

# **Kiggavik Project Final Environmental Impact Statement**

Tier 3 Technical Appendix 3A: Public Engagement Documentation

Part 3 – Baker Lake Transportation Workshops (2009)

### **TABLE OF CONTENTS**

SEC <sup>1</sup>	<u> </u>		<u>PAGE</u>
1	INTRO	ODUCTION	1-1
	1.1 1.2 1.3	OVERVIEWPURPOSESCOPE	1-1
2	METH	HODS	2-1
	2.1	COMMUNITY WORKSHOPS	2-1
3	RESU	JLTS	3-1
	3.1 3.2	ROAD ALTERNATIVESPREFERRED ROAD OPTIONS	
		LIST OF TABLES	
		ommunity Preferred Road Options (Baker Lake Transportation Workshop ommunity Preferred Road Options (Baker Lake Open House)	
		LIST OF ATTACHMENTS	
Attach Attach Attach	nment A nment B nment C nment D nment E	NOTIFICATIONSPRESENTATION MATERIALSIGN-IN SHEETSCOMMENT SHEETSPHOTOGRAPHS	B-1 C-1 D-1



### 1 INTRODUCTION

#### 1.1 OVERVIEW

AREVA Resources Canada Inc. (AREVA) submitted mine development applications and a project proposal to authorizing agencies on November 14, 2008 with the intent of initiating the Nunavut impact review process on the Kiggavik Project1. The Kiggavik Project is a proposed uranium mine (five deposits), a mill, and associated infrastructure located approximately 80 km west of the hamlet of Baker Lake in the Kivalliq region of Nunavut.

The Kiggavik Project proposal received a positive conformity determination about the Keewatin Regional Land Use Plan by the Nunavut Planning Commission (NPC) on January 16, 2009. The Nunavut Impact Review Board (NIRB) subsequently screened the project proposal. On March 13, 2009, the NIRB submitted a screening recommendation to the Honourable Chuck Stahl, Minister of Indian and Northern Affairs recommending a review. On February 23, 2010, the Minister announced his decision for a public review under Part 5 of Article 12 of the Nunavut Land Claims Agreement (NLCA) for the proposed Kiggavik Project.

Public participation is an essential component of AREVA's sustainable development model, and one of five guiding principles used by the NIRB. AREVA and, more specifically, the Kiggavik Project team want to establish stakeholder relationships based on trust and transparency.

AREVA began public participation initiatives for the Kiggavik Project in 2005, two years prior to the resumption of activities on site. Early initiatives focused on establishing relationships with stakeholder groups, opening a year-round Baker Lake information office, hiring a Community Liaison Officer and forming the Kiggavik community liaison committee (CLC). In 2007, public participation initiatives expanded to the six remaining Kivalliq communities, with visits to each community and formation of a regional liaison committee (RLC).

With increased project activity and an environmental review, AREVA is working to expand the exchange of information between the company and the communities. In November 2009, the company held Transportation Workshops in Baker Lake.

#### 1.2 PURPOSE

The purpose of the Baker Lake Transportation Workshops was to provide information to the community on the three road options, to seek advice about any special concerns near the proposed development area, and to explore community road option preferences.

<sup>&</sup>lt;sup>1</sup> The Kiggavik Project Proposal, applications to authorizing agencies, and regulator correspondence is available on the Nunavut Impact Review Board public registry at <a href="mailto:try://ftp.nirb.ca/">try://ftp.nirb.ca/</a> under file number AREVA - 09MN003.



The community remarks and preferences compiled in this report will be used to determine community preference for road options for the Kiggavik Project.

#### 1.3 SCOPE

The scope of work for the Transportation Workshops included community workshops with various Baker Lake groups. Comments were gathered over a two-day period to determine the preference of respected groups within the community.

The Baker Lake Open House provided a public forum for members of the community to learn more about the road options and to share any concerns they might have, and to indicate their preference. Information was also presented and opinions and preferences gathered at additional workshops held with Baker Lake Elders, the CLC, the Hunters and Trappers Organization and the District Education Authority (DEA). Presentations without workshops were made to the Hamlet Council and to the high school.



### 2 METHODS

#### 2.1 COMMUNITY WORKSHOPS

Members of the Kiggavik Project team want to know the thoughts, concerns, and ideas of Baker Lake residents on the proposed road. Community meetings were coordinated with Barry McCallum, Manager of Nunavut Affairs for AREVA in Baker Lake. This provided a public forum to discuss the road options with community members. The objective was to provide information regarding the road options and to seek advice about any special concerns there may be near the proposed development area.

The community of Baker Lake was consulted through a series of workshops:

- Baker Lake Elders, November 25, 2009
- Community Liaison Committee (CLC), November 25, 2009
- District Education Authority (DEA), November 25, 2009

In addition, an open house was held in Baker Lake on November 25, 2009 and presentations were given to:

- Baker Lake Hamlet Council, November 23, 2009
- Jonah Amitnaaq High School, November 26, 2009

The Baker Lake Open House augmented results on community road preferences gathered in workshops with Baker Lake Elders and members of the CLC and DEA. The community consultations were well attended, and adequately gathered community input required on the proposed road options.



### 3 RESULTS

#### 3.1 ROAD ALTERNATIVES

The Kiggavik Project is proposing a 90–100 km access road from Baker Lake to the Kiggavik area to transport supplies and yellowcake. Currently, there is a winter trail that connects Baker Lake to the Kiggavik area. The Project will require the construction and maintenance of a more substantial access road.

Several options for the access road are being considered. AREVA is assessing each option in several ways in order to propose the best choice for the community, the environment, and the Project. Studies to determine the best transportation alternative include archaeological, wildlife and aquatic surveys and geotechnical investigations. Each alternative has advantages and disadvantages.

#### **North All-Weather Access Route:**

- Connected to the Baker Lake community
- Requires a bridge or cable ferry over the Thelon River
- Operational for up to 12 months
- Constructed on the Tundra

#### **Winter Access Route:**

- Connected to the Baker Lake community
- Requires trucks crossing over Baker Lake
- Operational for up to 4 months in the winter
- Constructed half on the Tundra and half on the lake

#### **South All-Weather Access Route:**

- Not connected to the Baker Lake community
- Operational for up to 12 months
- Constructed on the Tundra



#### 3.2 PREFERRED ROAD OPTIONS

Information on the three road alternatives was presented at the Transportation Workshops, with comments collected from participants. As illustrated in Table 3.2-1, community feedback shows that the North All-Weather Access Route is the preferred route. The South All-Weather Access Route and Winter Access Route are the second and third place preferences.

**Table 3.2-1 Community Preferred Road Options (Baker Lake Transportation Workshops)** 

	Baker Lake Elders	Baker Lake Open House	Community Liaison Committee (CLC)	District Education Authority (DEA)	Total
North All-Weather Access Route	9	7	3	1	20
Winter Access Route	1	1	-	-	2
South All-Weather Access Route	1	1	1	-	3

The Baker Lake Open House provided a public forum for members of the community to learn more about the road options, to share any concerns they might have and to indicate their preference. Informational posters in the Inuktitut and English language enabled community members to read about the various options and to indicate their preferred road access option. It was noted that children were wanting to participate in this selection process, so AREVA's Kiggavik Project Team created a smaller version of the road options poster and encouraged youngsters to note their preference.

Table 3.2-2 indicates that community preference is for the North All-Weather Access Route. This is in line with the preference indicated in workshops with Elders and members of the CLC and DEA.

Table 3.2-2 Community Preferred Road Options (Baker Lake Open House)

	Inuktitut Poster (Adults)	English Poster (Adults)	Total	Kids' Poster
North All-Weather Access Route	4	53	57	4
Winter Access Route	0	6	6	10
South All-Weather Access Route	0	5	5	0



# ATTACHMENT A NOTIFICATIONS









AREVA Resources Canada invites you to an open house to learn more about the proposed Kiggavik uranium project. Come meet our team. We are back in Baker Lake to answer your questions and to talk about what we learned ANG/DIO PDIA " OF CO at our community meetings earlier this year. We will also be asking for your input on the possible road options to the proposed Kiggavik site.

Come enjoy some refreshments with us and give your feedback on the proposed project. You may even have the opportunity to take home a door prize.

Wednesday, November 25, 2009 **Baker Lake Recreation Centre** 1:00 - 10:00 pm

For more information contact: AREVA Resources Canada Inc. Baker Lake (867) 793.2000

ALCO BAUPS ACYCC'WSY CLDF% ACAMUNICAL PILAN שלבא אבתאשי bna-454264. **▶**∩%/L~FU\*C%L→⊃4%J¢ als bibbyibomr Clary **シャイペー・サイトー・サクイクしょう** Decade PUTAULPC Dec CLDL& DPDJY\*DF. 4L3 ላለህ/ъታላናሩ CL8ታሢ PLLAGI ACAADO 46015,

₽∨₯₱₽₽₽₽₩₽₽₽₽₩₽₩₽ AVAULTE. 

ለንህላጭታ, *ው*ልለ<sub>ሌ</sub> 25, 2009. **ኔ**ኒታጋላጭር **ጋር**የልጓፕ 1:00 10:00 Þød€

Obstange Purde AREVA Resources Canada Inc. 5bLa-D456 (867) 793,2000

arevaresources.ca

Figure A.1-1 Kivalliq Ad





Ms. Joan Scottie Baker Lake Concerned Citizens Committee Baker Lake, Nunavut XOC 0A0

Dear Ms. Scottie:

#### Re: Kiggavik Open House Round 2 and Workshop on Possible Road Options

AREVA Resources Canada Inc. (AREVA) is planning to hold an open house and a series of workshops on the Kiggavik Project ("Project") from November 24 to 26, 2009 in Baker Lake. All residents of Baker Lake are invited to attend the open house. The attached announcement for the open house is being posted around Baker Lake. In addition to the open house, we would like to have increased levels of engagement with Baker Lake residents and we are therefore inviting the Baker Lake Concerned Citizens Committee to participate in a workshop that would last approximately one hour.

One of the important decisions to be considered is the road route between Baker Lake and the Kiggavik site that AREVA will propose. We have heard from community members and our Community Liaison Committee that we should get input from the people of Baker Lake before proposing a road option. Should you agree to a workshop, we would describe the three possible road options, answer any questions you might have and then ask the participants to select the route they prefer.

Information gathered at workshops will be presented in the Kiggavik environmental impact statement and the information we gain from the community participants at these road option workshops will be used to propose a road option for use during the life of the mine. Final selection of the road route will also be influenced by environmental, logistical, and safety considerations. The public can continue to share their views with AREVA through meetings, open houses and at the Baker Lake office and there will be opportunities to comment again on the road options during the public environmental assessment review process.

The Kiggavik project team is available for workshops from 1 PM to 10 PM on November 24, from 9 AM until 10 PM on Nov 25, and from 9 am until 4 PM on November 26. Please call the Baker Lake office at 793-2000 or drop by the Baker Lake AREVA office and let William Noah know if the Baker Lake Concerned Citizens Committee would like to participate in one of the workshops. We will follow-up with a phone call this week to confirm a location and time that is convenient for your group.

AREVA values your participation and we thank you for considering this workshop.

Yours truly,

Barry McCallum Manager, Nunavut Affairs

Enclosure

AREVA Resources Canada Inc.
P.O. 8a: 9704 - 817 - 45° Street West - Sestation; SKS7K 3K5 - CANATA
Tel. 17308) 343-4500 - Fax. 7 (308) 853-3803 - Web Sto: www.arevs.ca

Figure A.1-2 Letter to Baker Lake Concerned Citizens Committee





Mr. Bill Kashla, Chair Baker Lake District Education Authority Baker Lake, Nunavut XOC 0A0

Dear Mr. Kashla:

#### Re: Kiggavik Open House Round 2 and Workshop on Possible Road Options

AREVA Resources Canada Inc. (AREVA) is planning to hold an open house and a series of workshops on the Kiggavik Project ("Project") from November 24 to 26, 2009 in Baker Lake. All residents of Baker Lake are invited to attend the open house. The attached announcement for the open house is being posted around Baker Lake. In addition to the open house, we would like to have increased levels of engagement with Baker Lake residents and we are therefore inviting the DEA to participate in a workshop that would last approximately one hour. A similar request has been made to the high school.

One of the important decisions to be considered is the road route between Baker Lake and the Kiggavik site that AREVA will propose. We have heard from community members and our Community Liaison Committee that we should get input from the people of Baker Lake before proposing a road option. Should you agree to a workshop, we would describe the three possible road options, answer any questions you might have and then ask the participants to select the route they prefer.

Information gathered at workshops will be presented in the Kiggavik environmental impact statement and the information we gain from the community participants at these road option workshops will be used to propose a road option for use during the life of the mine. Final selection of the road route will also be influenced by environmental, logistical, and safety considerations. The public can continue to share their views with AREVA through meetings, open houses and at the Baker Lake office and there will be opportunities to comment again on the road options during the public environmental assessment review process.

The Kiggavik project team is available for workshops from 1 PM to 10 PM on November 24, from 9 AM until 10 PM on Nov 25, and from 9 am until 4 PM on November 26. Please call the Baker Lake office at 793-2000 or drop by the Baker Lake AREVA office and let William Noah know if the DEA would like to participate in one of the workshops. We will follow-up with a phone call this week to confirm a location and time that is convenient for your group. AREVA values your participation and we thank you for considering this workshop.

Yours truly,

Barry McCallum

Manager, Nunavut Affairs

Enclosure

Figure A.1-3 Letter to Baker Lake District Education Authority





Ms. Margaret Amarook Baker Lake Elders Group Baker Lake, Nunavut XOC 0A0

Dear Ms. Amarook:

#### Re: Kiggavik Open House Round 2 and Workshop on Possible Road Options

AREVA Resources Canada Inc. (AREVA) is planning to hold an open house and a series of workshops on the Kiggavik Project ("Project") from November 24 to 26, 2009 in Baker Lake. All residents of Baker Lake are invited to attend the open house. The attached announcement for the open house is being posted around Baker Lake. In addition to the open house, we would like to have increased levels of engagement with Baker Lake residents and we are therefore inviting the Baker Lake Elders Group to participate in a workshop that would last approximately one hour.

One of the important decisions to be considered is the road route between Baker Lake and the Kiggavik site that AREVA will propose. We have heard from community members and our Community Liaison Committee that we should get input from the people of Baker Lake before proposing a road option. Should you agree to a workshop, we would describe the three possible road options, answer any questions you might have and then ask the participants to select the route they prefer.

Information gathered at workshops will be presented in the Kiggavik environmental impact statement and the information we gain from the community participants at these road option workshops will be used to propose a road option for use during the life of the mine. Final selection of the road route will also be influenced by environmental, logistical, and safety considerations. The public can continue to share their views with AREVA through meetings, open houses and at the Baker Lake office and there will be opportunities to comment again on the road options during the public environmental assessment review process.

The Kiggavik project team is available for workshops from 1 PM to 10 PM on November 24, from 9 AM until 10 PM on Nov 25, and from 9 am until 4 PM on November 26. Please call the Baker Lake office at 793-2000 or drop by the Baker Lake AREVA office and let William Noah know if the Baker Lake Elders Group would like to participate in one of the workshops. We will follow-up with a phone call this week to confirm a location and time that is convenient for your group. AREVA values your participation and we thank you for considering this workshop.

Yours truly,

Barry McCallum Manager, Nunavut Affairs

Enclosure

AREVA Resources Canada Inc.
P.O. Box 9294 – 917 - 45th Street West – Saskatinon, Six 57K 3X5 – CANADA.
Tel. 1 (308) 345-4500 – Fbx. 1 (308) 653-3869 – Web Site. www.areva.ca.

Figure A.1-4 Letter to Baker Lake Elders Group





Mr. Thomas Elytook Baker Lake Hunters and Trappers Organization Baker Lake, Nunavut XOC 0A0

Dear Mr. Elytook:

#### Re: Kiggavik Open House Round 2 and Workshop on Possible Road Options

AREVA Resources Canada Inc. (AREVA) is planning to hold an open house and a series of workshops on the Kiggavik Project ("Project") from November 24 to 26, 2009 in Baker Lake. All residents of Baker Lake are invited to attend the open house. The attached announcement for the open house is being posted around Baker Lake. In addition to the open house, we would like to have increased levels of engagement with Baker Lake residents and we are therefore inviting the Baker Lake HTO to participate in a workshop that would last approximately one hour.

One of the important decisions to be considered is the road route between Baker Lake and the Kiggavik site that AREVA will propose. We have heard from community members and our Community Liaison Committee that we should get input from the people of Baker Lake before proposing a road option. Should you agree to a workshop, we would describe the three possible road options, answer any questions you might have and then ask the participants to select the route they prefer.

Information gathered at workshops will be presented in the Kiggavik environmental impact statement and the information we gain from the community participants at these road option workshops will be used to propose a road option for use during the life of the mine. Final selection of the road route will also be influenced by environmental, logistical, and safety considerations. The public can continue to share their views with AREVA through meetings, open houses and at the Baker Lake office and there will be opportunities to comment again on the road options during the public environmental assessment review process.

The Kiggavik project team is available for workshops from 1 PM to 10 PM on November 24, from 9 AM until 10 PM on Nov 25, and from 9 am until 4 PM on November 26. Please call the Baker Lake office at 793-2000 or drop by the Baker Lake AREVA office and let William Noah know if the Baker Lake HTO would like to participate in one of the workshops. We will follow-up with a phone call this week to confirm a location and time that is convenient for your group. AREVA values your participation and we thank you for considering this workshop.

Yours truly,

Barry McCallum Manager, Nunavut Affairs

Enclosure

Figure A.1-5 Letter to Baker Lake Hunters and Trappers Organization





Mr. Bill Cooper, Principal Jonah Amitnaaq Highschool Baker Lake, Nunavut XOC 0A0

Dear Mr. Cooper.

#### Re: Kiggavik Open House Round 2 and Workshop on Possible Road Options

AREVA Resources Canada Inc. (AREVA) is planning to hold an open house and a series of workshops on the Kiggavik Project ("Project") from November 24 to 26, 2009 in Baker Lake. All residents of Baker Lake are invited to attend the open house. The attached announcement for the open house is being posted around Baker Lake. In addition to the open house, we would like to have increased levels of engagement with Baker Lake residents and we are therefore inviting staff and students from JA High School to participate in a workshop that would last approximately one hour.

One of the important decisions to be considered is the road route between Baker Lake and the Kiggavik site that AREVA will propose. We have heard from community members and our Community Liaison Committee that we should get input from the people of Baker Lake before proposing a road option. Should you agree to a workshop, we would describe the three possible road options, answer any questions you might have and then ask the participants to select the route they prefer.

Information gathered at workshops will be presented in the Kiggavik environmental impact statement and the information we gain from the community participants at these road option workshops will be used to propose a road option for use during the life of the mine. Final selection of the road route will also be influenced by environmental, logistical, and safety considerations. The public can continue to share their views with AREVA through meetings, open houses and at the Baker Lake office and there will be opportunities to comment again on the road options during the public environmental assessment review process.

The Kiggavik project team is available for workshops from 1 PM to 10 PM on November 24, from 9 AM until 10 PM on Nov 25, and from 9 am until 4 PM on November 26. Please call the Baker Lake office at 793-2000 or drop by the Baker Lake AREVA office and let William Noah know if the JA High School would like to participate in one of the workshops. We will follow-up with a phone call this week to confirm a location and time that is convenient for your group. AREVA values your participation and we thank you for considering this workshop.

Yours truly,

Barry McCallum

Manager, Nunavut Affairs

Enclosure

AREVA Resources Canada Inc.
P.O. Box 9704 – 817 - 45th Street West – Saskatoon, SM S7K 3X5 – DANADA.
Tel. 1 (2008) 345-4500 – Fex. 1 (2008) 853-3889 – Web Site. www.enevex.ca

Figure A.1-6 Letter to Jonah Amitnaaq High School





Mr. Craig Simailak Baker Lake Youth Group Baker Lake, Nunavut XOC 0A0

Dear Mr. Simailak:

#### Re: Kiggavik Open House Round 2 and Workshop on Possible Road Options

AREVA Resources Canada Inc. (AREVA) is planning to hold an open house and a series of workshops on the Kiggavik Project ("Project") from November 24 to 26, 2009 in Baker Lake. All residents of Baker Lake are invited to attend the open house. The attached announcement for the open house is being posted around Baker Lake. In addition to the open house, we would like to have increased levels of engagement with Baker Lake residents and we are therefore inviting the Baker Lake Youth Group to participate in a workshop that would last approximately one hour.

One of the important decisions to be considered is the road route between Baker Lake and the Kiggavik site that AREVA will propose. We have heard from community members and our Community Liaison Committee that we should get input from the people of Baker Lake before proposing a road option. Should you agree to a workshop, we would describe the three possible road options, answer any questions you might have and then ask the participants to select the route they prefer.

Information gathered at workshops will be presented in the Kiggavik environmental impact statement and the information we gain from the community participants at these road option workshops will be used to propose a road option for use during the life of the mine. Final selection of the road route will also be influenced by environmental, logistical, and safety considerations. The public can continue to share their views with AREVA through meetings, open houses and at the Baker Lake office and there will be opportunities to comment again on the road options during the public environmental assessment review process.

The Kiggavik project team is available for workshops from 1 PM to 10 PM on November 24, from 9 AM until 10 PM on Nov 25, and from 9 am until 4 PM on November 26. Please call the Baker Lake office at 793-2000 or drop by the Baker Lake AREVA office and let William Noah know if the Baker Lake Youth Group would like to participate in one of the workshops. We will follow-up with a phone call this week to confirm a location and time that is convenient for your group. AREVA values your participation and we thank you for considering this workshop.

Yours truly,

Barry McCallum Manager, Nunavut Affairs

Enclosure

AREVA Resources Canada Inc.
P.O. Box 9294 – 917 - 45th Street West – Saskatron, Silv S7K 9X5 – CANACIA.
Tel. 1 (306) 345-4500 – Fax. 1 (305) 653-3869 – Web Site. www.areva.ca.

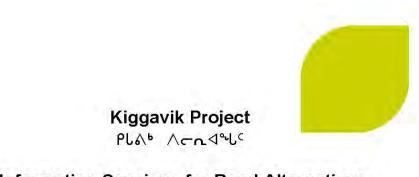
Figure A.1-7 Letter to Baker Lake Youth Group



# ATTACHMENT B PRESENTATION MATERIAL







Information Sessions for Road Alternatives

つちしゃちこくる。

つちしゃちこくる。

つちしゃちこくる。

しちしゃちこう。

しちしゃちこう。

しちしゃちこう。

しちしゃちこう。

しちしゃちこう。

しちしゃちこう。

している。

しているる。

しているるるるる。

しているるるるるるるるるるるるるるるるるるるるるるるるるるるるるるる

November, 2009 △∧∧, 2009



Figure B.1-1 Open House Round 2, Information Sessions for Road Alternatives Presentation

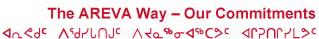




- AREVA's business is producing clean energy
- Electricity without greenhouse gases
- ▶ 4~<4, ∨~~4£>< +>F4Up+Lp











- ► Respect for the environment
- ► Social/societal expectations
- ► Economic development
- ▶ ▷⁰₽∿८४<mark>००</mark>⊃७ ४९०८००७
- ΔΔιζελος
   ΔΔεθίζελος
   ΔΔεθίζελος



Road Alternatives Nov., 2009 - p.4





- Located 80 km west of Baker Lake
- ▶ ▷~८/७~%ጋ% 80 ₽≟┖Гጋ**ჼ** %LԺ**ጋ⊲%**Г<
- Owned by AREVA Resources Inc. and joint venture partners JCU and Daewoo.







- Waiting for decision to move forward with environmental assessment. A review
  - would involve a more detailed look at benefits and impacts of the Project with opportunities for public participation and discussion
  - is expected to span a few years (completion hopeful for 2012)
  - If positive, would be the first level of approval
- ▶ ▷ርናየረና △/Lc-▷ንር▷ረታቴ /°ኃታቴ∖ቧና bረረታፈጭታጭ୮ቴ CLጋቧሚ ፈሮ∩cռታጭኌና ቴ▷ዾኒ**ጭታጭ୮ቴ. ቴ**▷ዾኒጭC▷ታጭ

  - ◆ CLa\_ ⊲ጋኈር⊳≺ፌኈናታኈጋኈ ▷₽▷σቴ ላΓሥσቴ (∧⊲σቴνํዾσቴና₅ኌ⊲ኈጋኈ ΔLե% CLσ 2012)



Road Alternatives Nov, 2009 - p.6









- Continuing with exploration and environmental work and sharing with Baker Lake and other Kivalliq communities and interested persons
- ▶ ᲮᲥ/Კ୯ CLd◀ ▷ና∖╴┌୷ଡ଼%୮७ १७०%००२୯ यL೨ ଏ୯Ი┌╷╓ଡ଼୷୰ ∧┌╷ॣॣୡୗ୷୰ ₺▷୵LᲘଂ୵ଡ଼% ₺Ს┲ጋላጐГ⋗ज़७ यL೨ ଏ୵Იज़७ Р९८८୮ ഛം, ๑๙๗๗๗ ४๗๗๗๗ ﻛᲐᲮᲡᲙᲡᲙ๗Ს





- ► Thanks to residents of the Kivalliq Region for welcoming us into their communities and sharing their knowledge, ideas and concerns with us





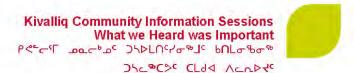


Road Alternatives Nov., 2009 - p.8



×		
×		
×		
×		
×		
×		
×		
×		
×		
×		
×		
×		
×		
×		
×		





- We asked what broad ecosystem and socioeconomic areas were of high value and/or concern and people in the Kivalliq region answered:
- - Freshwater
  - Caribou and other wildlife
  - Human health and safety
  - Freshwater fish and their habitat
  - Jobs, business and training opportunities
  - Traditional lifestyle

- Freshwater
- >>>> OF OF STAND SCIC ◆
- ♦ ΛοΔ<sup>c</sup> boΔCDCDY dad bocc ΦσdaCDcaod<sup>c</sup>
- Cr%σ Δ% Δ
   4L Δ% Δ% δσ
- ♦ Λϲኪላዜና, Λϲኪልኄ▷ጋና Δϲ°σላቈበናሪታዜጋ Λϲኪላዜጋፍ
- <sup>®</sup>••°CP მ**იბბ**ი∆ მ**∂°C**\ს?⊃∧



Access Road Alternatives
between Baker Lake and the Kiggavik Project

4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4
4











### Studies on the Access Route Options Thelon River On-Ice Drilling PLep44L 9pgc P9C5F92pgc





- We have been carrying out studies on the road options (archaeology, wildlife, route assessments) for the past 2 years
- One of the proposed studies on the north all-season road option is a drilling program to examine the rock structure near the proposed Thelon River crossing
- ▶ %DPY % P.P. TELL OF CPATE OF THE PARTY OF THE PROPERTY OF T ᠳᠳ᠙ᢗᡥ᠌ᠵᢗᠰ᠘ᢗᡧ᠘ᠺᡧ᠘ᡧ᠘ᡧ
- ► PCP CCTOTO PLTLADALAN A.P. A.P. A.P. PCT. PTCT. PP.P. PCT.

Road Alternatives Nov. 2009 - p.13



PLIPTAIL 9PAC V9C5FQ20199C

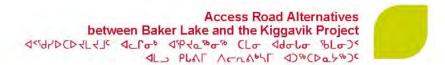


AREVA

- ► This would help understand 
  ► CLa △b<<<->C▷ab%Lc what bridge requirements would be necessary if this option was selected
- ▶ On-ice drilling would be part ▶ २४७४९ △४८%-% CL⊃JU of this program to learn about rock structure
- If permits are issued, work could take place this winter
- Do you have any concerns about this proposed program?
- የታውላጋΓο Δρ**ω**νς-Ρελω<C habadostolla CLa 2540CDa70CC
- 3604460 JC DELLA &COG 4008 CF9
- ► V4~►UC#UC><C CL9~~ 4r2ncb@rLtd. CLd4 CLOLo ⊳P⊳Jo-d%OF VCV 47076
- ▶ CLdኌ∿し Δ/Lቦታ%∧ና VCVA14F4De Q4FLADAF4D

Road Alternatives Nov. 2009 - p.14

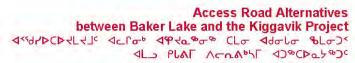






- ▶ We want to propose the best option for the community, environment, and Project
- ► NYL & SYC CLd & ~~ L A'sdabboroKro, dencarde. Acrodes
- Other aspects to be considered in the route selection include safety, disturbance to wildlife, economics, and archaeology
- LddJab "D' alld" n'ro" DDD had or o o o tho. %%U\%oC\bopc







- ► No mine development construction will happen without the proper approvals
- If mine development is approved, the mine would be ▶ ▷৮ናርሒላዔሑ֍ ◁Րዖር▷<ና. serviced by a winter road for the first few years
- A decision would need to be made to continue servicing the mine with the winter road or construct one of the allseason roads
- ▶ ▷ታናርሲላታ⁰ ∧ 5acc164666 **ずしてやしてしているのでしていることをしている。** 4racdyled&ue.
- DPDG 4494D@CDYL4Lp 476 5C&4547C VL4C7&Uc>Lc
- ► ∆rL~P7CP5~d%55%D° CLdd 45474@40~0644₽ >5000 4000 4000 5000 500 PPD 000 4DC® 4DCDCC5 %DC6 4469LP

Road Alternatives Nov. 2009 - p.16



# **Access Road Alternatives** <<'d∩ Contact All-Season Option The North All-Season Option $^{\circ}$ $^{\circ}$



AREVA

Road Alternatives Nov. 2009 - p.17





AREVA

- Would connect to community トロアイレートキンキョンペーター of Baker Lake
- Would cross the Thelon River
  - With a bridge or
  - With an ice-bridge and cable ferry
- Anticipate about
  - 11 supply trips per day with bridge
  - 22 supply trips per day with ferry/ice bridge

- %L&D<%J¢
- ▶ ∨₽•♥<->₼\Г¬Ф ₽₺₼₭
  ₽₽•٩٤

  - ♦ ১٩٩٩c 
    ♦ 79090 900
- ► ∆YLTYLYTG CLda%L
  - ♦९८० ८०८५% ०<०८०%
    </p> arseupan arseupance D688<c
  - ◆ 22 4º5 % D △ 4 ~ 55 % D € >>°CD 4JPJC♥

Road Alternatives Nov., 2009 - p.18













- ▶ Would connect to community ▶ ೧೯୯L a ト もつっと of Baker Lake
- ► Would be constructed annually on about 50% frozen lakes and 50% tundra
- May require more storage capacity in Baker Lake than all-season options
- ► Would be operational about four months every year
- Anticipate about 43 supply trips per day

- PL&DCP76
- > 4ab>Ca485b\*D\* 45JCL4 محملا ۲۵۳۵، محمه ጎፈ/L**ኖ**ሀታ®ጋ®
- ► ALbo AGCDYAGGE %L♂D<% CLDJL <DL\G\*
- ► 40°C>4a55°00 AL6° C°P0-6 ALZOB ASJCLS
- ▶ Δ/LΓ♭▷/L√® ΔLb® CLσ 43 >C@4J\$AC@4@ @DACL7@DC



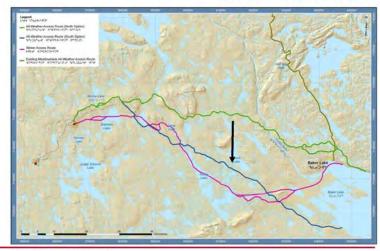
Road Alternatives Nov., 2009 - p.20



# Access Road Alternatives

# The South All-Season Option











- ▶ Would not connect to community of Baker Lake
- Anticipate about 11 supply trips per day
- Would be constructed once and maintained annually
- ריבי %כולם ארס⊃ס בריבי %בס⊃סישוי
- >C@
  C@
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  C
  <p
- ▶ \a\>>a\>>\a\>>\a\>

A

Road Alternatives Nov, 2009 - p.22







- ▶ All road options would be constructed to:
- ▶ CL%୮% CLd4 4'd%/▷%C▷/Lab%ጋና \abo/Lab%ጋና CL\ ዾa▷<
  4Cơ የዋና፣ Гላσኪኑ▷ጋσ
  - protect the permafrost

  - Not obstruct caribou movement
  - $\Diamond \Delta^{\prime}$   $\Delta \Delta^{\prime}$   $\Delta^{\prime}$   $\Delta^{\prime}$   $\Delta^{\prime}$   $\Delta^{\prime}$   $\Delta^{\prime}$   $\Delta^{\prime}$   $\Delta^{\prime}$   $\Delta^{\prime}$   $\Delta^{\prime}$   $\Delta^{\prime}$







- > CL16 CL90 049.45.414. 40°C0.442.20.3
  - Minimize dust as required
  - Operate safely
  - Minimize caribou disturbance during migration and post-calving
  - Allow some controlled access to the public
- Minimize dust as required
- ♦∨⊳४८° L⊲°°°₽°°°
- ◆ αΨィ/Lσもつ心ってしまる
   Δ'Δ\ռ√ՖՐσ%Γ⁰
   Δ'Υς«Γ
   Δ'Υς«Γ
   ΔΥς»Γ
- ᠈△△△ ୯୩୯५᠈⋂₡₷৮∧❖ ₡₮₡₺₽ ₡Ი८₵२Ი₡₷५८₽



Road Alternatives Nov, 2009 - p.24







- ► We value your opinion
- ► PVLCS Q@<>C PSFLPS



- Please write your access road preference in the workbook provided with any other comments you may have
- Take time to ask questions and share your ideas and concerns with an AREVA representative
- ♦ a > a \( \Delta \) \\ \Pri \\ \\ \Pri \\\ \Pri \\ \Pri \\ \Pri \\\ \Pri \\ \Pri \\\ \Pri \\ \Pri

iuse Nov. 2009 . n 25



Road Alternatives Nov. 2009 - p.25



# Thank you for listening and sharing with us in this important project for Baker Lake

الاعمال ۱۲۶۹عد۱۹۵۹ فدامده ۱۲۶۹عد۱۹۵۹ فاعدالا ۱۲۶۹عد۱۹۵۹ فاعدالا

# Your comments, Questions and concerns really matter

ALLIBY, ANGLABYSE ALLSIBYS ALAPLO



Road Alternatives Nov., 2009 - p.26



# ATTACHMENT C SIGN-IN SHEETS



11++++++



Date: Location:	
Print Name	
101. COSEPH ScottiE	
102. TERRY NUKIK	
103. Bella Scothe	
104. Catherine Kalurag	
105. Evic OMINGALAK	
106. Jan Cheging ai	
107. Se Po Hannah Killulark	
108. Mary (all 11/0 c/c	
John Killulark	<del></del>
110. 12 La 266/6 DA 264 36 Ra	—— mond Tukaksuk Owingayak
111. GARY PERKISON	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
12. April Africa	
13. Nancy Pagyouga lill	<del></del>
114. Politicanon & Klizabeth Oninguanas	<del></del> -
115. 15ph pme	
16. Thomas Stans	
117. Neal Maytarithygar	
18. Frith Wanter, trouse	
19. Cally Tarrag	
120. Sandre Amarcia	
/21 \ Leah Pupik	
Simon Tookoome	
123. Caul Tulustus	
124. David + V+ # 1751	
125. Elijah Amarank ST	_
ayan i majoul si	

Figure C.1-1 Baker Lake Sign-in Sheet





Date:	November 25, 2009
ocation:	Baker bake
	Print Name
1.	Elizabeth Payment DSG
2.	Eugene Niviaksiak
7.5	John Tagnoing
4.	James Koonk Kalluk.
5.	CLP 662 Thomas Qaqimat
6.	Johnny Naukaterk
7.	În 6 39 Irene Kaluraq
8	Jelan. WULCIK
9	├─ C / ── P Martha Nukik
10	Marthy Jorga
11.	ACRES PHILIPPA Phillippa Iksiraq
12.	-OUISA KALURAU
13	Bornepas Cosuag
14.	Jennifer EVVIUK
15	RITADOSYAK
16	Imothy EVVIUK
17.	Winnie Owingayak
18	
	SAMSON, HINCUYOR
20	HEART KATORIO
21	Samuel Itailia
22	Ldn ALP Margaret Amarook
23	SIMONA SCOTTIE
24.	RUBBY KINGAR
25	1 / Irene Tiktaalaaq

Figure C.1-2 Baker Lake Sign-in Sheet





1 bl
Date: November 25 200 91
Location:
Print Name
70 1. Ryan Qiyerk
702. Dean Taxilix
103. Uriashti ktackaga
704. Malak HT Avaala
705. Grandon Qyuk
706. Johnny Galylik Sag
707. KEUNUNKT
708. Jocely Mitnagg
709. Sign 19 10040000
710. Dawn Huga
711. Terrilyn Angatajuak
712. Gordon hittelight
713. Chris Atytogrago
714. OMAP KAV II
715. 9 A NANTAR NAGYOUGALIK-SAMANTHA
716. HOPE too Koome
717. Stianne Kayuryok
718. NAOMIE TTKILIK
719. Jamiah Ugay witting
720. Nauzi Wayyittud
721.Dallen Narkyasik
722. Christing Mikkungwar
7 23. 56 LY DUTUT
724. DXCANOKLAGA
7 25. Christian TApatai

Figure C.1-3 Baker Lake Sign-in Sheet





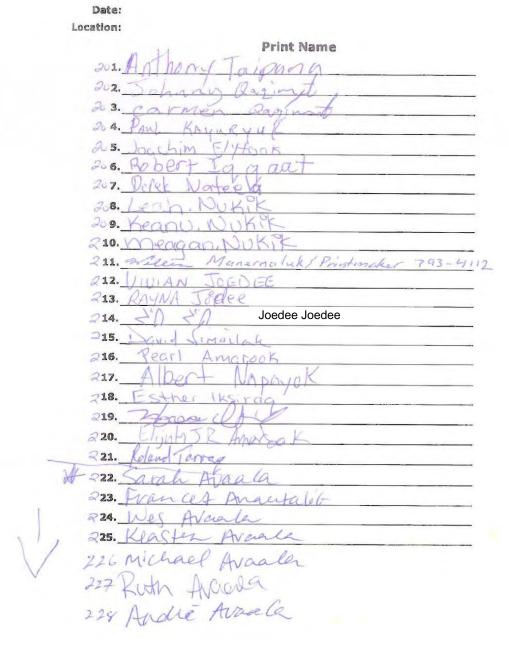


Figure C.1-4 Baker Lake Sign-in Sheet





Da	te:
Locatio	on:
	Print Name
	1. Hypton Jhon QIVUK
	2. Christing devalubtus
	3. Tanice Simplick
	4.
	5
	6
	7
	8
	9.
1	0
1	1
1	2
1	3
1	4
	5
1	6
1	7
13	8
19	9
20	0
	1
2:	2
23	3
24	ł
25	

Figure C.1-5 Baker Lake Sign-in Sheet





Date:	All of the second
Location:	
	Drine Name
60 2. Edmond Kest	Print Name
100 51 1 00	
1-101	a f
The state of the s	glik
604. Donovan	logyougalik
605. JAMIR Sector	
606. Crystal Tarr	
607. MICHAEL, F	Yac HSON
608. Bitty His	flor
	yalc ,
610. Nancy An	Cotajuar
611. Archer Fall	ulk .
612. Jahrif Ju	eller
613. GEORGE AWAR	016/
614. SARAH K	POTUK
615. JEAN SIA	17/12/1
616. Mary 40	AYUITTUB
617. Angel Akso	nerce
618. Angela Tool	Koone
619. Justine Tapa	algi
620	
6 21.	
6 22.	
6 23	4
624.	
/	

Figure C.1-6 Baker Lake Sign-in Sheet



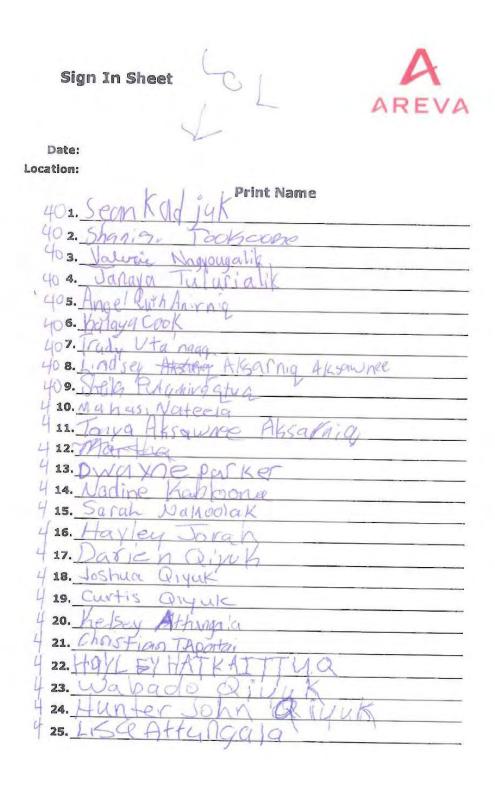


Figure C.1-7 Baker Lake Sign-in Sheet







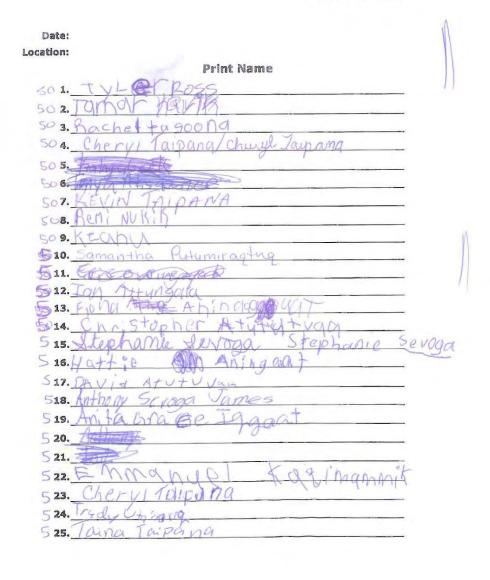


Figure C.1-8 Baker Lake Sign-in Sheet



## Sign In Sheet



Date:	₫ .
Location:	
	Print Name
301.	PAUL HTUTUVAA
30 2.	Junios Amendo IC
3 - 3.	Joselyu Amitnaga
3 -4.	FIGZE / PONTEGOOK
3 0 5.	Shaina Ossuag
306	Ray Mond Iggaat
307.	VV
308.5	The state of the s
309.	
3 10.	1 million gran
3 11	VICTOR SINGAK
3 12.	The state of the s
3 13.	
3 14 3 15. /	Sanson Joral .
3 16. /	Deborid Stanger
-	hall heaven
3 18. 2	
3 19.	
	OCROTHY LAGANT
<b>3 21.</b>	
3 22.	
3 23.	
z 24.	
3 25.	
7 23	

Figure C.1-9 Baker Lake Sign-in Sheet



## ATTACHMENT D COMMENT SHEETS



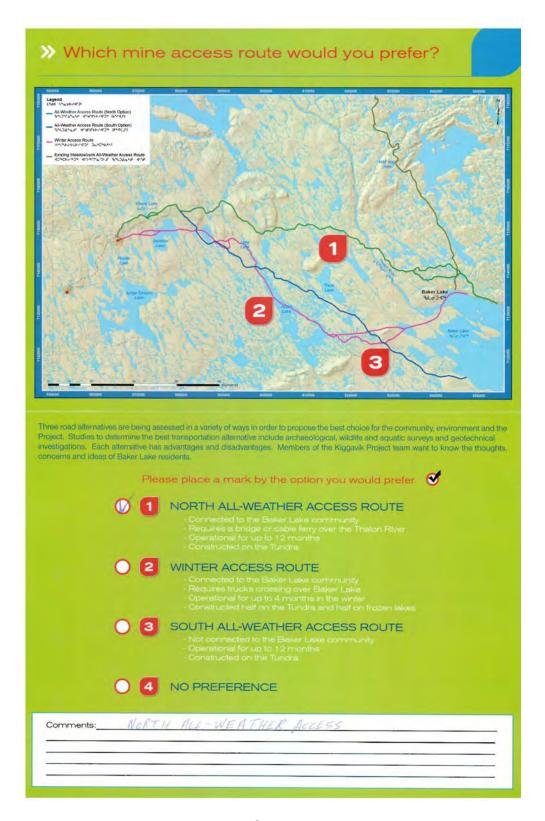


Figure D.1-1 Baker Lake Workshop Comments, Translated



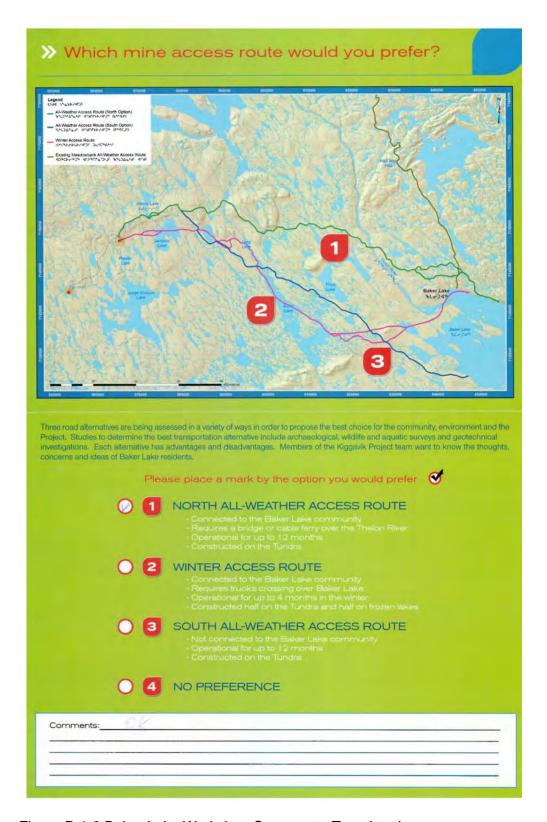


Figure D.1-2 Baker Lake Workshop Comments, Translated



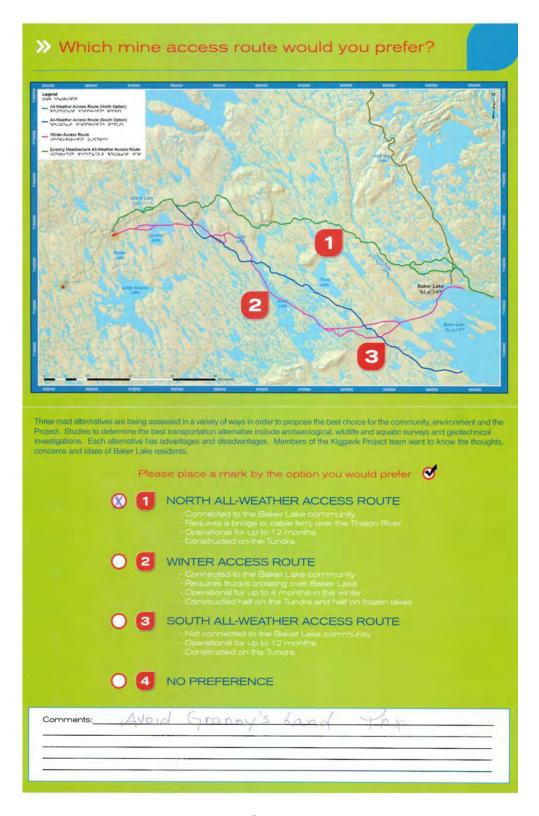


Figure D.1-3 Baker Lake Workshop Comments, Translated



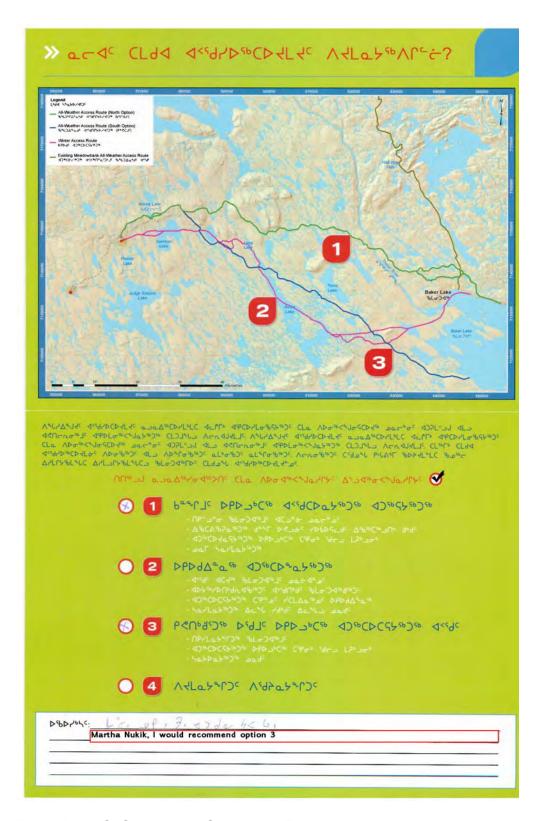


Figure D.2-1 CLC Workshop Comments, Translated



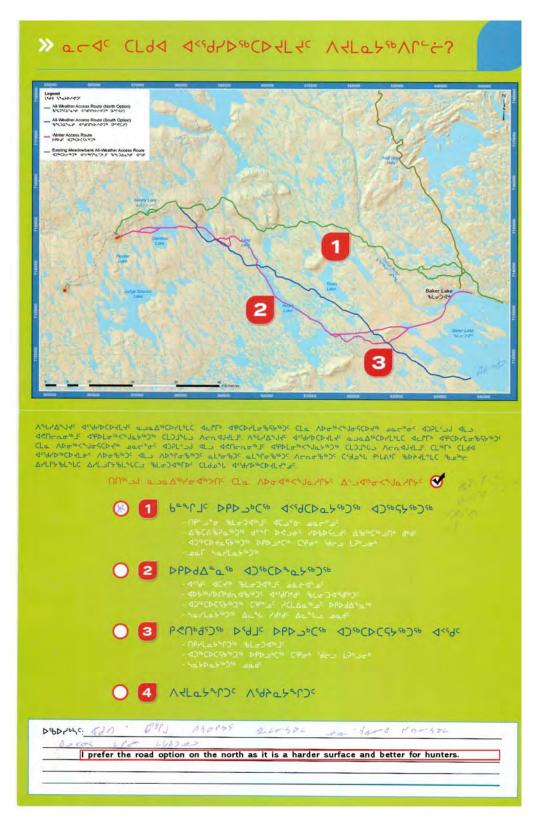


Figure D.2-2 CLC Workshop Comments, Translated



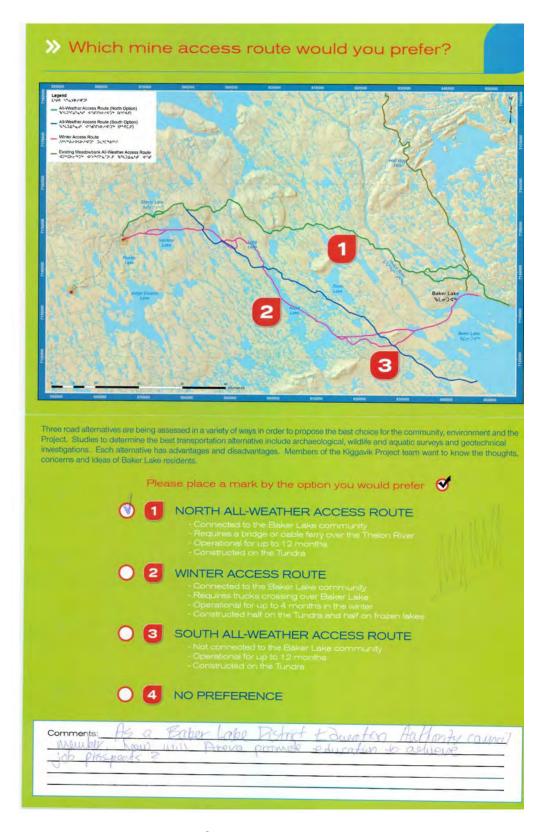


Figure D.3-1 DEA Workshop Comments, Translated



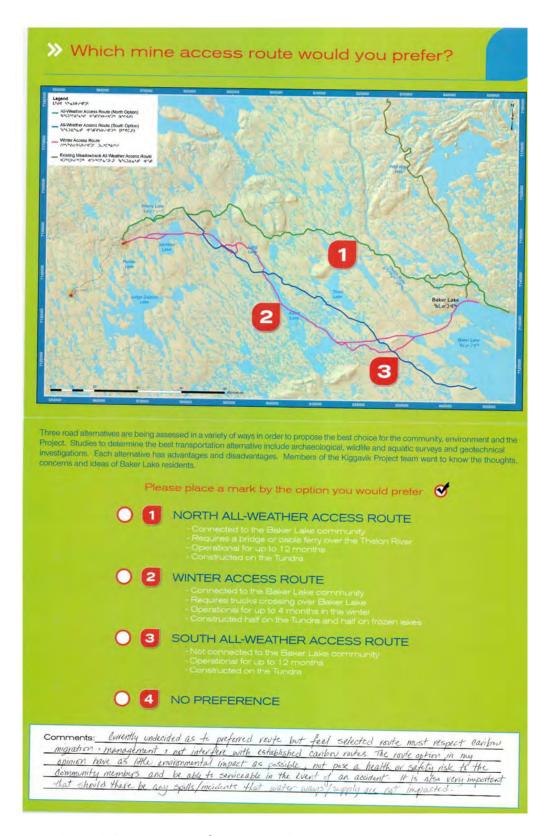


Figure D.3-2 DEA Workshop Comments, Translated



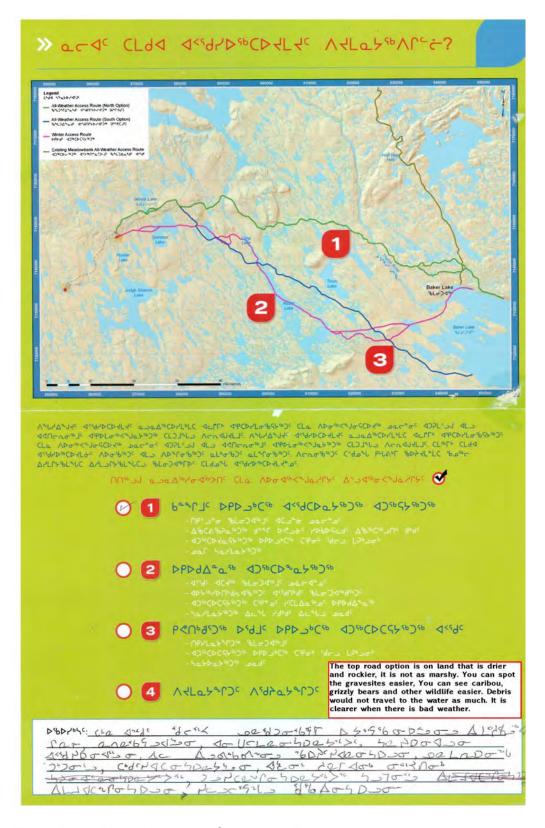


Figure D.4-1 Elders Workshop Comments, Translated



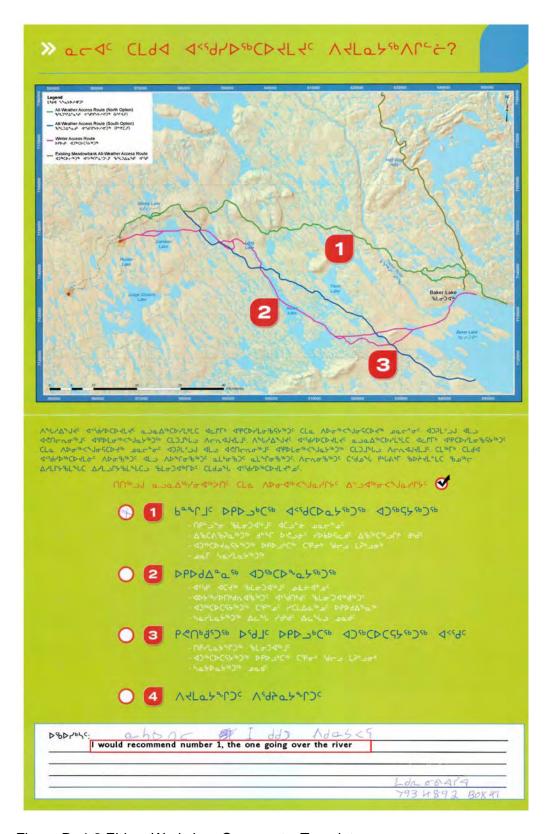


Figure D. 4-2 Elders Workshop Comments, Translate



## ATTACHMENT E PHOTOGRAPHS







Photo E.1-1 Baker Lake Open House







Photo E.1-2 Baker Lake Open House





Photo E.1-3 Baker Lake Open House