



Permit Number: **MX-1-832** Mine No: **1650566**
Permittee: **Pretium Resources Inc.**
Suite 1600 - 570 Granville Street
Vancouver BC V6C 3P1
Business Phone: **604-558-1784**
Fax: **604-558-4784**
Name of Property: **Bowser**
Reclamation security amount: **\$285,000**

For exploration activities illustrated on attached maps, overlapping the following mineral tenures:
509463, 569195, 570464, 637289, 604787, 685666, 687664, 608125, 588364, 608123, 588361,
593501, 593514, 593513, 593512, 593511, 553599, 594650, 592320, 592334, 843011, 685663,
607645, 587907 & 587884

As described in: **Notices of Work** dated March 4, 2010, May 27, 2010 & February 4, 2011, April 19, July 16, & November 11, 2012; **Brucejack Access Road Environmental Protection Plan Access Road Construction** (March 2012); and **Brucejack Project Access Road EIS** (February 2012), Road completion plan July 15, 2013.

Approval Completion Date: **March 31, 2015**

Approved work:

Camp: **Staging area & emergency facilities on Knipple Glacier, work camps at Wildfire and Bowser airstrip**

Helicopter pads: **19 pads**

Surface Drilling: **44 sites**

Blasting: **Permit # BC-1160 and 1161**


Exploration Access: **Maintenance of ~35 km of temporary access road (Bell Irving crossing to Knipple Glacier) and ice road up Knipple Glacier. -**

Timber cutting: **OLTC L48433**

Approved area of new Disturbance: **To be determined on completion of road construction**

Date of Issuance: **November 1, 2010**

Date of Amendment: **July 22, 2013**


Doug Flynn, P.Eng.
Inspector of Mines

The information on this form and any supporting documents are subject to the *Freedom of Information and Protection of Privacy Act*. The information requested on this form is collected and used for the purpose of administering the Mineral Exploration and Reclamation Permit. The *Mines Act* of British Columbia also authorizes the collection of the requested information on this form. The completed form is routinely available to the public. Questions about how the *Freedom of Information and Protection of Privacy Act* applies to the information collected on this form can be directed to the Mines Branch, phone (250)952-0492, fax (250)952-0491 or write to: PO Box 9320, Stn Prov Govt, Victoria, British Columbia, V8W 9N3.

Permit Conditions

- **Compliance with Mines Act and Code:**

All exploration activities must be conducted in a manner that complies with the *Mines Act* and the Health, Safety and Reclamation Code for Mines in British Columbia.

- **Start of Exploration Activities Notification:**

Written notification is required 10 days prior to the seasonal start and 7 days prior to seasonal end of exploration activity. This notification is to be provided

- **Uranium and Thorium:**

Exploration for uranium or thorium is not approved under this permit.

- **Changes to the Permitted Activities:**

The regional Inspector of Mines must be notified if the Permittee wishes to materially alter the exploration activities approved herein. Approval must be received from the regional Inspector of Mines prior to commencement of an amended program of exploration activities when described in a Schedule.

- **Annual Reporting:**

An annual summary of construction activities conducted in the previous calendar year is to be provided to: mmd-smithers@gov.bc.ca, with a copy to the inspector, by the end of March of every year the MYAB approval is in effect. This summary is to include a brief overview of the progress of construction and mapping illustrating road construction, including bridge/water crossing installations, borrow pits and spoil piles; and plans illustrating infrastructure placed for camps, staging areas and other facilities.

- **Notice of Mine Closure:**

A Notice of Mine Closure must be submitted to the regional Inspector of Mines when exploration by a Permittee at a permitted site is permanently discontinued.

- **Others:**

1. Best management practices, outlined in the Handbook for Mineral and Coal Exploration in BC, are to be utilized in conjunction with direction provided by the Code.
2. An Archaeological Chance Find procedure has been prepared and must be implemented by all persons working on the mineral property.
3. The access road is to be constructed to the standard of a "Temporary Road" as per Chapter 10 of the Handbook for Mineral and Coal Exploration in BC and in conjunction with the Forest Practices Code of BC Forest Road Engineering Guidebook.
4. On completion of construction, "as built" drawings of the road and bridge structures of the Temporary Road are to be provided to the Inspector and regional Mines office.
5. On completion of the road construction, a post-construction environmental plan is required for the Temporary Road.



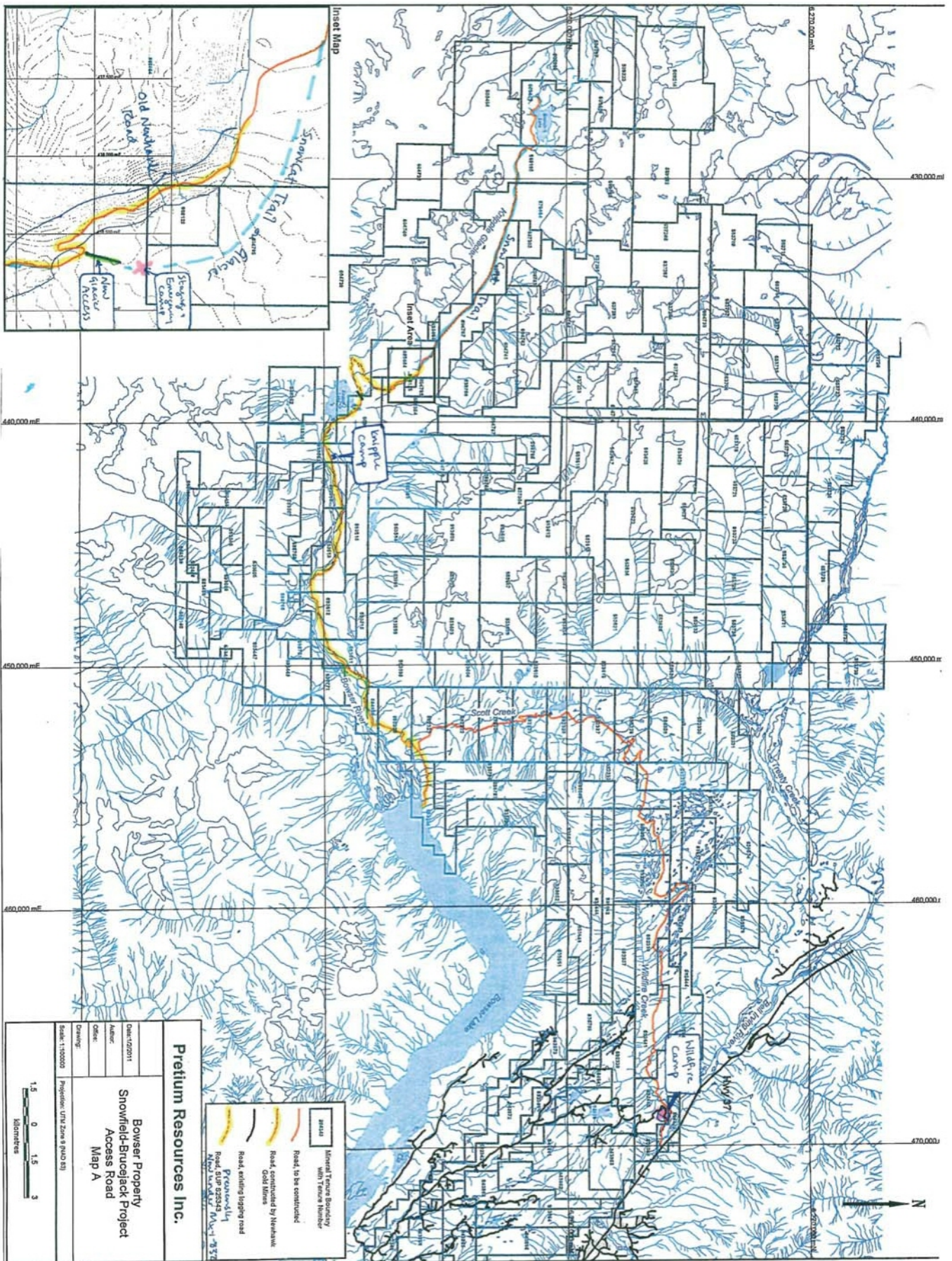
2010 AERIAL PHOTOGRAPHY

PRETIUM RESOURCES INC. Breccia Project	
1000 1000 1000 1000 Knipple (Brewer Airtrip)	
1000 - 1000 1000 - 1000 1000 - 1000 1000 - 1000	1000 - 1000 1000 - 1000 1000 - 1000 1000 - 1000

camp.

Brucejack Explora on Road Comple on Plan - July 15, 2013

Item	Completion Dates	Activity
1	20-Aug-13	Cutting down danger trees
2	30-Aug-13	Stacking fallen trees - Either for hauling out or burning. Cypress will need a little additional surveying and then they will have an estimate of cubic metres cut.
3	30-Oct-13	Corduroy in road needs removal- around 7 to 8 km
4	30-Oct-13	2 Log bundle culverts needs to be replaced by culverts - at 6263635 461570
5	30-Oct-13	Between 2 km and 11 km 25 culverts need work - Cambria Gordon has list of blocked culverts, improper sloped culverts, where new culverts needed due to pooled water on road or above road or culverts are too short. George has Cambria Gordon list, George estimated 25
6	1-Aug-13 1-Aug-13 31-Jul-13 1-Aug-13 15-Aug-13 15-Aug-13 15-Aug-13 1-Aug-13 1-Aug-13 1-Aug-13 30-Aug-13	Bridge 10 blocked upstream and downstream, work has begun Bridge 11 missing 1 mine side reflector, no deflectors Bridge 14 WBC - no channel on downstream side Bridge 16 at 47 km - no deflectors missing 1 mine side reflector, no deflectors Bridge 18 no deflectors, HDPE culverts still on site Bridge 19 no deflectors, water pooling on upstream side, logs and culverts from snow bridge to be removed Bridge 20 - no deflectors, HDPE culverts (or PVC) to be removed Bridge 21 no delineators, was a hole in road on approach at time of inspection Bridge 5 town side deflectors fallen down, approach has subsided 4 inches Bridge 7 Little Scott - no deflectors Bridge 8 Scott Creek - treated wood from old bridge needs to be removed to garbage dump s.22 or Stewart), old span to be stored at Bowser
7	15-Sep-13	Drainage ditches Cambria Gordon list 5 areas needing drainage ditches, George has list
8	30-Sep-13	Wildfire Bridge - Ford approach requires rehabilitation, was blasting mat there at time of inspection
9	30-Oct-13	High stumps along Wildfire to Scott need to be cut down. Most will require excavator to remove and pile for burning
10	30-Sep-13	3 km spoil pile needs stabilization and revegetation
11	30-Sep-13	Log drain needs replacement with culvert 6263540 465608
12	15-Oct-13	Wetland needs vegetation buffer- Rescan to provide locations 6259260 452134 etc Plant alder clumps in fall
13	TBA	Toad Tunnels This is a new possibility. Not confirmed yet but Western Toads are a Blue Listed Species in BC, of Special Concern Federally and Red Listed Internationally. Only Red Listed Amphibian in Canada Habitat is under further study and we may need to build Toad Tunnels under road near wetlands (may have answer later in year).
14	30-Oct-13	Alder cuttings and alder seed on Wildfire Hill in fall.
15	30-Oct-13	Seeding with reclamation seed mixture elsewhere along road - Wildfire to Scott
16	30-Aug-13	Rough sections km 13 to 18 need heavy compactor - George sourcing.
17	30-Aug-14	Top dressing





Permit Number: **MX-1-842** Mine No: **0100270**

Permittee: **Pretium Resources Inc.
2300 Four Bentall Centre, 1055 Dunsmuir Street
Vancouver BC V7X 1L4**

Business Phone: **(604) 5581784**
Fax: **(604) 558 4784**

Name of Property: **Brucejack-Snowfields Project**

Reclamation security amount: **\$100,000**

For exploration and reclamation activities within the permit area illustrated on attached maps, overlapping some or all of the following mineral tenures:

509216, 509223, 509397, 509400, 1027400, 1027396, 1027429, 1027431, 1027433, 1027397, 1027398, 1027399

As described in the Notice of Work and Reclamation dated: **December 23, 2011, Mine Plan dated April 16, 2013**
Amendments dated: **July 19, 2011, June 11, 2012, April 11, 2013, May 27, 2013, September 4, 2014, October 20, 2014, January 20, 2015 & April 21, 2015 (and amended due to issuance of M-243 Permit)**

Approval completion date: March 31, 2020

Approved work:

Camp: Use of camp and infrastructure as approved under Permit M-243.

Surface Drilling: 460 drill set-ups (combination helicopter and ground supported).

Helipads: As required to support approved drilling program.


Trenches and Test pits: 10 sites.

Access: Construction of 2km of exploration trail.

Approved area of new disturbance: ~8.0 ha
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Date of Issuance: January 15, 2002

Date of Amendment: January 18, 2016


Don J. Harrison, P.Geol.
Sr. Inspector of Mines, Northwest region

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Permit Conditions

- **Compliance with Mines Act and Code:**
All exploration activities must be conducted in a manner that complies with the *Mines Act* and the Health, Safety and Reclamation Code for Mines in British Columbia.
- **Appointment of Mine Manager:**
If a Mine Manager has not been appointed prior to issuance of this permit, written notification of this appointment and contact information for the manager must be provided by the owner on or before notification of start of exploration activities.
- **Notification of Seasonal Start and End of Exploration Activities:**
Written notification to the regional Inspector of Mines is required 10 days prior to the seasonal start and 7 days prior to seasonal end of exploration activity. This notification is to be provided to: mmd-smithers@gov.bc.ca
- **Uranium and Thorium:**
Exploration for uranium or thorium is not approved under this permit.
- **Changes to the Permitted Activities:**
The regional Inspector of Mines must be notified if the Permittee wishes to substantially alter the exploration activities approved herein. Approval must be received from the regional Inspector of Mines prior to commencement of an amended program of exploration activities when described in a Schedule.
- **Annual Summary of Exploration Activities & Multi-Year Area Based Update:**
For Multi-Year Area Based (MYAB) work programs, an Annual Summary of Exploration Activities (ASEA) and a MYAB Annual Update shall be submitted annually to the regional Inspector of Mines. The MYAB Annual Update & ASEA shall be submitted at least 2 weeks prior to commencement of exploration activities in a new calendar year or no later than the end of March of every year the MYAB permit is in effect.
- **Notice of Mine Closure:**
A Notice of Mine Closure must be submitted to the regional Inspector of Mines when exploration by a Permittee at a permitted site is permanently discontinued.
- **Others:**
 1. Best Management Practices, outlined in the Handbook for Coal and Mineral Exploration in BC, are to be utilized in conjunction with direction provided by the Code.
 2. The Permittee shall implement their **Environmental Management System (EMS)**, as required under the M-243 permit, which is comprised of the following component plans; Construction Environmental Management Plan, Air Quality Environmental Management Plan, Aquatic Effects Management Plan, Chemicals and Materials Storage and Handling Management Plan, Heritage Management Plan, Invasive Plants Management Plan, ML/ARD Management Plan, Nitrogen Management Plan, Surface Erosion Prevention and Sediment Control Management Plan, Spill Response Plan, Tailings and Waste Rock Subaqueous Deposition Management Plan, Underground Water Management Plan, Vegetation Management Plan, Waste Management Plan, Water Management Plan and Wildlife Management Plan. Any amendments to the EMS or associated plans must be submitted to the Ministry of Energy and Mines for review and acceptance.



Mine #: 0100270
Brucejack MX-1-842

- Permit Area
- Associated Tenures
- Special Use Permit (Industry)

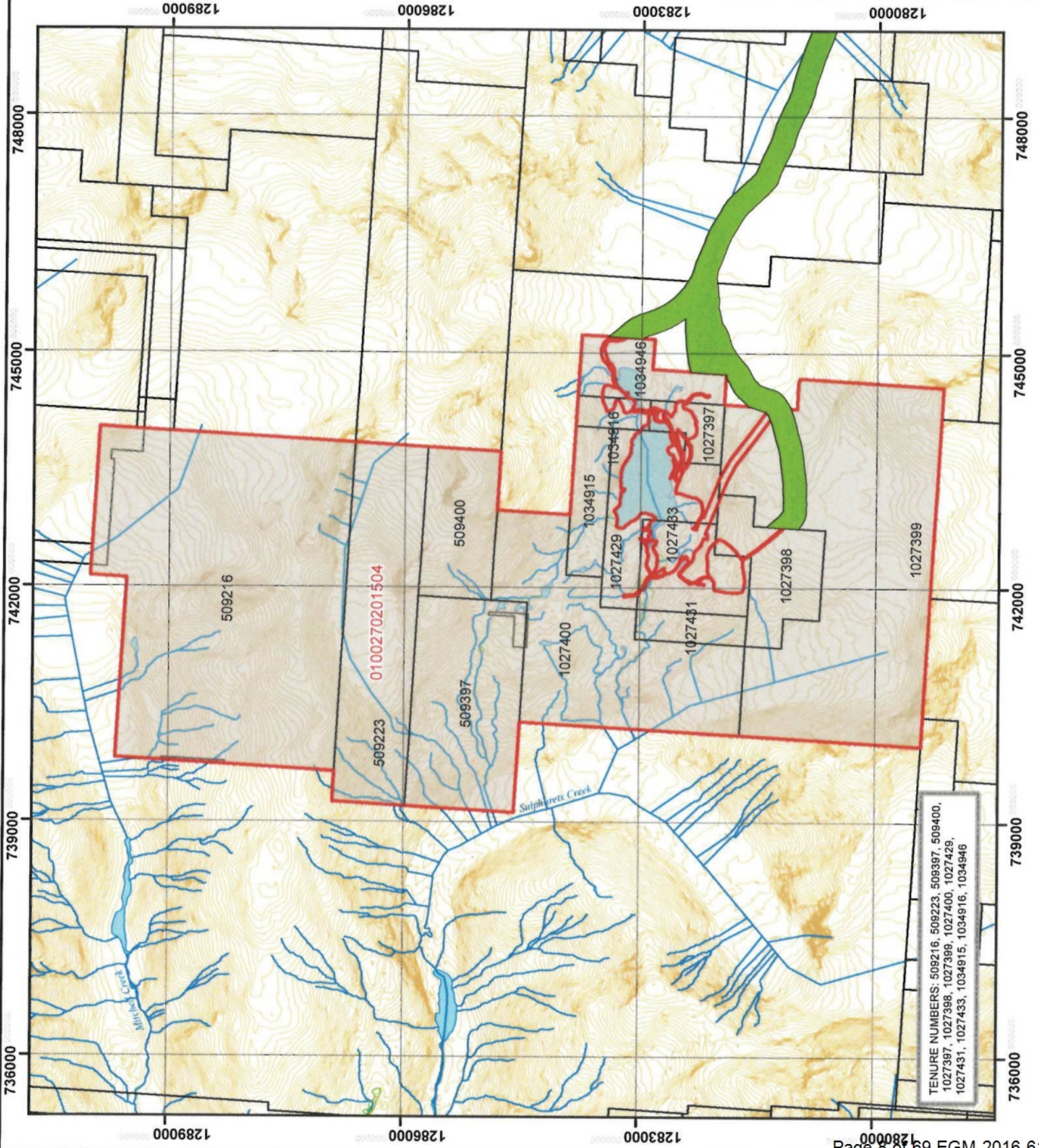
Base Data

- Locality
- Roads
- Highway
- Forest Road
- Mineral Tenures
- Lakes / Rivers
- Wetlands
- Contour Lines













Base Data: BC Geographic Warehouse

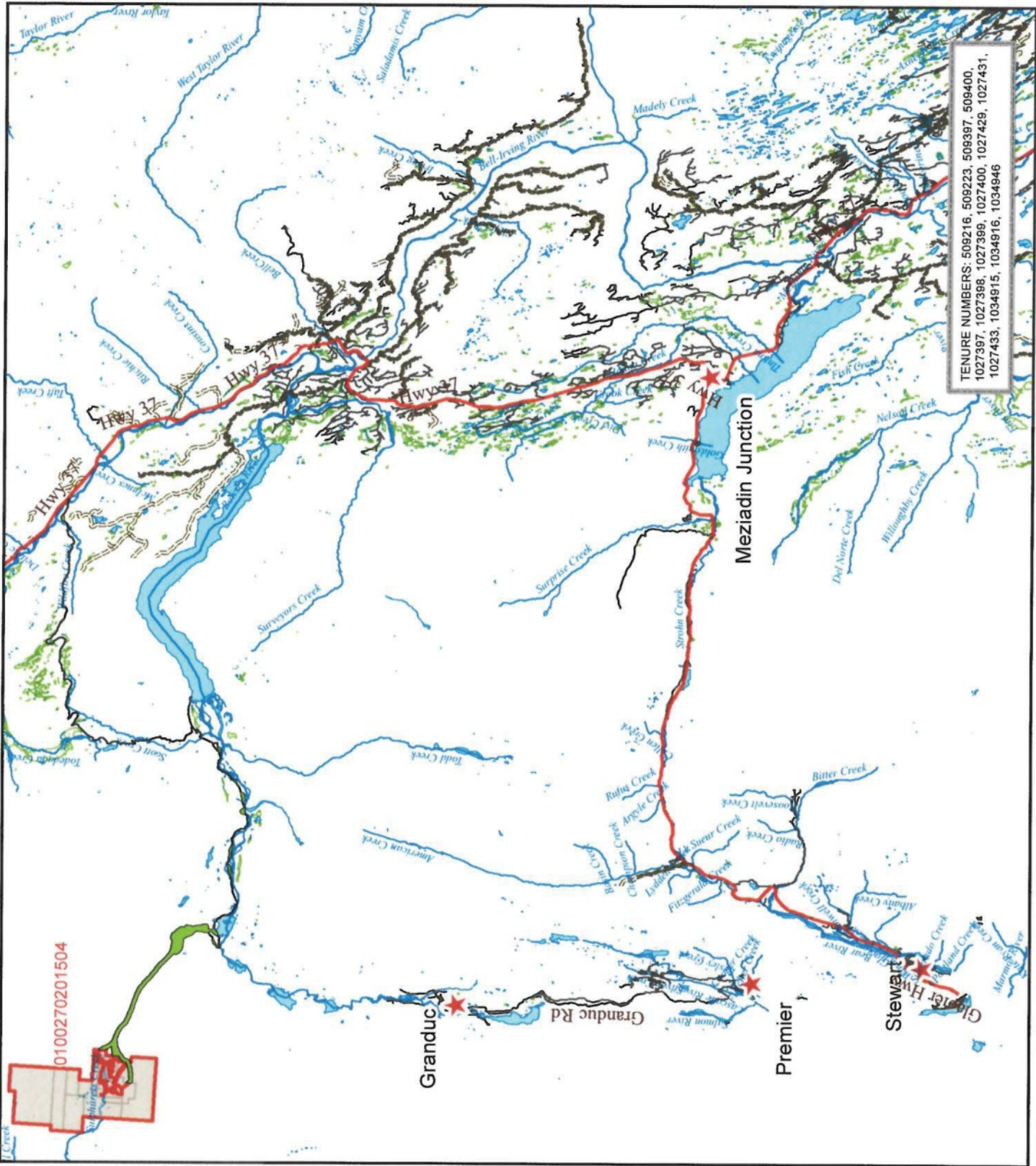
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Prepared by: JAS/CHN
MMB Systems
Date: June 2015



TENURE NUMBERS: 509216, 509223, 509397, 509400, 1027397, 1027398, 1027399, 1027400, 1027429, 1027431, 1027433, 1034915, 1034916, 1034946

 <p>Ministry of Energy and Mines</p>	<p>Mine #: 0100270</p> <p>Brucejack MX-1-842</p>	<p> Permit Area</p> <p> Associated Tenures</p> <p> Special Use Permit (Industry)</p>	<p>Base Data</p> <ul style="list-style-type: none">  Locality  Roads  Highway  Forest Road  Lakes / Rivers  Wetlands 	<p>Base Data: BC Geographic Warehouse</p> <p>N </p> <p>1:400,000</p> <p></p> <p>Prepared by: J.B.A.C.H.</p> <p>Date: June 2015</p>
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**SPECIAL USE PERMIT
S25923**

Ministry of
Forests, Lands and
Natural Resource Operations

THIS PERMIT, dated for reference **July 23, 2015**, is issued to:

**PRETIVM RESOURCES INC.
SUITE 2300, FOUR BENTALL CENTRE
1055 DUNSMUIR STREET
VANCOUVER, BRITISH COLUMBIA
V7X 1L4**

Phone: 604-558-1784 Fax: 604-588-4784
Email: permits@pretivm.com
(the "Permittee")

WHEREAS:

- A. The Permittee wishes to use a portion of Crown land in a Provincial Forest for the purposes of construction and maintenance of a road, including construction and maintenance of bridges and other drainage structures, and has not been authorized under any other enactment to use the land.
- B. The Permittee made application on **April 8, 2015**, in accordance with section 8 of the Provincial Forest Use Regulation of the *Forest Practices Code of British Columbia Act*, and has submitted a plan that sets out how the land will be used.
- C. The Permittee is issued this permit in accordance with section 3 of the *Mining Right of Way Act* and the *Forest Practices Code of British Columbia Act*.

1.00 GRANT OF RIGHTS AND TERM

- 1.01 Subject to this Permit and the Acts, regulations, and standards referred to in paragraph 6.01, the Permittee may use the Crown land designated on the attached Exhibit "A" map to this Permit (the "Permit Area") for the purpose of:
 - (a) construction and maintenance of a road, including construction and maintenance of bridges and other drainage structures.
- 1.02 The term of this Permit begins on **July 23, 2015**, and will terminate on the date when the District Manager notifies the Permittee in writing that:
 - (a) the road has been deactivated to the satisfaction of the District Manager; or

- (b) future use of the road by others will preclude the need for permanent deactivation.

1.03 There is reserved to the Province:

- (a) the right to grant rights-of-way across, through or over the permit area to other parties, on such terms and conditions as the District Manager determines;
- (b) the right of employees and agents of the Province to use and to cross the road and the permit area; and
- (c) the right to grant timber harvesting rights to others with respect to the timber located outside the clearing area, but within the permit area.

2.00 CONDITIONS AND REQUIREMENTS

- 2.01 The Permittee may only carry out activities on the Permit Area in accordance with the "1.0 Plan of Use" attached as Schedule "A" and obligations defined in the Environmental Assessment Certificate (EAC #M 15-01), dated the (26th) of (March) (2015), conditions defined in the Mines Act Permit(M-243) that apply to the access road and any commitments made by Pretivm Resources Inc. through the application phase.
- 2.02 Prior to any major works (i.e. realignments or stream crossing structures) being completed on the SUP, the proponent is required to make application to the Province as this will initiate an amendment to the SUP.
- 2.02 The Permittee shall retain an Engineer of Record who will be responsible for design and construction of the road and bridges.
- 2.03 The Permittee where practicable will restrict the timing of construction to drier periods of the year which will avoid spring freshet.
- 2.04 This Permit authorizes the use and maintenance of the Brucejack Access Road (SUP S25923).

The following annual commitments are required:

- 1). A maintenance plan is to be submitted annually on or before May 31.
- 2). A summary of works planned and carried out must be provided annually and may be submitted with the new maintenance plan.
- 3). An Invasive Plant Control Plan, approved by FLNRO, is required as part of the Road Management Plan. An Invasive Plant Report outlining survey and control work will be provided to FLNRO as part of the aforementioned maintenance plan, and copied to the Ecosystem Section.

- 2.05 The district manager, at any time during the term of this permit, may unilaterally revise the terms and conditions contained in this permit if he/she deems it necessary for the proper management and conservation of the forest resources in the permit area.
- 2.06 A revised Road Closure Plan will be required once the scheduled upgrades have been completed.
- 2.07 Erosion Event Reporting – In the case of erosion events of >50 m³ (landslide or fluvial erosion) or >5 m³ of soil material deposited directly into a stream (landslide), the proponent must provide details of the event, including coordinates and photographs, to the province within 48 hours. This erosion event information will be communicated to the province using the following email address:

Forests.SkeenaStikineDistrictOffice@gov.bc.ca

- 2.08 The current access road which was previously constructed under a Ministry of Energy and Mines authorization for the purpose of exploration requires upgrades which are necessary to bring the road up to current forest road standards. The following conditions which are the result of a field reconnaissance that has been completed by FLNRO have been mutually agreed upon between the proponent and FLNRO:

- a) The proponent is expected to elevate the level of mitigation with respect to fine sediment production and subsequent delivery to the nearby stream channels. (This condition is specific to the Wildfire hill location)
- b) An audit of the entire SUP length shall be conducted during a high flow period to ensure major and minor drainage structures are adequate.
- c) Design and construct road features to prevent negative interactions between natural processes and the constructed road on the Scott Creek fan.
- d) There is an expectation that the section of road crossing the Bowser River floodplain will be left in its present location but if there are issues with flooding or erosion hazards, the proponent has committed to moving the road towards the margin of the floodplain as long as avalanche hazards would not require active management. Specific sections of the road which have been identified as defensible (from streambank erosion) and not defensible have been identified in the Geohazards and Geomorphology Review that was completed by FLNRO. (As per the attached Schedule A Section 2.0)
- e) An annual report on the ablation monitoring and the significant changes to the glacier shall be provided.

Reference Report (Brucejack Mine Access Road Review by Ministry of Forests, Lands and Natural Resource Operations- Geohazards and Geomorphology Review)

Completed by Matt Sakals, PGeo PhD (Research Geomorphologist) and Alexandre Bevington, (Research Earth Scientist).

- 2.09 The Permittee is required to share all annual reports, which have been requested by the province as a condition of this permit, with the Nisga'a Nation as represented by the Nisga'a Lisims Government.
- 2.10 As per the memorandum received July 17, 2015, from Pretivm Recourses, the permittee intends to reactivate a section of the New Hawk Road for the purpose of Emergency Response. This will allow the permittee to address any potential spills that may happen along this section of the SUP from 35km to 59km. (As per the attached Schedule A Section 3.0). Any deviation from this memorandum will need to be approved by the District Manager.

3.00 OTHER RIGHTS

- 3.01 The Permittee's rights under this Permit are subject to any other rights of use and occupation over the permit area and the clearing area which the Government has granted to third parties and the Permittee covenants not to obstruct or impede a third party in their authorized use or occupation of these areas.
- 3.02 Except where a mineral reserve established under section 22 (2) of the *Mineral Tenure Act* allows otherwise, the Permittee covenants and agrees not to obstruct, or impede the use, or diminish the rights held under tenures which have been, or which may be, issued to third parties under the *Mineral Tenure Act*.

4.00 ANNUAL RENT

- 4.01 In addition to money payable by the Permittee under the *Forest Act* and the *Forest Practices Code of British Columbia Act* and regulations made under them, the Permittee will pay to the Crown, immediately upon receipt of a statement issued on behalf of the Crown, annual rent in the amount of:
- (a) \$ 00 for the first year; and
 - (b) for ensuing years, an amount determined by the District Manager.

5.00 DEPOSIT

- 5.01 In addition to any money payable by the Permittee under the Acts or regulations referred to in paragraph
- 6.00, or the money referred to in paragraph 4.01, the Permittee must maintain a deposit in the amount of **\$2,000,000.00** in the form of a security acceptable to the District Manager, before using the land as specified in paragraph 1.01.
- The permittee has requested a phased implementation of the security deposit and has submitted a plan which clearly describes the approach the permittee wishes to take. The following phased implementation plan has been approved by the District Manager:
- a) A deposit amount of **\$1,000,000.00** to be provided on the commencement date of this permit.

- b) On the first anniversary date of this permit an additional deposit of **\$600,000.00** will be required.
- c) On the second anniversary date of this permit an final instalment of **\$400,000.00** will be required to round out the deposit to a total of **\$2,000,000.00** and will be maintained as specified in section 5.02

Any deviation from the approved phased implementation plan will require the proponent to notify the district manager as this may require a reconfiguration of the phased deposit.

- 5.02 Commencing on the anniversary date of the permit and each anniversary thereafter, the Permittee must adjust the deposit by an amount to maintain the **\$2,000,000.00(CDN)** deposit which is calculated by multiplying the sum of **\$2,000,000.00(CDN)** by the Consumer Price Index for the new calendar year and dividing by the Consumer Price Index for the previous calendar year.
- 5.03 The District Manager may use any or all of the deposit referred to in paragraph 5.01
 - (a) to satisfy a claim made by the owner of personal property, other than the Permittee or the Province, who has property situated on the Permit Area, or
 - (b) to cover the costs resulting from a failure of the Permittee to meet the conditions of this Permit.
- 5.04 The District Manager, after at least four weeks notice to the Permittee, may take from the deposit:
 - (a) an amount sufficient to cover costs incurred by the District Manager in remedying the Permittee's failure to meet the conditions of this Permit; or
 - (b) an amount equal to the District Manager's estimate of the costs which the District Manager could reasonably expect to incur in remedying the Permittee's failure to meet the conditions of this Permit, and for that purpose a security included in the deposit may be realized.
- 5.05 A notice referred to in paragraph 5.04 must specify:
 - (a) the condition of this Permit which the Permittee failed to meet; and
 - (b) the amount the District Manager takes from the deposit.
- 5.06 If the District Manager gives the Permittee a notice that an amount has been taken under this part from the deposit, the Permittee within four weeks of the date from which the notice is given, must add to the deposit, in a form acceptable to the District Manager, an amount sufficient to replenish the deposit to the amount specified in paragraph 5.01.
- 5.07 Subject to paragraphs 5.04, 5.05 and 5.06, if:
 - (a) the District Manager takes from the deposit an amount equal to the District Manager's estimate of the costs which the District Manager could reasonably expect to incur in remedying the Permittee's failure to meet the conditions of this Permit; and

- (b) the costs incurred by the District Manager in remedying the Permittee's failure to meet the conditions of this Permit are less than the amount taken from the deposit;

the District Manager will as soon as feasible return to the Permittee an amount equal to the difference between the amount taken from the deposit and the costs incurred by the District Manager.

5.08 If

- (a) the District Manager takes from the deposit an amount equal to the District Manager's estimate of the costs which the District Manager could reasonably expect to incur in remedying the Permittee's failure to meet a condition of this Permit, and
- (b) the costs incurred by the District Manager in remedying the Permittee's failure to meet a condition of this Permit are greater than the amount taken from the deposit,

the District Manager may take from the deposit an additional amount equal to the difference between the costs incurred by the District Manager and the amount originally taken from the deposit, and for that purpose a security included in the deposit may be realized.

5.09 Subject to the *Forest Practices Code of British Columbia Act* and the regulations made under that Act, the Crown will return to the Permittee the deposit, less deductions made under paragraphs 5.04 and 5.07, when:

- (a) this Permit expires, or is surrendered; and
- (b) the District Manager is satisfied that the Permittee has fulfilled all obligations under or in respect of this Permit.

5.10 Amounts taken under part 5.00 from the deposit are in addition to and not in substitution for any other remedies available to the Crown in respect of a default of the Permittee.

5.11 The Permittee agrees that **\$2,000,000.00** of the deposit paid will be used for the purpose of:

- (a) satisfying a claim made by the owner of personal property, other than the Permittee or the Province, who has property situated on the permit area; and
- (b) covering the costs resulting from a failure of the Permittee to meet the conditions of this Permit.

5.12 If the Permittee fails to meet a condition of this Permit or damages the personal property referred to in paragraph 5.11, the District Manager may take from the deposit referred to in paragraph 5.11 an amount estimated by the District Manager to be required in order to fulfil the conditions of the Permit or restore the damage to the property.

6.00 LEGISLATIVE FRAMEWORK

6.01 This Permit is subject to:

- (a) the *Forest Act*;
- (b) the *Forest Practices Code of British Columbia Act*;
- (c) the *Forest and Range Practices Act*;
- (d) the *Mining Right of Way Act*;
- (e) the *Nisga'a Final Agreement*
- (f) the *Wildfire Act*; and
- (g) the regulations and standards made under those Acts.

6.02 The Permittee must:

- (a) comply with the Acts, regulations and standards referred to in section 6.01 and any other applicable legislation
- (b) ensure that its employees, agents and contractors comply with these Acts, regulations and standards when engaging in or carrying out activities or operations under or associated with this Permit.

6.03 Nothing in this Permit is to be construed as authorizing the Permittee to engage in any activities or carry out any operations otherwise than in accordance with the requirements of the Acts, regulations and standards referred to in section 6.01.

7.00 NOTICE

7.01 A notice given under this Permit must be in writing.

7.02 A notice given under this Permit may be:

- (a) delivered by hand;
- (b) sent by mail;
- (c) Email address; or
- (d) subject to paragraph 7.05, sent by facsimile transmission;

to the address or facsimile number, as applicable, specified on the first page of this Permit, or to such other address or facsimile number as is specified in a notice given in accordance with this part.

7.03 If a notice is given under this Permit, it is deemed to have been given:

- (a) if it is given in accordance with subparagraph 7.02 (a), on the date it is delivered by hand;

- (b) if it is given in accordance with subparagraph 7.02 (b), subject to paragraph 7.04, on the eighth day after its deposit in a Canada Post Office at any place in Canada;
 - (c) if it is given in accordance with subparagraph 7.02 (c), subject to paragraph 16.05, on the date it is sent by email; and
 - (d) if it is given in accordance with subparagraph 7.02 (d), subject to paragraph 7.05, on the date it is sent by facsimile transmission.
- 7.04 If, between the time a notice is mailed in accordance with subparagraph 7.02 (b) and the time it is actually received, there occurs a postal strike, lockout or slowdown that might reasonably affect delivery of the notice, the notice is not deemed to be given until the party actually receives it.
- 7.05 If a notice is sent by facsimile transmission, the party sending the notice must take reasonable steps to ensure that the transmission has been successfully completed.
- 7.06 Either party may, from time to time, advise the other party by notice in writing, of any change of address or email address of the party giving such notice and, from and after the giving of such notice, the address specified will, for purposes of this Licence, be considered to be the address of the party giving such notice.

8.00 MISCELLANEOUS

- 8.01 Upon termination or cancellation of this Permit:
- (a) title to all improvements that are fixed to the Crown land under this Permit, shall vest in the Crown without compensation to the Permittee; and
 - (b) the Permittee must not remove any improvements unless authorized to do so by the District Manager.
- 8.02 This Permit will enure to the benefit of, and be binding on, the parties and their respective heirs, executors, successors and permitted assigns.
- 8.03 Any power conferred or duty imposed on the District Manager under this Permit may be exercised or fulfilled by any person authorized to do so by the District Manager.
- 8.04 In building, modifying, maintaining and using the road under this Special Use Permit, the Permittee must:
- (a) obtain the necessary permits or authorization for the crossing of alienated lands including but not limited to powerlines, pipelines, railroads, public roads, mineral claims, Agricultural Land Reserve's;
 - (b) obtain the necessary permits or authorization from other resource agencies.

- 8.05 Subject to the prior approval of the District Manager, the Permittee must ensure that any gate shall not be, or become, a hazard to the users of the road. The gate must be placed in a conspicuous location, adequately marked with permanent reflective material to be clearly visible to the operator of a motor vehicle from a safe stopping distance. Warning signs must be located to give vehicle operator's adequate warning of the obstruction.
- 8.06 Where the Permittee desires industrial users of the road to announce their position and direction of travel by means of radio, the Permittee must post the radio frequency at the start of the road, together with kilometre markers along the road to enable all industrial users of the road to use the posted radio frequency in the appropriate manner.

9.00 LIABILITY AND INDEMNITY

- 9.01 Subject to Paragraph 9.04, the Permittee will indemnify the Crown against and save it harmless from all claims, demands, suits, actions, causes of action, costs, expenses and losses faced, incurred or suffered by the Crown as a result, directly or indirectly, of any act or omission of:
- (a) the Permittee;
 - (b) an employee of the Permittee;
 - (c) an agent of the Permittee;
 - (d) a contractor of the Permittee who engages in any activity or carries out any operation, including but not restricted to the Permittee's operations, under or associated with this Permit; or
 - (e) any other person who on behalf of or with the consent of the Permittee engages in any activity or carries out any operation, including but not restricted to the Permittee's operations, under or associated with this Permit.
- 9.02 For greater certainty, the Permittee has no obligation to indemnify the Crown under Paragraph 9.01 in respect of any act or omission of:
- (a) an employee, agent or contractor of the Crown, in the course of carrying out his or her duties as employee, agent or contractor of the Crown; or
 - (b) a person, other than the Permittee, to whom the Crown has granted the right to use or occupy Crown land.
- 9.03 The Crown is not liable to the Permittee for injuries, losses, expenses, or costs incurred or suffered by the Permittee as a result, directly or indirectly, of an act or omission of a person who is not a party to this Permit, including but not restricted to an act or omission of a person disrupting, stopping or otherwise interfering with the Permittee's operations under this Permit by road blocks or other means.
- 9.04 Paragraph 9.01 does not apply to an act or omission which is a direct response to, and complies with, an order made by a Ministry employee or another officer of the Crown.

- 9.05 Amounts taken under Part 5.00 from the deposit and payments required further to the indemnity referred to in Paragraph 9.01, are in addition to and not in substitution for any other remedies available to the Crown in respect of a default of the Permittee.

10.00 INTERPRETATION

10.01 In this Permit, unless the context otherwise requires:

- (a) "*Forest Act*" means: the *Forest Act*, R.S.B.C. 1996, c. 157, as amended from time to time, or the successor to this Act, if it is repealed;
- (b) "*Forest and Range Practices Act*" means: the *Forest and Range Practices Act*, S.B.C. 2002, c. 69 as amended from time to time, or the successor to this Act, if it is repealed;
- (c) "*Forest Practices Code of British Columbia Act*" means: the *Forest Practices Code of British Columbia Act*, R.S.B.C. 1996, c. 159, as amended from time to time, or the successor to this Act, if it is repealed;
- (d) *Wildfire Act* means: the *Wildfire Act*, SBC 2004 c. 31, as amended from time to time, or the successor to this Act, if it is repealed;
- (e) *Mining Right of Way Act* means: the *Mining Right of Way Act*, R.S.B.C. 1996, c. 294, as amended from time to time, or the successor to this Act, if it is repealed;
- (f) "person" includes a corporation and a partnership.

10.02 Unless otherwise provided in paragraph 10.01, if a word or phrase used in this Permit is defined in the *Forest Act*, *Forest Practices Code of British Columbia Act* or the *Forest and Range Practices Act*, the definition in the Act applies to this Permit, and where the word or phrase in the Act is replaced by a new word or phrase, this Permit is deemed to have been amended accordingly.

10.03 In this Permit, unless the context otherwise requires:

- (a) the singular includes the plural and the plural includes the singular; and
- (b) the masculine, the feminine and the neuter are interchangeable.

10.04 This Permit is divided into parts, paragraphs, subparagraphs, clauses and subclauses, illustrated as follows:

1.00 part;

1.01 paragraph;

(a) subparagraph;

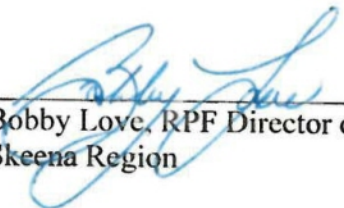
(i) clause;

(A) subclause;

and a reference to a subparagraph, clause or subclause is to be construed as a reference to a subparagraph, clause or subclause of the paragraph, subparagraph or clause, as the case may be, in which the reference occurs.




Permittee



Bobby Love, RPF Director of Authorizations
Skeena Region



Date signed



Date signed

SCHEDULE "A"

Plan of Use

- 1.0 "Plan of Use"(Table of Concordance), as received **April 8, 2015**, is referenced in Section 2.00 "Conditions and Requirements" of this Special Use Permit.

Submitted to: **Ministry of Forest Lands and Natural Resource Operations
Skeena Stikine Forest District
Bag 6000, 3333 Tatlow Road
Smithers, British Columbia V0J 2N0**

Submitted by: **Pretivm Resources Inc.
Suite 2300, Four Bentall Centre
1055 Dunsmuir Street
Vancouver, British Columbia
V7X 1L4**

This "Plan of Use" (Table of Concordance) and the content of the individual sections, which may be amended from time to time, will act as an integral part of this Special Use Permit.

2.0 Reference Report as noted in Section 2.00 (Conditions and Requirements) of this Special Use Permit, (Brucejack Mine Access Road Review by Ministry of Forests, Lands and Natural Resource Operations- Geohazards and Geomorphology Review)

Completed by Matt Sakals, PGeo PhD (Research Geomorphologist) and Alexandre Bevington, (Research Earth Scientist).

3.0 Reference Memorandum as noted in Section 2.00 (Conditions and Requirements) of this Special Use Permit, (Proposed Upgrades to Newhawk Road for Emergency Response Requirements)



MEMORANDUM

To: Jennifer Stalker, Project Manager, MFLNRO

Cc: Genevieve Patterson, Project Coordinator, MFLNRO
Max Holtby, Director Permitting
Sylvia Van Zalingen, Regional Manager Permitting

From: Joseph Ovsenek, Executive Vice President and Chief Development Office, Pretivm

Date: April 8, 2015

**SUBJECT: Brucejack Access Road Special Use Permit Application Requirements –
Tables of Concordance**

Pretium Resources Inc. (Pretivm) is applying for a Special Use Permit (SUP) for:

- Conversion of the authorization for the existing Brucejack Access Road from Mines Act Permit MX-1-832 to SUP;
- Upgrades to the Brucejack Access Road to support development and operation of the Brucejack Gold Mine.

The enclosed Tables of Concordance (Tables 1 & 2) were developed as per discussions between Pretivm and the BC Ministry of Forests, Lands and Natural Resource Operations (MFLNRO) Major Project Office following the Ministry of Energy and Mines (MEM) decision to not authorize the Brucejack Access Road under the same *Mines Act* permit as the Brucejack Gold Mine development. Rather than have Pretivm prepare new documentation (i.e. Special Use Permit application to permit the Brucejack Access Road), MEM and MFLNRO Major Project Office determined that referencing the existing information in the *Mines Act and Environmental Management Act* Permits application submission through the use of Table of Concordances would be acceptable. The Tables of Concordance were developed using guidance provided to Pretivm by MFLNRO on March 17, 2015.

Electronic files that support the Table of Concordances and Pretivm's application for a Special Use Permit for the Brucejack Access Road include:

Special Use Permit Application: Brucejack Access Road

- SUP shape file (final file pending)
- LiDAR contour data (narrow coverage), Orthophotos with contours (wider coverage)
- As built drawings for the existing Brucejack Access Road (0 to 58.6 km) and 2014 upgrades to Wildfire Hill

The as-built drawings prepared by Cypress Forest Consultant's Ltd. (Cypress) include Cypress recommendations for road improvements. Pretivm subsequently retained Allnorth Consultants Ltd. (Allnorth) to prepare the detail design for road improvements. A preliminary plan for road improvements that incorporates some of the Cypress recommendations and preliminary changes from Allnorth (Figure 1) has been developed. Detailed design is in progress and until that process has been completed, the details around the proposed upgrades cannot be confirmed.

Description of Project:

The Brucejack Access Road is an existing 75.3 km road that starts at Highway 37, at approximately km 216, and travels generally westward to Brucejack Lake. The road consists of the following sections:

- km 0 to 35: all-weather road completed in 2011 to 2013;
- km 35 to 58.6: all-weather road existing prior to 2011;
- km 58.6 to 70.9: traverse across the main arm of the Knipple Glacier; and
- km 70.9 to 75.3: Lakeshore Drive.

The Special Use Permit application includes the all-weather portion of the existing road from 0 to 58.6 km, plus the 12 km Knipple Glacier crossing. Lakeshore Drive, km 70.9 to 75.3, will be covered under a *Mines Act* permit.

The Brucejack Access Road was constructed as a temporary, all-season exploration access road to provide access to the Brucejack mineral exploration site. Some upgrade work was completed at km 2 to km 3 on Wildfire Hill during 2014 (Appendix A). Additional upgrades are proposed to improve safety and to handle the higher traffic loadings from both construction and operations activities associated with the development of the Brucejack Gold Mine Project. Upgrades will include an increase in design speed to 40 km/h where possible, minor re-alignments of the sharper curves, reductions of the steeper grades, the addition of pullouts, and surfacing of some sections. Design will also take into consideration borrow and quarry sources required to complete upgrade work. Construction issued drawings are not be available at this time; these drawings will be available within the next several months.

Special Use Permit Application: Brucejack Access Road

The Brucejack Access Road is gated and access will continue to be controlled through a manned security gate during the life of the mine, as per Environmental Assessment Certificate (EAC) # M15-01 Condition No. 8. Authorized users that will be granted access are as defined in the Traffic and Access Management Plan, EAC #M15-01 Condition No. 7. The EAC and Table of Conditions are provided in Appendix B.

Planned Use and Life:

The Brucejack Gold Mine Project will have four phases:

- 1) 2-year Construction phase;
- 2) 18-year Operations Phase;
- 3) 3-year Closure phase; and
- 4) 5-year Post-closure phase.

The Brucejack Access Road will be decommissioned once it is determined to no longer be needed for the Project.

Survey and Design Standards:

The existing Brucejack Access Road was designed to specification noted in the MFLNRO engineering manual current at the time of the design. Design upgrades will be in substantial conformance with standards provided in the most recent version of the Forest Service Engineering Manual.

Assessments:

The original road design was approved by the Ministry of Energy and Mines in May 2010 and is included under *Mines Act* Permit No. MX- 1-832.

The Brucejack Gold Mine Project was issued a provincial Environmental Assessment Certificate on March 26, 2015. During development of the Environmental Assessment Application data related to wildlife and wildlife habitat, archaeological heritage resources, terrestrial ecosystems including - wetlands, rare plants, invasive plants, metals in soils and plants, aquatic resources, meteorological conditions, geohazards and risk assessment, hydrology, surface water quality, fish resources and fish habitat, ML/ARD and traditional and non-traditional land use were collected within the access road corridor and has been considered in the proposed upgrades (e.g. installation of toad tunnels during road upgrades). Additionally, environmental management plans / component plans have been developed that take into consideration the Brucejack Access Road (e.g. Wildlife Management Plan, Traffic and Access Management Plan).

Special Use Permit Application: Brucejack Access Road

Records of Referrals:

For the proposed upgrade work, no referrals have been made for the SUP application to agencies other than MFLNRO, although there has been an extensive referral process through the EAC review process, except Pretivm has recently applied for an Occupant Licence to Cut (OLTC) to cover areas not covered under the existing OLTC (L48433), i.e. km 35 to 58.6 of the road. The proposed upgrade work does not include any work in or about streams therefore no related referrals are anticipated.

Signing Company Officer:



Joseph J. Ovsenek, P. Eng., LLB
Executive Vice President and Chief Development Officer, Director
Pretivm Resources Inc.

Table 1: SUP Application Requirements - Table of Concordance

SUP Application Requirement	Application Section Reference
<p>A Application cover page including:</p> <ul style="list-style-type: none"> • description of the project, • planned use and life, • survey and design standards that apply, • statement by a company officer with respect to other assessments (e.g. archaeological, wildlife) that have been considered and results incorporated into the design. • The company officer shall also provide records of referrals made to other agencies (e.g. stream crossings, junction permits, water permits etc.) Company officer may rely on a coordinating professional to ensure that this work is carried out however the cover page must be signed by a person who has authority to sign on behalf of the company and committing the company to following through on the plan. 	<p>The final application submission will be accompanied by the signature of a company officer.</p>
<p>B Survey and designs and drawings shall be prepared and be in substantial conformance with standards provided in the most recent version of the Forest Service Engineering Manual (available online at: http://www.for.gov.bc.ca/hth/engineering/documents/publications_guidebooks/manuals_standards/Eng-Manual.pdf). Government review of a design or drawing does not imply or constitute any sort of approval of the design or drawing.</p>	<p>The original road design, completed by Cypress, was designed to specification noted in the MFLNRO engineering manual current at the time of the design. Upgrades to Wildfire hill in 2014 were in conformance with the recent version of the Forest Service Engineering Manual, as will be the proposed upgrades.</p>
<p>C A digital shape file defining the required corridor width including the geographic point of commencement and termination and any extra widening to accommodate the road prism, for pits and quarries and areas for end haul disposal or other lay down areas that are required for related road construction activities.</p>	<p>Shape file is being finalized and is forthcoming for screening of application.</p>
<p>D Terrain hazard mapping along the corridor identifying Class 4 and 5 terrain plus any other geo hazards (e.g. alluvial fans, ARD evaluation, glacio-marine, highly erodible soils) that affect design or construction.</p>	<p>Appendix 3-O Brucejack Project Geohazard and Risk Assessment, BGC, 2014; Sec 2.2.4.2.1.4 Brucejack Access Road Avalanche Hazards</p>
<p>E Air photos providing stereo coverage and showing the road corridor and geohazards (Lidar for the area of the</p>	<p>Pretivm has provided LiDAR contour data from July 2014 with this document (narrow coverage)</p>

Special Use Permit Application: Brucejack Access Road

SUP Application Requirement	Application Section Reference
geohazards assessment should be considered as supplemental information).	and air photo orthophoto coverage with contours from 2010 (wider coverage) .
F Road plan and profile and right of way drawings.	Pretivm will provided 2013 as-built drawings for the existing Brucejack Access Road (0 -58.6 km) and the 2014 Wildfire Hill upgrades.
G Geometric road design including plan, profiles and cross sections of the road where it crosses terrain hazards identified in (d) and on slopes greater than 50%.	Pretivm has provided with this document, as-built drawings for the existing Brucejack Access Road and a statement of conformance for the Wildfire Hill upgrades (between km 2 and km 3); redesign for the planned road improvements / upgrades will be submitted to MFLNRO when completed.
H Stream classification of all stream crossings are to be shown on the road plan.	Stream classifications are shown on the as-built drawings for the Brucejack Access Road.
I Provide site plans and general arrangement (conceptual) drawings for all bridges and major culverts showing design loading, road and stream grades, bridge length or culvert size, design flow and design high water and clearance.	No upgrades to any existing bridge crossings are planned, nor will any major culverts will be installed as part of the upgrades.
J Application for Occupant Licence to Cut or Free Use Permit.	Pretivm has an existing OLTC (L48433) that covers the existing access road from 0-35 km, and has recently applied for an OLTC to cover areas to be upgraded from 36-59 km (L50221). NOTE: The OLTC file shapes will not match the SUP shape file.
K Upon completion of construction (or annually if the work is completed in sections) as built drawings and general conformance of construction documents shall be prepared and submitted for all bridges and major culverts and any road segments where terrain hazards were identified as per (d) noting any modifications required during construction and any special maintenance requirements recommended as part of the general conformance documents.	Requirement acknowledged

Special Use Permit Application: Brucejack Access Road

SUP Application Requirement	Application Section Reference
L Items (d) (g) (i) (k) shall be prepared by a member of the Association of Professional Engineers and Geoscientists of British Columbia.	Requirement acknowledged. As-built drawings for existing Brucejack Access Road have been signed by qualified registered professional.
M Design as per (b) shall be prepared based on ground survey and signed and sealed by an appropriate qualified professional. Any drawings submitted as part of the application shall be stamped as "Issued for Construction".	Requirement acknowledged. As-built drawings for the existing Brucejack Access Road have been signed by a qualified registered professional. Upgrades to the existing road will also be signed by the appropriate professional.
N If the survey and design as indicated in (m) above are not issued for construction then the permittee will be required to have the project supervised by an Engineer of Record and the Engineer of Record must sign off on the completed construction. As built drawings will be required following completion of construction or annually if the project is completed in sections. As Built drawings and report will specifically be required for the following: Final bridge and major culvert installation. A report and supplemental drawings shall be provided for construction on Class IV and v terrain and for slopes greater than 50 percent.	Permittee acknowledges this requirement. "Issued for Construction" drawings for upgrades to the existing road will not be available for the final application submission. A drawing of planned upgrades to the Brucejack Access Road (0-59 km) is attached with this memo (Figure 2) and can also be found in Sec 3.7.8.1 - Mine Access Road Overview. The Knipple Glacier crossing is discussed in Sec 3.7.8.2 Knipple Glacier Road.
O Applicants should include pertinent portions of the Environmental Assessment Certificate or refer to the appropriate portions of the EA Certificate to allow the District Manager to determine that the application complies with requirements set out in the EA Certificate. Where an applicant has entered concurrent permitting it may not be possible to submit this information at the time of the application for the SUP. This information must be submitted to the District Manager before the permit is issued to allow for incorporation of any pertinent conditions into the SUP authorization.	EA Certificate # M15-01 Condition No. 7 (Traffic and Access Management Plan, Condition No. 8 (construct and operate a barrier on the access road that will restrict public access), Condition No. 14 (prepare a Wildlife Management Plan that includes a Wildlife Collision Protocol), and Condition No. 1 (prepare and submit an Environmental Management Plan) applicable to the SUP. The certificate and conditions is appended with this document.

Table 2: SUP Application Supplements - Table of Concordance

SUP Application Supplements	Application Section Reference
<p>1 Archaeological Assessment – including all camp areas, borrow pits and any other area that will be disturbed</p> <ul style="list-style-type: none"> • Chance Find Plan – signed off by First Nations will be required before any works commence 	<p>Appendix 6-K Heritage Management Plan (Chance Find Procedure included in Appendix A of the Heritage Management Plan) – the Chance Find Procedure has been included in numerous applications submitted by Pretivm and consulted on with First Nations.</p>
<p>2 Information shared with First Nations about the proposed road access and any responses received from First Nations, this will allow MFLNRO to assess whether consultation requirements have been met or if further consultation by government is required.</p>	<p>This information is being compiled and will be amended to Appendix E when available.</p>
<p>3 Consultation with other users i.e. guide outfitters, trappers, mining claim holders, grazing tenure holders, etc.</p>	<p>This information to be included in final application submission.</p> <p>The exploration access road was permitted under a Notice of Work application submitted by Silver Standard Resources in Ministry of Energy and Mines in 2010 (Permit No. MX-1-832). The application was accompanied by a letter dated March 3, 2010 from the Skii km Lax Ha Nation stating they had worked with Silver Standard during the design and initial layout of the proposed road and that TU/TK information was considered in the initial layout. They also state that they support the construction of the proposed road.</p>
<p>4 A road deactivation plan and cost estimate for deactivation should be provided as required.</p>	<p>Sec 5.8.5 Detailed Five Year Mine Reclamation Plan – Lower Brucejack Access Road Improvements</p> <p>Sec 5.12.2 Lower Brucejack Access Road (reclamation of borrow pits and quarries)</p> <p>Sec 5.14.2 Brucejack Access Road (road reclamation)</p>

Special Use Permit Application: Brucejack Access Road

SUP Application Supplements	Application Section Reference
	Sec 9 Closure, Reclamation and Monitoring Cost Estimates
<p>5 An operational plan that addresses (as required) maintenance, access management, spill contingency, erosion control, communications plan and an avalanche control.</p>	<p>Appendix 6-F Traffic and Access Management Plan – this plan addresses access control, communications, and maintenance</p> <p>Appendix 6-N Spill Response Plan</p> <p>Appendix 6-G Construction Environmental Management Plan (Appendix D of this document contains the Surface Erosion Prevention and Sediment Control Plan); additionally site specific EPSC prescriptions will be developed before construction, as required.</p> <p>Appendix 6-A Geohazards Management Plan</p> <p>Appendix 6-E Preliminary Avalanche Hazard Management Plan for Mine Construction and Operations</p>
<p>6 Notice to Commence construction (at least 3 days prior), monthly updates and revisions to the construction schedule.</p>	<p>Requirement acknowledged</p>
<p>7 Reclamation works (s) i.e. grass seeding, invasive plant control</p>	<p>Sec 5.8.5 Detailed Five Year Mine Reclamation Plan – Lower Brucejack Access Road Improvements; Sec 5.14.2 Brucejack Access Road (road reclamation)</p>
<p>8 Any other conditions as set out in the EA process or through the MDRC process (i.e. Wildlife Management and Monitoring Plan, Environmental Management, Supervision and Monitoring Plan, ML/ARD Sampling and Testing Plan, Fisheries Management and Mitigation Plan).</p>	<p>Appendix 6-S Wildlife Management Plan</p> <p>Appendix 6-M ML/ARD Management Plan (refer to Sec 5.5 and 6.7). Note: ARD work to support detailed design is ongoing.</p>

Figure 1: Allnorth Consultants Limited

Appendix A:
Wildfire Hill Road Design Checklist and
Statement of Road Construction Conformance



Road Design Specification			
301-7 St. Paul Street West, Kamloops, BC V2C 1E9 Phone: 250-374-5331			
Date Received:	17 Apr 2014	Project Number:	14-KM-0019
Client:	Pretium Resources Inc.	Billing Group:	300
Client Contact Name:	Ian Chang, P. Eng.	Project Name:	Brucejack Access Road
Design Due Date:		Project Manager:	Sandy Kent
Designer:	Kathy Kemball / Geoff Mitchell	Design Engineer:	Lyle Unwin, P. Eng., RPF

Design Specifications				
Length of Road:	Varies		Design Speed:	40 km/h
Running Surface Width:	5m min.		Maximum Grade (Adverse/Favorable):	+/- 10%
Right of Way Width:	n/a		Turnout Size:	9m width x 30m length plus 5m taper
Minimum Cross Drain Culvert Size / Spacing:	600mm	Varies	Turnout Spacing:	3/km
Ditch Type (V, Flat):	Flat		Overland Fill Depth:	n/a
Ditch Depth / Width:	0.8m	0.3m	Stripping Depth:	n/a
Develop Borrow/Waste Pits (Y/N):	Yes. See as-built geometric road design by others.		Surfacing Depth:	0.3m
Borrow/Waste Pit Interval:	See above. To be determined and confirmed.		Cut Slopes (h:v):	1.5:1 (granular soil) 0.25:1 (rock)
Data Source:	Various.		Fill Slopes (h:v):	1.5:1 (granular soil) 1.33:1 (rock)
Geotech Report (Y/N):	Yes. Wildfire Hill only.		Crest / Sag K Value:	4.04.0
Geotech Engineer:	BGC Engineering Inc.		Surfacing Structure:	200mm pit run gravel
Surface Cross Slope / Crown:	Crown: +/- 2%		Design / AutoTurn Vehicle:	BCL-625 Alberta WB23 modified

Comments
Ultimate crest and sag value to be determined based on design speed and A. LVC < SSD. Cross drain spacing to be determined based on road gradient, material, and topography.

Senior Peer review	
All comments, issues, and concerns of this Senior Peer Review have been addressed and closed out.	
Senior Peer Reviewer:	Signature:
Date:	



vegetate for several years till it is stable. The slough material from within the ditch line should be excavated and hauled to a waste site where it can be contoured and re-vegetated.

5 ENVIRONMENTAL

The environmental issues related to the Project were mainly caused by the topography and the geology of the area. Sensitive riparian areas such as Wildfire Creek and an adjacent flood plain were located downhill, of extended areas of disturbed soil with steep slopes which were vulnerable to erosion. Measures were taken to prevent erosion and sedimentation into riparian area.

The TNDC crew worked in collaboration with the EM to fix problems as soon as they were identified. Tsetsaut Ventures Limited (TVL) staff also assisted the EM with the reclamation of the area (seeding and covering seeds with straw). TVL are responsible for the maintenance of Wildfire Hill after the construction completion.

The Final EM report can be found in Appendix C

6 STATEMENT OF ROAD CONSTRUCTION CONFORMANCE

Wildfire Hill Re-Alignment Pretium Resources Inc. – Brucejack Project Access Road

I am a Registered Forest Technologist, registered with the Association of British Columbia Forest Professionals, and have reviewed available reports, documents and completed a site visit to review the as built road in the field, and have completed a review of the project with the Qualified Registered Professional responsible for all the field and office reviews required with respect to the construction of this road.

In my professional opinion, road construction was carried out:

- In general conformance with the approved design and drawings, and any substantial changes were reviewed and agreed to by the designer of the road; and
- Without material and adverse effects on forest and other resources, and met the objectives established for this road in the road site plan.

ALLNORTH CONSULTANTS LIMITED

Prepared By:



Rod McDonald
Project Coordinator

Reviewed By:

Sandy Kent
Division Manager

Special Use Permit Application: Brucejack Access
Road

Appendix B:
Environmental Assessment Certificate # M15-01 and
Conditions (Schedule B)

**In the matter of the
ENVIRONMENTAL ASSESSMENT ACT
S.B.C. 2002, c. 43
(Act)**

and

**in the matter of an
Application
for an
Environmental Assessment Certificate
(Application)**

by

**Pretium Resources Inc.
(Proponent)**

for the

Brucejack Gold Mine Project

ENVIRONMENTAL ASSESSMENT CERTIFICATE # M15-01

Whereas:

- A. The Proponent proposes to construct an underground gold and silver mine, as described in Schedule A to this Certificate (Project);
- B. On February 6, 2013, a Project Lead of the Environmental Assessment Office (EAO) issued an Order under Section 10(1)(c) of the Act stating that an environmental assessment certificate was required for the Project and that the Proponent could not proceed with the Project in the absence of an assessment;
- C. The assessment of the Project was conducted from February 6, 2013 to March 6, 2015, and included consultation with Aboriginal Groups and the public respecting the Application;
- D. Compliance with this Certificate, including its conditions, will be monitored by the staff of EAO, partner agencies, and others who have been authorized to inspect under the Act;
- E. On March 6, 2015, pursuant to Section 17 of the Act, the Executive Director referred the Application, the Assessment Report and his recommendations to the undersigned; and
- F. The undersigned have considered the Application, the Assessment Report; and, the recommendations of the Executive Director.

Now Therefore:

We issue this Environmental Assessment Certificate to the Proponent for the Project as described in Schedule A, subject to the following conditions and the conditions set out in Schedule B.

Conditions

Definitions:

"Aboriginal Interests" means asserted or determined Aboriginal rights, including title, and treaty rights.

"Holder" means the Proponent or, if this Certificate has been transferred in accordance with Section 5, the person to whom the Certificate has been transferred in accordance with Section 5.

Compliance Reporting

1. The Holder must submit a report to EAO Compliance and Enforcement staff on the status of compliance with the conditions of this Certificate, and the conditions in Schedule B, at the following times:
 - a. one month prior to substantially starting construction of any of the Project facilities;
 - b. one month prior to operations;
 - c. on or before January 31 in each year during which the Project is being constructed; and
 - d. on or before January 31 every 5 years starting the first year of operations.

EAO may adjust or extend this reporting requirement by providing written notice to the Holder.

2. The Holder must notify EAO Compliance and Enforcement staff in writing one month prior to commencing construction and three months prior to commencing operations, decommissioning and abandonment phases of the Project.
3. The Holder must provide any document or information requested by EAO for the purposes of compliance inspection and verification.
4. Should the primary contact for the Project change, the Holder must notify EAO Compliance and Enforcement staff, in writing, within 30 days and provide the physical address, email address and phone number(s).

Transfer of Certificate

5. (1) Except as provided below, neither this Certificate nor any interest in it may be transferred to any person.
- (2) A transfer of this Certificate will only be effective if the proposed Holder acknowledges that, upon transfer, it will be responsible for complying with the conditions of the Certificate, and both the proposed Holder and the Holder;
 - a. obtain consent for the transfer from the Executive Director prior to completing the transfer transaction;
 - b. apply under Section 19 of the Act for such amendments to this Certificate, if any, as the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer; and
 - c. confirm by written notice to the Executive Director, within 14 days of the completion of all aspects of the transfer transaction other than this notice, that the transfer has been completed.
- (3) An interest in this Certificate may be transferred by way of a grant of security to lenders or financiers without consent.

- (4) A transfer to a trustee in bankruptcy, by a receiver or a trustee in bankruptcy pursuant to a court approved sale or as part of a court approved arrangement under the *Company Creditors Arrangement Act* may occur without consent.
- (5) If this Certificate is transferred without consent, pursuant to Sections 5(3) or (4), the new and former Holder must notify the Executive Director within 30 days of the transfer and apply within the time specified by the Executive Director for any amendments to this Certificate that the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the completed transfer.

Transfer of Interest in Project

6. (1) Except in connection with the granting of security to Project lenders or financiers, prior to the Holder transferring a significant interest in the Project, the Holder and proposed transferee must:
 - a. obtain consent for the transfer from the Executive Director.
 - b. apply under Section 19 of the Act for such amendments to this Certificate, if any, as the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer.
- (2) A transfer to a trustee in bankruptcy, by a receiver or a trustee in bankruptcy pursuant to a court approved sale or as part of a court approved arrangement under the *Company Creditors Arrangement Act* may occur without consent.
- (3) If a significant interest in the Project is transferred without consent pursuant to Section 6(2), the Holder must notify the Executive Director within 30 days of the transfer and apply within the time specified by the Executive Director for any amendments to this Certificate that the Executive Director deems necessary to ensure compliance with and enforceability of this Certificate and to otherwise reflect the proposed transfer.

Changes to Schedule A Under Section 19(5) and (6) of the Act

7. (1) The Holder may submit a written request to the Executive Director seeking a determination by the Executive Director that one or more proposed changes to the Project activities, components and/or locations described in Schedule A (Project Activities) are not material in nature.
- (2) In determining whether any changes to the Project Activities proposed by the Holder are not material in nature, the Executive Director may consider, among other things:
 - a. if the change request concerns the location of Project components, the proximity of the proposed location to the location referenced in Schedule A;
 - b. the purpose of the proposed changes to Project Activities described in the change request;
 - c. whether the proposed activities were considered in any regulatory or approval process that concluded after the date of this Certificate;
 - d. whether or to what extent the proposed activities or similar activities were considered in the Application and assessment;
 - e. whether, after any consultation with Aboriginal groups undertaken by the Holder or any further such consultation directed or undertaken by the Executive Director, the proposed activities may adversely affect Aboriginal Interests that were not (i) considered in the Application and assessment, or (ii) considered in any regulatory or approval processes that concluded after the date of this Certificate; and

- f. whether and to what extent the conditions in this Certificate constitute practical means of preventing or reducing any potential adverse effects that will, or are reasonably likely to, result from the proposed activities.
- (3) If the Executive Director determines that the proposed changes to the Project Activities are not material in nature, then the Executive Director may make a decision regarding an amendment of Schedule A pursuant to Section 19(3) of the Act.
- (4) If the Executive Director determines that the proposed changes to the Project Activities are material in nature, then the Holder must apply to the Executive Director to amend Schedule A pursuant to Section 19(1) of the Act.

Duration of Certificate

8. For the purpose of Section 18(1) of the Act, the deadline is 5 years from the date set out below.



Honourable Mary Polak
Minister of Environment



Honourable Bill Bennett
Minister of Energy and Mines

Issued this 26th day of March, 2015

SCHEDULE B

TABLE OF CONDITIONS

Definitions

Aboriginal Groups	Nisga'a Nation (as represented by the Nisga'a Lisims Government (NLG)), Tahltan Nation, Tsetsaut/Skil km Lax Ha (TSKLH).
Ancillary Infrastructure	Project infrastructure components including, the Brucejack Access Road, Brucejack Transmission Line, Bowser Aerodrome, Knipple Glacier Transfer Area, Tide Staging Area, as described in the Certified Project Description, and any other infrastructure, not located on the Mine Site, permitted by Relevant Regulatory Authority (RRA) during the life of the Project.
Application	Application from Holder to the Environmental Assessment Office (EAO) applying for an Environmental Assessment Certificate, pursuant to Section 16 of the Environmental Assessment Act, submitted August 13, 2014.
Brucejack Access Road	73 kilometre (km) access road, including a 12 km glacier road, that runs from the intersection of Highway 37 to the Mine Site.
"in consultation with"	<p>A consultation process pursuant to which:</p> <ul style="list-style-type: none">• the Holder must consult with the RRA referred to in the relevant Condition on content of the plan, program or strategy contemplated therein;• EAO may seek input from such RRA on whether the content of the plan, program or strategy satisfies the requirements of the relevant Condition, and EAO may seek a recommendation from the RRA on whether to accept the plan; and• if the RRA indicates, prior to commencement of Construction or any project phase, to EAO that such plan, program or strategy does not satisfy the requirements of the relevant condition:<ul style="list-style-type: none">i. EAO may provide the Holder and the RRA with the opportunity to make submissions to EAO on this issue; andii. EAO may, in its sole discretion, determine whether such plan, program or strategy satisfies the requirements of the relevant condition and may require the Holder to revise such plan, program or strategy and carry out further consultation, in either case on the terms and conditions specified by EAO.
Certificate Information	Summaries, reports or any other documentation related

	to the Environmental Assessment Certificate including, but not limited to the Environmental Management Plan (EMP) and Component Plans.
Component Plan	A plan that includes objectives, actions, monitoring and reporting mechanisms to mitigate potential Project effects that becomes part of the EMP once approved by EAO or RRA.
Construction	All activities associated with the construction of the Project including, but not limited to, any physical alteration to the Project Area by the Holder for the purposes of site preparation and any other activities that modify the land, vegetation, or natural environment for the purpose of developing and constructing Project components. For purposes of the Conditions, Construction does not include any investigative use or testing, conducted under a permit or authorization specifically for investigative purposes.
Knipple Transfer Area	Project infrastructure components listed under Section 1.2.4 of the Certified Project Description.
Local Study Area	Local study area (LSA) used for socio-economic effects assessment that includes: <ul style="list-style-type: none"> • Nisga'a villages (Gitlaxt'aamiks, Gitwinksihlkw, Laxgalts'ap, and Gingolx); • the Tahltan Indian Reserve communities of Telegraph Creek (Telegraph Creek 6 and 6A, and Guhthe Tah 12), Iskut 6, and Dease Lake 9; • Hazelton and New Hazelton; • Tsetsaut/Skii km Lax Ha; • the District of Stewart; • the Town of Smithers; • the City of Terrace; and • unincorporated communities of Dease Lake.
LSA Contractors	Contractors that have a business address in the LSA.
Mine Site	Project infrastructure components listed under Section 1.2.5 of the Certified Project Description in addition to the portion of the Brucejack Transmission Line constructed on the Project's tenure granted by the <i>Mineral Tenure Act</i> .
Operation	The commercial operation date of the Project, which for purposes of the Environmental Assessment Certificate conditions, is the commissioning of the mill facility and processing of ore to produce concentrate for sale.

Project Area	The area defined in the Certified Project Description including the main camp, underground workings, ore processing facilities, water treatment plant, sewage treatment plant, access road, glacier road, transmission line, Knipple Transfer Area, Bowser Aerodrome and the Tide Staging Area used during transmission line construction.
Project Phase	One, or more, of five stages in the Project's lifecycle: pre-construction; construction; operations; closure; and post-closure.
Project Site	Project infrastructure components including, the Brucejack Access Road, Brucejack Transmission Line, Bowser Aerodrome, Knipple Glacier Transfer Area, Mine Site and Tide Staging Area, as described in the Certified Project Description, and any other infrastructure, permitted by Relevant Regulatory Authority (RRA) during the life of the Project.
Relevant Regulatory Authority	Provincial, Federal and/or Local government agencies with a regulatory mandate or interest relevant to the subject matter of the condition.
Province	Her Majesty the Queen in Right of British Columbia.
Qualified Professional (QP)	Persons who have training, experience and expertise in a discipline relevant to the condition, and who have been through a process administered by a professional association that evaluates their qualifications and confirms them as competent to perform work in their area of expertise.
Wildlife Collision Protocol	Protocol that require the Holder to monitor and report annually on Project-related vehicle collisions, including mortalities involving deer, black bear, grizzly bear, moose and mountain goat on the Brucejack Access Road.

Acronym	Term
ACP	Brucejack Gold Mine Project Aboriginal Consultation Plan, September 2013
AEMP	Aquatic Effects Monitoring Plan
AIDRP	Ancillary Infrastructure Decommissioning and Reclamation Plan
BC	British Columbia
EAC	Environmental Assessment Certificate
EAO	Environmental Assessment Office
EMP	Environmental Management Plan (including identified component plans)
ESEMP	Economic and Social Effect Mitigation Plan
FLNR	Forest Lands and Natural Resource Operations
HMMP	Hazardous Materials Management Plan
HSMP	Health Services Monitoring Plan
IEM	Independent Environmental Monitor
LSA	Local Study Area
MEM	Ministry of Energy and Mines
ML/ARD	Metal Leaching/Acid Rock Drainage
MOE	Ministry of Environment
NHA	Northern Health Authority
NHA BMG	Northern Health Authority's Best Management Guide for Industrial Camps
NMMP	Nass Moose Monitoring Program
NLG	Nisga'a Lisims Government
QP	Qualified Professional
RRA	Relevant Regulatory Authority
TAMP	Traffic and Access Management Plan
TSKLH	Tsetsaut/Skii km Lax Ha
WCP	Wildlife Collision Protocol
WMP	Wildlife Management Plan

No.	Condition
	GENERAL
1	<p>The Holder must prepare and submit an Environmental Management Plan (EMP), to the satisfaction of EAO, which applies to all Project Phases.</p> <p>The EMP, at minimum, must include the Component Plans listed in Appendix A.</p> <p>The EMP, at minimum, must include the mitigations identified in Chapters 29 and 30 of the Holder's Application.</p> <p>The Holder must implement the EMP according to timelines set by EAO. This can be no later than the commencement of Construction.</p>
2	<p>The Holder must prepare the Construction, Operations, Closure and Post-Closure Component Plans identified in Appendix A in consultation with, and to the satisfaction of, RRAs.</p> <p>Component Plans, at minimum, must include the following information:</p> <ul style="list-style-type: none"> • Purpose of Component Plan; • Performance objectives; • Effects mitigation measures; • Monitoring programs; • Monitoring schedules; and • Reporting requirements. <p>The Holder must consult with the NLG, Tahltan and TSKLH on the content and implementation of Component Plans in accordance with the ACP set out in Condition 5.</p> <p>The Holder must implement Component Plans according to timelines set by RRAs. This can be no later than the commencement of Construction.</p>
3	<p>The Holder must retain the services of a QP, with demonstrated experience and knowledge of environmental monitoring for mine construction projects in BC, to the satisfaction of EAO, as an Independent Environmental Monitor (IEM). The IEM must report independently to EAO and RRAs.</p> <p>The Holder must ensure that the IEM has the authority to ensure that all activities outlined in the EMP are implemented as approved in Component Plans. The Holder must ensure that the IEM's terms of engagement require the IEM to conduct site inspections at a frequency and schedule that is acceptable to RRAs. The Holder must give the IEM the authority to stop work if the IEM determines the Holder has not, or may have not, complied fully with Certificate conditions.</p> <p>The Holder must ensure that the IEM prepares and submits reports on its compliance with the terms and conditions of the Certificate, the EMP and Component Plans to EAO at a timeframe specified by EAO. The IEM must provide copies of the reports to the Holder and RRAs at the same time as it</p>

No.	Condition
	<p>provides copies to EAO.</p> <p>The IEM must notify EAO and RRAs within 24 hours if it determines the Holder has not, or may have not, complied fully with Certificate conditions. EAO may direct the Holder to retain a new IEM if the IEM does not meet this reporting timeline.</p> <p>The Holder must retain the IEM prior to the commencement of Construction and remain employed by the Holder for the duration of construction Project Phase.</p>
4	<p>The Holder must provide monitoring data from Component Plans to EAO or RRAs to inform government-initiated cumulative effects assessments that include the Project area at the request of, and timeframes specified by, EAO or RRAs during the construction and operations Project Phases.</p>
5	<p>The Holder must prepare an ACP to identify how the Holder will share information and consult with Aboriginal Groups related to mitigation measures, monitoring, adaptive management and compensation programs.</p> <p>The Holder must consult with NLG, Tahltan and TSKLH on the content and implementation of the ACP.</p> <p>The Holder must submit the updated ACP to EAO no later than 30 days prior to the commencement of Construction.</p> <p>The Holder must implement the ACP prior to commencement of Construction. The ACP applies to Construction, Operation, and Closure Project Phases.</p>
6	<p>The Holder must provide certificate information to EAO, or an entity specified by EAO, in a digital format acceptable to, and within a timeframe specified by EAO.</p>
	<p>ACCESS MANAGEMENT</p>
7	<p>The Holder must prepare a Traffic and Access Management Plan (TAMP) that applies to the Mine Site and Ancillary Infrastructure in consultation with, and to the satisfaction of, FLNR and MEM. The TAMP must meet the Component Plan requirements set out in Condition 2.</p> <p>The TAMP must include:</p> <ul style="list-style-type: none"> • Provisions that define who is, and who is not, authorized to use the access road; • Measures to control and monitor vehicle speed against appropriate design speed limits; • Measures to control traffic noise; • Prescriptions of specific measures for safe vehicle travel across the Knipple Glacier including use of GPS navigation systems for haul vehicles, demarcating and maintain safe travel corridor, and conducting annual crevasse surveys; and • Provisions for monitoring and reporting hunting activities involving the access road and transmission line right-of-way to provincial authorities.

No.	Condition
8	<p>The Holder must construct and operate a barrier on the access road that will restrict public access across the bridge to the west side of the Bell-Irving River prior to commencement of access road upgrades or construction. Any such gate or barrier must be in place at any time that the access road is usable by a passenger or all-terrain vehicle, including snowmobiles, and must be staffed by personnel with the authority to grant or deny access based on provisions set out in the TAMP.</p>
	ECONOMIC AND SOCIAL EFFECTS
9	<p>The Holder must prepare a Health Services Monitoring Plan (HSMP) in consultation with NHA, and to the satisfaction of EAO. The HSMP, at minimum, must include:</p> <ul style="list-style-type: none"> • Project information as described in the NHA HSMP Best Management Guide for Industrial Camps (NHA BMG); • Project infrastructure information as described in NHA BMG; • Disease and infection prevention and outbreak protocol information as described the NHA BMG; • Health promotion, disease prevention and on-site wellness program information as described in NHA BMG; • Collaboration, communication and problem-solving process as described in NHA BMG; • Health service utilization information that tracks the number of times on-shift contract staff or employees residing at Project Sites use NHA services, including the type and duration of services used; and • A mechanism to report health utilization data to EAO and NHA on an annual basis. <p>The Holder must implement the HSMP prior to construction and comply with the HSMP during construction, operations and closure Project phases.</p>
10	<p>The Holder must prepare and submit an Economic and Social Effect Mitigation Plan (ESEMP) to EAO. The ESEMP, at minimum, must include:</p> <ul style="list-style-type: none"> • A communication protocol setting out how the Proponent will provide information to economic and social LSA communities, educational and training institutions, and Aboriginal Groups that, at minimum, includes frequency of communication and how the Proponent will respond to identified issues; • A Project development schedule; • A summary of Project contracting opportunities that, at minimum, includes availability, timing, how to bid, any special considerations for LSA contractors, and a Proponent contact for enquiries; • A summary of Project employment opportunities that, at minimum, includes availability, timing, necessary qualifications, how to apply, special considerations for LSA residents, and a Proponent contact for enquiries; • A strategy that outlines what actions the Proponent will take to support Project-related training programs in regional education and training institutions; and • A Project contractor and employee transportation schedule to advise

No.	Condition
	<p>local government and emergency services in transportation hub communities when to expect increased numbers of transient workers.</p> <p>The Holder must consult with NLG, Tahltan and TSKLH on the content and implementation of the ESEMP in accordance with the ACP.</p> <p>The Holder must implement the ESEMP prior to Construction and comply with the ESEMP during the construction and operations Project Phases.</p> <p>The Holder must prepare and submit an ESEMP Report to EAO, Aboriginal Groups and LSA communities no later than January 31 each year during the construction and operation Project phases.</p> <p>The Holder must update the ESEMP no later than April 1 each year during construction and operations Project phases.</p>
	WATER EFFECTS
11	<p>The Holder must provide the results, analyses, and interpretation of test work conducted to demonstrate the effectiveness of all components of the construction and operations water treatment plants, to the satisfaction of EAO, MEM and MOE, prior to Construction related to the Mine Site.</p>
12	<p>The Holder must complete the interpretation of groundwater conditions to increase confidence in the following predictions:</p> <ul style="list-style-type: none"> • Groundwater inflow rates during operations; • Post-closure groundwater flow rate through the underground workings, and associated rate and area of contact-water discharge to surface water; and • The time required for the underground workings to flood during the closure period. <p>The evaluation, at minimum, must include the following components:</p> <ul style="list-style-type: none"> • Interpreted hydrogeological cross section along a flow path from the underground workings to the interpreted area(s) of groundwater discharge after closure; • Improvements to and/or sensitivity analysis of the groundwater-model calibration to the magnitude and direction of vertical and lateral hydraulic gradients, and the amplitude of transient response to seasonal recharge and underground dewatering; and • Associated sensitivity analysis with respect to predictions. <p>The Holder must provide the evaluation, to the satisfaction of EAO, MEM and MOE, prior to Construction related to the Mine Site.</p>
13	<p>The Holder must continue annual glacier ablation monitoring and reporting according to its current practice. The Holder must provide results to EAO, FLNR, MEM, MOE and Aboriginal groups no later than March 31 of each year during the construction, operations and closure Project Phases.</p>
	WILDLIFE AND WILDLIFE HABITAT
14	<p>The Holder must prepare a Wildlife Management Plan (WMP) that applies to</p>

No.	Condition
	the Mine Site and Ancillary Infrastructure in consultation with, and to the satisfaction of, FLNR and MEM. The WMP must meet the Component Plan requirements set out in Condition 2. The WMP must include a WCP. The Holder must implement the WCP.
15	<p>Before the start of Construction, the Holder must enter into a contribution agreement with the Province as represented by the Minister of FLNR that will set out the terms of the Holder's participation in a program of activities that supports the recovery, conservation and management of the Nass moose population (the Nass Moose Management Program or NMMP). The Holder must abide by the terms of the Contribution Agreement.</p> <p>The NMMP may include any measures that support the recovery, conservation and management of moose population in the Nass Valley, and, without limitation, may include:</p> <ul style="list-style-type: none"> a) The development and implementation of population, habitat and access management measures that support the conservation and recovery of Nass moose; b) Education and communication, inventory, monitoring, collection of harvest data, signage and programs to increase knowledge of human interactions with moose; and c) Administration of such activities. <p>The Contribution Agreement will require the Holder to contribute up to the following amounts to the Province's costs of implementing the NMMP:</p> <ul style="list-style-type: none"> a) \$7,500 payable as early as the date (the "Brucejack Access Road Start Date") of any physical alteration, including site preparation, to the Brucejack Access Road right of way made for the purpose of improving the Access Road; and b) an amount ("Annual Contribution") consisting of \$3,000, plus an adjustments for inflation and Project Vehicle Wildlife Incidents referred to below, payable as early as on the first and every subsequent anniversary of the Access Road Start Date until FLNR determines that the Holder has commenced permanent closure and decommissioning of the Project. <p>Where the Province has not incurred expenses in implementing the NMMP and invoiced the Holder at the earliest payable date set out above the Contribution Agreement will allow those amounts that have not been invoiced, together with interest accruing on them, to be carried over and invoiced at a later date in addition to the Annual Contribution for a particular year.</p> <p>The Annual Contribution will be adjusted by an inflation factor based on the increase in the British Columbia Consumer Price Index from the date of the issuance of the Environmental Assessment Certificate (EAC).</p>

No.	Condition
	<p>Five years after the first shipment of concentrate from the ore processing complex, and every five years after that date, the Annual Contribution will be adjusted by an amount determined by the Province to reflect any increase or decrease in moose accidents caused by Project vehicles along the Brucejack Access Road ("Project Vehicle Wildlife Incidents"). However, in no circumstance shall the Annual Contribution be less than \$3,000 plus any adjustment for inflation and BC Consumer Price Index as described above.</p> <p>The Contribution Agreement may require the Holder to review, prepare, comment on, or otherwise participate in the preparation and presentation of draft plans, final plans, and reports regarding the NMMP.</p>

APPENDIX A: COMPONENT PLANS

PLANS	RELEVANT REGULATORY AUTHORITY
Aboriginal Consultation Plan	EAO
Air Quality Management Plan	MOE
Ancillary Infrastructure Decommissioning and Reclamation Plan	FLNR/MEM
Aquatic Effects Monitoring Plan	MOE
Chemicals and Materials Storage and Handling Plan	MEM/MOE
Economic and Social Effect Mitigation Plan	EAO
Heritage Management Plan	FLNR/MEM
Health Services Monitoring Plan	EAO
Invasive Plants Management Plan	FLNR/MEM
Preliminary Avalanche Hazard Management Plan for Mine Construction and Operations	FLNR/MEM
Metal Leaching and Acid Rock Drainage (ML/ACD) Management Plan	FLNR/MEM
Mine Emergency Response Plan	MEM
Reclamation and Closure Plan	MEM
Soils Management Plan	FLNR/MEM
Spill Response Plan	MEM/MOE
Tailings and Subaqueous Waste Rock Deposition Management Plan	MEM
Traffic and Access Management Plan	FLNR/MEM
Vegetation Management Plan	FLNR/MEM
Waste Management Plan	MOE
Water Management Plan	MEM/MOE
Wildlife Management Plan	FLNR/MEM



File 19545-60/L50280

July 21, 2015

Max Holtby
Pretium Resources Inc.
1600-570 Granville Street
Vancouver, British Columbia
V6C 3P1

Email mtholtby@pretivm.com

Dear Max Holtby:

I have enclosed your Occupant Licence to Cut (OLTC) L50280. Please sign and Witness the two copies of the Licence and return them to the Smithers office, Attention: Gisela Varga, Authorizations Clerk. A completed Document will be sent to you once the District Manager signs it.

For your information OLTC L50280 is a Volume Based Tenure and the rate is determined as per the agreed upon Alternate Method of Scale approved for Section 6-7 of the Interior Appraisal Manual (Effective July 1, 2014).

Based on the approved procedures for the alternative form of scale, we provide the following information:

Coniferous Volume - Average Sawlog stumpage Rates by Smallest Geographic Unit – Nass TSA
(Table 6-3 of Interior Appraisal Manual May1, 2015)

<https://www.for.gov.bc.ca/hva/manuals/interior.htm>

Northern Interior Silviculture Levy North Area - As Per Timber Pricing Branch – Interior Basic Silviculture Costs April 2015 to be applied to coniferous volume.

<https://www.for.gov.bc.ca/hva/parameters.htm>

Example stumpage rate calculation based on rates effective for May 1, 2015 using Nass TSA and Table 6-3

Stumpage Rate for Coniferous Grade 1&2 = \$6.30 + \$3.26/m³ = **\$9.56/m³**

Stumpage Rate Coniferous Grade 4 = \$0.25/m³ + \$3.26/m³ = **\$3.51/m³**

Once you have submitted your volume table, within a year from today's date or as requested by the District Manager we will enter the harvest volume into the Harvest Billing System and generate an invoice. Please be aware, stumpage rates will be re-determined annually. The client number associated with the Licence holder will receive stumpage rated notifications.

Page 1 of 2

Ministry of Forests, Lands
and Natural Resource
Operations

Skeena Stikine Natural
Resource District

Location:
3333 Tatlow Road
Smithers, British Columbia
V0J 2N0
CANADA

Mailing Address:
Bag 6000
Smithers, BC V0J 2N0

Tel: (250) 847-6300
Fax: (250) 847-6353

To Pretium Resources Inc

If you have any questions regarding the Stumpage rate calculation or the Occupant Licence to Cut Document, please contact me at 250-847-6300 or email Bill.Borrett@gov.bc.ca.

Yours truly,

Bill Borrett RFT,
Authorization Technician

Enclosure: (2) Occupant Licence to Cut L50280

5 June 2015 — **INTERNAL**.

Brucejack Mine Access Road Review by Ministry of Forests, Lands and Natural Resource Operations – Geohazards and Geomorphology Review

We conducted an overview assessment on 19 – 21 May 2015 of the Brucejack Mine access road with specific attention to potential hazards to the environment as well as potentially overlooked geohazard elements. Progressing from Highway 37 towards the mine, the main issues of concern are:

1. Wildfire Hill (56.518N, 129.519W)

The bridge across Wildfire Cr at approximately 2 km (56.518N, -129.518) appears to be in an excellent location with a relatively narrow crossing with bedrock support on each bank. The road location on the mine side of the bridge traverses a steep sidehill where two through-cuts were required. Exposed cut slopes are on the order of 50 m long and very steep. This site appears to have been built according to the design provided by AllNorth (date: 22 July 2014). At the time of our assessment a number of issues were evident:

- The cutslopes are failing in many locations (Figure 1); they have filled the ditchlines and are causing issues for drainage control. The cutslopes are also encroaching on the running surface of the road. Failures are expected to continue into the future due to the steepness of the cuts, especially with road and ditch maintenance undermining the base of the slopes, as well as icing processes. Bio-slope stabilization methods were attempted with limited success. Further engineering measures could be employed to increase slope stability and reduce this chronic source of fine textured sediment delivery to the receiving aquatic environment.
- Small failures associated with hillslope adjustment are disrupting intended drainage pathways. Maintenance is required to maintain drainage pathways and prevent delivery of water to potentially dangerous locations; however, maintenance must not undermine cutslopes as this will likely contribute to further hillslope retrogression.
- Retrogression of the hillslopes has resulted in trees present right to the top edge of the cutslope. These trees are subject to windthrow and further disruption of the cutslopes.
- Winter road safety is actively managed through required check-ins and check-outs through the hazardous road segment as well as active avalanche control.
- Potential condition: The proponent should elevate the level of mitigation with respect to fine sediment production and subsequent delivery to the nearby stream

channel. A water quality monitoring site could be established to capture sediment derived from this exposed terrain.



Figure 1. Failing cutslopes are filling the ditchlines and producing fine textured sediment; a strict protocol is in place for reducing snow avalanche risk for this road section.

2. Drainage Control

Throughout much of the Wildfire area and into the Scott Cr drainage (3 – 35 km along the access road), the road generally has inadequate drainage. Although our assessment took place during a period of high flow (19 – 21 April 2015), the road drainage system should have been capable of conveying the runoff. We noted numerous locations where

blocked culverts resulted in water flowing away from its natural course down the ditchline (Figure 2); this can lead to drainage diversions, a common factor contributing to landslides and other erosion events. The cause appears to be the upgrades made to the original road; the new road subgrade is too wide for the original culverts and the fillslope materials extend over the culvert inlets in some cases. We also noted undersized (diameter) drainage structures and sites requiring structures where none were located.

The drainage issues should be remedied before mid-September when the first of the fall storms may arrive.

Further instances of inadequate drainage structures were noted past the Knipple Causeway; these should also be remedied.

- Potential condition: A government or third-party audit should be conducted during a high flow period to ensure major and minor drainage structures are adequate.



Figure 2. Drainage diversion occurring due to partially blocked culvert along the 3 – 35 km road section.

3. Wildfire Cr Bridge (52.66N 129.662W)

This bridge installation encroaches upon the wetted area of the stream. Remediation is not required as the stream is flowing from wetland complexes and is unlikely to transport much sediment which could lead to morphological changes that would challenge the bridge. The proponent should be aware that this may be required in the future and that a longer crossing structure will be required.

4. Scott Cr Fan Area (56.421N, 129.765W)

The access road crosses the Scott Cr fan ~500 m downstream from the fan apex. Streams have high probabilities of changing their channels on the active surfaces of fans. Bank height provides an indicator of the active surface, but it must persist until the apex of the fan or until reaching a confining hillslope or elevated fan surface. In this case, the bank heights in the vicinity of the bridge were reasonable (~1.3 m) but bank overtopping in conjunction with a debris jam is certainly conceivable. Unfortunately, about 350 m upstream from the bridge bank heights diminished to zero and the stream was above the surrounding fan surface (Figure 3); the water was staying in the established channel only because of the riparian forest influence. Beaver activity was also noted along the banks in this vicinity. Much evidence of overbank flow and sediment deposition was found throughout the left side of the fan upstream of the road.



Figure 3. Approximately 350 m upstream of the crossing, Scott Creek is positioned above the surrounding fan surface; there is also significant woody debris in the channel and beaver activity. This stream has a moderate probability of avulsion and a high likelihood of overbank flows.

The length of the crossing structure appears to be less than the normal channel width. This is an additional risk factor for the road on the fan.

The Scott Creek fan is adjacent and directly connected to the Bowser Delta, a location where sockeye salmon have been known to spawn.

Due to both the natural conditions on the Scott Cr fan and design elements of the road, there is a moderately high probability of a negative interaction between the stream and the road. Some degree of contingency should be incorporated into the road design such that natural hydrogeomorphic events have a lesser impact on the environment, worker safety, and haul road operations. Various methods may be employed to accommodate the probability of stream avulsion or overbank flows arriving at the road alignment, see Land Management Handbook 57 for initial guidance. Further consultation with FLNRO staff is also available.

Of additional note, the 'Hydrology Station' installed at the bridge site will suffer from errors due to the high-stage overbank flows noted above.

- Potential condition: Design and construct road features to prevent negative interactions between natural processes and the constructed road on the Scott Cr fan. OR Design road features to prevent negative interactions between natural processes and the constructed road on the Scott Cr fan and prepare to construct the design following a major event rather than reconstruct or defend the existing road, excepting routine maintenance (i.e., grading).

5. Bowser River Floodplain

The road alignment traverses across the Bowser River floodplain from ~39.5 km to ~60 km. In this section, the road generally has little relief above the active channel (Figure 4). Apparently, much of the disturbance on the floodplain is due to a jokulhlaup, or glacial outburst flood, that occurred in 1931 (Baseline Information of the Application) and the existing geomorphic conditions indicate that the stream is free to migrate about the floodplain. While the road material is good, and construction and re-construction is relatively straightforward, the road should not unduly confine the stream within the floodplain. Typically, it is only appropriate to defend roads against stream channels on floodplains where the road is at the margin of the floodplain or where other alignment constraints require it. In this situation, it is often inappropriate to locate the road at the margin of the floodplain due to the hillslope snow avalanche hazard. Therefore, a balance must be found between unnecessarily confining the floodplain and the snow avalanche risk. It is recommended that erosion protection works be permitted for defensible sections as the road alignment is in an appropriate location (Figure 5).

- Potential condition: No erosion protection works or bank defenses should be employed in the non-defensible segments. Instead, the proponent should identify the extent of snow avalanche risk that would be unacceptable without active avalanche management, an acceptable buffer based on the hazard may then be added and only along this alignment may erosion protection works be constructed. Road segments have been classified as defensible or non-defensible (Table 1 and Figure 6). Exceptions to the classification may be made on a case-by-case basis.



Figure 4. Photograph taken from the edge of the Bowser River looking back towards the vehicle on the mine access road.



Figure 5. Example of defensible road segment.

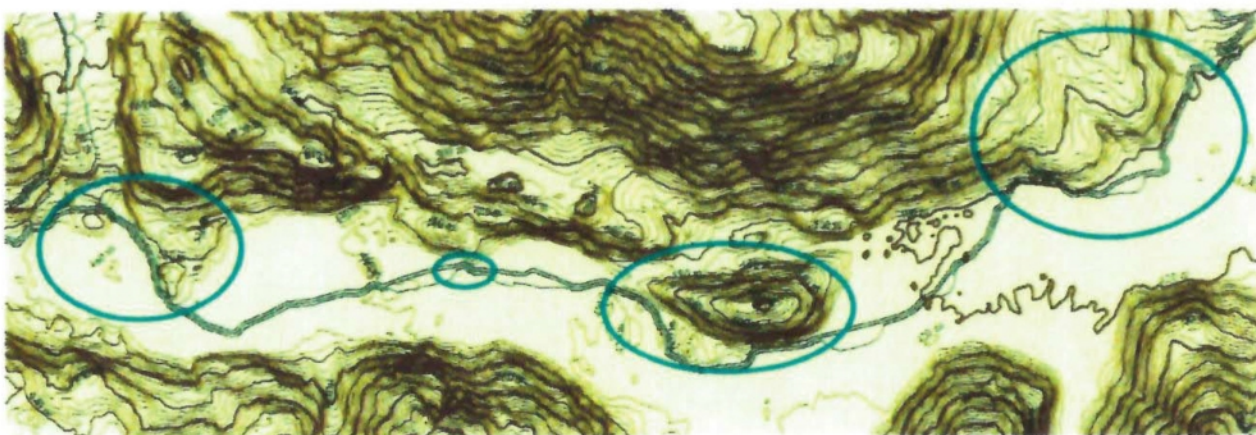


Figure 6. Approximate locations of defensible road sections (blue) along the ~35 – 55 km section.

Table 1. Road sections where erosion and bank protection works are supported (Yes) and those where road realignment should be considered (No).

From (Lat,Long)	To (Lat, Long)	Defendable
Highway 37	56.407N, 129.803W	Yes
56.407N, 129.803W	56.391N, 129.839W	No
56.391N, 129.839W	56.397N, 129.884W	Yes
56.397N, 129.884W	56.398N, 129.909W	No
56.398N, 129.909W	56.399N, 129.913W	Yes
56.399N, 129.913W	56.393N, 129.969W	No
56.393N, 129.969W	Mine	Yes

6. Bowser Camp Geohazard (56.393N, 129.949W)

It is our understanding that no specific geohazard assessment has been completed for the location of Bowser Camp; however, the Bowser airstrip has been the subject of geohazard evaluation and assigned a return period for flooding between 5 and 20 years and a High Facility Risk (Application Appendix 2-C). The camp would be in a higher hazard zone as it is closer to the river. Due to the configuration of the floodplain, the history of glacial outburst floods in the valley, and the presence of a camp, a geohazard assessment is overdue.

To serve as an example, during our field visit we identified an active landslide of significant size (800 m long by 700 m wide) in a tributary valley adjacent to the camp location yet just outside of the geohazard assessment area (Figure 6). The possibility of this landslide running out over the camp or blocking the river and causing the flooding or destruction of the camp is one such hazard that should be investigated. The camp may have to be re-located if the total geohazard risk is intolerable.

- Potential condition: Will this become a Lands tenure? Perform a comprehensive geohazard assessment for the Bowser Camp or commit to moving the camp to another suitably assessed location before the spring of 2016.



Figure 6. Aerial oblique photograph looking south at a large active landslide in a tributary valley; Bowser Camp is just visible in the lower left of the frame.

7. Knipple Glacier Outwash Crossing

Near to 54 km the access road crosses the outwash plain of the Knipple Glacier. This is a highly active hydrogeomorphic zone and thus the proponent should be prepared for high maintenance and possible rebuilding costs in this area. A recent rock avalanche occurred

near the toe of the glacier on the east side of the valley. Knipple Creek seems to run through the material with ease; however, such an event could have been more destructive if it would have impounded water. The proponent would be well served to ensure that all the existing structures (culverts and bridges) are properly maintained in order to maximize the resilience of the outwash crossing.

8. Glacier Road

The proponent has been using a glacier road for a few years and has developed operational protocols for safe glacier travel considering crevasses, mill wells (vertical tunnels carved by water and debris) and water flow on the glacier surface. The requirement for a high level of maintenance at the margins of the glacier road and throughout the traverse has been noted and is being applied. The proponent has also acquired staff with expertise in vehicular glacier travel. The long-term operational viability of the glacier road is not known, but will be watched with interest and we have interest in collaborating with the proponent on research related to the glacier dynamics both within the vicinity of the road and beyond. It is our opinion that the environmental effect of the road on glacial processes will be negligible but that monitoring of glacier mass balance and albedo should nevertheless be implemented because of the uniqueness of this road, globally.

- Potential condition: Annual reporting of glacier road conditions, problems and remediation, and glacier mass balance monitoring.

9. Snow Avalanches

Various snow avalanche hazards exist along the proposed SUP road alignment. The proponent has been actively managing these sites to mitigate the hazard over the past few winters and has developed strict operational policies in place to reduce the risk. We support the installation of the proposed automated explosion systems.

A realignment of the 'Lakeshore Drive' component of the access road that is on the Mines tenure is also supported as it will decrease the spatial exposure of the route to snow avalanche hazards. Similar to the access road, the proponent has been managing the snow avalanche risk at the mine site with appropriate diligence.

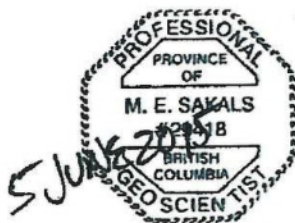
10. Erosion Event Reporting

In the interest of increasing our knowledge of earth surface processes and their interactions with land use, the following condition is meant to ensure reporting of significant erosion events, it is not expected that appropriate actions have been developed by the reporting deadline.

- Potential condition: In the case of erosion events of >50 m³ (landslide or fluvial erosion) or >5 m³ of soil material deposited directly into a stream (landslide), the proponent must provide details of the event, including coordinates and photographs, to the province within 48 hours. This erosion event information will be communicated to the province using the following email address:
Forests.SkeenaStikineDistrictOffice@gov.bc.ca

Thank you for the opportunity to review this mine access road and mine site area, we hope this brief report will assist both the government and the proponent manage the road. Please contact us with any questions.

Sincerely,



Matt Sakals, PGeo PhD
Research Geomorphologist
Province of British Columbia



Alexandre Bevington
Research Earth Scientist
Province of British Columbia



Memorandum

2011 PG Pulpmill Road, PO Box 968, Prince George, BC V2L 4V1 Phone: 250-614-7291

Date:	July 7, 2015	Project Number:	14KM0019
Attention:	Ian Chang / Sylvia Van Zalingen/Robin McCall	Project Description:	Newhawk Road Proposed Upgrades
Company:	Pretivm	File Number:	130
Phone:	778 238 6447	From:	Rod McDonald
Email:	IChang@pretivm.com SVanZalingen@pretivm.com RMcCall@pretivm.com	Email:	rmcdonald@allnorth.com
Copy To:	Sandy Kent, Jeff Katuski, Don Williams, file		

RE: PROPOSED UPGRADES TO NEWHAWK ROAD FOR EMERGENCY RESPONSE REQUIREMENTS

1 INTRODUCTION

Pretivm is currently developing the Brucejack Project which is located approximately 65 kilometers north of Stewart in northwestern British Columbia. Pretium is preparing an Emergency Spill Response Plan to address potential spills that may occur along the section of the Brucejack Access Road from 35 km to 59 km (Knipple Glacier), which travels in close proximity to the Bowser River and is completely within the Bowser River flood plain. The spill response plan includes the deployment of containment booms on the Bowser River and as such, Pretium has identified the need to re-activate the historic Newhawk Road which was constructed in the 1980s to access the Brucejack site. The road has been abandoned since the late 1980's.

The following describes the assumed upgrades that will be completed on the Newhawk road from 35 km on the Brucejack Access Road to the banks of the Bowser River.

2 ASSUMED UPGRADES TO THE NEWHAWK ROAD

The following outlines the assumed upgrades required to provide Spill Response vehicle access to the Bowser River along the Newhawk Road. For the purpose of this report all assumptions have been based on a minimal review of the initial 100 metres of the road from 35 km toward the river.

The road will be required to be traversed by typical ½ ton to 1 ton 4 X 4 pickup trucks, usually with an 8 foot box. The vehicle will be towing a trailer assumed to be ranging in length from 10 to 20 feet (includes the tongue). The trailers may carry supplies and or a rubber inflated boat.

The Newhawk Road has not been active since the late 1980's. The road is brushed in with Alder and Willow species and as such the road requires brushing to provide access for the typical vehicles required to respond to a spill. This work will be carried out by a crawler tractor of the D6 or D7 size. The intent is to clear a travel corridor of 7 to 8 meters in width. At the site where the road connects to Bowser Lake; immediately at the mouth of the Bowser River; a staging area will be cleared that is sufficient to stock pile materials and provide sufficient room to turn vehicles around safely.

It is assumed the running surface and all stream crossing structures are intact and no repairs or upgrades are required. Once the road is brushed out, an inspection of the crossing structures will be completed to confirm this assumption.

The entire road will also be assessed by a Certified Danger Tree Assessor once the right of way has been brushed out.

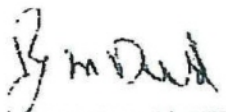
Any upgrades or stream crossing replacements required to be undertaken will comply with the current legislation requirements and follow best management practices outlined in the current Ministry of Forests, Lands and Natural Resources Operation, Forest Engineering Manual.

All new activities that expose mineral soil will have an approved grass seed mix applied in dry form immediately after work is completed.

3 ROAD REHABILITATION

At the completion of the Brucejack Project and the potential for spill response is negated, the Newhawk Road will be de-activated.

Prepared By:



Rod McDonald, RFT

Allnorth Consultants Ltd.

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Any opinions of probable cost provided in the report are based on Allnorth's experience and information available to Allnorth at the time such estimates are made. Client acknowledges that due to assumptions that must be made, Allnorth shall not be liable for the accuracy of such estimates.

EXHIBIT "A" MAP



MAP OF : 825923 (shown in bold black)			
FOREST REGION : RSK	TSA :	PULPWOOD AGREEMENT :	
FOREST DISTRICT : DKM	LAND DISTRICT : CASSIAR DISTRICT	MGT UNIT TYPE : TIMBER SUPPLY AREA	
ESF SUBMISSION ID : 1435642	SCALE : 1:100000 at C Size	MGT UNIT NO : 43	
BCGS MAPSHEET NO : 104B.050	Area (Ha) : 1133.787	DRAWN BY : FTA	
		DATE : Jul 07, 2015	
		UTM : 9	
		NAD : NAD83	

Legend	
	Timber Application
	Timber Road Application
	Roaded Timber Road
	P & C
	P & T
	Timber Feature
	Range
	PTA
	Provincial Forest
	Forest Service Road
	Highway
	Intersected Road
	New Section Road
	Recreation Trail
	Road Permit
	RDP Road
	Right of Way
	Section 8 C/P Road
	Section 1 Timber Point
	Crown
	Waterbody
	Headwater
	Contour Interval
(1133.787 Ha)	
PwC1 UTM9 447817, 6240853	
PwC2 UTM9 453260, 6253545	
PwC3 UTM9 453332, 6253476	
PwC4 UTM9 437648, 6251280	
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Drawing 10.405	

