



# BARKERVILLE GOLD MINES LTD.

JANUARY 2021

## PRESIDENT'S MESSAGE



Let me begin with best wishes for a healthy and prosperous New Year to all our employees and stakeholders. After a difficult year for the world in 2020, Osisko Development looks forward to an exciting 2021.

You, our employees and our stakeholders, will continue to be the cornerstone of our company, and our commitment to training and engagement is the strongest pillar of our values. We will continue to strive to maintain and improve a safe and healthy work environment.

As our projects advance, we shall ensure we engage and update the community and stakeholders in a timely and transparent manner and work to make the Cariboo Gold Project a world class example of how a mine can be not only part of the local social fabric, but can help to improve the environment and stimulate sustainable, quality, socio-economic growth.

**Chris Lodder**  
PRESIDENT

## FIND US ONLINE

Look for information on the Cariboo Gold Project, the EA, job postings, our newsletter and more at [osiskodev.com/cariboo-gold-project](http://osiskodev.com/cariboo-gold-project).



Follow us on Facebook  
[@BarkervilleGoldMinesLtd](https://www.facebook.com/BarkervilleGoldMinesLtd)

# EMPLOYEE STATISTICS

EMPLOYMENT AS OF 01/18/2021	WELLS	CARIBOO	BC	OTHER CANADA	TOTAL
BGM	25	50	41	26	142
Contractors & Consultants	10	2	92	53	157
<b>TOTAL</b>	<b>35</b>	<b>52</b>	<b>133</b>	<b>79</b>	<b>299</b>

## OUR ACTIVITIES

### CARIBOO GOLD PROJECT

The Osisko Development projects team, with the assistance of world class consultants and contractors, is advancing the Cariboo Gold Project technical studies to feasibility level with target completion in the second half of this year.

#### EA Readiness Decision

In December 2020 BGM successfully received the EA Readiness Decision for the Cariboo Gold Project Environmental Assessment and is now entering the process planning phase. This puts us on a legislated timeline towards certificate approval, which we hope to receive in late 2022.

Project information can be found on our website, as well as the [EAO Project website](#).

#### Workshop Series 2

BGM will be hosting a series of workshops on **February 3, 2021**. Please join us to learn more on tailings, noise, and traffic, as well as a Cariboo Gold Project EA update. For the health and safety of our community, these workshops will be held virtually. To register, email [feedback@osiskodev.com](mailto:feedback@osiskodev.com). We look forward to seeing you there! Information from past workshops can be found on our website.

### EXPLORATION



Drilling activities resumed on January 6, 2021. A total of ten drill rigs will be utilized for this program; three will be at the Valley Zone, five on Island Mountain, and two at the Lowhee Zone on Barkerville Mountain. The primary objective of the drilling activities at Valley Zone and Island Mountain is infill drilling, which helps Barkerville Gold build confidence and accuracy when

modeling a deposit for mining purposes. All drill rigs proximal to Wells are equipped with mufflers to reduce noise.

We are also moving ahead with a new 120-man camp with exploration offices and core facilities on our Ballarat property near Barkerville. This camp will principally be for exploration activities but can accommodate overflow from operations and projects teams.

# OUR ACTIVITIES (CONTINUED)

## OPERATIONS

With the anticipated Cariboo Gold Project approval, BGM recently purchased (and had delivered to site) a roadheader that will advance underground mining by mechanically cutting the rock instead of using conventional drill and blast techniques. BGM continuously seeks to implement innovation and technology in its operations.

Using this method of mechanically cutting the rock, instead of drill and blast techniques, will require less equipment, increase efficiency, decrease cost and improving employee safety. For example, because the roadheader is fully automated, it doesn't require personnel to be present in areas considered higher risk to rock fall.

Additionally, this innovative initiative for the Cariboo Gold Project will reduce the environmental impact. The roadheader is a fully electric piece of equipment that eliminates the requirements of other types of equipment to execute the same task. The roadheader used at Bonanza

Ledge will be able to cut the rock, execute the bolting of the roof, and fill the truck with broken rock—an activity which usually requires 3 pieces of equipment to complete (Jumbo, Bolter and scoop). Also, by eliminating blasting, no blast vibration will be emitted, no explosive gas is produced, and no explosives are dissolved in the water, improving water quality. We will continue to improve optimization of the roadheader cutting cycles at the BL Phase 2 Project in preparation for the Cariboo Gold Project development.



## ENVIRONMENT: BGM FISHERIES PROGRAMS

BGM environmental monitoring programs include assessing fish and fish habitat. Mining in the region must be conducted in a manner that preserves fish and fish habitat. Fishery biologists strategically schedule sampling of the resident streams as part of the biological effects monitoring programs; with the intention of assessing fish health. The region around Barkerville and Wells has a diverse population of local fish species.

Watercourses that are upstream of mine activities, as well as tributaries that are outside of activities are assessed to see if the potentially impacted streams have similar fish health and population abundance. The length, weight and population number can also be compared year to year to see if change occurs over time.

Different sampling techniques are used to capture fish. One of the goals is to conduct the sampling in a repeatable or consistent manner. This is done by setting minnow traps for a determined time-period. Streams are often isolated with stop nets which allows a measurement of the area where fish may reside and can be repeated year after year to see if fish abundance is similar.



**Sculpin (top left) and rainbow trout (top right) both reside in resident streams and are indicators of a healthy stream ecosystem. Fish traps (above) may be used in fish population studies.**

# IN THE COMMUNITY

## SANTA CLAUS PARADE



Although the 2020 Christmas season was far from the usual, BGM was thrilled that Santa was available to stop by and help us show our appreciation to the community of Wells. On December 23, with the help of a few elves from BGM, Evolution Camp Services, and the Wells Volunteer Fire Brigade, Santa and Mrs. Claus toured Wells to deliver presents and gingerbread cookies to the children of the community!

We hope everyone had a healthy, happy holiday season. We look forward to seeing you in the new year.

## THE DISTRICT OF WELLS PLANNING AND VISION COMMITTEE

The District of Wells Vision and Planning Committee consists of 12 community members and individuals from various local organizations. The committee was formed at the request of the mayor and the council to align the vision of the community with the soon-to-be updated Official Community Plan (OCP). To date, the Committee has had three meetings since it was formed in December 2020. Initial discussions have been focused on local planning and zoning bylaws as well as the future needs and wants of the community, which are valuable aspects to the update.

BGM gifted \$100,000 to the District of Wells to help facilitate the OCP update. Urban Systems, a community planning consultant, has been engaged to compile and complete the required work for the OCP. The document is a vital bylaw for the community as it provides the foundation and framework for future development.

Committee members will be reaching out to friends, family, and neighbours in the community to learn about what is important to them and provide that input for the OCP update.

We are happy to have Kelsey Dodd as the BGM representative on the District of Wells Vision and Planning Committee.

## ISLAND MOUNTAIN ARTS: ARTSWELLS FESTIVAL



BGM is a proud sponsor of Island Mountain Arts and the ArtsWells Festival. We were happy to give a \$10,000 donation towards the virtual festival they hosted in 2020. Although there were many set-backs due to COVID-19, it was a pleasure to see IMA successfully present a version of the festival and keep people connected through the arts.



## EMPLOYEE SPOTLIGHT



**Rachel Wallis, Community Relations Lead**, is the newest member the BGM Sustainability and External Relations team. Rachel will undertake community engagement and public involvement to strengthen relationships within the community. She will also be involved with sustainability reporting and managing the sustainability and external relations department in Wells.

Previously, Rachel served as the Community Development Liaison for Greenstone Gold Mines in Geraldton, Northern Ontario and has worked in the environmental regulatory field with a focus on Indigenous relations and building meaningful relationships with local indigenous communities. She is currently working towards her master's degree in Environmental Science.

Rachel is an avid gardener with an interest in sustainable living such as canning and preserving; she is also a provincially licensed beekeeper. She moved to Wells in December with her two friendly dogs and is looking forward to partaking in the many activities this region has to offer. Rachel is looking forward to meeting community members while she walks her dogs Rocco and Waylon.

### OUR VISION

Establish a safe, sustainable, long-life mining operation in BC's historic Cariboo Mining District. We take pride in building and maintaining lasting relationships with the town of Wells and our Indigenous partners. We are committed to working together on the Cariboo Gold Project to be good stewards of the land and operate our sites in a socially and environmentally responsible way.

Keys to achieving our vision are:

- Respect and Integrity
- Listen, Learn, and Act
- Reducing Impacts & Enhancing Benefits
- Sharing the Benefits

### WE WANT TO HEAR FROM YOU!

If you have any questions or comments, please contact us at our Community Relations Office:

4270 Sanders Ave.,  
P.O. Box 250, Wells, BC V0K 2R0  
Phone: 778-414-8493  
E-Mail: [feedback@osiskodev.com](mailto:feedback@osiskodev.com)



# Environmental Assessment of the Cariboo Gold Project

## Virtual Open House *and* Invitation to Comment

Barkerville Gold Mines Ltd. (BGM) proposes to develop an underground gold mine with a production capacity of 4,750 tonnes per day in and near the District of Wells, B.C. The ore is proposed to be milled at the existing Quesnel River mill, located 58 km southeast of Quesnel, B.C. Waste rock will be used as fill material at the mine site or stored at the existing Bonanza Ledge Mine, located near Barkerville, B.C. The project would also include an approximately 70 km transmission line to BC Hydro's Barlow substation near Quesnel. The proposed Cariboo Gold Project would have a proposed operating life of 16 years.

The Cariboo Gold Project is subject to review under British Columbia's *Environmental Assessment Act* (2018). The Environmental Assessment Office (EAO) is inviting the public and Indigenous nations to review the draft Process Order, Assessment Plan, Application Information Requirements, and Regulatory Coordination Plan and provide feedback to assist with the scoping of the proposed project and assessment.

These documents are part of the process planning phase, which formalize how the environmental assessment (EA) will be carried out for the Cariboo Gold Project, including:

- What information must be provided;
- How the information must be gathered;
- Who must be involved in the EA, and how they must be engaged; and
- The timing of each of the subsequent phases of the EA.

The EAO is inviting the public to the following **virtual open houses**, which will be held online due to the COVID-19 pandemic and associated safety measures:

on: **February 23, 2021**  
from: **1:00 p.m. to 3:00 p.m. PST**

on: **February 25, 2021**  
from: **5:00 p.m. to 7:00 p.m. PST**

**For details on how to connect to the open houses, please visit:** <https://projects.eao.gov.bc.ca>, click on 'List of Projects,' then search 'Cariboo Gold.'

The open houses will include:

- A presentation by the EAO on the process planning phase of the EA process;
- A presentation by BGM on the proposed project; and
- An opportunity to ask questions online.

The EAO presentation will be available on the EAO's website following the open houses.

A comment period on the Process Order, Assessment Plan, Application Information Requirements and the Regulatory Coordination Plan will be open for 30 days from February 15 to March 17, 2021 at midnight PST. All comments received during this comment period that meet the Public Comment Policy guidelines will be considered.

The intention of seeking public comments is to ensure that potential effects – environmental, economic, social, cultural and health – that might result from the proposed project are identified for consideration and included in the EA process.

The EAO accepts comments:

- **By Online Form:**  
[gov.bc.ca/eao](http://gov.bc.ca/eao) - click 'Commenting on Projects'
- **By Mail:**  
Katherine St. James  
Project Assessment Director  
Environmental Assessment Office  
PO Box 9426 Stn Prov Govt  
Victoria BC V8W 9V1
- **By Fax:** 250-356-7477

The Process Order, Assessment Plan, Application Information Requirements, and the Regulatory Coordination Plan and other public engagement materials are available on the EAO's website at: <https://projects.eao.gov.bc.ca>, click on 'List of Projects,' then search: 'Cariboo Gold.'

For more information on the environmental assessment process, visit: [gov.bc.ca/eao](http://gov.bc.ca/eao)

**NOTE:** All submissions received by EAO during the public comment period in relation to the Cariboo Gold Project are considered public and will be posted to the EAO's website. All comments must adhere to the EAO's public comment policy to be considered.



Environmental  
Assessment Office