



## Occurrence Details

**Occurrence Number:** 105D 024

**Occurrence Name:** Morning

**Occurrence Type:** Hard-rock

**Status:** Prospect

**Date printed:** 6/14/2025 4:52:06 PM

## General Information

**Secondary Commodities:** gold, silver

**Aliases:** Chieftain Hill, Ocean

**Deposit Type(s):** Vein & Disseminations Stibnite

**Location(s):** 60°11'45" N - -135°21'41" W

**NTS Mapsheet(s):** 105D03

**Location Comments:** .5 Kilometres

**Hand Samples Available:** No

**Last Reviewed:**

## Capsule

### Work History

Staked as 14 Morning, Evening, etc cl by Eisenhauer et al about 1906, who carried out hand trenching over the next few years. The Evening claim was surveyed in 1910 and taken to lease but the claim and work records have since been lost.

Restaked as Chief cl 1-4 (60182) in Mar/51 by W. McAlister and as Rain cl 1-2 (90559) in Sep/64 by A.H. Moisey. The Rain claims were optioned to Yukon Antimony Corporation Ltd, which built a tote trail to the showing in 1964 and carried out bulldozer trenching in 1965.

Restaked as Chief cl 1-71 (YA74384) in Nov/81 by AGIP Canada Ltd following reconnaissance geochemical soil sampling earlier in the year. In 1982, AGIP carried out geological mapping, geochemical rock and soil sampling, magnetometer surveying and staked Chief cl 72-106 (YA74870) to the north in Jul/82. The company entered a joint venture with Erickson Gold Mines Ltd in 1984. Erickson staked Butte cl 1-34 (YA82680) 4 km to the north in Aug/84. In 1985, Erickson drilled 9 rotary holes (132.6 m) and carried out trenching on the Butte claims, before changing its name to Total Erickson Resources Ltd later in the year. Some of the claims were restaked and fractions were covered with Glee cl 1-22, 38-46 and 59-80 (YA93875) in October and Nov/85 by AGIP and Total Erickson. The companies carried out geological mapping, geochemical sampling, trenching, magnetometer, VLF-EM, HLEM and IP surveys and road construction in 1986; diamond drilling of seven holes (894 m) in 1987; eight holes (902 m) in 1988; and seven holes (1 804 m) in 1989.

Wheaton River Minerals Inc purchased the claims in 1991 and explored the Ocean vein with three deep drill holes (1 033.5 m) and additional HLEM surveying.

Omni Resources Inc purchased the claims in 1993. BYG Natural Resources Inc staked TM cl 1-117 (YB66866) to the east in May/96 and added TM cl 118-133 (YC07981) in Jul/97. These claims were later (Oct/2000) transferred to Omni Resources after a claim of lien was filed against BYG in Mar/99. Omni Resources drilled five holes (608 m) on the Ocean vein in 1997.

In Nov/2000 Omni amalgamated with Trumpeter Yukon Gold Inc to form Tagish Lake Gold Corporation.

### Capsule Geology

Gold and silver occurs in quartz-stibnite veins containing minor sphalerite in the Chieftain Hill area. The veins are hosted by a series of parallel east-west shears in the Mid-Cretaceous aged Mt. Ward granite of the Mt. McIntyre plutonic suite and are up to 3 m wide and 10-100 m apart. Rhyolite and andesite dykes and several small plugs of quartz-feldspar porphyry are often spatially associated with the veins.

Three types of veins are present and occur principally on the south and north sides of Morning Gulch, on the eastern, lower slopes of Chieftain Hill approximately 2.5 km northeast of the Skukum Creek deposit (Minfile Occurrence #105D 022).

The Ocean vein system or shear zone ranges up to 2.6 m wide and has been drill-tested over a strike length of 800 m and a vertical extent of 400 m. It consists of brecciated quartz with a dark grey matrix of fine-grained sulphides and chlorite, and occurs in a 4.5 m wide shear zone cutting granite. The sulphides include up to 15% pyrite, 4% galena and up to 1% chalcopyrite. The Chieftain Hill fault truncates the vein at its west end. The granite wall rock is brecciated, clay-altered and cut by numerous sericitized rhyolite dykes. Drilling in 1997 returned generally low values (<0.5g/t Au) over narrow widths outside of the vein, with one section from the vein grading 13 g/t Au and 7.6 g/t Ag over 1.53 m. The host granite is strongly bleached within tens of meters of the vein system and shows pervasive quartz-sericite-(carbonate) alteration.

The Evening vein, located upslope to the north of the Ocean vein, is a quartz vein with a core of radiating stibnite crystals. It occurs in a 10 m wide shear zone cutting altered andesite. It is up to 1.4 m wide and has been traced on surface for about 35 m. A drill hole intersected 1.4 g/t Au and 116.9 g/t Ag over a true width of 0.15 m.

The Pristine, Ebony, Better B and Johnny B veins, which occur south of the Ocean vein, cut granite or rhyolite and consist mostly of 80-90% coarse grained and comb-textured quartz, and 10-20% sulphides including pyrite, arsenopyrite, galena and sphalerite. Stibnite is notably absent. Assays range up to 32.2 g/t Au and 3 428.5 g/t Ag.

### References

AGIP CANADA LTD, Nov/82. Assessment Report #091391 by R.A. Doherty and R. Tykajlo.

BOSTOCK, H.S., 1941. Mining industry of Yukon, 1939 and 1940. Geological Survey of Canada, Memoir 234, p. 36-37.

DICKSON, H.G., Jul/07. Claim compilation map of part of Conrad Mining District by H.G. Dickson, D.L.S., Yukon Archives.

ERICKSON GOLD MINES LTD, Aug/85. Assessment Report #091652 by R. Somerville.

GEOLOGICAL SURVEY OF CANADA, Summary Report 1909, p. 54-55; Summary Report 1915, p.48.

GEORGE CROSS NEWSLETTER, 27 Apr/93.

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).

HART, C.J.R. and RADLOFF, J.K., 1990. Geology of the Carcross, Fenwick Creek, Alligator Lake, Whitehorse and part of Robinson map areas (105D/2,3,6,11 & 7), Yukon. Exploration and Geological Services Division, Yukon, Indian and Northern Affairs Canada; Open File 1990-4, 113p.

HART, C.J.R., 1992. Chieftain Hill (Morning, Evening, Ocean). Yukon Exploration 1991, p. 35-39.

OMNI RESOURCES INC and TRUMPETER YUKON GOLD INC, Oct/87. Assessment Report #093720 by T.M. Elliott.

OMNI RESOURCES INC and TRUMPETER YUKON GOLD INC, Nov/2000. Joint News Release.

TAGISH LAKE GOLD CORPORATION, Feb/2002. Web Site: www.tagishgold.com.

TAGISH LAKE GOLD CORPORATION, Mar/2003. Assessment Report #094337 by C.O. Naas.

WHEATON RIVER MINERALS LTD, Jan/92. Assessment Report #092993 by R.A. Doherty .

### Work History

Date	Work Type	Comment
7/1/2020	Geochemistry	
7/1/2009	Geochemistry	
7/1/2009	Ground Geophysics	
7/1/2002	Geology	
7/1/2002	Pre-existing Data	
7/1/1997	Geochemistry	
7/1/1983	Geochemistry	
7/1/1983	Geology	
7/1/1983	Geochemistry	
7/1/1982	Airphotography	
7/1/1981	Airphotography	
7/1/1981	Trenching	
7/1/1981	Geochemistry	
7/1/1981	Geochemistry	
7/1/1981	Geochemistry	
7/1/1981	Geology	
12/31/1997	Drilling	Five holes, 608 m.
12/31/1991	Drilling	Three holes, 1,033.5 m.
12/31/1991	Ground Geophysics	HLEM survey.
12/31/1989	Drilling	Seven holes, 1,804 m.
12/31/1988	Drilling	Eight holes, 902 m.
12/31/1987	Drilling	Seven holes, 894 m.
12/31/1986	Geology	
12/31/1986	Geochemistry	Also rock sampling.
12/31/1986	Ground Geophysics	Also VLF-EM, HLEM and IP surveys.
12/31/1986	Trenching	
12/31/1986	Development, Surface	
12/31/1985	Drilling	Nine holes, 132.6 m. Carried out on Butte claims.
12/31/1985	Trenching	Carried out on Butte claims.
12/31/1982	Geology	
12/31/1982	Geochemistry	Also rock sampling.
12/31/1982	Ground Geophysics	
12/31/1965	Trenching	
12/31/1910	Trenching	Work carried out between 1906 and 1910.
12/13/1964	Development, Surface	

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
			Rehabilitation - Development, Underground, Diamond - Drilling, Drill		

<a href="#">095827</a>	2011	Tagish Lake Gold Property , Exploration Report for 2011, Geological, Geochemical, Diamond Drilling and Data Compilation Work	Core - Geochemistry, Historical Drill Core - Geochemistry, Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, Surveying - Other, Data Compilation - Pre-existing Data, Digitizing Data - Pre-existing Data	51	12487.77
<a href="#">095183</a>	2009	Skukum Project Exploration Report for 2009 Geochemical and Geophysical Work Done on the Following Mineral Claims Char,Chief,CI,Glee,Kuku,Lb,Mil,Mom,Omni,Pop,Raca,Sten	Rock - Geochemistry, IP - Ground Geophysics, Resistivity - Ground Geophysics		
<a href="#">094337</a>	2002	Geological Structure and Alteration Study of the Pop,Mom,Chief,Glee,Tech,Berg,Sten,Mil Claims	Detailed Bedrock Mapping - Geology, Petrographic - Lab Work/Physical Studies, Process/Interpret - Pre-existing Data		
<a href="#">091474</a>	1983	Surface Work Geological Mapping and Geochemical Sampling	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology		
<a href="#">091391</a>	1982	Geological Mapping, Geochemical Sampling and Magnetometer Survey Chieftan Hill Area	Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Prospecting - Other		
<a href="#">091462</a>	1982	Surface Work, Geological Mapping and Geochemical Sampling, Mount Skukum Area, Kuku Claims	Orthophoto - Airphotography, Rock - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Line Cutting - Other, Surveying - Other		
<a href="#">091061</a>	1981	Geological Mapping,Geochemical Sampling and Trenching, Mount Skukum Area, Kuku Claims	Orthophoto - Airphotography, Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Detailed Bedrock Mapping - Geology, Magnetics - Ground Geophysics, Heavy Mineral Concentrate - Lab Work/Physical Studies, Backhoe - Trenching		
<a href="#">092071</a>	1964	Carbon Hill Antimony Deposits,Wheaton District of Yukon Antimony Corporation Ltd (N.P.L)	Property Evaluation - Other		
<a href="#">092050</a>	1940	[Preliminary Account of the Present-Work of the Wheaton River Antimony Deposits]	Tunnelling - Development, Underground, Hand - Trenching		