PROSPECTING REPORT

ON

Castle Silver Mines Property

NICOL TOWNSHIP

Claim L4276107
Centred on
UTM 17N 519693E 5278390N
NAD83

NTS 41 P/10NE

DISTRICT OF LARDER LAKE, ONTARIO

E. Basa, P.Geo
August 30, 2017

TABLE OF CONTENTS

Table of Contents 2
Summary 3
Property Description and Access 4
Past Work 7
Regional and Property Geology 7
Traverse 10
Recommendations 15
References 16
Statement of Qualifications 17

LIST OF FIGURES

Figure 1 Property Location Map 4
Figure 2 Property Map with Geology 9
Figure 3 Traverse Map with Geology 9

LIST OF TABLES

Table 1 Table of Castle Silver Leases 5
Table 2 Table of Castle Silver Claims 6
Table 3 Waypoint description 8

LIST OF PHOTOS

Photo 1 Open shaft on Claim L4276107 10
Photo 2 Looking into open shaft on claim L4276107 11
Photo 3 Muck rock from shaft on Claim 4276107 11
Photo 4 Pit in NE corner of claim L4276107 12

SUMMARY

A short traverse was made on July 27th, 2017 to inspect old mine workings located Ontario Geological Survey Map 2349 to determine if further inspection is warranted.

On claim L4276107, in Nicol Township, both a pit and shaft were identified towards the middle of the Nipissing Diabase. Both features were located on the ground. The shaft is open and should have some form of fencing erected. No veining was identified upon initial inspection. Examination of the muck pile nearby identified small amounts of narrow calcite veining. The pit is also open and should be fenced. Initial inspection shows fractures with calcite veining present both in place and in broken rock nearby

A second traverse was made on August 10th, 2017 to determine access to be able to dewater the pit to see the fresh exposure of what structure the pit was sunk on. Samples showing cobalt and nickel bloom were taken from the muck pile for assay.

PROPERTY DESCRIPTION AND ACCESS

The property lies approximately 130 km NNE of Sudbury, 100 km SSE of Timmins and approximately 80 km WNW of New Liskeard (Figure 1). Road access to the property is via Hwy 65W from New Liskeard to Elk Lake. From Elk Lake, another 34km on HWY 560 reaches Everett Lake Road – a well-travelled gravel road heading north from highway 560. An old gravel pit approximately 900m from highway 560 is on the east side of the road and is on the SE corner of the claim.

Figure 1. Property Location

Castle Silver Mines Inc.'s property consists of 34 leases, 2 Licenses of Occupation and 8 staked claims comprising, in total, approximately 1095 hectares (with another 1280 ha in claims staked but not yet posted on MNDM CLAIMaps) in Haultain and Nicol Townships (G-3972 and G-3692) (Figure 2). The claim covered here is a single-unit claim 4276107 and is covered with overburden consisting of sand and gravel.

Table 1. List of Castle Silver Leases

Claim Number	Status	Type	Expiry Date	Lease/Lic#	Township/Area
HS350	Active	Lease	03/31/2020	19683	HAULTAIN
HS353	Active	Lease	03/31/2020	19685	HAULTAIN
HS352	Active	Lease	03/31/2020	19684	HAULTAIN
HS354	Active	Lease	03/31/2020	19681	HAULTAIN
HS355	Active	Lease	03/31/2020	19680	HAULTAIN
HS357	Active	Lease	03/31/2020	19679	HAULTAIN
HS364	Active	Lease	03/31/2020	19673	HAULTAIN
HS365	Active	Lease	03/31/2020	19682	HAULTAIN
HS366	Active	Lease	03/31/2020	19674	HAULTAIN
HS367	Active	Lease	03/31/2020	19675	HAULTAIN
HS368	Active	Lease	03/31/2020	19678	HAULTAIN
HS369	Active	Lease	03/31/2020	19672	HAULTAIN
LM106	Active	Lease	03/31/2021	19712	HAULTAIN
MR1117	Active	Lease	03/31/2021	19712	HAULTAIN
MR1055	Active	Lease	03/31/2021	19713	HAULTAIN
RSC102	Active	Lease	03/31/2021	19713	HAULTAIN
RSC101	Active	Lease	09/30/2020	19708	HAULTAIN
RSC104	Active	Lease	09/30/2020	19706	HAULTAIN
LM107	Active	Lease	09/30/2020	19696	HAULTAIN
LM108	Active	Lease	09/30/2020	19697	HAULTAIN
LM109	Active	Lease	09/30/2020	19698	HAULTAIN
LM110	Active	Lease	09/30/2020	19699	HAULTAIN
RSC99	Active	Lease	09/30/2020	19700	HAULTAIN
RSC100	Active	Lease	09/30/2020	19707	HAULTAIN
GG6196	Active	Lease	03/31/2017	19573	HAULTAIN
LM105	Active	Lease	03/31/2017	19573	HAULTAIN

Claim Number	Status	Type	Expiry Date	Lease/Lic#	Township/Area
GG3879	Active	Licence of Occupation		1379	NICOL
HS362	Active	Lease	09/30/2020	19694	NICOL
HS361	Active	Lease	09/30/2020	19705	NICOL
HS360	Active	Lease	09/30/2020	19704	NICOL
LM111	Active	Lease	09/30/2020	19709	NICOL
RSC105	Active	Lease	09/30/2020	19695	NICOL
HS363	Active	Lease	03/31/2020	19677	NICOL
HS358	Active	Lease	09/30/2020	19702	NICOL
GG3879	Active	Lease	03/31/2020	19676	NICOL
HS359	Active	Lease	09/30/2020	19703	NICOL
HS356	Active	Lease	09/30/2020	19701	NICOL
GG3652	Active	Lease	06/30/2017	19572	NICOL
TC458	Active	Lease	06/30/2017	19572	NICOL

Table 2. List of Castle Silver Claims

Claim Number	Township / Area	Recorder Holder	Due Date
4276107	NICOL (G-3692)	CASTLE SILVER MINES INC.(100.00 %)	2017-SEP-15
4263444	HAULTAIN (G-3972)	CASTLE SILVER MINES INC.(100.00 %)	2018-MAR-25
4263583	HAULTAIN (G-3972)	CASTLE SILVER MINES INC.(100.00 %)	2018-MAR-25
4263352	NICOL (G-3692)	CASTLE SILVER MINES INC.(100.00 %)	2018-JUN-23
4263445	HAULTAIN (G-3972)	CASTLE SILVER MINES INC.(100.00 %)	2019-MAR-25
4263360	HAULTAIN (G-3972)	CASTLE SILVER MINES INC.(100.00 %)	2019-APR-25
4263587	NICOL (G-3692)	CASTLE SILVER MINES INC.(100.00 %)	2019-DEC-04
4263351	NICOL (G-3692)	CASTLE SILVER MINES INC.(100.00 %)	2020-APR-11

PAST WORK

There is a 208-foot (63.4m) shaft on the claim so historically, there was activity in the early years of the camp. McIlwaine (1978) reports that the shaft was sunk in 1917 by TC177 Mining Company Limited to 61m with some crosscutting. In 1919, the property was acquired by Palmer-Paine Mines Limited who deepened the shaft to 63.4m with more lateral work on the 61m level. Additional drifting was done on the 52m level at that time. No production was reported and no other underground work was reported. There is also a pit located in the northeast corner of the claim. No information was found on who sunk the pit.

More recently, in 2005, True North Mineral Laboratories completed surface sampling on this claim - as part of a larger claim package, looking for heavy minerals and kimberlite indicator grains. Four samples were taken in the southwestern corner of the claim. Although some indicator grains were identified, no further work was done.

No further exploration work was noted in assessment files searched.

REGIONAL AND PROPERTY GEOLOGY (from Robinson, 2015)

Nicol and Haultain Townships lie within the Southern structural province near the boundary with the Superior province.

The Gowganda area is near the north edge of the Cobalt Embayment which consists of Proterozoic sediments. The basement rocks are Archean metavolcanics, associated intrusives, and sediments. The sediments include Iron Formation. Both the Proterozoic and Archean rocks are cut by a shallow-dipping late gabbroic (Nipissing Diabase) cone dikes commonly and historically called sills – specifically Nipissing Diabase sills in these regional silver camps).

Deposit Types and Mineralization

In the Cobalt, Gowganda, South Lorain, North Cobalt, Casey Township mining camps; Ag-Co-Ni vein deposits were mined within Nipissing diabase and the Archean and Proterozoic rocks crosscut by Nipissing diabase. In the Gowganda mining camp: the ore was mined from sub-vertical to vertical carbonate veins in the Miller Lake and Milner Lake Nipissing diabase cone dikes. The economic deposits were dominantly within the upper half of the Nipissing diabase intrusive with minor expressions of ore minerals in the Archean and Proterozoic rocks.

Regionally the deposits contain mineral assemblages including:

- The Ag-Co-Ni-As assemblage, which is commonly ore grade.
- native silver assemblage in the wall rock as specks, and fracture fillings (commonly called leaf and plate silver).
- base metal vein assemblage including chalcopyrite, sphalerite and galena beyond (outside) the arsenide assemblage or in veins lacking the arsenide assemblage.
- base metal sulphide assemblage, which is confined to the wall rock of Archean metasedimentary and metavolcanic rocks and Cobalt Group sediments.

- base metal, sulphide assemblage, which is confined to the wall rock of Archean metasedimentary and metavolcanic rocks and Cobalt Group sediments.
- late stage sulphide and sulphosalt assemblage, which is in part distributed along the margins of Ag-Co-Ni arsenide veins, where these veins appear to have been reopened.
- hematite chalcopyrite vein assemblage within carbonate veins.

The metallic minerals occur within the veins as arsenides, sulpharsenides and antimonides of nickel, cobalt, and iron and large amounts of native silver. Carbonates (calcite, dolomite), quartz, and chlorite are typical gangue minerals. The ore minerals occur in distinct mineral assemblages, such as nickel arsenide, nickel-cobalt-arsenides, cobalt-arsenides, cobalt-iron-arsenides, iron-arsenides, sulphides, and oxide assemblages.

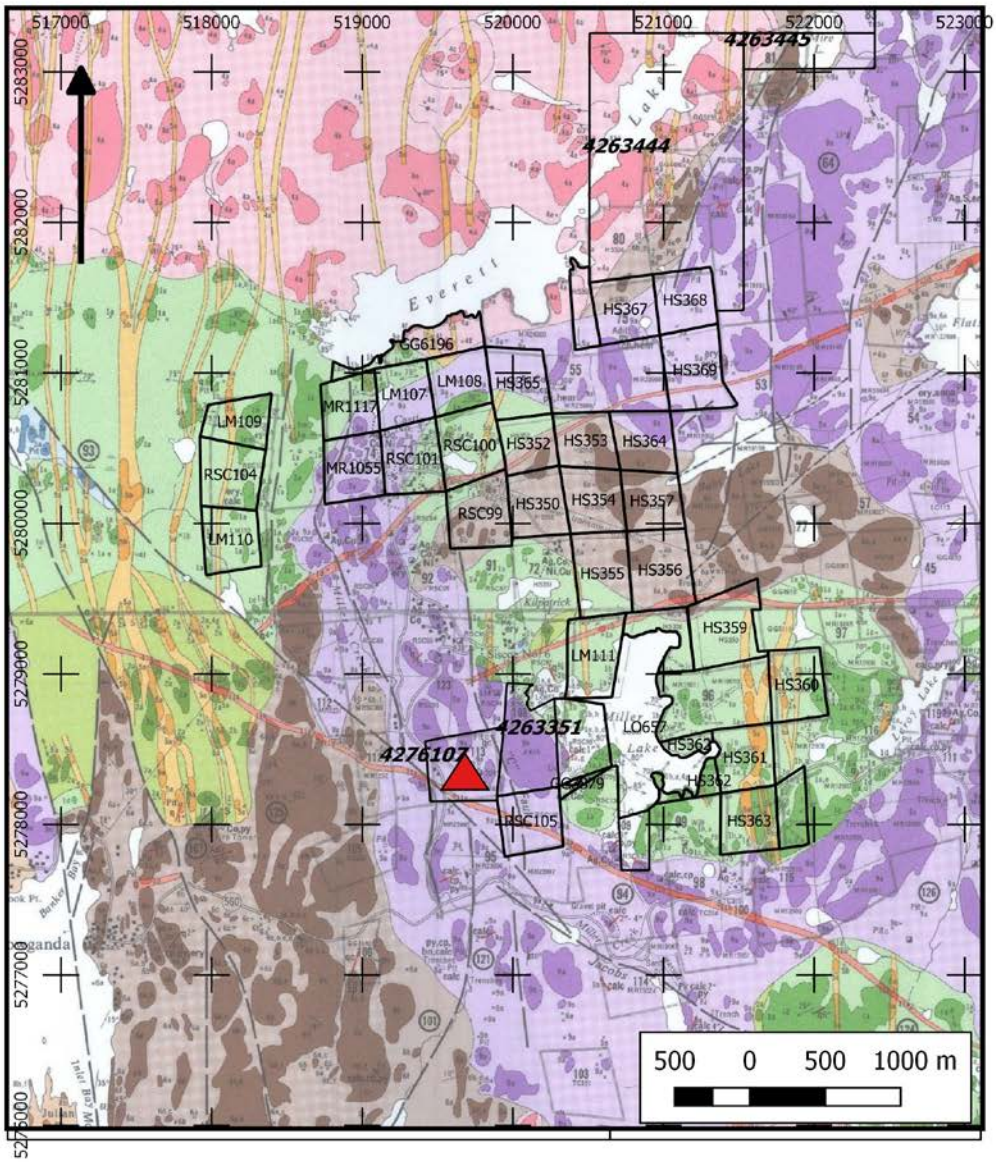

Figure 2. Castle Silver Mines Property with Regional Geology (ODM Map2349)

TRAVERSE

Traverse location and descriptions are included below. E.Basa and C. Duplessis traversed the claim to locate the shaft and pit to determine what the operations were sunk on. The shaft is open with a number of old pipes laid across to prevent anything falling in. Some old flagging was present and we added more. Some kind of fencing should be erected there. Due to the shaft being open and the integrity of the wall unknown, no veining was seen in the walls of the shaft. Inspection of the broken muck revealed mostly medium-grained diabase with some calcite. Further work marginal to the shaft to identify the structure is required.

Approximately 75 m north of the shaft was a trench trending 37° Az. The trench extended approximately 6 m and a 2-3cm calcite vein was noted in several locations along the trench. The host rock throughout the traverse was medium-grained Nipissing diabase with coarse-grained pods locally as is common in the middle and upper thirds of the diabase.

A further 115 m to the north, the excavated pit was located to the east of a skidder trail. Again, it is open and easily accessible. It should be fenced or backfilled. The depth is currently unknown. A 3-5cm calcite vein was identified in the walls of the pit trending 028° dipping 85° west.

Photo 1. Open shaft on Claim L4276107

Photo 2. Looking into open shaft on claim L4276107

Photo 3. Muck rock from shaft on Claim 4276107

Photo 4. Pit in NE corner of claim L4276107

Table of Waypoints – July 27, 2017

ID	lat	lon	ele	time	name	description
1	47.6583	-80.7376	392.0917	2017-07-27T15:03:28Z	20	medium-grained diabase; top of moderate topo rise
2	47.6586	-80.7371	394.4969	2017-07-27T15:11:28Z	21	steel rods - presumably from old shaft
3	47.65854	-80.7371	394.5121	2017-07-27T15:12:35Z	22	medium-grained diabase
4	47.65904	-80.7368	390.6865	2017-07-27T15:40:43Z	23	trench @ 37° Az; 1m x 6m; 2cm calcite vein noted
9	47.6601	-80.7368	390.8007	2017-07-27T15:51:47Z	ACTPIT 5X7FT	pit located; 1.2m x 2.3m; not fenced; 5cm calcite vein at 028°/85°W; medium-grained diabase with coarse-grained pods
10	47.66031	-80.736	393.1906	2017-07-27T15:26:02Z	PIT3	(location of pit from map co-ordinates)
11	47.65836	-80.7369	392.1788	2017-07-27T15:17:21Z	SH UNMARKED	shaft located; 3.3m x 5m; no fencing; partially flagged; lots of broken muck nearby and over ledge towards creek at base to east
12	47.65855	-80.7363	363.0272	2017-07-27T14:45:33Z	SH113	(location of shaft from map co-ordinates)

Table 3. Waypoint description

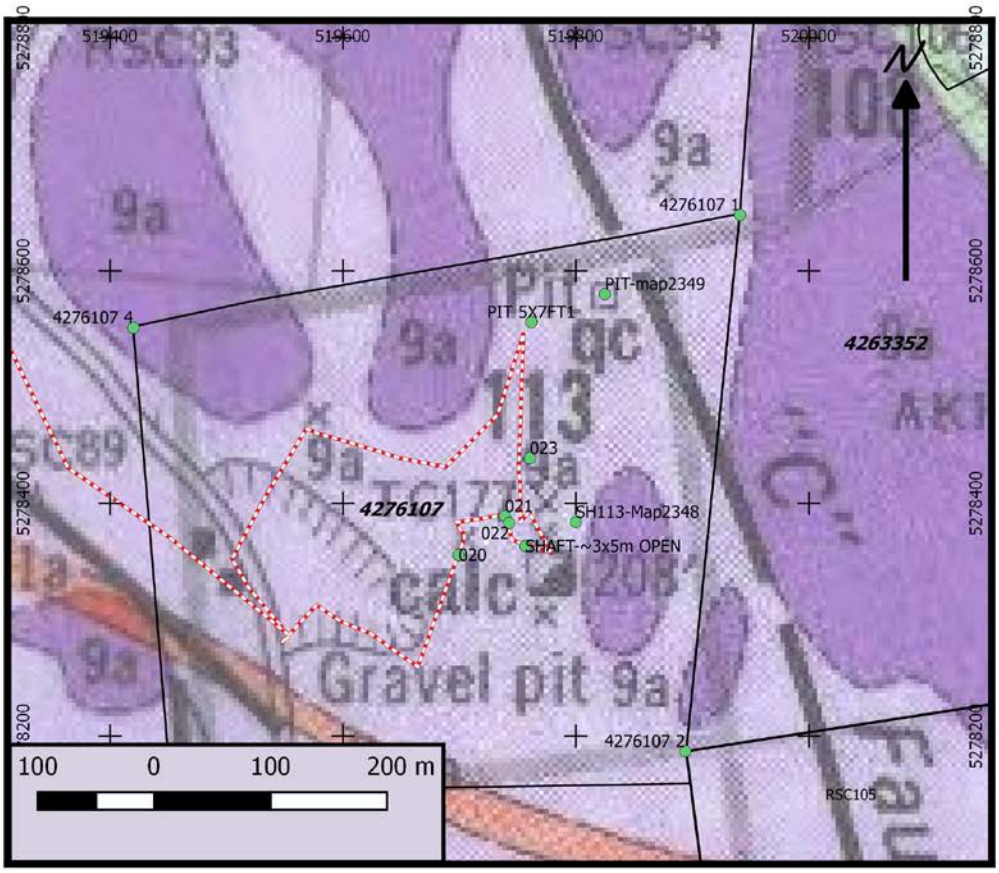

Figure 3. Traverse Map with Geology from ODM Map 2349

RECOMMENDATIONS

Initially, some lateral hand stripping around the shaft, the trench and the pit to identify the structures the shaft and pit were sunk on would be beneficial. Sampling and, if warranted, minor stripping would follow. Erection of, at least, temporary fencing around both shaft and pit should be done immediately due to proximity to the road. The area is used regularly for various recreational purposes – including hunting.

Some sampling of the muck near the pit, showing cobalt mineralization has been done subsequent to this traverse. Due to expiration date, further work will be documented in a subsequent assessment report.

REFERENCES

McIlwaine, W.H. 1978: Geology of the Gowganda Lake - Miller Lake Silver Area, District of Timiskaming; Ontario Geological Survey Report 175, 161 p. Accompanied by Maps 2348 and 2349, scale 1:31,680 or l inch to ½ mile.

Robinson, D., 2015: Assessment Report on the Mapping, MMI Geochemical Sampling, Stripping and Channel Sampling, Grid Rehabilitation, Castle #3 Rehabilitation & Castle #1 Voluntary Rehabilitation, Castle Silver Property for Castle Silver Mines Inc.

STATEMENT OF QUALIFICATIONS

I, Elaine Basa, of the town of Haileybury, in the Province of Ontario hereby certify as follows concerning my report on the Castle Silver property – Claim 4276107 in Nicol Township, dated August 23, 2017:

1. I graduated from Carleton University in 1985 with a degree of Bachelor of Science, Honours Geology

2. I have worked continuously in the mining industry for the past 32 years

3. The attached report is a product of:
   a) Traversing and inspecting the claim on July 27, 2017
   b) maps and reports identified in the reference section of this report

Elaine Basa

Elaine Basa

Dated in Haileybury, Ontario, on August 23, 2017