


PEEL WATERSHED APPROVED LAND USE PLAN CLASS 1 CONFORMITY CHECK	
YESAB Project #	Q2021-0025
Project Title:	Mayo NE Quartz Exploration
Date:	February 1, 2021
Submitted to:	Land Planning Branch, Department of Energy, Mines and Resources, Yukon Government
Completed by:	<div style="display: flex; justify-content: space-between;"> <div style="width: 70%;"> Sam Skinner Yukon Land Use Planning Council 201-307 Jarvis St Whitehorse, Yukon Y1A 2H3 1-867-667-7397 sam@planyukon.ca </div> <div style="width: 25%; text-align: center;">  YUKON LAND USE PLANNING COUNCIL </div> </div>
More information on PWLUP Conformity checks:	https://planyukon.ca/index.php/resources/planning-regions/peel/391-peel-watershed-conformity-checks
Project conforms to the Final Recommended Peel Watershed Regional Land Use Plan: (select one)	
Yes	

Background Information and Conformity Check Analysis

Affected Landscape Management Unit (LMU)(s): Map 2 and Section 5							
LM Unit #	8	LMU Name:	Wind and Bonnet Plume Watersheds				
Zoning:	SMA	Land Owner:	YG				
Landscape Disturbance Indicators: Surface Disturbance (ha):							
LMU	Cautionary Level*	Critical Level*	Current est. Level**	Project Estimate	Total Estimate	Cautionary level exceeded*	Critical level exceeded*
8	1437.9	1917.2	10.1	1.04	11.1	No	No
9	839.5	1119.3	113.7	0.09	113.8	No	No
Linear Disturbance (km):							
LMU	Cautionary Level*	Critical Level*	Current est. Level**	Project Estimate	Total Estimate	Cautionary level exceeded*	Critical level exceeded*
8	1437.9	1917.2	47.9	3.6	51.5	No	No
9	839.5	1119.3	567.2	0.4	567.6	No	No
<p>* Disturbance levels were not given for WA and SMAs as their management intent implied no new disturbances. However, the Plan allowed pre-existing claims to remain, implying that on-claim disturbances could be permitted. If so, disturbance levels from IMA I are applied here. These are not approved levels.</p> <p>**Current estimated disturbance levels are to be provided by the Plan Parties. As an interim measure, disturbance levels were determined from coarse LandSat-base disturbance data provided by YG. They have not been approved.</p>							

Special Management Considerations: (Section 5, LMUs & Section 3.2.3)

LMU	Special Management Consideration
8	<ol style="list-style-type: none"><li data-bbox="378 384 1435 447">1. The Wind River Trail accesses the unit from the south. Use of this trail by commercial motor vehicles other than snowmobiles is not allowed.<li data-bbox="378 457 1435 520">2. The upcoming Northern Mountain Caribou Action Plan may be relevant to management of land-use activities in this unit.<li data-bbox="378 531 1435 594">3. The Bonnet Plume Heritage River Management Plan provides further direction for management of land-use activities in this unit.
9	<ol style="list-style-type: none"><li data-bbox="378 611 1435 674">1. The Northern Mountain Caribou Action Plan may be relevant to management of land-use activities in this unit.<li data-bbox="378 684 1435 758">2. The Bonnet Plume Heritage River Management Plan provides further direction for management of land-use activities in the portion of this unit that includes the headwaters of the Bonnet Plume River.
Major River Corridor	<ol style="list-style-type: none"><li data-bbox="378 779 1435 810">1. New permanent infrastructure should not be allowed.<li data-bbox="378 810 1435 842">2. River crossings should only happen in the winter on an adequate ice bridge.

Affected Values and General Management Directions (GMD): (Section 4)

Only include values identified in LMU. If no GMDs exist or are relevant, do not include in this table.

Ecological Resources:	Corresponding GMD:
WILDLIFE and TERRESTRIAL HABITATS	<ul style="list-style-type: none">• Reduce size, intensity and duration of human-caused physical surface disturbances (e.g., utilize low impact seismic, winter roads and principle of full reclamation).• Avoid or reduce activities in significant wildlife habitats during important biological periods (e.g., utilize timing windows).<ul style="list-style-type: none">○ Avoid sensitive sheep habitats and key areas, with emphasis on winter range avoidance (see Map 3, Appendix A for locations).○ Avoid concentrated woodland caribou use areas (see Map 3, Appendix A for locations)• Reduce other human land use-related disturbances such as noise, odours and light.
HYDROLOGY and AQUATIC HABITATS	<ul style="list-style-type: none">• Minimize surface and vegetation disturbance in riparian areas.• Prohibit direct disturbance to sensitive over-wintering and spawning habitats.• Minimize stream crossings; if stream crossings are required ensure proper bridge and crossing structures are used, and are designed for ease of removal (i.e., temporary structures).
Heritage, Social, Cultural Resources:	Corresponding GMD:
	<ul style="list-style-type: none">• Avoid or minimize land use conflicts by avoiding or reducing the level of land use activities in important subsistence harvesting and current community use areas.• Avoid or reduce activities in significant heritage and current community use areas during important seasonal use periods (e.g.,utilize timing windows).• Where impacts to identified heritage and cultural sites and resources may occur, implement the following appropriate mitigation practices.<ul style="list-style-type: none">○ Establish work camps associated with resource exploration and development activity near areas of resource production, and away from identified heritage routes, historic sites, and current community use areas.○ Implement immediate stop work orders if evidence of heritage or cultural values is detected, to assess significance.

Economic Development:	Corresponding GMD:
Access (Recommended policies)	<p>13. To prevent impacts on wildlife, soil damage and land user conflicts, the use of wheeled ORVs (e.g. quads, motorbikes and Argo-like vehicles) for any purpose, should be restricted to the Hart River Trail, existing trails in areas immediately adjacent to the Dempster Highway, licensed camps, and existing facilities.</p> <p>14. In areas of allowed use, ORV use should not occur in sensitive habitats. In this Plan, sensitive habitats are defined as wetlands and alpine areas, in the spring, summer and fall.</p> <p>15. In the Conservation Area, outside of existing dispositions, new surface access should not be allowed. The construction of new roads and surface transportation features are incompatible with Conservation Area management objectives.</p> <p>18. In the Conservation Area, outside of existing dispositions, new airstrips should not be allowed. Existing airstrips and landing locations may continue to be used, however.</p>

Plan Recommended Best Management Practices:

Water	<p>Best Management Practices for Works Affecting Water in Yukon. Water Resources Branch, Yukon Environment. May 2011.</p> <p>Available online: http://www.env.gov.yk.ca/publications-maps/documents/bestpractes_water.pdf</p> <p>This document has a number of recommendations on culverts.</p>
Wildlife and fish	<ul style="list-style-type: none">• Flying in Sheep Country. How to minimize disturbance from aircraft. MPERG Report 2002-6. Available online: https://yukon.ca/sites/yukon.ca/files/env/env-flying-sheep-country.pdf• Flying in Caribou Country. How to minimize disturbance from aircraft. MPERG Report 2008-1. Available online: https://yukon.ca/sites/yukon.ca/files/env/env-flying-caribou-country.pdf• Guidelines for Industrial Activity in Bear Country. For the mineral exploration, placer mining and oil and gas industries. MPERG Report 2008-2. Available online: https://yukon.ca/sites/yukon.ca/files/env/env-guidelines-industrial-activity-bear-country.pdf
Industry	<ul style="list-style-type: none">• Yukon Mineral and Coal Exploration Best Management Practices and Regulatory Guide. Yukon Chamber of Mines. August 2010. Available online: https://www.yukonminers.org/index.php/all-docs/guidebooks/3-yukon-mineral-and-coal-exploration-best-management-practices-and-regulatory-guide/file

Additional Analysis or Comments:

- The Cu-North Claims are not shown on the provided map.
- The Vera and Raven claims are not in the planning region and were not considered in this analysis.
- The following claim blocks are in LMU 8: Cyp,PBB, PBA, Corn, DF, Cu-North
- The following claim blocks are in LMU 9: Bar
- The following claim blocks are partially in a Major River Corridor: Cu-North, Cyp
- This project is not consistent with the management intent of LMU 8 or 9. However, existing claims may be respected.
- Surface access outside of claims is not permitted.
- Every claim block overlaps to some degree with the Alpine Off-road Vehicle Management Area where ORVs are restricted. Most of the DF and PBB blocks overlap with this area.
- There are no disturbance levels/thresholds specified in the plan for LMUs 8 and 9. However, if one uses the levels specified for the IMA I in the SMA, this project does not come close to exceeding them, even considering rough estimated existing disturbance levels.