

## **Project Dashboard**

Hope Bay Project NRI Scientific Research Permit (148362)

### **Proposal Status: Closed w/o Conformity Determination**

#### **Project Overview**

Type of application: **New**

Proponent name: Mr. Oliver Curran

Company: TMAC Resources Inc.

#### **Schedule:**

Start Date: 2017-01-01

End Date: 2020-01-01

Operation Type: Annual

#### **Project Description:**

Please see full Project Description attached. An application will be filed with the Nunavut Research Institute for a Scientific Research Permit to continue to conduct monitoring and baseline studies related to TMAC Resources Inc.'s (TMAC's) Hope Bay Project, located in the West Kitikmeot region of Nunavut. The Hope Bay Project is a gold mining and exploration undertaking which includes the permitted Doris North Gold Mine and other gold deposits in the exploration and permitting phases. Scientific research studies have been conducted within the Hope Bay Belt in support of permitting and compliance activities for many years. This research is currently licenced under NRI Scientific Research Licence # 04 005 16R-M and was reviewed under NIRB file number of 09YN022. Scientific studies will include the following, and are described in more detail in the attached Project Description: 1. Air quality and dust 2. Meteorology and wind 3. Noise 4. Geotechnical 5. Ground temperature 6. Hydrogeology 7. Geochemistry 8. Hydrology 9. Bathymetry 10. Aquatics (marine and freshwater) a) Water column structure b) Water and sediment quality c) Aquatic biology d) Fish and fish habitat 11. Soils and vegetation 12. Wildlife 13. Archaeology Research personnel will be based out of existing Hope Bay Project camps, and will comply with all existing permits, licences, and leases and associated management plans. Data will be compiled into baseline and/or compliance reports.

#### **Personnel:**

Persons: 4

Days: 365

## Project Map

### List of all project geometries:

ID	Geometry	Location Name
1461	polygon	Hope Bay Project Potential Scientific Research Area

### Planning Regions:

Kitikmeot

### Affected Areas and Land Types

Inuit Owned Surface Lands

Crown Lands

Settlement Area

## Project Land Use and Authorizations

### Project Land Use

Scientific Research

### Licensing Agencies

DFO

GN-DOE

GN-NRI

### Other Licensing Requirements

No data found.

## Material Use

### Equipment

Type	Quantity	Size	Use
see attached document re: equipment	various	various	various

### Fuel Use

Type	Container(s)	Capacity	UOM	Use
Diesel	1	5	Cubic Meters	see attached document re: fuel
Gasoline	5	205	Liters	see attached document re: fuel
Aviation fuel	500	205	Liters	see attached document re: fuel

### Hazardous Material and Chemical Use

Type	Container(s)	Capacity	UOM	Use
No records found.				

## Water Consumption

Daily Amount (m <sup>3</sup> )	Retrieval Method	Retrieval Location
10	as permitted under applicable water licences	as permitted under applicable water licences

## Waste and Impacts

## Environmental Impacts

Research impacts will be within those previously assessed for activities related to mining and exploration, and no significant scientific research-related impacts are anticipated. Activities will conform with all licences, permits, and regulations as well as Hope Bay Belt Project management and mitigation plans. Applicable management and mitigation plans include, but are not limited to: • Wildlife Mitigation and Monitoring Plan • Spill Contingency Plan • Hazardous Waste Management Plan • Non- Hazardous Waste Management Plan • Noise Abatement Plan • Wastewater Treatment Management Plan • Landfarm Management Plan • Incineration Management Plan These management plans are those filed with the Nunavut Impact Review Board for the Doris Project, and those filed with the Nunavut Water Board under water licences 2AM-DOH1323, 2BB-BOS1712, and 2BE-HOP1222, as well as any revisions, renewals, amendments, or additional licences which may be issued during this research period (e.g. 2BB-MAE--- ).

## Waste Management

Waste Type	Quantity Generated	Treatment Method	Disposal Method
Combustible wastes	<1tonne	none	As per Incinerator Management Plan
Greywater	~500 m3	none	As per Wastewater Treatment Management Plans
Hazardous	<1 m3	none	As per Hazardous Waste Management Plan
Non-Combustible wastes	<1 tonne	none	As per Landfill Management Plan
Overburden (organic soil, waste material, tailings)	<10 m3	none	Any drill cuttings will be disposed of as prescribed under the applicable water licences