

## **ALPINE GOLD MINE BEING REACTIVATED IN THE WEST KOOTENAY Exploratory Drilling Already Begun**

### ***Project location***

The 2,177-hectare property is approximately 20 km northeast of Nelson along the north shore of Kootenay Lake's West Arm. The mining claim area and proposed drill sites fall within three separate watersheds, all of which are used as water supplies to local communities: Sitkum Creek, Lemon Creek and Duhamel Creek. The property is also located immediately adjacent to one of BC's oldest and most famous provincial parks, Kokanee Glacier, a world-class wilderness area (see attached map).

### ***Developer***

The claim holder of this property is Braveheart Resources, represented locally by Eagle Plains Resources, a mineral exploration company based in Cranbrook, BC. The local contractor is TerraLogic Exploration Inc.

### ***History of project***

This property includes the Alpine Mine, a former underground operation with a recorded production of approximately 17,000 tonnes between 1938 and 1948. This material contained approximately 11,500 oz of gold, 7,200 oz of silver, 49 tonnes of lead and 17 tonnes of zinc.

### ***Current status of project***

The first phase of a 5-year exploration project has already begun (see attached 'Notice to Residents'). The developer plans a comprehensive exploration program for the Alpine Mine property beginning in 2017 which includes:

- helicopter-assisted diamond drilling (estimate of 35 sites over 5 years)
- road construction and expansion (estimate of 10 km roads with 6 Ha cleared)
- prospecting
- sampling of old mine workings and dumps

### ***Project review process***

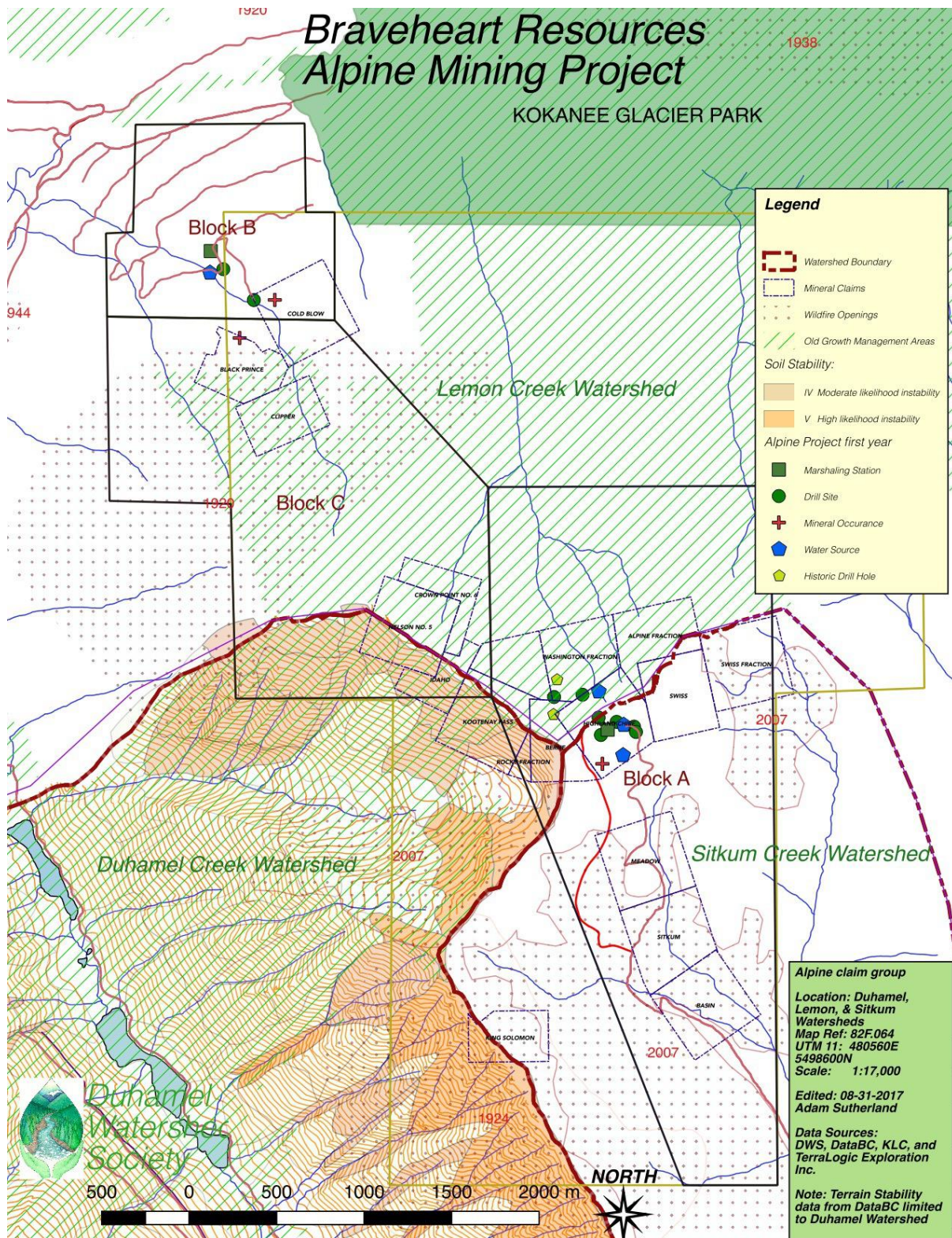
A Notice of Work and Operating and Contingency Plan were submitted to the BC Ministry of Mines and have been approved.

### ***Key public stakeholders***

- Water users in the three affected watersheds
- Recreational users of these watersheds
- Local residents
- Park visitors and tourists

### ***Key concerns***

1. Heightened forest fire risk due to increased human activity and machinery.
2. Contamination of community watersheds resulting from fuel spills, erosion, sump pond overflow or other factors as yet unidentified.
3. Impacts on Old Growth Management Area (OGMA).
4. Impacts on wildlife corridors, particularly grizzlies and other wide-ranging species.
5. Disturbance bordering on Kokanee Glacier Provincial Park, a world-class wilderness area plus the headwaters of over 30 alpine lakes and associated creeks.
6. Clean-up and remediation post-exploration. Will remediation be up to required standards? What happens if exploration proves unprofitable and the company simply abandons the site or becomes insolvent? Is the posted bond (\$30,000) sufficient to ensure full remediation?



**For more information**

- Duhamel Watershed Society: [info@duhamelwatershedsociety.com](mailto:info@duhamelwatershedsociety.com) Telephone: 250-505-2355
- BC Ministry of Mines: Nadia Bruemmer, [Nadia.Bruemmer@gov.bc.ca](mailto:Nadia.Bruemmer@gov.bc.ca)
- Michelle Mungall, MLA Nelson-Creston, [Michelle.Mungall.MLA@leg.bc.ca](mailto:Michelle.Mungall.MLA@leg.bc.ca) Telephone: 250-354-5944





## Appendix I: Supplementary information from RDCK

The Alpine claim group is located approximately 20 kilometres north of Nelson straddling the height of land between the drainages of Sitkum Creek and Alpine Creek. The 5.90 hectare (14.57 acre) sites include open sub-alpine meadow, mixed forest and has historical mining activity.

Access to the southern portion of the property is via Kane Road to Sitkum Creek Forest Service Road, then Alpine Road which follows Sitkum Creek to the headwaters. Access to the northwestern portion of the property is from Six Mile Road for approximately 17 kilometres until the junction with Lemon Creek Forest Service Road.

Proposed activities include: Access roads, trails, heli pads, air strips and boat ramps; Camps, Bldgs, Staging Areas and/or Fuel / Lubricants Storage; Exploration Surface Drilling; Settling Ponds and Water Supply. The proposed water source is undisclosed 'ponds.'

This scale of resource extraction is not 'reviewable' under the Environmental Assessment Act, so neither an environmental assessment nor environmental monitoring are required. For your reference, the 2008-2009 "Handbook for Mineral and Coal Exploration in BC."

## Appendix II: Information from [Braveheart](#) for Investors

Braveheart's interest in the Alpine Mine project is pursuant to an option agreement whereby Braveheart can acquire 100% of the high-grade gold property in the West Kootenay region of British Columbia and thus increase its land holdings in the area to over 12,000 hectares.

"The Alpine Mine property is located in a highly favorable geological environment and is an ideal fit for Braveheart as we continue our strategy of developing high grade gold targets," explained COO Aaron Matlock "Our prospecting and geological team will be considering fresh interpretations and potential new exploration and development options with regards to this important Property."

The 2,177-hectare Property is approximately 20 km northeast of Nelson within which is the Alpine Mine, a former operating underground mine with a recorded production of approximately 17,000 tonnes between 1938 and 1948. This material contained approximately 11,500 oz of gold, 7,200 oz of silver, 49 tonnes of lead and 17 tonnes of zinc.

Braveheart has developed a comprehensive exploration program for the Alpine Mine property in 2017. Fund raising is almost complete for the program which will include helicopter assisted diamond drilling, road rehabilitation, prospecting, sampling of old mine workings and dumps to corroborate technical information from work done on the Property by previous owners. Exploration permit applications have been submitted to the BC Ministry of Mines and Energy. Ground activities are anticipated to begin in late June.

### Excerpt from Braveheart information to investors regarding potential risks:

"Production of mineral properties may involve the use of dangerous and hazardous substances. While all steps will be taken to prevent discharges of pollutants into the ground water and the environment, Braveheart may become subject to liability for hazards that cannot be insured against."

## **Appendix III: Proposed MYAB Permit Application for the Alpine Project**

### **Scope of the Proposed 5 Year Exploration Program**

The intent of the proposed 5 year exploration program is to complete exploratory diamond drill boreholes and undertake detailed ground based geological, geochemical and geophysical surveys to better understand the local geology to locate further drill targets. Three different blocks have been identified, and described in detail to fall under the scope of the proposed Multi-Year Area-Based (MYAB) exploration permit outlined below.

The intent of the proposed year 1 exploration program is to complete a number of diamond drill boreholes in the area of the historic Alpine workings and to brush out an existing access road to the northern part of the property in the area of the historic Black Prince and Cold Blow workings. Future exploration programs will build on the results from the year 1 work. All activities will be carried out following the AME BC and BC Ministry of Mines Best Practices guidelines.

### **Block A Alpine Area**

#### **Exploration Trail – Rehab – 7.5 km; Total Site Disturbance: 3.75 ha**

The proposed exploration trails will provide access to the area of the historic Alpine workings with 4WD trucks and drilling equipment. The exploration trails will be  $\leq 5.0$  m wide. Nonmerchantable timber will be bucked and scattered along the shoulders of the exploration trail. A medium sized excavator will be used to build the exploration trails. Water diversion ditches will be installed at regular intervals along the trail to minimize erosion.

#### **Diamond Drilling – 15 sites; Total Site Disturbance: 0.34 ha**

Diamond drilling will be completed using a helicopter supported rig. The diamond drill rig will have the capacity to complete boreholes to a depth of 1000 m. Multiple boreholes will be completed from each drill site. Water for the drilling activities will be sourced from ponds or the closest tributary adjacent to where the proposed activities will take place. Sumps at helicopter access drill sites will be constructed using non-mechanized excavation, geotextile landscaping cloth and straw bales. Some drilling activities will be completed within the Duhamel Creek community watershed. Non-merchantable timber will be bucked and scattered along the edge of the drill site. Drill sites and sumps will be reclaimed immediately upon completion of drilling at each site.

### **Block B**

#### **Exploration Trail – Rehabilitation – 2.705 km**

#### **Total Site Disturbance: 1.353 ha**

The proposed exploration trails will provide access for drill sites, and will use a logging road that has become overgrown with alder. Non-merchantable timber will be bucked and scattered along the shoulders of the exploration trail. A medium sized excavator will be used to build the exploration trails. Water diversion ditches will be installed at regular intervals along the trail to minimize erosion.

#### **Diamond Drilling – 10 sites; Total Site Disturbance: 0.23 ha**

Diamond drilling will be completed using a helicopter supported rig. The diamond drill rig will have the capacity to complete boreholes to a depth of 1000 m. Multiple boreholes will be completed from each drill site. Water for the drilling activities will be sourced from ponds or the closest tributary adjacent to where the proposed activities will take place. Sumps at helicopter access drill sites will be constructed using non-mechanized excavation, geotextile landscaping cloth and straw bales. Drilling activities will not be completed within a community watershed. Non-merchantable timber will be bucked and scattered along the edge of the drill site. Drill sites and sumps will be reclaimed immediately upon completion of drilling at each site.

### **Block C**

#### **Diamond Drilling – 10 sites; Total Site Disturbance: 0.23 ha**

Diamond drilling will be completed using a helicopter supported rig. The diamond drill rig will have the capacity to complete boreholes to a depth of 1000 m. Multiple boreholes will be completed from each drill site. Water for the drilling activities will be sourced from ponds or the closest tributary adjacent to where the proposed activities will take place. Sumps at helicopter access drill sites will be constructed using non-mechanized excavation, geotextile landscaping cloth and straw bales. Some drilling activities will be completed within the Duhamel Creek community watershed. Non-merchantable timber will be bucked and scattered along the edge of the drill site. Drill sites and sumps will be reclaimed immediately upon completion of drilling at each site.

### **Total Disturbance Blocks A,B and C**

#### **Diamond Drilling : 35 sites 0.8 ha; Exploration Trail – Rehabilitation : 10.25 km 5.1 ha**

All exploration trails and diamond drill sites will be reclaimed in compliance with the Health, Safety and Reclamation Code for Mines in British Columbia prior to closure of the permit. Progressive reclamation activities will be completed at the end of each exploration program to maintain total surface disturbance  $< 3.0$  ha for all active permitted blocks. All completed reclamation will be reported in the Annual Summary of Exploration Activity (ASEA) according to the permit operating guidelines.

## Appendix IV: Notice to Residents\*

[www.braveheartresourcesinc.com](http://www.braveheartresourcesinc.com)

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### ADVISORY NOTICE

Dear Resident:

Issue Date: August 21 2017

Please be advised that Braveheart Resources Inc., will be conducting diamond drilling for the purposes of mineral exploration in your area commencing on or about August 23, 2017 for a period of approximately 30 days. Personnel will be accessing the property via the Lemon Creek FSR and the Sitkum-Dumamel FSR to the property boundaries, and via ATV to the worksite. It is anticipated that an average of 2 return trips per day will be needed to move personnel. The drill and support equipment will be moved with a helicopter based out of Nelson approximately every 2-3 days and we anticipate drill moves to be less than 2 hours duration.

This mineral exploration project will be conducted under a permit issued by the British Columbia Ministry of Energy and Mines Permit # MX-5-808. It will be conducted with the utmost care and consideration for the environment and the surrounding community. Braveheart has been in consultation with local watershed user groups and has created a comprehensive contingency plan in the event of an unforeseen incident caused by the exploration work. We are committed to closely monitor water quality during drilling operations and related activities to verify that our operations do not adversely affect the environment, or have negative health and safety impacts. In order to provide an accurate baseline for water quality assessment, Braveheart has contracted Masse Environmental who will be initiating water sampling in the Duhamel-Sitkum-Lemon Creek prior to the start of drilling.

For your information, the hole diameter to be drilled is 3 inches. Please note that business will be conducted using local resources where possible.

Inquiries related to this project should be directed to:

Braveheart Resources : Aaron Matlock Director [aaron\\_matlock@hotmail.com](mailto:aaron_matlock@hotmail.com)  
Cel (403) 485 8327

Project Manager: Mike McCuaig [mam@terralogicexploration.com](mailto:mam@terralogicexploration.com)  
Cel: (250) 464 9786  
Office : (778) 520-2000

Project: Alpine

Contractors: TerraLogic Exploration Inc.  
Lucky Drilling

Anticipated duration: Approximately 30 days

Type of Work: Exploratory diamond drilling

Thank you

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Aaron Matlock  
Director

*\*Note: To our knowledge, no residents in the affected watersheds actually received this notice as of today's date.*

