
Baseline Country Food Survey – Howse Property Project
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Date of survey:

Household Number:

Community:

Interviewer:

Introduction

- Presentation of the objectives of the study
 - 1..1. Some concerns were expressed by your Council and the community regarding the potential impact of the project on the health of the population consuming country food in the vicinity of the project.
 - 1..2. To properly assess this impact, HML decided to conduct a *Health Risk Assessment*.
 - 1..3. The purpose of the *Health Risk Assessment* is:
 - To identify the types of local foods collected and harvested near the Howse Property
 - Identify the traditional foods eaten by the local population in the past year and determine how often country food is consumed
 - Determine the pre-existing metal loadings in selected species consumed by residents in the area
 - Assess the potential effect of mining activities on human health
 - 1..4. In order to be able to complete this assessment, HML needs to collect detailed data on the country food collected and eaten by the population in the vicinity of the project.
 - 1..5. This survey targets the households collecting and consuming country food in the vicinity of the project.
 - 1..6. The reference period for the survey is the last 12 months (summer 2014 (June – September 2014) to winter (October 2014 –May 2015)).
 - 1..7. Information collected during this survey will remain confidential.

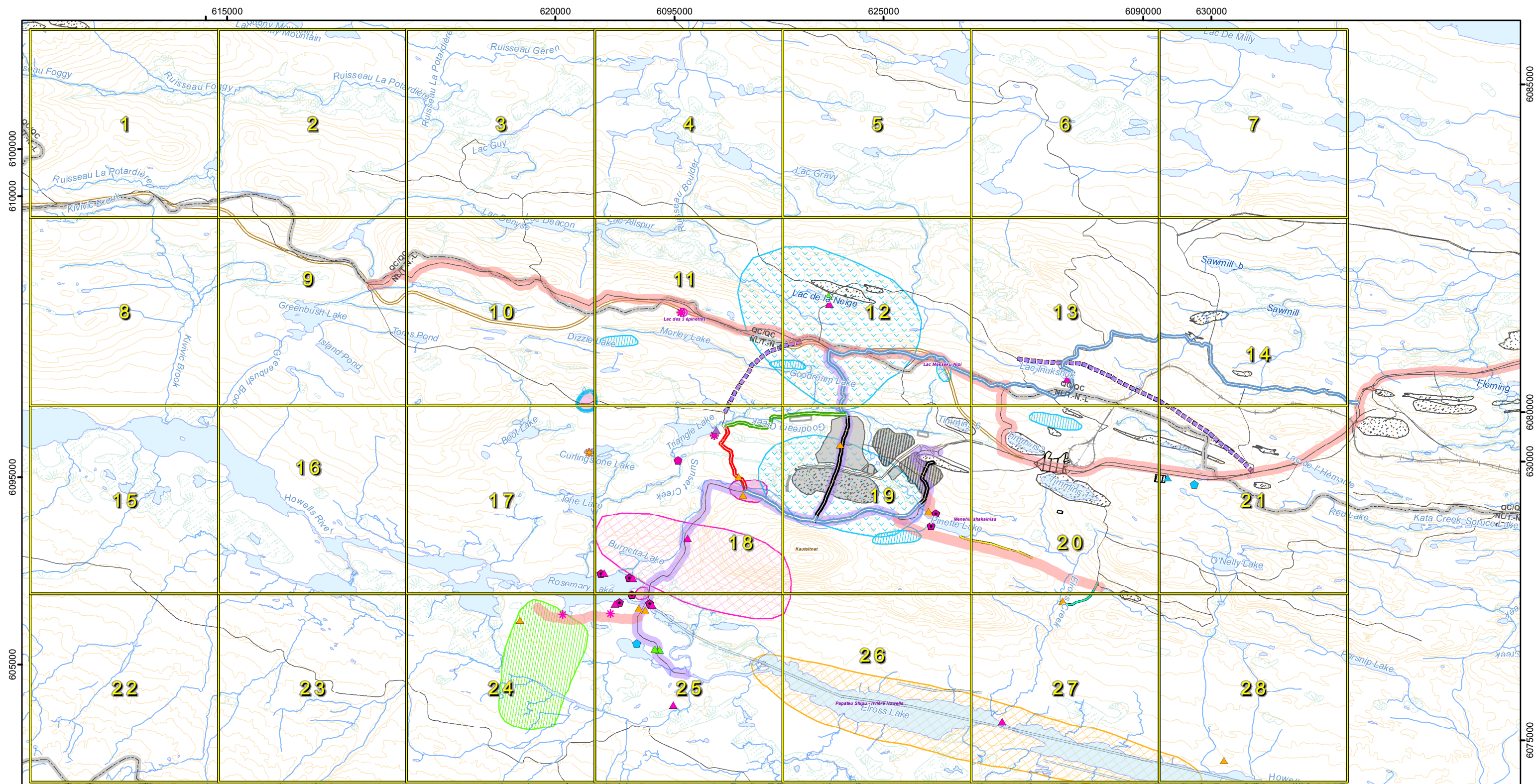
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1. Do you or members of your household eat local meats and country foods, such as fish, large mammals, small mammals, waterfowl or berries that are hunted or harvested within the area on the attached map?

Yes: _____

No: _____

If yes pursue with the country food survey.



LEGEND

- | | | | | | |
|---|--|---|--|---|---|
| <p>Camps/ Tents</p> <ul style="list-style-type: none"> ▲ Naskapi ▲ Innu ▲ Unknow Owner ▲ Naskapi - Old ▲ Innu - Old <p>Innu Harvesting Areas</p> <ul style="list-style-type: none"> □ Hunting Area □ Camp Area <p>Naskapi Harvesting Area</p> <ul style="list-style-type: none"> □ Goose Hunting | <p>Innu Harvesting Locations</p> <ul style="list-style-type: none"> ◆ Beaver Hunting ◆ Goose Hunting ◆ Fishing ◆ Trout Fishing ◆ Canoe <p>Naskapi Harvesting Spot</p> <ul style="list-style-type: none"> ◆ Trout Fishing | <p>Access Roads</p> <ul style="list-style-type: none"> — To remove — Access Road - Itinerary — Winter Skidoo Trail — Partridge Harvesting Road - Itinerary — Proposed ByPass Road — Old Access Road — ATV Road - Skidoo Trail | <p>Old Innu Harvesting Site</p> <ul style="list-style-type: none"> ◆ Caribou Killing Site <p>Old Innu Harvesting Areas</p> <ul style="list-style-type: none"> □ Old Partridge Area □ Old Goose Hunting □ Old Berry Picking Area □ Old Camp Area □ Old Naskapi Harvesting Area □ Old Camp Area | <p>Infrastructure and Mining Components</p> <ul style="list-style-type: none"> — Road to DSO Area 4 — Existing Railroad ■ Deposit ■ Proposed Howse Pit ■ Proposed Topsoil/Overburden Stockpile ■ Proposed Crushing/Screening Facility ■ Proposed Waste Rock Dump ■ Proposed Sedimentation Pond ■ Proposed Mine Haul Road ■ Elross Lake Area Iron Ore Mine Plant Infrastructure Footprint | <p>Basemap</p> <ul style="list-style-type: none"> — Existing Road — Contour Line (50 ft) — Provincial Border — Watercourse — Water Body — Wetland <p>Final Bypass Road</p> <ul style="list-style-type: none"> — Existing — To Build — To Improve |
|---|--|---|--|---|---|

*Hydronyms are oriented along the direction of water flow

FILE, VERSION, DATE, AUTHOR:
GH-0584-00, 2015-06-15, E.D.

UTM 19N NAD 83 SCALE: 1:70 000

SOURCES:
Basemap and Land Use Components
Government of Canada, NTDB, 1:50,000, 1979
Government of NL and government of Quebec,
Mining Components
TATA Steel Minerals Canada Limited/
MET-CHEM Howse Deposit Design
for General Layout, 2013
Groupe Hémisphères, Hydrology and update, 2013

ENVIRONMENTAL IMPACT ASSESSMENT
HOWSE PROPERTY PROJECT

**Land Use and
Traditional Aboriginal Knowledge**
Howse Minerals Limited

13, rue Saint-Louis,
Bureau 201, Lévis (QC)
Canada, G6V 4E2

1453, rue Beaubien est,
Bureau 301, Montréal (QC)
Canada, H2G 3C6

**Figure
4.2**

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PART 1 – PARTICIPANT DEMOGRAPHICS

<p>1.1 Where do you currently live?</p> <ul style="list-style-type: none"> a. Kawawachikamach b. Lac John c. Matimekush d. Schefferville e. Other: _____ 	<p>1.2 What is your gender?</p> <ul style="list-style-type: none"> a. Male _____ b. Female _____
<p>1.3 What is your age group?</p> <ul style="list-style-type: none"> a. 20-24 _____ b. 25-29 _____ c. 30-34 _____ d. 35-39 _____ e. 40-44 _____ f. 45-49 _____ g. 50-54 _____ h. 55-59 _____ i. 60-64 _____ j. 65-69 _____ k. 70 or older _____ 	<p>1.4 How many people live in your household (including yourself)?</p> <ul style="list-style-type: none"> a. 1 _____ b. 2 _____ c. 3 _____ d. 4 _____ e. 5 _____ f. 5 or more _____
<p>1.5 What are the ages of the people in your household? (Please indicate the number of people in your household in each age category below.)</p> <ul style="list-style-type: none"> a. Infant 0 to 6 months _____ b. Toddler 6 months to 4 years _____ c. Child 5 to 11 years _____ d. Teen 12 to 19 years _____ e. Adult 20+ years _____ 	

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PART 2 – COUNTRY FOOD SURVEY

This section of the survey is about traditional/country food that is harvested within the local environment and within the study area. It can be in any form (dried, smoked, fresh, frozen, etc.).

2.1 Do you or members of your household hunt and/or trap wildlife for food within the area on the map?

- a. Yes: _____
- b. No: _____

2.2 Which of the following species do you hunt and/or trap for food within the area on the map?

Waterfowl and Game Birds	Innu name	Check if applies	Large /small mammals	Innu name	Check if applies
Goldeneye	Mishikushk ^u		Caribou	Atik ^u	
Canada goose	Nishk		Beaver	Amishk ^u	
White-winged scoter	Umumuk _u		Snowshoe hare	Uapush	
Common loon	Muak ^u		Americaion Porcupine	Kak ^u	
American black duck	Innishop				
Long-tailed duck	N/A				
Common merganser	Ushik ^u				
Spruce grouse	innineu				
Willow ptarmigan	Uapineu				
Rock ptarmigan	kashkanatshish				

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2.3 Based on the map, for each of the species that you indicated you hunt and/or trap for food in the previous question – please indicate the zone(s) in which you hunt and/or trap these species. For example, if you hunt Common loon in the areas identified on the map as Zones 1, 16 and 24, please select 1, 16 and 24 for Common loon.

Waterfowl and Game Birds	Innu name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Goldeneye	Mishikushk ^u																												
Canada goose	Nishk																												
White-winged scoter	Umumuk ^u																												
Common loon	Muak ^u																												
American black duck	Inniship																												
Long-tailed duck	N/A																												
Common merganser	Ushik ^u																												
Spruce grouse	innineu																												
Willow ptarmigan	Uapineu																												
Rock ptarmigan	kashkanatshish																												

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Large /small mammals	Innu name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Caribou	Atik ^u																												
Beaver	Amishk ^u																												
Snowshoe hare	Uapush																												
Porcupine	Kak ^u																												

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Large and Small Mammals

2.4 In the past year, have you or members of your household eaten any large or small mammals caught within the area on the map?

- c. Yes _____
- d. No _____

2.5 If yes, which of the following types of locally caught large or small mammals have you or members of your household eaten in the past year?

Large /small mammals	Innu name	Check if applies
Caribou	Atik ^u	
Beaver	Amishk ^u	
Snowshoe hare	Uapush	
Porcupine	Kak ^u	

2.6 When did you have your last meal of locally caught large or small mammals?

- a. This week _____
- b. Last week _____
- c. Last month _____
- d. Before last month _____

2.7 In the WINTER (October 2014 – May 2015) approximately how many meals per month typically included locally caught large or small mammals?

Meals per month _____

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2.8 In the SUMMER (June 2014 – September 2014) approximately how many meals per month typically included locally caught large or small mammals?

Meals per month _____

2.9 When eating large or small mammal meat, do you or members of your household eat the organs (such as heart, liver or kidney)?

Yes _____

No _____

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Waterfowl and Game Birds

2.10 In the past year, have you or members of your household eaten any locally caught birds or waterfowl (such as partridge, grouse, ptarmigan, duck, etc.) within the area on the map?

- a. Yes _____
 b. No _____

2.11 If yes, which of the following types of locally caught birds or waterfowl have you or members of your household eaten in the past year?

Waterfowl and Game Birds	Innu name	Check if applies
Goldeneye	Mishikushk ^u	
Canada goose	Nishk	
White-winged scoter	Umumuk _u	
Common loon	Muak ^u	
American black duck	Inniship	
Long-tailed duck	N/A	
Common merganser	Ushik ^u	
Spruce grouse	innineu	
Willow ptarmigan	Uapineu	
Rock ptarmigan	kashkanatshish	

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- 2.12 When did you have your last meal of locally caught birds or waterfowl (such as partridge, grouse, ptarmigan, duck, etc.)?
- This week _____
 - Last week _____
 - Last Month _____
 - Before last month _____
- 2.13 In the WINTER (October 2014 – May 2015) approximately how many meals per month typically included locally caught birds or waterfowl (such as partridge, grouse, ptarmigan, duck, etc.)?
- Meals per month _____
- 2.14 In the SUMMER (June 2014 – September 2014) approximately how many meals per month typically included locally caught birds or waterfowl (such as partridge, grouse, ptarmigan, duck, etc.)?
- Meals per month _____
- 2.15 When eating birds or waterfowl meat, do you or members of your household eat the organs (such as heart, liver or kidney)?
- Yes _____
 - No _____

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Fish

2.16 In the past year, have you or members of your household fished for food within the area on the map?

- a. Yes _____
- b. No _____

2.17 If yes, what fish species did you catch for food?

Fish	Innu name	Check if applies	In which lakes (refer to map)?
Brook trout	Matamek ^u		
Lake trout	Kukamess		
Northern pike	Tshinushe ^u		
Lake whitefish	Atikamek ^u		
Sucker (white, longnose)	Makatshe ^u		
Landlocked char	?? (Uanan = Landlocked Salmon)		
Burbot	Minai		

2.18 When did you have your last meal of locally caught fish?

- a. This week _____
- b. Last week _____
- c. Last Month _____
- d. Before last month _____

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- 2.19 In the WINTER (October 2014 – May 2015) approximately how many meals per month typically included fish caught from the area?
- a. Meals per month _____
- 2.20 In the SUMMER (June 2014 – September 2014) approximately how many meals per month typically included fish caught from the area??
- a. Meals per month _____
- 2.21 When eating fish, do you or members of your household eat the organs (such as heart, liver or kidney)?
- a. Yes _____
- b. No _____

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Berries

2.22 In the past year, have you or members of your household picked berries for food within the area on the map?

- a. Yes _____
 b. No _____

2.23 If yes, what local berries do you or your family typically eat?

Type	Innu name	Check if applies
Blueberries	innimin	
Cloudberries	shikuteu	
Raspberries	N/A	
Alpine cranberries	N/A	
lingonberry	uishatshimin	
Bog bilberry	nissimin	
Partridgeberry	N/A	

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2.24 Based on the map below, please indicate the zone(s) in which you pick berries.

Type	Innu name	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28
Blueberries	innimin																												
Cloudberries	shikuteu																												
Raspberries	N/A																												
Alpine cranberries	N/A																												
lingonberry	uishatshimin																												
Bog bilberry	nissimin																												
Partridgeberry	N/A																												

2.25 In the WINTER (October 2014 – May 2015) how many times per month would you or a member of your household typically consume a serving of local berries? Assume a serving is 1 cup of berries.

a. Times per month _____

2.26 In the SUMMER (June 2014 – September 2014) how many times per month would you or a member of your household typically consume a serving of local berries? Assume a serving is 1 cup of berries.

a. Times per month _____

2.27 When eating local berries, do you or members of your household wash the berries before eating them (berries that are eaten fresh off the plant when picked are considered not washed)?

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- a. Always
- b. Often
- c. Never

Thank you for your participation.

Reference:

Intrinsic Environmental Sciences Inc. (2013). Country Food Survey. Prepared for Alderon Iron Ore Corp for the Environmental Assessment for the Kami Iron Ore Project.