

Kirkland Lake gold claims

Black Gold Mines property

Summary

The Black Gold Mine property(BGM) consists of a two staked claim unit L1199891 in Teck Twp, and four leased claim units being L71901, L71902 and L71903 in Teck Twp and L71904 contiguous in Lebel Twp., totalling about 225 acres. Close to 40 acres of leased surface rights are included with the leased claims which provides strategic locations to develop and drill from. The author acquired the staked claims in 2007, and an agreement to purchase the 4 leases was made in 2010. All mining services and supplies are readily available in the area. Hydro lines and roads cross the property. Skilled workers are numerous in the region as the area is experiencing heightened mining and exploration activity.

The property is located in Kirkland Lake directly south of, and contiguous to the Wright Hargreaves and the Toburn gold mines, two of the historic producing gold mines on the "Kirkland Lake Main Break". The seven mines in Kirkland Lake, of which only the Macassa Mine is still in production, have produced in excess of 27 million ounces of gold at an average grade of about .49 oz/ton. The productive breaks are generally quite extensive laterally and have been mined down to 8200 feet.

The property is eastward on strike of the very high grade, multi million ounce "South Mine Complex" presently yielding terrific exploration results on the adjacent property holding. Current drilling is successfully expanding the ore eastward. The Black Gold Mine property is the only land holding likely to host "South Mine Complex" gold presently available* in Kirkland Lake.

Favourable geology is present on the property. The property is underlain by Temiskaming aged sediments consisting of greywacke, polymictic conglomerate, tuff and small amounts of trachyte. Numerous Algoman aged feldspar porphyry dykes cut the sediments in a general east - west direction. This assemblage is the same as that of the productive mines adjacent to this property. Proven gold bearing laterally extensive quartz veins previously discovered on the property. Potential for ore shoots in this vein system is quite good. Gold bearing veins/breaks of the Kirkland Lake camp were mined only 1000 feet north of this property, on the Kirkland Townsite Mine property.

The key claim (shaft claim) was acquired in the early days of the camp. On the extreme north west of the property, there are three parallel quartz veins/breaks which were exposed on outcrop. They are numbered 1, 2, and 3 from north to south. They strike slightly north of east and dip steeply to the south. Frequent showings of visible gold were noted along the veins.

In around 1917, an inclined shaft was put down 125 feet and about 40 feet of drifting was done on the #1 vein. The vein was exposed by this work as a narrow quartz stringer dipping steeply to the south. The reported assays gave up to .72 oz/ton across 1½ feet.

In 1935, a cross-cut was driven south from the shaft on the 125 foot level. The #2 vein was drifted on for 205 feet to the east of the shaft, and for about 95 feet to the west of the shaft. Channel samples on the #2 vein showed values up to 2.52 oz/ton.

In around 1937, a total of 13 drillholes were put down to search for the possible extension of the 1, 2, and 3 veins in the shaft-area and to investigate the nearby

Murdock Creek fault. All holes gave numerous sections of gold values, with vein material assaying up to 1.4oz/t. Wide areas of alteration and pyrite mineralization are well detailed in the available drill logs. This vein system appears to have good continuity and been shown to be gold bearing across a strike length of about 500 feet to a depth of about 1000 feet, and is open on strike and dip.

The most complete set of assay results are from drill hole #1. A 820 foot (250m) section from 150 feet to 990 feet averaged about 0.725 grams /ton. Sludge return was lost at this point. Core assays were done on only about 102 feet of cores from this section which averaged about 1.14 grams. (The intended targeted veins and gold values were intersected further down hole)

Drilling of the Murdock Creek zone encountered a brecciated quartz-calcite zone with gold values across up to 39 foot core length, with one 8½ foot section assaying .128 oz/ton. This zone is open along strike and dip.

The property was dormant until the late 1960's when the mining rights reverted to the crown, and were made available for staking. The property was acquired by different stakings since then, but very little work other than sampling of the trenches has been conducted.

Sampling was done by the author to verify the auriferous nature of the exposed #2 vein in 2007-08. Assays of vein material showed up to .45 oz/t with average assay of about .25 oz/t and assays of pyritic wallrock assayed up to .25 oz/t with the average about .07 oz/t.in .

Drilling in 2011 at the Rand Mine area followed up the newly discovered 'albitite altered zone' expanded a new high grade gold system on strike 100 meters south of the common boundary, which returned values as high as 18 g/t Au over 2.0 m in previous drilling. The drilling has discovered a large alteration zone north of the North Harvey fault below the old mine workings on the Rand property. All holes intersected sediments and volcanics of the Timiskaming Group that are intruded by a number of narrow syenite porphyry dykes and wider, partially albitized syenite porphyries deeper in the holes. The gold mineralization as intersected to date is contained in altered albitized

syenite with quartz vein zones containing minor chalcopyrite, galena and molybdenum. (same as A.K.?) The mineralized horizon that measures 400 m long remains open to depth and to the **east**. Significant assay results announced during the 2011 drilling program are 19.96g/2.0m, 11.58g/2.00, and 8.38g/22.6m inc. 44.49g/3.6m (for details see News Release dated December 1, 2011).

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