



Occurrence Details

Occurrence Number: 1150 073
Occurrence Name: Violet
Occurrence Type: Hard-rock
Status: Deposit
Date printed: 10/3/2025 10:03:08 PM

General Information

Primary Commodities: gold
Secondary Commodities: barite, copper, lead, silver
Deposit Type(s): Vein Au-Quartz
Location(s): 63°51'25" N - -139°16'50" W
NTS Mapsheet(s): 115014
Location Comments: 1 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Violet (208A), Ruth (1804), etc. in January to June 1901 by A.E. Bendin, who formed Violet Mining Company Ltd. By 1907, it had completed \$60,000 of development on the Violet group including: 3 shafts (47 m, 7 m and 11 m deep); 133 m of drifting and an open cut mining (15 m by 4 m by 5 m); and a 1065 m tramway to a cyanide mill on Ophir Creek. The mill processed 4.5 tonnes in 1905 and 1.4 tonnes in 1906. The company took 11 claims to lease status.

Re-staked as Ophir cl (56180) in March, 1947 by Ophir Mining Syndicate and as Vi cl 1-15 (YA55285) in May, 1981 by Ebony Resources Ltd, which performed a photogrammetric survey in 1981 and geochemical sampling in 1982. The claims were transferred to Silvercrest Resources Corporation, which performed mapping and sampling in 1983 and geochemical sampling and hand pitting in 1984. The claims were transferred to Dawson Eldorado Mines Ltd in 1985. Arbor Resources Ltd tied on Rado cl 1-189 (YB17102) to the south and west in June and July 1988 and trenched and sampled the Violet vein in 1990.

Kennecott Canada Inc. optioned the property and conducted a program of soil sampling, prospecting and geological mapping on the Rado claims in June, 1993. In 1994, the occurrence was explored by Kennecott as part of the larger Lone Star property project. The company digitized all previous exploration data before they carried out reconnaissance mapping and rock sampling. A previously sampled soil grid located on the property was resampled using a backpack soil auger. In November, 1994 Arbor transferred a 20% interest in the remaining Rado claims to each of Rise Resources Inc. and Wealth Resources Ltd. (both affiliated companies). In January, 1995 Kennecott terminated its option agreement. In January, 1996 Arbor changed its name to Klondike Gold Corp.

In March, 1996 Barramundi Gold Ltd. staked OC cl 1-118 (YB683790) to the west overtop the expired Rado claims.

Klondike Gold Corp. optioned a 50% interest to Klondike Star Mineral Corp. (KSMC), which became a 50/50 joint venture in 2005. Klondike Star Mineral Corp held a 55% interest in the claims in 2005 and took two bulk samples in 2006 from the edge of a large, historic bulldozer trench (90-TR-V1) located approximately 100 m northwest of the Violet mine shaft. A variety of work was performed on the adjacent Lone Star claims (MINFILE occurrence 1150 072) between 2007 and 2011 by KSMC, including diamond and percussion drilling, mapping, soil and rock geochemistry, and bulk samples; however, no work was done in the Violet area during this time.

Klondike Gold Corp. resumed work in 2011 and purchased Klondike Star Mineral Corp. in 2015 to restore a 100% interest. In 2012, Klondike Gold Corp. performed property wide prospecting, soil surveys, trenching and bedrock mapping that included the Violet zone.

In 2016, Klondike Gold Corp. drilled seventeen NQ holes at the Violet zone after mapping and prospecting in the area early in the exploration program yielded significant results. A total of nine holes tested the "310" area over a 550 metre strike length, four holes tested the "Isaac" area over a 175 metre strike length and four holes tested below the Violet mine over a 450 metre strike length.

Regional & Property Geology

The Violet zone, similar to the Lone Star zone (MINFILE occurrence 1150 072), is located within the Klondike region, which is underlain by the Permian Klondike Schist Assemblage of the Yukon-Tanana terrane (YTT). The Klondike Schist represents a transition from plutonism to arc volcanism that has undergone greenschist facies metamorphism and consists of metaplutonic Sulphur Creek orthogneiss in the west that transitions eastward to a package of metavolcanic and metasedimentary units including: felsic to mafic (quartz-mica ± chlorite) schist, graphitic schist, and quartz augen schist. Evidence of five deformation events (D1 to D5) are present in within the Klondike Schist Assemblage as a result of obduction and regional thrusting and faulting related to uplift, which have produced a visible S2 and S3 foliation fabric in the schist units.

The lithological units of the Klondike region commonly contain both large, foliaform quartz veins associated with D3 folding and thrusting and discordant quartz veins possibly associated with D4 brittle faulting. Mineralization is generally hosted in the discordant quartz veins, however, the exact mineralization age and timing in the Klondike region is currently unknown. A structural mapping program completed by SRK Consulting Inc. in 2018 on the Klondike claims in the Lone Star property area identified a newly defined "D4" fault system interpreted to be the primary conduit for gold mineralization fluids that suggests a younger mineralization age than previously assumed.

Mineralization & Results

Several massive white quartz-barite veins in the Violet area cut flaggy, quartz and feldspar augen-bearing, quartz-muscovite schist of the Permian Klondike Schist Assemblage. The largest vein is 1.2 to 2.0 m wide and strikes east-west along the contact between augen schist and a mafic dyke. The vein dips 80° to the south and has been traced 80 m into a lineament that extends 1 km farther. Minor amounts of pyrite, galena and chalcopyrite occur in small pockets along the vein and visible gold can be found occasionally in limonitic boxwork after pyrite. Remapping of the historical 1990 trench 90TRV01 in 2005 by KSMC determined that mineralization hosted in quartz veins in the Violet area have high, but erratic grades overall. Mapping in 2016 by Klondike Gold traced the gold-bearing veins in outcrop at the Violet occurrence along a 2,200 metre strike length at surface.

Surface assays of up to 130.2 g/t Au were reported by early workers on the Violet group, but no assays are available from the underground workings. MacLean took 25 samples on surface, of which 20 contained no gold or silver. Two of six grab samples from 136 tonnes of quartz on the dump of the main shaft assayed 1.4 g/t and 3.4 g/t Au and 10.3 g/t and 3.4 g/t Ag, respectively. A 0.6 m channel sample containing sulphides from a trench assayed 3.1 g/t Au and 20.5 g/t Ag. A grab sample containing sulphides from a shaft dump assayed 1.4 g/t Au and 20.6 g/t Ag, while a 3.2 m channel sample from the face of an adit assayed 0.7 g/t Au and 1.0 g/t Ag. A selected sample of quartz-barite vein material collected 600 m north of

the main shaft by Gleeson assayed 0.7 g/t Au, 1.4 g/t Ag, 1.4% Pb and 1.3% Ba. A selected sample collected from the dump of the main shaft by Debicki assayed 3.0 g/t Au and 3.8 g/t Ag.

Arbor's trenching in 1990 uncovered two parallel veins which assayed 3.7 g/t Au over 0.76 m and 4.6 g/t Au over 1.0 m, respectively.

In 1994, Kennecott used the previous soil grid located on the Violet property to verify the effectiveness and accuracy of a backpack soil auger. The auger survey outlined a weak, northwesterly striking gold ± barium anomaly leading Kennecott to carry out a property wide reconnaissance auger soil survey. No new mineralized zones were discovered on the Lone Star property (which included the Violet occurrence).

Two bulk samples were taken by Klondike Star Mineral Corp. in 2006 from the edge of historic 1990 trench 90-TR-V1 that weighed 1.9 tonnes and 5.7 tonnes and returned 1.23 g/t Au and 0.86 g/t Au, respectively.

In 2012, Klondike Gold Corp. performed property wide prospecting, soil surveys, trenching and bedrock mapping that included the Violet zone. Remapping and sampling of the previously bulk sampled historical trench, 90-TR-V1, determined gold bearing quartz veins are not equally mineralized. Sampling of the trench also returned anomalous gold values up to 6.23 g/t Au over 0.7 m. Soil geochemistry in the area returned anomalous gold values ranging from 20 ppb to 100 ppb Au in two parallel trends and prospecting samples returned gold values up to 47.4 g/t Au and 524 g/t Ag in grab samples taken near the Violet mine ore pile.

Prospecting performed in 2015 by Klondike Gold Corp. returned samples from the Violet area with values up to 47.4 g/t Au and 894 g/t Ag.

In 2016, Klondike Gold Corp. drilled seventeen holes in the Violet area with a major focus on the "310" (9 holes), "Isaac" (4 holes) and Violet mine (4 holes) areas after mapping and prospecting early in the 2016 season returned significant results. The mapping program traced the quartz veins in the area over a 2,200 metre strike length at surface and prospecting returned 25 grab sample values between 0.5 g/t Au and 59.2 g/t Au. No economic grades or widths were encountered in the drill holes, though quartz veins intersected by drilling returned very narrow mineralized widths of up to 4.1 g/t Au over 0.44 metres.

Work History

Date	Work Type	Comment
12/31/1994	Geochemistry	Further auger soil sampling to follow up on previous year's work.
12/31/1993	Geology	Work carried out on Rado claims by Kennecott Canada Inc.
12/31/1993	Geochemistry	Work carried out on Rado claims by Kennecott Canada Inc.
12/31/1993	Other	Work carried out on Rado claims by Kennecott Canada Inc.
12/31/1990	Trenching	
12/31/1984	Geochemistry	
12/31/1984	Geochemistry	
12/31/1984	Trenching	
12/31/1984	Other	
12/31/1983	Geochemistry	
12/31/1983	Geology	
12/31/1983	Geochemistry	
12/31/1983	Other	
12/31/1982	Other	
12/31/1981	Studies	
12/31/1907	Development, Surface	
12/31/1907	Trenching	
12/31/1907	Other	
12/31/1907	Other	Sank 3 shafts (47, 7 and 11 m deep) and completed 133 m of drifting.
12/31/1906	Other	
12/31/1905	Other	
12/13/2016	Geochemistry	
12/13/2016	Drilling	Seventeen NQ diamond drill holes.
12/13/2016	Geology	
12/13/2015	Other	
12/13/2012	Geology	
12/13/2012	Geochemistry	
12/13/2012	Trenching	
12/13/2012	Other	

12/13/2006	Lab Work/Physical Studies	Two bulk samples.
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Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097066	2015	Report on Diamond Drilling, Prospecting, and Ground Magnetism on the Lone Star Property, Dawson Mining District, Yukon Territory, Canada	Diamond - Drilling, Rock - Geochemistry, Magnetism - Ground Geophysics	19	1369.30
096398	2012	Diamond Drilling, Trenching, Soil Sampling, Rock Sampling, and Prospecting at the Lone Star Property	All Weather Road - Development, Surface, All Weather Road - Development, Surface, Diamond - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Drill Core - Geochemistry, Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Prospecting - Other, Prospecting - Other, Backhoe - Trenching, Backhoe - Trenching	8	2762.20
094919	2007	Diamond Drilling, Rotary Drilling, Geological Mapping, Rock and Soil Geochemistry, IP Geophysics, Trenching and Bulk Sampling on the Lone Star Property	Diamond - Drilling, Percussion - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, IP - Ground Geophysics, Bulk Sample - Lab Work/Physical Studies, Petrographic - Lab Work/Physical Studies, Resource Estimate - Studies, Hand - Trenching	11	1314.10
094638	2006	Diamond Drilling, Geological Mapping, Rock and Soil Geochemistry, IP Geophysics, Trenching and Bulk Sampling on the Lone Star	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, IP - Ground Geophysics, Bulk Sample - Lab Work/Physical Studies, Resource Estimate - Studies, Mechanical - Trenching	23	2892
094579	2005	Diamond Drilling, Geological Mapping, Rock and Soil Geochemistry, Trenching and Bulk Sampling on the Lone Star Property	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, IP - Ground Geophysics, Bulk Sample - Lab Work/Physical Studies, Prospecting - Other, Backhoe - Trenching, Mechanical - Trenching	32	5429.40
093321	1994	1994 Annual Report on the Klondike Gold Project	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetism - Ground Geophysics, Prospecting - Other, Backhoe - Trenching		
093208	1993	Assessment Report on a 1993 Prospecting, Soil Sampling, Mapping, and Drilling Program	Reverse Circulation - Drilling, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other	1	99.10
093075	1992	Geological, Geochemical and Trenching Report on the Dawson Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching		
092162	1991	Geological, Geochemical, and Trenching Report on the Lone Star Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Backhoe - Trenching		
092969	1990	Geological and Geochemical Report on the Lone Star Property	Reverse Circulation - Drilling, Drill Cuttings - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, IP - Ground Geophysics, Line Cutting - Other, Data Compilation - Pre-existing Data, Mechanical - Trenching	45	2796
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, Magnetism - Ground Geophysics, Line Cutting - Other, Mechanical - Trenching		
091760	1987	Report on Combined Helicopter Borne Electromagnetic, Magnetic, and VLF-EM Survey Bonanza-Eldorado Creek Area	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics		
092132	1987	Geological, Geochemical, Geophysical, Diamond and Rotary Drilling Report on the Lone Star Property	Magnetic - Airborne Geophysics, Diamond - Drilling, Rotary - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, IP - Ground Geophysics, Mechanical - Trenching	50	5753.40
091487	1983	Representation Work Report Klondike District on Violet Gold Quartz Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other		
091399	1981	Gold Potential Evaluation Report Klondike District on Violet Gold - Quartz Property	Orthophoto - Airphotography, Cursory Property Visit - Other, Data Compilation - Pre-existing Data		
060149	1972	Geological and Geochemical Report Yukon Quartz Mineral Claims	Silt - Geochemistry, Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
1996-1(G)	Geological Compilation Maps of the Northern Stewart River Area, Klondike and Sixty mile Districts (115N/15, 16, 115O/13, 14 and Parts of 115O/15, 16)		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)