



Occurrence Details

Occurrence Number: 115J 003

Occurrence Name: Alotta

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 7/6/2025 11:03:18 AM

General Information

Primary Commodities: copper, gold

Aliases: Severance, Mim

Deposit Type(s): Porphyry Cu-Mo-Au

Location(s): 62°21'25" N - -138°34'15" W

NTS Mapsheet(s): 115J07

Location Comments: Location from map on Strategic Metals website, June 2022

Hand Samples Available: No

Last Reviewed:

Capsule

Exploration History

Staked as Mim cl 1-112 (Y53268) in Jul/70 by Atlas Exploration Ltd, apparently based on the results of regional geochemical sampling carried out by the company. Atlas reportedly carried out grid geochemical soil sampling and geological mapping later that year.

In 1998, Kennecott Canada Exploration Inc carried out reconnaissance soil and stream sediment sampling of the area in an attempt to locate the source of an anomalous gold value detected during regional stream sediment sampling by the Geological Survey of Canada.

Restaked as Severance cl 1-10 (YC19447) in Jan/2002 by 4763 NWT Inc, which carried out geological mapping, prospecting, geochemical rock and soil sampling and staked Severance cl 11-30 (YC19520) in Jun/2002.

In Fall/2002 Eagle Plains Resources Ltd optioned the Severance claims and the following year they carried out regional stream sediment sampling to the north and south of the property, re-sampled anomalous soil sample locations previously identified by 4763 NWT Inc and expanded the existing soil sampling coverage along two lines to the south. Eagle Plains carried out line cutting, geochemical soil sampling and geophysical I.P. and magnetometer surveying in 2004. Subsequently, ownership of the Severance property was transferred to Omineca Mining and Metals Ltd.

In 2011, Northern Freegold Resources Ltd. purchased the Severance property from Omineca Mining and Metals and conducted a short prospecting program. In 2012, Northern Freegold followed up with a ridge-and-spur soil geochemistry program. The claims were subsequently allowed to lapse.

In 2019, Strategic Metals Ltd re-staked the Sev 1-36 claims and conducted soil sampling and prospecting. Following the exploration program, an additional 18 claims were staked in order to cover prospective ground to the south and east of the claim block.

In 2020 and 2021, Strategic conducted more soil sampling and prospecting on the property.

Capsule Geology

Limited outcrop on ridge tops in the vicinity of the streams draining north into Somme Creek reveal the area to be underlain by coarse grained, biotite-hornblende granodiorite of the mid-Cretaceous Whitehorse Suite. Flows, dykes and possibly small plugs of Lower Eocene aged Skukum Volcanic Suite rocks consisting of quartz-feldspar porphyritic dacite have also been identified during regional and property scale mapping. In outcrop, both these units appear unaltered and contain little or no sulfide mineralization.

Atlas' regional sampling reportedly outlined anomalous copper and molybdenum values from an alaskite stock (?), possibly of the Early Tertiary Nisling Range Suite which has been mapped further to the west. No significant soil anomalies were identified and only traces of molybdenite were found in the occasional quartz vein.

Kennecott's work in the area, as described in later reports by 4763 NWT Ltd and Eagle Plains, outlined a 2+ km long gold anomaly that contained greater than 35 ppb Au which the company did not follow-up.

Prospecting in 2002 located numerous granodiorite boulders on the slopes of the southern part of the property. Analysis of a grab sample of one of these boulders, which are weakly to moderately silicified with quartz veins and up to 7% disseminated pyrite, returned 1.2 g/t Au and 0.35% Cu.

Soil sampling of this area, carried out by various operators during the period from 2002 to 2020, has identified a broad zone of multi-element (Au-Cu-Mo-As) geochemical response, which to date has been defined over an 1700 m by 4000 m area. Scattered, highly anomalous values up to 1 966 ppb Au, 1 036 ppm Cu and 54.3 ppm Mo are contained in the zone which lies within an area of low magnetic response underlain by an I.P. chargeability high that exhibits a resistivity signature typically associated with porphyry systems.

Work History

Date	Work Type	Comment
7/1/2021	Geochemistry	
7/1/2021	Geochemistry	
7/1/2021	Other	
6/1/2020	Geochemistry	
6/1/2020	Geochemistry	
6/1/2020	Other	
6/1/2019	Geochemistry	
6/1/2019	Geochemistry	
6/1/2012	Geochemistry	
6/1/2012	Geochemistry	
6/1/2004	Geochemistry	

6/1/2004	Other	
6/1/2004	Geochemistry	
6/1/2004	Ground Geophysics	
6/1/2004	Ground Geophysics	
6/1/2004	Other	
6/1/2002	Other	
12/31/2003	Other	Silt and soil sampling mostly carried out peripheral to claim block.
12/31/2002	Geochemistry	
12/31/2002	Geology	
12/31/2002	Geochemistry	
12/31/2002	Other	
12/31/1998	Other	
12/31/1970	Geology	
12/31/1970	Geochemistry	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
096376	2012	Report on the 2011 and 2012 Mineral Exploration Program on the Severance Property	Rock - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Soil - Geochemistry		
094345	2002	2002 Mineral Exploration Program on the Severance Property	Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC012399	Weekly reports - Victor props. - Mim		Property File Collection	Report
ARMC016549	Geology map - Aeromagnetic series - 115J/7 - Mount Pattison		Property File Collection	Geophysical Map
ARMC012374			Property File Collection	Miscellaneous Company Documents
ARMC012392	Preliminary geology - Air photo overlays of 12068-405 - Victor and Mim		Property File Collection	Geoscience Map (General)
ARMC012362	Aeromagnetic series - Map 4317G - Mount Pattison with hand drawn markings		Property File Collection	Geophysical Map
ARMC012365	Aeromagnetic series - Map 4317G - Mount Pattison with hand drawn markings		Property File Collection	Geophysical Map
ARMC012375	Aeromagnetic series - Map 4317G - Mount Pattison with hand drawn markings		Property File Collection	Geophysical Map
ARMC012397	Aeromagnetic series - Map 4317G - Mount Pattison with hand drawn markings		Property File Collection	Geophysical Map
ARMC012363	Aeromagnetic series - Map 4317G - Mount Pattison with hand drawn markings and field notes		Property File Collection	Geophysical Map
ARMC012383	Air photo overlay - Mim claim		Property File Collection	Geoscience Map (General)
ARMC012390	Air photo overlay of 12068-406		Property File Collection	Geoscience Map (General)
ARMC012389	Air photo overlay of 12105-59		Property File Collection	Geoscience Map (General)
ARMC012387	Air photo overlay of 12105-60 showing true location of grid lines - Mim Group		Property File Collection	Geoscience Map (General)
ARMC012408	Air photo overlay of Nisling River - Mim claims		Property File Collection	Geoscience Map (General)
ARMC012394	Air photo overlays of 12068-406 - Victor properties and Mim showing Recce soils and geochemical		Property File Collection	Geochemical Map
ARMC012376	Air photo overlays of 12105-55 and 12105-57 - Mim		Property File Collection	Geoscience Map (General)
ARMC012391	Air photo overlays of 12105-59 - Victor properties and Mim group		Property File Collection	Geoscience Map (General)

ARMC012393	Air photo overlays of 12105-60 - Victor properties and Mim		Property File Collection	Geoscience Map (General)
ARMC012388	Air photo overlays on 115-J-7 - Victor properties and Mim group		Property File Collection	Geoscience Map (General)
ARMC016547	Geochemical map - Aeromagnetic series - 115J/7 - Mount Pattison		Property File Collection	Geophysical Map
ARMC012368	Geochemical map - Cu in soils - SW grid - Mim Group		Property File Collection	Geochemical Map
ARMC012382	Silt sample map and notes of 115-J-7&8 with air photo overlay - Nisling project - Traverse #43		Property File Collection	Geoscience Map (General)
ARMC012409	Silt sample notes of Nisling Project with air photo overlay - Traverse T32		Property File Collection	Geoscience Map (General)
ARMC012400	Geology of the MIM group report with maps		Property File Collection	Report
ARMC012373	Sketch map of Mim group claims		Property File Collection	Geoscience Map (General)
ARMC012366	Geochemical plot map of 115-J-7 - Mount Pattison area		Property File Collection	Geochemical Map
ARMC012372	S.W. grid map, Mim group - Base line begins 500' south of camp & runs at 270 degrees		Property File Collection	Geoscience Map (General)
ARMC012370	Recce geochem results map - Cu, Pb, Zn, Mo in soils & silts - Mim group		Property File Collection	Geochemical Map
ARMC016548	Coloured geology map with notations - Aeromagnetic series - 115J/7 - Mount Pattison		Property File Collection	Geophysical Map
ARMC012395	Analytical work sheet - Geochemical map - Cu, Pb & Zn - Mim group claims		Property File Collection	Miscellaneous Company Documents
ARMC012371	Locations of soil & silt samples collected in the vicinity of the Mim group		Property File Collection	Geoscience Map (General)
ARMC012369	Geochemical grid map with handwritten notes - Mim claims		Property File Collection	Geochemical Map
ARMC012386	Field notes - Mim group		Property File Collection	Miscellaneous Company Documents
ARMC012396	Field sheet - 115J-7 - Mim with hand drawn markings		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC012364	Field sheet - 115J-7 with hand drawn markings		Property File Collection	Geoscience Map (Geological - Bedrock)
02-005	2002 Mineral Exploration Program of the Severance Property		Yukon Government: Energy , Mines and Resources	YMEP Report
04-014	Report on the 2004 Mineral Exploration Program on the Severance Property		Yukon Government: Energy, Mines and Resources	YMEP Report