

DETAILS

Non-technical project proposal description

English: The City of Iqaluit is applying to amend water licence 3AM-IQA1626 on an emergency basis to allow supplementation of Lake Geraldine Reservoir from the Niaqunguk (Apex River) and Unnamed Lake in 2019. The scope of activities including the construction of an access trail from the Road to Nowhere to Unnamed Lake including the installation of culverts; construction of a semi-permanent pipeline from Niaqunguk (Apex) River to Lake Geraldine; mobilization, operation, maintenance and demobilization of equipment and infrastructure (except semi-permanent pipeline), to Niaqunguk (Apex) River and Unnamed Lake pumping sites; installation and operation of temporary pumps and a pipeline approximately 1.2 kilometres (km) to transfer water from Unnamed Lake to the Niaqunguk (Apex) River; temporary withdrawal (August 2019-October 2019) of up to 700,000 cubic metres (m³) of water from Unnamed Lake; withdrawal of up to 700,000 m³ water from the Niaqunguk (Apex) River; increase in the total amount of water allowed to be withdrawn from Lake Geraldine, from 1,100,000 m³/year to 2,000,000 m³/year; conduct research on depth, waterflow and water quality in Unnamed lake; and monitor project activities in accordance with an Operational Monitoring Plan, to maintain compliance with the City of Iqaluit's Type "A" Water Licence 3AM-IQA1626 (Amendment No. 3) and with advice provided by DFO in a Letter of Advice (19-HCAA-00969).

French: Not Available

Inuktitut: Not Available

Inuinnaqtun: Not Available

Personnel

Personnel on site: 0

Days on site: 0

Total Person days: 0

Operations Phase: from 2019-08-15 to 2019-09-21

Activities

Location	Activity Type	Land Status	Site history	Site archaeological or paleontological value	Proximity to the nearest communities and any protected areas
Pipeline from Unnamed Lake to Niaqungauk (Apex) River	Other	Commissioners	Unknown	Unknown	Iqaluit
Pipeline from Niaqungauk (Apex) River to Lake Geraldine Reservoir	Other	Commissioners	Unknown	Unknown	Iqaluit

Community Involvement & Regional Benefits

Community	Name	Organization	Date Contacted
Information is not available			

Authorizations

Indicate the areas in which the project is located:

South Baffin

Authorizations

Regulatory Authority	Authorization Description	Current Status	Date Issued / Applied	Expiry Date
Nunavut Water Board	Amendment 003 to Type A Water Licence 3AM-IQA1626 - Emergency Undertaking	Active	2019-08-09	

Project transportation types

Transportation Type	Proposed Use	Length of Use
Air	Helicopter	
Land	ATV	

Project accomodation types

Community

Material Use

Equipment to be used (including drills, pumps, aircraft, vehicles, etc)

Equipment Type	Quantity	Size - Dimensions	Proposed Use
Information is not available			

Detail Fuel and Hazardous Material Use

Detail fuel material use:	Fuel Type	Number of containers	Container Capacity	Total Amount	Units	Proposed Use
Information is not available						

Water Consumption

Daily amount (m3)	Proposed water retrieval methods	Proposed water retrieval location
700	The City proposes to withdraw water from the Unnamed Lake and transfer it approximately 1.5 km via flexible hoses into the Apex River at a location approximately 2.3 km upstream.	Apex River Pump location water is then withdrawn and conveyed by pipeline to Lake Geraldine

Waste

Waste Management

Project Activity	Type of Waste	Projected Amount Generated	Method of Disposal	Additional treatment procedures
Information is not available				

Environmental Impacts:

See attached supporting documents.

Additional Information

SECTION A1: Project Info

SECTION A2: Allweather Road

SECTION A3: Winter Road

SECTION B1: Project Info

SECTION B2: Exploration Activity

SECTION B3: Geosciences

SECTION B4: Drilling

SECTION B5: Stripping

SECTION B6: Underground Activity

SECTION B7: Waste Rock

SECTION B8: Stockpiles

SECTION B9: Mine Development

SECTION B10: Geology

SECTION B11: Mine

SECTION B12: Mill

SECTION C1: Pits

SECTION D1: Facility

SECTION D2: Facility Construction

SECTION D3: Facility Operation

SECTION D4: Vessel Use

SECTION E1: Offshore Survey

SECTION E2: Nearshore Survey

SECTION E3: Vessel Use

SECTION F1: Site Cleanup

SECTION G1: Well Authorization

SECTION G2: Onland Exploration

SECTION G3: Offshore Exploration

SECTION G4: Rig

SECTION H1: Vessel Use

SECTION H2: Disposal At Sea

SECTION I1: Municipal Development

Description of Existing Environment: Physical Environment

Description of Existing Environment: Biological Environment

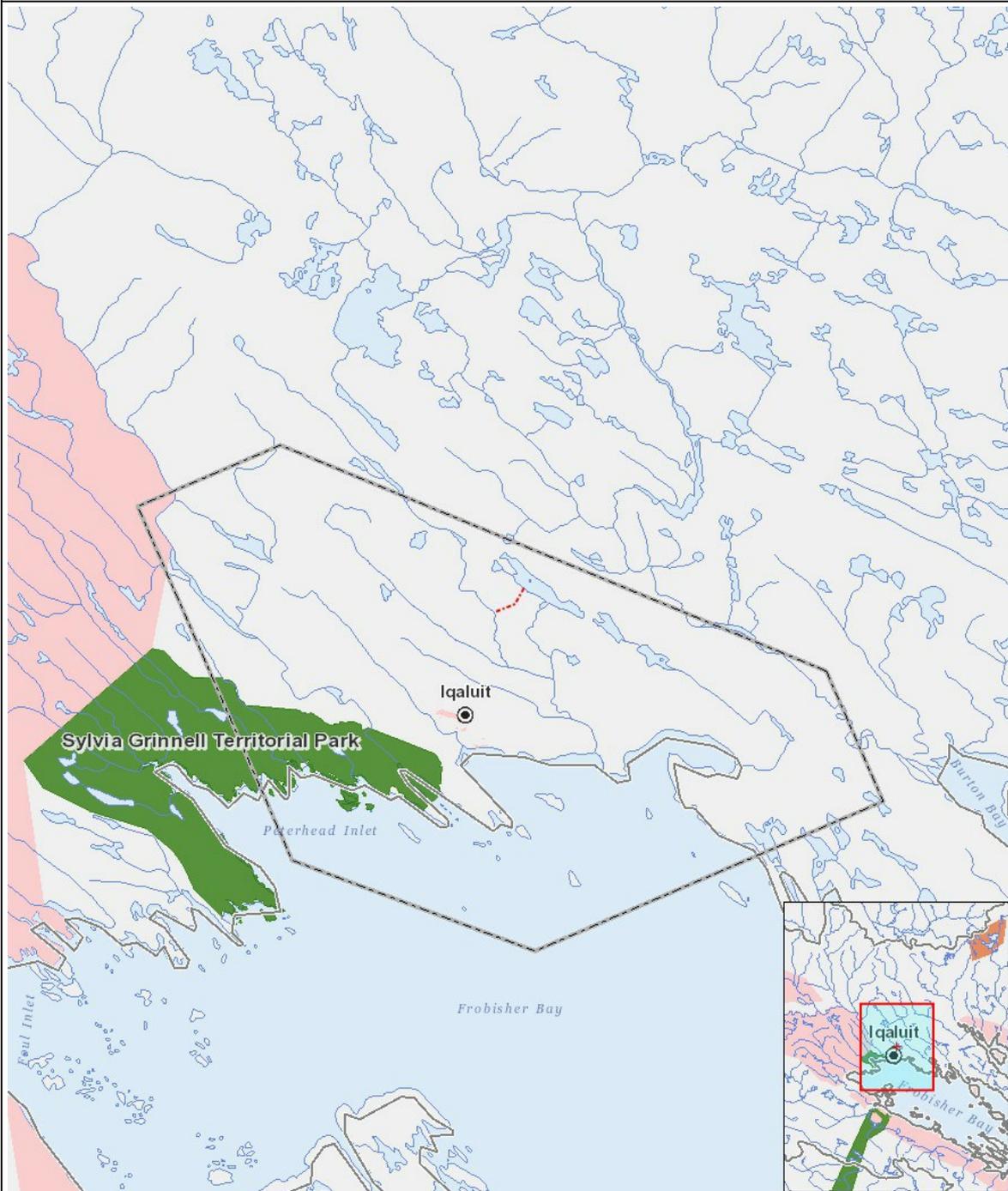
Description of Existing Environment: Socio-economic Environment

Miscellaneous Project Information

Identification of Impacts and Proposed Mitigation Measures

Cumulative Effects

Project Location



List of Project Geometries

- | | | |
|---|----------|---|
| 1 | polyline | Pipeline from Unnamed Lake to Niaqungauk (Apex) River |
| 2 | polyline | Pipeline from Niaqungauk (Apex) River to Lake Geraldine Reservoir |