



Department of Energy, Mines & Resources
PO Box 2703, Whitehorse, Yukon Y1A 2C6

February 21, 2024

Klondike Gold Corporation
2833-595 Burrard St.
Vancouver, BC
V7X 1J1

Dear Sir/Madam:

Re: Class 3 Quartz Mining Land Use Approval

Your application for a Class 3 approval has been approved and is subject to the attached conditions. The effective date of this approval will be February 22, 2024. All work, including restoration, must be completed by February 22, 2034, 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, but are not approval conditions.

Please ensure that pre-season and post-season reports are provided before and after each exploration season. Pre- and post-season reports assist the Mineral Resources Branch in monitoring exploration activity and reclamation. Not providing reports may result in additional security being required.

Please feel free to contact our office at 867-993-5343 should you have any questions.

Regards,

Paul Inglis
A/Manager, Mining Land Use

cc: EMR Natural Resources Officer, Compliance Monitoring and Inspections
ENV Environmental Affairs, Environmental Protection Branch



File No: LQ00589



MINING LANDS
MINERAL RESOURCES BRANCH
GOVERNMENT OF YUKON

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

Klondike Gold Corporation, 2833 – 595 Burrard St. Vancouver, BC, V7X 1J1, Canada

APPROVAL NUMBER:	LQ00589
PROPERTY NAME:	Quartz Property
UNDERTAKING:	Quartz
CLASS:	Class 3 Approval
EFFECTIVE DATE:	February 22, 2024
EXPIRY DATE:	February 22, 2034 or until another Quartz Mining Land Use approval is issued, whichever occurs first

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

Dated this February 22, 2024


Paul Inglis
A/Manager, Mining Land Use

**MINING LAND USE
APPROVAL
Class 3**

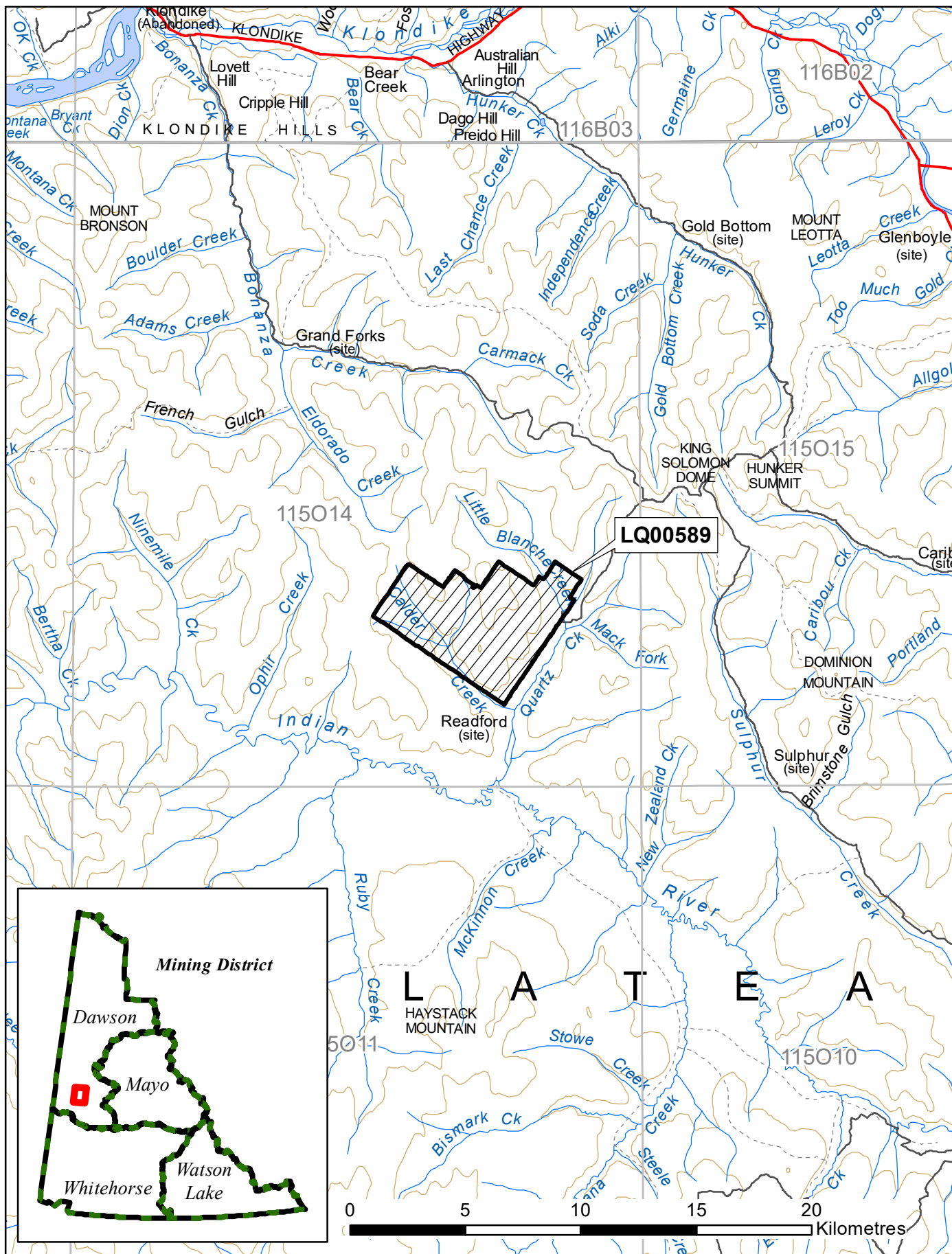
SCOPE OF APPROVAL:				
Claim Status Report (Appendix A)		LQ00589		
Operating Season	May 1 – October 20	HD03762		
PROJECT ACTIVITIES (ON-CLAIM):				
USE OF VEHICLES/EQUIPMENT				
Use of vehicles on existing roads or trails				<input type="radio"/> No <input checked="" type="radio"/> Yes
Hitachi 200 Excavator, operating weight of 41000lbs (for trenching); a D6 Cat bulldozer, operating weight of 36,000lbs (for drill pad construction); up to 4 skid-mounted diamond drills weighing up to 5 tons (for exploration drilling); up to 4 track mounted reverse circulation drills weighing up to 3 tons, brought in by tractor-trailer and used for exploratory drilling. Pick-up trucks under 4500kg, driven to site (for carrying crews to claims). All Terrain Vehicles and snowmobiles, under 600lbs, transported from Dawson to claims, via pick-up truck.		On-roads: less than 40 t, or within the design tolerances of the road	On-trails: Less than 20 t, or within the design tolerances of the trail	
Off-road use of vehicles in summer				<input checked="" type="radio"/> No <input type="radio"/> Yes
Off-road use of vehicles in winter				<input checked="" type="radio"/> No <input type="radio"/> Yes
NEW & EXISTING ACCESS				
Upgrading of existing access	<input checked="" type="radio"/> No <input type="radio"/> Yes	Length: 0 km	Width: 0 m	
New roads	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 5 km	Width: 4-5 m	
New trails	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 20 km	Width: 4-5 m	
New temporary trails	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 15 km	Width: 4-6 m	
Other new access: 15 New helicopter pads, 150m ² /each.				
LINES & CORRIDORS				
Lines	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 1000 km	Width: < 2 m	
Corridors	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 1000 km	Width: < 5 m	
SITE PREPARATION				
Number of clearings per claim: 80	Area: 35 000m ² vegetative mat removed 15 000m ² vegetative mat intact Total: 50 000 m ²			
Number of clearings for helicopter pads and camps: 150	Area: 2250 m ²			
Removal of the vegetative mat				<input type="radio"/> No <input checked="" type="radio"/> Yes
EXPLORATION TRENCHING & BULK SAMPLING				
Hand-dug				<input type="radio"/> No <input checked="" type="radio"/> Yes
Mechanized				<input type="radio"/> No <input checked="" type="radio"/> Yes
Number: 30	Length: 50 m	Width: 2 m	Depth: 1.5 m	Total volume: 150 m ³

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SCOPE OF APPROVAL:			
Claim Status Report (Appendix A)		LQ00589	
Operating Season	May 1 – October 20	HD03762	
Bulk sampling		• No <input type="radio"/> Yes	Amount/year: 0 tonnes
Explosives	• No <input type="radio"/> Yes	Total amount: 0 kg	Max. in 30 days: 0 kg
EXPLORATION DRILLING			
TYPE	NUMBER OF HOLES	DEPTH (m)	
Reverse Circulation	200	25 000	
Rotary Air Blast	200	25 000	
Diamond	500	60 000	
FUEL STORAGE			
FUEL TYPE	STORAGE TYPE & CAPACITY	TOTAL VOLUME	
P50	208L Drum	2080L	
Gasoline	208L Drum	416L	
Propane	2 x 465L Tank	946L	
Propane	946L Tank	946L	
FACILITIES & STRUCTURES			
Camp structures: None			
Number of persons in camp at any one time: 0		Number of person days: 0	
Construction of underground structures			• No <input type="radio"/> Yes
Amount per year: 0		Amount per program: 0	

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.

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DEFINITIONS

“**Act**” means the Quartz Mining Act, S.Y. 2003, c.14;

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

“**Adverse effects**” of an exploration program means its adverse environmental or socio-economic effects and any adverse effects it may have on the existing or asserted aboriginal or treaty rights of any First Nation;

“**Chief**” means the Manager, Mining Land Use designated pursuant to the Act;

“**Clearing**” means an area that is cleared of trees, brush or vegetative mat for the purpose of establishing a campsite or carrying out mining exploration, but does not include an area cleared for the purpose of establishing a corridor or trail;

“**Corridor**” means a path from which trees and brush have been cut to accommodate a water line, fuel line or power line;

“**Effective date**” means the date this Approval comes into force as evidenced by the date of the signature of the Manager, Mining Land Use;

“**Exploration program**” means any activity or group of activities undertaken for the sole or principal purpose of assessing land for its suitability for the production of minerals;

“**Foundation**” means the part of a structure that penetrates the ground and supports the structure;

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

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

“**Line**” means a line cut for the purpose of carrying out a geophysical, geological, or engineering survey;

“**Low ground pressure vehicle**” means a vehicle that applies 35 kPa of pressure or less to the ground surface;

“**Operator**” means a person who is engaging in an exploration program, or in development or production;

“**Person-day**” in respect of the use of a campsite, means the use of the campsite by one person during a period of 24 hours;

“**Response**” means a notice given by the Manager, Mining Land Use that indicates whether or not an exploration program may be carried out or that extends the time for the Manager, Mining Land Use review of a Notification or operating plan;

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

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

“**Summer**” means the period of a year that is not winter;

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

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“Trenching” means excavation carried out on a mineral claim for the purpose of obtaining geological information;

“Upgrading”, in relation to a 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 for which the road was originally designed to serve and any other upgrading or modifying of a road, other than for maintenance or erosion control;

“Vegetative mat” means the organic surface of soil, characterized by the accumulation of organic matter, or partly decomposed organic matter, derived mainly from leaves, twigs, and woody materials, and includes the root mass of living vegetation;

“Winter” means the period of the year during which (a) the ground is frozen sufficiently to support a vehicle, other than a low ground pressure vehicle, without rutting or gouging of the surface; and (b) there is a sufficient amount of snow on the ground to produce a packed base of 10 cm.

PART ONE – GENERAL REQUIREMENTS

Duration of Approval

1.0 This approval is valid upon signature of the Manager, Mining Land Use until the expiry date. In the event that claims lapse, or that agreements to operate on claims are dissolved, the approval becomes null and void for that portion of the operating plan, where there is no right to the minerals.

Compliance with Operating Conditions

1.1 All mineral exploration activities must comply with the Operating Conditions contained in Schedule 1 of the *Quartz Mining Land Use Regulation* and within the approval. Where there is a difference between the operating conditions and approval, the terms of this approval shall prevail. These Operating Conditions are enforceable.

Reporting Requirements

Contact Information

1.2 Submissions and reports to the Manager, Mining Land Use should be made to both the following addresses:

Manager, 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

1.3 The contact for the operator will be:

Peter Tallman
2833 – 595 Burrard St. Vancouver, BC, V7X 1J1
info@klondikegoldcorp.com

Pre-season and Post-season Reporting

1.4 A pre-season report shall be submitted no later than March 31st outlining the exploration activities planned for the season including the proposed locations.

1.5 A post-season report shall be submitted no later than December 31st indicating exploration activities completed during that season. This report shall include but is not limited to:

- detailed mapping of all areas worked;
- location of new construction;
- shp files of new areas of disturbance;
- map data, in the form of SHP files or GIS compatible, of all new roads and trails;
- map data, in the form of SHP files or GIS compatible, of all reclaimed roads and trails;
- areas of permafrost encountered;

- total disturbed area;
- pre-activity survey results, if applicable;
- reclamation activities (including photos); and
- documentation produced by environmental monitors.

* Spatial data (in the form of shapefiles or other GIS compatible file) shall be attributed with the type of feature (e.g. road, trail, drill pad etc.), their width (in metres, for linear features only), ground surface type, date of capture, and method of capture used to delineate new disturbance (e.g. digitized from satellite/aerial imagery, GPS point collection etc.). Spatial data shall be provided in NAD83 or Yukon Albers projection.

- 1.6 The operator shall contact the Klondike Mining Inspections Office (Compliance, Monitoring and Inspections) at (867) 993-7300 at least 14 days prior to commencing the field season.
- 1.7 The operator shall contact the Klondike Mining Inspections Office (Compliance, Monitoring and Inspections) at (867) 993-7300 at least 14 days prior to leaving the site at the end of the operation.

Spill Reporting

- 1.8 All spills must be reported immediately to the 24-Hour Yukon Spill Reporting Line (867) 667-7244 and to the Klondike Mining Inspections Office (Compliance, Monitoring and Inspections) at (867) 993-7300.
- 1.9 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 Manager, Mining Land Use describing the duration, nature and extent of the emergency and the measures taken to respond to it.

Heritage Reporting

- 1.10 All paleontological resources uncovered during operations shall be reported to the Yukon Paleontology Program, Government of Yukon in Whitehorse at (867) 667-8089 or (867) 667-5386 and the Manager, Mining Land Use.
- 1.11 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 and the Manager, Mining Land Use.

Wildlife Reporting

- 1.12 All incidents with wildlife shall be reported to the District Conservation Officer in Dawson (Northern Region) at (867) 993-5492.

PART TWO – PROJECT SPECIFIC OPERATING CONDITIONS

Schedule 1 Operating Conditions (Appendix B)

The operator is bound by the Schedule 1 Operating Conditions per the *Quartz Mining Land Use Regulation*. In addition to the Schedule 1 Operating Conditions, the operator must also comply with the following terms and conditions:

Erosion Control and Permafrost

- 2.0 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.

Trenching

- 2.1 Open trenches shall be sloped at one end to avoid entrapment of wildlife.
- 2.2 The operator must ensure that all employees and contractors working at the trench sites are aware of the operating conditions for trenching.
- 2.3 Earthworks shall be sloped at one end to allow for wildlife escapement and shall be reclaimed as soon as they are no longer required for mining purposes. If trenches are left open after September 30th, they shall be covered or fenced to avoid wildlife entrapment.

Solid Waste

- 2.4 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*.
- 2.5 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.

Petroleum Fuel and Hazardous Substances

- 2.6 The operator shall, with indelible marker or paint, clearly identify the owner, the contents and the date on fuel drums to establish and manage ownership and responsibility.
- 2.7 All fuel cache(s) must be protected with an earthen berm or suitable barrier and flagged to prevent spills resulting from accidental contact with heavy equipment. Flags should be visible above the snow pack.
- 2.8 The location of any spills shall be clearly marked until cleanup has taken place. Location markings shall not be removed until directed in writing by an Inspector.

Drilling

2.9 The operator must ensure that all employees and contractors working at the drill sites are aware of the operating conditions for drilling.

Wildlife

2.10 The operator shall use end-of-pipe fish protection screens that have appropriately designed screen areas, materials and shapes as well as an appropriate withdrawal flow rate to avoid the death and entrapment of fish. The operator shall use the Projects Near Water website as a guide and tool for designing end-of-pipe fish protection screens: <https://www.dfompo.gc.ca/pnwpppe/codes/screen-ecran-eng.html>, and the tool to determine the appropriate withdrawal flow rate for the chosen screen design: <http://fishprotectiontools.ca/basicendofpipe/>.

2.11 An appropriate depth and flow (i.e., base flow and seasonal flow of water) shall be maintained in all watercourses for the protection of fish and fish habitat.

2.12 The operator shall contact the migratory caribou biologist (867-993-2952) weekly between October 1st and October 31st to obtain migration updates on the Fortymile Caribou Herd (FMCH). If the migratory caribou biologist expects the FMCH to migrate through the Project area, the migratory caribou biologist will provide written guidance to the operator through the Chief of Mining Lands as to when exploration operations should cease.

2.13 Project activities shall cease by October 20 to avoid the most significant impacts of disturbance to moose.

Aerial Surveys

2.14 The operator shall not conduct aerial survey programs after October 1 unless otherwise approved in writing by the Manager, Mining Land Use, annually. If approved by the Manager, Mining Land Use, the Regional Biologist will provide written guidance to the operator, through the Manager, Mining Land Use, as to where and when aerial surveys may occur.

Vegetation

2.15 The operator shall take all necessary precautions to minimize disturbance to caribou-specific habitat (lichen) within the project area. Where disturbance is unavoidable, the lichen mat shall be separately stored and replaced as soon as exploration activities are complete. The operator shall contact the Regional Biologist (867-332-8462) for a map identifying high-quality caribou habitat in the project area and information on how to determine high-quality caribou habitat.

Wetlands

2.16 Prior to undertaking project activities in wetlands, the operator shall determine the presence of wetlands and current site disturbance through a physical assessment and shall submit a high-quality map to the Chief, Manager of Mining Lands, representing locations of wetlands, disturbed areas and relevant features. The map must meet Mineral Resources' digital mapping standards (<https://yukon.ca/en/mineral-resources-branch-digital-mappingstandards>).

2.17 The operator shall avoid mining and developing mining related infrastructure in undisturbed wetlands, unless avoidance is not possible, in which case, the operator shall minimize disturbance to wetlands. Any wetlands identified in the project area impacted by mining, must be reclaimed to standards set out in the Ruby Creek Guidelines (<https://yukon.ca/en/wetland-reclamation-guide-rubycreek-and-indian-river-east-block-placer-mine-2015-0150>), and any other direction required by the Chief, Mining Land Use.

Heritage

2.18 An updated heritage resources overview assessment shall be completed in advance of land altering activities. Areas with elevated potential for the presence of archaeological or historic sites shall be avoided until such time as a heritage resources impact assessment can be completed.

2.19 A heritage resources impact assessment shall be completed in advance of land-altering activities in areas with elevated potential for the presence of archaeological or historic sites.

Land Users

2.20 The operator shall notify the Registered Trapping Concession holders (RTC 57) at least thirty (30) days prior to each field season to reduce any potential negative impacts to trapping. The operator may contact Environment Yukon (867-993-5492) for trapline contact info.

PART THREE – RECLAMATION AND/OR DECOMMISSIONING

- 3.0 Reclamation and/or decommissioning shall be progressive in nature where possible and will occur prior to the expiry of the exploration program or prior to the expiry of this approval, whichever comes first, according to standards outlined in the operating conditions, unless otherwise specified by the Manager, Mining Land Use.
- 3.1 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 at the cessation of the exploration program or prior to the expiry of the approval, whichever comes first.
- 3.2 Structures must be removed and the site restored at the end of the exploration program or prior to the expiry of this approval, whichever comes first, to a level of utility comparable to its previous level of utility.
- 3.3 If an amendment to this approval or new approval is granted, for the claims within the scope of this approval (Appendix A), all outstanding reclamation continues to be the responsibility of the operator.

PART FOUR – OTHER MATTERS

- 4.0 Security may be required at any time by the Manager, Mining Land Use. The operator must furnish security within thirty (30) days of receiving the written notice from the Manager, Mining Land Use of the requirement to post security.
- 4.1 All activities requiring security identified in the pre-and/or post-season report(s) shall be paid on or before April 30 annually.
- 4.2 Notice of Schedule III must be provided to the Yukon Water Board ten (10) days prior to use of water.
- 4.3 Attached (Appendix C) are the commitments that form part of this operating plan.



Appendix A Claim Status Report

Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	NTS #'s	Grouping	Permit	Settlement Land
QZ 1 - 100	YD28801 - YD28900	2028/10/30	Klondike Gold Corp.	100.00	115O14	HD03762		
QZ 101 - 146	YD28121 - YD28166	2028/10/30	Klondike Gold Corp.	100.00	115O14, 115O10	HD03762		

Criteria(s) used for search:

CLAIM DISTRICT: DAWSON CLAIM NAME: QZ CLAIM NUMBER (FROM & TO): 1 & 100 CLAIM STATUS: ACTIVE & PENDING REGULATION TYPE: QUARTZ

Total claims selected : 146

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

APPENDIX B

Quartz Mining Land Use Regulation

Schedule 1 **Operating Conditions**

Removal of the Vegetative Mat

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

Re-establishment of the Vegetative Mat

2. (1) All vegetated areas disturbed by exploration activities, including fuel and waste storage areas, clearings, corridors, temporary trails, camps and supporting infrastructure, and trenches and drill sites, 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.

(2) Conditions conducive to re-vegetation include provision of adequate soil layer with moisture retaining ability, no soil contamination by hydrocarbons or other hazardous substances, provision of adequate seed or root stock, and contoured or otherwise stable slopes.

3. 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

4. All areas disturbed during an exploration program must be re-sloped, contoured or otherwise stabilized to prevent long-term soil erosion, slumping and subsidence.
5. All exploration activities must be carried out to avoid or minimize damage to and loss of permafrost.

Trenching

6. Trenching carried out by hand or using hand-held tools must be methodical. All trenches must be stabilized and marked to minimize risk to the public.
7. 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.

Historic Objects and Burial Grounds

8. Exploration activities must not be carried out within 30m of a known archeological site unless the Manager, Mining Land Use indicates, in writing, that such activities may be carried out.
9. Any sites containing archeological objects, paleontological objects or human remains or burial sites discovered in the course of carrying out an exploration program must be immediately marked and protected from further disturbance and, as soon as practicable, the discovery reported to the Manager, Mining Land Use. No further activities may be carried out within 30m of the site until the Manager, Mining Land Use indicates, in writing, that activities may be resumed.

Solid Waste

10. All solid waste, including debris, equipment, barrels, drums, and scrap metal, must be safely stored on the site of the exploration program while the program is carried out and must be disposed of in accordance with the *Solid Waste Regulation* when the program ceases.
11. Camps must be kept clean and tidy.

Petroleum Fuel and Hazardous Substances

12. If petroleum fuel storage capacity exceeds 4000 L, a secondary containment structure must be constructed. The containment structure must be made of a material impervious to petroleum products and:
 - a) if there is a single storage tank, be of sufficient size to accommodate at least 110% of the capacity of the storage tank; or
 - b) if there is more than one storage tank, be of sufficient size to accommodate 110% of the capacity of the largest storage tank or 10% of the total capacity of all the tanks, whichever is larger.
13. 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.
14. All petroleum products, including waste petroleum products, and any other hazardous substance, must be transferred and handled without spillage.
15. All petroleum products and any other hazardous substances must be removed from the site of the exploration program when the program ceases.
16. All waste petroleum products and any other special waste, as defined in the *Special Waste Regulations*, generated in the course of carrying out the exploration program must be disposed of in accordance with the *Special Waste Regulations* when the program ceases.

Spills and Spill Contingency Plans

17. A spill contingency plan for petroleum products and other hazardous waste must be prepared and posted in the camp and at all fuel handling locations used in carrying out the exploration program.
18. All spill clean-up equipment and material must be maintained in a state of readiness sufficient at all times to contain and clean-up any hazardous material spills.
19. 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.

Use of Vehicles

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

Timber and Brush

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

Drilling

25. All reasonable efforts must be made when drilling to minimize the impact on wildlife and the public.
26. Vegetation other than that within a drill sump, must not be covered with drill cuttings.
27. Core must be stored in a stable fashion.
28. Drill mud must be re-circulated when possible.
29. All drill fluids must be contained in a sump.
30. Drill holes that pose a hazard or that lead to ground water must be plugged to prevent flow

of water to the surface.

31. The location of drill holes must be marked on the ground by flagging or other suitable means at the location of the drill hole.
32. Drilling waste, including fluid, cuttings and mud must not be left within 30m of a water body.

Roads, Trails, and Off-road Trail Use

33. All vehicles must be operated to avoid rutting and gouging of roads and trails.
34. Off road and trail routes must be reconnoitered and must be used in a way that minimizes ground disturbance, including damage to permafrost and sensitive wildlife habitat.
35. 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.
36. 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.
37. Routes for temporary trails must be reconnoitered and flagged.
38. In addition to any remedial action required in relation to item 2 of this schedule, temporary trails must be blocked to prevent further vehicular access.

Release of Sediment

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

Use of Explosives

40. Explosives must be set off in a manner to minimize impact on wildlife and the public to ensure that forest fires, unplanned landslides, or artificial damming of water bodies does not occur.

Waste Rock

41. Waste rock piles must be located at least 30m from any water body and be physically stable.
42. Waste rock containing sulfides must be returned underground.
43. Access to underground openings must be blocked to prevent access by wildlife and people.

APPENDIX C

Operator Commitments

- Roads will be constructed using an excavator or bulldozer and will be connected to existing road networks to minimize disturbances. Preference will be given to the creation of temporary trails on dry ground which will be progressively reclaimed and rehabilitated as they cease to be required. Existing and historic trails that are overgrown and revegetated may be re-opened by brushing in order to access drill locations without having to cut through undisturbed, forested areas.
- No new access routes will be created but temporary roads and trails will be reclaimed as they are no longer needed. Access routes will be reclaimed by recontouring and spreading organic matter and vegetative mat and by the addition of water bars as required.
- Minimal line cutting may be required for IP or other geophysical work. Lines will detour around trees and thick brush whenever possible. When clearing is required, vegetative cover and topsoil will be segregated to be replaced following work to promote natural revegetation. Lines cut for IP work will be progressively reclaimed when they are not used for exploratory activities.
- The number of clearings is a maximum that is unlikely to be reached with exploration drilling. Due diligence will be applied to limit the number, scope and surface area of clearings required. Where possible, previously cleared areas will be utilized for exploration drilling to reduce the number of new clearings needed. In addition, clearings may be used for more than one purpose, including drilling two or more diamond drill holes in some cases.
- Sumps will be backfilled and reclaimed the same day the drill is moved.
- All disturbed areas will be contoured to ensure proper drainage and minimize erosion. Effort will be taken to restore, contour and grade all drill sites back to original form. All trenches will be backfilled prior to the completion of the exploration permit and will be purposefully sloped to a low angle at one end for wildlife and personnel escape routes. Side walls will be cut back at appropriate angles for stability that will be determined by soil composition. Where possible, vegetation and organic mat will be separated from underlying rock while drill pads and trenches are being created. This vegetative layer will be replaced onto reclaimed drill sites and backfilled trenches to promote natural revegetation and slope stability. Pre-disturbed sites will be used wherever possible.
- Clearings can be re-seeded using a seed mixture approved by EMR Mining Inspector, to prevent erosion, and provide a stable substrate that promotes re-establishment of native

species in subsequent years. Clearings can be reseeded if natural vegetation is not reestablished. Reseeding will be approved by an EMR Mining Inspector.

- The Proponent will continue to reclaim areas of prior disturbance.
- A 1:2 slope is achievable in all areas to be reclaimed.

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Operational Guidelines

Exploration activities

The Yukon Chamber of Mines has developed an informative Best Management Practices document that should be reviewed in the context of project activities. The operator should reference the following document when planning and conducting project activities:

- Yukon Mineral and Coal Exploration Best Management Practices and Regulatory Guide (<https://www.yukonminers.org/index.php/all-docs/guidebooks/3-yukon-mineral-and-coal-exploration-best-management-practices-and-regulatory-guide/file>).

Bears and other wildlife

To increase worker safety, reduce potential conflicts and prevent unnecessary wildlife mortality, the operator should implement pertinent components of:

- Guidelines for Industrial Activity in Bear Country for the Mineral Exploration, Placer Mining and Oil & Gas Industries (<https://yukon.ca/sites/yukon.ca/files/env/env-guidelines-industrial-activity-bear-country.pdf>).
- If an electric fence is an appropriate precaution, or a requirement, the operator should reference the following comprehensive and highly informative guide: Reducing Wildlife Conflict with Electric Fencing: A Beginner's Guide (https://yukon.ca/sites/yukon.ca/files/env/env-electric-fencing_en.pdf).

Invasive species

To minimize the risk and consequences of spreading invasive plant species the operator should:

- Become familiar with the Yukon invasive species and how to manage them by referring to the Yukon Invasive Species Council document, "Why Should I Care About Invasive Species" (<https://www.yukoninvasives.com/index.php/en/resources/brochures/31-why-should-i-care-about-invasive-species/file>).

Heritage Resources

To better understand how to manage potential impacts to heritage resources, the operator should refer to the following document(s):

- Mineral Exploration Best Management Practices for Heritage Resources (<https://yukon.ca/en/yukon-mineral-exploration-best-management-practices-heritage-resources>).
- Guidelines Respecting Discovery of Human Remains and First Nation Burial Sites in Yukon (<https://yukon.ca/en/guidelines-respecting-discovery-human-remains-and-first-nation-burial-sites-yukon>).

Work in/near water

Project activities have the potential to affect water quantity, quality and/or rate of flow. The operator should provide for the protection of water by applying practices described in:

- Best Management Practices for Works Affecting Water in Yukon (<https://yukon.ca/sites/yukon.ca/files/env/env-preferred-practices-works-affecting-yukon-waters.pdf>).

Aircraft use

Project activities are authorized in an area known to be inhabited by sheep and/or caribou. The operator and/or aircraft pilots should plan flight paths and protocols based on the published guideline(s):

- Flying in Sheep Country: How to Minimize Disturbance from Aircraft (<https://yukon.ca/sites/yukon.ca/files/env/env-flying-sheep-country.pdf>).
- Flying in Caribou Country: How to Minimize Disturbance from Aircraft (<https://yukon.ca/sites/yukon.ca/files/env/env-flying-caribou-country.pdf>).

Wetlands

To better understand how to manage potential impacts to wetlands, as well as mapping standards used by MRB for map requirements, the operator should refer to the following document(s):

- Ruby Creek Guidelines to wetland reclamation (<https://yukon.ca/sites/yukon.ca/files/emr-wetland-reclamation-guide-ruby-creek-indian-river-east-block-placer-mine.pdf>).
- Mineral Resources Branch's digital mapping standards (<https://yukon.ca/en/mineral-resourcesbranch-digital-mapping-standards>).