



Occurrence Details

Occurrence Number: 116B 007

Occurrence Name: Virgin

Occurrence Type: Hard-rock

Status: Deposit

Date printed: 4/29/2025 7:05:32 AM

General Information

Secondary Commodities: copper, gold, lead, mercury, silver

Aliases: Gordon, Jean, Ophir

Deposit Type(s): Vein Au-Quartz

Location(s): 64°0'4" N - -139°14'9" W

NTS Mapsheet(s): 116B03

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

The first claim staked in the area appears to be the Ophir, etc cl (597). It was staked in Jun/01 but its exact location and owner is uncertain. The Gordon cl (6981) was staked to the east in May/04 by J. Whitelaw. It was located on eastern branch of the Discovery pup (on the east side of Bear Creek) approximately 1 km east of this occurrence.

This occurrence was staked as Virgin cl (10862) in May/08 by J. Whitelaw. Between 1902 and 1907 Whitelaw completed a 12 m adit on the Gordon claim, and a 6 m shaft, a 3 m adit, a 12 m long open-cut and numerous trenches on the Virgin claim. In Aug/09 Whitelaw staked Jean cl (11141) on the south or southwest side of the Virgin claim. Prior to a site visit in 1912 by T.A. MacLean, of the Canada Department of Mines, the Virgin claim was sold to G. Ericson.

The three claims appear to have been transferred to Klondike Gold Quartz Mines Ltd in 1913. The company installed a two stamp mill on the Virgin claim, sank a second shaft (10.7 m) and extended the adit to 88.4 m. The company is rumored to have recovered about \$5 000 in gold during the year.

The property was purchased in 1914 by Bear Creek Mining Company Ltd, which added a few claims and surveyed and leased several others in 1915. The property later reverted to Klondike Gold Quartz which reorganized in 1934 and attempted to install a larger mill. H.S. Bostock of the Canada Department of Mines visited the site in Aug/34.

Restaked as Hun cl 1-16 (Y65318) in May/72 by R.G. Hilker for Sullivan and Rogers, who conducted mapping and geochemical sampling later in the year and trenching in 1973. Restaked as Gos cl 1-2 (YA5138) in Jul/76 by F. Burkhard. F. Merryth surrounded the Gos claims with Lode cl 1-16 (YA49691) in May/80.

Dawson Eldorado Gold Explorations Ltd restaked the Lode claims as Klot cl 1-8 (YA65663) and staked Easy cl 1-6 (YA65445) to the north in Feb/83. The company performed mapping and geochemical surveys later in the year. Gallant Gold Mines Ltd staked Moon cl 1-55 (YA79671) to the northeast in Jan/84 and Penibe cl 1-31 (YA84296) to the east in Jul/84 and explored with mapping, sampling and an airborne EM survey later in the year and trenching in 1989.

Avanti Minerals Ltd restaked the Klot claims as Ski cl 1-8 (YB23395) in Dec/88.

Arbor Resources restaked the Klot claims as Pod cl 1-8 (YB30095) in Apr/90 and staked fractional claims Bulldozer 1 & 2 (YB39722) on Bear Creek, between the Pod and Moon claims in Dec/90. The company trenched geochemical soil anomalies on the Moon claims in early 1992.

In May/93 Arbor Resources (now operator of Dawson Eldorado's properties) optioned the Moon, Penibe and other Klondike regional claims to Kennecott Canada Inc. In Jun/93, Kennecott reprocessed 1987 airborne geophysical data and prospected, mapped and soil sampled on the Penibe claims. In Jan/95 Kennecott dropped its option and returned the claims to Arbor Resources.

In Jan/95 the Moon claims were transferred to Sultan Minerals Inc. M. Knutson restaked the Bulldozer claims as Kris cl 1-2 (YB48359) in April/94. The Penibe claims were transferred to Sultan Minerals Inc in Jan/96 which allowed the claims to lapse later in the year.

Barramundi Gold Ltd surrounded the 2 existing Gos claims with Fri cl 1-80 (YB94685) in Oct/96. The following year the company carried out a large regional prospecting, geological mapping and silt sampling program over their extensive Klondike regional claim holdings.

In Jun/99 Barramundi surrounded the Gos claims with Klondike cl 730-735 (YC16944) and cl 804-807 (YC17018) on the west side of Bear Creek. In Jul/99, the company optioned their entire Klondike regional claim holdings to KSL Exploration (Yukon) Ltd, a private company owned by Klondike Source Ltd of Australia.

Newmont Exploration of Canada Ltd staked Snow cl 1-36 (YC17791) on the east side of Bear Creek in Dec/99. It appears the company never carried out any work on the claims.

KSL Exploration carried out regional soil sampling and prospecting programs in 2000 and 2001. In 2002 the company completed a compilation study of all available geological and geochemical data and undertook a review of all geophysical data including a recently released regional airborne geophysical survey jointly funded by the Geological Survey of Canada and the Yukon Geology Program.

Capsule Geology

The area is underlain by blocky quartz-muscovite-(chlorite) schist with small quartz augen and abundant but barren, narrow foliaform quartz and quartz-feldspar swarms. The old workings on the property are either completely caved or have been covered by placer tailings. The workings were visited briefly by MacLean (1914) and Bostock (1935), and the results of these examinations are summarized below.

During MacLean's visit in 1912, the workings consisted of a shaft 7 m deep near the Discovery post on Bear Creek, a trench immediately southeast of the shaft, and a short (3.2 m) adit. MacLean stated that in the shaft 'the first 8 ft contained but little quartz; with increasing depth, stringers and bunches were encountered, and, for the last 10 ft the excavation is largely in quartz... A sample taken clear across the bottom (4 ft wide), panned good colors of gold'. Two samples of vein quartz from the trench yielded gold colors by panning. In the adit, veins and stringers of quartz were observed and these comprised up to 25% of the rock at the face. Four samples were taken from the adit by MacLean and all showed good colors in the pan. Gold content of samples collected from the property varied considerably, but two samples from the adit were reported by MacLean to have assayed 27.4 g/t and 30.9 g/t Au.

Bostock (1935) examined the property during the period that Klondike Gold Quartz Mines was developing it. As a result of his examination, Bostock stated: 'In the sides of shaft No. 1 the northern of the two shafts, three quartz veins are visible. They are 4 to 14 inches wide, strike between 118 and 130 , and dip northeast at angles of 50 to 70 . Shaft No. 2 is about 70 ft south and 30 ft east of shaft No. 1. On the south side of Shaft No. 2 there are two quartz veins 8' and 14' wide and 16' apart. They strike 130 and dip northeast at angles of respectively 55 and 70 . Approximately 25 ft southward along the strike two veins are exposed. These resemble and probably are continuations of the two veins seen in No. 2 shaft. The quartz of the veins is dense and white. A very few crystals of pyrite are present in the quartz in places and some iron stain occurs along fractures. It is reported that specks of free gold can be found in fractures in the veins. A large, trench-like excavation about 90 ft lower than and southeast of the shafts, and made where the veins in the shafts might be expected to occur, reveals a mass of quartz float and, in two places, quartz that may be in place. This quartz holds a little pyrite. No. 1 adit is approximately 110 ft lower than, and 325 ft south from, No. 2 shaft. The adit is 30 ft long and runs northwest directly into the hill. At its inner end a group of small veins, of quartz like that of the other veins described, occur. The veins are 1 to 4 inches wide, occur across a width of 45', strike 125 , and dip northeast at an angle of 5 . The entry of No. 2 adit is approximately 600 ft southeast of No. 2 shaft and at an elevation of about 1720 ft. From the portal the adit runs directly into the hill. It follows a course of 328 for approximately 200 ft and at the end of this distance bends to the northeast and continues along this course for nearly 90 ft. This adit, like the other workings, is in green schists. It cuts across a number of small, corrugated veins and lenses of quartz that tend to follow the planes of schistosity in the schists. In a few places large cubes of pyrite occur in the veins and in the schists. No veins in No. 2 adit were noted to cut across the schists in the direction followed by the veins in the shafts.'

Klondike Gold Quartz Mines, which did further development on the property after Bostock, presented the following gold assay data in a company prospectus prepared in late 1934 or early 1935:

Shaft No. 1: grab(?) samples taken at 0.6 m intervals from surface to a depth of 12 m;
total of 24 samples, range 3.8 to 260.2 g/t, avg. 30.5 g/t

Shaft No. 2: grab(?) samples taken at 0.6 m intervals from surface to a depth of 8.5 m;
total of 10 samples, range 7.2 to 75.8 g/t, avg. 26.4 g/t

No. 1 adit: grab(?) samples taken at roughly 3 m intervals from 8 m from portal to 18.3 m;
total of 5 samples, range 20.9 to 44.9 g/t, avg. 32.6 g/t

No. 2 adit: channel samples taken at 3 m intervals over 43 m interval from 21 m from
portal to 64 m from portal; total of 15 samples, range 20.9 to 100.1 g/t, avg. 36.7 g/t

channel samples at 1.5 m intervals over 21.3 m interval along crosscut beginning at
64 m from portal; total of 15 samples, range 20.9 to 185.8 g/t, avg. 40.8 g/t.

As stated above, the workings on the property are presently inaccessible and it is therefore impossible to verify these rather impressive assay results. In view of Bostock's description of the workings, however, the validity of these assays is somewhat questionable.

In summary, gold-bearing, discordant, slightly pyritic quartz veins occur at several locations on the property. Galena is locally present in trace amounts. The veins strike northwest, dip moderately to steeply to the northeast, and range from 2 to 40 cm in thickness. Blocks of vein quartz, apparently locally derived and containing trace amounts of pyrite in cubes and grain aggregates up to 2 cm in diameter, are present near Shaft No. 2. Some of these blocks are from discordant veins as much as 1 m in thickness and suggest the presence of relatively large veins in the immediate vicinity. The significance, if any, of the assay results quoted by Klondike Gold Quartz Mines remains uncertain. Gold is definitely present in at least micro-amounts in some of the vein material at the mouth of Discovery Pup (as noted by MacLean), and visible gold (associated with pyrite) has been found in discordant vein material in the chute to the ore bin at the old mill. Bostock's description of the wallrock in the No. 2 adit, however, suggests that all of the quartz present there is foliaform, and thus is unlikely to contain gold. The waste dump of the No. 2 adit has been removed during placer mining and cannot be sampled.

Soil sampling by Hilker Ltd in 1972 returned 2 moderate copper spot anomalies east of the original Gordon claim workings. Follow-up sampling did not return any anomalous results. Soil sampling conducted by Dawson Eldorado Gold Exploration Ltd in 1983 in the immediate area of the old workings returned numerous strong gold spot anomalies and two strong arsenic spot anomalies. Interpretation of the results was complicated by the fact the area had been extensively hydraulically placer mined. Thus determining the source of the gold was impossible.

Soil sampling carried out by Gallant Gold Mines Ltd in 1984 outlined a multi element soil anomaly on the east side of Bear Creek approximately 1.5 km northeast of the Virgin showings (on Moon claims 46 to 48 and 51 to 53). The anomaly is about 1 300 m long and 900 m wide and consists of moderate gold values coincident with strong barium, copper, iron and zinc and moderate lead values. A drill hole collared in Jan/87 on Moon cl 54 to test this anomaly intersected interlayered quartz muscovite schist and quartz graphite schist and significant cross cutting shear, fracture zones and quartz carbonate veining but no economic mineralization.

Hastings Management Corp. trenched geochemical anomalies on the Moon claims in 1992. Trenches 92TR12, 14 and 15 cut siliceous, pyritic sericite schist which contained up to 10.2 ppm silver, 1 440 ppm lead and 8 ppm mercury. Trench 92TR13 cut graphitic schist containing up to 175 ppb gold, 46 ppm silver and 347 ppm copper.

Kennecott's work on the Penibe claims outlined two base metal soil anomalies on the eastern boundary of the claim group (the area furthest from this occurrence) and a resistivity low in the southwest corner of the claim block (the area closest to the occurrence). Neither anomaly was ever followed up.

Barramundi silt sampled the streams surrounding the occurrence but no anomalies were found. KSL collected a line of soil samples on the Klondike claims approximately 2 km to the northeast which they analyzed using Mobile Metal Ion geochemistry. None of the samples were anomalous and the claims surrounding the occurrence were allowed to lapse in Dec/2002.

References

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ARBOR RESOURCES INC., Sep/92. Assessment Report #093046 by S. Tomlinson.

BARRAMUNDI GOLD LTD, Aug/97. Assessment Report #093711 by R. Stevens.

DAWSON ELDORADO GOLD EXPLORATION LIMITED, Jun/84. Assessment Report #091560 by J.K. Mortensen.

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KSL EXPLORATION (YUKON) LTD, Feb/2003. Assessment Report #094356 by R.G. Adamson, C.M. Thomas and P. Gunn.

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SILVER SCEPTRE RESOURCES LTD, Apr/87. Assessment Report #091750 by W.T. Dawson.

YUKON EXPLORATION AND GEOLOGY 1983, p. 277; 1984, p. 233-234.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 293.

Work History

Date	Work Type	Comment
12/31/2001	Geochemistry	KSL carried out regional soil sampling program.
12/31/2000	Geochemistry	KSL carried out regional soil sampling program.
12/31/1997	Geology	
12/31/1997	Geochemistry	
12/31/1997	Other	
12/31/1993	Geology	
12/31/1993	Geochemistry	
12/31/1993	Airborne Geophysics	Also magnetic data. Kennecott reprocessed 1987 airborne geophysical results from Moon claims.
12/31/1993	Other	
12/31/1992	Trenching	Trenched geophysical anomalies on Moon claims.
12/31/1990	Trenching	
12/31/1989	Trenching	
12/31/1983	Geology	
12/31/1983	Geochemistry	Also rock sampling.
12/31/1973	Trenching	
12/31/1972	Geology	
12/31/1972	Geochemistry	Also rock sampling.
12/31/1913	Development, Underground	Amount of work done: 99.1 METRES Shaft sinking & adit extension, installation of two stamp mill.
12/31/1902	Trenching	
12/31/1902	Development, Underground	Drove 2 adits, dug 1 shaft, dug 1 open crosscut.
12/13/2002	Pre-existing Data	Compiled all known data.
12/13/2001	Other	Regional program.
12/13/1984	Geochemistry	Also soil sampling.
12/13/1984	Geology	
12/13/1984	Airborne Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096285	2012	2012 Geochemical and Geological Assessment Report on the Bonanza Project	Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Prospecting - Other, Prospecting - Other, Backhoe - Trenching, Backhoe - Trenching		
096009	2011	"FucWasteIn" Claims, 2010-2011, Work Done on Claims: July to October 2011	Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Prospecting - Other, Prospecting - Other, Backhoe - Trenching, Backhoe - Trenching		
094316	2002	Assessment Report for the Renewal of Klondike, Bear, Gap, IF, Act, Git, Nug, and Wedge Claims	Soil - Geochemistry, Process/Interpret - Pre-existing Data		
093321	1994	1994 Annual Report on the Klondike Gold Project	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Prospecting - Other, Backhoe - Trenching		
093075	1992	Geological, Geochemical and Trenching Report on the Dawson Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching		
092071	1990	Geological, Geochemical, and Trenching Report on the Dawson	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Heavy Mineral Concentrate - Lab Work/Physical Studies		

026271	1990	Property	Geology, Heavy Mineral Concentrate - Lab Work/Physical Studies, Mechanical - Trenching		
092690	1988	Geological, Geophysical, Geochemical, and Trench Report for Work Performed by Mark Management Ltd. on the REEF Grid	All Weather Road - Development, Surface, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Line Cutting - Other, Mechanical - Trenching		
091981	1987	Report on Combined Helicopter Borne Electromagnetic, Magnetic, and VLF-EM Survey	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
120071	1985	Preliminary Report on the Bear Creek Placer Project	Data Compilation - Pre-existing Data, Research/Summarize - Pre-existing Data		
091807	1985	Geological, Geochemical and Geophysical Report for Work performed by Mark Management on the Dawson Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Petrographic - Lab Work/Physical Studies, Mechanical - Trenching		
091560	1983	Assessment Report on KLEAN 1-12 Claims	Regional Bedrock Mapping - Geology		
091563	1983	Assessment Report on Klot 1-8 Claims	Soil - Geochemistry, Regional Bedrock Mapping - Geology		
091546	1983	Regional Geochemical and Geophysical Report on the Syndicate, Dawson, William, 83, 98, Wild, and Wild Card Claims	Magnetic - Airborne Geophysics, Bedrock Mapping - Geology, EM - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Data Compilation - Pre-existing Data		
060149	1972	Geological and Geochemical Report Yukon Quartz Mineral Claims	Silt - Geochemistry, Soil - Geochemistry		