

*Gold-Silver-Tungsten*

*File under gold - B. C.*

DEER HORN MINES LIMITED  
(No Personal Liability)



Prospectus 014352

(For filing and filed with the Ontario Securities Commission pursuant to the Securities Act (Ontario).)

MAY 31 1954

093E020  
093E019

1. Deer Horn Mines Limited (No Personal Liability), hereinafter for convenience referred to as "the Company" was incorporated under the provisions of The Companies Act (Ontario) by Letters Patent dated the 7th day of December, 1950. The Head Office of the Company is situate at Room 1922, 44 King Street West, Toronto, Ontario.

2. The following are particulars of the Officers, Directors and Promoter of the Company:

(a) <u>Officers and Directors</u>	<u>Name in full and Occupation</u>	<u>Address in Full</u>
President and Director	William Henry Bouck Barrister-at-law	R.R. # 1, Downsview, Ontario
Vice-President and Director	George Arthur Fallis Barrister-at-law	210 Glencairn Ave. Toronto, Ontario
Secretary-Treasurer	Frederick Douglas Redfern Chartered Secretary	370 Walmer Rd. Toronto, Ontario
Director	Clifford Victor Harrison Prospector	Burns Lake, British Columbia
Director	Franc Renault Joubin Geologist	101 Donwoods Dr. Toronto, Ontario
Director	John Black Aird Barrister-at-law	112 Buckingham Ave. Toronto, Ontario
(b) <u>Promoter</u>	Clifford Victor Harrison Prospector	Burns Lake, British Columbia

3. Ernest F. Griffith, Esquire, Accountant, 217 Bay Street, Toronto, Ontario, is the Company's Auditor.

4. The Chartered Trust Company, 34 King Street West, Toronto, Ontario, is the Registrar and Transfer Agent of the Company.

5. The authorized capital of the Company is divided into 3,000,000 shares of the par value of \$1.00 each whereof 1,860,005 shares all fully paid up and non assessable, have been allotted and issued.

6. The Company has not created or issued any bonds or debentures nor does it propose to do so.

7. Certificates representing 675,000 shares of the Company's capital are presently escrowed with The Chartered Trust Company, 34 King Street West, Toronto, Ontario, subject as to release, pledge, transfer or other dealing only with the consent of The Ontario Securities Commission and the Board of Directors of the Company; provided that all shares from time to time released from escrow shall be apportioned pro rata among the registered holders thereof.

8. Particulars as regards shares sold for cash are as follows:

5 shares at \$1.00 each	.....	\$ 5.00
250,000 shares at .10 each	.....	25,000.00
200,000 shares at .15 each	.....	30,000.00
200,000 shares at .25 each	.....	50,000.00
25,000 shares at .40 each	.....	10,000.00
60,000 shares at .75 each	.....	45,000.00
200,000 shares at .30 each	.....	60,000.00
175,000 shares at .40 each	.....	70,000.00

CERTIFICATE

I, Paul E. Young, of Toronto, in the Province of Ontario, hereby certify:

1. That I am a Mining Engineer, with business address at 1922 - 44 King Street West, Toronto, Ontario.
2. That I graduated from the Michigan College of Mining and Technology with a degree of B.Sc. in mining, in 1931, and have been practicing my profession continuously since that time.
3. That I have no direct or indirect interest whatsoever, nor do I expect to receive any, in the holdings of Deer Horn Mines Limited, or in the securities thereof.
4. That the accompanying reports are based upon my personal knowledge of the Company's properties and upon a study of all available engineering reports, and geological reports and maps concerning the properties.

DATED AT Toronto, Ontario, this 12th day of March, 1954.

" Paul E. Young "

Paul E. Young, B.Sc.  
Professional Engineer, (Ontario)

REPORT ON PROPERTY OF

DEER HORN MINES LIMITED

OMINECA MINING DIVISION, BRITISH COLUMBIA

PROPERTY AND TITLE

<u>Claim Name</u>	<u>Lot No.</u>	<u>Claim Name</u>	<u>Lot No.</u>
Harrison No. 1	3002	Crown-Granted	Telluride No. 1
" " 2	3004	" "	3014
" " 3	2999	" "	" " 2
" " 4	3003	" "	3012
" " 5	3005	" "	" " 3 Fr.
" " 6	3013	" "	3015
" " 7	2997	" "	" " 4
" " 8	2998	" "	3016
" " 12	3006	" "	" " 5
" " 13	3010	" "	" " 6 Fr.
" " 21	3020	" "	3017
" " 22	3021	" "	" " 7
" " 23	3009	" "	3000
" " 24	3008	" "	" " 8
" " 25	3019	" "	3001
" " 26	3025	" "	Wedge Fraction
" " 27	3024	" "	3007 Crown-Granted
" " 28	3022	" "	A. E. Fraction
" " 29	3026	" "	3011 Crown-Granted
" " 30	3023	" "	Four additional claims were staked and recorded during 1953; the claim names are:
			Round No. 1
			" " 2
			" " 3
			" " 4

Title to the property, through location rights,  
is held by:

Deer Horn Mines Limited,  
1922 - 44 King Street West,  
Toronto, Ontario.

LOCATION AND ACCESS

The above-named claims and fractions form a compact group, situated on the north shore of Lindquist Lake, Omineca Mining Division, British Columbia.

The property lies in the Tweedsmuir Park area and also in the Hydro-power Reserve area recently granted to the Aluminum Company of Canada. Neither of these reserve regulations, it is believed, would impose restrictions on mining operations.

The best present route into the property is by air, but it is also accessible by water.

The Aluminum Company of Canada in their development of their hydro-electric power resources of this area (Kitimat project) intend to flood the area between the present highway and property. This will create a single navigable sheet of water from the present highway to the property. Such a development would make transportation to the Harrison property a relatively simple matter.

PHYSICAL FEATURES

Water

There is an ample supply of water for all major requirements in Lindquist Lake which is two square miles in area. Small creeks on the property provide limited sources of water for domestic, mining and drilling requirements.

### Timber

There is an ample supply of excellent timber on the property, along the north-east shore of Lindquist Lake, between elevations of 3,000 and 3,500 feet. It includes spruce, balsam and some fir and cedar.

### Accommodation

There are two log-cabins and tent accommodation on the property suitable for a crew of 30 men. These camps are completely equipped with furnishings and tools to accommodate a crew of 30. One log cabin is located on the north shore of Lindquist Lake, and the second one is halfway between Lindquist Lake and the proposed adit portal.

## GENERAL GEOLOGY

### Rock Types and Structures

The area of the Harrison property, near the eastern flank of the Coast Range Batholith, is underlain by Hazelton Group volcanics and sediments of probable Jurassic age. These bedded rocks are cut by diorite and quartz diorite masses which are now sheared to a shreddy texture. The diorite rock is in turn cut by fresh-looking, pink-coloured, in places pegmatitic, granite.

The above rock assemblage is much faulted with measurable horizontal offsets up to eight hundred feet or more.

The mineral deposits of the area include zones of sphalerite-galena-pyrrhotite mineralization in the sediments and tuffs; quartz veins containing gold and silver values in the diorite sediments and granite and some scheelite bearing lime silicate zones in the sediments.

## MINERAL SHOWINGS

Work performed on the property to date has consisted of prospecting, surface trenching, sampling and diamond drilling. Prospecting resulted in the discovery of two gold-silver bearing structures called the "Main Vein" and the "Contact Zone", and a tungsten lode.

The two gold-silver structures have been partially explored by diamond drilling but no exploration work of this nature has been done on the tungsten occurrence. A summary of results obtained from all work completed on the Company's property to the end of 1952 follows:-

Main Vein (Strike - East West  
Dip - 20 to 45° North)

Known Length - 2580 Feet plus  
Explored Length (surface) - 1220 feet  
" " (drilling) - 1550 feet

Grade indicated to date (surface sampling) 1075 feet, average width 9.51 feet averaging 0.255 ozs. gold per ton, 6.34 ozs. silver per ton, with indications of appreciable zinc values.

Tonnage indicated (surface sampling) 818 tons per slope foot.

Grade indicated (diamond drilling) 600 foot length, average width 11.2 feet, averaging 0.283 ozs. gold per ton and 8.3 ozs. silver per ton.

Tonnage indicated (diamond drilling) 538 tons per slope foot.

Possible extensions - Easterly extension not probable.  
Westerly extension - open.  
Depth extension - appears to terminate at Contact Vein, limiting slope depth on Main Vein to between 130 and 250 feet.

Only 1220 feet of the 2580 known strike length of the Main Vein has been explored by surface trenching, of which 145 feet of length was found to be low grade. Diamond drilling has tested only 1550 feet of the 2580 foot strike length.

Contact Zone

Tested only by diamond drilling.

Length explored by drilling - 950 feet.

Grade indicated by drilling - 725 foot strike length, averaging 8.7 feet in width, containing 0.407 ozs. gold per ton, 12.24 ozs. silver per ton (gross value \$25.26) and indications of appreciable zinc values.

Tonnage indicated to date - 505 tons per slope foot.

Maximum slope depth tested - 175 feet.

Possible extensions - Westerly extension - open.  
Easterly extension - most easterly hole got no values - extension may be faulted and more exploration required.  
Depth extension - open, with no indication of termination.

Tungsten Deposit (Main)

Showing consists of a large talus slide, in which occurs several outcrops of similar material.

Dimensions of talus slide - 1590 feet long by 172.6 feet wide.

Tonnage talus material - 21,100 tons per vertical foot.

Grade of talus material - 0.35% WO<sub>3</sub>

Surface sampling in one trench across a total length of 125 feet indicated a WO<sub>3</sub> content of 1.20%.

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Work Completed During 1953

A mining plant was purchased in early 1953 to be used in the underground exploration of the "Main Vein", the "Contact Zone" and the "Tungsten Zone". This plant was moved by barge to the west end of Whitesail Lake on about August 1st.

Construction of a six-mile road, from the west end of Whitesail Lake to the proposed adit portal was started on August 20th, and continued until mid-October, when heavy rains and snows compelled suspension of work. Approximately three and a half miles of road had been completed when work was stopped.

Three diamond drill holes were completed during the season to test the downward and westward continuation of the "Contact Zone", beyond the limits previously explored by drilling. The first two holes, Nos. 3C-101 and 3C-102 were drilled to intersect the downward continuation of good gold-silver values cut in previous drill holes 28, 29, 31 and 33. Both holes intersected vein zones; one intersection in Hole 3C-102 assayed 0.68 ozs. gold per ton and 23.0 ozs. silver per ton across a core length of 4.2 feet. The third hole, No. 3C-103, located 450 feet west and 250 feet north of Hole 3C-102 overshot the "Contact Zone" and was drilled in footwall rocks throughout its length. Thus, one drill hole completed during 1953 extended the "Contact Zone" down dip some 200 feet with excellent gold-silver values intersected at the proposed adit horizon, and one drill hole intersected vein material containing low gold-silver values. The third hole failed to intersect the westward continuation of the "Contact Zone".

An earlier start can be made on the field program in 1954 to take full advantage of the short season. The most difficult portion of the road has been completed. Mining machinery is on the property, a complete diamond drill rig is on the location where drilling will be started, and a Base Camp, 25 feet x 40 feet, built in 1953 on the north shore of Lindquist Lake, is fitted and equipped for commencement of operations. Thus, most of the time consuming preliminary preparations will be eliminated in 1954. It is anticipated that diamond drilling and road construction can be started in June, and that the underground program can be started as soon as the road to the adit site has been completed, probably in late July or early August.

#### CONCLUSIONS

The property is one of exceptional merit, and one on which a large exploration and development program is warranted.

An appreciable tonnage of gold-silver ore has been indicated in two structures by work to date. There are indications that these two veins contain, also, sufficient zinc to enhance the overall value of the material. It is reasonable to expect that further exploration will increase the indicated ore tonnages substantially.

The two gold-silver bearing structures and the scheelite deposit are so situated that they can all be partially developed, underground, by lateral work from one centrally located adit site. Such underground work is the logical next step in the development of this property.

" Paul E. Young "

Paul E. Young, B. Sc.  
Professional Engineer (Ontario)

March 12th, 1954,  
Toronto, Ontario.