



## Occurrence Details

**Occurrence Number:** 105L 003

**Occurrence Name:** Little Salmon

**Occurrence Type:** Hard-rock

**Status:** Prospect

**Date printed:** 4/28/2025 12:07:02 PM

## 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 Glenyon 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 |
|------------------------|------|--|---|---------------|----------------|
| <a href="#">091372</a> | 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  |               |                |
| <a href="#">017482</a> | 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 |               |                |
| <a href="#">017481</a> | 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 |               |                |
| <a href="#">092055</a> | 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                         |
|----------------------------|--|---------|--------------------------|---------------------------------------|
| <a href="#">ARMC002446</a> | Little Salmon Property showing location of claims and geophysical surveys                            |         | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC006845</a> | Correspondence from Alan Kulan RE: Magundy River Gossan  |         | Property File Collection | Miscellaneous Company Documents       |
| <a href="#">ARMC005799</a> | Claim map - Rusty claims   |         | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC005819</a> | Correspondence Re: Kulan - Rust group  |         | Property File Collection | Miscellaneous Company Documents       |
| <a href="#">ARMC005820</a> | Sampling plan map - Trenches A, C, D & E - Little Salmon property                                    |         | Property File Collection | Geochemical Map                       |
| <a href="#">ARMC005821</a> | Geological plan map - Cliff showing - Little Salmon property   |         | Property File Collection | Geoscience Map (Geological - Bedrock) |
| <a href="#">ARMC005822</a> | Geological plan map - Lake showing - Little Salmon property  |         | Property File Collection | Geoscience Map (Geological - Bedrock) |
| <a href="#">ARMC005823</a> | Electro-magnetic survey map - Little Salmon property   |         | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC005824</a> | Composite plan map - Little Salmon property  |         | Property File Collection | Geoscience Map (Geological - Bedrock) |
| <a href="#">ARMC005825</a> | Self potential survey map - Little Salmon property   |         | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC005826</a> | E.M. survey map - Little Salmon property   |         | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC005827</a> | Sketch map - Magcrometer survey - Little Salmon property   |         | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC005828</a> | Magcrometer survey map - Little Salmon property  |         | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC005829</a> | Sketch map - geology - Little Salmon property  |         | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC005830</a> | Sketch map of copper, heavy metals, float, grey limestone, tuffaceous chert - Little Salmon property |         | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC005831</a> | Geological plan map - Little Salmon property   |         | Property File Collection | Geoscience Map (Geological - Bedrock) |
| <a href="#">ARMC003718</a> | Rusty Springs Project - Capsule summary  |         | Property File Collection | Report                                |
| <a href="#">ARMC005</a>    | Map - DRM location Map 1 2 3 4 Kulan   |         | Property File            | Geoscience Map (General)              |

|  |   |  |                          |                                       |
|--|---|--|--------------------------|---------------------------------------|
| <a href="#">832</a>                            | Map - DD1 LOCATION NOS. 12757 - Kulan   |  | Collection               | Geoscience Map (General)              |
| <a href="#">ARMC005</a><br><a href="#">833</a> | Map - Little Salmon claims group - Kulan  |  | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC005</a><br><a href="#">834</a> | Memorandum Re: Little Salmon property   |  | Property File Collection | Miscellaneous Company Documents       |
| <a href="#">ARMC005</a><br><a href="#">835</a> | Correspondence Re: Kulan - Little Salmon property                                 |  | Property File Collection | Miscellaneous Company Documents       |
| <a href="#">ARMC005</a><br><a href="#">836</a> | Report - The Little Salmon property   |  | Property File Collection | Report                                |
| <a href="#">ARMC005</a><br><a href="#">837</a> | Examination of the Little Salmon showing  |  | Property File Collection | Report                                |
| <a href="#">ARMC005</a><br><a href="#">838</a> | Plan map showing drill holes - Kulan, Little Salmon Lake option                   |  | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC005</a><br><a href="#">839</a> | Sample plan map - Little Salmon property - Cliff showing                          |  | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC005</a><br><a href="#">840</a> | Diamond drill report - Kulan Little Salmon Lake option                            |  | Property File Collection | Report                                |
| <a href="#">ARMC005</a><br><a href="#">841</a> | Drilling summary map - Little Salmon property                                     |  | Property File Collection | Geoscience Map (Geological - Bedrock) |
| <a href="#">ARMC005</a><br><a href="#">842</a> | Geology and claim map - Kulan group   |  | Property File Collection | Geoscience Map (Geological - Bedrock) |
| <a href="#">ARMC005</a><br><a href="#">843</a> | Certificate of analysis - Little Salmon   |  | Property File Collection | Assays                                |
| <a href="#">ARMC005</a><br><a href="#">844</a> | Drilling summary report - Little Salmon property                                  |  | Property File Collection | Report                                |
| <a href="#">ARMC010</a><br><a href="#">591</a> | E.M. survey map - Little Salmon property  |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC010</a><br><a href="#">593</a> | Electro-magnetic survey - Little Salmon Property, Y.T.                            |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC010</a><br><a href="#">594</a> | Detail map of Lake showing - Electromagnetic survey - Little Salmon property      |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC010</a><br><a href="#">595</a> | Drilling summary report - Little Salmon   |  | Property File Collection | Drill Logs                            |
| <a href="#">ARMC010</a><br><a href="#">596</a> | Claim map - Little Salmon property  |  | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC008</a><br><a href="#">958</a> | Gravity computation sheet - Line no. 55N - Magundy River                          |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC008</a><br><a href="#">960</a> | Field gravity meter data - Line 82W - Magundy River                               |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC008</a><br><a href="#">961</a> | Field data - Magundy River project  |  | Property File Collection | Miscellaneous Company Documents       |
| <a href="#">ARMC008</a><br><a href="#">962</a> | Field data - Magundy River project  |  | Property File Collection | Miscellaneous Company Documents       |
| <a href="#">ARMC007</a><br><a href="#">422</a> | Self potential survey map - Little Salmon property                                |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC008</a><br><a href="#">943</a> | Bouguer values map - Magundy River area   |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC007</a><br><a href="#">575</a> | Property submission report - Kulan  |  | Property File Collection | Report                                |
| <a href="#">ARMC014</a><br><a href="#">612</a> | Plan of linecutting - Magundy River group   |  | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC014</a><br><a href="#">661</a> | Report on the geology of the Carol mineral claims and adjacent areas              |  | Property File Collection | Report                                |
| <a href="#">ARMC014</a><br><a href="#">639</a> | Aeromagnetic map - Mud mineral claims - Magundy Area                              |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC014</a><br><a href="#">609</a> | Airborne EM-mag and photo geology - Carol, Mud & Mag claims - Magundy River group |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC016</a><br><a href="#">520</a> | Geological map of 105L/1 - Truitt Creek - Tintina project                         |  | Property File Collection | Geoscience Map (Geological - Bedrock) |
| <a href="#">ARMC014</a><br><a href="#">597</a> | Aeromagnetic series map 3396 G - Truitt Creek with field locations marked         |  | Property File Collection | Geophysical Map                       |
| <a href="#">ARMC014</a><br><a href="#">613</a> | Air photo overlays - A12231-110, A12326-284, 282                                  |  | Property File Collection | Geoscience Map (General)              |
| <a href="#">ARMC016</a><br><a href="#">523</a> | Structural and geology map showing contacts and faults - Truitt Creek             |  | Property File Collection | Geoscience Map (Geological - Bedrock) |
| <a href="#">ARMC014</a><br><a href="#">600</a> | Notes - Magundy project   |  | Property File Collection | Miscellaneous Company Documents       |

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

|                                 |   |  |                             |                                    |
|---------------------------------|---|--|-----------------------------|------------------------------------|
| <a href="#">ARMC014<br/>627</a> | Geochemical survey - Worksheet - Magundy C-grid   |  | Property File<br>Collection | Geochemical Map                    |
| <a href="#">ARMC014<br/>617</a> | 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<br>Collection | Miscellaneous Company<br>Documents |
| <a href="#">ARMC014<br/>611</a> | Analytical work sheets - Geochemical - Report number R-29-66 - Magundy River  |  | Property File<br>Collection | Miscellaneous Company<br>Documents |
| <a href="#">ARMC014<br/>632</a> | Geochemical survey - Copper, lead & zinc - Magundy group  |  | Property File<br>Collection | Geochemical Map                    |
| <a href="#">ARMC014<br/>663</a> | Magnetic and electromagnetic geophysical surveys - Mud mineral claim group - Magundy area, Whitehorse mining division |  | Property File<br>Collection | Report                             |
| <a href="#">ARMC014<br/>620</a> | Geochemical analytical report - Soil samples - Magundy River group  |  | Property File<br>Collection | Miscellaneous Company<br>Documents |
| <a href="#">ARMC014<br/>621</a> | Geochemical graphs - Magundy River  |  | Property File<br>Collection | Miscellaneous Company<br>Documents |
| <a href="#">ARMC014<br/>640</a> | Electromagnetic map - Mud mineral claims - Magundy Area   |  | Property File<br>Collection | Geophysical Map                    |
| <a href="#">ARMC014<br/>646</a> | Electro-magnetic survey - Magundy "B" grid worksheet  |  | Property File<br>Collection | Geophysical Map                    |
| <a href="#">ARMC014<br/>633</a> | Electro-magnetic survey - Magundy B grid  |  | Property File<br>Collection | Geophysical Map                    |
| <a href="#">ARMC020<br/>556</a> | Field notebook - Rat group, Magundy group, A group, B group and Kerr showing  |  | Property File<br>Collection | Miscellaneous Company<br>Documents |
| <a href="#">ARMC014<br/>623</a> | Airborne geophysics - Overlay showing magnetic anomaly and e.m. anomaly - Magundy River Group                         |  | Property File<br>Collection | Geophysical Map                    |
| <a href="#">ARMC014<br/>601</a> | Daily log - A. Harman camp - Magundy project  |  | Property File<br>Collection | Miscellaneous Company<br>Documents |