Occurrence Details

Occurrence Number: 105M 060
Occurrence Name: Newry
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 6/15/2025 11:46:03 AM

General Information

Secondary Commodities: arsenic, bismuth, copper, gold, lead, tungsten, zinc
Aliases: Aurex, Aurmac
Deposit Type(s): Skarn W
Location(s): 63°52'22" N - -135°37'40" W
NTS Mapsheet(s): 105M13
Location Comments: .5 Kilometres
Hand Samples Available: Yes
Last Reviewed:

Capsule

Work History

First staked as the Blue Idol, etc cl (38865) and Blueberry cl (38859) 3.6 km south at the head of Corkery Creek in Sep/35 by J.E. Hawthorne, who added Armagh, Newry, etc cl (55034) in Jun/37, Mary Ann cl (81146) in Jun/62 and Blacker, etc cl (Y56207) in Sep/71. Hawthorne explored with shallow trenches and shafts from 1935 to 1979. R. Holway bulldozer trenched in 1974 to earn a 50% interest. Apollo Mines Ltd staked the adjoining Lee, Sam and Apollo cl (Y86352) in Jan-Jul/74.
The Tree, Pine, Spruce cl (YA41520) were staked 4 km to the east in Jan/80 by W. Malicky, who trenched in 1980. The Ev cl (YA43320) were added to the south in Oct/80 by E. French. I. Tornai tied on Steve and Isabel cl (YA76029) on the west side in Oct/81, restaked the Ev group as Verna cl (YA76688) in Jul/82 and explored with bulldozer trenching in 1982 and 1984.
Restaked April and Oct/92 as Aurex 1-113 cl (YB28429) by A.J. McFaull, who prospected and mapped in the same year, and optioned the property to Yukon Revenue Mines, which drilled 128 percussion holes (2 169 m) in 1993. Yukon Revenue Mines Ltd added the Aurex 114-171 cl (YB29669) in Mar/93 and drilled 200 percussion holes (6 000 m) and 4 diamond holes (600 m) in 1994. Ownership of the claims was transferred to Yukon Revenue in Dec/95.
In 1996 Yukon Revenue drilled 92 percussion holes (2 749 m) and completed an airborne geophysical survey over the Aurex claim block. In Dec/97 the company changed its name to YKR International Resources Ltd and in 1998 the new company carried out geophysical surveying over the northwest corner of the claim group.
In Jan/99 Expatriate Resources Ltd, which owns the adjoining (to the west) Sinster property (Minfile Occurrence #105M 072) optioned the Aurex claims from YKR and carried out geological mapping and geochemical sampling later that year.
In Nov/99 after staking Fisher cl 23-67 (YC01996) and Rex cl 1-49 (YC02041) at the eastern end of the Aurex-Sinister claim block, Expatriate optioned the property to Newmont Mining Corporation, which carried out regional airborne surveying, auger drilling, geological mapping, prospecting and 290 linear meters of machine trenching in 2000.
Expatriate transferred its gold properties to a newly formed subsidiary Stratagold. Stratagold performed ground magnetic and IP surveys over the Aurex and Lynx properties in 2003 and diamond drilled 4038 m in 26 holes on the Aurex property. Stratagold conducted a soil sampling survey over its property in 2007.

Capsule Geology

The claims are located about 3.2 km southwest along strike from the former Silver King Mine. To the north, the south-dipping Robert Service Thrust Fault juxtaposes Mississippian Keno Hill Quartzite against quartz-sericite schist of the Proterozoic-Lower Cambrian Hyland Group which underlies most of the property. Metavolcanic rocks exposed on the property may be Devono-Mississippian in age, exposed in an erosional window beneath the Robert Service Thrust.
McFaull identified calc-silicate skarns in several old trenches, suggesting the presence of one or more buried plutons in the area. Coincident airborne resistivity and magnetic anomalies provide further evidence for possible buried intrusions beneath the property. Typical skarn mineralogy includes diopside, actinolite, scapolite, quartz, carbonates, plagioclase and epidote. The skarns contain scheelite, up to 5% fine grained arsenopyrite and minor pyrite, pyrrhotite and chalcopyrite and return elevated values of gold, arsenic, tungsten, bismuth, copper, lead and zinc. Specimens of rusty calc-silicate hornfels from trenches on the Aurex 7 claim contained 5.4 g/t Au and 3.6 g/t Au.
The 1993 percussion drilling intersected skarn layers in quartz-sericite schist. Anomalous gold values better than 100 ppb were obtained from 47 of 128 holes, including 4.1 g/t Au over 3.0 m in hole 93-44 and 2.9 g/t over 3.0 m in hole 93-58. Surface oxidation extends to a depth of 1.5 to 10.6 m.
The 1994 percussion drilling program outlined five new zones of anomalous gold. The gold-bearing zones vary in thickness from 3 to 21 metres, strike east-west and dip 25 degrees south. The best intersections included 3 m grading 4.1 g/t Au in hole 94-50, and 3 m grading 5.5 g/t Au in hole 94-193.
Aerodat Inc completed 430 line kms of airborne geophysics over the Aurex claims in Jul/96. Anomalies in magnetics, EM and resistivity were located over widespread areas, including areas of known Au mineralization.
The 1996 rotary percussion drill program tested 3 separate areas of the Aurex claim block and was aimed at testing airborne geophysical anomalies and the extensions of known gold mineralization intersected in previous drilling programs carried out in 1993 and 1994. Results were similar to those encountered in the 1993 and 1994 drill programs, with 33 holes returning 49 intersections that assayed above 0.34 g/t Au over 3 m lengths. The highest intersection assayed 5 g/t Au over 3 m.
Additional ground followup in 1998 of another airborne geophysical anomaly by induced polarization methods identified a broad, highly chargeable and somewhat resistive anomaly in an apparently favourable stratigraphically postion within Hyland Group rocks.
Sampling in 1999 by Expatriate identified a broad arcuate Au-As geochemical anomaly in the west central section of the Aurex claim block. The anomaly has a length of 2 700 m and contains peak vlaues of 710 ppb Au, 2 460 ppm As and 66 ppm Sb. Smaller clusters of anomalous geochemical response were also located outside the main anomaly. In the majority of cases, these anomalies occur in areas where there are no known mineral showings and where there has been no drilling. In addition to previously recognized stratabound sulfide bearing skarn horizons, Expatriate identified quartz+/-carbonate sulfide vein mineralization in widespread float. Chip sampling of a large float slab of this material, found in the Corkery Creek area, yielded 150 ppb Au, 2.4 g/t Ag, 268 ppm As and >1% Sb, while a grab sample of similar material collected nearby returned 9.31 g/t Au, 6.4 g/t Ag, 1 400 ppm As and >1% Sb.
Newmont's assessment of the property in 2000 involved a thorough compilation and review of all known and new geological, geochemical and geophysical data. The company determined the following:
-That most of the mapped contacts in the area have been located by considering float boulder trains, detailed structural data and airborne magnetic and EM survey results.
-That the property hosts a series of pyrrhotite-gold skarn lenses where regional shear foliation clearly controls pyrrhotite mineralization; there are four dominant types of mineralization that include early quartz lenses and boudins, the calc-silicate phyrrhotite-gold horizons, quartz-arsenopyrite-pyrite-gold vein zones and siderite-galena-sphalerite breccia minerlization.
-That known mineralization, together with pegmatite veins suggests that a granitic mass is proximal to the central portions of the property.
-There are at least two types of faults that occur within the map area: those that contain major concentrations of ore minerals, called vein faults and those with small amounts of ore minerals, called cross-faults, bedding faults, etc.
-That the property is overlain by a variety of surficial materials due to multiple phases of glaciation and subsequent weathering and mass wasting and that each geomorphological domain requires a different approach to geochemical sampling.
-That up to 95% of earlier soil samples reflect transported glacial material rather than true residual soil profiles; that Au, As, Sb and Bi follow each other closely in areas of residual soil and bedrock lithologies.
-That three main stages of hypogene mineralization are represented on the property; and that the principal hypogene minerals are quartz, pyrite, arsenopyrite and pyrrhotite.
Diamond drilling by Stratagold in 2003 intersected two distinct styles of mineralization: 1) sheeted quartz arsenopyrite veinlets and fault/vein breccias with anomalous gold, arsenic, bismuth, antimony and tungsten values, and 2) stratabound silicified skarn horizons with anomalous gold, arsenic, bismuth, antimony and tungsten. Drilling targets included historic percussion-drilled areas and magnetic highs with coincident IP chargeability anomalies.

In 2007, Stratagold discovered a significant coincident silver-lead soil geochemical anomaly on Galena Hill. The soil anomaly assayed from 1.7 to 2.5 g/t Ag over 1200 x 100 m. The anomaly appears to be associated with the McLeod fault, which also crosscuts the historical Fisher Creek silver occurrence (MINFILE 105M 022), roughly 5 km west-southwest of Keno City.

References

AUREX EXPLORATION, Dec/92. Assessment Report #093051 by A.J. McFaull.

EXPATRIATE RESOURCES LTD, News Release, 25 Jan/99; 03 Nov/99.

EXPATRIATE RESOURCES LTD, Apr/2000. Assessment Report #094101 by W.A. Wengzynowski.

GEORGE CROSS NEWSLETTER, 14 May/93; 25 May/93; 10 May/94; 26 May/94; 2 Jun/94.

MURPHY, D.C., HUNT, J.A., ROOTS, C.F., AND POOLE, W.H., 1996. Geological map of Mount Haldane (105M/13), Central Yukon. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Geoscience Map 1996-4.

NEWMONT EXPLORATION OF CANADA LTD, Feb/2001. Assessment Report #094222 by N.M. Caira and M.A. Stammers.

STRATAGOLD CORPORATION LTD., News Release, 12 Jan/2004; 3 Apr/2008.

YKR INTERNATIONAL RESOURCES LTD, Oct/98. Assessment Report #093910 by A. Davis.

YUKON REVENUE MINES LTD, News Release, 21 May/93.

YUKON REVENUE MINES LTD, Jun/93. Assessment Report #093135 by A.J. McFaull.

YUKON EXPLORATION & GEOLOGY 1996, p. 26-27, 30, 32; 1998, p. 12; 1999, p. 9, 29; 2000, p. 18, 25.

Work History

Date	Work Type	Comment
12/31/2007	Geochemistry	
12/31/2004	Drilling	Twenty-six holes, 4,038 m.
12/31/2003	Ground Geophysics	Also magnetic surveys run on Aurex and Lynx properties.
12/31/2000	Geology	
12/31/2000	Geochemistry	Also silt and rock sampling.
12/31/2000	Drilling	Approximately 100 holes.
12/31/2000	Trenching	
12/31/2000	Airborne Geophysics	Also magnetic survey.
12/31/1999	Geology	
12/31/1999	Geochemistry	Also rock sampling.
12/31/1998	Ground Geophysics	
12/31/1996	Drilling	Ninety-two holes, 2,749 m.
12/31/1996	Airborne Geophysics	Also magnetics.
12/31/1994	Drilling	Four holes, 600 m.
12/31/1994	Drilling	Two hundred holes, 6,000 m.
12/31/1993	Drilling	One hundred twenty-eight holes, 2,169 m.
12/31/1992	Geology	
12/31/1974	Trenching	
12/13/1992	Other	
12/13/1984	Trenching	
12/13/1982	Trenching	
12/13/1980	Trenching	
12/13/1979	Development, Underground	Dug shallow trenches and shafts 1935-1979. Historic.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
			Electromagnetic - Airborne Geophysics, Magnetic - Airborne		

094943	2006	2006 Geological, Aerial Photography and Orthophoto Assessment Report on the Keno Hill Property	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		
094787	2003	2003 Aurex Project Assessment Report	Diamond - Drilling, Drill Core - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics, Magnetics - Ground Geophysics, Resistivity - Ground Geophysics, Line Cutting - Other	25	3811.81
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
094101	1999	Assessment Report Describing Geological Mapping and Geochemical Surveys on the Aurex-Sinister Property	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
093985	1998	1998 Geological and Geochemical Assessment Report on the McQuesten Project	Historical Drill Core - Geochemistry, Rock - Geochemistry, Detailed Bedrock Mapping - Geology, IP - Ground Geophysics, Magnetics - Ground Geophysics, Petrographic - Lab Work/Physical Studies, Line Cutting - Other, Data Compilation - Pre-existing Data, Process/Interpret - Pre-existing Data, Mechanical - Trenching		
093135	1993	Report on Rotary Percussion Drilling on the Aurax Claims	Percussion - Drilling, Drill Cuttings - Geochemistry	128	2175
093051	1992	The Geology, Geochemistry and Geophysics of the Aurex 1-36 and 51-86 Quartz Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
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		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC007353	Summary reports to Dec. 1993 - Aurex claims		Property File Collection	Report
ARMC007354	Location map - Aurex claims		Property File Collection	Geoscience Map (General)
ARMC007355	Drill hole locations map - Phase II - Aurex claims		Property File Collection	Geoscience Map (General)
ARMC007356	Notes Re: Aurex claims		Property File Collection	Miscellaneous Company Documents
ARMC007357	Map - Aurex caims		Property File Collection	Geoscience Map (General)
ARMC014900	Rex vein (west)		Property File Collection	Geoscience Map (General)
ARMC014899	Assay plan - Rex vein		Property File Collection	Geoscience Map (General)

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
A-94-1	Newry	1994	HQ	26	0
A-94-2	Newry	1994	HQ-NQ	22	0
A-94-3	Newry	1994	HQ	28	0
A-94-4	Newry	1994	HQ-NQ	22	0