

HARDROCK HERALD



Throughout 2020, Greenstone Gold Mines (GGM) staff have been busy with a focus on completing detailed engineering and permitting of the Hardrock Project and initiating new exploration throughout the region. With an awareness of COVID-19 and safety measures in place, we continue to be available to address community relations inquiries via telephone and email.

During the second and third quarters of 2020, the Hardrock Project obtained several permits positioning the Project to be shovel ready. On page 2 you'll find a

detailed update on permitting status and next steps. GGM is planning on finalizing the detailed engineering for the Project during the remainder of this year. You'll find an exciting glimpse of the detailed engineering rendering of the process plant and main support infrastructure on page 3.

This past August, GGM began exploration near Geraldton and is scheduled to continue the drilling program until November 2020. The GGM site crew and Environmental Technicians are happy to be back in the field; turn to page 6 for more

details on the exploration work. In this issue we also highlight the communities and citizens in the Greenstone region. Innes Barrett and his 11 dedicated years to the Project are given special acknowledgement.

Also locally, GGM has supported the hard work of the Thunderbird Friendship Centre that continues to help those affected by these challenging times. And importantly, we honour the life of an influential community leader, Chief Celia Echum of Ginoogaming First Nation.



P2 Permitting
Progress



P3 Engineering
Update



P5 Exploration
Update

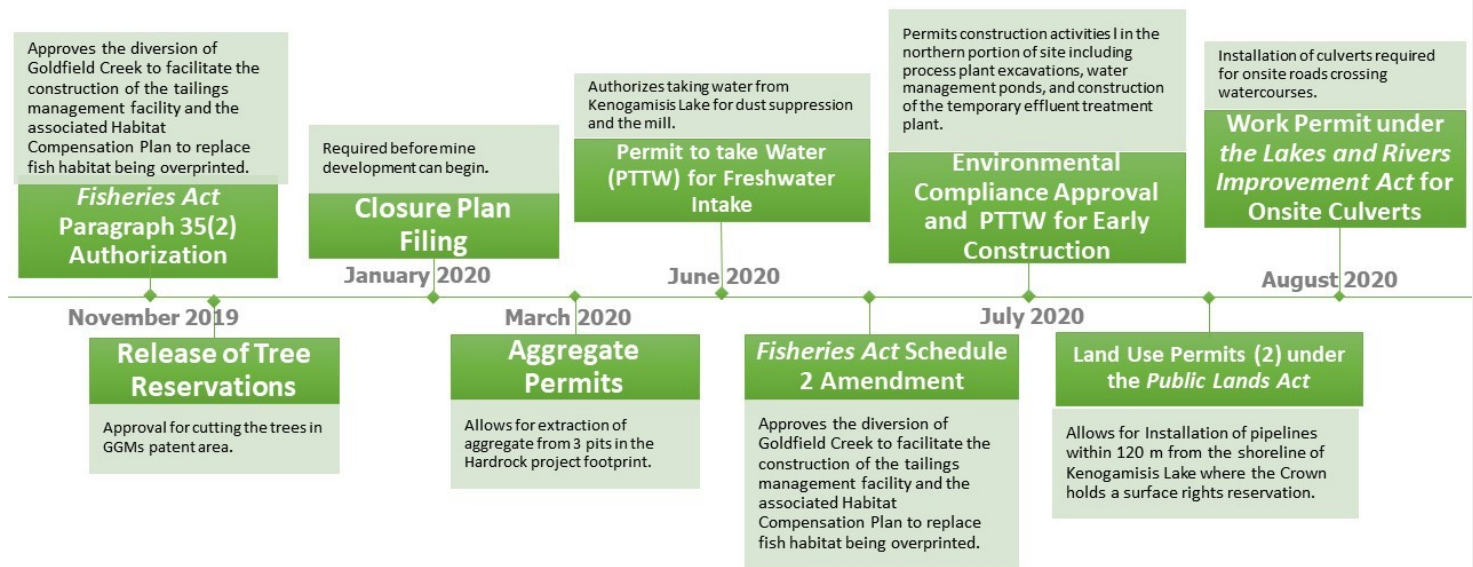


P8 Community
Engagement

Environmental Permitting Approvals Progress

Since the approval of the Environmental Assessment, GGM has been diligently working on preparing permit applications and receiving approvals at the federal and provincial levels.

Here is an overview of the permits and authorizations that GGM has received and what they mean for the Hardrock Project.



What's Coming Next

GGM has submitted a number of permit applications to support later stage construction and mine operation requirements. We continue to work with government agencies through the permit review and approval processes. GGM appreciates the efforts of the government agencies in prioritizing the Hardrock Project. Additional permit approvals expected in late 2020 or 2021 include:

- Water Permits for construction of the Tailings Management Facility and the Goldfield Creek diversion
- Work Permit under the *Lakes and Rivers Improvement Act* for the Goldfield Creek Diversion
- ECA and PTTW for construction and operation of the Full Scale Effluent Treatment Plant, water management ponds, and the Sewage Treatment Plant
- Approval for the TMF dam locations under the Closure Plan
- ECA Waste for the onsite landfill

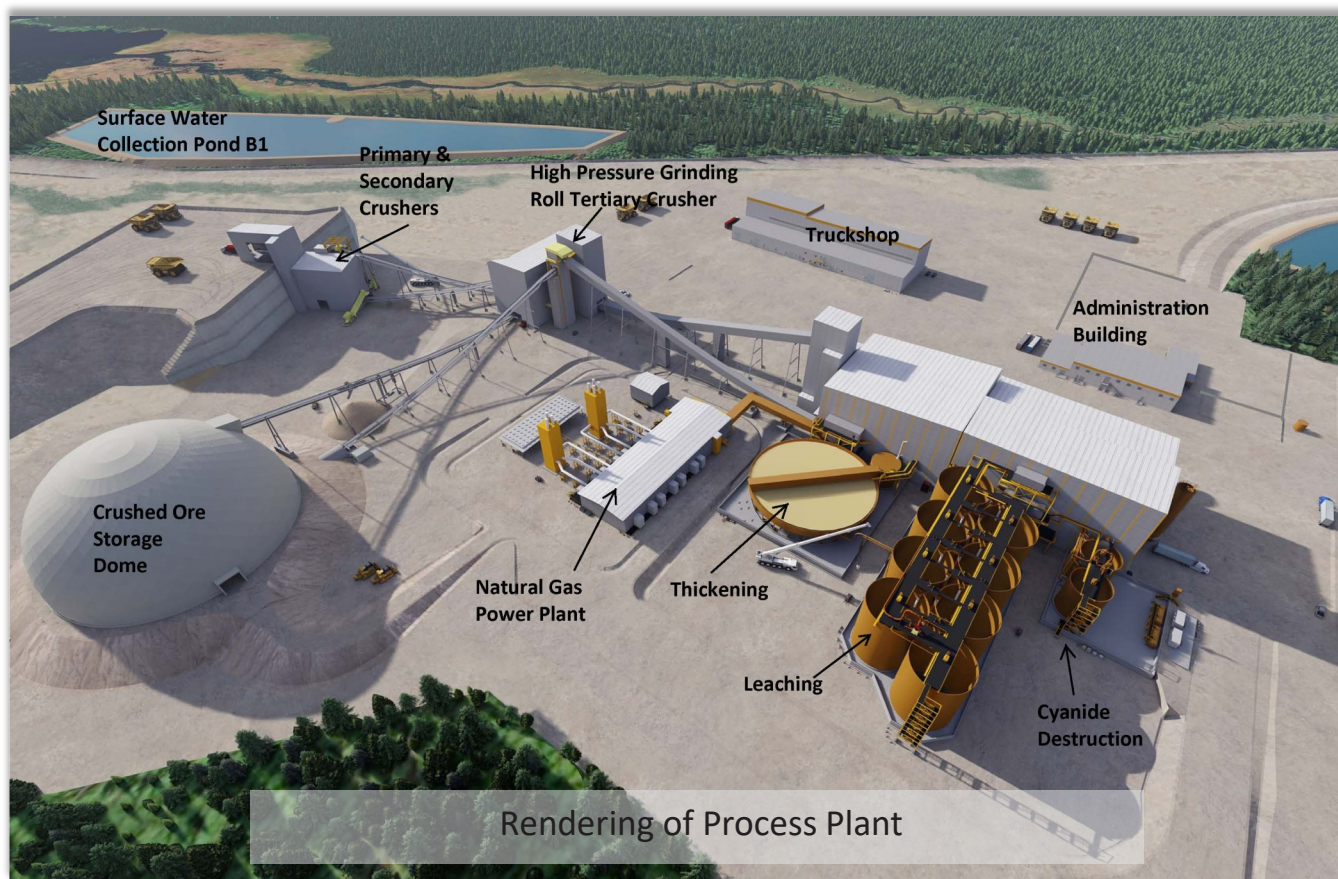
Engineering Update

To date through 2020, GGM has made significant progress on advancing the detailed engineering of the Hardrock Project.

Detailed designs have been progressed for the process plant and main supporting infrastructure, as well as infrastructure relocations such as

highway 11 and the MTO Patrol Yard.

GGM has also continued to engage with the Independent Tailings Review Board in advancing and verifying the design of the tailings management facility.



Exploration Update

GGM's Exploration team has begun actively drilling in the Geraldton area. The team is testing various exploration targets on a number of our regional properties. GGM currently has 2 drills on site and are planning to drill 12,000 m. M3 Drilling, in partnership with Minodahmun Development LP, has been engaged to

complete the work with two diamond drills, focussed on completing the drill holes before the end of the year. The exploration team has also started some early stage prospecting and sampling in the Beardmore/Jellico area on GGM's Brookbank property. The group is looking to develop exploration targets for potential follow-up next year.



Drilling program in the municipality of Greenstone



Drill
Program 2020





Environmental Technicians at the drill site

The exploration program began in early September with the Environmental Technicians from local Indigenous communities performing frequent drill inspections.

An Environmental Technician from each community conducts at least one inspection audit per week and reports its findings to the team.

The inspections include examining general housekeeping, checking there are no leaks or spills from equipment as well as assessing environmental protections.



Drill Inspections

Environmental Program Update

In September, the GGM team returned to the Project site to carry out routine environmental monitoring field work. The fall environmental monitoring program consists of surface water sampling, groundwater sampling and stream flow sampling.

In order for the team to return to work safely, GGM provided training on COVID-19 protocols being enforced at site.



Randy Vernier measuring water flow using an Acoustic Doppler Current Profiler

Community Engagement

GGM has reached out to support the local community during the global pandemic. The Thunderbird Friendship Centre has been instrumental in supporting the community and it has been GGM's privilege to support their efforts in reducing food insecurity for families during COVID-19.

As of July 31st, 1060 grocery hampers have been delivered locally!

We have all found creative ways to stay engaged the during COVID-19. We asked the local Indigenous communities how they are managing through the global pandemic and collaborated to

create a video that documents their story. The video has been posted on GGM's website.



Chantal Barrett stocking up on groceries

In Memory of Chief Celia Echum

In early May the community of Ginoogaming First Nation was faced with devastating news; their beloved leader, Chief Celia Echum known as the 'people's Chief' started her journey into spirit world. Chief Echum served her community for many years and was elected to her seventh-consecutive term in August 2019. She was a tireless advocate for the betterment of her people and the community she served.

We would like to acknowledge Chief Echum's great contribution to the Hardrock project. She always worked with a humble spirit but with fierce determination to build a lasting legacy to

move her people forward and it was an honour to work with her.

Our thoughts and prayers are with her family, friends, community, council, colleagues and all who were fortunate to know her.



Our People

In this issue, we would like to take the opportunity to highlight a team member who contributes to our continued success.

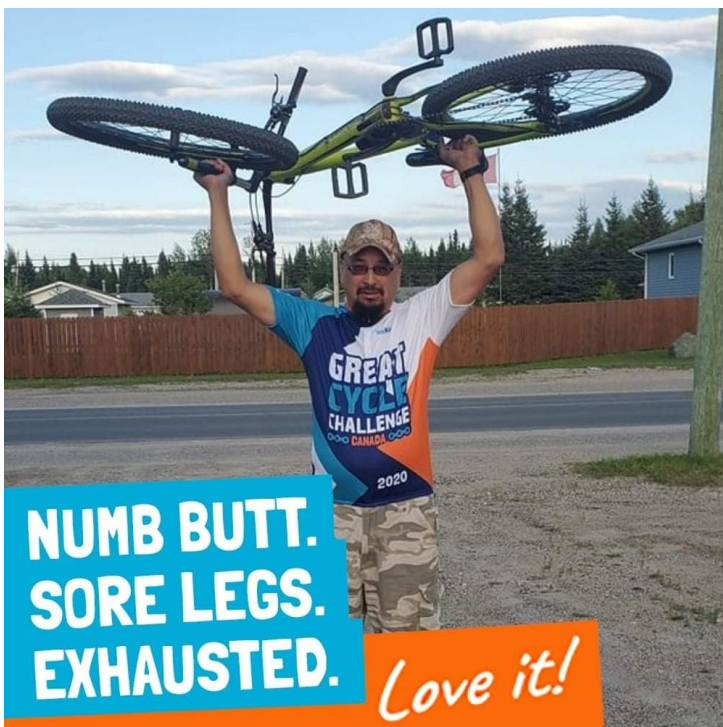
Innes Barrett may be a familiar face to many. Innes has been a valued employee for over 11 years. During his employment, he has held a number of roles and has a tremendous ability to adapt to all tasks and circumstances.

Innes is able to take on new tasks on a moments notice. He has performed line cutting, drill surveys, geophysics, site maintenance, environmental field work, archaeological documentation and is always happy to work the grill at Community Relations events. Currently Innes is the Health and Safety Representative onsite.

GGM would like to recognize Innes's outstanding hard work and dedication.



Innes Barrett at GGM event



Jason Chapais, Environmental Technician for Ginoogaming First Nation recently participated in the Great Cycle Challenge to raise money to the Sick Kids Foundation of Canada.

Jason biked over 200 kilometers in his effort to support the Foundation and Greenstone Gold was proud to support Jason's efforts.

Good job Jason (pictured left).

Healthy ways to cope with stress related to COVID-19

Many people are suffering from increased anxiety due to COVID-19 and related uncertainties. Here are some ideas that might be helpful to maintain your mental wellness during these times:

- Know what to do if you are sick and are concerned about COVID-19
- Know where and how to get treatment
- Take care of your emotional health. Taking care of your emotional health will help you think clearly and react to the urgent needs to protect yourself and your family.
- Take breaks from watching, reading, or listening to news stories, including those on social media. Hearing about the pandemic repeatedly can be upsetting
- Take care of your body.
 - Take deep breaths, stretch, or meditate.
 - Try to eat healthy, well-balanced meals.
 - Exercise regularly.
 - Get plenty of sleep.
 - Avoid excessive alcohol and drug use.
- Make time to unwind. Try to do some other activities you enjoy.
- Connect with others. Talk with people you trust about your concerns and how you are feeling.
- Connect with your community- or faith-based organizations. While social distancing measures are in place, consider connecting online, through social media, or by phone or mail

[Visit Ontario.ca](https://www.ontario.ca) for the latest information and advice on COVID-19.

Contact:

The Community Relations office serves as a point of contact for stakeholders to meet with the CR team in person to discuss the project.

During the COVID-19 pandemic, please call or email and we will promptly reply to your inquiry.

Visit our website to sign up for updates!
www.greenstonegoldmines.com



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