



## Occurrence Details

**Occurrence Number:** 105E 042

**Occurrence Name:** Lake

**Occurrence Type:** Hard-rock

**Status:** Showing

**Date printed:** 8/6/2025 2:16:21 AM

## General Information

**Secondary Commodities:** gold

**Deposit Type(s):** Vein Au-Quartz

**Location(s):** 61°21'16" N - -134°20'1" W

**NTS Mapsheet(s):** 105E08

**Location Comments:** 1 Kilometres

**Hand Samples Available:** No

**Last Reviewed:**

### Capsule

#### Work History

Staked as two separate groups in Jun/81, the NC cl 1-8 (YA61247) by G. Asuchak 1.6 km south and Ren cl 1-4 (YA60302) by R. Fendrick 1.6 km north. Asuchak restaked the Ren claims as Sam cl 1-2 (YA78272) in Aug/83; added Lake cl 1-2 (YA93800) 1.6 km to the west in Oct/85; restaked the Ren claims as Solid cl 1-4 (YA96514) in Nov/86 by R. Asuchak; added Lone cl 1 (YA95598) 1.6 km south in Aug/86. Also during this period R. Fendrick staked Tuf cl 1-2 (YB97115) in Mar/87 and R. Trudeau staked Sherri cl 1-2 and Jessie cl 1-2 (YB21668) 3 km to the south in Sep/87.

Restaked by L. Carlyle and M. Fuerstner Jr, as part of a large block of claims that parallel the South Big Salmon River valley; Cam cl 1-126 (YB97530) were staked in May/97; Cam cl 127-142 (YC07943) were staked in July/97; and Cam cl 143-146 (YC08748) were staked in May/98. Carlyle and Fuerstner carried out geochemical rock and soil sampling, EM and magnetometer surveying in 1997; geochemical rock and soil sampling and bulldozer trenching in 1998; geological mapping, limited geochemical rock and soil sampling and EM geophysical surveying in 1999; and geochemical soil sampling 4 km to the north and geochemical soil sampling and machine trenching 2 km to the east in 2000. Carlyle staked Cam cl 157-214 (YC40019) contiguously to the east of the existing claim block in Jul/2005 and carried out limited magnetometer surveying during this period.

#### Capsule Geology

The occurrence is underlain by a package of steeply dipping, metamorphosed terrigenous clastic and carbonate rocks consisting of quartz-sericite schists, chlorite schist and silicified limestone mixed with quartzite. The rocks are Paleozoic in age and show greenschist to lower amphibolite metamorphic grades. A strong north-northwest trending structural fabric predominates the area and is expressed as a series of faults and/or shear zones which parallel the Big Salmon Fault which runs throughout the area just west of the claim block. Quartz-calcite veins, some of which are boudinaged, occupy the fault/shear zones and are commonly about 0.5m in width. Most appear barren at surface except for traces of oxidized pyrite, sampling by Carlyle showed an increase in anomalous gold, arsenic and copper values in samples that displayed strong iron and manganese staining and/or contained graphitic material.

The occurrence is flanked by Summit Creek to the south and Lake Creek to the north, sampling in 1997 returned a peak soil value for Au of 898 ppb from the ridge north of Summit Creek. Sampling of a 0.5m quartz vein in the creek bed below the ridge returned 1 446 ppb Au with 143 ppm As. Soil samples collected on the ridge north of Lake Creek returned more consistently anomalous values with 7 of 18 samples returning >50 ppb Au, trenching in 1998 exposed silicified quartz-sericite schist that returned 169.9 ppb Au over 20.5 m. No significantly anomalous results were obtained from the 2000 work program which was carried out in areas peripheral to the occurrence.

#### References

CARLYLE, L.W. and FUERSTNER, M., Apr/98. Assessment Report #093873 by L.W. Carlyle.

CARLYLE, L.W. and FUERSTNER, M., May/99. Assessment Report #094019 by L.W. Carlyle.

CARLYLE, L.W. and FUERSTNER, M., Mar/2000. Assessment Report #094082 by L.W. Carlyle.

CARLYLE, L.W. and FUERSTNER, M., May/2001. Assessment Report #094352 by L.W. Carlyle.

COLPRON, M., 2005. Preliminary investigation of the bedrock geology of the Livingston Creek area (NTS 105E/8), south-central Yukon. In: Yukon Exploration and Geology 2004, D.S. Emond, L.L. Lewis and G.D. Bradsahw (eds.), Yukon Geological Survey, p. 95-107.

YUKON EXPLORATION AND GEOLOGY 1997, p. 31-32, 35; 1998, p. 16, 28; 1999, p. 30.

### Work History

Date	Work Type	Comment
12/31/2000	Trenching	
12/31/1999	Geochemistry	Also soil sampling.
12/31/1999	Geology	
12/31/1999	Ground Geophysics	
12/31/1998	Geochemistry	Also soil sampling.
12/31/1998	Trenching	

12/31/1997	Geochemistry	Also soil sampling.
12/31/1997	Ground Geophysics	Also magnetic survey.
12/13/2005	Ground Geophysics	
12/13/2000	Geochemistry	Also soil sampling.

### Assessment Reports that overlap occurrence

Report Number	Year	Title	Worktypes	Holes Drilled	Meters Drilled
<a href="#">096140</a>	2012	2011 Geochemical Sampling and Surficial Geology Mapping Program, Livingstone Property	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, Regional Surficial Mapping - Geology		
<a href="#">095837</a>	2011	Ground Magnetometer Ground Spectrometer and Geochemical Surveys for Goldstrike Resources Ltd.	Rock - Geochemistry, Soil - Geochemistry, Gamma-ray Spectrometry - Ground Geophysics, Magnetics - Ground Geophysics		
<a href="#">095727</a>	2011	2011 Work Program, Cam Claims, Livingstone Area	Rock - Geochemistry, Soil - Geochemistry		
<a href="#">094684</a>	2005	Claim Staking, Magnetometer and Soil Sampling, 2005, Cam Claims, Livingstone Area	Soil - Geochemistry, Magnetics - Ground Geophysics		
<a href="#">094352</a>	2000	VLF-EM Surveys, Rock and Soil Sampling, and Backhoe Trenching, 2000, Cam Claims 1-146, Livingstone Area	Rock - Geochemistry, Silt - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics, Backhoe - Trenching		
<a href="#">094082</a>	1999	Bedrock Geology, VFL-EM Surveying, Rock, Soil and Stream Sediment Sampling, 1999, Cam Claims, Livingstone Area	Rock - Geochemistry, Soil - Geochemistry, Bedrock Mapping - Geology, EM - Ground Geophysics		
<a href="#">094019</a>	1998	Report on the 1998 Work Program, Cam Claims 1-142	Rock - Geochemistry, Soil - Geochemistry, Backhoe - Trenching		
<a href="#">093873</a>	1997	Report on the 1997 Work Program, Cam Claims 1-142	Rock - Geochemistry, Soil - Geochemistry, EM - Ground Geophysics		