



Occurrence Details

Occurrence Number: 105D 033

Occurrence Name: Mt. Stevens

Occurrence Type: Hard-rock

Status: Prospect

Date printed: 12/16/2025 6:14:17 PM

General Information

Secondary Commodities: copper, gold, lead, silver, zinc

Aliases: Hawk Eye, Hidden Ore, Midnight

Deposit Type(s): Vein Au-Quartz

Location(s): 60°12'52" N - -134°59'30" W

NTS Mapsheet(s): 105D02

Location Comments: .5 Kilometres

Hand Samples Available: No

Last Reviewed:

Capsule

Work History

The first claims were staked in 1906 by G. Stevens, M. Gilliam, O. Dickson (Acme cl) and C.E. Burnside (Hawk Eye group), who explored with 3 short adits and a number of trenches. Restaked about 1920 as the Midnight group (18891) by M. Watson and E. Johnson, and Gladys, Sarah J claims (18907) by T. Brooks, who did more drifting and trenching until 1940. Brooks and Watson restaked the Acme claims farther uphill near the ridge crest as the Hidden Ore group (19082) about 1933 and trenched until 1940. In the fall of 1939, the property was optioned by J.B. White of Spokane. Restaked as MO cl(4589) and Cub cl (56208) in 1947 by P.M. Lander, who did only minor work. Restaked as Minite cl (85059) in Apr/63 by F. Merryth; as Brooks cl (Y10065) in Aug/66 by G. Simmons and W. Phelps; as EB cl (Y78480) in Apr/74 by C. Bernier; as Ram cl (YA22403) in Mar/78 by G. Sherman. Island Mg & EL tied on JL cl (YA59033) to the east in Oct/80 and performed mapping and sampling in 1981. Restaked as Ton cl (YA78181) in Aug/83 by Can Nickel (Inco), which performed mapping and geochem sampling later in the year and optioned the property to Island Mg & ECL. Island performed more mapping and geochem sampling in 1985 and drilled 5 holes (411.4 m) in 1986, and 4 holes (453.8 m) on claims JL 17 & 18 and 4 holes (335.3 m) on claim Ton 10 in 1987.

Capsule Geology

A large quartz lens 30 m long and 9 m wide carrying a little galena and pyrite was found on the Acme claims, on top of Mt Stevens. All other showings are on the east slope of the mountain. Two quartz veins 0.6 and 1.1 m wide were found on the Hawk Eye claims. These veins contained disseminated galena and chalcopyrite. Later work on the Midnight group showed that mineralization is related to altered granite porphyry dykes 7.6 to 15 m wide, which cut altered volcanic rocks. Early government reports indicated that these dykes are highly sericitized and seamed by myriad quartz veinlets which locally contain native gold, pyrite and galena. Gold values are restricted to sulphide zones, which in turn are localized along cross-fractures cutting the dykes. On the Hidden Ore claims near the granodiorite contact, the dykes were reportedly so fractured and altered that they resembled breccias cemented by quartz veins 0.6 to 5 cm wide. Native gold, galena, pyrite and minor sphalerite and chalcopyrite were present in the quartz. A surface examination in 1972 failed to substantiate previous descriptions although limonite-stained quartz veins are present. Pyrite and galena-rich samples of quartz assayed less than 0.34 g/t Ag and 0.07 g/t Au. Soil sampling returned only background metal values. Work in 1985-87 located three types of mineralization on the east slope of Mt Stevens and the headwaters of Stevens Creek: (1) gold-silver bearing quartz veins in rhyolite dykes; (2) galena-bearing quartz veins with gold and silver values in quartz diorite; and (3) galena-sphalerite-pyrite fracture fillings in quartz diorite. Results were generally disappointing, with the highest values coming from a specimen of galena-bearing quartz float that assayed 486 g/t Ag, 22 g/t Au and 1% Pb, and a thin quartz vein cutting a rhyolite dyke in a drill hole, which assayed 4 g/t Ag and 11.5 g/t Au over 46 cm.

References

CANADIAN NICKEL COMPANY LTD, Jul/84. Assessment Report *#091548 by W. Manson.

CREAM SILVER MINES LTD, 1974. Assessment Report *#061148 by H.J. Toohey.

GEOLOGICAL SURVEY OF CANADA Memoir 31, p. 106; Memoir 220, p.173; Memoir 312, p. 121-122.

GEOLOGICAL SURVEY OF CANADA Summary Report 1909, p. 52-53; Summary Report 1922, p. 6-7.

ISLAND MINING AND EXPLORATION COMPANY LTD, 1981. Assessment Report *#090894 by F. Holcapek.

ISLAND MINING AND EXPLORATION COMPANY LTD, Apr/86. Assessment Report *#091844 by C.G. Verley.

ISLAND MINING AND EXPLORATION COMPANY LTD, Jun/86. Assessment Report *#091841 by C.G. Verley.

ISLAND MINING AND EXPLORATION COMPANY LTD and CANADIAN NICKEL COMPANY LTD, Oct/86. Assessment Report *#091910 by T. Garagan.

ISLAND MINING AND EXPLORATION COMPANY LTD, Nov/86. Assessment Report *#091874 by T. Garagan.

ISLAND MINING AND EXPLORATION COMPANY LTD, Feb/87. Assessment Report #093087 by A. Montgomery.

ISLAND MINING AND EXPLORATION COMPANY LTD, Dec/87. Assessment Report *#091991 by A. Montgomery.

ISLAND MINING AND EXPLORATION COMPANY LTD, May/88. Assessment Report *#092144 by A. Montgomery.

WESTERN MINER, Dec/47, p. 35.

YUKON EXPLORATION 1985-86, p. 165-166.

YUKON EXPLORATION AND GEOLOGY 1981, p. 115; 1982, p. 115-116; 1983, p. 160-161; 1984, p. 70.

Work History

Date	Work Type	Comment
12/31/1987	Drilling	Number of holes drilled: 8 Amount of work done: 789.1 METRES
12/31/1986	Drilling	Number of holes drilled: 5 Amount of work done: 411.5 METRES
12/31/1985	Geology	
12/31/1985	Other	
12/31/1983	Geology	
12/31/1983	Other	
12/31/1940	Other	Work carried out between 1920 and 1940.
12/31/1906	Trenching	
12/31/1906	Other	Three short adits.

Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
091991	1987	Diamond Drill Report, Midnight Gulch Project	Diamond - Drilling, Drill Core - Geochemistry	8	898.50
092144	1987	Geological, Geochemical, Trenching and Diamond Drilling Report on Midnight Gulch Property	All Weather Road - Development, Surface, Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Backhoe - Trenching	8	898.50
091844	1986	Geological and Geochemical Report on the JL 1-80 Claims	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
093087	1986	Summary Report on 1986 Exploration Activity, Midnight Gulch Property	All Weather Road - Development, Surface, Diamond - Drilling, Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Prospecting - Other, Hand - Trenching, Mechanical - Trenching	5	228
091874	1986	Cat Trenching Island Fractional Claims 1 and 2	Rock - Geochemistry, Soil - Geochemistry, Mechanical - Trenching		
091910	1986	[Diamond Drilling on the Ton and JL Claims]	Diamond - Drilling	5	228
091841	1985	Geological and Geochemical Report on the Ton 1-16 Claims	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other		
090894	1981	Geology and Evaluation of the JL 1-24 Mineral Claims	Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Property Evaluation - Other, Hand - Trenching		
061148	1974	Addendum Report on the EB Claims	Data Compilation - Pre-existing Data, Research/Summarize - Pre-existing Data		
017504	1966	Report on the Geological and Diamond Drill Programs on the Tally-Ho Gulch, Alta and Car Claim Groups	Diamond - Drilling, Drill Core - Geochemistry, Drill Cuttings - Geochemistry, Rock - Geochemistry	5	459.94

Related References

Number	Title	Page(s)	Reference Type	Document Type
ARMC014201	Claim and exploration map of Midnight group, H.O. group and Hidden Ore group		Property File Collection	Geoscience Map (General)
ARMC014200	Claim and exploration maps of Old Showing, Midnight group and Hidden Ore group		Property File Collection	Geoscience Map (General)

Drill core at YGS core library

Number	Property	Year Drilled	Core Size	Photos	Data
DDH-87-A1	Mount Stevens	1987	HQ-NQ	16	2
DDH-87-C1	Mount Stevens	1987	HQ-NQ	20	2
DDH-87-I1	Mount Stevens	1987	HQ-NQ	15	3
DDH-87-I2	Mount Stevens	1987	HQ-NQ	12	3
DDH-87-WB1	Mount Stevens	1987	HQ-NQ	16	2
DDH-87-WB2	Mount Stevens	1987	HQ-NQ	16	2

DDH-87-WB3	Mount Stevens	1987	HQ-NQ	20	3
DDH-87-WB4	Mount Stevens	1987	HQ-NQ	14	3