



Occurrence Details

Occurrence Number: 105F 015

Occurrence Name: Kay

Occurrence Type: Hard-rock

Status: Showing

Date printed: 10/4/2025 7:52:29 AM

General Information

Secondary Commodities: antimony, barite, copper, fluorite, lead, silver, zinc

Deposit Type(s): Sediment hosted Mississippi Valley-Type Pb-Zn (MVT)

Location(s): 61°29'14" N - -132°9'3" W

NTS Mapsheet(s): 105F08

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Kay cl 1-32 (69843) in Oct/54 by H. Versluc for British Yukon Exploration Company, which carried out prospecting, geological mapping and trenching in 1955 and added Pyrite cl 1-4 (71410) on the southwest side in Sep/55.

Restaked as part of a large block of Sharon cl 1-122 (Y17579) in Apr/67 by Northwest Explorers Ltd (International Utilities Ltd and Hudson's Bay Oil and Gas Company Ltd) which carried out soil geochemical sampling later that year.

Restaked as Pescod cl 1-12 (YA90287) in Sep/85 by S. Patnode and transferred to S. Case who carried out geochemical soil sampling in 1986. B. Hall staked Pescod cl 29-31 (YA91273) in Aug/86 contiguous with the northwest corner of the existing claims. In 1987, the property was optioned by Consolidated Rio Plata Resources Ltd which carried out prospecting, geological mapping, geochemical sampling, geophysical surveying, bulldozer trenching and staked Cop cl 23-41 (YB01012) in Aug/87 and Pescod cl 32-33 (YB01302) in Sep/87 to surround the original claims on three sides.

Restaked as Jumbo cl 1-4 (YB89999) in Sep/97 by J. Dodge who carried out prospecting, geochemical sampling and VLF-EM geophysical surveying in 1998.

Capsule Geology

Galena and sphalerite occur with chalcopyrite and tetrahedrite in quartz-barite-fluorite veins, fracture zones and breccia zones, and disseminated in wall rock. The veins and breccia (shear?) zones cut Upper Cambrian to Lower Ordovician limestone and dolomite and overlying Upper Devonian carbonates and Lower Mississippian phyllite and mafic volcanic rocks. Re-trenching in 1987 and 1998 of the main showing (Trench 6 area) revealed two sub-parallel sulfide bearing veins. The principal target being a large north-south trending vein containing massive galena with minor clots of pyrite, sphalerite, quartz and calcite. Assaying of samples of this mineralization produced a weighted average of 68.25% Pb, 2.02% Zn and 2 069 g/t Ag over a true thickness of 2 m and 18.89% Zn, 7.38% Pb and 191 g/t Ag over 3.5 m of width 25 m along strike to the north. Soil sampling suggests that this vein has a possible strike extension of at least 450 m, while geophysics identified a prominent bedrock electromagnetic conductance zone extending for 120 m north from the showing.

References

BRITISH YUKON EXPLORATION COMPANY, Jan/56. Assessment Report #017500 by A.E. Aho and W.A. Padgham.

CONSOLIDATED RIO PLATA RESOURCES LTD, May/88. Assessment Report #092478 by B.V. Hall.

DODGE, J.S., Nov/98. Assessment Report #093908 by J.S. Dodge.

GEOLOGICAL SURVEY OF CANADA, Paper 68-68, p. 76-77.

GORDEY, S.P. and MAKEPEACE, A.J., 1999. Yukon Digital Geology, S.P. Gordey and A.J. Makepeace (comp.); Geological Survey of Canada, Open File D3826, and Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open file 1999-1(D).

HALL, B.V., Sep/86. Assessment Report #091858 by B.V. Hall.

NORTHWEST EXPLORERS LTD, Feb/68. Assessment Report #018892 by A.R. Archer.

NORTHWEST EXPLORERS LTD, Jan/91. Assessment Report #092914 by A.R. Archer.

NORTHWEST EXPLORERS LTD, Jan/91. Assessment Report #092932 by A.R. Archer.

YUKON EXPLORATION 1985-86, p. 221-222; 1988, p. 72.

Work History

Date	Work Type	Comment
12/31/1998	Geochemistry	
12/31/1998	Ground Geophysics	Also VLF survey.
12/31/1998	Other	
12/31/1987	Geology	

12/31/1987	Development, Surface	
12/31/1986	Geology	
12/31/1986	Geochemistry	
12/31/1986	Geochemistry	
12/31/1967	Geochemistry	
12/31/1955	Geology	
12/31/1955	Trenching	
12/13/1987	Ground Geophysics	Also VLF-EM survey .
12/13/1987	Trenching	
12/13/1955	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
094537	2004	Assessment Report Describing Geology, Mineralization and Geochemistry at the Barra Property	Silt - Geochemistry, Bedrock Mapping - Geology		
093475	1996	Evaluation Report, Lancer Quartz Claims	Data Compilation - Pre-existing Data		
062308	1993	Re-evaluation of Specialty-Metals and Rare Earth Resources, Ketza River Area, South-central Yukon	Property Evaluation - Other		
093036	1991	Results of Sampling, Lancer 1-8 Claims	Rock - Geochemistry, Radiometric Survey - Ground Geophysics, Petrographic - Lab Work/Physical Studies		
092478	1987	Report on Geological Mapping, Soil Geochemistry, Geophysics and Trenching on the Pescod 1-12, 29-33 and Cop 23-41 Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics, Backhoe - Trenching		
091767	1987	1987 Geophysical Assessment Report, High River/Quillo Property	Electromagnetic - Airborne Geophysics, Magnetic - Airborne Geophysics		
092526	1987	Report on Geological Mapping, Soil Sampling, Geophysics and Trenching on the Pescod 1-12, 29-33 and Cop 23-41 Claims	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, Magnetics - Ground Geophysics		
092932	1968	Report on Silver and Gold Analysis 1967 Ketza River, Yukon, Soil Geochemistry Program for Northwest Exploreres Ltd.	Soil - Geochemistry, Soil - Geochemistry		
018892	1967	Report on 1967 Geochemical Exploration Program, Sharon, Suzie, Terry, Verna & Janet Claims	Soil - Geochemistry, Bedrock Mapping - Geology		
017500	1955	Geologic Report on the Kay Group of Claims and Upper White Creek	Bedrock Mapping - Geology		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC014 424	Plan of trenches on Pyrite No. 4 showing (Locality E) map - Cone claims - Upper White Creek, Y.T.		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014 393	Plan showing mineralized Locality "E" and location of Pyrite No. 4 showing - White Creek, Y.T.		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014 262	Plan showing trenches on Pyrite No. 4 showing (Locality "E") and Plan showing mineralized Locality "E" and pyrite No. 4 showing - White Creek, Y.T.		Property File Collection	Geoscience Map (General)
ARMC014 290	Preliminary geologic map of Kay group of claims and Upper White Creek - Ketza River area, Y.T.		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014 395	Report to unit holders - August 30, 1962 - Pelly Minerals Syndicate		Property File Collection	Report
ARMC014 284	Sketch map showing mineralization and claims at Upper White Creek Y.T.		Property File Collection	Geoscience Map (General)
ARMC014 260	Sketch plan of Kay 25 showing (Locality "G") - Upper White Creek, Y.T.		Property File Collection	Geoscience Map (General)