



Occurrence Details

Occurrence Number: 1150 083
Occurrence Name: Greenback
Occurrence Type: Hard-rock
Status: Anomaly
Date printed: 4/29/2025 7:26:57 AM

General Information

Secondary Commodities: copper, gold, lead, zinc
Deposit Type(s): Unknown
Location(s): 63°51'19" N - -138°58'56" W
NTS Mapsheet(s): 115015
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

The earliest claims were staked about 1.6 km to the southwest in October, 1908 to May, 1909 as Emerald, etc. (1298) by W.J. O'Brian. Three claims staked 1.6 km to the north near the Railway Terminal-Solomon Dome, Skookum and St Paul - were later taken to lease.

Re-staked by H.S. Henderson in August, 1946 as Greenback cl (55846), which were transferred to Arctic Golds Ltd. in June, 1947. The Sun cl (YA2578) were staked 2.4 km to the north in September, 1975 by J. Warchowski. Re-staked within KSD cl 1-138 (YA49490) in January, 1980 by Cominco Ltd., which carried out mapping, geochemistry and IP surveys later in the year.

Re-staked as Klathro cl 1-44 (YA80578) in June, 1984 by Dawson Eldorado Gold Exploration Ltd.

Re-staked within Bar cl 1-254 (YB68007) in March, 1996 by Barramundi Gold Ltd. which carried out a regional silt and rock sampling program later in the year. In March, 1999 Barramundi completed 3,850 line km of detailed airborne magnetometer and VLF-EM surveying that covered a 16 km x 24 km area centered about King Solomon Dome and included this occurrence.

In May, 2000, S. Ryan staked King cl 1-32 (YC19934) 1.5 km to the northwest. Later in the summer, Ryan soil sampled two areas located west of Soda Creek. In June, 2001 Ryan added King cl 33-42 (YC20693) to his claim holdings and in October, 2001 carried out a ground magnetometer and magnetic gradient survey over the entire claim block.

Capsule Geology

The area is underlain by felsic schist, chlorite schist and rusty, weathered quartz-muscovite schist of the Permian Klondike Schist Assemblage (units Psqm, Psc and Psq), Yukon Tanana terrane. The rocks are cut by numerous quartz veins. Most of the exploration has been directed toward gold potential but pockets of copper sulphide mineralization are known to exist in the area. Minor amounts of production have been reported from surrounding occurrences (i.e. MINFILE occurrence 1150 068 - Mitchell), but no sustained hardrock mining has occurred in the region.

Cominco's grid soil sampling returned generally low gold values with scattered high values that were not correlated with arsenic. Arsenic values in soils traced out a continuous zone which also shows up in the rock chip results, suggesting the zone follows a high arsenic horizon within the schist. Copper, lead and zinc results outlined a small anomaly on the E grid, which was centered west of the headwaters of Soda Creek.

In 1994, Kennecott Canada Inc. carried out a large regional sampling program on the adjoining Win claims (MINFILE occurrence 1150 071). As part of the program, a line of soil samples was collected 1 km northwest of this occurrence (MINFILE occurrence 1150 083). The survey returned several multiple point sites anomalous for lead and zinc.

Barramundi's 1996 regional silt program returned several anomalous gold results in the headwaters of Quartz and Sulphur creeks. The best silt sample returned 13 ppb Au draining off towards the south-southwest at the head of Quartz Creek.

Ryan's soil sampling program outlined two anomalies. The first occurs on the KA grid and consists of anomalous zinc, lead and copper values covering an area measuring approximately 300 m by 500 m. This anomaly is located approximately 2.5 km northwest of this occurrence and appears to be a northwestern extension of Cominco's "E" grid. The second anomaly occurs on the KB grid and consists of anomalous lead, zinc, copper and arsenic values. This anomaly appears to cover Cominco's original anomaly and is likely related to the KA anomaly. Both anomalies are also roughly coincident with Kennecott's results.

The magnetic survey outlined two magnetic highs and a significant magnetic low. The magnetic low appears to be coincident with the KB soil anomaly, while one of the magnetic highs underlies the KB soil anomaly. The source of the remaining magnetic high was not readily apparent.

Work History

Date	Work Type	Comment
8/1/2021	Geochemistry	
8/1/2021	Geology	
8/1/2021	Geochemistry	
8/1/2021	Remote Sensing	
8/1/2017	Airphotography	
8/1/2017	Geochemistry	
8/1/2017	Geochemistry	

8/1/2017	Airborne Geophysics	
8/1/2017	Airborne Geophysics	
8/1/2014	Geochemistry	
8/1/2014	Ground Geophysics	
8/1/2014	Ground Geophysics	
8/1/2014	Drilling	
8/1/2013	Geochemistry	
8/1/2013	Geochemistry	
8/1/2013	Ground Geophysics	
8/1/2013	Ground Geophysics	
8/1/1999	Airborne Geophysics	
8/1/1994	Trenching	
8/1/1994	Geochemistry	
8/1/1994	Geochemistry	
8/1/1994	Ground Geophysics	
8/1/1994	Airborne Geophysics	
8/1/1994	Geology	
8/1/1994	Other	
8/1/1992	Geochemistry	
8/1/1992	Geochemistry	
8/1/1992	Trenching	
8/1/1992	Geology	
8/1/1992	Other	
8/1/1988	Geochemistry	
8/1/1988	Geology	
8/1/1988	Geochemistry	
8/1/1984	Airborne Geophysics	
12/31/2001	Ground Geophysics	Also magnetometer gradient survey.
12/31/2000	Geochemistry	Mainly confined to areas west of Soda Creek.
12/31/1999	Airborne Geophysics	Also VLF-EM survey. Regional program.
12/31/1996	Geochemistry	Part of Barramundi's regional stream sediment survey of the Klondike goldfields.
12/31/1980	Geology	
12/31/1980	Geochemistry	
12/31/1980	Ground Geophysics	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097091	2017	Geochemical, Geophysical & Airborne Survey Assessment Report: Soil Sampling, Prospecting, Dighem & Drone aerial survey - Hunker Gold Project	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry		
096824	2014	2014 Geological, Geophysical, and Geochemical Report for the King Solomon Dome Property	RAB (Rotary Air Blast) - Drilling, Soil - Geochemistry, IP - Ground Geophysics, Magnetics - Ground Geophysics	17	918.97
096543	2013	2013 Soil Geochemical, Geophysical and Geoprobe Assessment Report on the King Solomon Property	Rock - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics, IP - Ground Geophysics, Resistivity - Ground Geophysics		
095033	2007	Geochemical Report for the period April 2007 to March 2008 for the JIN Claim Block	Soil - Lab Work/Physical Studies, Data Compilation - Pre-existing Data		
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

094021	1999	Detailed Airborne Magnetics and VLF-EM over the Klondike District, Dawson City - 1999	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
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		
093075	1992	Geological, Geochemical and Trenching Report on the Dawson Property	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching		
092722	1988	Geological and Geochemical Report on the DE 1-179 Quartz Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
091634	1984	Report on the 1984 Exploration Program in Klondike Gold Fields	Electromagnetic - Airborne Geophysics, Percussion - Drilling, Drill Cuttings - Geochemistry, EM - Ground Geophysics	95	6900.67
090769	1980	Geochemical Assessment Report on the KSD Claim Group	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, IP - Ground Geophysics, Line Cutting - Other, 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
ARMC019457	Property submission: King Solomon Dome - 1150/15		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)
13-073	2013 Soil Geochemical and Geophysical Report on the King Solomon Property		Yukon Government: Energy, Mines and Resources	YMEP Report
14-030	2014 Soil Geochemical, Geophysical and RAB Drilling Report on the King Solomon Property		Yukon Government: Energy, Mines and Resources	YMEP Report
94-047	Target Evaluation, Quartz Creek Tributaries		Yukon Government: Energy, Mines and Resources	YMEP Report