



Occurrence Details

Occurrence Number: 105F 057

Occurrence Name: Ketzakey

Occurrence Type: Hard-rock

Status: Deposit

Date printed: 4/30/2025 1:03:15 AM

General Information

Primary Commodities: lead, silver

Secondary Commodities: antimony, copper, gold

Aliases: Key 18b

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

Location(s): 61°33'3" N - -132°9'25" W

NTS Mapsheet(s): 105F09

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

Staked as Key cl (69101) by G. Fairclough and optioned in 1955 by Conwest Exploration Company Ltd, and in 1959 by R.R. Kirwan, H. Regehr & E. Erickson, who transferred the claims to a new company, Ketzakey Silver Mine Ltd, in 1960. The property was optioned from 1964 to 1972 by Silver Key Mine Ltd, which entered a joint venture with Stump Mines Ltd in 1967 and explored with geochemical sampling, bulldozer trenching and 268.2 m of drifting on two levels in 1968-69 and added the Pex cl (89062) to the east in Feb/65. Silver Key was reorganized as Nordev Resources Ltd in Mar/72.

The occurrence was restaked as Camp cl 2 (Y94450) in Jul/72 by A.M. Riba, Regehr and Erickson, who performed bulldozing in 1974-75. Camp cl 2 appears to cover the underground workings. Various other Camp claim groups occur in the immediate area and it appears that the trio, used the claims to cover lapsing Key claims. In Mar/76 the men formed a new company, Iona Silver Mines Ltd, to develop the occurrence and surrounding showings. Iona explored with more bulldozer trenching in 1976 and 1977, 3 holes (160.3 m) in 1978 and a 24.4 m raise between the 800 and 700 levels in 1978-79.

In Aug/79, Agorex Gesellschaft zur Gewinnung von Bodenschätzen GmbH & Co obtained first right of refusal for production financing through an Iona option to TRV Minerals Corp, which retained a 5% net smelter interest. In 1980, the 800 level adit was advanced 73.2 m and a 20.4 m raise was driven from the 700 level to surface.

Iona optioned its claims to Canamax Resources Inc in 1985 and changed its name to Aigner Holdings Ltd in 1987. The claims were transferred back to Aigner Holdings in Dec/89.

In Mar/95 the occurrence was restaked as E cl 1-2 (YB59268) by R. Berdahl. Between July and Oct/95 Berdahl prospected and sampled various mineralized showings on the E claims. The work was part of a larger program carried out by Berdahl on various surrounding claim blocks.

Capsule Geology

The main vein, called Key 18B, is a complex, branching structure in thin bedded upper Cambrian to lower Ordovician argillaceous limestone, which was discovered with soil sampling in 1968. It strikes north and dips steeply east. Mineralization consists of galena, pyrite with minor tetrahedrite and sphalerite in a carbonate gangue. At least three other weaker showings occur within 609.6 m to the northwest. In Mar/69 Stump Mines and Silver Key Mines reported the vein hosted inferred resources of 9,072 tonnes grading 582.85 g/t Ag.

The 700 level adit, about 22.9 m below the surface exposure, developed 3.7 m of mineralization grading 692.6 g/t Ag and 12.4% Pb over a 1.7 m width, and the 800 level adit (30.5 m lower) developed 25 m of vein grading 493.7 g/t Ag over a width of 1.5 m. The bottom 7.6 m of the raise assayed 538.3 g/t Ag and 12.4% Pb across a 2.4 m width, while the upper 26 m of raise, at surface, averaged 353.13 g/t Ag and 1.4% Pb across 1.8 m.

In 1975 Nordev Resources released a pre-feasibility study which estimated reserves at 10,702 tonnes proven and possible, grading 545.3 g/t Ag and 12.1% Pb (a record search of the Energy Mines and Resources Library, Yukon Government failed to located the pre-feasibility study).

Berdahl collected 7 selective grab samples from tailings and waste piles located around the Ketzakey adit. The samples averaged over 1 g/t Au and Cu rich samples from the waste dump assayed up to 3,430 ppb Au, 1% Cu and 3,153 ppm Sb.

Work History

Date	Work Type	Comment
12/31/1995	Other	
12/31/1995	Other	
12/31/1980	Other	Advanced 800 level adit 73.15 m & drove a 20.42 m raise.
12/31/1979	Geology	
12/31/1979	Other	
12/31/1978	Drilling	3 holes, 160.3 m
12/31/1978	Geology	
12/31/1978	Other	
12/31/1977	Trenching	
12/31/1976	Trenching	
12/31/1975	Trenching	

12/31/1974	Trenching	
12/31/1969	Trenching	
12/31/1969	Other	
12/31/1969	Other	
12/31/1968	Trenching	
12/31/1968	Other	268.22 m of drifting on two levels.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
095900	2011	Ketza River Project, Report on 2011 Exploration Activities: Geophysical Results	Gravity Survey - Ground Geophysics		
093455	1995	General Prospecting Report on the Stew Project	Rock - Geochemistry, Soil - Geochemistry		
091871	1986	1986 Drilling Assessment Report	Diamond - Drilling	13	603.80
090650	1979	Trenching Report	Rock - Geochemistry, Backhoe - Trenching		
061651	1978	Summary Report	Data Compilation - Pre-existing Data		
091139	1977	[Drilling in Ketza River Area F-3 Showing]	Soil - Geochemistry		
061867	1977	A summary of Recommendations for Work on the Iona Silver Mines Property	Data Compilation - Pre-existing Data		
061144	1972	Preliminary Evaluation Report Ketza River Silver - Lead Project	Research/Summarize - Pre-existing Data		
060691	1969	A summary of Recommendations for Work on the Iona Silver Mines Property	Magnetic - Development, Underground, Bulk Sample - Lab Work/Physical Studies, Data Compilation - Pre-existing Data		
019899	1968	Progress Report	Drifting/Raising - Development, Underground, Rehabilitation - Development, Underground, Tunnelling - Development, Underground		
019897	1968	Progress Report	Drifting/Raising - Development, Underground, Rehabilitation - Development, Underground, Tunnelling - Development, Underground		
019900	1968	Report on the Ketza River Property, Yukon for Silver Key Mines Ltd. & Stump Mines Ltd.	Drifting/Raising - Development, Underground, Rehabilitation - Development, Underground, Tunnelling - Development, Underground, Soil - Geochemistry, Data Compilation - Pre-existing Data		
018889	1968	Final Report on 1968 Geochemical Exploration Program	Soil - Geochemistry		
019898	1968	Progress Report	Magnetic - Development, Underground, Soil - Geochemistry, Bulk Sample - Lab Work/Physical Studies		
019895	1967	Report on Ketza River Property, Yukon for Silver Key Mines Ltd. & Stump Mines Ltd.	Research/Summarize - Pre-existing Data		
018888	1966	Report on the Ketza River Property, Yukon for Silver Key Mines Ltd. and Stump Mines Ltd.	Rock - Geochemistry, Soil - Geochemistry, Hand - Trenching		
018893	1955	Ketza River Area, 1955 Field Season	Rock - Geochemistry, Bedrock Mapping - Geology, Backhoe - Trenching		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC014286	Plan of Ketzakey property - Whitehorse M.D. Yukon - Fig. 1		Property File Collection	Geoscience Map (General)
ARMC014287	Plan of Key 3A showing - Ketzakey Silver Mines - Whitehorse M.D. Yukon - Fig. 2		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC014307	Report on Ketza River area, Y.T. - Submitted to British Yukon Exploration Co.		Property File Collection	Report
ARMC014308	Report on Key group - Ketsa River, Yukon		Property File Collection	Report
ARMC013973	Report on property of Ketzakey Silver Mines - Quiet Lake area		Property File Collection	Report
ARMC014348	Memorandum by W..J. Rundle - Ketza River claims, Yukon Territory		Property File Collection	Miscellaneous Company Documents
ARMC014349	Summary report Ketsa River area with attached assay report		Property File Collection	Report
ARMC014350	Memos to P.W. Allen re: Ketza River area - Yukon Territory		Property File Collection	Miscellaneous Company Documents
ARMC014306	Silver-Lead deposits on Key and Strike mineral claims		Property File Collection	Report

Resource/Reserve

Year	Zone	Type	Commodity	Grade	Tonnage	Amount	Reported Amount	43-101 Compliant	Cut-off
1989	KETZAKEY - KEY 18B - TOTAL RESERVES (UNDERGROUND)	Historical Estimate	silver	545.1 g/t	10,702		No	No	Unknown
This was reported as Proven and Possible Reserves. Does not meet National Instrument 43-101 standards. Calculated from underground exploration and diamond drilling.Originally calculated by Nordev Resources Ltd. Other resource figures have been reported in various publications but this figure is the most commonly reported. See Yukon Gold-Silver File by Morin, also Yukon Geology Volume 1 p. 64.									
1989	KETZAKEY - KEY 18B - TOTAL RESERVES (UNDERGROUND)	Historical Estimate	lead	12.15 %	10,702		No	No	Unknown
This was reported as Proven and Possible Reserves. Does not meet National Instrument 43-101 standards. Calculated from underground exploration and diamond drilling. Originally calculated by Nordev Resources Ltd. Other resource figures have been reported in various publications but this figure is the most commonly reported. See Yukon Gold-Silver File by Morin, also Yukon Geology Volume 1 p. 64.									
1969	KETZAKEY - KEY 18B - TOTAL RESERVES (UNDERGROUND)	Historical Estimate	silver	582.85 g/t	9,072		No	No	Unknown
Reserve figure based on underground and surface exploration results. Reported as inferred resources. Does not meet National Instrument 43-101 standards.									