

B. Griffin Trucking

Management Plan

12km W. Canoe FSR Quarry

#### Section A – Project Overview

The project is a rock quarry, approx. <sup>10 ha.</sup> five (5) acres in size, for purpose of producing rip-rap, decorative stone, gravel and clean (clear) rock of varying dimensions. The quarry will be located along the West Canoe FSR, near Kinbasket Reservoir, in the vicinity of the Selkirk de-watering site and the northern permit area of Borealis GeoPower.

Access is obtained via the W. Canoe FSR. From Valemount, head south on Highway 5 for four (4)km, turn left onto Cedarside Road and head east for approx. four (4) km. Cross the CNR Albreda main track at Cedarside Road and Whiskey Fill Road. Enter Canoe Road and continue east for approx. five (5) km. Turn right and enter the West Canoe FSR heading southeast to point-of-commencement, approx 12km.

As this location is near an alluvial fan, absolutely zero heavy equipment or fuel sources will be present during spring run-off (April-June). Upon acceptance of this application, construction will begin with exploration and removal of over-burden in later in the year, around November and continue through the winter months.

#### Section B – Project Description

- I. Description of work – Preliminary investigative work has been completed by surveying boundaries. Assay has begun by sending a few small samples (chipped by hammer) to a mineral specialist. We estimate annual projection to be in the neighbourhood of 3,000 tonnes per year, but that is a high conservative number as machine exploration will better determine productivity. The rock in this area is huge, the size of your kitchen in some cases, so having an idea of pit-run, crush, etc., can only be determined through exploration. Washing will not be commenced as there are no permanent sources near the area, same goes for waste-water treatment. No water, no treatment. Schedule for Phase One and Two will be completed over the winter months by constructing benches, 1m protection berms and piling of over-burden. Much of the over-burden will be used in the creation of the protection berms as this will also assist with reclamation throughout the life of the quarry. There are no plans for an asphalt plant to be on-site, nor any permanent structures. Any tool cribs, etc., will be portable and truck-mounted because as this project is along an FSR, any and all assets may be susceptible to vandalism and arson.
- II. Present State of Land – This location is within the Regional District Fraser-Fort George, southeast of Valemount, BC along the Kinbasket Reservoir, near DL 7411, DL 7412 and DL 7414. No survey parcel information could be found for this location. This could be because the data service is currently unavailable, the survey parcel does not exist at this location, or the information is not currently in the database, so zoning is unknown for this location. Other

permit holders in the area include Borealis GeoPower of Calgary, AB, Cedar Valley Specialty Cuts of Valemount, BC and Carrier Lumber of Prince George, BC. We have created and signed a shared Land-Use Agreement with Borealis and Cedar Valley. Vegetation consists of sparse deciduous trees of the alder and poplar variety and thin pockets of spruce and cedar (approx. six (6) harvestable loads). Soil texture is dusty and thin due to frequent high winds generated along the Kinbasket Reservoir. Topography is steep, hence the need to construct working benches with heights no greater than 15 vertical feet. Present use of the W.Canoe FSR is for logging, exploration and recreation. Very little maintenance has recently been a focus of Carrier Lumber (they own the AAC rights). Construction of the FSR was completed by Spiral Contracting Ltd. in 1977/78.

- III. Watercourses – there are no watercourses with the application perimeter. An OIC Flood Reserve exists within proximity of Kinbasket Reservoir and advice from FrontCounterBC suggests we apply and adjust perimeter if needed.
- IV. Depth to water table – Elevation at the Point of Commencement in this application is approx. 795m above sea level. BC Hydro’s Water Use Plan explains that “full-pool” of Kinbasket Reservoir is 755m. Depth to water table is approx. 40m between July and December and increases its depth to 67.2m as BC Hydro draws from its reservoir throughout the winter months to its “low-pool” elevation (727.8m) near this application area.
- V. Agricultural Land Reserve – This application’s area is not within RDFFG’s ALR.
- VI. Provincial Forest – This application’s area falls within the Robson Valley Timber Supply Area, but will not take away from the overall Provincial Forest as it is within a series of several alluvial fans.

III. Reclamation Program – Proposed land use after reclamation will consist of a park-like setting which will add to the recreational opportunities that currently exist in the area. Over-burden will be put back from whence it came, sloping will consist of 2 : 1, which exceeds current Mining Act standards. Finally, a silviculture specialist (presumably Valemount Community Forest) will be hired to oversee re-planting at the end of the project term.

#### Section C – Additional Information

##### I. Environmental

- a. Land impacts – The area falls within alluvial fans. By having the working benches may slow land debris before hitting the W. Canoe FSR and Kinbasket Reservoir.
- b. Atmospheric Impacts – No atmospheric impacts beyond normal heavy equipment (dozer, excavator) emissions.
- c. Aquatic Impacts – No aquatic impacts
- d. Fish and Wildlife Impacts – No fish impacts. Little to no wildlife impact.

##### II. Socio-Community

- a. Land Use – Working benches will make passage of the W. Canoe FSR safer for recreational users.

- b. Socio-Community Conditions – Rock of this size and density within proximity of Valemount and Highway 5 will be of benefit to the Village of Valemount, Ministry of Transportation, Ministry of Forests, Lands and Natural Resources as well as BC Hydro.
- c. Public Health – There are no public health impacts.
- d. First Nations – Several phone conversations were initiated with Simpcw First Nations Band Administrator. She directed us to their Natural Resources Officer. Information left was for archaeological conflict to initiate resolution. This was 30 days ago. No response. This application is written by Robert (Bob) Griffin and is of First Nations heritage under the Canadian Indian Act.