganut ihivgiugutait Katimayut**

NIRBkut Inunik Katimapkainiaktut ukakatigilugit ihivgiugutait Kapiliaktuumi Uyagakhiuktut Timinga uktugumayainik "llangani 2 Kapihiliaktuuk llanganut" hanayakhat.

NIRBkut kaitkuiyut Inunik ilaukataulutik hapkoa katimayut naluhuigiaganik ilainik hamani:

- Uktugumayait llangani 2 Kapihiliaktuuk llanganut hanayakhat
- NIRBkut ihivgiugutait atugutait
- Kanuk ILVIT ilaulaaktutit hamani Inuit ihivgiugutainik

Hamna nakuuyut apigilugit apigiyumayatit ovalo tunilugit ikayugutikhainik llanganut NIRBkut ihivgiugutainut!

**Kugaaruk Olapkviani:**  
**October 9**

**Ukhuktuuq Gideon Qitsualik Olapkviani:**  
**October 10**

**Taloyoak E.W. Lyaal Olapkviani:**  
**October 11**

**Ikaluktutiak Luke Novalgak Olapkviani:**  
**October 17**

**Kugluktuk Olapkviani:**  
**October 18**

Katimaniaktut ulukhiutainik tuhaktiniaktut naalautikut, TVkut ovalo titigakhimayut tuhagutikhainik

Nigipkailutik ovalo titugutit ovalo kapitugutit tuniniaktut Ukaktigutikaniaktut

**Takuluta!**

Nunavumi Avatiligiyit Katimayit  
Foninga Akiitut: 1-866-233-3033  
Kagitauyakut: [info@nirb.ca](mailto:info@nirb.ca)  
Titigakvia: PO Box 1360, Ikaluktutiak, NU X0B 0C0  
Sukatukut: 1-867-983-2594





## TUHAKTITJUTAIT KATIMANIAKTUT

Nunavumi Avatiligiyyit Katimayit (NIRB) Havaktiit Inuit Kavamatligiyyit munagiyyut avatiligiyyiit ihivgiugutait uktugumayut hanayakhat Nunaumi ukakhimayut Ilangai 12 ataani Nunavumi Nunataagutit Angigutaanut (NLCA).

### Ilanganik 2 Kapihiliktuuk Ilanganut Ihivgiugutait Katimayut

NIRBkut Inunik Katimapkainiaktut ukakatigilugit ihivgiugutait Kapiliktuumi Uyagakhiuktut Timinga uktugumayainik "Ilangani 2 Kapihiliktuuk Ilanganut" hanayakhat.

NIRBkut kaitkuiyyut Inunik ilaukataulutik hapkoa katimayut naluhuigiaganik ilainik hamani:

- Uktugumayait Ilangani 2 Kapihiliktuuk Ilanganut hanayakhat
- NIRBkut Ihivgiugutait atugutait
- Kanuk ILVIT ilaulaaktutit hamani Inuit ihivgiugutainik

Hamna nakuuyut apigilugit apigiyumayatit ovalo tunilugit ikayugutikhainik ilanganut NIRBkut ihivgiugutainut!

#### Kugaaruk Olapkiviani:

**October 9**

#### Ukhuktuuq Gideon Qitsualik Olapkiviani:

**October 10**

#### Taloyoak E.W. Lyall Olapkiviani:

**October 11**

#### Ikaluktutiak Luke Novaligak Olapkiviani:

**October 17**

#### Kugluktuk Olapkiviani:

**October 18**

Katimaniaktut ulukhiutainik tuhaktiniaktut naalautikut,  
TVkut ovalo titigakhimayut tuhagutikhainik

Nigipkailutik ovalo titugutit ovalo kapitugutit tuniniaktut

Ukaktigutikaniaktut

**Takuluta!**

Nunavumi Avatiligiyyit Katimayit

Foninga Akiitut: 1-866-233-3033

Kagitauyakut: info@nirb.ca

Titigakvia: PO Box 1360, Ikaluktutiak, NU X0B 0C0

Sukatukut: 1-867-983-2594



## The logo for the Nunavut Impact Review Board (NIRB) features a stylized green map of Nunavut in the background. Overlaid on the map is a red Canadian maple leaf. Above the leaf, the Inuktitut phrase "ᓄᐱᕐ ᐃᑦᑎᑦᑏᐃᑦ ᑲᑎᑎᐱᕐ" is written in black. Below the leaf, the acronym "NIRB" is displayed in large, bold, black letters. Underneath "NIRB", the words "NUNAVUT IMPACT REVIEW BOARD" are written in smaller, black, all-caps letters. At the bottom, the Inuktitut name "NUNAVUMI AVATILIKIYIN KATIMAYIN" is written in black.

is holding a **Public Scoping Meeting** in your community regarding **Hope Bay Mining Ltd.'s** proposed **"Phase 2 Hope Bay Belt"** project on the following dates:

Community	Date	Meeting Place	Time
Kugaaruk	October 9	Community Hall	7-9 p.m.
Gjoa Haven	October 10	Gideon Qitsualik Memorial Center	7-9 p.m.
Taloyoak	October 11	E.W. Lyall Recreation Complex	7-9 p.m.
Cambridge Bay	October 17	Luke Novaligak Community Hall	7-9 p.m.
Kugluktuk	October 18	Community Hall	7-9 p.m.

- Learn about NIRB and its Review of the Project •
- Express your comments and concerns to NIRB staff •
- Share refreshments and win door prizes •

Email: [info@nirb.ca](mailto:info@nirb.ca)

Website: [www.nirb.ca](http://www.nirb.ca)



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ጥያቄ	ከጥር 11	ጥያቄው ዝርዝር	7-9 p.m.
ጥያቄ	ከጥር 17	ጥያቄው ዝርዝር	7-9 p.m.
ጥያቄ	ከጥር 18	ጥያቄው ዝርዝር	7-9 p.m.

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ᖃᕐᕋᕈᕐᓂᕐᓄᑦ ᑎᑎᕐᕋᕐᓂᕐᓄᑦ: [info@nirb.ca](mailto:info@nirb.ca)

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Nunaliuyuq	Uplua	Katimavikhaq	Upluqiuta
Kugaaruk	Aktuupa 9	Kamiuniti Haa	7-9 unnukhaq
Uquhuqtuuq	Aktuupa 10	Gideon Qitsualik Ulapqivik	7-9 unnukhaq
Taloyoak	Aktuupa 11	E.W. Lyall Ulapqivik	7-9 unnukhaq
Ikaluktutiak	Aktuupa 17	Luke Novoligak Kamiuniti Haa	7-9 unnukhaq
Kugluktuk	Aktuupa 18	Kamiuniti Haa	7-9 unnukhaq

- Iltihuaqniq tapkuninga NIRB-kut Naunaiyaqnilu taphuminga Havanguyumik •
  - Hatqiqitni uqauhiqtit ihumaluutitlu NIRB-kut havaktinut •
  - Niugagatauluitit takhinahuaqniqlu itigtunut taktakhanik •

Tuhaqpaligumaguvit tugaqvigilugit NIRB-kut aapisia akiittumi : 1-866-233-3033  
Qaqitauyakkut: [info@nirb.ca](mailto:info@nirb.ca) Qaqitauyakkuvia: [www.nirb.ca](http://www.nirb.ca)