



## Occurrence Details

**Occurrence Number:** 115P 013

**Occurrence Name:** Pukelman

**Occurrence Type:** Hard-rock

**Status:** Prospect

**Date printed:** 12/16/2025 7:47:46 AM

## General Information

**Secondary Commodities:** gold

**Deposit Type(s):** Plutonic Related Au

**Location(s):** 63°52'2" N - -137°3'43" W

**NTS Mapsheet(s):** 115P14

**Location Comments:** .5 Kilometres

**Hand Samples Available:** No

**Last Reviewed:**

### Capsule

#### Work History

Discovered by Canada Tungsten Mining Corporation Ltd in 1969 and staked as the Pukelman cl (Y65043) in Jul/71 in a joint venture with Standard Oil Company of BC Ltd. The showing was mapped and grid sampled later in the year.

The southwest side was restaked as Rain cl 1-30 (YA31503) in Aug/78 by A. Thom and the southeast side was restaked as Bee cl 1-16 (YA31794) in Sep/78 by D. Hutton. Canada Tungsten optioned the Rain (Minfile Occurrence #115P 012) and Bee groups, staked a large block of 852 CC cl (YA53321) between Sep/80 and Aug/81 to surround the occurrence and carried out property wide geological mapping and geochemical sampling of this area in 1981 before dropping the option on the Rain and Bee groups.

Restaked as Rum cl 1-90 (YA88956) in Apr/87 by R. Robertson & K. McCrory and optioned to M.E. Compu Software Inc which later changed its name to Gold Rite Mining Corporation. Gold Rite carried out soil geochemical sampling and limited prospecting in 1987 and staked 162 Rye cl (YB05624) to the east and north and Roll cl 1-48 (YB17773) further to the east in June and Sep/88 and carried out geochemical sampling, VLF-EM and magnetometer surveying, trenching and drilled 8 holes (1 236.6 m) in 1988 before dropping the option in the fall of 1990.

Noranda Exploration Company Ltd conducted two property examinations in 1990 and optioned the property in Feb/91. Noranda carried out machine trenching, geochemical sampling, magnetometer and IP surveying and road building during 1991. Noranda carried out reverse circulation drilling of 6 holes (644 m) in 1992 before dropping the option.

In Jan/92 Ivanhoe Goldfields Ltd restaked the northwestern Rye claims as Dum cl 1-34 (YB40487) and in late 1992 Ivanhoe optioned all of the Clear Creek claims including the Rye, Rum and Dum claims and carried out contour soil geochemical sampling across the claim block in Aug/93. In 1994, Ivanhoe was acquired by First Dynasty Mines Ltd.

In Jun/95 Kennecott Canada Inc optioned the Clear Creek area claims and carried out a large exploration program including reverse circulation drilling on the Rhosgobel stock to the south (Minfile Occurrenc #115P 012) and soil sampling, geological mapping, trenching and road building throughout the claim block. In Nov/95 Kennecott dropped its option.

New Millennium Mining Ltd, a wholly owned subsidiary of First Dynasty, took over as operator of the Clear Creek project in May/97 and carried out machine trenching 3 km to the north-northwest and soil geochemical sampling 4.5 km west-northwest of this occurrence location later in the year.

In 1998 Newmont Exploration Ltd acquired an option from New Millennium on the CC, Dum, Rain, Rum, Rye, Sleet, Wet and Wind claims, forming a contiguous block with the BZ cl 1-79 (YB94420), 7.5 km to the northwest, and Jo cl 1-70 (YB94499), 7.5 km to the northeast, which Newmont had staked in Aug/96. The company carried out geochemical rock and soil sampling and geological mapping across the northern third and the south-central part of the claim block in Jul/98. This was followed by airborne magnetic and radiometric geophysical surveying of the entire claim block and surrounding area in Aug/98.

In 1999 Redstar Resources Corporation entered an option agreement with Newmont to acquire an interest in their Clear Creek claim holdings. During June and Jul/99 Redstar carried out geological mapping and geochemical rock and soil sampling surrounding this occurrence and in the south-central and eastern portions of the Clear Creek claim group. Redstar drilled 2 holes (219.2 m) in Nov/99 and 9 holes (1 211 m) the following year on Sleet cl 18 and 20 (YB04273) 5 km to the southwest (Minfile Occurrence #115P 023). The company also carried out geochemical sampling in the western part of the claim group in 2000 and prospecting and geochemical rock sampling south of the Saddle Zone (approximately 2 km west of this occurrence location) in 2001. Redstar terminated its option agreement on the Clear Creek property in 2002.

First Dynasty changed its name to Sterlite Gold Ltd in Jul/2002.

In Oct/2004, StrataGold Corporation entered into a binding agreement to acquire all of Sterlite's interest in the Clear Creek property. The agreement is subject to a satisfactory due diligence review by StrataGold and receipt of all required regulatory approvals.

#### Capsule Geology

Sheeted quartz-K feldspar veins containing scheelite, molybdenite and pyrite occur within a mid-Cretaceous stock of biotite-hornblende granite which intrudes metasedimentary rocks of the Late Proterozoic-Early Cambrian Hyland Group. The best developed vein system underlies an area about 150 x 150 m and grades less than 0.05% WO<sub>3</sub>. Some scheelite is also disseminated within the intrusion. Gold-bearing arsenopyrite, galena and scheelite occur in sheeted quartz veins and argillically altered stockwork zones peripheral to the stock. Specimens of vein material assay up to 45.0 g/t Au and 227.7 g/t Ag. Sampling along the ridge west of the occurrence in 2001, returned anomalous Au values (up to 470 ppb) from silicified and hornfelsed phyllite. Quartz breccia float containing disseminated pyrrhotite and collected in the upper part of the Clear Creek drainage, 3.2 km west of this occurrence location, returned 1 480 ppb Au with 752 ppm As.

The 1988 soil survey outlined two parallel, east-west anomalies (400 x 300 m and 300 x 200 m) with values over 500 ppb Au and as high as 4 220 ppb Au. Quartz porphyry float from the main (Saddle) zone contained pyrite and arsenopyrite and returned assays as high as 4 290 ppb Au. A large irregular-shaped anomaly on the southeast corner of the Pukelman grid is called the Contact zone. In the Contact zone, quartz-arsenopyrite float containing between 8.9 and 194.5 ppb Au was found near the intersection of a northeast-trending fault and a quartz porphyry dyke.

Goldrite's trench #3 tested a 3 780 ppb Au soil anomaly on the Contact zone, and exposed a fault zone and dyke striking 060°. A 1.0 m chip sample of manganese-stained quartzite with quartz-arsenopyrite veins contained 8740 ppb Au. Trench #5 tested a 3 357 ppb Au soil anomaly and returned values of 916 and 840 ppb Au across 1.0 m of oxidized sericite schist.

Trench #6 tested a 1 626 ppb Au soil anomaly. Narrow quartz-arsenopyrite veins assayed up to 60.0 g/t Au. A 0.55 m chip sample of clay-altered biotite-feldspar porphyry contained 5 100 ppb Au.

The 1988 drillholes tested the Contact zone soil anomaly over a strike length of 250 m. Each hole intersected the same northeast-trending fault marked by limonite and gouge, and associated with bleaching, argillization, sericitization and silicification of the porphyry and metasedimentary wall rocks. Narrow stringers of quartz, arsenopyrite and pyrite occur in the fault zone, and arsenopyrite and pyrite are disseminated in the dyke. Intersections from the fault zone assayed up to 2.19 g/t Au over 3.55 m and 4.68 g/t Au over 1.80 m, with values as high as 8.60 g/t Au over 1.1 m in the immediate hanging wall. At the east end of the Contact zone, a quartz-arsenopyrite vein in the footwall assayed 1.01 g/t Au over 4.3 m.

Kennecott carried out geological mapping around the Eiger stock, located 1.5 km north of the Pukelman stock. A float sample of rusty quartz monzonite dyke containing minor quartz veining collected between the Eiger and Saddle stocks returned 355 ppb Au. The bulk of exploration work carried out in 1995 was carried out on other Minfile occurrences located within the Clear Creek claim group.

Soil sampling by New Millennium returned background levels for most elements with a few slightly elevated results for Au, As and Sb, while trenching revealed quartz monzonite and quartz monzonite dykes cutting finely laminated quartzites. Numerous anomalous values between 200 and 2 600 ppb Au were returned from sampling of Trench 97-4.

Newmont's sampling confirmed anomalous gold values reported by previous operators and outlined existing areas of anomalous gold and arsenic geochemistry. Magnetic data from the

airborne survey defined dominant structural trends in the area and partially outlined some of the intrusive stocks in the area. Radiometric data suggests that the Pukelman, Saddle, Eiger and Josephine (Minfile Occurrence #115P 011) stocks are part of a single intrusive body. Soil sampling by Redstar evaluated the eastern strike potential of the gold and arsenic soil geochemistry anomaly (Contact zone) in this area and extended it 1 km further to the east. Significant values for Au, together with moderately anomalous Sb and Bi values were returned.

References

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Work History

Date	Work Type	Comment
12/31/2001	Geochemistry	
12/31/1999	Geology	

12/31/1999	Geochemistry	Also rock sampling.
12/31/1998	Airborne Geophysics	Also magnetic survey.
12/31/1995	Geology	
12/31/1995	Geochemistry	
12/31/1995	Trenching	
12/31/1995	Development, Surface	
12/31/1993	Geochemistry	Contour sampling property wide.
12/31/1992	Drilling	Eight holes, 644 m.
12/31/1991	Geochemistry	
12/31/1991	Ground Geophysics	Also IP survey.
12/31/1991	Development, Surface	
12/31/1991	Trenching	
12/31/1988	Geochemistry	Also heavy mineral sampling.
12/31/1988	Drilling	Eight holes, 1,236.56 m.
12/31/1988	Geochemistry	
12/31/1988	Ground Geophysics	Also VLF-EM surveys.
12/31/1988	Trenching	8 trenches, 5 reached bedrock.
12/31/1987	Geochemistry	
12/31/1987	Other	
12/31/1981	Geology	
12/31/1981	Geochemistry	
12/31/1969	Geology	
12/31/1969	Geochemistry	
12/31/1969	Geochemistry	

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">097169</a>	2017	Assessment Report on the Clear Creek Claims 2017 Remote Sensing Programs	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, LIDAR - Remote Sensing		
<a href="#">096886</a>	2015	Assessment Report on the Clear Creek Claims Geological and Geochemical Exploration Program-2015	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Process/Interpret - Pre-existing Data		
<a href="#">095984</a>	2011	Assessment Report, 2011 Exploration Program, Clear Creek Property	Diamond - Drilling, Diamond - Drilling, Drill Core - Geochemistry, Drill Core - Geochemistry, Soil - Geochemistry, Soil - Geochemistry	36	7258.80
<a href="#">095539</a>	2010	Assessment Report, 2010 Diamond Drilling Program, Clear Creek Property	Diamond - Drilling, Reverse Circulation - Drilling	42	3642.60
<a href="#">095152</a>	2009	Prospecting Report On The Mary 1-47 And Ellen 1-8 Claims	Rock - Geochemistry, Prospecting - Other		
<a href="#">095031</a>	2004	2004 Clear Creek Property-Orthophoto Acquisition and Satellite Imagery Report	Orthophoto - Airphotography, Landsat - Remote Sensing		
<a href="#">094058</a>	1999	1999 Geochemical and Diamond Drilling Assessment Report on the Clear Creek Property	Diamond - Drilling, Rock - Geochemistry, Soil - Geochemistry, Line Cutting - Other	2	219.15
<a href="#">093937</a>	1998	Geophysical, Geological and Geochemical Assessment Report on the Clear Creek Property	Gamma-Ray Spectrometry - Airborne Geophysics, Magnetic - Airborne Geophysics, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Line Cutting - Other		
<a href="#">093097</a>	1992	Clear Creek Project, 1992, Reverse Circulation Drill Program	Reverse Circulation - Drilling	6	644
<a href="#">092984</a>	1991	Trenching and Sampling Report on the Rum 1-90, Rye 1-41, 43, 45, 47, 49, 51, 54, 56 and Rye 61-62, 75-84 Claims	Rock - Geochemistry, Soil - Geochemistry, Mechanical - Trenching		
<a href="#">093011</a>	1991	Trenching and Sampling Report on the Rum 1-90, Rye 1-41, 43, 45, 47, 49, 51, 54, 56 and Rye 61-62, 75-84 Claims	All Weather Road - Development, Surface, Rock - Geochemistry, Soil - Geochemistry, IP - Ground Geophysics, Magnetics - Ground Geophysics, Mechanical - Trenching		
<a href="#">092748</a>	1988	Geological, Geochemical, Geophysical and Diamond Drilling, 1988 Summary Report on the Rum, Rye & Roll Claims	Diamond - Drilling, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, Magnetics - Ground Geophysics, Mechanical - Trenching	8	1236.50
<a href="#">062291</a>	1987	Evaluation Report on the Rum 1-90 Claims	Data Compilation - Pre-existing Data, Research/Summarize - Pre-existing Data		

<a href="#">092146</a>	1987	Assessment Summary: Geochemical and Prospecting Surveys Rum Quartz Claims	Soil - Geochemistry, Prospecting - Other		
<a href="#">090926</a>	1981	Geological and Geochemical Assessment Report on the C.C. 1-860 (Fractions included), SLUGGO 1-20, Rain 1-30 and BEE 1-14 Claim Groups	Muck - Geochemistry, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Regional Bedrock Mapping - Geology, Line Cutting - Other, Prospecting - Other		

Related References				
Number	Title	Page(s)	Reference Type	Document Type
<a href="#">ARMC016643</a>	Geology map with legend -115P/14 - Clear Creek		Property File Collection	Geoscience Map (Geological - Bedrock)
<a href="#">ARMC016642</a>	Geochemistry map - 115P/14 - Clear Creek		Property File Collection	Geochemical Map