BIG LEDGE PROPERTY CLAIMS PART A Slocan Mining Division, BC



NTS Sheets

82L/08

(approximate centre of claims: 50° 27' N / 118° 6' W)

Work completed between September 12 and September 15, 2007

Work completed by: Barry Hanslit (Owner/Operator) Zinex Mining Corp. Nanaimo, BC

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Report Prepared by: Janet Miller Barry Hanslit

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Summary

Barry Hanslit acquired claims 546038 and 546040 (2034 acres/823 ha) comprising the Big Ledge "A" claims in the fall of 2006. He continues to be the owner/operator on the claims. The Big Ledge "A" claims are located within a portion of National Topographic System (NTS) 1:50,000-scale map sheet 82L/08 in the Slocan Mining District of British Columbia, approximately 60 km south of Revelstoke and 31 km northwest of Nakusp.

Exploration has been performed within the area since 1892 primarily on the neighboring Big Ledge. During this time numerous geological, geochemical and geophysical surveys were conducted and this exploration has resulted in four adits, trenching and over 10,000 m of drilling. The most recent work on the property was conducted by Teck Corp. between 1991 and 1993, including widely spaced soil and magnetometer surveys, trenching and diamond drilling. Regional mapping by the GSC reveals the Big Ledge to be primarily underlain by rocks of the Thor-Odin gneiss dome of the Proterozoic Monashee Complex and metamorphic rocks of the Proterozoic to Paleozoic Kootenay Assemblage. These rocks are schist and gneiss, calcareous quartzite, calc-silicate gneiss, marble and amphibolite. On the property, rocks are folded into a series of east-west trending, open to tight folds, inclined to the south, overturned to the north and plunging variably to the east and west. The Big Ledge horizon is 30m of a mineralized quartzite unit in the core of a fold which is likely a tight antiform, inclined to the south and overturned to the north.

Between September 12 and 15, 2007, reconnaissance prospecting work was conducted on the Big Ledge "A" claims. No showings with significant mineralization were found. Despite the poor results from the current exploration program, the area that comprises the Big Ledge is a highly prospective development. Further exploration after a compilation of existing data and modeling is recommended to find areas worthy of detailed prospecting in the future.

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1.0 INTRODUCTION

Barry Hanslit acquired claims 546038 and 546040 (823 ha) comprising the Big Ledge "A" claims in the fall of 2006. He continues to be the owner/operator on the claim known as the Big Ledge "A" claims which is located in a portion of National Topographic System (NTS) 1:50,000-scale map sheet 82L/08 in the Slocan Mining District of British Columbia, approximately 60 km south of Revelstoke and 31 km northwest of Nakusp (Figure 1 and 2).

Exploration has been performed within the area since 1892 mainly on the neighboring Big Ledge Deposit. During this time numerous geological, geochemical and geophysical surveys were conducted resulting in four adits, trenching and over 10,000 m of drilling. The most recent work on the property was conducted by Teck Corp. between 1991 and 1993, including widely spaced soil and magnetometer surveys, trenching and diamond drilling. Regional mapping by the GSC reveals the Big Ledge to be primarily underlain by rocks of the Thor-Odin gneiss dome of the Proterozoic Monashee Complex and metamorphic rocks of the Proterozoic to Paleozoic Kootenay Assemblage. These rocks are schist and gneiss, calcareous quartzite, calc-silicate gneiss, marble and amphibolite. On the property, rocks are folded into a series of east-west trending, open to tight folds, inclined to the south, overturned to the north and plunging variably to the east and west. The Big Ledge horizon is 30m of a mineralized quartzite unit in the core of a fold which is likely a tight antiform, inclined to the south and overturned to the north (Figure 3).

In early fall of 2007, prospecting was conducted on the Big Ledge "A" claims by Barry Hanslit. This report documents that work, and also provides a description of claims, location, access, physiography and other relevant information. A discussion of the deposit mineralogy follows a description of regional and property scale geology.





2.0 DESCRIPTION OF LANDHOLDINGS

2.1 Location and Mineral Claims

The Big Ledge "A" claims are 546038 and 546040 (823 hectares) and are located just south of Monashee Park in British Columbia and roughly bounded by Vanstone Creek in the east. The property is located 60 km south of Revelstoke and 31 km northwest of Nakusp within National Topographic System (NTS) 1:50,000-scale map sheet 82 L/08 (Figure 2). The mineral claims were staked by Barry Hanslit in the fall of 2006. Work on the property was conducted by Barry Hanslit. Additional claim information is provided in Appendix I.

2.2 Access

The Big Ledge "A" Claims are located approximately 60 kilometers south of Revelstoke and 31 km northwest of Nakusp. The property can be accessed by logging roads in the summer months south of Revelstoke on Highway 23 to the Shelter Bay logging roads, then traveling 18km south to the Limekiln spur road, and finally an additional 3.1km to Odin road.

2.3 Physiography, Flora and Fauna

The property lies in a roughly elongate rectangle stretching from the southern edge of Monashee Park to Vanstone Creek in the east. The property slopes into Fosthall Creek with peak elevations of 7,000 ft in the northwest corner of claim 546038 near Monashee Park and lowest elevations of 4,400 ft where Fosthall Creek flows out of claim 546040. The property is vegetated in a mixture of fir and cedar with open underbrush at lower elevations, and sub-alpine spruce forests at higher elevations (Evans, 1993). Outcrop is rare to the east of the property and more abundant (averaging 80%) in the west. Ungulates such as elk, moose and deer winter along Upper Arrow Lake. Black and grizzly bears can be seen in this area and trout occupy some of the lakes and rivers.

2.4 Property History`

The area around the Big Ledge has been the focus of exploration since 1892, when the deposit was originally staked as a gossan. By 1925, 210 metres of underground work in 4 adits had been completed on the Bonanza, Sunshine, Skyline and Adventurer claims. In 1927, 16 holes were drilled on the property (BCGS, 2007). Consolidated Mining and Smelting Company of Canada Ltd. (Cominco) combined a large portion of the deposit in 1947 and by 1953 they drilled 6,100 metres on the property. In 1960, the ground was re-staked as the BL group. From 1964 to 1966, approximately 3,960 metres of drilling, geological mapping and geochemical and magnetometer surveys were carried out.

Since that time numerous other companies have explored within the area around the Big Ledge. In 1977, Metallgesellschaft and Cyprus Anvil Mining Corp. mapped the geology. Esperanza Explorations completed geotechnical,

geophysical and geochemical surveys between 1980 and 1981. Geochemical and geological surveys were carried out in the vicinity of the Big Ledge by Noranda in 1988 and1989. Between 1991 and 1993, Teck Corp. mapped the property, conducted widely spaced soil and magnetometer surveys, trenched and performed diamond drilling (Evans, 1993).

3.0 GEOLOGY

3.1 Regional Geology

This area has been mapped in 1977, 1979 and 1985 by the GSC and is primarily underlain by rocks of the Thor-Odin gneiss dome of the Proterozoic Monashee Complex and metamorphic rocks of the Proterozoic to Paleozoic Kootenay Assemblage. The Thor-Odin is one of a series of gneiss domes spaced approximately 80 kilometres apart on the eastern edge of the Shuswap Complex. The Shuswap metamorphic rocks are part of the Proterozoic-Mesozoic amphibolite grade complex intruded by Eocene granodiorites and pegmatites (Evans, 1993; BCGS, 2007).

A central core zone in the Thor-Odin dome consists of gneissic and migmatitic rocks. This zone is surrounded by a heterogeneous assemblage of metasedimentary rocks of the Mantling zone and Fringe zone, the latter containing abundant pegmatite and lineated quartz monzonite. The Supracrustal zone, consisting of quartzite, marble, phyllite, schist and metavolcanic rocks, forms a cover to the gneisses (BCGS, 2007).

The Big Ledge deposit is located south of the Core zone in an east-west trending succession of metasedimentary rocks of the Mantling zone. The rusty weathering succession consists of a heterogeneous mixture of schist and gneiss, calcareous quartzite, calcsilicate gneiss, marble and amphibolite. The structure is dominated by a series of east-west trending, open to tight folds. These are inclined to the south, overturned to the north and plunge variably to the east and west. The mineralized horizon is within the core of a tight antiform, inclined to the south and overturned to the north. (BCGS, 2007)







3.2 Property Geology

The property geology shown in Figure 4, based on the data from BCGS online geology map, shows that the majority of the property is underlain by Proterozoic to Lower Paleozoic Monashee Complex comprised of calc-silicates and paragneiss. All of claim 546038 and the western majority of 546040 are underlain by Proterozoic to Lower Paleozoic Monashee Complex calc-silicates. A fault runs roughly northwest-southeast through the peak of claim 546038. The far eastern portion of claim 546040 is underlain by Monashee paragneiss and the eastern-most margin of claim 546040, roughly separated by Vanstone Creek, is underlain by Late Paleocene to Early Eocene granite and alkali-feldspar granite.

3.3 Deposit Mineralogy

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The neighboring Big Ledge showing contains showings of pyrrhotite, pyrite, sphalerite, galena, chalcopyrite and marcasite occuring along a layer known as the Ledge for a distance of over 10 kilometres. Indicated ore reserves are 6.5 million tonnes grading less than 6 per cent combined lead and zinc (CIM Bulletin Vol. 75, No. 840, page 119).

The Big Ledge is hosted in a quartzite package consisting of fine grained, dark graphitic-sericitic schist, dark quartz-rich schist, calc-silicate gneiss and minor siliceous marble layers. Pyrite and pyrrhotite are disseminated throughout these units resulting in a characteristic rusty weathering. Drilling indicates that there are at least four massive sulphide layers within the Big Ledge. It is not known if these are individual layers or fold repetitions of one or more layers. The massive sulphide layers consist of medium- to coarse-grained pyrrhotite or pyrite with varying amounts of dark sphalerite. This massive sulphide layer can be 5 to 75% of the sequence (Evans, 1993). Quartz-eyes are common in the massive sulphide layers and sphalerite is typically aligned parallel to layering in the adjacent schists (BCGS, 2007).

The Big Ledge averages 30 metres in thickness and is conformable to bedding. Pyrrhotite is the most abundant sulphide and pyrite, usually in nodular masses, is locally abundant. Sphalerite is erratically distributed with the pyrrhotite. Galena is occasionally present in minor amounts along with the other sulphides, but the only notable concentrations are small occurrences in calcareous beds adjacent to the main mineralized sections. In general, the sulphides are coarse-grained and a small amount of the ore minerals are intergrown with pyrrhotite. Iron sulphides are usually accompanied by scattered graphite flakes.



A zone of heavier mineralization occurs in the upper portion of the rock series. This zone ranges from 0.61 to 6 metres in thickness and is conformable with bedding, but the sulphides are erratically distributed in irregular massive and disseminated bodies. There is a large amount of granitic and pegmatitic material in this zone. Sphalerite appears to be most abundant in disseminated sulphide sections, but small irregular high-grade patches occur with both the massive and disseminated sulphides (BCGS, 2007).

While the thickness of this horizon is unusually large in many respects it could be considered a typical Shuswap style Zn-Pb-Ag system. Alteration is essentially absent supporting a possible syngenetic origin for this system such as in a sedimentary exhalative Zn-Pb system.

4.0 2007 EXPLORATION PROGRAM

4.1 Prospecting

Three days were spent on foot prospecting the Big Ledge "A" claims. The terrain, as typical for this area, was challenging to traverse. Prospecting was focused on finding new occurrences of lead-zinc Big Ledge-type mineralization. Maps of the traverse can be seen in Figure 5a-e. No significant sources of mineralization were found. Costs associated with the program are listed in Appendix I.

4.0 CONCLUSIONS AND RECOMMENDATIONS

Results from the prospecting program in 2007 revealed no new occurrences of mineralization on the Big Ledge "A" claims. Due to the limited nature of the exploration these claims remain underexplored and warrant future work. Compilation of existing data in the area into a comprehensive set would allow for more efficient exploration in the future.











REFERENCES CITED

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- Carr, S. Implications of Ladybird granite in the Thor-Odin-Pinnacles area, pp.79, GSC 89-1E, Current Research.
- Evans, G., 1993. Diamond Drill Program Assessment Report on the Arrow Property, Prepared for Teck Corp. BC Assessment Report number 23120.
- BCGS, 2007. MINFILE Number 082LSE012, BIG LEDGE, MONARCH, ADVENTURER (L.1067), BL, SUNSHINE (L.2477), SKYLINE, Developed Prospect. BC Geological Survey, website: <u>http://minfile.gov.bc.ca/Summary.aspx?minfilno=082LSE012</u>

Appendix I

Mineral Claims and Expenditure Schedule

Expenditure Allocations (1 page)

All exploration costs have been evenly allocated across the claims on a per hectare basis as the work was designed to be a preliminary reconnaissance of the property for future more intensive exploration. This work is sufficient to hold the claims at their current status until the dates shown below.

Total Prospectin	g Costs:		\$2,700.00	. .					
Claim Number	NTS Map Sh ee t	Date of Staking	Current expiry date	Size (acres)	Area (ha)	2007 Exploration Costs	New Expiry Date	PAC Debit Used	Excess Credit
546038	082L	28-Nov-06	17-Sep-07	966.04119	390.943	\$1,282.39	17-Sep-08	0	\$26.24
546040	082L	28-Nov-06	17-Sep-07	1067.898	432.163	\$1,417.61	17-Sep-08	0	\$29.02
		:	Total	2033.9392	823.106	\$2,700.00	:		\$55.26

Big Ledge "A" Claims 2007 Prospecting Cost Schedule

Personnel Costs

Activity	Person	Day Rate	Days	Total	
Field Preparation	ו				
	Barry Hanslit	\$400.00	1	\$400.00	
In the Field					
	Barry Hanslit	\$400.00	3	\$1,200.00	
Report Preparati	on				
	Barry Hanslit	\$400.00	0.5	\$200.00	
	Janet Miller	\$400.00	1	\$400.00	
			<u>Subto</u>	tal Personnel Costs	<u>\$2,200.00</u>
Equipment Cos	<u>ts</u>				
Equipment Cos	<u>ts</u>	Day Rate	Days	Total	
Equipment Cos Item Truck and Trailer	ts 	Day Rate \$50.00	Days 5	<u>Total</u> \$250.00	
Equipment Cos Item Truck and Trailer ATV Rental	r rental	Day Rate \$50.00 \$50.00	Days 5 5	Total \$250.00 \$250.00	
Equipment Cos Item Truck and Trailer ATV Rental	r rental	Day Rate \$50.00 \$50.00	Days 5 5 <u>Subtot</u>	Total \$250.00 \$250.00 al Equipment Costs	<u>\$500.00</u>
Equipment Cos Item Truck and Trailer ATV Rental	ts r rental	Day Rate \$50.00 \$50.00	Days 5 5 <u>Subtot</u>	Total \$250.00 \$250.00 al Equipment Costs	<u>\$500.00</u>

Appendix II

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Certificate of Authors

CERTIFICATE OF AUTHORS

I, Janet L. P. Miller, of Nanaimo, British Columbia, Canada do hereby certify that:

- 1. I was an employee of Strongbow Exploration Inc. formerly Navigator Exploration Corp., 800-625 Howe St., Vancouver, British Columbia, Canada from 2000 to 2005.
- 2. I graduated from the University of British Columbia (2004) with a BSc in Honours Geology with a minor in Biology.
- 3. I have been employed continuously in geology during the summer terms of my education with a focus in diamond exploration.
- 4. I have been active in the field aspects of diamond and base metal exploration for four years (2002-2005) in the Northwest Territories and Nunavut, including project management, planning and implementation, as well as detailed mapping of surficial deposits, sampling, prospecting, and ground truthing geophysical anomalies on various properties.
- 5. I have been involved in data compilation, and analysis for diamond and base/precious metal exploration since 2000 under the supervision of a registered professional geologist, and have been involved in a number of aspects of projects in the Northwest Territories, British Columbia, and Nunavut.

Janet L.P. Miller

Nanaimo, BC, Canada January 10, 2008 I, Barry Hanslit, of 3380 Hammond Bay Rd. Nanaimo, British Columbia do hereby declare the following:

- 1. I have completed a "Prospecting Course" in 1991 given by a representative of Manitoba Natural Resources at Falcon Lake, Manitoba.
- 2. I have been prospecting for the last 12 years in both Manitoba, and more recently British Columbia.
- 3. I have worked on several prospects and developed prospects in Manitoba during the years 1990 to 1994
- 4. Held the position of Project Operations Manager with Stornoway Diamonds from 2004 to 2005.
- 5. Currently president of Zinex Mining Corp.

MA

Barry A. Hanslit

Nanaimo, BC, Canada January 10, 2008