



Occurrence Details

Occurrence Number: 105L 003

Occurrence Name: Little Salmon

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 6/15/2025 11:40:52 AM

General Information

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

Deposit Type(s): Skarn Pb-Zn

Location(s): 62°12'0" N - -134°9'35" W

NTS Mapsheet(s): 105L01

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

The early history of this occurrence is unknown. It was first shown to the GSC in 1928. It is possible that the Hero and Echo cl (12337), staked for copper in Jun/13 by Hibbard Porter 'in the Glenlyon Range, 35 miles from the Pelly River', were located here.

Staked as Kulan and Tosella cl (63144) in Aug/52 by A. Kulan and B. Law and optioned in 1953 to a syndicate which included Noranda ML, Kerr Addison Gold ML and Prospectors Airways L, which conducted geophysical surveys and drilled 20 shallow holes (166.7 m) between 1953 and 1956. The adjoining Masa cl (68793) and Johanna cl were explored with hand trenching in 1955 and 12 x-ray holes (256.3 m) in 1956 by MacLeod-Cockshutt Gold ML.

The showing was restaked by Kulan as Carol cl (77908) in Aug/62 and optioned to Kerr Addison ML, which conducted mag, EM and SP surveys in 1963 and drilled 4 holes (337.4 m) in 1964. The claims were then optioned in 1965 by Atlas EL, which flew an airborne mag and EM survey in the spring of 1966 and conducted ground mag and EM surveys and soil sampling later in the year.

Restaked as Salmon cl (YA51274) in Aug/80 by Cominco, which performed mapping and geochem sampling in 1981 and 1982. Restaked as Toby cl (YB26800) in Oct/89 by Total Erickson Res L.

Capsule Geology

Two showings occur close together in Mississippian slate, argillite and calc-silicate. The Cliff showing consists of a 0.9 m wide quartz vein which cuts metasedimentary rocks and contains sphalerite, galena, pyrite and minor siderite. A 0.3 m chip sample collected by the GSC returned 805.7 g/t Ag, 48.8% Pb, 1.6% Zn and trace Au.

The Lake showing, which lies 45.7 m north of the Cliff showing, consists of garnet-diopside-quartz and massive magnetite skarn up to 6 m wide and 300 m long developed at the contact of limy chert and Cretaceous or Tertiary quartz-feldspar porphyry. The skarn is well mineralized with pyrite, pyrrhotite and galena with lesser chalcopyrite, tetrahedrite(?), scheelite, fluorite, arsenopyrite and rare molybdenite. A soil sample from the showing assayed 82 ppb Au and 3400 ppm As. Resampling of Kerr Addison's Hole #2 gave an assay of 0.02% Sn over a 16.5 m width. A specimen containing arsenopyrite, galena, sphalerite and chalcopyrite assayed 4500 ppb Au, 7600 ppm As and 351 ppm Ag. The porphyry near the skarn is altered and cut by quartz and fluorite veins containing minor pyrite, scheelite, chalcopyrite, sphalerite and molybdenite.

Two small pyrrhotite gossans, with weak geochemical response, were located 1000 m west and 1000 m east of the Lake showing.

References

ATLAS EXPLORATION LTD, May/66. Prospectus Report by D.D. Campbell.

COMINCO LTD, Oct/82. Assessment Report *#091372 by I.A. Paterson.

GEOLOGICAL SURVEY OF CANADA Paper 65-19, p. 38-40.

GEOLOGICAL SURVEY OF CANADA Summary Report 1928, Part A, p. 1-10.

KERR ADDISON MINES LTD, Aug/63. Assessment Reports #017481 by P.M. Kavanagh.

KERR ADDISON MINES LTD, Aug/63. Assessment Reports #017482 by P.M. Kavanagh and W.M. Sirola.

PROSPECTOR AIRWAYS COMPANY LTD, 1955. Assessment Report *#092055 by L. D&Aigle.

YUKON EXPLORATION AND GEOLOGY 1982, p. 148-149.

Work History

Date	Work Type	Comment
12/31/1982	Geology	
12/31/1982	Geochemistry	Also rock sampling.
12/31/1981	Geology	
12/31/1981	Geochemistry	Also rock sampling.
12/31/1966	Geochemistry	

12/31/1966	Airborne Geophysics	Also magnetic survey.
12/31/1964	Drilling	Four holes, 337.4 m.
12/31/1963	Ground Geophysics	Also EM and Self Potential surveys.
12/31/1956	Drilling	Twelve holes, 256.3 m. Holes collared between 1953 and 1956.
12/31/1956	Drilling	Twenty holes, 166.7 m.
12/31/1955	Trenching	
12/31/1953	Ground Geophysics	Also magnetic survey.
12/13/1966	Ground Geophysics	Also magnetic survey.

Assessment Reports that overlap occurrence					
Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
091372	1982	Geological and Geochemical Assessment Report on the Salmon Claims Located at Latitude: 62°12'n; Longitude: 134°09'w in the Whitehorse Mining District, Y.T.	Rock - Geochemistry, Soil - Geochemistry, Cursory Property Visit - Other		
017482	1963	Report on the Magnetometer, Self-Potential, Electromagnetic and Geological Surveys of the Kulan Little Salmon Property Done Between August 11th and 27th, 1963	Regional Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Self-Potential - Ground Geophysics, Line Cutting - Other		
017481	1963	Electromagnetic and Self-Potential Surveys of the Kulan Little Salmon Lake Property	Regional Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Self-Potential - Ground Geophysics, Line Cutting - Other		
092055	1955	Report on Prospector Airways Ltd, Little Salmon Property	Diamond - Drilling, Rock - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Hand - Trenching	20	166.73

Related References				
Number	Title	Page(s)	Reference Type	Document Type
ARMC002446	Little Salmon Property showing location of claims and geophysical surveys		Property File Collection	Geoscience Map (General)
ARMC006845	Correspondence from Alan Kulan RE: Magundy River Gossan		Property File Collection	Miscellaneous Company Documents
ARMC005799	Claim map - Rusty claims		Property File Collection	Geoscience Map (General)
ARMC005819	Correspondence Re: Kulan - Rust group		Property File Collection	Miscellaneous Company Documents
ARMC005820	Sampling plan map - Trenches A, C, D & E - Little Salmon property		Property File Collection	Geochemical Map
ARMC005821	Geological plan map - Cliff showing - Little Salmon property		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC005822	Geological plan map - Lake showing - Little Salmon property		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC005823	Electro-magnetic survey map - Little Salmon property		Property File Collection	Geophysical Map
ARMC005824	Composite plan map - Little Salmon property		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC005825	Self potential survey map - Little Salmon property		Property File Collection	Geophysical Map
ARMC005826	E.M. survey map - Little Salmon property		Property File Collection	Geophysical Map
ARMC005827	Sketch map - Magcrometer survey - Little Salmon property		Property File Collection	Geoscience Map (General)
ARMC005828	Magcrometer survey map - Little Salmon property		Property File Collection	Geophysical Map
ARMC005829	Sketch map - geology - Little Salmon property		Property File Collection	Geoscience Map (General)
ARMC005830	Sketch map of copper, heavy metals, float, grey limestone, tuffaceous chert - Little Salmon property		Property File Collection	Geoscience Map (General)
ARMC005831	Geological plan map - Little Salmon property		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC003718	Rusty Springs Project - Capsule summary		Property File Collection	Report
ARMC005	Map - DRU location Map 1 2 3 4 - Kulan		Property File	Geoscience Map (General)

832	Map - Drill location nos. 1-2-3-4 - Kulan		Collection	Geoscience Map (General)
ARMC005 833	Map - Little Salmon claims group - Kulan		Property File Collection	Geoscience Map (General)
ARMC005 834	Memorandum Re: Little Salmon property		Property File Collection	Miscellaneous Company Documents
ARMC005 835	Correspondence Re: Kulan - Little Salmon property		Property File Collection	Miscellaneous Company Documents
ARMC005 836	Report - The Little Salmon property		Property File Collection	Report
ARMC005 837	Examination of the Little Salmon showing		Property File Collection	Report
ARMC005 838	Plan map showing drill holes - Kulan, Little Salmon Lake option		Property File Collection	Geoscience Map (General)
ARMC005 839	Sample plan map - Little Salmon property - Cliff showing		Property File Collection	Geoscience Map (General)
ARMC005 840	Diamond drill report - Kulan Little Salmon Lake option		Property File Collection	Report
ARMC005 841	Drilling summary map - Little Salmon property		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC005 842	Geology and claim map - Kulan group		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC005 843	Certificate of analysis - Little Salmon		Property File Collection	Assays
ARMC005 844	Drilling summary report - Little Salmon property		Property File Collection	Report
ARMC010 591	E.M. survey map - Little Salmon property		Property File Collection	Geophysical Map
ARMC010 593	Electro-magnetic survey - Little Salmon Property, Y.T.		Property File Collection	Geophysical Map
ARMC010 594	Detail map of Lake showing - Electromagnetic survey - Little Salmon property		Property File Collection	Geophysical Map
ARMC010 595	Drilling summary report - Little Salmon		Property File Collection	Drill Logs
ARMC010 596	Claim map - Little Salmon property		Property File Collection	Geoscience Map (General)
ARMC008 958	Gravity computation sheet - Line no. 55N - Magundy River		Property File Collection	Geophysical Map
ARMC008 960	Field gravity meter data - Line 82W - Magundy River		Property File Collection	Geophysical Map
ARMC008 961	Field data - Magundy River project		Property File Collection	Miscellaneous Company Documents
ARMC008 962	Field data - Magundy River project		Property File Collection	Miscellaneous Company Documents
ARMC007 422	Self potential survey map - Little Salmon property		Property File Collection	Geophysical Map
ARMC008 943	Bouguer values map - Magundy River area		Property File Collection	Geophysical Map
ARMC007 575	Property submission report - Kulan		Property File Collection	Report
ARMC014 612	Plan of linecutting - Magundy River group		Property File Collection	Geoscience Map (General)
ARMC014 661	Report on the geology of the Carol mineral claims and adjacent areas		Property File Collection	Report
ARMC014 639	Aeromagnetic map - Mud mineral claims - Magundy Area		Property File Collection	Geophysical Map
ARMC014 609	Airborne EM-mag and photo geology - Carol, Mud & Mag claims - Magundy River group		Property File Collection	Geophysical Map
ARMC016 520	Geological map of 105L/1 - Truitt Creek - Tintina project		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014 597	Aeromagnetic series map 3396 G - Truitt Creek with field locations marked		Property File Collection	Geophysical Map
ARMC014 613	Air photo overlays - A12231-110, A12326-284, 282		Property File Collection	Geoscience Map (General)
ARMC016 523	Structural and geology map showing contacts and faults - Truitt Creek		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014 600	Notes - Magundy project		Property File Collection	Miscellaneous Company Documents

ARMC016519	Geochemical map of 105L/1 - Truitt Creek	Property File Collection	Geochemical Map
ARMC016521	Geochemical map of 105L/1 - Truitt Creek	Property File Collection	Geochemical Map
ARMC014615	Sketch grid of Magundy River group	Property File Collection	Geoscience Map (General)
ARMC014614	Sketch map of Magundy River group	Property File Collection	Geoscience Map (General)
ARMC014645	Ground electromagnetic survey - Crone JEM horizontal loop - Magundy project - Mud M.C. group - B grid	Property File Collection	Geophysical Map
ARMC014634	Ground electromagnetic survey - JEM horizontal loop - Mud mineral claims - Magundy area - Grid "C"	Property File Collection	Geophysical Map
ARMC014635	Ground electromagnetic survey - JEM horizontal loop, contour map - Mud mineral claims - Magundy area - Grid "C"	Property File Collection	Geophysical Map
ARMC014664	Soil sample locations - Kulan Lk. area, Y.T.	Property File Collection	Geoscience Map (General)
ARMC014626	Magnetometer survey - M.C. group - Worksheet	Property File Collection	Geophysical Map
ARMC014628	Magnetometer survey - Magundy "C" grid	Property File Collection	Geophysical Map
ARMC016522	Geologic data map of 105L/1 - Truitt Creek	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014644	Key map and grid location - Mud mineral claims	Property File Collection	Geoscience Map (General)
ARMC014647	Magundy "B" grid - Incomplete Cu, Pb, Zn values	Property File Collection	Geochemical Map
ARMC014602	Magundy area - Progress report - June 1966	Property File Collection	Report
ARMC014599	Magundy notes - Geophysics B grid	Property File Collection	Miscellaneous Company Documents
ARMC014624	Magundy OEX - Previous work - Notes of lines	Property File Collection	Miscellaneous Company Documents
ARMC014642	Ground magnetometer survey - Contour map - Mud claim group 'B' grid - Magundy project area	Property File Collection	Geophysical Map
ARMC014629	Ground magnetometer survey - Gamma values - Mud claim group 'C' grid - Magundy project area	Property File Collection	Geophysical Map
ARMC014636	Ground magnetometer survey - Gamma values & profiles - Mud claim group 'C' grid - Magundy project area	Property File Collection	Geophysical Map
ARMC014641	Ground magnetometer survey - Gamma values & profiles - Mud claim group 'B' grid - Magundy project area	Property File Collection	Geophysical Map
ARMC014637	Ground magnetometer survey - Mud claim group 'C' grid - Magundy project area	Property File Collection	Geophysical Map
ARMC014630	Ground magnetometer survey - Profiles - Mud claim group 'C' grid - Magundy project area	Property File Collection	Geophysical Map
ARMC014588	Provisional map 105L/1 - Truitt Creek - 1969 worksheet with geology showings	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014596	Provisional map 105L/1 - Truitt Creek with field notations	Property File Collection	Geoscience Map (General)
ARMC014622	Geology - Magundy River group	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014648	Geophysical map - Magundy "B" grid incomplete	Property File Collection	Geophysical Map
ARMC014625	Geochemical soil sampling survey - Cu, Pb & Zn results by atomic absorption spectrophotometer analysis - Mud mineral claims - Magundy area - Grid "C"	Property File Collection	Geochemical Map
ARMC014643	Geochemical soil sampling survey - Cu, Pb & Zn results by atomic absorption spectrophotometer analysis - Grid "B" - Magundy area - Mud mineral claims	Property File Collection	Geochemical Map
ARMC014662	Geochemical soil sampling surveys - Mud mineral claim group - Magundy area, Whitehorse mining division	Property File Collection	Report
ARMC014616	Geology - A & B grids - Magundy River group	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014631	Geology - M.C. group	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014610	Geochemical soil survey data - Magundy - C-grid	Property File Collection	Miscellaneous Company Documents
ARMC014619	Geochemical soil survey data - Magundy A-grid, B-grid & C-grid	Property File Collection	Miscellaneous Company Documents
ARMC014618	Geochemical stream sediment survey data - R6-66, Stream II - Magundy River	Property File Collection	Miscellaneous Company Documents

ARMC014627	Geochemical survey - Worksheet - Magundy C-grid		Property File Collection	Geochemical Map
ARMC014617	Analytical work sheets - Geochemical - Report numbers R-6-66, R-9-66, R-13-66, R-17-66, R-24-66 - Magundy River		Property File Collection	Miscellaneous Company Documents
ARMC014611	Analytical work sheets - Geochemical - Report number R-29-66 - Magundy River		Property File Collection	Miscellaneous Company Documents
ARMC014632	Geochemical survey - Copper, lead & zinc - Magundy group		Property File Collection	Geochemical Map
ARMC014663	Magnetic and electromagnetic geophysical surveys - Mud mineral claim group - Magundy area, Whitehorse mining division		Property File Collection	Report
ARMC014620	Geochemical analytical report - Soil samples - Magundy River group		Property File Collection	Miscellaneous Company Documents
ARMC014621	Geochemical graphs - Magundy River		Property File Collection	Miscellaneous Company Documents
ARMC014640	Electromagnetic map - Mud mineral claims - Magundy Area		Property File Collection	Geophysical Map
ARMC014646	Electro-magnetic survey - Magundy "B" grid worksheet		Property File Collection	Geophysical Map
ARMC014633	Electro-magnetic survey - Magundy B grid		Property File Collection	Geophysical Map
ARMC020556	Field notebook - Rat group, Magundy group, A group, B group and Kerr showing		Property File Collection	Miscellaneous Company Documents
ARMC014623	Airborne geophysics - Overlay showing magnetic anomaly and e.m. anomaly - Magundy River Group		Property File Collection	Geophysical Map
ARMC014601	Daily log - A. Harman camp - Magundy project		Property File Collection	Miscellaneous Company Documents