



Energy, Mines and Resources
Box 2703, Whitehorse, Yukon Y1A 2C6
Mineral Resources Branch (K-9)
Mining Lands

March 31, 2017

File No: **LP01143**

Richard Zimmer
Box 381
Dawson City, YT Y0B 1G0

Dear Sir/Madam:

Re: Placer Mining Land Use Approval

Your application for a Class 3 approval has been approved:

- As submitted.
- Subject to the attached conditions.
- Subject to security deposit as received.

The effective date of this approval will be March 31, 2017. All work, including restoration, must be completed by March 30, 2027, and inspected before full security and/or completion certificates can be applied for.

The attached 'Operational Guidelines' offer additional mitigations that would enable you to maximize the environmental performance of your program and alleviate concerns of other stakeholders.

Please contact our office at (867) 993-5343 should you have any questions.

Regards,

Derek Fraser
Chief, Mining Land Use

cc: EMR Natural Resources Officer, Compliance Monitoring and Inspections
ENV Environmental Affairs, Environmental Protection Branch
Trish Olson, Map It Out Ltd., agent

LP01143 - Richard Zimmer

OPERATIONAL GUIDELINES

- Placer exploration activities should follow acknowledged Best Management Practices for Heritage Resources; two relevant examples are:
 - *Yukon Placer Mining Best Management Practices for Heritage Resources:*
www.tc.gov.yk.ca/pdf/Placer_Mining_BMP.pdf
 - *Tr'ondëk Hwëch'in Best Practices for Heritage Resources:*
www.trondek.ca/downloads/THBestPractices.pdf
- The operator should incorporate the best management practices (BMPs) found in Environment Yukon's "*Best Management Practices for Works Affecting Water in Yukon.*"
- The Operator should familiarize themselves with Yukon Invasive Species and how to manage them by referring to the Yukon Invasive Species Council document "*Why Should I Care About Invasive Species?*"
- The operator should report the presence of any invasive plants that are listed on the website <http://www.env.gov.yk.ca/wildlifebiodiversity/invasiveplants.php> to the Yukon Conservation Data Centre at (867) 667-5331 or toll free at 1-800-661-0408 local 5331.
- The operator should carry their Tr'ondëk Hwëch'in (TH) Access Notice Certificate when crossing Settlement Land, or at the very least, keep it on location at the mine site.
- A reminder that on TH's Settlement Land parcel R-66A, TH retains the right to the timber. Any timber cut to clear the trail on R-66A should be left stacked near the trail for TH to collect.

**MINING LANDS
MINERAL RESOURCES BRANCH
GOVERNMENT OF YUKON**

Pursuant to the *Placer Mining Act* and the Placer Mining Land Use Regulation, the Chief, Mining Land Use hereby grants a Class 3 approval to:

Richard Zimmer
Box 381
Dawson City, YT Y0B 1G0

APPROVAL NUMBER: LP01143
PROJECT NAME: Hale Creek
UNDERTAKING: Placer
CLASS: Class 3 Approval
EFFECTIVE DATE: March 31, 2017
EXPIRY DATE: March 30, 2027

This approval shall be subject to the restrictions and conditions contained herein and to the restrictions and conditions contained in the *Placer Mining Act* and the Placer Mining Land Use Regulation made thereunder as proposed in Mining Land Use Application LP01143.

Dated this 31st day of March, 2017



Derek Fraser
A/Chief, Placer Land Use

CLASS 3 PLACER MINING LAND USE APPROVAL LP01143 - Richard Zimmer

SCOPE OF APPROVAL: Claim Status Report (Appendix A)
Exploration Activity Report (Appendix B)

LOCATION: 116B04, Hale Creek

Definitions

“**Act**” means the *Placer Mining Act*, SY 2003, c.13; SY 2013, c.18;

“**Operator**” means a person who is engaging in an operation;

“**Chief**” means Chief of Placer Land Use, pursuant to the Act.

“**Effective date**” means the date this Approval comes into force as evidence by the date of the signature of the Chief;

“**Site**” means the area bounded by the sum of the mineral claims described above under ‘Scope of Approval’;

“**Inspector**” means an inspector designated pursuant to the Act;

“**Access road**” means a road that provides access to a public highway or to a private road

“**Isolated road**” means a road that does not provide access to a public highway directly or through a private road.

“**Road**” means a pathway for vehicular traffic the construction of which requires the movement of rock or earth.

“**Trail**” means an access to a site within a claim or lease that is constructed with little or no movement of rock or earth.

“**Upgrading**”, in relation to road, means re-establishing a road that has not been useable for more than five years by vehicles of a type the road was originally designed to serve, modifying a road to provide usability for vehicles that are of a different type than those the road was originally designed to serve and any other upgrading or modifying of a road, other than for maintenance or erosion control.

PART ONE – GENERAL REQUIREMENTS

Duration of Approval

1. This Approval is valid upon signature of the Chief until the expiry date. In the event that mineral titles lapse, or that agreements to operate on mineral titles are dissolved, the Approval becomes null and void for that portion of the operating plan, where there is no right to the minerals.
2. All outstanding reclamation continues to be the responsibility of the operator.

Compliance with Operating Conditions

3. All operating activities must comply with the Operating Conditions contained in Schedule 1 of the Placer Mining Land Use Regulation. These Operating Conditions are enforceable.

PART TWO - REPORTING REQUIREMENTS

Contact Numbers/Planning and Communication

4. Submissions and reports to the Chief should be made in duplicate to the following addresses:

Chief, Mining Land Use Box 2703, K-9 Whitehorse, Yukon Y1A 2C6	Mining Lands Officer Box 249 Dawson City, YT Y0B 1G0 dawson.mining@gov.yk.ca
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5. The contact for the Operator will be:
Richard Zimmer
Box 381
Dawson City, YT Y0B 1G0
6. All spills must be reported immediately to the 24-Hour Yukon Spill Reporting Line (867) 667-7244 and to the Mining Inspections Division at (867) 993-7300.
7. An operator who takes an emergency remedial measure shall, as soon as possible but not later than 10 days after taking it, send a written report to the Chief describing the duration, nature and extent of the emergency and the measures taken to respond to it.
8. The operator shall contact Dawson Mining Inspections Division at (867) 993-7300 at least 14 days prior to commencing the field season.
9. The operator shall contact Mining Inspections Mining Inspections Division: Dawson (867) 993-7300 at least 14 days prior to leaving the site at the end of the operation.

Heritage

10. All palaeontological resources uncovered during operations shall be reported to the Yukon Palaeontology Program, Government of Yukon in Whitehorse at (867) 667-8089 or (867) 667-5386.
11. All archaeological resources uncovered during operations shall be reported to the Yukon Archaeology Program, Government of Yukon in Whitehorse at (867) 667-3771 or (867) 667-5386.
12. Upon discovery of a heritage resource the operator shall notify the Heritage Department of Tr'ondëk Hwëch'in in addition to Government of Yukon, Chief of Mining Lands and Yukon Heritage.

13. The report developed for **Section 23**, shall be submitted to Government of Yukon – Mining Lands, Mineral Resources Branch and the Heritage Resources Unit, Cultural Services Branch.

Wildlife

14. All incidents with wildlife shall be reported to the District Conservation Officer in Dawson (Northern Region) at (867) 993-5492, and Tr'ondëk Hwëch'in Fish and Wildlife Branch at (867) 993-7100 ext. 115 as well as any other communication regarding wildlife.
15. Known golden eagle or peregrine falcon nesting sites shall be avoided by at least 1 km during the nesting period from June 1 to August 31.

PART THREE – TERMS AND CONDITIONS

Removal of Vegetative Mat

16. If the vegetative mat must be removed to carry out an operation, it must be removed so as to protect the seed and root stock contained within the mat and be stored separately from any overburden or bedrock removed for use in re-establishing the vegetative mat when the operation ceases.

Re-establishment of vegetative mat

17. All vegetated areas disturbed by operation activities, including fuel and waste storage areas, clearings, corridors, camps and supporting infrastructure, and trenches and drill site, must be left in a condition conducive to re-vegetation by native plant species or other species adaptable to the local environment to encourage re-vegetation comparable to similar, naturally occurring, environments in the area.
18. Conditions conducive to re-vegetation include provision of an adequate soil layer with moisture retaining ability, no soil contamination by hydrocarbons or other hazardous substances, provisions of adequate seed or root stock and contoured or otherwise stable slopes.
19. If adequate seed or root stock is not naturally available, re-seeding or transplanting of vegetation is required. Only non-invasive species may be used for re-seeding or transplanting. Consult with the Mining Inspector prior to seeding.

Erosion Control and Permafrost

20. All areas disturbed during an operation must be re-sloped, contoured or otherwise stabilized to prevent long term soil erosion, slumping and subsidence.
21. All activities must be carried out to avoid or minimize damage to and loss of permafrost.
22. The operator shall insulate the ground surface beneath all temporary structures and temporary facilities used in the project where permafrost is present to:
 - a) Prevent any vegetation from being removed, and

- b) Prevent the ground from settling or eroding.

Historic Objects and Burial Grounds

- 23. Areas with elevated potential for the presence of heritage resources are to be buffered from ground disturbing activities. If this is not possible, the operator shall complete a Heritage Resources Inventory Assessment in advance of ground disturbing activities in areas with elevated potential for the presence of archaeological or historic sites.
- 24. Operations must not be carried out within 30m of a known archaeological, palaeontological or burial site unless the Chief indicates, in writing, that such activities may be carried out.
- 25. Any sites containing archaeological objects or human remains, or burial sites discovered in the course of carrying out an operation must be immediately marked and protected from further disturbance and, and as soon as practicable, the discovery reported to the Chief. No further activities may be carried out within 30m of the site until the Chief indicates, in writing, that the activities may be resumed.

Disposal of Wastes/Cleanliness

- 26. All solid waste, including debris, equipment, barrels, drums, and scrap metal, must be safely stored on the site of the operation while the program is carried out and must be disposed of in accordance with the Solid Waste Regulations.
- 27. The operator shall keep all garbage, including kitchen waste, in a container that prevents access by bears and other wildlife, until properly disposed of in accordance with the Solid Waste Regulations.
- 28. When burning kitchen waste on site it must be burned regularly to reduce odours that might attract wildlife and be burned to ash by forced air or fuel fired incineration.
- 29. Campsites must be kept clean and tidy.

Fuel and Chemical Storage and Handling

- 30. All petroleum products, including waste petroleum products, and any other hazardous substances must be stored in a secure fashion no less than 30m from the ordinary high water mark of any water body.
- 31. All petroleum products, including waste petroleum products, and any other hazardous substances, must be transferred and handled without spillage.
- 32. All waste petroleum products and any other special waste, as defined in the Special Waste Regulations, generated in the course of carrying out the operation must be disposed of in accordance with the Special Waste Regulations when the program ceases.
- 33. The operator shall clearly identify the owner, the contents and the date on fuel drums to establish and manage ownership and responsibility.

Spills and Spill Contingency Plans

34. A spill contingency plan for petroleum products and other hazardous substances must be prepared and posted in the camp and at all fuel handling locations used in carrying out the operation.
35. All fuel spill equipment and materials must be maintained in a state of readiness sufficient at all times to contain and clean-up any hazardous materials spills.
36. If a spill occurs, the spill contingency plan must be immediately implemented and notice given to the 24-hour Yukon Spill Report Line. As soon as practicable, an inspector must be contacted. Whatever remedial action is required to clean-up the spill and reclaim the affected land and water must be taken.
37. The location of any spills shall be clearly marked with stakes or flags.

Use of Vehicles

38. Vehicles must be maintained and operated to prevent spills of fuel, lubricants, coolants and oil.

Timber and Brush

39. Cut brush must not be piled so that it blocks movement of wildlife or people.
40. Leaning trees created by the cutting of lines, corridors and clearings must be felled.
41. When it is economically viable to do so, timber suitable for sale must be salvaged and stockpiled.
42. All risk of fire hazard must be avoided.

Trenching

43. Trenching carried out by hand or using hand-held tools must be methodical.
44. All trenches must be stabilized and marked to minimize risk to the public.
45. Open trenches shall be sloped at one end to avoid entrapment of wildlife.
46. Trenches constructed with mechanized equipment must be back filled by first depositing any removed overburden and bedrock and then replacing the vegetative mat that was removed to construct the trench.
47. The operator must ensure that all employees and contractors working at the trench sites are aware of the operating conditions for trenching.

Roads, trails, and off-road/trail use

48. All vehicles must be operated to avoid rutting and gouging of roads and trails.
49. If rutting, gouging, ponding or permafrost degradation occurs off road or trail, vehicle use must be suspended or relocated to ground that is capable of bearing the weight of the vehicle without causing such damage and the former routes must be restored in compliance with the operating conditions for re-establishment of the vegetative mat and erosion control.
50. Use of skids on permafrost or wet ground is only permitted outside of winter where it is not reasonable to use any other means of transporting equipment.
51. Exploration and mining activities shall not impede access for other land users.

Release of sediment

52. All reasonable care must be taken in carrying out activities near or adjacent to a water body to prevent sediment from entering a water body, unless otherwise permitted by law.

Wildlife

53. If the Forty Mile Caribou Herd migrates into an active work area, the operator shall discontinue operations until the herd has left the area.
54. The operator shall minimize disturbance to caribou specific habitat (lichen) within the project area.

Security

55. Security may be required at any time by the Chief.

Reclamation

56. Reclamation shall be progressive in nature where possible and completed before expiry of the approval.

PART FOUR – FINAL DECOMMISSIONING

57. All petroleum products and any other hazardous substance must be removed from the site when the operation ceases.
58. All waste petroleum products and any other special waste, as defined in the Special Waste Regulations, generated in the course of carrying out the operation must be disposed of in accordance with the Special Waste Regulations when the program ceases.
59. Debris, equipment, fuel barrels, scrap metal and other waste at the work site shall be completely disposed of, so as not to attract wildlife, by removal to an authorized disposal site as often as is practicable throughout the mining season and completely at the cessation of the operation.

60. Structures must be removed and the site restored at the end of the operation to a level of utility comparable to its previous level of utility.
61. Final reclamation will occur prior to the expiry of the operation, according to standards outlined in the operating conditions for re-establishment of vegetative mat and erosion control.

PART FIVE – OTHER MATTERS

Applicable Laws

62. All other applicable legislation, regulations, laws, by-laws and ordinances must be complied with. Additional authorizations or approvals may be required. Any doubt as to whether an additional authorization or approval is required should be verified by a duly authorized official at the appropriate government body or bodies.
63. Notice of Schedule III must be provided to the Yukon Water Board ten (10) days prior to use of water.
64. Attached (Appendix B) is a list of the approved activities.
65. Attached (Appendix C) are the commitments that form part of this operating plan.

Claim Status Report

29 March 2017

Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	Excess NTS #'s	Grouping	Permit
P VV1	P 518853	2017/12/30	Veronica Verkley Richard Zimmer	50.00 50.00	0 116B03, 116B04		CIP00031

Criteria(s) used for search:

CLAIM DISTRICT: 1000002 CLAIM STATUS: ACTIVE & PENDING OWNER(S): ZIMMER RICHARD REGULATION TYPE: PLACER

Left column indicator legend:

- R - Indicates the claim is on one or more pending renewal(s).
- P - Indicates the claim is pending.

Right column indicator legend:

- L - Indicates the Quartz Lease.
- F - Indicates Full Quartz fraction (25+ acres)
- P - Indicates Partial Quartz fraction (<25 acres)

- D - Indicates Placer Discovery
- C - Indicates Placer Codiscovery
- B - Indicates Placer Fraction

Total claims selected : 1

Appendix B



MINING LAND USE
EXPLORATION and RELATED ACTIVITIES REPORT

March 30, 2017

LP01143

Richard Zimmer
Box 381
Dawson City, YT Y0B1G0

Class III
116-B-04 E

ELEMENT	CRITERIA	TERMS AND CONDITIONS
Nb of person days per camp		302 person days per year
Nb of persons in a camp at any one time		2 person camp, 1 pit privy
Use of Vehicles on Existing Roads or trails		snowmobile
Total volume of trenching		1000m ³ /yr (10 trenches - 30m x 3m x 4m, 9 hand shafts, drift expansion)
Fuel Storage in a facility		400L gasoline, 40L propane
Off Road use of vehicles in winter		snowmobile

CLASS 3 PLACER MINING LAND USE APPROVAL LP01143 - Richard Zimmer

Appendix C - Proponent Commitments

- The Proponent has prepared a Spill Contingency Plan outlining spill prevention and spill response procedures
- Regular maintenance of skidoos, skidders, jerry cans and equipment will be incorporated in operational practices
- Visual inspections are done during re-fueling to ensure no leaks are present
- Fuel transfer will be done at the work area at least 30 m from any watercourse or back at the camp in the refuelling/maintenance area
- Fuel will be transferred from the jerry cans by gravity feed to the generator
- A pit privy will be constructed and utilized for sewage waste
- Any scrap woods, paper, or cardboards will be incinerated in the wood stove or fire pit
- Waste fuel will be delivered to an approved recycling facility
- Jerry cans, propane cylinders, lube tubes and empty oil containers will be hauled out
- Will backfill trenches when documentation and mapping is complete, then contour the ground and cap with black dirt or organics
- Hand shafts will be reclaimed in the same manner (backfilled with organic material)
- The existing drift will be backfilled with all available material and left as found
- Any stockpiled timbers will be cut and dispersed to assist with re-vegetation
- Final reclamation will be undertaken
- Trenches and hand shafts will be bermed around the excavations to prevent wildlife from entering
- There will be an escape grade out of these devices to prevent wildlife entrapment
- As an additional precaution a board will be placed over top of excavation when it is not active
- Solid waste in the form of food or organics will be stored in a bear proof container potentially in a high cache or up a tree until hauled to landfill for disposal
- If trapping suddenly appears active in the region, communication between the two land users should prevent conflict
- Existing trails used to access the project claim will be left as they were found