



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



November 9, 2020

File No: LQ00533

White Gold Corporation  
Suite 2210-130 King Street  
Toronto, Ontario  
M5X 1E4

Dear 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.

In response to a letter sent by Mineral Resources Branch on October 22, 2020 requesting initial security and outlining security collection options, White Gold Corporation selected a progressive security approach. As such, security will be furnished in accordance with sections 4.1, 4.2 and 4.3 which state:

- 4.1 Security shall be paid by the operator by April 30th, annually, unless otherwise notified in writing by the Chief.
- 4.2 Any change to the security requirements shall become a term of this Approval and the operator must furnish security within thirty (30) days of receiving the written notice from the Chief of the requirement to post additional security.
- 4.3 Security will be retained as per Section 139 of the Quartz Mining Act and Section 18 of the Quartz Mining Land Use Regulation.

The effective date of this approval will be November 9, 2020. All work, including restoration, must be completed by November 8, 2030, 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,

A handwritten signature in blue ink, appearing to read "BML".

Bobbie Milnes  
Chief of Mining Land Use

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

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

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

White Gold Corporation  
Suite 2210-130 King Street  
Toronto, Ontario  
M5X 1E4

APPROVAL NUMBER: LQ00533  
PROPERTY NAME: HEN  
UNDERTAKING: Quartz  
CLASS: Class 3 Approval  
EFFECTIVE DATE: November 9, 2020  
EXPIRY DATE: November 8, 2030

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 November 9, 2020

A handwritten signature in blue ink, appearing to read "B Milnes", is written over a horizontal line.

Bobbie Milnes  
Chief of Mining Land Use

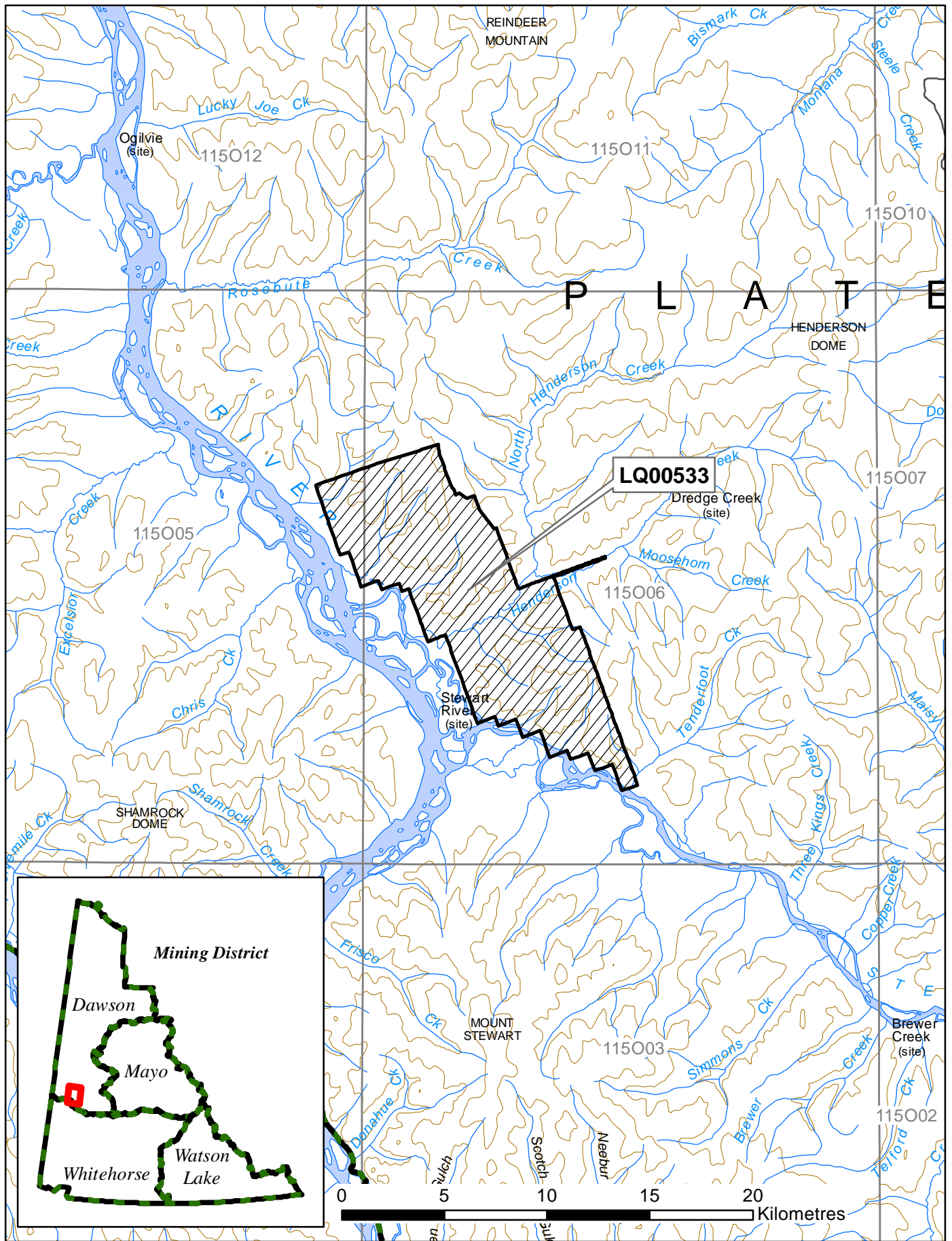
**MINING LAND USE  
APPROVAL  
Class 3**

<b>SCOPE OF APPROVAL:</b>			
Claim Status Report (Appendix A)		LQ00533	
Operating Season	March 15 – December 1 annually	White Gold Corporation	
<b>PROJECT ACTIVITIES (ON-CLAIM):</b>			
<b>USE OF VEHICLES/EQUIPMENT</b>			
Use of vehicles on existing roads or trails			<input type="radio"/> No <input checked="" type="radio"/> Yes
Gross vehicle weight	On-roads: More than 40 t	On-trails: Less than 20 t	
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
<b>NEW &amp; EXISTING ACCESS</b>			
Upgrading of existing access	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 30 km	Width: 15 m
New roads	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 15 km	Width: 10 m
New trails	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 40 km	Width: 2 m
New temporary trails	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 40 km	Width: 2 m
Other new access: n/a			
<b>LINES &amp; CORRIDORS</b>			
Lines	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 10 km	Width: 2 m
Corridors	<input checked="" type="radio"/> No <input type="radio"/> Yes	Length: 0 km	Width: 0 m
<b>SITE PREPARATION</b>			
Number of clearings per claim: 25		Area: 275 m <sup>2</sup> each	
Number of clearings for helicopter pads and camps: 40 Heli pads, 2 camps		Area: 7 000 m <sup>2</sup> (Heli) 10 000 m <sup>2</sup> (Camp)	
Clearings with vegetative mat intact		Area: 7 000 m <sup>2</sup>	
Clearings with vegetative mat removal		Area: 46 000 m <sup>2</sup>	
<b>EXPLORATION TRENCHING &amp; BULK SAMPLING</b>			
Hand-dug			<input checked="" type="radio"/> No <input type="radio"/> Yes
Mechanized			<input type="radio"/> No <input checked="" type="radio"/> Yes
Number: 100	Length: 25 m	Width: 1 m	Depth: 2 m
		Total volume: 5 000 m <sup>3</sup>	
Bulk sampling		<input checked="" type="radio"/> No <input type="radio"/> Yes	Amount/year: 0 tonnes
Explosives		<input checked="" type="radio"/> No <input type="radio"/> Yes	Total amount: 0 kg Max. in 30 days: 0 kg
<b>EXPLORATION DRILLING</b>			
TYPE	NUMBER OF HOLES	DEPTH (m)	
Reverse Circulation	100	10 000	
Rotary Air Blast	100	10 000	
Diamond	100	10 000	

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<b>FUEL STORAGE</b>		
<b>FUEL TYPE</b>	<b>STORAGE TYPE &amp; CAPACITY</b>	<b>TOTAL VOLUME</b>
Jet B	Drum 200 L	10 000L
Diesel	Drum 200 L	10 000L
Gasoline	Drum 200 L	2 000L
Propane	Bottle 100 lbs	2 000L
<b>FACILITIES &amp; STRUCTURES</b>		
Camp structures: Tent/Tent frame		
Number of persons in camp at any one time: 30	Number of person days: 4 500/year	
Construction of underground structures	● No ○ 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.



**MINING LAND USE  
APPROVAL  
Class 3**

**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 Chief of 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 evidence by the date of the signature of the Chief;

“**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 Chief that indicates whether or not an exploration program may be carried out or that extends the time for the Chief’s 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

**MINING LAND USE  
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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 Chief 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 Chief should be made to both 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

1.3 The contact for the operator will be:

Allison Feduk  
Suite 2210-130 King Street, Toronto, ON  
afeduk@groundtruthexploration.com

#### **Pre-season and Post-season Reporting**

1.4 A pre-season report shall be submitted no later than March 31<sup>st</sup> outlining the exploration activities planned for the season including the proposed locations. Pre-season reports shall also be shared with all affected First Nations Governments.

1.5 A post-season report shall be submitted no later than December 31<sup>st</sup> 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;
- 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; and
- documentation produced by environmental monitors.

Post-season reports shall also be shared with all affected First Nations Governments.

- 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 Chief 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 Chief.
- 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 Chief.

### **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:

#### **Access**

2.0 Prior to construction of new access to the project area, the Operator shall prepare an access management plan for review and approval by the Chief of Mining Land Use. The Access Management Plan shall include, but not be limited to, information on Traffic Management (i.e. access control, signage, etc.), reclamation for roads and trails and road locations developed under their mining program.

2.1 Reclamation and/or decommissioning of roads and trails shall be progressive in nature and shall be documented annually in the post-season report. Reclamation and/or decommissioning of roads and trails shall occur as soon as roads and trails are no longer needed for exploration activities unless the need is documented in the post- and pre-season reports. The status of roads and trails (i.e. active or inactive) including an attributed GPS track of all newly created roads and trails (i.e. road or trail width and surface material) and on-going/completed reclamation activities shall be reported to the Chief of Mining Land Use annually via post-season reports.

#### **Erosion Control and Permafrost**

2.2 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**

2.3 Trenches shall be backfilled and/or sloped at one end to avoid entrapment of wildlife. All trenches with the exception of active trenches, shall be backfilled by September of each year.

2.4 The operator must ensure that all employees and contractors working at the trench sites are aware of the operating conditions for trenching.

#### **Solid Waste**

2.5 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.

2.6 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**

2.7 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.

2.8 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.

2.9 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**

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

### **Wildlife**

2.11 The Operator shall collect site-specific data on wildlife use of project sites and shall update the Wildlife Management Plan annually to reflect data collected each mining season. Data collected shall include but not be limited to sightings and counts of caribou, moose, raptors, bears, and sheep as well as flight logs and a description of the take off and landing locations. The Wildlife Management Plan must be reviewed and approved by the Chief of Mining Land Use prior to initiating exploration activities each season.

2.12 The Operator shall contact the Regional Biologist (867-993-6461) weekly between September 26th and November 30th to obtain migration updates on the Fortymile Caribou Herd. If the Fortymile Caribou Herd is expected to migrate through the project area, the Regional Biologist will provide written guidance to the Operator through the Chief of Mining Lands as to when exploration operations should cease for the season.

2.13 The Operator shall contact the North Yukon Regional Biologist (867-993-6461) for information on the location of high suitability winter caribou habitat within the project footprint. The Operator shall take all necessary precautions to minimize disturbance to high suitability winter caribou habitat (lichen) within the project area.

2.14 The Operator shall avoid flying over raptor nesting sites or if it cannot be avoided, avoid approaching cliff nests from behind and fly at a minimum of 600 m above ground level.

2.15 The Operator shall avoid any disturbances within 1km of known active raptor nests between April 15 and July 31.

2.16 Wildlife shall be given the right of way.

### **Invasive Species**

2.17 Equipment (i.e. heavy equipment, hand-held tools, drills, and off-road vehicles) shall be cleaned of foreign soil and plant material prior to moving it onto the project property.

2.18 The Operator should report the presence of any invasive plants that are listed on the Yukon Invasive Species Council website: <http://www.yukoninvasives.com/plants.html> to Government of Yukon by e-mail ([invasives@gov.yk.ca](mailto:invasives@gov.yk.ca)) to the Yukon Conservation Data Centre (at 867-667-5331 or Toll free at 1-800-661-0408 local 5331), should they be encountered. If invasive plant species are found on the project site, management options should be implemented as described by the Yukon Invasive Species Council website (<https://www.yukoninvasives.com/plants.html>).

### **Heritage**

2.19 A heritage resources overview assessment shall be completed in advance of ground disturbing 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.

2.20 A heritage resources impact assessment shall be completed in advance of ground disturbing activities in areas with elevated potential for the presence of archaeological or historic sites.

2.21 Upon discovery of a heritage resource within the project area, the Operator shall notify the Heritage Departments of affected First Nations in addition to Government of Yukon, Chief of Mining Lands and Yukon Heritage.

2.22 The Operator shall invite affected First Nations to discuss areas of potential heritage resources when conducting a heritage resources impact assessment.

### **Other users**

2.23 The proponent is encouraged to contact the trappers using the Registered Trapping Concessions that overlap with the Project to minimize land-use conflicts and to identify areas where there may be traps, snares and other trapping equipment in order to avoid any infrastructure during the Project. Contact YG Department of Environment at (867)667-5600 to acquire trapper contact information.

### **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 Chief.
- 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 Chief.
- 4.1 Security shall be paid by the operator by April 30th, annually, unless otherwise notified in writing by the Chief.
- 4.2 Any change to the security requirements shall become a term of this Approval and the operator must furnish security within thirty (30) days of receiving the written notice from the Chief of the requirement to post additional security.
- 4.3 Security will be retained as per Section 139 of the Quartz Mining Act and Section 18 of the Quartz Mining Land Use Regulation.
- 4.4 Notice of Schedule III must be provided to the Yukon Water Board ten (10) days prior to use of water.
- 4.5 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
R HEN 13 - 24	YF73663 - YF73674	2024/02/15	White Gold Corp.	100.00	115O06	HD03667	C1Q00131	
R HEN 295 - 338	YD94883 - YD94926	2024/02/15	White Gold Corp.	100.00	115O06	HD03667	C1Q00070 C1Q00131	
R HEN 339 - 424	YD94927 - YD95012	2025/02/15	White Gold Corp.	100.00	115O06	HD03667	C1Q00070 C1Q00131	
R P HEN 501 - 799	YF75001 - YF75299	2024/02/15	White Gold Corp.	100.00	115O06	HD03667	C1Q00131 LQ00533	
R P HEN 801 - 844	YF75751 - YF75794	2024/02/15	White Gold Corp.	100.00	115O06	HD03667	C1Q00131 LQ00533	
R HEN 1 - 12	YF73651 - YF73662	2024/02/15	White Gold Corp.	100.00	115O06	HD03667	C1Q00131	

**Criteria(s) used for search:**

CLAIM DISTRICT: 1000002 CLAIM STATUS: ACTIVE & PENDING GRANT NUMBER (FROM & TO): YD94883 & YD95012, YF73651 & YF73674, YF75001 & YF75299, YF75751 & YF75794 REGULATION TYPE: QUARTZ

Total claims selected : 497

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 Chief 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 Chief. No further activities may be carried out within 30m of the site until the Chief 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

### Proponent Commitments

#### **Access**

- Fixed wings flights will be limited to 20 flights between May 1 and November 31 annually.
- Existing ford on Henderson property will be used twice a week. Creek crossings will only be used during the timing windows of reduced risk identified for all fish species.

#### **Aerial Geophysics**

- Aerial photos will be taken with a UAV Drone up to four times annually. The maximum amount of time a drone will be used daily is 8 hours, from 9:00 to 17:00. If sensitive wildlife habitat is identified the drone will not be flown over that area.

#### **Drilling**

- The drilling operation will only use water-based environmentally friendly drilling fluid.
- The sumps will be fenced off to prevent adverse effects to wildlife.
- After the drilling is complete and no additional circulation is required, the pH of fluids in the sumps will be tested, as well with the pH of the water source. An alkalinity agent will be used to raise the pH of the fluid in the sumps to the same pH as the original water source.
- After a sump is no longer in use, it will be backfilled with the original material that existed in the sump.
- All drill holes will be plugged with 3 /8" bentonite holeplug, capped below the surface and labeled with the hole identification immediately after the hole has been drilled.
- All exploration activities will be at minimum, greater than 30 meters from any waterway.
- Core will be stored over 30 m away from any water body.
- All drilling core will be stored in a core box and RC/RAB drill cuttings stored in a plastic bag.
- The core will be stored on racks and the cuttings on wooden pallets in a wooden shelter.
- Any core that presents a risk of ARD into the surrounding environment will be removed from the site or have additional protection from weathering.

#### **Clearings**

- The vegetative mat will remain intact for helicopter pads.
- The vegetative mat will be removed for drill sites only where necessary.
- No alteration of the creek banks and any sediment laden runoff will be diverted away from the natural watercourse.

## **Trenching**

- When trenches and sump are no longer in use, rock will be immediately reintroduced into its initial environment and topsoil replaced.

## **Camp**

- There will be no removal of the vegetative mat during camp construction.
- All attractants will be stored in wildlife proof containers. The entire camp as well as the incinerator, garbage storage area, and fuel storage area will be surrounded by an electric fence. Waste will be removed routinely from camp or incinerated to prevent the build-up of attractants on site.
- The greywater disposal area will be a minimum of 30 meters from any surface water.
- Garbage and waste will be removed as soon as it is generated.

## **Reclamation**

- Erosion control measures will be implemented such as covering stockpiles and revegetation plans completed as soon as the exploration is complete.
- Final reclamation from camps will begin after the camps are no longer in use. The area will be monitored for the next ten years to ensure natural revegetation. If the expected natural revegetation does not occur, human assisted revegetation will take place.
- Biological studies will be conducted prior to any major disturbance and after the area has been reclaimed. Environmental monitoring will continue after the final closure of the project to ensure that the property is self-sustaining.
- A seed collection program will be done in advance for use in the reclamation. Multiple layers of native vegetation will be planted providing structure and to enhance biodiversity.

## **Staff**

- Zero tolerance of drugs and alcohol on site or while conducting work related business.
- Standard PPE will be provided to all employees. Specialized PPE will be provided to employees who require it.
- Personnel will be provided with appropriate training to enable them to work safely.
- All employees will be required to carry and be trained in the use of bear spray, bear bangers and air horns. An evacuation and warning process will be in place for wildlife.

## **Fuel**

- Regular inspection and maintenance of equipment to prevent leaks and spills.
- Fuel for drills will be located within a portable berm at the drill site.

## **Wildlife**

- There will be a no wildlife harassment policy that will encompass no wildlife feeding, wildlife avoidance and employee wildlife education.
- Where possible all forested areas will remain intact so the wildlife in the areas have needed shelter.

- All operations will cease when 50 or more caribou are observed within a 6 km of the project area, or when 9 or more caribou are within 1 km of project activities.

### **Acid Rock Drainage**

- Exposed sulphide bearing mineralized stockpiles will be covered with a tarp
- In the areas that rainwater and runoff has collected during exploration activities, the pH of the collected water will be tested. If the collected water has dropped below a pH of 6, treatment to the gathered water will ensue. The main form of contaminated water treatment will be the addition of soda ash to raise the pH back to that of the surrounding environment.
- Trenching and sump building: the rock will be immediately reintroduced into its initial environment and topsoil replaced, once the exploration activity is complete.

## **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](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 ([http://www.tc.gov.yk.ca/pdf/Mineral\\_Exploration\\_BMP\\_for\\_Heritage\\_Resources.pdf](http://www.tc.gov.yk.ca/pdf/Mineral_Exploration_BMP_for_Heritage_Resources.pdf)).
- Best Management Practices for Burial Sites and Human Remains in Yukon ([http://www.tc.gov.yk.ca/pdf/BurialSites\\_BMP\\_2014.pdf](http://www.tc.gov.yk.ca/pdf/BurialSites_BMP_2014.pdf)).

### **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>).