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**Technical Report for work completed for mining claims 587562 and
587563 for the years 2020 and 2021**

Report Completed: April 7, 2022

Report Authors: James Cripps, Debra Cripps and Relessey Cripps

Claim Details

Claim IDs: 587562 and 587563

Cell IDs: 31L06J160 and 31L06J140

Township name: Butler Township

Ownership of the land: Crown Land

Names of persons who performed the work

James Cripps

Debra Cripps

Relessey Cripps

Access

Travel by vehicle on Hwy 63 from North Bay. Turn right off Hwy 63 on to the road to Twenty Minute Lake / Indian Lake. Park at sandpit. Further travel by atv required. Then walking from there.

Key Map

A map is included at the end of the report. On this map, the solid green line shows the approximate location where trail work was completed in 2020/2021. The dashed green line shows the approximate location of the walking trail to access the claim. And the yellow dot represents the ridge where all grass roots prospecting and manual labour was completed in 2020 and 2021.

Daily Work Logs

Date: Friday, October 30, 2020
Depart for claim from home: 9:15 a.m.
Arrive at claim parking location: 10:00 a.m.
Depart from claim parking location: 2:50 p.m.
Arrive back home: 3:35 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 30 minutes x 3 workers = 4 hours and 30 minutes
Workers: James Cripps, Debra Cripps and Relessey Cripps
Total time worked: 4 hours and 50 minutes x 3 workers = 14 hours and 30 minutes (Trail work: 2 hours and 50 minutes x 3 workers = 8 hours and 30 minutes)
Work: Initial walk in. Trail work. Summary: Flagged the trail into the claim. Determined the necessary work to be completed on the trail for access closer to the claim by atv. Walked around the claim, and determined the ridge was the best area to prospect. Started trail work.

Date: Wednesday, November 11, 2020
Depart for claim from home: 9:30 a.m.
Arrive at claim parking location: 10:15 a.m.
Depart from claim parking location: 4:05 p.m.
Arrive back home: 4:53 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 33 minutes x 2 workers = 3 hours and 6 minutes
Workers: James Cripps and Relessey Cripps
Total time worked: 5 hours and 50 minutes x 2 workers = 11 hours and 40 minutes
Work: Trail work Summary: Clearing old skidder trail for atv access closer to the claim location. Tools used: Handheld snippers, chainsaw

Date: Thursday, November 12, 2020
Depart for claim from home: 11:30 a.m.
Arrive at claim parking location: 12:15 p.m.
Depart from claim parking location: 4:10 p.m.
Arrive back home: 5:00 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 35 minutes x 2 workers = 3 hours and 10 minutes
Workers: James Cripps and Relessey Cripps
Total time worked: 3 hours and 55 minutes x 2 workers = 7 hours and 50 minutes
Work: Trail work Summary: Clearing old skidder trail for atv access closer to the claim location. Tools used: Handheld snippers, chainsaw

Date: Saturday, November 14, 2020
Depart for claim from home: 1:20 p.m.
Arrive at claim parking location: 2:05 p.m.
Depart from claim parking location: 4:50 p.m.
Arrive back home: 5:35 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 30 minutes x 3 workers = 4 hours and 30 minutes
Workers: James Cripps, Debra Cripps and Relessey Cripps
Total time worked: 2 hours and 45 minutes x 3 workers = 8 hours and 15 minutes
Work: Trail work
Summary: Clearing old skidder trail for atv access closer to the claim location.
Tools used: Handheld snippers, chainsaw

Date: Friday, May 14, 2021
Depart for claim from home: 2:00 p.m.
Arrive at claim parking location: 2:50 p.m.
Depart from claim parking location: 4:37 p.m.
Arrive back home: 5:20 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 33 minutes x 3 workers = 4 hours and 39 minutes
Workers: James Cripps, Debra Cripps and Relessey Cripps
Total time worked: 1 hour and 47 minutes x 3 workers = 5 hours and 21 minutes
Work: Trail work
Summary: Clearing old skidder trail for atv access closer to the claim location.
Tools used: Handheld snippers, chainsaw

Date: Monday, May 17, 2021
Depart for claim from home: 10:15 a.m.
Arrive at claim parking location: 10:59 a.m.
Depart from claim parking location: 2:46 p.m.
Arrive back home: 3:33 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 31 minutes x 2 workers = 3 hours and 2 minutes
Workers: James Cripps and Relessey Cripps
Total time worked: 3 hours and 47 minutes x 2 workers = 7 hours and 34 minutes
Work: Trail work
Summary: Finished clearing old skidder trail for atv access closer to the claim location.
Tools used: Handheld snippers, chainsaw

Date: Monday, May 24, 2021
Depart for claim from home: 11:04 a.m.
Arrive at claim parking location: 11:56 a.m.
Depart from claim parking location: 3:35 p.m.
Arrive back home: 4:25 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 42 minutes x 3 workers = 5 hours and 6 minutes
Workers: James Cripps, Debra Cripps and Relessey Cripps
Total time worked: 3 hours and 39 minutes x 3 workers = 10 hours and 57 minutes
Work: Grass Roots Prospecting
Summary: Determining the type of rocks and minerals at locations on the ridge.

Date: Thursday, May 27, 2021
Depart for claim from home: 10:31 a.m.
Arrive at claim parking location: 11:18 a.m.
Depart from claim parking location: 2:55 p.m.
Arrive back home: 3:47 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 39 minutes x 2 workers = 3 hours and 18 minutes
Workers: James Cripps and Relessey Cripps
Total time worked: 3 hours and 37 minutes x 2 workers = 7 hours and 14 minutes
Work: Grass Roots Prospecting
Summary: Determining the type of rocks and minerals at locations on the ridge.

Date: Saturday, May 29, 2021
Depart for claim from home: 1:03 p.m.
Arrive at claim parking location: 1:48 p.m.
Depart from claim parking location: 4:31 p.m.
Arrive back home: 5:18 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 32 minutes x 3 workers = 4 hours and 36 minutes
Workers: James Cripps, Debra Cripps and Relessey Cripps
Total time worked: 2 hours and 43 minutes x 3 workers = 8 hours and 9 minutes
Work: Grass Roots Prospecting
Summary: Determining the type of rocks and minerals at locations on the ridge.

Date: Tuesday, November 9, 2021
Depart for claim from home: 12:01 p.m.
Arrive at claim parking location: 12:45 p.m.
Depart from claim parking location: 3:44 p.m.
Arrive back home: 4:33 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 33 minutes x 2 workers = 3 hours and 6 minutes
Workers: James Cripps and Relessey Cripps
Total time worked: 2 hours and 59 minutes x 2 workers = 5 hours and 58 minutes
Work: Manual Work
Summary: Sifting using hand tools, and hammering and chiseling.

Date: Wednesday, November 10, 2021
Depart for claim from home: 12:43 p.m.
Arrive at claim parking location: 1:33 p.m.
Depart from claim parking location: 4:07 p.m.
Arrive back home: 4:58 p.m.
Total travel distance by vehicle to and from claim parking location: 104.6 km
Total travel time: 1 hour and 41 minutes x 2 workers = 3 hours and 22 minutes
Workers: James Cripps and Relessey Cripps
Total time worked: 2 hours and 34 minutes x 2 workers = 5 hours and 8 minutes
Work: Manual Work
Summary: Sifting using hand tools, and hammering and chiseling.

Description of work completed

Trail work

On the day of our initial walk in, we determined that in order to have easier access to the claim location, work should be done clearing the old skidder trail that has become overgrown in recent years, for atv access closer to the mining claim location. This work was completed on 6 separate days. Tools used were handheld snippers and a chainsaw. Trail work was done on October 30, November 11, November 12 and November 14, 2020 and continued on May 14 and May 17, 2021. Total time worked on trail clearing for all workers combined was 49 hours and 10 minutes.

Grass Roots Prospecting

All grass roots prospecting was conducted on Claim ID 587562 and Cell ID 31L06J160. This work was completed on 3 separate days. These days were May 24, May 27 and May 29, 2021. Total time worked at determining the type of rocks and minerals at locations on the ridge for all workers combined was 26 hours and 20 minutes.

On preliminary walks around the claim, there was no obvious signs of any work done other than on a ridge with a vertical rock face about 10-15 meters in height. The rock face starts just north of Reynolds Lake at the south end of the claim, and runs roughly parallel along the north south boundary on the west side of the claim. All previous activity seems to have been concentrated on the area of the ridge

starting at the Reynolds Lake end going north ward about 30 – 50 meters. Trenching and broken rocks were found on the top of the ridge. The rock face of the ridge showed areas where samplings had been done and at the base of the rock face there were piles of jagged rock. Our prospecting work entailed searching and identifying the rocks and minerals above and below the rock face and identifying minerals in veins in the rock face about 30 metres north of Reynolds Lake.

Wanted to examine rock from small veins to determine what the rock consisted of. But after doing manual work, which consisted of much hammering and chiseling, any rock retrieved from the veins just crumbled. This crumbled rock consisted of pink orthoclase, transparent to translucent colourless, milky and whitish quartz, black biotite, light green muscovite and violet to orange-red almandine garnets.

Located in the same area where the veins are found is a section of the wall face measuring about a meter by two meters with well formed quartz crystals coated with hematite and measuring about a centimeter in length terminated with a pyramid. The quartz crystals are embedded in the diabase base rock and any attempts at chiseling out samples results in the breaking of the crystals.

The rock face consists of very hard rock, medium grained, light to medium grey in colour consistent with diabase.

Piles of jagged shattered rocks of all sizes are found on top of the ridge and at the foot of the rock face due to the original claimants blasting. The broken rocks at the foot of the face are partially buried in swampy conditions. Among the broken rocks were quartz drusy on diabase, transparent colourless to milky quartz crystals (about 1 to 2 cm) found on diabase and very few rocks with very pale amethyst – basically quartz crystals with a hint of purple on diabase rock.

Occasionally quartz crystals were found on felsic rocks.

On all the broken and shattered rocks, very few intact crystals were found. Most crystals were broken or had the tops of the crystals broken off.

Included is a sketch of the area where we were grass roots prospecting, noting outcrops and minerals of interest.

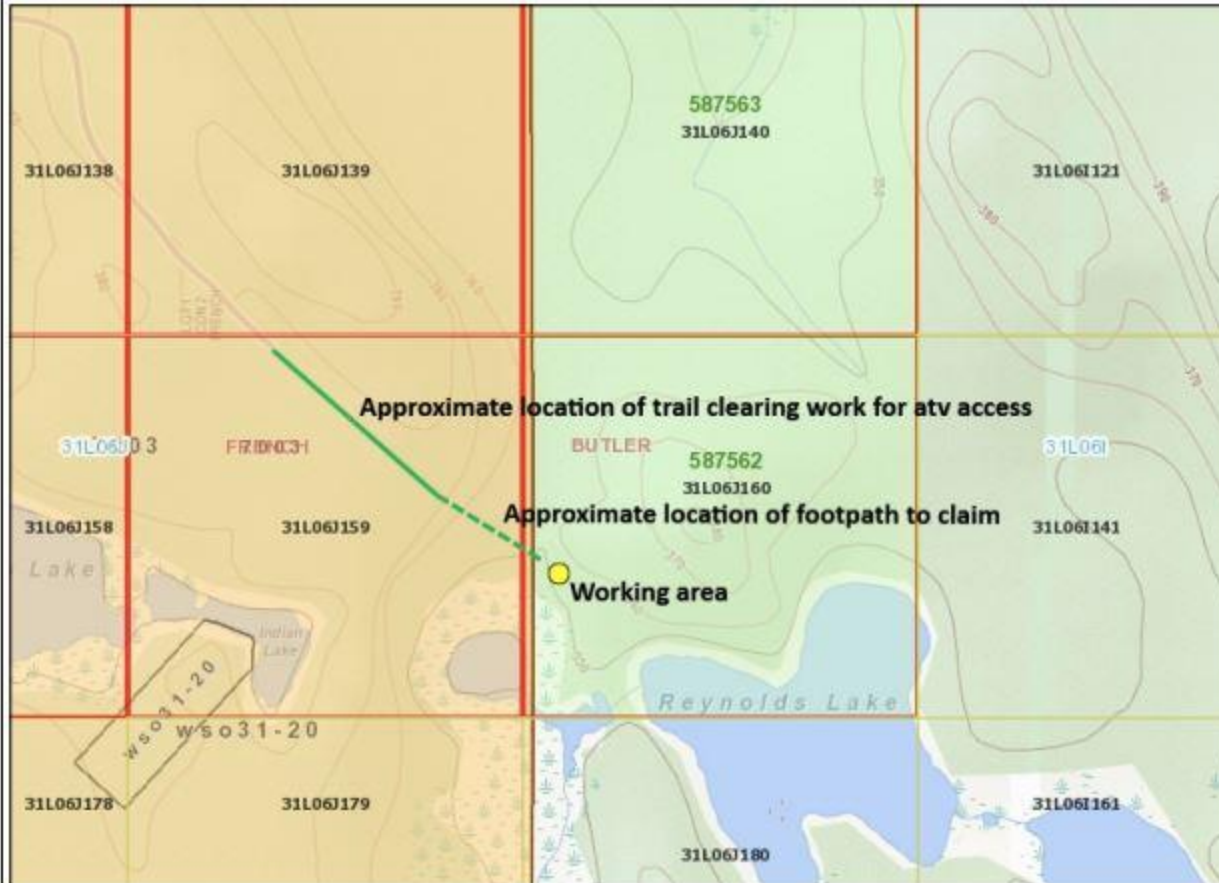
Manual Work

All manual work was conducted on Claim ID 587562 and Cell ID 31L06J160. The work was completed on 2 separate days. These days were November 9 and November 10, 2021. Total time worked at manual labour for all workers was 11 hours and 6 minutes.

Sifting through loose sand with hand tools at the top of the ridge exposed a few small (1-2 cm) colourless transparent broken quartz crystals and broken amethyst crystals in varying shades of purple.

Tried to hammer and chisel out a sample of hematite coated quartz crystals from the rock face, but couldn't get deep enough in to the rock face to get a good sample out.

Wanted to examine rock from small veins to determine what the rock consisted of. But after much hammering and chiseling any rock retrieved from the veins just crumbled. This crumbled rock consisted of pink orthoclase, transparent to translucent colourless, milky and whitish quartz, black biotite, light green muscovite and violet to orange-red almandine garnets (as described under grass roots prospecting).



Legend

- Provincial Grid Cell**
 - Available
 - Pending
 - Unavailable
- Mining Claims**
 - Mining Claim
 - Boundary Claim
- Alienation**
 - Withdrawal
 - Notice
- NDM Administrative Boundaries**
 - NDM Townships and Areas
 - Geographic Lot Fabric
 - UTM Grid 1K
 - UTM Grid 10K
 - Mining Division
 - Mineral Exploration and Development Region
 - CLUPA Protected Area - Far North
 - Resident Geologist District
 - Federal Land Other
 - Native Reserves
- AMIS Sites**
 - AMIS Sites
 - AMIS Features
 - Dirt Hole
 - Mineral Occurrences
- MLAS Mining History**
 - Withdrawal - History
 - Notice - History
 - Mining Claim - History
 - Mining Land Tenure - History
 - Legacy Claim
- Provincial Grid**
 - Provincial Grid 25K
 - Provincial Grid 50K
 - Provincial Grid Group
- Land Tenure**
 - Surface Rights
 - Mining Rights
 - Mining and Surface Rights
 - Order-in-Council

Those wishing to register mining claims should consult with the Provincial Mining Recorders' Office of the Northern Development and Mines (NDM) for additional information on the status of the lands shown hereon. This map is not intended for navigational, survey, or land title determination purposes as the information shown on this map is compiled from various sources. Completeness and accuracy are not guaranteed. Additional information may also be obtained through the local Land Titles or Registry Office, or the Natural Resources and Forestry. The information shown is derived from digital data available in the Provincial Mining Recorders' Office at the time of downloading from the Northern Development and Mines (NDM) web site.



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