



## Occurrence Details

**Occurrence Number:** 106D 011

**Occurrence Name:** Clark

**Occurrence Type:** Hard-rock

**Status:** Deposit

**Date printed:** 8/5/2025 2:23:33 PM

## General Information

**Primary Commodities:** lead, silver, zinc

**Secondary Commodities:** copper

**Deposit Type(s):** Manto Polymetallic Ag-Pb-Zn

**Location(s):** 64°7'1" N - 134°57'24" W

**NTS Mapsheet(s):** 106D02

**Location Comments:** .5 Kilometres

**Hand Samples Available:** No

**Last Reviewed:**

### Capsule

#### Work History

In 1964 the Geological Survey of Canada (GSC) carried out reconnaissance geochemical stream sediment sampling of this area as part of a larger survey encompassing the Keno Hill area. The results of this work were subsequently published as a series of 14 preliminary maps.

Followup of the results of the 1964 GSC sampling prompted the staking of Clark cl 1-4 (Y6933) in Sep/67 by L. Elliott. Elliott staked Priority cl 1-64 (Y14570) to the south in Apr/68 and carried out prospecting, soil sampling, road construction, bulldozer stripping and trenching from 1968-69. During this period Elliot staked Clark cl 5-33 (Y26564) in Jul/68 and Clark cl 34-38 (Y26593) in Jul/69.

The property was purchased by Bullion Mountain Mining Ltd in Jul/70, which carried out soil geochemical sampling, geological mapping, drilled 11 Winkie holes (163.7 m) during August and Sep/70; staked Clark cl 39-86 (Y33527) in Sep/70; soil geochemical sampling, geological mapping, gravity surveying, winter tote road construction, bulldozer trenching, drilled 23 Winkie holes (395.9 m) and 9 NQ and BQ drill holes (477.3 m) in 1971; and staked Judy cl 1-16 (Y55846) in Apr/71; Randy cl 1-8, George cl 1-2 and Spec cl 1-8 (Y56233) in Oct/71; Quest cl 1-14 and 33-175 (Y57367) in Feb/72

Extensive fringe staking occurred from February to May/72, including A cl (Y56522) by Eagle River Mines Ltd and Consolidated Standard Mines Ltd; Lobo cl (Y57124) by Avino Mines and Resource Ltd; B and Main cl (Y57084) by Yukon Gold Placers Ltd; Yal and NWS cl (Y57799) by Galveston Mines Ltd; Lan, etc cl (Y57926) by Celburn Development Ltd; Lake cl (Y68163) by Komo Exploration Ltd; and Pacific cl (Y68095) by British Pacific Exploration Ltd.

Scurry-Rainbow Oil Ltd optioned the property in 1972 and carried out geological mapping, bulldozer trenching, I.P. and gravity surveying and drilled 45 NQ holes (5 704.2 m) later that year. In 1973-74 in a joint venture with Bullion Mountain, the company carried out geological mapping, road building, trenching, 455 m of crosscutting and drifting 100 m below the surface at the 1 006 m (3 300 ft) elevation and drilled 7 underground holes (333.1 m) before dropping the option.

Bullion Mountain changed its name to Northern Bullion (Keno) Ltd in 1976 and to Jubilee Exploration Ltd in 1978.

The showing was partially restaked as Ess cl 1-8 (YA77444) in Jan/84 by Van Bibber Placer Development Ltd, while Bullion Mountain transferred the remaining Clark claims to W. Ramage in 1985.

In May/87 the property was optioned by NDU Resources Ltd which immediately staked Lark cl 1-44 (YA83452) to surround the deposit on three sides. Later in the year NDU carried out geological mapping, geochemical sampling and drilled 6 holes (448.2 m) before staking Lark cl 43-113 (YA83566) to the south in Aug/87. NDU drilled another 3 holes (256.3 m) in 1988 before dropping the option.

In Feb/89, a 50% interest in the Clark & Ess claims was transferred to Van Bibber Placer Development Corporation and the other 50% to Score-Town Holding Ltd.

Restaked as Clark cl 1-36 (YB98252) in Sep/97 by Manson Creek Resources Ltd, which carried out airphoto surveying and a single day of prospecting in 1998.

The adit and underground workings were restaked as Clark cl 1-2 (YC10419) in Jun/2002 by W. Carrell.

#### Capsule Geology

The showing occurs in a 45 to 170 m wide bed of brecciated limestone in a sequence of schist, quartzite and phyllite of the Upper Proterozoic to Lower Cambrian Hyland Group. Bedding strikes east and dips moderately to the south. Mineralization forms a NNE-trending, steeply east-dipping feeder vein and an irregular manto that has replaced a graphitic horizon within the limestone. The feeder vein has been traced for 200 m along strike and 125 m downdip. It is between 2.5 and 10 m wide and has produced intersections up to 871.3 g/t silver, 16.2% lead and 5.1% zinc over 4 m. The manto is only developed on the east side of the feeder vein and has been traced for 120 m along strike and 60 m downdip. It is up to 5 m thick and has produced assays up to 740.7 g/t silver, 17.4% lead and 4.7% zinc over 1.5 m.

Both types of mineralization are strongly oxidized to the depth that has been explored, and consist of galena with rare sphalerite, pyrite and chalcopyrite in a gangue of siderite ± quartz. Indicated and inferred reserves were reportedly calculated by L.S. Trenholme in 1975 for Bullion Mountain at 327 373 tonnes grading 5.64% lead, 4.60% zinc and 254.79 g/t silver.

The 1987 drilling confirmed the earlier results and five of the six holes intersected significant mineralization in the manto horizon, with weighted average values of 273 g/t silver, 6.51% lead and 9.30% zinc across 1.8 m. The 1988 drilling failed to encounter any significant extensions of the known manto mineralization, but did encounter a number of weakly mineralized intervals interpreted to be a feeder zone. The best assay was 76 g/t silver, 2.06% lead and 3.84% zinc across 1.5 m.

Manson Creek's 1998 prospecting served to confirm the presence of high grade Ag-Pb-Zn mineralization at the Clark showing.

#### References

BULLION MOUNTAIN MINING LTD, Mar/71. Assessment Report #060945 by D.C. Malcolm.

BULLION MOUNTAIN MINING LTD, Jan/72. Assessment Report #060946 by D.C. Malcolm.

BULLION MOUNTAIN MINING LTD, Sep/72. Assessment Report #062020 by D.C. Malcolm.

BULLION MOUNTAIN MINING LTD, Oct/72. Assessment Report #091303 by G. Schwarz.

BULLION MOUNTAIN MINING LTD, May/74. Assessment Report #062022 by D.W. Tully.

GEOLOGICAL SURVEY OF CANADA Map 27-1964, 28-1964, 45-1965, 46-1965, 47-1965, 48-1965, 49-1965, 50-1965, 51-1965, 52-1965, 53-1965, 54-1965, 55-1965, 56-1965.

GORDEY, S.P. and MAKEPEACE, A.J., 2003. Yukon Digital Geology, version 2.0, S.P. Gordey and A.J. Makepeace (comp); Geological Survey of Canada, Open File 1749 and Yukon

Geological Survey, Open File 2003-9(D).

MANSON CREEK RESOURCES LTD, Mar/99. Assessment Report #093987 by J. Eaton.

MINERAL INDUSTRY REPORT 1969-70, p. 19-20; 1971, p.31; 1973, p.15-16.

MORIN, J.A., 1989. Yukon Gold-Silver File. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada, Open File 1989-3.

NDU RESOURCES LTD, Mar/88. Assessment Report #092121 by W.D. Eaton.

NDU RESOURCES LTD, Dec/88. Assessment Report #092669 by R.J. Cathro.

NORTHERN MINER, 5 Aug/76.

SCURRY-RAINBOW OIL LTD, Mar/73. Assessment Report \*#019879 by D.C. Malcolm.

SCURRY-RAINBOW OIL LTD, Mar/73. Assessment Report #019880 by T.R. Gallant.

SCURRY-RAINBOW OIL LTD, Mar/73. Assessment Report #019881 by T.R. Gallant.

SCURRY-RAINBOW OIL LTD, Mar/73. Assessment Report #019882 by T.R. Gallant.

SCURRY-RAINBOW OIL LTD, Mar/73. Assessment Report #019883 by G. Schwarz.

SCURRY-RAINBOW OIL LTD, Mar/73. Assessment Report \*#019884 by D.C. Malcolm.

SCURRY-RAINBOW OIL LTD, Apr/73. Assessment Report #019885 by M.J. Lewis and P.J. Fominoff.

SCURRY-RAINBOW OIL LTD, Sep/73. Assessment Report #091307 by T.R. Gallant.

YUKON EXPLORATION 1984, p.158; 1988, p. 146, 149.

### Work History

Date	Work Type	Comment
12/31/1998	Pre-existing Data	
12/31/1988	Drilling	Three holes, 256.3 m.
12/31/1987	Drilling	Six holes, 448.2 m.
12/31/1987	Geology	
12/31/1987	Geochemistry	
12/31/1974	Drilling	Seven holes, 333.1 m.
12/31/1974	Geology	
12/31/1974	Development, Underground	
12/31/1974	Trenching	
12/31/1973	Geology	Carried out between 1973 and 1974.
12/31/1973	Trenching	Carried out between 1973 and 1974.
12/31/1972	Drilling	Forty-five holes, 5,704.2 m.
12/31/1972	Geology	
12/31/1972	Ground Geophysics	Also gravity survey.
12/31/1972	Trenching	
12/31/1971	Ground Geophysics	
12/31/1971	Drilling	Thirty-two holes, 873.2 m. Drilling consisted of 23 Winkie holes (395.9 m) and 9 NQ and BQ holes (477.3 m).
12/31/1971	Geology	
12/31/1971	Geochemistry	
12/31/1971	Trenching	
12/31/1970	Drilling	Eleven holes, 163.7 m.
12/31/1970	Geology	
12/31/1970	Geochemistry	
12/31/1969	Geochemistry	

12/31/1969	Trenching	
12/31/1969	Other	
12/31/1969	Development, Surface	
12/31/1968	Geochemistry	
12/31/1968	Trenching	
12/31/1968	Other	
12/31/1968	Development, Surface	
12/31/1964	Geochemistry	Regional reconnaissance sampling by Geological Survey of Canada.

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">096732</a>	2014	Assessment Report Describing Metallurgical Test Pits, Metallurgical Auger Drilling, Geotechnical Auger Drilling, Geotechnical Study, Environmental Baseline Studies, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Auger - Drilling, Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Geotechnical - Studies, Heritage/Archeological - Studies	9	96.77
<a href="#">096607</a>	2012	Assessment Report Describing Metallurgical Testing, Wildlife Monitoring, Heritage Evaluation, and Water Quality and Climate Monitoring Surveys	Water - Geochemistry, Metallurgical Tests - Lab Work/Physical Studies, Environmental Assessment/Impact - Studies, Heritage/Archeological - Studies		
<a href="#">094769</a>	2004	Prospecting and Geochemical Report on the Clark/Cameron Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Prospecting - Other		
<a href="#">093987</a>	1998	Digital Topography, Landsat, and Colour Air Photo Survey over the Clark Claims]	Orthophoto - Airphotography, Rock - Geochemistry, Landsat - Remote Sensing		
<a href="#">062022</a>	1974	Report on the Clarke Claim Group and the Paul Claim Group, Scougale Creek - Keno Hill Area	Prospecting - Other, Research/Summarize - Pre-existing Data		
<a href="#">019882</a>	1973	Bullion Mountain Level Plans, Elevation 3,000' - 3,350'	Detailed Surficial Mapping - Geology		
<a href="#">019883</a>	1973	Bullion Mountain Vertical Sections 2W-6E	Bedrock Mapping - Geology		
<a href="#">019884</a>	1972	Bullion Mountain Mining Co, Ltd., Clark Claims	Diamond - Drilling, Bedrock Mapping - Geology		
<a href="#">060946</a>	1971	Report on Clark Claims	Diamond - Drilling, Drill Core - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Mechanical - Trenching	20	758
<a href="#">060945</a>	1970	[Trenching, Geochemical, and Diamond Drilling Assessment on the Clark 1-86 Property]	Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Line Cutting - Other, Prospecting - Other, Mechanical - Trenching	11	163.70
<a href="#">062020</a>	1970	[Trenching, Geochemical, and Diamond Drilling Assessment on the Clark 1-86 Property]	Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Bedrock Mapping - Geology, Mechanical - Trenching	8	457.20

## Related References

Number	Title	Page(s)	Reference Type	Document Type
<a href="#">ARMC014774</a>	Report on mining properties - Keno Hill Area - Yukon Territory - Includes gravity interpretation report for Clark Hill area		Property File Collection	Report
<a href="#">ARMC020120</a>	Location map - July 1988 - Yukon properties - NDU Resources Ltd.		Property File Collection	Geoscience Map (General)
<a href="#">ARMC020124</a>	News release - Assay results of drilling on Marg property and location map of Mayo M.D. properties		Property File Collection	News Release
<a href="#">ARMC014775</a>	Correspondence re: Bullion Mountain Mining Ltd.		Property File Collection	Miscellaneous Company Documents

## Resource/Reserve

Year	Zone	Type	Commodity	Grade	Tonnage	Amount	Reported Amount	43-101 Compliant	Cut-off
1975	CLARK - TOTAL (UNDERGROUND)	Historical Estimate	zinc	4.6 %	327,373		No	No	Unknown
Reported as Indicated and inferred. These figures are not National Instrument 43-101 compliant. Reported for historical purposes only.; Figures were calculated by L.S. Trenholme in 1975 for a private Bullion Mountain mining report. Repeated in Assessment Report # 092121 by D. Eaton p. 11.									
1975	CLARK - TOTAL (UNDERGROUND)	Historical Estimate	silver	254.79 g/t	327,373		No	No	Unknown
Reported as Indicated and inferred. These figures are not National Instrument 43-101 compliant. Reported for historical purposes only.; Figures were calculated by L.S. Trenholme in 1975 for a private Bullion Mountain mining report. Repeated in Assessment Report # 092121 by D. Eaton p. 11.									
1975	CLARK - TOTAL (UNDERGROUND)	Historical Estimate	lead	5.64 %	327,373		No	No	Unknown
Reported as Indicated and inferred. These figures are not National Instrument 43-101 compliant. Reported for historical purposes only.; Figures were calculated by L.S. Trenholme in 1975 for a private Bullion Mountain mining report. Repeated in Assessment Report # 092121 by D. Eaton p. 11.									