



Occurrence Details

Occurrence Number: 105F 022

Occurrence Name: Grayling

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 4/29/2025 10:26:19 AM

General Information

Secondary Commodities: gold, lead, silver, zinc

Aliases: Cone, Ram

Deposit Type(s): Vein Polymetallic Ag-Pb-Zn+/-Au

Location(s): 61°36'30" N - -132°36'47" W

NTS Mapsheet(s): 105F10

Location Comments: .5 Kilometres

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

Staked as Cone, J & Auch cl (79878) in Oct/62 by H. Verslucé for the Pelly Minerals Syndicate (Canex Exploration Ltd, Kerr Addison Mines Ltd, Noranda Inc and Homestake Canada Inc), which carried out hand trenching, geological mapping and a magnetometer surveying in 1963. Restaked in Oct/67 as Dempsey cl (Y22409) by Mayo Silver Mines Ltd and optioned in 1968 to Canol Mines Ltd, which carried out bulldozer trenching and drilled 7 holes (1 452 m) in 1969.

Restaked as Coot cl (Y74015) in Aug/73 by P. Verslucé and A. Arsenault, who added Jack and Jeff cl (YA12216) in Dec/76. The Jeff and Jack groups were restaked as Nex cl 1-36 (YA58189) in Apr/81 by Seagull Joint Venture (Great Western Petroleum Corporation and Lornex Mining Corporation), which carried out geological mapping and geochemical sampling later in the year.

Restaked as part of a block of 758 Ram cl (YA71576) in September and Dec/84 by Regional Resources Ltd, which carried out an extensive program of geological mapping, soil geochemical sampling and trenching in 1985 and transferred its interests to Fairfield Minerals Ltd in 1986. In a joint venture with Equity Silver Mines Ltd, Fairfield carried out geological mapping, geochemical sampling, IP, VLF EM and magnetometer surveying in 1987 and constructed 6.4 km of roads and drilled 9 holes (995 m) in 1988.

In Feb/91, Pacific Comox Resources Ltd, owner of the adjacent TAY-LP property, optioned the Ram group and flew an airborne EM and high resolution magnetic survey over both properties in Aug/91. In Jan/93, Pacific Comox converted its option on the 439 Ram claims into a 100% working interest subject to a 1% NSR royalty.

Restaked as Moon cl 1-2 (YB70836) by R. Berdahl in Oct/95. P. Chidzey surrounded the claims with Ley cl 1-10, 15 and 16 (YB71017) in Nov/95. The Moon and Ley claims were transferred to Consolidated Shoshoni Gold Inc in Apr/96, which immediately added the Ley cl 11-14 (YB82825) and Kay cl 1-16 (YB82805) 5 km to the south at the same time and carried out geochemical sampling of the Moon claims. Consolidated Shoshoni staked the Ley cl 17-20 (YB86719) in Aug/96 and restaked the Ley claims as Joe cl 1-16 (YB89843) in Aug/97.

In 1997, St. Cyr Minerals Ltd optioned the Kay claims and carried out reconnaissance geological mapping, geochemical sampling and prospecting. The company staked Pre cl 1-18 (YB89865) contiguous with the northern boundary of the Kay claims (1.5 km south of this occurrence) in Aug/97 and carried out geological mapping and geochemical sampling.

The occurrence itself was restaked as B cl 1-4 (YB92568) in Dec/99 by G. MacDonald.

Capsule Geology

Pyrrhotite, galena, and pyrite occur in marble lenses along an unconformity between Mississippian pyritic slate and Upper Devonian carbonate. The showings are located near a stock of coarse-grained hornblende syenite, and associated volcanic breccia.

The main sulphide body forms a sheet 3 m thick and up to 25 m long. Other smaller zones occur nearby. A specimen assayed 79.0% Pb, 915.4 g/t Ag, 0.2% Zn and 0.7 g/t Au. Drilling showed that the mineralization is discontinuous. The best intersection, from an altered breccia zone, assayed 9.0% Pb, 5.0% Zn and 219.4 g/t Ag across 3.6 m.

Massive pyrrhotite is also found in rusty shear zones up to 5 m wide which cut the volcanic breccia. Assays reported by Fairfield include 6.2 g/t Au, 521.1 g/t Ag, 21.8% Pb and 1.7% Zn from a 6.2 m chip sample and 12.3 g/t Au and 17.1 g/t Ag from massive sulphide float.

Three of the nine 1988 drill holes which tested the main target intersected massive sulphides, while five other holes tested a geophysical anomaly and intersected graphitic schist. A drill hole off the north end of the TAY-LP (Minfile Occurrence #105F 121) claims intersected a quartz-pyrrhotite vein grading 2.2 g/t Au over 5.48 m.

Ground follow-up EM and magnetometer surveying outlined strong conductors which coincide with the previously outlined Wolf gold soil anomaly. The 1991 airborne survey outlined several magnetic anomalies associated with VLF conductors. Sampling in 1996 detected two spot anomalies for gold (130 and 210 ppb), but did not locate a source for the gold/silver bearing massive sulfide float.

The Pre claims are underlain by Mississippian intermediate to felsic flows containing disseminated pyrite and iron-quartz-carbonate veins with barite and galena, grab samples of which returned 3.57% Cu, 2.45% Zn and 50 g/t Ag.

References

FAIRFIELD MINERALS LTD, Dec/83. Assessment Report #092611 by J.J. Hyland.

FAIRFIELD MINERALS LTD, Sep/87. Assessment Report #092096 by J.J. Hyland.

FAIRFIELD MINERALS LTD, 7 Dec/87. Press Release.

GEOLOGICAL SURVEY OF CANADA Paper 64-36, p. 41-42.

GEORGE CROSS NEWSLETTER, 13 Feb/92; 18 Jan/93.

GREAT WESTERN PETROLEUM CORPORATION, Dec/81. Assessment Report #090978 by L.K. Eccles.

MACDONALD, G.C., Sep/97. Assessment Report #093734 by G.C. MacDonald.

PELLY MINERALS SYNDICATE, 1963. Assessment Report *#092065 by A.E. Aho and H. Verslucé.

PACIFIC COMOX RESOURCES LTD, Jun/92. Assessment Report #093034 by D.L. McConnell.

REGIONAL RESOURCES LTD, Jan/86. Assessment Report #091768 by M.A. Stammers.

ST. CYR MINERALS LTD, Feb/98. Assessment Report #093805 by V. Addison.

YUKON EXPLORATION 1985-86, p. 219-221; 1987, p. 154.

YUKON EXPLORATION AND GEOLOGY 1981, p. 127.

YUKON MINING AND EXPLORATION OVERVIEW 1988, p. 23.

Work History

Date	Work Type	Comment
12/31/1997	Geology	
12/31/1997	Geochemistry	
12/31/1996	Geochemistry	
12/31/1993	Geology	
12/31/1993	Ground Geophysics	
12/31/1991	Airborne Geophysics	Also high resolution magnetic survey.
12/31/1988	Drilling	Thirty-one holes, 3,723.13 m.
12/31/1987	Geochemistry	
12/31/1987	Geology	
12/31/1987	Geochemistry	
12/31/1987	Ground Geophysics	Also VLF, EM and magnetometer surveys.
12/31/1985	Geochemistry	
12/31/1985	Geology	
12/31/1985	Geochemistry	
12/31/1985	Trenching	
12/31/1985	Other	
12/31/1981	Geology	
12/31/1981	Geochemistry	
12/31/1969	Drilling	Seven holes, 442.5 m.
12/31/1969	Trenching	
12/31/1963	Geology	
12/31/1963	Ground Geophysics	Magnetometer survey.
12/31/1963	Trenching	
12/13/1997	Other	

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
092096	1987	Geological, Geochemical & Geophysical Report on the Ram 1-178 & Mat 1-12 Mineral Claims	Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics, IP - Ground Geophysics, Magnetics - Ground Geophysics		
062259	1985	Yukon Mineral Properties of Fairfield Minerals Ltd.	Research/Summarize - Pre-existing Data		
091768	1985	Geological and Geochemical Report on the Ram 1-758 Mineral Claims	Soil - Geochemistry, Bedrock Mapping - Geology		
090978	1981	Geochemical Report on the Nex Claims	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry		
091143	1969	Summary Report, Seagull Lake Property	Diamond - Drilling, Rock - Geochemistry, Bedrock Mapping - Geology, Backhoe - Trenching	15	915.77
092065	1963	Progress Report on Pelly Mountains Project	Rock - Geochemistry		

Related References

Number	Title	Page(s)	Reference Type	Document Type
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ARMC005259	Claim map - Jonathan option	Property File Collection	Geoscience Map (General)
ARMC005260	Claim group map - Ketza Creek	Property File Collection	Geoscience Map (General)
ARMC005261	Extract from letter - Re: Ketza River group	Property File Collection	Miscellaneous Company Documents
ARMC005263	Report on Ketza River claims	Property File Collection	Report
ARMC004957	Map showing location of Tet, Rio and Cone claims - Ketza River area	Property File Collection	Geoscience Map (General)
ARMC004958	Report on progress of exploration - Cone group	Property File Collection	Report
ARMC004959	Assay certificate - Cone group	Property File Collection	Assays
ARMC004960	Report on programme of Pelly Minerals syndicate	Property File Collection	Report
ARMC004961	Notes and sketch map on the Pelly Minerals project	Property File Collection	Miscellaneous Company Documents
ARMC004962	Correspondence Re: Pelly Mineral syndicate properties	Property File Collection	Miscellaneous Company Documents
ARMC008864	Combined progress reports for November and December, 1966	Property File Collection	News Release
ARMC008865	Correspondence Re: Ketza claims - Silver Key Mines	Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC008866	Correspondence and sketch maps Re: Stump Mines Ltd. - Silver Key Mines - Ketza River project	Property File Collection	Miscellaneous Company Documents
ARMC008867	Map - Ketza River project - Ross River area, Yukon	Property File Collection	Miscellaneous Company Documents
ARMC008868	News clippings: Pelly mineral syndicate	Property File Collection	Geoscience Map (General)
ARMC008869	Correspondence Re: Pelly River properties	Property File Collection	Miscellaneous Company Documents
ARMC008870	Correspondence Re: Pelly River properties - Dr. Aho	Property File Collection	Miscellaneous Company Documents
ARMC008871	Assay certificate - Pelly minerals venture	Property File Collection	Assays
ARMC008872	Assay certificate - Pelly minerals	Property File Collection	Assays
ARMC008873	Correspondence Re: Pelly minerals project	Property File Collection	Miscellaneous Company Documents
ARMC008874	Notes - Pelly minerals project	Property File Collection	Miscellaneous Company Documents
ARMC008875	Notes - Pelly minerals	Property File Collection	Miscellaneous Company Documents
ARMC008876	Report on progress of exploration - Pelly Minerals project	Property File Collection	Report
ARMC008877	Report on progress of exploration - Pelly Minerals project	Property File Collection	Report
ARMC008878	Report on progress of exploration - Pelly Minerals project	Property File Collection	Report
ARMC008879	Correspondence Re: Pelly minerals project	Property File Collection	Miscellaneous Company Documents
ARMC008880	Map showing location of Tet, Rio and Cone claims - Ketza River area	Property File Collection	Geoscience Map (General)
ARMC008881	Report on programme of Pelly Minerals Syndicate	Property File Collection	Report
ARMC008882	Map - Cone No. 1 mineral claim	Property File Collection	Geoscience Map (General)
ARMC008883	Correspondence Re: Pelly River project	Property File Collection	Miscellaneous Company Documents
ARMC008885	Correspondence Re: Acquired claim groups - Pelly River project	Property File Collection	Miscellaneous Company Documents
ARMC014275	Report and map on Pelly minerals project	Property File Collection	Report
ARMC014273	Plan of magnetic survey of main showings, Cone group	Property File Collection	Geophysical Map
ARMC014279	Plan of main showing area - Cone #1 claim - Pelly Minerals project - Figure 1	Property File Collection	Geoscience Map (Geological - Bedrock)

ARMC014424	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)
ARMC014283	Preliminary report - Cone claims - McConnell Creek, Yukon Terr. - Pelly River Syndicate		Property File Collection	Report
ARMC014277	Report on progress of exploration - August 30, 1963 - Pelly Minerals project		Property File Collection	Report
ARMC014278	Report on progress of exploration - September 30, 1963 - Pelly Minerals project		Property File Collection	Report
ARMC014257	Report on progress of exploration including plan of magnetic survey of main showing - Cone group - Pelly Minerals Syndicate		Property File Collection	Report
ARMC014426	Report on Upper White Creek, Ketza River area, Y.T.		Property File Collection	Report
ARMC014410	Property examination - Field notes, air photo overlay A12238-71 and assay certificate for W of Canal Mines		Property File Collection	Report
ARMC014271	Map showing location of Tet, Rio and Cone claims - Ketza River area		Property File Collection	Geoscience Map (General)
ARMC014416	Memorandum Re: Cone and other groups - Pelly River area		Property File Collection	Miscellaneous Company Documents
ARMC014425	Summary report on silver-lead mineralization in the Upper White Creek Area, Y.T.		Property File Collection	Report
ARMC014412	Summary report - Seagull Lake property		Property File Collection	Report
ARMC014420	Mineral showings on Cone claims - Pelly Minerals Syndicate		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014276	Nature of mineral occurrences noted on Quiet Lake sheet - Silver-lead ratios in showings and float at White Lake		Property File Collection	Miscellaneous Company Documents
ARMC014422	Sketch map - Mineralized zones marked on Cone claims		Property File Collection	Geoscience Map (General)
ARMC014284	Sketch map showing mineralization and claims at Upper White Creek Y.T.		Property File Collection	Geoscience Map (General)
ARMC014280	Sketch plan of Cone No. 1 & 2 claims showing trenching done in 1963 - Quiet Lake sheet		Property File Collection	Geoscience Map (General)
ARMC014421	Section AA' - Profile DDH #2 - Cone Claims - Pelly River		Property File Collection	Geoscience Map (General)
ARMC014417	Section BB' - Profile DDH #1 - Cone claims - Pelly River		Property File Collection	Geoscience Map (General)
ARMC014418	Section CC' - Layout DDH #3 - Cone claims - Pelly River		Property File Collection	Geoscience Map (General)
ARMC014411	Progress report No. 1, 1969 - Seagull Lake property, Yukon		Property File Collection	Report
ARMC014414	Claims sheet 105F/10 with field markings		Property File Collection	Geoscience Map (General)
ARMC014254	Discovery - No. 1 Cone claim - Sketch map and notes		Property File Collection	Geoscience Map (General)
ARMC014423	Correspondence re: Cone claims		Property File Collection	Miscellaneous Company Documents
ARMC014396	Application for tote trail assistance - Pelly Minerals		Property File Collection	Report
ARMC014415	Assay certificate - Cone claims 1962-1963 - File nos. 1248-3, 1471-2, 1493-15, 1539-3, 1540-11, 1576-6, 1614-4, 1661-4, 1710-1		Property File Collection	Assays
ARMC014272	Assay certificate - Pelly Minerals - File No. 1737-2		Property File Collection	Assays
ARMC014419	Cross section of main showing on Cone claims - Ketza River District, Yukon		Property File Collection	Geoscience Map (General)