



Occurrence Details

Occurrence Number: 106D 020

Occurrence Name: Skate

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 8/5/2025 2:23:23 PM

General Information

Secondary Commodities: antimony, arsenic, gold, lead, silver, zinc

Aliases: Jay, Len, Lynx

Deposit Type(s): Plutonic Related Au

Location(s): 64°0'58" N - 135°37'48" W

NTS Mapsheet(s): 106D04

Location Comments: 1.5 Kilometres

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

Originally staked as 108 Bob cl (no record) in 1962 by Silver Titan Mines Ltd and held in trust for the Titan Project, which carried out geological mapping and prospecting in 1963. Restaked as G cl 1-10 (84222) by United Keno Hill Mines Ltd in Jun/65 following the release of results of total heavy mineral content of stream sediment samples collected by the Geological Survey of Canada in 1964 as part of Operation Keno. Prospecting, soil sampling and trenching were carried out in 1965. Restaked as Jay cl 1-16 (Y31815) in Mar/69 by G. Guttrath and J. Lerner and optioned to Altair Mining Corporation Ltd, which carried out grid soil geochemical sampling and hand trenching later in the year. Reoptioned in Aug/73 to Belmoral Mines Ltd, which carried out geological mapping and geochemical sampling in 1973 and trenching, hand pitting, geochemical sampling and drilling of 6 holes (71.6 m) in 1974. Partially surrounded by the CH cl 1-224 (Y87577) in Mar/74 by United Keno Hill Mining Ltd, which carried out grid soil sampling. Restaked as Len cl 1-32 (YA30521) in Apr/78 by L. Havranek and G. Dickson and optioned to Gold Cup Resources Ltd and Tally Resources Inc, which carried out geological mapping and geochemical soil and stream sediment sampling in 1980. These claims were fringed to the east and north by CJ cl 1-240 (YA42532) in Sep/80 by Canada Tungsten Mining Corporation. Except for eight central Len claims and 4 fractional claims which are still owned by Dickson, the area was restaked in Aug/91 within a large block of 370 West claims (#1 = YB18766) by H6000 Holdings Ltd which optioned them to Fairbanks Gold Ltd, a wholly owned subsidiary of Amax Gold Inc. Amax carried out soil geochemical sampling south of Lynx Creek in 1992. H6000 subsequently changed its name to Ivanhoe Goldfields Ltd. In Aug/94 Ivanhoe contracted Aurum Geological Consultants Ltd to carry out reconnaissance mapping, prospecting, soil, silt and rock sampling on the West claims. During the same period Aurum hand dug six trenches on Dickson's Len claims. In May/96 Janet Dickson (G. Dickson's widow) optioned the Len claims to Balaclava Industries Ltd which carried out excavator trenching, soil sampling, magnetometer and electromagnetic geophysical surveying and staked 4 fractional Jan claims (1=YB65585) in Jul/96 contiguously to the south of the Len claims. In Sep/96 Balaclava optioned a 50% interest in the claim group to Panamex Resources Inc. Balaclava Industries Ltd changed its name to Balaclava Mines Inc in Nov/96. In Jun/97 Panamex drilled 6 holes (500 m) to test the grade and extent of quartz-sulphide vein mineralization discovered the previous year. Panamex dropped its option in 1999. In May/2001 J. Dickson staked 24 additional, non-consecutively number Len claims (1 = YC02730) to surround her existing holdings in the area. Later that year she carried out geochemical sampling of previously unsampled core intervals from Panamex's 1997 drill program and reconnaissance soil sampling outside of the previously sampled area. In 2002, Expatriate Resources Ltd optioned the Len and Jan claims and staked Lynx cl 1-56 (YC10463) in Jun/2002 to surround them. Expatriate then carried out prospecting, relogging of the 1997 drill core and stream, soil and rock geochemical sampling before selling its interest in property (renamed as Lynx) to StrataGold Corporation as part of a special warrant transaction. In 2003 StrataGold carried out a small program of geological mapping, geochemical sampling and magnetic and IP geophysical surveying.

Capsule Geology

The Skate lead-zinc-silver (Pb-Zn-Ag) vein consists of galena, sphalerite, pyrite and jamesonite that occur with quartz in a siderite vein (or concordant sheet like body). The vein is hosted in schist near a contact with limestone of Late Proterozoic Yusezyu Formation of the Hyland Group on the north limb of the east-trending McQuesten antiform. The vein strikes northwest, dips about 30 degrees to the south, has been traced for a length of 61 m with an apparent width of 10.7 m on surface and a true width of 2.7 m. Narrow stringer and veinlets of galena are concentrated along the hanging wall and footwall contacts.

Chip samples from two trenches assayed 260.6 g/t silver, 1.9% lead, 3.7% zinc and 13.7 g/t gold across 1.2 m, and 233.1 g/t silver, 3.7% lead, 3.1% zinc and 1.0 g/t gold across 1.2 m. Six character samples collected in 1973 averaged 205.7 g/t silver, 4.2% lead, 4.2% zinc and 04 g/t gold. The best drill intersection was 75.1 g/t silver from 9.1 to 10.1 m in Hole 7, but evaluation was hampered by very poor core recovery.

The 1980 surveys on the Len Group outlined a previously unmapped stock and a silver-lead anomaly northeast of the showing. The stock measures approximately 400 by 700 m and consists of equigranular, locally megacrystic, granodiorite. The granodiorite contains up to 3% disseminated arsenopyrite and rare pyrite and most likely belongs to the 91-94 Ma Tombstone intrusive suite. Moderate hornfelsing of the host metasedimentary rocks is expressed by biotite and sulfide alteration of the quartzite and varying degrees of sericitization, silicification and limonite staining.

Amax's 1992 survey covered a north-facing slope with very little exposed bedrock, and outlined several weak to moderate gold anomalies.

Aurum's work focused on evaluating the potential of the Cretaceous stocks, to host "Fort Knox" style mineralization. A total of 44 soil, 14 rock and one silt sample were collected and analyzed for gold, silver, arsenic, bismuth, copper, mercury, molybdenum, lead, antimony and zinc. A sample of medium grained, equigranular granitic float containing rare quartz and trace fine grained sulphides along fracture surfaces returned 40 ppb gold and 684 ppm arsenic. The soil samples returned 5 individual anomalous gold values ranging from 5 to 40 ppb gold. Results for arsenic (As) and bismuth (Bi), both indicator minerals for "Fort Knox" mineralization were generally low.

The six trenches were dug on the Len claims within the granodiorite intrusion near the projected location of the Robert Service Thrust Fault (which was apparently exposed in two of the trenches) and the probable intrusive contact with lithologies that subsequent operators of the project have mapped as Carboniferous aged Keno Hill quartzite (?) based on their massive nature. The majority of rock samples collected consisted of variably altered granodiorite which often contained fine grained sulphides (arsenopyrite >> pyrite > chalcopyrite). A sample from Trench #2 consisting of limonitic quartz vein material with abundant visible fine grained sulphides concentrated in hair-like veinlets and fracture fillings returned 780 ppb gold, >10,000 ppm arsenic and 16 ppm bismuth.

Soil sampling completed by Balaclava outlined a gold and arsenic anomaly over and proximal to the granitic intrusion. The anomaly also returned elevated levels of silver, bismuth, antimony and cadmium. The total field magnetic survey outlined several high amplitude magnetic anomalies within the intrusion which closely correspond to the location of gold mineralization exposed in earlier trenches. The electromagnetic survey was inconclusive.

Balaclava dug 8 trenches (1 381 m²) along the southern boundary of the intrusion to test the geochemical and geophysical anomalies. The trenches exposed multiple, structurally controlled, steeply dipping, east-west trending sheeted sericite-clay-quartz-sulphide-carbonate zones approximately paralleling the south margin of the intrusive. Sulfides are dominated by arsenopyrite, with lesser amounts of pyrite, stibnite and galena as massive stringers and disseminations within clay-rich zones and along quartz vein selvages. Individual mineralized zones range up to 10 m wide and are separated by parallel zones of altered granodiorite. Mineralized zones are frequently gossanous weathering resulting from limonitic and hematitic alteration and local ferricrete development of former pyrite. The zone of mineralization measures approximately 250 m wide by 540 m long. Chip sampling of the mineralized zones

returned up to 22.5 g/t gold across 3 m, with individual samples ranging up to 50 g/t gold. All samples returned elevated concentrations of silver, lead, arsenic, cadmium, tungsten, bismuth and antimony.

A 1996 claim post survey showed that the original siderite vein lies immediately southwest of the surviving Len and fractional claims.

The six drill holes were drilled at 100 m spacings in order to test the quartz-sulphide vein mineralization encountered in the 1996 trenching program. All of the holes were successful in intersecting gold mineralization of at least 4 g/t gold across widths of 0.5 m or more. Assay results of individual veins intersected in the holes have returned up to 28.5 g/t gold across a core width of 0.73 m (Hole 97-02). Weighted averages across multiple veins returned up to 2.22 g/t gold across 18.59 m and 0.65 g/t gold across 48.77 m (Holes 97-01 and 97-03 respectively, core widths). High gold values were associated with arsenopyrite and locally pyrite, galena, sphalerite, stibnite and bismuthinite.

During the 1997 drill program Hole 97-06 intersected quartzite, phyllitic quartzite and schist adjacent to the trenched exposures of granodiorite. Sampling, carried out in 2001, of previously untested intervals of core from this hole and combined with the earlier 1997 results returned a weighted average value of 1.4 g/t gold over 22.2 m (including 2.8 g/t gold over 7.8 m near the bottom of the hole). Reconnaissance soil sampling also carried out at this time involved the collection of 38 soil samples peripheral to the known mineralized zone and returned variably anomalous results for gold, arsenic and antimony from six consecutive samples (150 m spacing) along the western boundary of the Len claims. Peak values of 52 ppb gold, 1 741 ppm arsenic and 34 ppm antimony were returned.

Expatriate identified additional mineralization during sampling of the remaining core from Hole 97-06 and the bedrock interval in the hole now averages 0.79 g/t gold over 59.1 m, including an interval at the top of the hole averaging 0.54 g/t gold over 24.1 m and a 27.1 m interval at the bottom of the hole which averages 1.23 g/t gold. Silt and soil geochemical sampling also carried out during the 2002 served to confirm the strength and character of the anomalies previously identified on the property.

Geophysical surveying of the property has shown that the magnetic susceptibility of the underlying metasedimentary rocks has very little variation. The Skate Vein appears as a strong negative relief on sections where the structure is the widest. IP surveying carried out over the veined area of the granodiorite and centered on the trenched area showed strong chargeability and low resistivity, while increased complexity of the chargeability and resistivity pseudosection profiles further to the north of the drill area are suggestive of considerable variation in bedrock lithology and structure and the presence of considerable sulphide or other conductive material.

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Work History

Date	Work Type	Comment
12/31/2003	Geology	
12/31/2003	Geochemistry	Also rock sampling.
12/31/2003	Ground Geophysics	Also I.P. survey.
12/31/2002	Geochemistry	Included relogging and additional sampling of core from Hole 97-06, as well as reconnaissance silt and soil sampling.
12/31/2002	Other	
12/31/2001	Geochemistry	Sampling of previously unsampled intervals of 1997 drill core and reconnaissance soil sampling peripheral to known anomalies.
12/31/1997	Drilling	Six holes, 500 m.
12/31/1996	Geochemistry	
12/31/1996	Ground Geophysics	Also magnetic survey.
12/31/1996	Trenching	
12/31/1994	Geochemistry	
12/31/1994	Geology	
12/31/1994	Geochemistry	
12/31/1994	Geochemistry	
12/31/1994	Other	
12/31/1992	Geochemistry	Work carried out by Fairbanks Gold Ltd for Ivanhoe Goldfields.
12/31/1980	Geology	
12/31/1980	Geochemistry	
12/31/1980	Geochemistry	
12/31/1974	Drilling	Six holes, 71.6 m.
12/31/1974	Geochemistry	
12/31/1974	Trenching	
12/31/1973	Geology	
12/31/1973	Geochemistry	
12/31/1969	Geochemistry	
12/31/1969	Trenching	
12/31/1965	Geochemistry	
12/31/1965	Other	
12/31/1965	Trenching	
12/31/1963	Geology	
12/31/1963	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
097130	2017	Assessment Report on the VBW Claims: Geological, Geochemical and Remote Sensing Exploration Program - 2017	Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, LIDAR - Remote Sensing		
095592	2006	2006 Dublin Gulch Exploration Program	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Hand - Trenching	10	4281.51
094788	2004	2004 [Dublin Gulch] Geophysical Survey	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
094765	2003	2003 Lync Claims Assessment Report	IP - Ground Geophysics, Resistivity - Ground Geophysics		
094436	2002	Geological, Geochemical and Prospecting Report on the Lynx Property	Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		

094362	2001	Report on the 2001 Assessment Work on the Len Property	Drill Core - Geochemistry, Soil - Geochemistry, Prospecting - Other		
093987	1998	Digital Topography, Landsat, and Colour Air Photo Survey over the Clark Claims]	Orthophoto - Airphotography, Rock - Geochemistry, Landsat - Remote Sensing		
093519	1996	Report on the 1996 Exploration Work on the Len Property	Rock - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Line Cutting - Other, Backhoe - Trenching		
093236	1994	1994 Assessment Report on the West Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
093061	1992	1992 Dublin Gulch Geochemical Assessment Report	Soil - Geochemistry, Prospecting - Other		
093253	1984	1994 Assessment Report on the Len Property	Rock - Geochemistry, Hand - Trenching		
090915	1981	1981 Exploration Program, Dublin Gulch	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other, Mechanical - Trenching		
090813	1980	A Geological Report on the Len 1-32 Claims	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
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		
061872	1979	A Geological Report on the Len 1-32 Claims	Property Evaluation - Other, Research/Summarize - Pre-existing Data		
091275	1976	[Overburden Drill Hole Logs on the CH Claims]	Reverse Circulation - Drilling, Drill Cuttings - Geochemistry	49	2193.34
090047	1975	Geological and Geochemical Report on the CH 1 to 224 and Reuben 1 to 6 Mineral Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
061274	1974	Geological and Geochemical Report on the CH 1 to 224 Mineral Claims Inclusive	Soil - Geochemistry, Bedrock Mapping - Geology, Mechanical - Trenching		
061496	1974	Addendum Report, Proposed Exploration Program, Jay Mineral Claims	Research/Summarize - Pre-existing Data		
061137	1973	Geological Report on the Jay Mineral Claims	Bedrock Mapping - Geology, Prospecting - Other, Process/Interpret - Pre-existing Data		
060724	1969	Geological and Geochemical Report on the Erin 1 to 28 and 31 to 189 Mineral Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
060184	1969	Report on a Geochemical Survey on the Jay 1-16 Mineral Claims	Soil - Geochemistry, Prospecting - Other		
017463	1963	Report on the Geology of the Bob Group, Mineral Claims	Interpretation - Airphotography, Bedrock Mapping - Geology, Cursory Property Visit - Other		
092064	1963	The Silver Titan Story	Research/Summarize - Pre-existing Data		