



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

March 2, 2020

LP01379

Trem Duncan
PO Box 20460
Whitehorse, YT
Y1A 7A2

Dear Sir/Madam:

Re: Class 3 Placer 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 March 2, 2020. All work, including restoration, must be completed by March 1, 2025, 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 enhance the environmental performance of your program, but are not approval conditions.

Please feel free to contact our office at (867) 536-7366 should you have any questions.

Regards,

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

APPROVAL NUMBER: LP01379

PROPERTY NAME: Toronto Creek

UNDERTAKING: Placer


CLASS: Class 3 Approval

EFFECTIVE DATE: March 2, 2020

EXPIRY DATE: March 1, 2025 or until a Class 4 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 *Placer Mining Act* and the *Placer Mining Land Use Regulation* made thereunder as proposed in Mining Land Use Application.

Dated this March 2, 2020



Bobbie Milnes
Chief of Placer Land Use

**PLACER MINING LAND USE
APPROVAL
Class 3**

SCOPE OF APPROVAL:			
Claim Status Report (Appendix A)			
Operating Season	April 1 st – October 31 st		
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
Gross vehicle weight	On-roads: more than 40 t	On-trails: more than 20 t	
Off-road use of vehicles in summer			<input type="radio"/> No <input checked="" 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 type="radio"/> No <input checked="" type="radio"/> Yes	Length: 0.5 km	Width: 4 m
New roads	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 0.5 km	Width: 4 m
New trails	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 0.5 km	Width: 4 m
Other new access:			
LINES & CORRIDORS			
Lines	<input checked="" type="radio"/> No <input type="radio"/> Yes	Length: 0 km	Width: 0 m
Corridors	<input type="radio"/> No <input checked="" type="radio"/> Yes	Length: 2 km	Width: 4 m
SITE PREPARATION			
Area stripped per year	Area: 9,000 m ²		
Ditching and Drains	<input type="radio"/> No <input checked="" type="radio"/> Yes	Volume: 800 m ³	
Height of Overburden Piles	Height: 4 m		
EXPLORATION TRENCHING			
Hand-dug			<input checked="" type="radio"/> No <input type="radio"/> Yes
Mechanized			<input type="radio"/> No <input checked="" type="radio"/> Yes
Number: 10	Length: 40 m	Width: 2 m	Depth: 4 m
Total volume: 320 m ³			
Explosives		<input checked="" type="radio"/> No <input type="radio"/> Yes	Total amount: 0 kg
Max. in 30 days: 0 kg			
EXPLORATION DRILLING			
TYPE	NUMBER OF HOLES	DEPTH (m)	
Auger	10 holes per year	15 m	

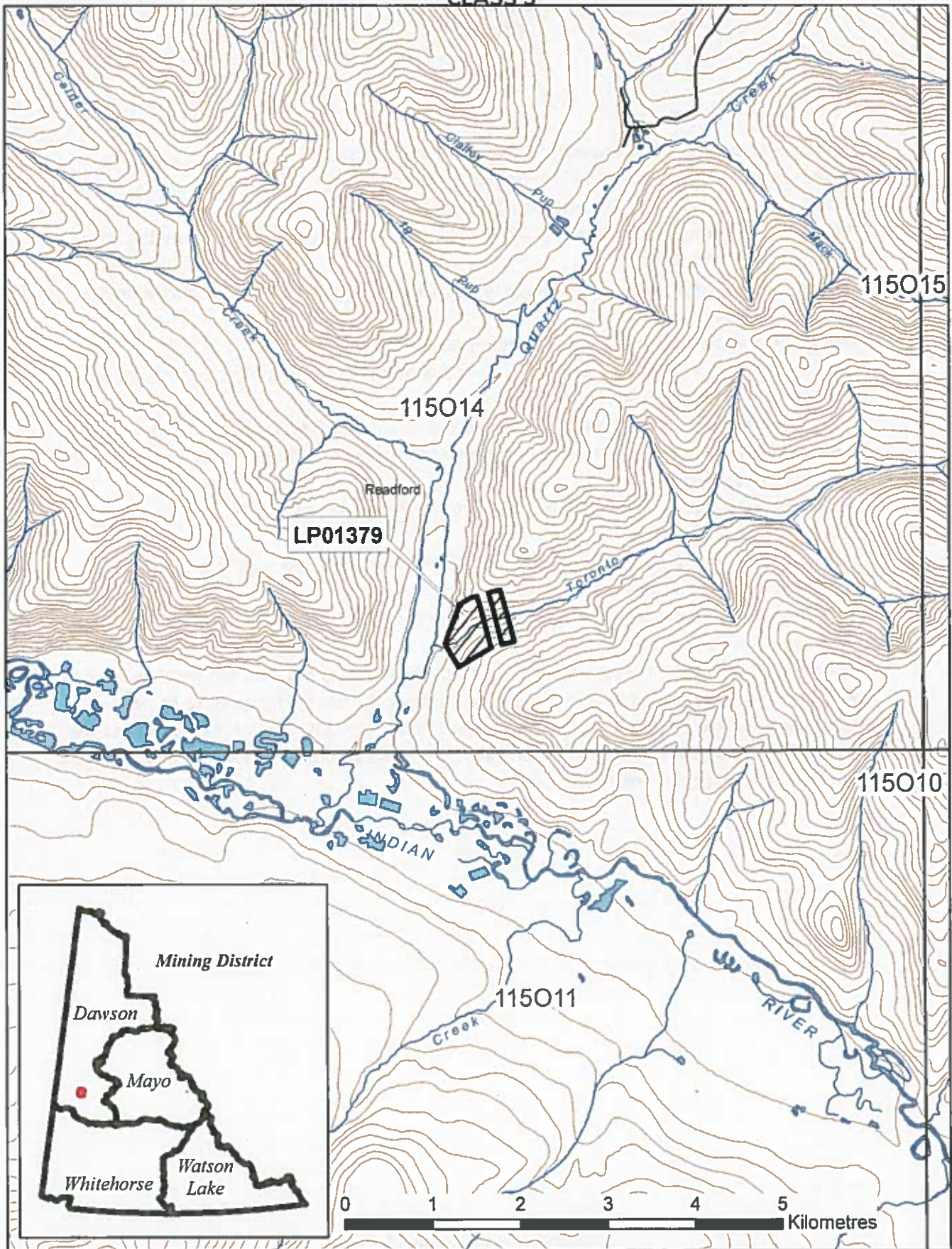
FUEL STORAGE		
FUEL TYPE	STORAGE TYPE & CAPACITY	TOTAL VOLUME
Diesel	Storage Tank	3 785 L
Gasoline	Jerry cans	80 L
Diesel	Tidy Tank	1000 L
Propane	Pressurized Tanks	36 L

**PLACER MINING LAND USE
APPROVAL
Class 3**

FACILITIES & STRUCTURES	
Camp structures: 4 RV trailers, 2 tents, 1 log structure, 4 trailers	
Number of persons in camp at any one time: 4	Number of person days: 600
Construction of underground structures	<input checked="" type="radio"/> No <input type="radio"/> Yes
Amount per year:	Amount per program:

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.

PLACER MINING LAND USE
APPROVAL
CLASS 3



**PLACER MINING LAND USE
APPROVAL
Class 3**

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;

“Corridor” means a path from which trees and brush have been cut to accommodate a trail, waterline, fuel line or power line.

“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.

“Stripping” means excavation, undertaken as part of an operation, that is limited to the removal of trees, brush and the vegetative mat.

“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

- 1.0 This approval is valid upon signature of the Chief until the expiry date or until a Class 4 approval is issued. 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.
- 1.1 Only the work identified in the prospecting lease "Work Program and Additional Information" form, approved by the Mining Recorder, can be carried out until such time as the prospecting lease is staked to claims.
- 1.2 All outstanding reclamation continues to be the responsibility of the operator.

Compliance with Operating Conditions

- 1.3 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

- 2.0 Submissions and reports to the Chief should be made in duplicate to the following addresses:

Chief of Placer Land Use
Box 2703, K-9
Whitehorse, Yukon Y1A 2C6

Mining Lands Officer
Box 249
Dawson City, YT Y0B 1G0
867-993-5343
dawson.mining@gov.yk.ca

- 2.1 The contact for the operator will be:

Trem Duncan
PO Box 20460
Whitehorse, YT
Y1A 7A2
ice_man0065@hotmail.com

- 2.2 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.

- 2.3 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.
- 2.4 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.
- 2.5 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.

Heritage

- 2.6 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.
- 2.7 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.
- 2.8 The report(s) developed for Section 3.12, shall be submitted to Government of Yukon – Mining Lands, Mineral Resources Branch and the Heritage Resources Unit, Cultural Services Branch.

Wildlife

- 2.9 All incidents with wildlife shall be reported to the District Conservation Officer in Dawson (Northern Region) at (867) 993-5492, as well as any other communication regarding wildlife.

PART THREE – TERMS AND CONDITIONS

Erosion Control and Permafrost

- 3.0 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

Historic Objects and Burial Grounds

- 3.1 The operator shall complete a Heritage Resources Overview Assessment of the areas scheduled for work outside of proposed target areas with the objective of identifying areas that have elevated potential for the presence of heritage resources.

- 3.2 Subject to the results of the Heritage Resources Overview Assessment, 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 Impact Assessment in advance of activities that disturb the ground surface within areas with elevated potential for the presence of heritage resources.
- 3.3 A plan regarding the use and disposal of historic liabilities (ie. Structures and equipment) used for the project shall be provided to the Chief of Placer Land Use for review and approval prior to the initiation of project activities. The Chief shall consult with affected First Nation(s) and may add additional terms to the plan. Once approved copies of the plan shall be provided to Tr'ondëk Hwëch'in and First Nation of Na-Cho Nyak Dun. Use and removal of historic liabilities are subject to ownership laws and general application. All waste must be stored, transported and disposed of according to the Environment Act and Regulations.

Disposal of Wastes/Cleanliness

- 3.4 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.
- 3.5 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.
- 3.6 The operator shall store all attractants, including garbage, kitchen waste and strained solids from grey water in a container that prevents access by bears and other wildlife, until properly disposed of according to the Solid Waste Regulation or burned daily to ash by forced air and fuel fired incineration according to the Air Emissions Regulations.
- 3.7 The operator shall install a portable electric fence around the perimeter of the camp, or at a minimum the grey water sump, kitchen, and food preparation, and waste storage areas.

Fuel and Chemical Storage and Handling

- 3.8 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.
- 3.9 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

- 3.10 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.
- 3.11 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.

Heritage

- 3.12 Upon discovery of a heritage resource, the operator shall notify the affected First Nations' Heritage Departments and the Government of Yukon, Chief of Mining Lands and Tourism-Heritage branch.

Trenching

- 3.13 Open trenches shall be sloped at one end to avoid entrapment of wildlife.
- 3.14 The operator must ensure that all employees and contractors working at the trench sites are aware of the operating conditions for trenching.

Drilling

- 3.15 The operator must ensure that all employees and contractors working at the drill sites are aware of the operating conditions for drilling.
- 3.16 Drilling holes shall be decommissioned and backfilled or plugged to avoid wildlife entrapment, and trenches and settling ponds shall integrate design features to allow wildlife to escape.

Wildlife

- 3.17 If active bird nests are discovered, project activities shall be postponed in the nesting area until nesting is completed.

Roads/Access

- 3.18 The operator shall give wildlife the right of way on roads and trails to protect wildlife and prevent collisions.
- 3.19 The operator shall post signage indicating that all new access trails within the project area are intended for mining or exploration purposes.
- 3.20 The operator shall restrict access on all roads and trails within the claim block during the licensed hunting season from August 1 to October 31. This can be done using signage.

Other Users

- 3.21 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.

Reclamation

- 3.22 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.

- 3.23 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.
- 3.24 Reclamation and/or decommissioning of new roads shall and trails shall be progressive in nature and shall occur as soon as they are no longer needed for mining activities.
- 3.25 Mining and exploration activities should be avoided in wetlands areas wherever possible. Where mining is to occur in wetlands and prior to any disturbance in these areas, the proponent shall develop a progressive wetland reclamation plan, for review and approval, that results in suitable terrain conditions which are conducive to natural re-establishment of wetland habitat in post mined areas. The proponent shall provide to the Chief, Placer Mining Land Use to be reviewed and approved prior to proceeding with activities overlapping wetlands and shall implement the approved plan on future mined wetland areas under this operating plan.

PART FOUR – FINAL DECOMMISSIONING

- 4.0 All petroleum products and any other hazardous substance must be removed from the site when the operation ceases.
- 4.1 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.
- 4.2 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.
- 4.3 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.
- 4.4 Final reclamation 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 for re-establishment of vegetative mat and erosion control.

PART FIVE – OTHER MATTERS

Applicable Laws

- 5.0 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.
- 5.1 Notice of Schedule III must be provided to the Yukon Water Board ten (10) days prior to use of water.
- 5.2 Attached (Appendix C) are the commitments that form part of this operating plan.



Appednix A - Claim Status Report

Claim Status Report

27 February 2020

Claim Name and Nbr.	Grant No.	Expiry Date	Registered Owner	% Owned	Excess NIS #/s	Grouping	Permit
Anna 1	P 34620	2021/01/01	Trem Duncan	100.00	1 115014a	GD01653	CIP00482, LP01379
Anna 2 - 4	P 34621 - P 34623	2021/01/01	Trem Duncan	100.00	0 115014a	GD01653	CIP00482, LP01379
Anna 6	P 34625	2021/01/01	Trem Duncan	100.00	0 115014a	GD01653	CIP00482, LP01379

Criteria(s) used for search:

CLAIM DISTRICT: 1000002 CLAIM NAME: ANNA CLAIM NUMBER (FROM & TO): 1 & 6 CLAIM STATUS: ACTIVE & PENDING, ALL REGULATION TYPE: PLACER, QUARTZ

Total claims selected : 5

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

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APPENDIX B

Placer Mining Land Use Regulation

Schedule 1 **Operating Conditions**

A Removal of the vegetative mat

1. 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.

B Re-establishment of the vegetative mat

2. (1) All vegetated areas disturbed by operation activities, including fuel and waste storage areas, clearings, corridors, 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 revegetation comparable to similar, naturally occurring, environments in the area.
(2) 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, provision of adequate seed or root stock and contoured or otherwise stable slopes.
3. If adequate seed stock or root stock is not naturally available, re-seeding or transplanting of vegetation is required. Only non-invasive species may be used for reseeded or transplanting.

C Erosion control and permafrost

4. All areas disturbed during an operation must be resloped, contoured or otherwise stabilized to prevent longterm soil erosion, slumping and subsidence.
5. All operations must be carried out to avoid or minimize damage to and loss of permafrost.

D 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 backfilled by first depositing any removed overburden and bedrock and then replacing the vegetative mat that was removed to construct the trench.

E Historic objects and burial grounds

8. Operations must not be carried out within 30m of a known archaeological or palaeontological site unless the Chief indicates, in writing, that such activities may be carried out.
9. Any sites containing archaeological objects, palaeontological 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, 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.

F Solid waste

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

G Petroleum fuel and hazardous substances

12. If petroleum fuel storage capacity exceeds 4000L, 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 of the tanks, whichever is greater.
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 substances, must be transferred and handled without spillage.
15. All petroleum products and any other hazardous substances must be removed from the site of the operation when the operation ceases.
16. All waste petroleum products and any other special waste, as defined in the Special Waste Regulation, generated in the course of carrying out the operation must be disposed of in accordance with the Special Waste Regulation when the operation ceases.

H Spills and spill contingency plans

17. 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.
18. All spill clean-up equipment and materials must be maintained in a state of readiness sufficient at all times to contain and clean-up any hazardous materials 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.

I Use of vehicles

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

J Timber and brush

21. Cut brush must not be piled so that it blocks movement of wildlife or people.
22. Leaning trees created by the cutting of lines, corridors, 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.

K Drilling

25. All reasonable efforts must be made when drilling to minimize impact on wildlife and the public.
26. Drill holes that pose a hazard or that lead to ground water must be plugged to prevent flow of water to the surface.
27. The location of drill holes must be marked by flagging or other suitable means at the location of the drill hole.

L Roads, trails and off-road and trail use

28. All vehicles must be operated to avoid rutting and gouging of roads and trails.
29. Off road and trail routes must be reconnoitred and must be used in a way that minimizes ground disturbances, including damage to permafrost and sensitive wildlife habitat.

30. 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.
31. 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.
32. Routes for trails must be reconnoitred and flagged.

M Release of sediment

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

N Use of explosives

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

Operational Guidelines

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>).
- 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) to the Yukon Conservation Data Centre (at 867-667-5331 or Toll free at 1-800-661-0408 local 5331), should they be encountered.

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).
- Best Management Practices for Burial Sites and Human Remains in Yukon (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>).