



Occurrence Details

Occurrence Number: 105G 056
Occurrence Name: Pay
Occurrence Type: Hard-rock
Status: Prospect
Date printed: 12/16/2025 5:58:45 AM

General Information

Secondary Commodities: gold, lead, silver, zinc
Deposit Type(s): Sediment hosted Sedimentary Exhalative Zn-Pb-Ag (Sedex)
Location(s): 61°59'6" N - 130°30'23" W
NTS Mapsheet(s): 105G15
Location Comments: .5 Kilometres
Hand Samples Available: No
Last Reviewed:

Capsule

Work History

Staked as Pay cl (Y13133) in Jul/66 by P. Risby and R. McBean and optioned by Atlas EL, which built a winter road and explored with geophysics, geochem sampling, bulldozer trenching and 17 packsack holes (210.0 m) in 1967. In 1968, 25 holes (1899.2 m) were drilled west of the original showing under a joint venture with Mitsui Mg & Smelting and the property was later transferred to a new company, Fortin Lake ML (95% Atlas, 5% Mitsui). The Atlas interest was transferred to Cima Res L in 1974. The adjoining Pal cl (Y19483) was tied on to the northwest in Oct/67 by Spartan EL and explored with mapping and soil sampling in 1968. Fortin Mg performed minor trenching in 1977. Restaked as Mike cl (YB14554) in Jul/88 by Archer, Cathro.

Capsule Geology

The area is underlain by weakly deformed and slightly metamorphosed Silurian to Triassic sedimentary rock units of the North American miogeocline that have been intruded locally by Cretaceous granite. Yukon-Tanana Terrane rocks far to the south have overthrust North American miogeoclinal rocks and are separated from them by the Inconnu Thrust. The property is underlain by carbonate and quartzite. Regional mapping (Murphy et al., 2001) shows the occurrence to be underlain by Devonian-Mississippian Earn Group. A single mineralized outcrop was found, consisting of brecciated, silicified limestone, which assayed 3.4 g/t Au, 123.4 g/t Ag, 17.2% Pb and trace Zn. Disseminated sphalerite float was found elsewhere by trenching. Most of the drill holes intersected graphitic or limy phyllite with minor sections of the silicified host limestone unit that assayed about 5.3% Zn, 2.8% Pb, 34.3 g/t Ag and 0.7 g/t Au. Some of the deeper holes intersected Road River Formation shale (Ordovician to Lower Devonian) containing up to 2% zinc.

References

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#018916 by C.L. Smith.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#018917 by P.P. Nielson.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#018918 by C.L. Smith.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#018936 by R.J. Darney.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#018937 by J.S. Brock.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#018938 by C.L. Smith.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#018939 by C.L. Smith.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#018940 by R.J. Darney.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#019802 by C.L. Smith.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#019808 by J.S. Brock.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#091168 by R.J. Darney.

ATLAS EXPLORATION COMPANY LTD, 1967. Assessment Report *#092935 by J.S. Brock.

ATLAS EXPLORATION COMPANY LTD, 1968. Assessment Report *#091197 by R. Darney and C. Fleming.

ATLAS EXPLORATION COMPANY LTD, 1969. Assessment Report *#018903 by R.J. Darney.

BOND, J.D., MURPHY, D.C., COLPRON, M., GORDEY, S.P., PLOUFFE, A., ROOTS, C.F., LIPOVSKY, P.S., STRONGHILL, G., AND ABBOTT, J.G., 2002. Digital compilation of bedrock geology and till geochemistry, northern Finlayson Lake map area, Southeastern Yukon (105G), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File Report, 2002-7(D) and Geological Survey of Canada Open File 4243.

GEOLOGICAL SURVEY OF CANADA Paper 68-69, p. 81-83; Paper 69-55, p. 49.

MURPHY, D.C., COLPRON, M., GORDEY, S.P., ROOTS, C.F., ABBOTT, G., AND LIPOVSKY, P.S., 2001. Preliminary bedrock geological map of northern Finlayson Lake area (NTS 105 G) Yukon Territory (1:100 000 scale). Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, Open File 2001-33.

MURPHY, D.C., COLPRON, M., ROOTS, C.F., GORDEY, S.P. AND ABBOTT, J.G., 2002. Finlayson Lake Targeted Geoscience Initiative (southeastern Yukon) , Part 1: Bedrock geology. In: Yukon Exploration and Geology 2001, D.S. Emond, L.H. Weston and L.L. Lewis (eds.), Exploration and Geological Services Division, Yukon Region, Indian and Northern Affairs Canada, p. 189-207.

SPARTAN EXPLORATION LTD, Oct/68. Assessment Report #018942 by C.L. Smith.

SPARTAN EXPLORATION LTD, 1968. Assessment Report *#018943 by C.L. Smith.

SPARTAN EXPLORATION LTD, 1968. Assessment Report *#019914 by C.L. Smith.

Work History

Date	Work Type	Comment
12/31/1977	Trenching	
12/31/1968	Drilling	Twenty-five holes, 1,899.2 m.
12/31/1968	Geology	
12/31/1968	Geochemistry	
12/31/1967	Drilling	Seventeen holes, 210 m. Packsack drilling.
12/31/1967	Development, Surface	
12/31/1967	Geochemistry	
12/31/1967	Ground Geophysics	Also magnetic survey.
12/31/1967	Trenching	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
019802	1967	Geological Report on Pay Mineral Claim Group Fortin Lake Area	Rock - Geochemistry, Detailed Bedrock Mapping - Geology		
019792	1967	A Summary of Exploration to September 30, 1967: Sheldon Area, Fire Lake	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics, Winter Road - Development, Surface, Soil - Geochemistry, Regional Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Mechanical - Trenching		
018939	1967	Geochemical Soil Sampling Surveys on Pay Mineral Claim Group	Soil - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC016330	Geologic, geochemical showings assay and claim group map of sheet 105G/15 - Ross River		Property File Collection	Geochemical Map
ARMC014141	Geologic, geochemical showings, assay and claim group map of sheet 105-G-15 - 1967 geochemical worksheet with notations		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014154	Geologic, showings, and assay sketch map of claims 9 and 10 - Pay group - Figure 43		Property File Collection	Geoscience Map (General)
ARMC014215	Working copy of geochemical values map on line grid - Pay mineral claim group - Sheldon region		Property File Collection	Geochemical Map
ARMC014213	Working copy of values map on line grid - Pay mineral claim group - Sheldon region		Property File Collection	Geophysical Map
ARMC014214	Working copy of values map on line grid (showing two sets of values) - Pay mineral claim group - Sheldon region		Property File Collection	Geophysical Map
ARMC014160	Zinc contours - Pay mineral claims - Sheldon region		Property File Collection	Geochemical Map
ARMC013806	Report on geology of Sheldon region between Pelly Lakes and McEvoy Lake		Property File Collection	Report
ARMC016597	Geochemical map - 105G/15 - Fortin Creek		Property File Collection	Geochemical Map
ARMC014169	Pay mineral claims development map to June 22, 1966		Property File Collection	Geophysical Map
ARMC014172	Pay silt sample results - Method of analysis: Hot Aqua Regia		Property File Collection	Geochemical Map
ARMC014182	Geological cross section - Hole #12 - Pay mineral claims - Sheldon region - Fig. 10		Property File Collection	Geoscience Map (General)
ARMC014180	Geological cross section - Hole #6 & 7 - Pay mineral claims - Sheldon region - Fig. 8		Property File Collection	Geoscience Map (General)

ARMC014183	Geological cross-section - Hole #21, 22 - Pay mineral claims - Sheldon region - Fig.16		Property File Collection	Geoscience Map (General)
ARMC014194	Geological cross-section - Hole #8 - Pay mineral claims - Fig. 9		Property File Collection	Geoscience Map (General)
ARMC014168	Geological field map of the Pay mineral claims area		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014147	Airborne electro magnetic survey - 105G/16 - Pay mineral claims area - Sheldon region		Property File Collection	Geophysical Map
ARMC014166	Airborne electro magnetic survey - Pay mineral claims area - Sheldon region		Property File Collection	Geophysical Map
ARMC014216	Values map on line grid showing line locations - Pay mineral claim group - Sheldon region		Property File Collection	Geochemical Map
ARMC014218	Values map on line grid showing plus/minus differences - Pay mineral claim group - Sheldon region		Property File Collection	Geochemical Map
ARMC014153	Summary report and figures on Pay mineral claim group - Sheldon project, 1967		Property File Collection	Report
ARMC014164	Hypothetical geologic cross-section across west Pay grid as of July 25, 1967 - Pay mineral claims - Sheldon region		Property File Collection	Geoscience Map (General)
ARMC013811	Sheldon project report - Exploration manager's copy		Property File Collection	Report
ARMC014170	Silt sample locations & results - Pay mineral claims		Property File Collection	Geochemical Map
ARMC014209	Geochemical map showing Zn contours - Pay mineral claim group - Sheldon region		Property File Collection	Geochemical Map
ARMC014161	Ground electromagnetic survey - Values and profiles - Pay mineral claims - Sheldon region		Property File Collection	Geophysical Map
ARMC014208	Map of reconnaissance geochemical soil sample survey - Pay mineral claim group - Sheldon region		Property File Collection	Geochemical Map
ARMC014210	Map of reconnaissance geochemical soil sample survey showing GL1-6 - Pay mineral claim group - Sheldon region		Property File Collection	Geochemical Map
ARMC016599	Geochemical results map - 105G/15 - Fortin Creek		Property File Collection	Geochemical Map
ARMC014187	Ground magnetometer survey - Contour map - Pay mineral claims - Sheldon region		Property File Collection	Geophysical Map
ARMC014186	Ground magnetometer survey - Values - Pay mineral claims - Sheldon region		Property File Collection	Geophysical Map
ARMC014173	Pay silt sample results - Method of analysis: Hot Aqua Regia		Property File Collection	Geochemical Map
ARMC014174	Pay silt sample results - Method of analysis: Hot HCL		Property File Collection	Geochemical Map
ARMC014167	Pay silt sample results map - Method of analysis: EDTA		Property File Collection	Geochemical Map
ARMC014207	Section of JEM resultant dip and Zn soil geochem - Pay mineral claim group - Sheldon region		Property File Collection	Geoscience Map (General)
ARMC014178	Line grid map showing variation in values - Pay mineral claims - Sheldon region		Property File Collection	Geophysical Map
ARMC014177	Line grid showing graphed values - Pay mineral claims		Property File Collection	Geophysical Map
ARMC016598	Geochemical sample stations map - 105G/15 - Fortin Creek		Property File Collection	Geochemical Map
ARMC014155	Diamond drilling on Pay mineral claim group with key map of claims and grid - Fortin Lake area - April 7 to October 10 1968		Property File Collection	Report
ARMC014193	Drill hole location map - Green Hill anomaly - Pay mineral claims		Property File Collection	Geoscience Map (General)
ARMC014163	General tracing of geochemical contour map, values in ppm Zn. - Pay mineral claims - Sheldon region		Property File Collection	Geochemical Map
ARMC014188	Compilation map - Summary of work done by Atlas Explorations Limited, 1966 to 1969 - Pay mineral claims		Property File Collection	Geoscience Map (General)
ARMC014179	Drill hole profiles - 1, 2, 2a, 2b, 3, 4, 5, 9, 9a, 10, 11 - Pay mineral claims - Fig. 3		Property File Collection	Geoscience Map (General)
ARMC014185	Drill hole profiles 19, 20 - Pay mineral claims - Sheldon region - Fig. 13		Property File Collection	Geoscience Map (General)
ARMC014184	Drill hole profiles 21 & 22 - Pay mineral claims - Sheldon region - Fig. 14		Property File Collection	Geoscience Map (General)
ARMC014189	Geochemical soil sampling survey - Copper, lead and zinc results by atomic absorption - Spectrophotometer analysis - Pay mineral claims		Property File Collection	Geochemical Map
ARMC014	Geochemical soil sampling survey map - Zn profiles - Pay mineral claims - Sheldon region		Property File	Geochemical Map

176	Geochemical soil sampling survey map - Zn profiles - Pay mineral claims - Sheldon region		Collection	Geochemical map
ARMC014162	Geochemical soil sampling survey, copper lead & zinc results, by atomic absorption spectrophotometer analysis - N. Pay mineral claims - Sheldon region		Property File Collection	Geochemical Map
ARMC014131	Geochem sample locations for ridge SW of Pay camp		Property File Collection	Geochemical Map
ARMC014152	Compilation report - Pay claim group - Fortin Lake area - Field work done August 1966 to August 1969		Property File Collection	Report
ARMC014157	Composite geochemical, geological aeromagnetic and showings map of Pay group		Property File Collection	Geoscience Map (General)
ARMC014217	Contour map - Pay mineral claim group - Sheldon region		Property File Collection	Geochemical Map
ARMC014156	Geology - Stadia survey - Pay mineral claims		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014192	Geochemical survey map on the reconnaissance grid south-east Pay group - Pay mineral claims		Property File Collection	Geochemical Map
ARMC014158	Drillhole profile - Hole #12 - Pay mineral claim group - Sheldon region - Fig. 7		Property File Collection	Geoscience Map (General)
ARMC014195	Drillhole profile - Hole #8 - Pay mineral claims - Fig. 6		Property File Collection	Geoscience Map (General)
ARMC014159	Drillhole profiles - Hole #13, 14, 15, 16, 17 & 18 - Pay mineral claim group - Sheldon region - Fig.11		Property File Collection	Geoscience Map (General)
ARMC014181	Drillhole profiles - Hole #6 & 7 - Pay mineral claims - Sheldon region - Fig. 5		Property File Collection	Geoscience Map (General)
ARMC014211	Mag contour - Pay mineral claim group - Sheldon region		Property File Collection	Geophysical Map
ARMC018609	Log books 1 & 2 - Pay camp		Property File Collection	Miscellaneous Company Documents
ARMC018610	Field notes - Magnetometer survey - Pay		Property File Collection	Miscellaneous Company Documents
ARMC018611	Field notes - Ronka EM - Pay		Property File Collection	Miscellaneous Company Documents
ARMC018612	Field notes - Recon of North-east Pay - Risby's original claims		Property File Collection	Miscellaneous Company Documents
ARMC018614	Field notes - Pay property		Property File Collection	Miscellaneous Company Documents
ARMC020487	Field notes - O South BL survey, North-Pay grid survey, Claim lines, Level survey		Property File Collection	Miscellaneous Company Documents
ARMC014151	Gravity survey report of the Fortin Lake area		Property File Collection	Report
ARMC014165	Geochemical anomaly outlines - Pay mineral claims area - Sheldon region		Property File Collection	Geochemical Map
ARMC014212	EM and mag - Pay mineral claim group - Sheldon region		Property File Collection	Geophysical Map
ARMC014171	Crone JEM ratio profiles - Pay mineral claims - Sheldon region		Property File Collection	Geophysical Map
ARMC014190	Assay results - Hole 7 - Pay mineral claims - Fig. 18		Property File Collection	Geoscience Map (General)
ARMC014191	Assay results - Hole 8 - Pay mineral claims - Fig. 19		Property File Collection	Geoscience Map (General)
ARMC014148	Airborne magnetometer survey - 105G/16 - Pay mineral claims area - Sheldon region		Property File Collection	Geophysical Map
ARMC014175	Diamond drill hole locations - Pay mineral claims - Sheldon region		Property File Collection	Geoscience Map (General)