



Occurrence Details

Occurrence Number: 115J 017

Occurrence Name: Cockfield

Occurrence Type: Hard-rock

Status: Showing

Date printed: 4/29/2025 4:40:54 AM

General Information

Secondary Commodities: copper, molybdenum

Aliases: Co, Cofield, Dr, Iten, Kokup, Oke, Ray

Deposit Type(s): Porphyry Cu-Mo-Au

Location(s): 62°38'52" N - -138°29'22" W

NTS Mapsheet(s): 115J09

Location Comments: 1 Kilometres

Hand Samples Available: Yes

Last Reviewed:

Capsule

Work History

The northwest edge of the property was partially staked as Ray cl (97882) in Jan/66 by Nordex EL, which performed a geochem survey later in the year. Staked in Jul/69 as CO cl (Y35756) by Newmont on the northwest end, and as DR and Patsy cl (Y35652) in Jul/69 by Dawson Range JV (Straus E Inc, Martin Marietta Corp, Molybdenum Corp of America, Trojan Cons M, and Great Plains Dev C of Can L) on the southeast end. Both groups were explored with mapping and geochem surveys later in the year.

In 1970, the CO group was optioned by United Keno E (United Keno Hill ML, Falconbridge and Can Superior EL), which explored with geochem and IP surveys and 6 drill holes (1479.5 m) and prepared a topographic map from airphotos in 1972.

Restaked as Cofield cl (YA7532) in Aug/76 and as Kokup cl (YA22201) in Aug/79 by Archer, Cathro & Assoc Ltd and optioned in 1980 by Denison ML, which performed mapping and a geochem survey. Cominco tied on the Battle cl (YA48695) in Apr/80 and carried out mapping and a geochem survey.

Archer, Cathro added OKE & Hen cl (YA92164) in Jun/85 and sold the property to Nordac Mg Corp, which optioned it briefly to Gyro Energy & Mls Corp. Nordac, which conducted mapping and geochem sampling in 1986, became Big Creek Res L in 1987.

The Hud & Barr cl (Y49181) were tied on to the south and east in Jan/70 by London Pride Silver ML. Kerr Addison ML tied on KOE cl (YA78417) to the southeast in Sep/83 and explored with mapping and geochem sampling in 1984 and 1985, VLF-EM surveys and hand trenching in 1985 and 5 holes (443.6 m) in 1986.

Walhala Exploration Ltd staked Bat cl (YB35850) northwest of Mt Cockfield in May/91. Both Noranda and Placer Dome visited the property in Aug/91 and took silt, soil and rock samples. This work was compiled for Walhala by Aurum Geological Consultants Inc. in 1992. Galleon Mining Ltd purchased a 20% interest in Walhala's assets in Dec/91.

Capsule Geology

Disseminations and veinlets of pyrite, chalcopyrite and molybdenite occur in a complex intrusive and volcanic setting. The mineralization is best developed in and around a small weakly altered quartz monzonite stock which cuts Paleozoic Nisling Terrane schist and Triassic Klotassin granodiorite at the head of West Battle Creek. The 1970 drilling indicated a fairly uniform grade averaging about 0.03% Cu and 0.013% Mo.

Cominco outlined a number of Cu-Mo anomalies associated with the stock. Chalcadonic quartz veins and clay-sericite-pyrite alteration occur along a major northwest-trending fault. Float from the fault zone is highly anomalous in gold, silver, antimony and arsenic.

The 1986 soil sampling by Nordac returned scattered anomalous gold values as high as 305 ppb, while Kerr Addison's trenches along the northwest-trending fault zone produced a few high values from fault breccia and drusy or massive quartz veins containing arsenopyrite.

Aurum's 1992 compilation shows a strong 500 x 1000 m copper anomaly (>500 ppm Cu) approximately 1.5 km west of Mt Cockfield, and a Noranda rock sample from the same area contained 42 ppb Au, 1035 ppm Cu and 314 ppm Mo.

References

COMINCO LTD, Dec/80. Assessment Report #090792 by A. Denton.

DAWSON RANGE JOINT VENTURE, 1970. Assessment Report *#061373 by R.J. Cathro.

DAWSON RANGE JOINT VENTURE, 1970. Assessment Report *#061124 by D.D. Rand.

DENISON MINES LTD, Mar/81. Assessment Report *#090767 by R.J. Cathro.

GYRO EXPLORATION AND MINING CORP., Dec/85. Engineer's Report by J.M. Dawson.

KERR ADDISON MINES LTD, Oct/84. Assessment Report *#091568 by H. Copland and D. Arscott.

KERR ADDISON MINES LTD, Jan/86. Assessment Report *#091725 by D. Arscott.

MINERAL INDUSTRY REPORT 1969-70, p. 64-68.

NEWMONT MINING CORPORATION OF CANADA LTD, 1969. Assessment Report *#060215 by C.P. Costin and W. Dolan.

UNITED KENO HILL MINES LTD, 1970. Assessment Report *#091346 by I.D. and R.E.V.

WALHALA EXPLORATION LTD, Jan/93. Assessment Report #093064 by R.A. Doherty.

YUKON GEOLOGY AND EXPLORATION 1979-80, p. 265-266.

YUKON EXPLORATION AND GEOLOGY 1984 (Open File).

Work History

Date	Work Type	Comment
12/31/1986	Geology	
12/31/1986	Geochemistry	
12/31/1980	Geology	
12/31/1980	Geochemistry	
12/31/1972	Drilling	Six holes, 1,397 m.
12/31/1972	Geochemistry	
12/31/1972	Ground Geophysics	
12/31/1969	Geology	
12/31/1969	Geochemistry	
12/31/1966	Geochemistry	
12/13/1991	Geochemistry	Also rock and silt sampling.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
093064	1992	Geological and Geochemical Assessment Report on the Battle Mountain Property	Historical Drill Core - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other, Data Compilation - Pre-existing Data		
091924	1986	Report on Geochemical Survey-Mt. Cockfield Property-Mt. Cockfield, Y.T.	Rock - Geochemistry, Soil - Geochemistry, Prospecting - Other		
090767	1980	Report on Geology and Geochemistry-Kokup 1-24 Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
061124	1972	Photogrammetric Mapping-Dr and Patsy Claims	Photogrammetry - Remote Sensing		
061373	1970	Geological Mapping and Geochemical Sampling-Dr 1-64 and Patsy 1-8-Mt Cockfield Area	Silt - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Prospecting - Other		
091346	1970	1970 Diamond Drill Statistics-Mount Cockfield	Diamond - Drilling, Drill Core - Geochemistry	6	1397.20
060215	1969	Geophysical and Geochemical Reports on the CO Claim Group	Silt - Geochemistry, Soil - Geochemistry, Magnetism - Ground Geophysics		

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC004700	1986 program report on the Koe claims		Property File Collection	Report
ARMC016555	Photo interpretation map of geology with coloured sections - 115J/9 - Selwyn River		Property File Collection	Geoscience Map (Geological - Bedrock)
ARMC016554	Photo interpretation map showing claims - 115J/9 - Selwyn River		Property File Collection	Geoscience Map (General)
ARMC016556	Geology map - 115J/9 - Selwyn River		Property File Collection	Geoscience Map (Geological - Bedrock)

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
YK-86-01	Cockfield	1986	BQ	0	3
YK-86-02	Cockfield	1986	BQ	0	2
YK-86-03	Cockfield	1986	BQ	10	2
YK-86-04	Cockfield	1986	BQ	8	2
YK-86-05	Cockfield	1986	BQ	4	2