



Occurrence Details

Occurrence Number: 105M 022

Occurrence Name: Fisher Creek

Occurrence Type: Hard-rock

Status: Anomaly

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General Information

Secondary Commodities: gold, lead, silver, zinc

Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au

Location(s): 63°53'23" N - -135°22'55" W

NTS Mapsheet(s): 105M14

Location Comments: Location coordinates provided by Alexco

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Originally staked as Pearl cl (13624) in Apr/20 by S. Thurber who carried out hand trenching. Restaked as David and Joan cl (59523) in Dec/49 by I. MacKay and fringe staked as Bluebell and Dan cl (59755) in Sep/50 by F.S. White, who carried out hand trenching and completed a 12 m shaft. Restaked as Ore cl 1-16 (82587) in May/63 by C. Baker and J. Gillis, who reopened the shaft for Crown Silver and Development Ltd.

Restaked as Sob cl 1-18 (83436) in Jun/64 by United Keno Hill Mines Ltd, which carried out geochemical soil sampling and prospecting later that year and horizontal loop EM and bulldozer trenching in 1965. Restaked as Bell cl (Y32988) in May/70 by W.T. Synott, who staked more claims from June to Aug/71 and carried out bulldozer trenching from 1970-72. Fringe staking included Ruby cl (Y33309) to the southeast in Aug/70 by Z. Virani, who carried out trenching in 1972, and Snafu cl (Y33043) to the northwest in Oct/69 by R. Martin.

Restaked as Calumet Cache cl (YA1911) in Mar/76 by W. Malicky and as Ore cl (YA1960) in May/76 by W.T. Synott, who carried out trenching from 1977-79. Teck Corporation staked September cl 5-12 (YA37095) across lower Fisher Creek to the northeast in July/78 and carried out grid soil geochemical sampling in 1979.

Restaked as Bry cl 1-6 (YA39595) in Apr/79 by Canada Tungsten Mining Corporation, which added Bry cl 7-21, 24 and 31-33 (YA40104) in Jun/79 to surround existing claims in the area and carried out geological mapping and soil geochemical sampling later that year. The B and F cl (YA41567) were staked to the southeast in Feb/80 by B. Foote, who added Foote and Ross cl (YA43747) in May/81 and carried out road building and trenching later in the year.

Restaked as June cl 1-4 (YA76700) in Jul/82 by T. Casten and transferred to Sultan Energy Corporation in 1983. The September claims were restaked as Silver Duke cl 1-8 (YA76707) in Jul/82 by N. Bunka, who carried out trenching in 1983 and added Dry cl 1-8 (YA77498) to the northwest in May/84.

Restaked as Gnuf cl 1-4 (YB03594) by H. MacDonald in Jun/90.

Restaked as Fisher cl 1-22 (YC01769) in Jun/99 by Expatriate Resources Ltd, which carried out geological mapping, prospecting, soil geochemical sampling and staked Fisher cl 23-67 (YC01996) to the north and west in Nov/99.

Mega Silver optioned the Fisher claims from Stratagold in 2007. Mega Silver also optioned the Spider, Man, Ag and Eagle claims to the north. The 2008 program for Mega Silver's 'Eagle Project' on claim holdings on Galena Hill included an airborne magnetic gradiometer and VLF electromagnetic survey over the entire claim holding. Geochemical soil surveys were conducted on the Spider, Man and Ag claims as well as the Fisher claims. Four trenches were attempted on the Fisher claims but did not penetrate overburden. Limited geological mapping on the property was carried out.

Capsule Geology

Float and vein material containing galena and tetrahedrite was found by McKay, and United Keno Hill found similar float plus several barren veins. Bedrock consists of south-dipping quartz-graphite schist, phyllite, and minor quartzite and limestone of the Upper Proterozoic Yusezyu Formation of the Hyland Group, which is overlies Mississippian aged Keno Hill Quartzite south of the Robert Service Thrust within the Tombstone Strain Zone.

Canada Tungsten located a float ore sample near old workings in the area of the Fisher Vein, consisting of coarsely crystalline galena and minor tetrahedrite, which assayed 22 295 g/t Ag and 25% Pb.

Expatriate's soil sampling was carried out along claim lines and on a grid positioned over Fisher Creek. Two areas of weak, but coincident Pb-Ag response were detected to the north and northwest of the Fisher Creek grid, while sampling of the grid returned scattered, moderate to strongly anomalous gold values. Prospecting of the southern part of the grid located sulfide float and masses of ferricrete (< 0.5 m in diameter) within a thick layer of glacial till. The limonite covered float boulders contained massive to semi-massive, coarse grained pyrite, sphalerite, pyrrhotite, galena and arsenopyrite in a quartz-carbonate gangue. Results from 4 of 5 sulfide samples collected returned similar assays averaging 176.0 g/t Ag, 2.1% Zn and 1.14% Pb with low gold values, while the fifth sample returned 7.01 g/t Au with 24.0 g/t Ag, 8.46% Pb and 0.13% Pb.

Mega Silver's gridded soil sampling on the Fisher claims confirmed anomalous values within the grid and expanded the grid westward over the area of historical workings.

References

BOND, J.D., 1998. Surficial geology of Keno Hill, Central Yukon, NTS 105 M/14. Exploration and Geological Services Division, Indian and Northern Affairs, Canada. Geoscience Map 1996-1, 1:50 000 scale.

CANADA TUNGSTEN MINING CORPORATION LTD, Apr/80. Assessment Report #090545 by M.D. Philpot.

EXPATRIATE RESOURCES LTD, Mar/2000. Assessment Report #094140 by T.C. Becker.

GEOLOGICAL SURVEY OF CANADA Bulletin 111, p. 78-79.

GEOLOGICAL SURVEY OF CANADA Paper 64-36, p. 14-15.

MEGA SILVER INC., News Release, 28 Nov/2008.

MORIN, J.A., 1989. Yukon Gold-Silver File. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1989-3.

MURPHY, D.C. and ROOTS, C.F., 1996. Geological map of Keno Hill area, Central Yukon (105 M/14). Exploration and Geological Services Division, Indian and Northern Affairs Canada, Map 1996-1, scale 1:50 000.

MURPHY, D.C., 1997. Geology of the McQuesten River Region, Northern McQuesten and Mayo Map Areas, Yukon Territory (115P/14, 15, 16: 105M/13, 14). Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Bulletin 6, 122 p.

TECK CORPORATION LTD, Aug/79. Assessment Report #090486 by A.R. Archer.

UNITED KENO HILL MINES LTD, Apr/65. Assessment Report #017956 by R.E. Van Tassell.

YUKON EXPLORATION 1984, p. 124.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 207.

Work History

Date	Work Type	Comment
12/31/2008	Geology	limited mapping on south side of Galena Hill
12/31/2008	Geochemistry	Over Fisher claims and Spider, Man and Ag claims north of Fisher claims
12/31/2008	Trenching	Four trenches attempted.
12/31/2008	Airborne Geophysics	Also VLF EM survey .
12/31/1999	Geology	
12/31/1999	Geochemistry	
12/31/1999	Other	
12/31/1979	Geology	
12/31/1979	Geochemistry	
12/31/1979	Trenching	
12/31/1978	Trenching	
12/31/1977	Trenching	
12/31/1972	Trenching	
12/31/1971	Trenching	
12/31/1970	Trenching	
12/31/1965	Ground Geophysics	
12/31/1965	Trenching	
12/31/1964	Geochemistry	
12/31/1964	Other	
12/31/1950	Trenching	
12/31/1920	Trenching	
12/13/2017	Airphotography	
12/13/2009	Pre-existing Data	
12/13/2009	Drilling	
12/13/2009	Geology	
12/13/2009	Lab Work/Physical Studies	
12/13/2009	Trenching	
12/13/2009	Other	
12/13/2009	Development, Surface	
12/13/2009	Drilling	
12/13/2008	Geochemistry	
12/13/2008	Trenching	
12/13/2008	Development, Surface	
12/13/2007	Geochemistry	
12/13/2007	Geochemistry	
12/13/2007	Other	

12/13/2006	Airphotography	
12/13/2006	Airphotography	
12/13/2006	Airborne Geophysics	
12/13/2006	Airborne Geophysics	
12/13/2006	Pre-existing Data	
12/13/2006	Remote Sensing	
12/13/2004	Airphotography	
12/13/2004	Remote Sensing	
12/13/2000	Trenching	
12/13/2000	Geochemistry	
12/13/2000	Development, Surface	
12/13/2000	Geology	
12/13/2000	Other	
12/13/2000	Geochemistry	
12/13/2000	Geochemistry	
12/13/2000	Drilling	
12/13/2000	Pre-existing Data	
12/13/2000	Airborne Geophysics	
12/13/2000	Airborne Geophysics	
12/13/2000	Geochemistry	
12/13/2000	Geology	
12/13/1964	Other	
12/13/1950	Development, Underground	Completed 12 m shaft.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096732	2014	Assessment Report Describing Metallurgical Test Pits, Metallurgical Auger Drilling, Geotechnical Auger Drilling, Geotechnical Study, Environmental Baseline Studies, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Auger - Drilling, Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Geotechnical - Studies, Heritage/Archeological - Studies	9	96.77
095672	2009	Eagle Project Diamond Drilling Assessment Report	All Weather Road - Development, Surface, Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies, Prospecting - Other, Data Compilation - Pre-existing Data, Mechanical - Trenching	16	4022.30
095657	2008	Mechanical Trenching-Rock, Soil and Stream Sediment Geochemical Assessment-Fisher 1-67	All Weather Road - Development, Surface, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Mechanical - Trenching		
095633	2007	Aurex Project-Fisher Claims-Assessment Report 2007	Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other		
094943	2006	2006 Geological, Aerial Photography and Orthophoto Assessment Report on the Keno Hill Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Interpretation - Airphotography, Orthophoto - Airphotography, Digitizing Data - Pre-existing Data, Photogrammetry - Remote Sensing		
094789	2004	2004 Aurex-Orthophoto Acquisition and Satellite Imagery Report	Orthophoto - Airphotography, Landsat - Remote Sensing		
094222	2000	2000 Geological, Geochemical, Geophysical and Trenching Assessment on the Aurex Project	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Reclamation - Development, Surface, Auger - Drilling, Drill Cuttings - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Research/Summarize - Pre-existing Data, Backhoe - Trenching	100	160
090486	1979	Geochemical Report on September 1-13 Claims	Soil - Geochemistry		
090564	1979	Geological, Geochemical, and Geophysical Report	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Seismic - Ground Geophysics, Research/Summarize - Pre-existing Data		
017956	1964	Geochemical Report on the Sob 1-18 Mineral Claims	Soil - Geochemistry, Property Evaluation - Other, Prospecting - Other		
019927	1925	[Galena Hill-Geological Map-Hector Mine Sections and Block Diagrams]	Bedrock Mapping - Geology, Geotechnical - Studies		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
09-136	Fisher Rotary Air Blast (RAB) & Diamond Drilling Report Keno Hill Area		Yukon Government: Energy, Mines and Resources	YMEP Report

Drill core at YGS core library					
Number	Property	Year Drilled	Core Size	Photos	Data
D09EF-01	Fisher	2009	NTW	0	1
D09EF-03	Fisher	2009	NTW	0	2