



Occurrence Details

Occurrence Number: 1150 076
Occurrence Name: Hilchey
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 4/29/2025 7:19:00 AM

General Information

Secondary Commodities: gold, lead, silver
Deposit Type(s): Vein Au-Quartz
Location(s): 63°53'41" N - -139°18'33" W
NTS Mapsheet(s): 115014
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Star cl (57901) in December, 1953 by S. Babler and optioned in January, 1961 by Klondike Lode Gold Mines Ltd., which added the Sol, etc cl (78911) and explored with bulldozer trenching in 1961 and 5 diamond drill holes (194 m) in 1962. Re-staked as Sul cl 1-32 (Y65433) in May, 1972 by R.G. Hilker for Sullivan and Rogers, who carried out mapping and soil geochemistry surveys later in the year and a small bulldozing program in 1973.

Re-staked as Dorado cl 1-12 (Y99937) in July, 1975 by G.R. Hilchey. Re-staked as Ron cl 1-40 (YA10300) in July, 1977 by G.J. McGinn and transferred in May, 1978 to Klon Exploration Company Ltd., which explored with mapping, VLF-EM and magnetics surveys and 3 diamond drill holes (331 m) in 1978-1979.

Klondike Ken Ventures Inc. tied on DN cl 1-4 (YA32783) in July, 1979, bulldozer trenched in 1980 and optioned the claims to Dawson Eldorado Gold Explorations Ltd. in 1981. Dawson Eldorado explored with geochemical sampling and rock sampling of nearby old workings in 1984. W. Hawkes tied on Hawk cl 1-139 (YA79989) to the west in July, 1984, performed geophysical surveys and trenching in 1984, and optioned the claims to Arbor Resources Inc., which explored with airborne and ground magnetics and geochemical surveys, trenching and 2 rotary holes (198 m) later that year. Arbor Resources performed mapping, trenching and magnetics, VLF-EM and soil geochemistry surveys in 1985 and geochemistry, geophysics, bulldozer trenching, rotary drilling and road construction in 1987.

Faith Mines Ltd. optioned 50% of Arbor's interests in June, 1989 and performed geochemical surveys and trenching later that year. Arbor conducted an IP survey and drilled two rotary holes in 1990. The DN, Hawk and Ron cl were transferred to Kennecott Canada Inc. in May, 1993 as part of an option agreement. In January, 1995 the DN, Ron and Hawk claims were transferred back to Arbor Resources Inc. In January, 1996 Arbor Resources Inc. re-organized and changed its name to Klondike Gold Corporation.

Capsule Geology

The area is underlain by strongly deformed, blocky weathering, quartz augen-bearing quartz-muscovite-chlorite schist (unit Psa) with isoclinal folds or interlayers of muscovite-quartz schist and carbonaceous phyllite (unit Psqm). Isotopic age determinations (Mortensen, 1996) reveal a middle Permian crystallization age of 261 to 263 My for Psqm. A number of narrow, southwest-dipping shear zones cut the schist. The drill holes encountered hydrothermal alteration, including some quartz veining, pyrite and traces of galena, in the hanging wall of the fault. Low gold values were obtained in some of the quartz-rich sections, but core recovery was poor.

The 1987 surveys on the Hawk group outlined an extensive silver and base metal geochemical anomaly, but trenching and drilling produced disappointing results. In 1990, Arbor Resources obtained assays of 7.0 and 4.4 g/t Au from narrow quartz veinlets. Drillhole 90R47 intersected 9.1 m grading 1.1 g/t Au.

Work History

Date	Work Type	Comment
7/1/2019	Remote Sensing	
12/31/1990	Drilling	Two holes, part of larger regional program.
12/31/1990	Ground Geophysics	
12/31/1989	Geochemistry	Also rock sampling.
12/31/1989	Trenching	
12/31/1987	Drilling	
12/31/1987	Geochemistry	Also rock sampling.
12/31/1987	Trenching	
12/31/1987	Airborne Geophysics	Also magnetometer and VLF-EM surveys.
12/31/1987	Development, Surface	
12/31/1985	Geology	
12/31/1985	Geochemistry	Also rock and heavy mineral samples.
12/31/1985	Ground Geophysics	Also VLF-EM survey.

12/31/1985	Trenching	
12/31/1984	Drilling	Two holes, 198 m.
12/31/1984	Geochemistry	
12/31/1984	Other	
12/31/1984	Trenching	
12/31/1984	Ground Geophysics	Type not specified.
12/31/1978	Geology	
12/31/1978	Drilling	Three holes, 118.6 m.
12/31/1978	Ground Geophysics	Also VLF-EM survey.
12/31/1973	Trenching	
12/31/1972	Geology	
12/31/1972	Geochemistry	
12/31/1962	Drilling	Five holes, 194 m.
12/31/1961	Trenching	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097066	2015	Report on Diamond Drilling, Prospecting, and Ground Magnetics on the Lone Star Property, Dawson Mining District, Yukon Territory, Canada	Diamond - Drilling, Rock - Geochemistry, Magnetics - 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, 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, 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		
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
092860	1989	Geological, Geochemical and Trenching Report on the Dawson Property	Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Heavy Mineral Concentrate - Lab Work/Physical Studies, Mechanical - Trenching		
092691	1988	Geological, Geochemical, Geophysical and Trenching Report on the Dawson Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, IP - Ground Geophysics, Bulk Sample - Lab Work/Physical Studies, Column Leach Test - Lab Work/Physical Studies, Heavy Mineral Concentrate - Lab Work/Physical Studies, Metallurgical Tests - Lab Work/Physical Studies, Petrographic - Lab Work/Physical Studies, Prospecting - Other, Mechanical - Trenching		
092600	1988	Geological, Geophysical, Geochemical, and Trench Report for Work	All Weather Road - Development, Surface, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground		

0926020	1900	Performed by Mark Management Ltd. on the REEF Grid	- Geochemistry, Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Line Cutting - Other, Mechanical - Trenching		
091760	1987	Report on Combined Helicopter Borne Electromagnetic, Magnetic, and VLF-EM Survey Bonaza-Eldorado Creek Area	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, VTEM - Airborne Geophysics		
092126	1987	Geochemical, Geophysical, Trench, and Rotary Drilling on the HAWK Property	Rotary - Drilling, Drill Cuttings - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Line Cutting - Other, Surveying - Other, Mechanical - Trenching	2	198
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
091750	1986	A Report on Magnetic, Electromagnetic and Induced Polarization Surveys	EM - Ground Geophysics, IP - Ground Geophysics, Magnetics - Ground Geophysics		
091754	1986	A Report on Magnetic and Induced Polarization Surveying	IP - Ground Geophysics, Magnetics - Ground Geophysics		
091756	1986	Geological, Geochemical and Diamond and Rotary Drilling Report on the Lone Star Property	Diamond - Drilling, Reverse Circulation - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, IP - Ground Geophysics, Magnetics - Ground Geophysics, Mechanical - Trenching	52	5425.14
091808	1985	Geological, Geochemical and Geophysical Report for Work Performed by Mark Management Ltd. on the Hawk Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, 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		
091463	1979	A Geological Report on the RON Groups Eldorado Creek	Diamond - Drilling, Percussion - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Petrographic - Lab Work/Physical Studies, Line Cutting - Other	28	1215.94
090479	1978	A Geological Report on the RON Group	Percussion - Drilling, Drill Cuttings - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies	3	118.60
090390	1977	A Geological Report on the RON Group	Soil - Geochemistry, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Petrographic - Lab Work/Physical Studies, Prospecting - Other		
060149	1972	Geological and Geochemical Report Yukon Quartz Mineral Claims	Silt - Geochemistry, Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC004676	Report from Klondike prospective venture		Property File Collection	Report
1996-1(G)	Geological Compilation Maps of the Northern Stewart River Area, Klondike and Sixtymile 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)

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
86-AOR-FG-1	Lone Star	1987	NQ	12	2
86-AOR-FG-2	Lone Star	1987	NQ	19	2
86-AOR-FG-6	Lone Star	1987	NQ	10	3
86-AOR-FG-9	Lone Star	1987	NQ	15	2
87-D5	Lone Star	1987	HQ-NQ	18	1
87-D8	Lone Star	1987	HQ-NQ	10	1