



Occurrence Details

Occurrence Number: 106D 039
Occurrence Name: Grey Copper Hill
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 8/5/2025 8:27:08 AM

General Information

Secondary Commodities: copper, gold, lead, silver, zinc
Aliases: Taf, Jet, Pickney
Deposit Type(s): Manto Polymetallic Ag-Pb-Zn, Vein Polymetallic Ag-Pb-Zn+/-Au
Location(s): 64°26'10.53" N - -135°15'19.66" W
NTS Mapsheet(s): 106D06
Location Comments: Coordinates supplied by ATAC 2019
Hand Samples Available: No
Last Reviewed: May 22, 2019

Capsule

Work History

Staked as the Grey Copper King claim (14902) by R. Fisher and the Silver Queen cl (14901) by L.B. Erickson in October, 1923. The Grey Copper King (Fractional) cl (16527) was added immediately west of the Silver Queen cl in September, 1924 by J. McCloskey.

In 1927, Langham and Forrest drove a 6.1 m adit on the Grey Copper King Fraction, Fisher drove a 3 m adit on the Grey Copper King claim and a boundary dispute resulted in a legal survey in August, 1927. A 7.3 m adit was driven on the neighboring Dominion claim in 1929.

Re-staked as the Mac D cl (61567) in April, 1951 by G. Dickson, who cleaned out the old adits; as Jet cl 1-16 (Y26622) & Fisher cl 17-19 (Y14998) and cl 20-47 (Y27001) in July, 1968 by L. Proctor and P. Verslucce, who performed an evaluation survey in June, 1969; as FXE cl 1-16 (Y68390) in August, 1972 by Cypress Resources Ltd; and as Lin cl 1-24 (Y87280) in February, 1974 by Hesca Resources Corporation Ltd., which carried out prospecting and soil sampling, drilled 2 x-ray holes (56.3 m), hand trenched, and opened an old adit later in the year.

Re-staked as Silver Hawk cl 1-16 (YA30639) in June, 1978 by Prism Resources Ltd., which performed soil sampling and geophysical surveys in 1978 and more geochemical sampling in 1979 and 1980; and as Nancy Bea cl 1-8 (YA77313) in August, 1983 by H. Moritz, who performed hand trenching in 1984; and as TAF cl 1-16 (YB2079) in February, 1988 by C. Thomas, who did mapping later that year.

In October, 1994, D. Hajek re-staked the vein with a series of small claim groups. The actual vein appears to be covered by White cl 9-10 (YB43403). Other claims staked at the same time were Lucky Ace 1-2, Lucky Jane 3-4, Lucky 5-6, Ate 7-8, Blue 21-24, Junniper 25-26, Tarmigan 11-12, and Eat 13-14.

Re-staked as Pickney cl 1-4 (YC39575) in August, 2005 by C. Thomas. Metallic Minerals Corp. optioned from C. Thomas in the fall of 2017.

Regional & Property Geology

The occurrence area is situated on the summit of Grey Copper Hill, northeast of the confluence of Police Creek and Carpenter Creek, approximately 33 km due north of McQuesten Lake. The area was regionally mapped by L. Green (1972) of the Geological Survey of Canada in 1961 as part of a helicopter-supported party known as Operation Ogilvie.

The occurrence is underlain by Paleoproterozoic Gillespie Lake Group (silty dolostone, siltstone, shale with lesser conglomerate) in the northern domain and Upper Cambrian to Devonian Bouvette assemblage (limestone, dolomite, conglomerate, black shale and dolostone) in the southern domain. A small section in the southern corner of the occurrence area is underlain by Cambrian to Silurian Menzie Creek formation (Marmot Group) volcanics.

At the occurrence, tetrahedrite was found with pyrite in siderite veins on the Grey Copper King claim, where a chip sample assayed 1,782.8 g/t silver across 40 cm. Wall rocks are thin-bedded chlorite schist and quartzite likely belonging to the Marmot assemblage that are cut by (Triassic in age ?) small sills or dykes. Float was found farther uphill on the King Tut and Silver Queen claims and tetrahedrite float assaying up to 37,713.3 g/t silver was rumored to come from this area but was never substantiated.

Mineralization & Results

Slightly mineralized quartz vein material containing siderite, chalcocite, sphalerite, and chalcopyrite was noted at the old workings in 1969. Specimens taken from the old adit by Prism Resources assayed 4.9% copper and 2,057 g/t silver, while a specimen of apparently unmineralized yellowish dolomitic sandstone assayed 58.3 g/t silver and 0.6% lead and a specimen of clean tetrahedrite float assayed 6 994.1 g/t silver.

A weak copper anomaly drilled in 1974 is underlain by altered greenstone dykes and sills that are cut by widely spaced, narrow quartz and calcite veins carrying disseminated chalcopyrite.

Work History

Date	Work Type	Comment
12/31/1988	Geology	
12/31/1988	Geochemistry	
12/31/1988	Other	
12/31/1988	Trenching	

12/31/1984	Trenching	
12/31/1980	Geochemistry	
12/31/1979	Geology	
12/31/1979	Geochemistry	
12/31/1978	Geochemistry	
12/31/1974	Drilling	Two holes, 56.4 m. X-ray size holes.
12/31/1974	Geochemistry	
12/31/1974	Development, Underground	Opened an old adit.
12/31/1974	Trenching	
12/31/1974	Other	
12/31/1969	Other	
12/31/1951	Development, Underground	Cleaned out old adits.
12/31/1929	Development, Underground	Drove adit 7.3 m on Dominion claim.
12/31/1927	Development, Underground	Drove adits ~ 9.15 m long on the Grey Copper King and fractional claim.
12/31/1927	Other	Carried out to solve boundary dispute.
12/13/2019	Geochemistry	
12/13/2018	Geochemistry	
12/13/2018	Geology	
12/13/2018	Geochemistry	
12/13/2018	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097241	2018	2018 Assessment Report	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
096939	2015	Technical Report and Preliminary Economic Assessment for the Tiger Deposit, Rackla Gold Project	VTEM - Airborne Geophysics, ZTEM - Airborne Geophysics, Mill/Concentrator Construction - Development, Surface, Tailings Pond - Development, Surface, Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Gravity Survey - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics, Metallurgical Tests - Lab Work/Physical Studies, Data Compilation - Pre-existing Data, Data Compilation - Pre-existing Data, Environmental Assessment/Impact - Studies, Preliminary Economic Assessment - Studies, Resource Estimate - Studies	150	26846.60
096607	2012	Assessment Report Describing Metallurgical Testing, Wildlife Monitoring, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Heritage/Archeological - Studies		
096597	2012	Assessment Report Describing Geochemical Sampling, Auger Sampling, Geological Mapping, Diamond Drilling, and Geophysical Surveys	Air Strip - Development, Surface, Auger - Drilling, Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Gravity Survey - Ground Geophysics, Magnetism - Ground Geophysics, Prospecting - Other, Hand - Trenching	172	37340.37
095938	2011	Assessment Report Describing Geochemical Sampling, Geological Mapping and Remote Sensing Surveys at the Rackla Gold Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, LIDAR - Remote Sensing, Heritage/Archeological - Studies		
095721	2010	Assessment Report Describing Geophysics, Soil Geochemistry and Diamond Drilling at the Rau Property	Electromagnetic - Airborne Geophysics, Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Diamond - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Soil - Geochemistry, Soil - Geochemistry, Downhole Survey - Ground Geophysics, Gravity Survey - Ground Geophysics, IP - Ground Geophysics	170	36900.84
092670	1988	Assessment Report on the Taf Claims	Rock - Geochemistry, Prospecting - Other		
090649	1980	Soil Geochemistry of the Silver Hawk Claims	Soil - Geochemistry, Prospecting - Other		
090568	1979	Geology of the Silver Hawk Claims	Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
060186	1969	Property Evaluation Report on the Jet Claim Group	Cursor Property Visit - Other, Prospecting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC008089	Castle Ridge detail area map - 1974		Property File Collection	Geoscience Map (General)
ARMC011912	Geology compilation map - Castle Ridge detail area - Reef project - Figure 8		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC008073	Geochemical values map - Reef project - Castle Ridge detail area - Figure 9		Property File Collection	Geochemical Map
ARMC008074	Castle Ridge geochem map - Reef project - Figure 21		Property File Collection	Geochemical Map
ARMC008088	Castle Ridge detail area map - 1976		Property File Collection	Geoscience Map (General)
2003-9(D)	Yukon Digital Geology (version 2)		Yukon Geological Survey	Open File (Geological - Bedrock)
1990-3	Geology of 106D/8 & 7 (East Half) Map Areas		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Open File (Geological - Bedrock)
10	Geology and Mineral Occurrences of Slats Creek, Fairchild Lake and "Dolores Creek" Areas, Wernecke Mountains (106D/16, 106C/13, 106C/14), Yukon Territory		Indian & Northern Affairs Canada/Department of Indian & Northern Development: Exploration & Geological Services Division	Bulletin