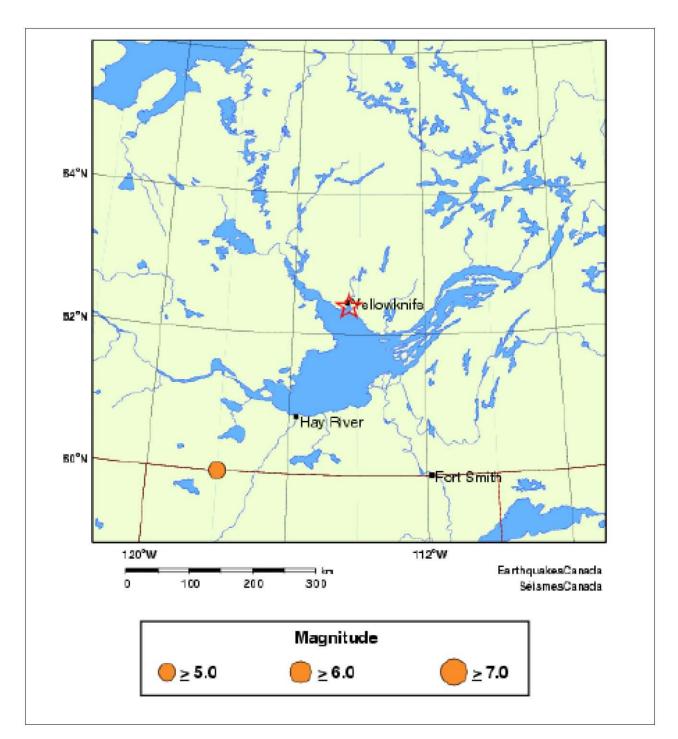


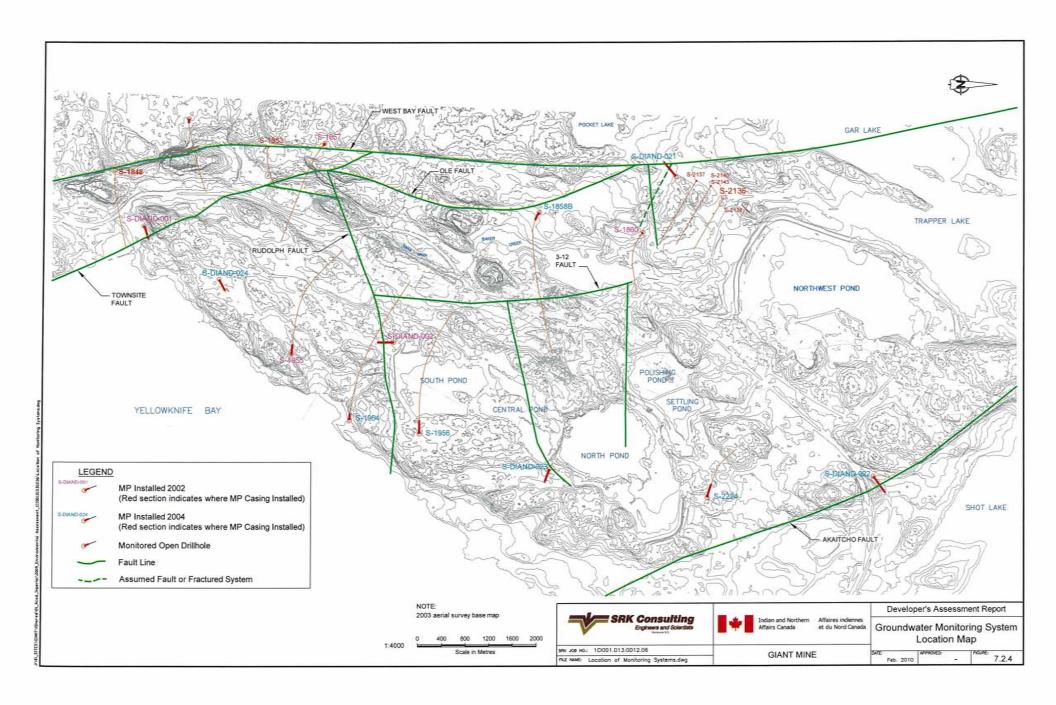
Source: http://earthquakescanada.nrcan.gc.ca

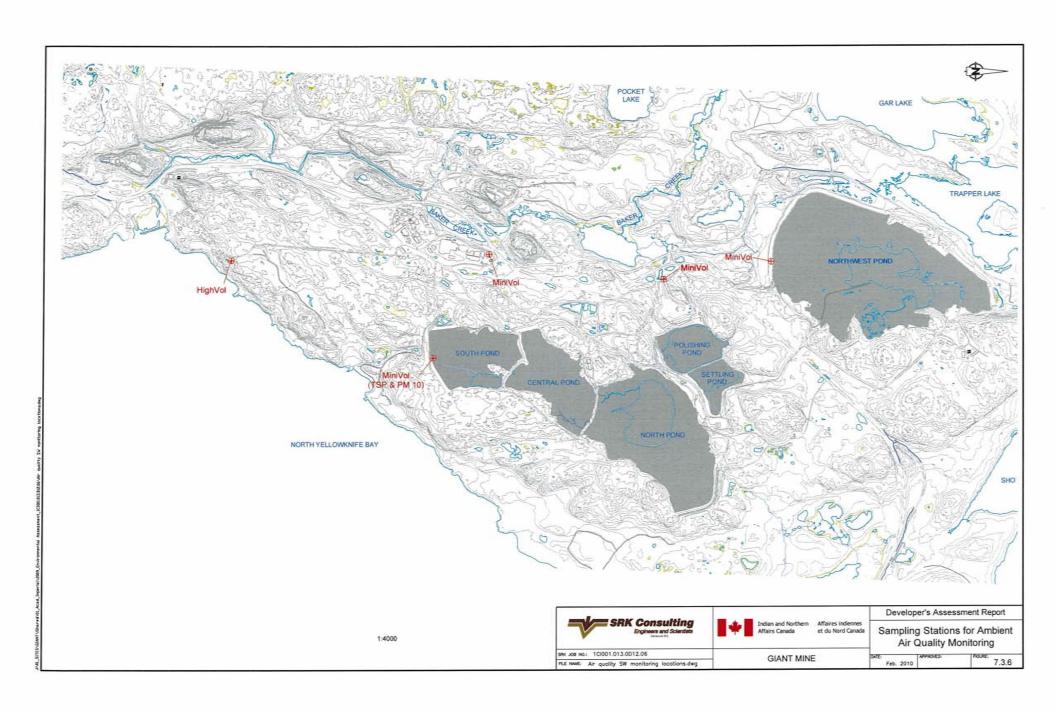


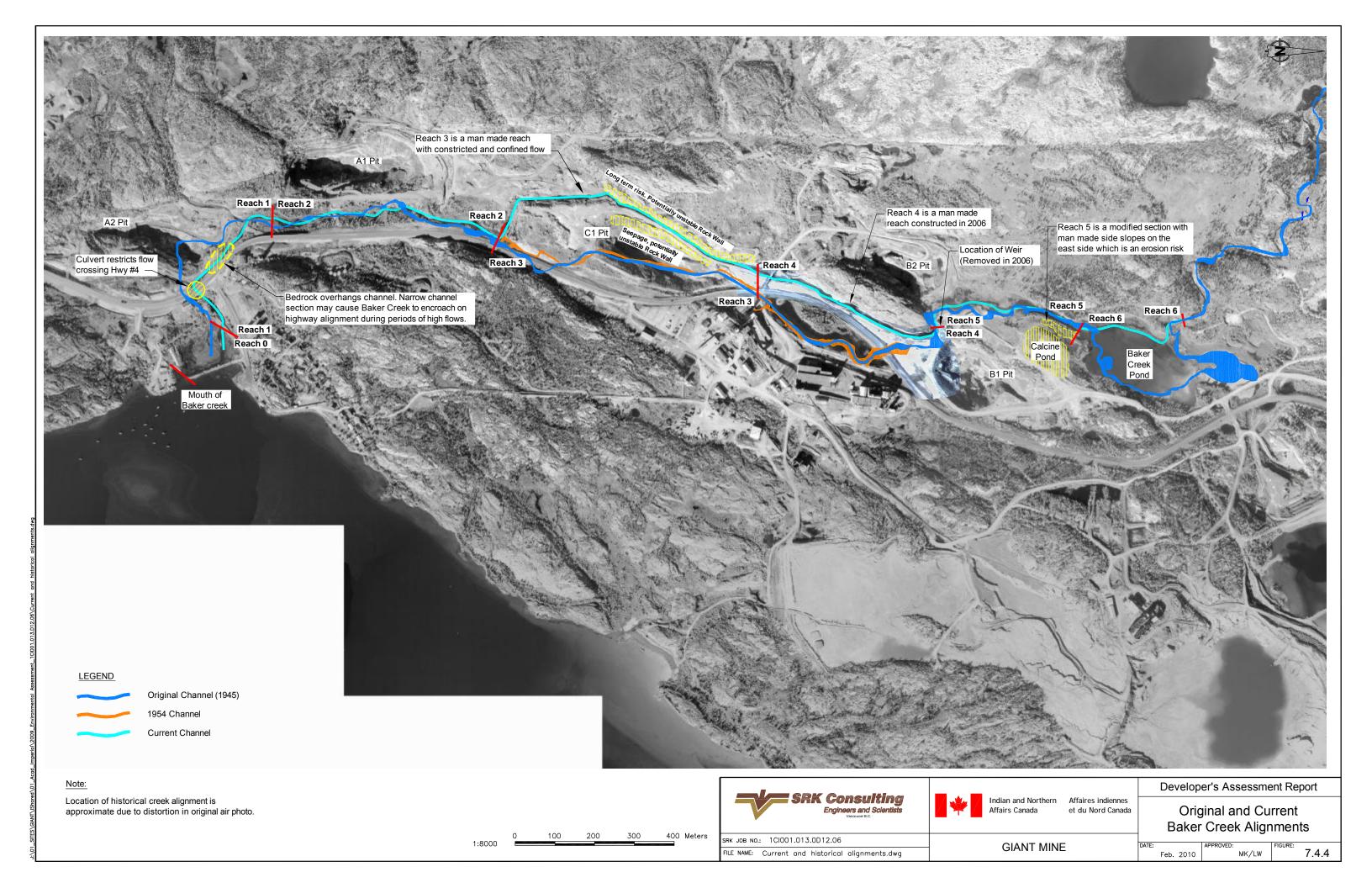


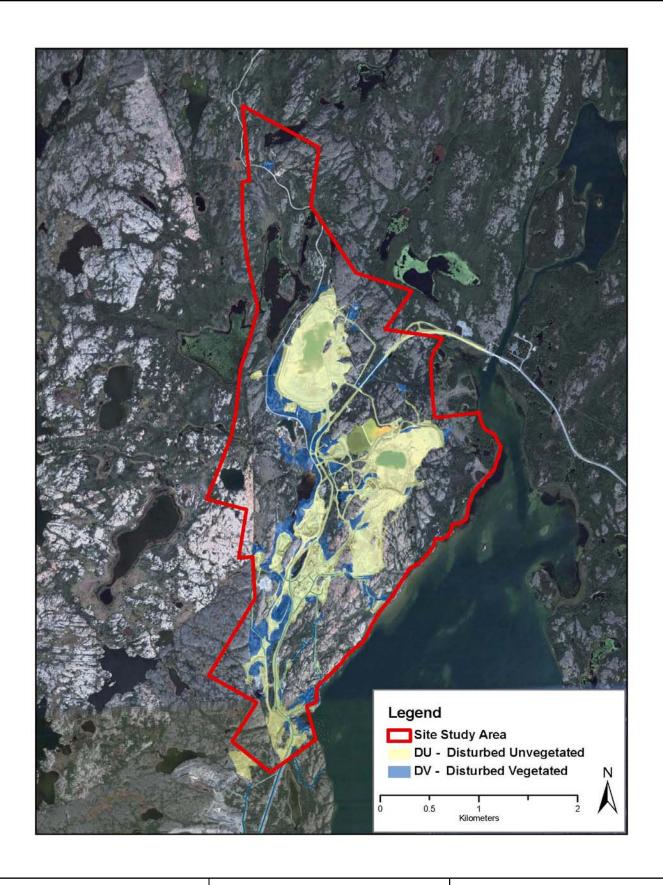
Source: http://earthquakescanada.nrcan.gc.ca



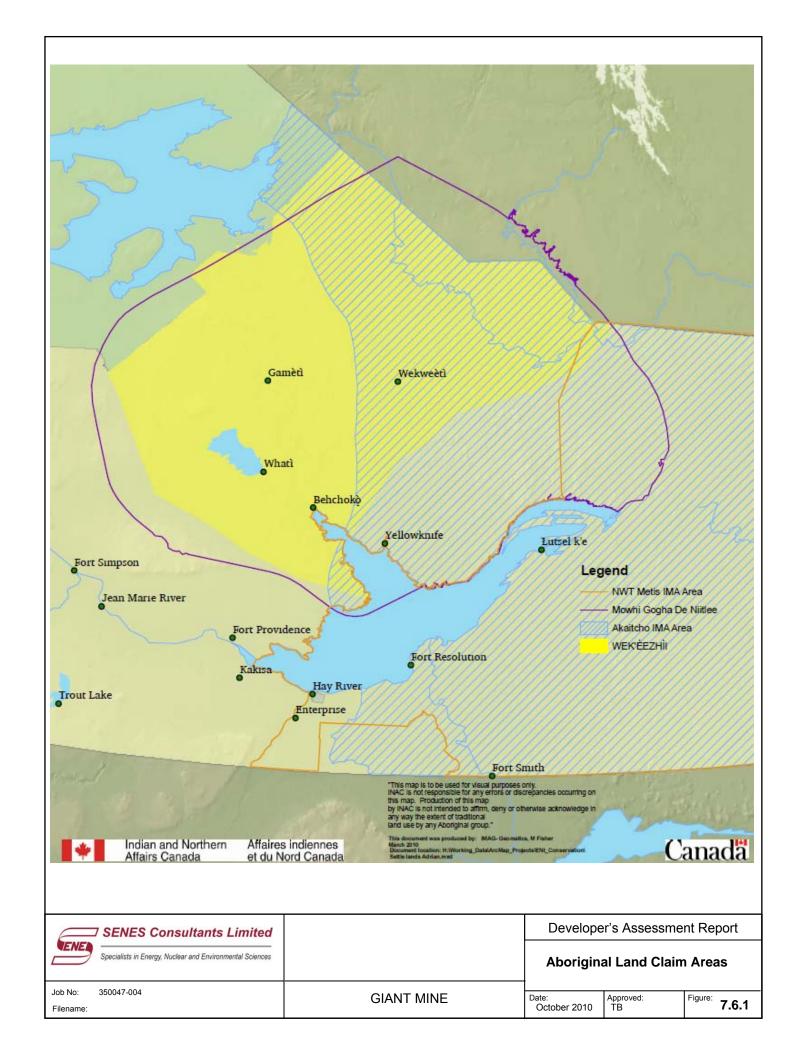




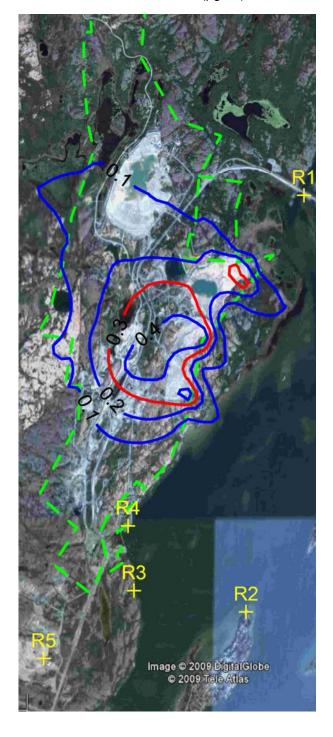




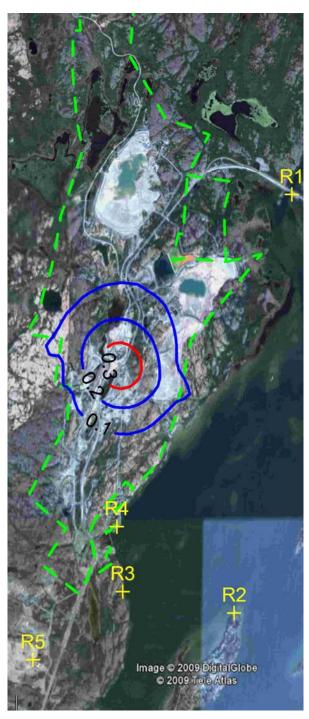




Maximum 24-hour Arsenic Concentration with Wind Erosion (μg/m³)



Maximum 24-hour Arsenic Concentration without Wind Erosion (μg/m³)



Boundary of the Site Study Area

Concentration isopleths

Areas exceeding the applicable criterion





Indian and Northern Affaires indiennes Affairs Canada et du Nord Canada Developer's Assessment Report

Predicted Arsenic Concentrations in Air (24-hr)

Job No: 350047-004

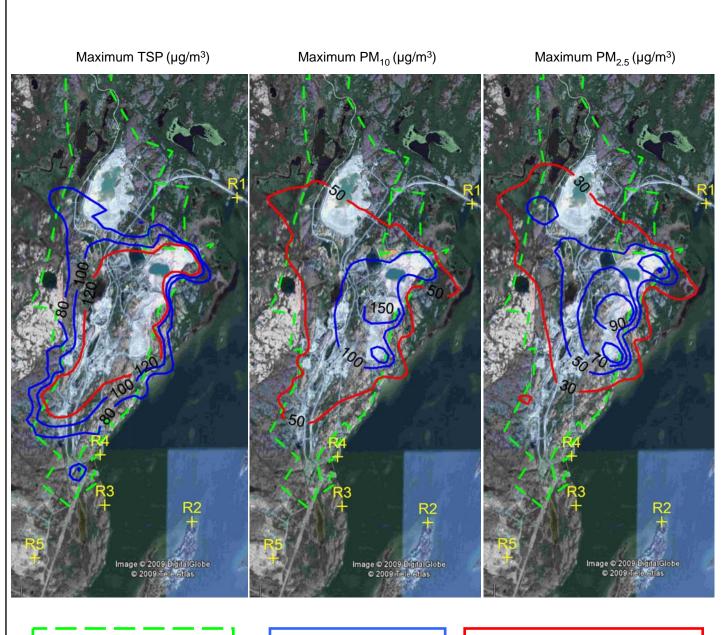
Filename:

GIANT MINE

Date: October 2010

Approved: TB

eigure: **8.6.1**



Boundary of the Site Study Area

Concentration isopleths

Areas exceeding the applicable criterion





Affaires indiennes et du Nord Canada

Developer's Assessment Report

Predicted Particulate Matter Concentrations in Air (24-hr)

Job No: 350047-004

Filename:

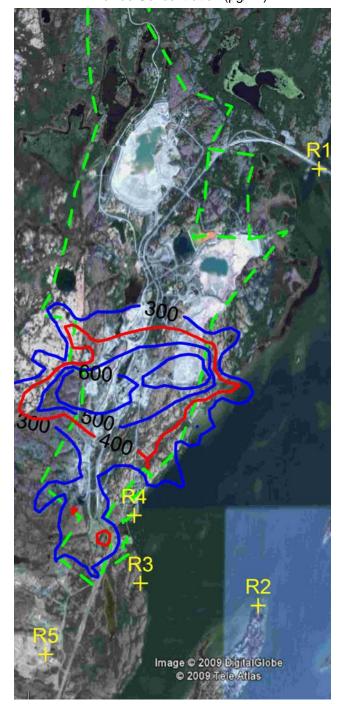
GIANT MINE

Date: October 2010

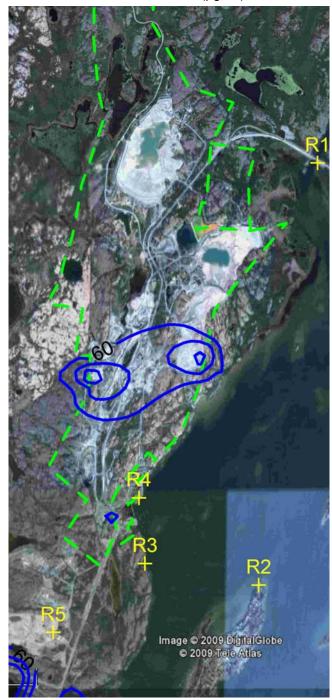
Approved: TB

gure: **8.6.2**

Maximum 1-hour Nitrogen Dioxide Concentration (μg/m³)



Maximum 24-hour Nitrogen Dioxide Concentration (µg/m³)



Boundary of the Site Study Area

Concentration isopleths

Areas exceeding the applicable criterion





Indian and Northern Affairs Canada Affaires indiennes et du Nord Canada Developer's Assessment Report

Predicted Nitrogen Dioxide Concentrations in Air

Job No: 350047-004

Filename:

GIANT MINE

Date: October 2010

Approved: TB

1gure: **8.6.3**

Maximum 1-hour Sulphur Dioxide Maximum 24-hour Sulphur Dioxide Concentration (µg/m³) Concentration (µg/m³) Boundary of the Site Study Area Concentration isopleths Areas exceeding the applicable criterion

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et du Nord Canada

Developer's Assessment Report

Predicted Sulphur Dioxide Concentrations in Air

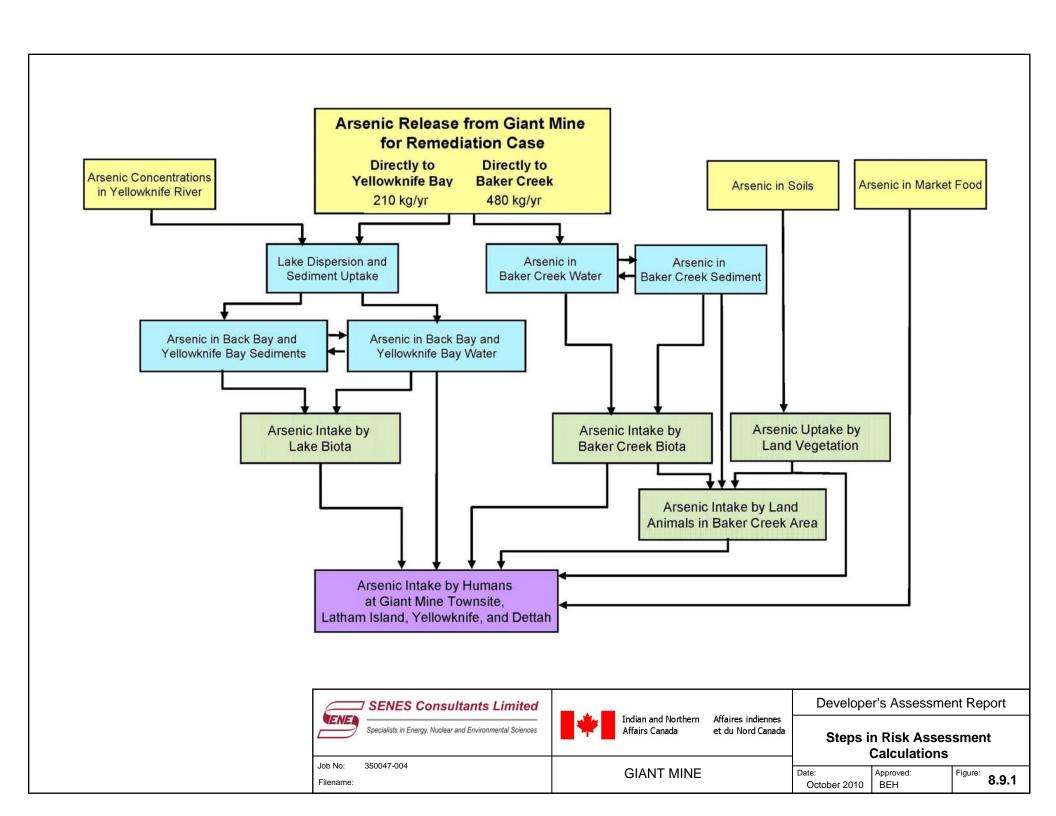
350047-004 Job No:

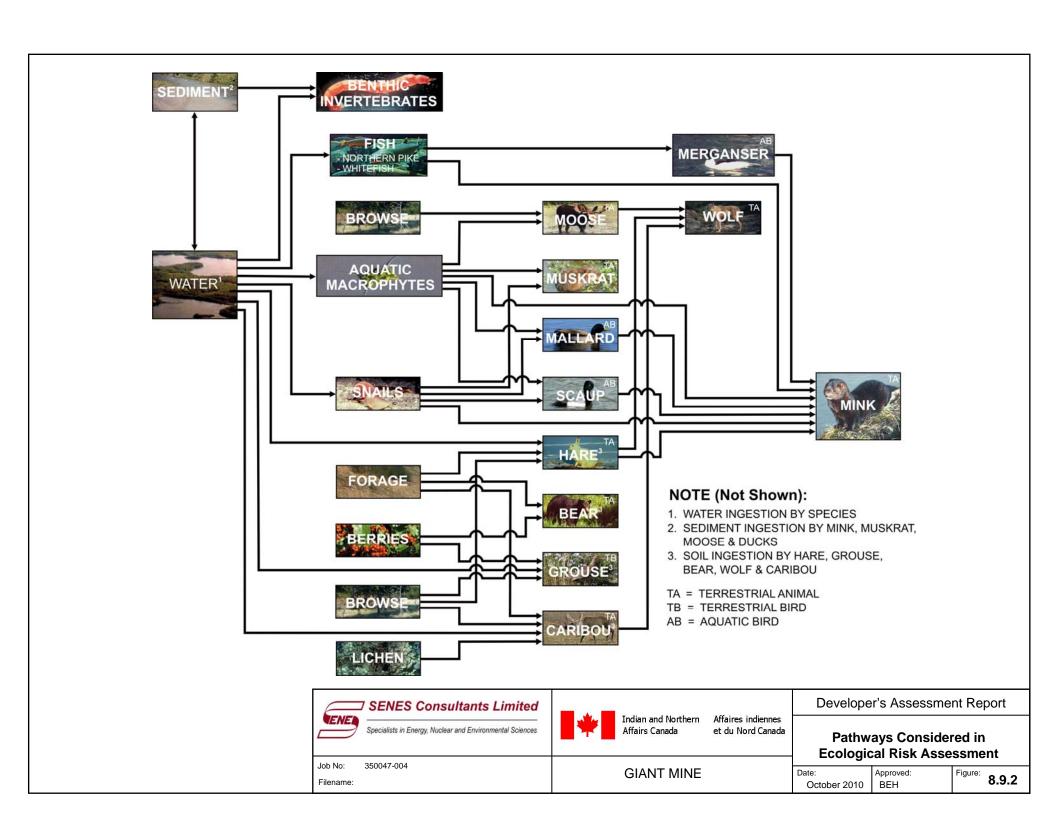
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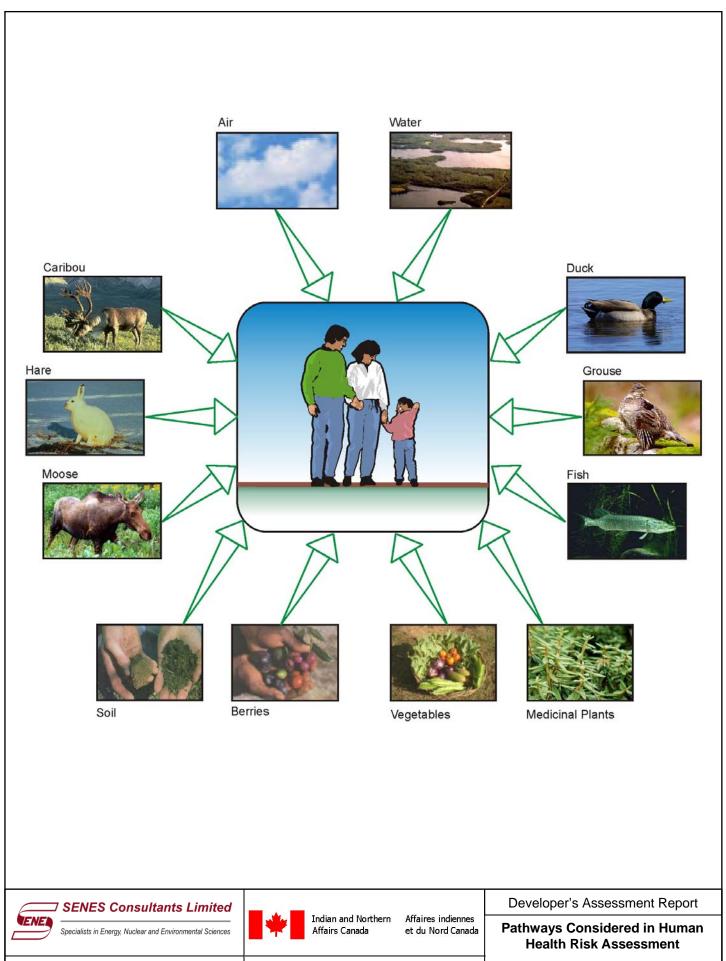
GIANT MINE

Date: October 2010 Approved: TB

8.6.4

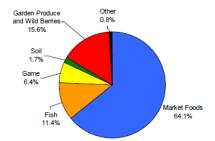






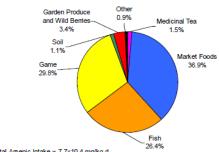


Receptor 1a - Giant Mine Townsite (Adult)



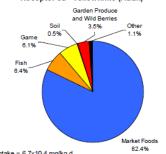
Total Arsenic Intake = 8.8x10-4 mg/kg-d Other includes: water and inhalation

Receptor 2a - Latham Island (Adult)

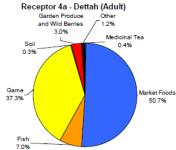


Total Arsenic Intake = 7.7x10-4 mg/kg-d Other includes: water and inhalation

Receptor 3a - Yellowknife (Adult)

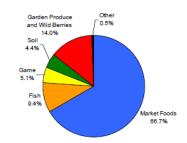


Total Arsenic Intake = 6.7x10-4 mg/kg-d Other includes: water and inhalation



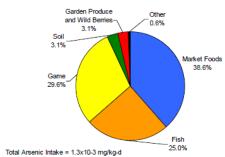
Total Arsenic Intake = 5.6x10-4 mg/kg-d Other includes: water and inhalation

Receptor 1c - Giant Mine Townsite (Child)



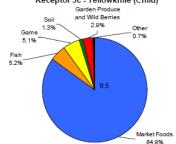
Total Arsenic Intake = 1.6x10-3 Other includes: water and inhalation

Receptor 2c - Latham Island (Child)



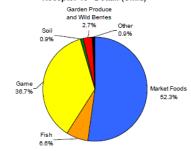
Other includes: water and inhalation

Receptor 3c - Yellowknife (Child)



Total Arsenic Intake = 1.3x10-3 mg/kg-d Other includes: water and inhalation

Receptor 4c - Dettah (Child)



Total Arsenic Intake = 1.0x10-3 mg/kg-d Other includes: water and inhalation

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Indian and Northern Affairs Canada

Affaires indiennes et du Nord Canada Developer's Assessment Report

Breakdown of Total Arsenic Intake by Pathways

Job No: 350047-004

Filename:

GIANT MINE

October 2010 BEH

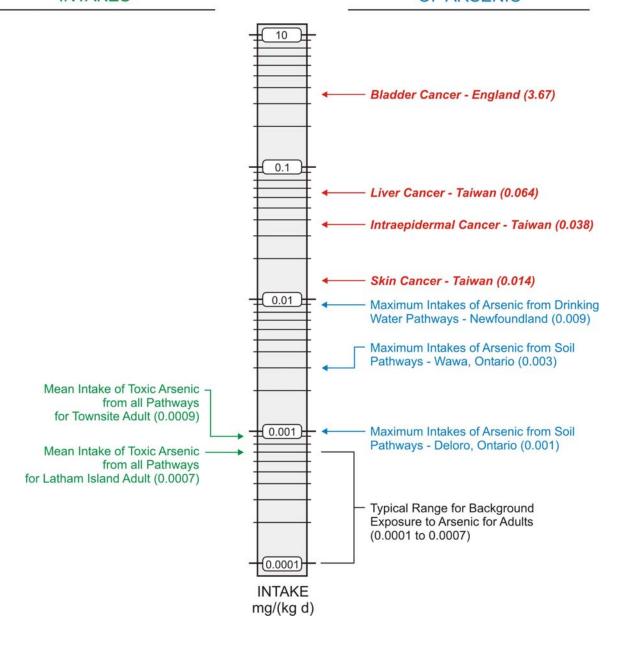
Date:

Approved:

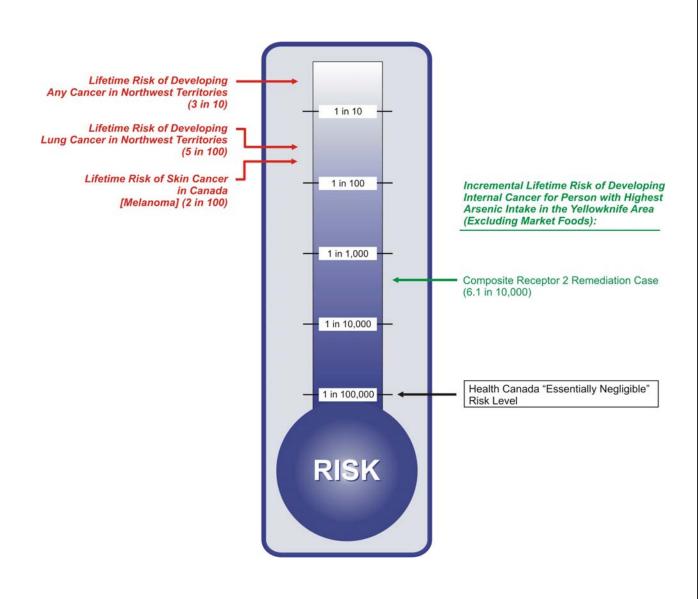
8.9.4

INTAKES RELATING TO CANCER INCIDENCE INTAKES IN COMMUNITIES WITH HIGH LEVELS OF ARSENIC

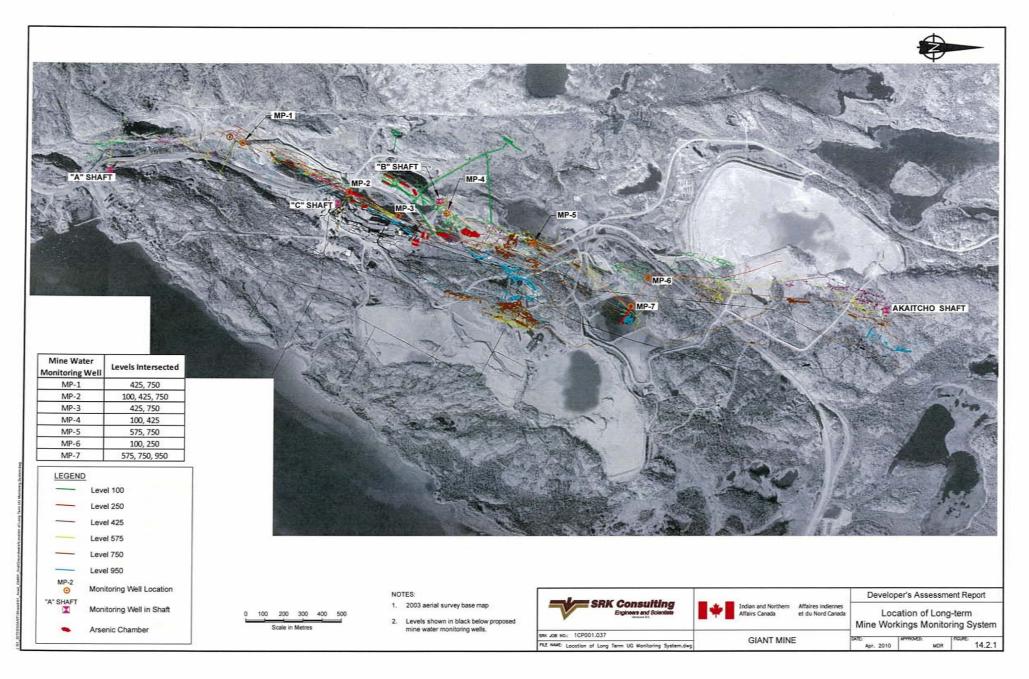
YELLOWKNIFE BAY AREA INTAKES



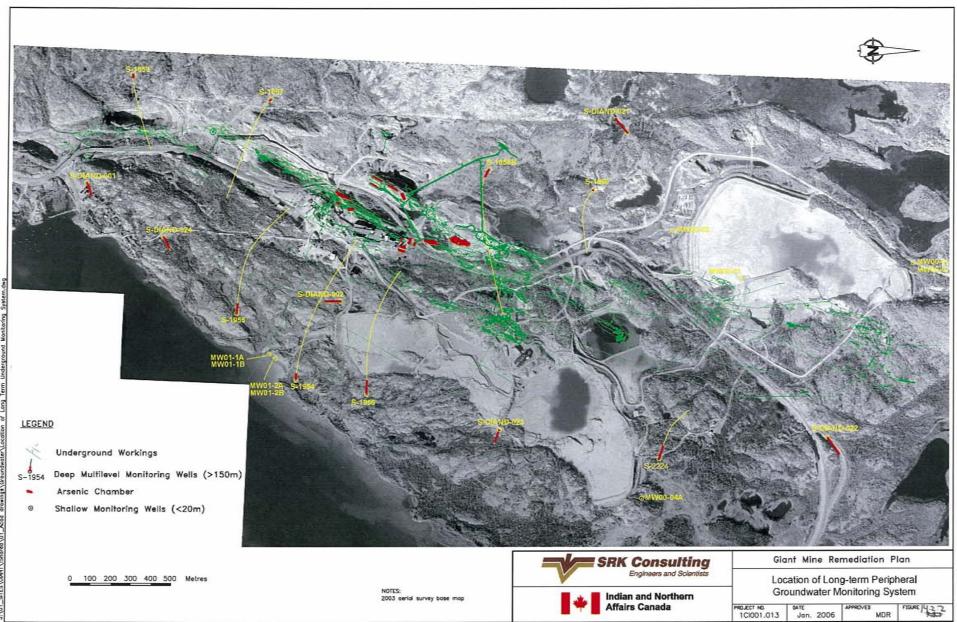
| | SENES Consultants Limited | | Developer's Assessment Report |
|--|---|--|--|
| | Specialists in Energy, Nuclear and Environmental Sciences | Indian and Northern Affaires indiennes et du Nord Canada | Comparison of Arsenic Intakes |
| | Job No: 350047-004 Filename: | GIANT MINE | Date: October 2010 Approved: BEH Figure: 8.9.5 |



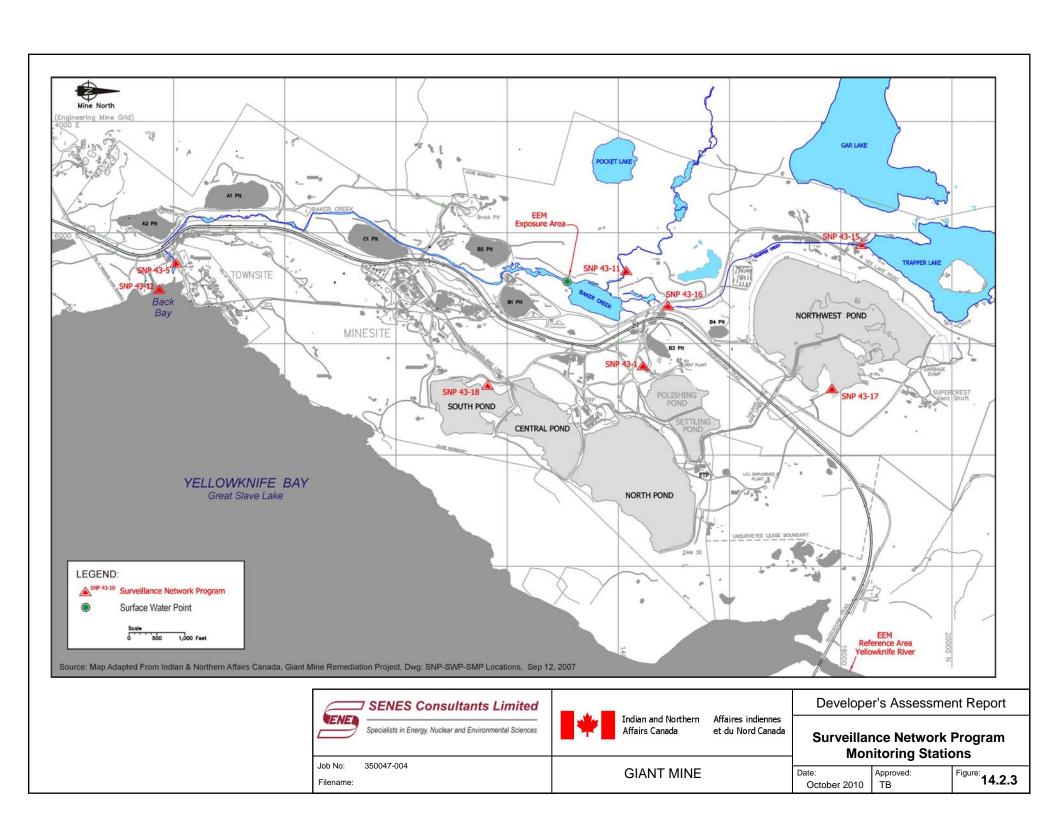


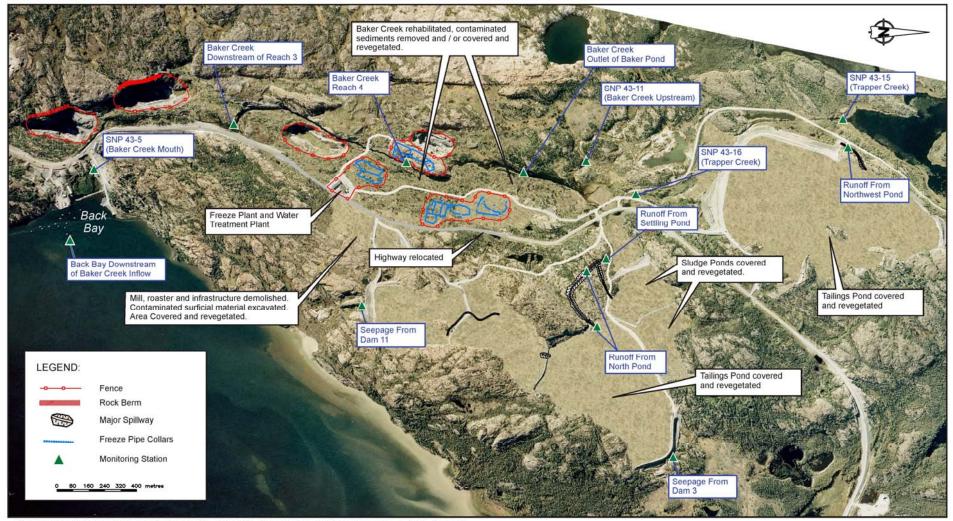


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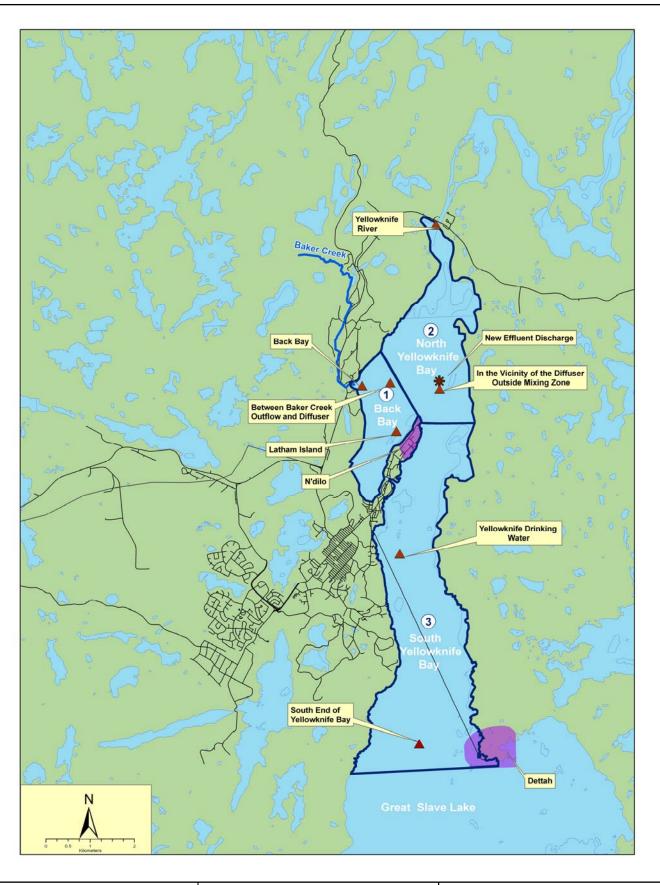
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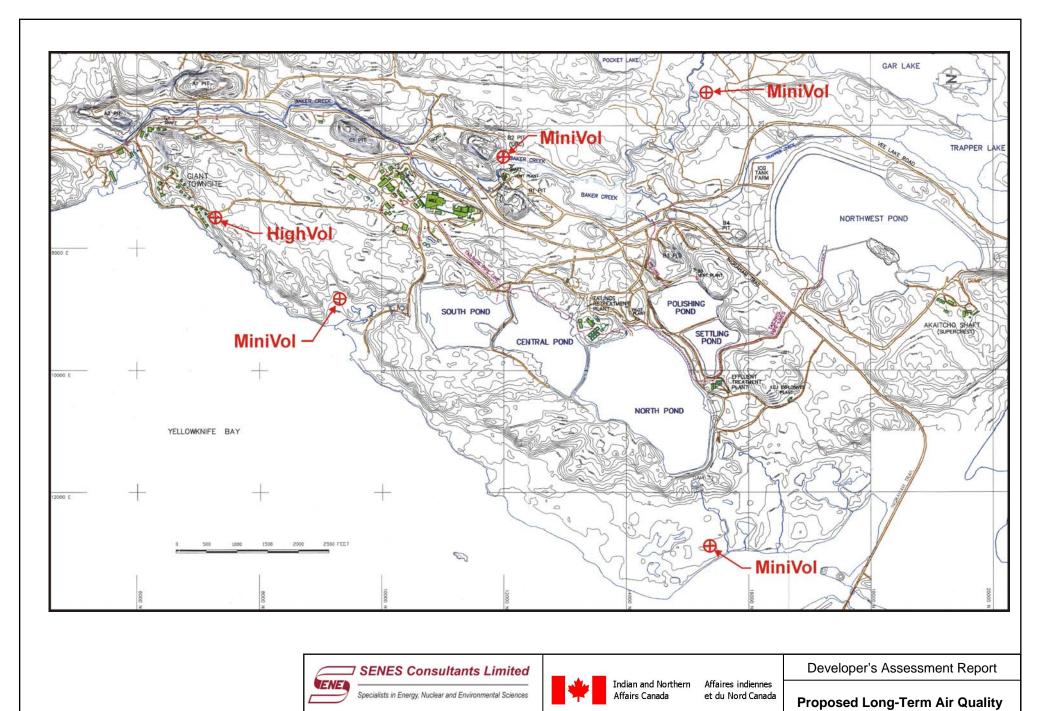


SOURCE: Map Adapted From Indian & Northern Affairs Canada, Giant Mine Remediation Project, Figure 6.1.1, Jan 2006









Job No: 350047-004
Filename: GIANT MINE Monitoring Stations

Date: October 2010 Approved: TB Figure: 14.2.6