



41P02SE0008 002001 TURNER

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SILVER CHIEF MINES, LTD.
(District of Sudbury)

by
J. E. Thomson

HISTORY AND DEVELOPMENT

In 1949, Silver Chief Mines, Ltd., owned a lead - copper - silver showing on claim W. R. 90 in Turner township. This deposit was briefly described in a government geologist's report in 1900¹. The showing was developed on the surface in

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1. J. L. R. Parsons. Report of the Survey and Exploration of Northern Ontario, 1900. page 102, Published by L. K. Cameron, Toronto, 1901
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1929 by the O'Connor Syndicate. In 1949 the property was optioned by Coniagas Mines, Ltd., and 9 drill holes, totalling 1021 feet, were put down in May and June of that year. The work was done under the direction of E. W. Todd, consulting geologist, and much of the following information on dimensions and grade of the deposit has been obtained from his reports. The writer visited the property in the summer of 1949 after all exploration work had been discontinued.

GEOLOGY

Details of the geology, as revealed by surface exposures and diamond drilling, are shown on the accompanying map. The rocks in the vicinity of the showing consist of

greywacke and quartzite of the Cobalt series intruded by Keweenaw diabase. The exposed part of the vein near the old shaft lies along the contact between the diabase and the sediments and dips to the south. West of the shaft the vein is covered by overburden and has been exposed only in deep trenches, now largely filled.

Vein material is reported to have been traced by cross-trenching at intervals in 1929 for a strike distance of 950 feet. The vein material consists of quartz that contains varying amounts of galena and chalcopyrite. The chalcopyrite occurs in irregular fractures and pockets in smoky quartz. Two varieties of galena are present, one being coarsely crystalline and the other in fine steel-grey crystals.

DIMENSIONS AND GRADE OF THE DEPOSIT

According to the reports of E. W. Todd, prepared in 1929 and 1949, surface channel sampling of trenches spaced 100 feet apart indicated a shoot 320 feet in length and 14.7 feet in width with an average metal content of 4.2 per cent. lead, 1.1 per cent. copper, and 6.6 ounces of silver per ton; it also contains 0.24 per cent. zinc and 0.02 ounces gold per ton. This shoot extends from the old shaft westward to trench No.6. In addition, sampling in 1929 showed that in trench No.10, 37.6 feet of vein material assayed 1.7 per cent. copper with a little lead and silver, while trench No.11 contained 5.4 feet, assaying 3 per cent. copper and 10 feet assaying 1.8 per cent. copper.

the drilling in 1949 out vein material in the holes as indicated on the accompanying map, but the grade of this material was low.

A sample chipped across 6 feet of vein material exposed in trench No.6 was taken by the writer in 1949. This assayed 7.01 per cent. lead, 3.03 per cent. copper, 5.62 ounces silver per ton, and 0.04 ounces gold per ton.

(December, 1949)

THIRD FLOOR, 304 BAY STREET
TORONTO, ONTARIO

November 16, 1949.



41P02SE0008 0020D1 TURNER

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Mr. J. E. Thomson,
Assistant Provincial Geologist,
Department of Mines
Parliament Bldgs.
Toronto, Ontario

Dear Sir:-

With reference to your letter of November 3rd, I am enclosing the following documents in regard to the Lead - Copper, etc. deposits in Turner Township:-

1. Government Geologist's Report - about 1902 or 1903.
2. Report of E. W. Todd, Geologist.
3. Progress Report of E. W. Todd dated Oct. 10, 1949.
4. 4 plans, viz (a) Key Map, (b) Sketch Plan showing Vein and Rock Outcrops, (c) Plan of bottom of new trench (d) Sketch plan of East Showing.
5. E. W. Todd Report dated March 25, 1949 and further information dated April 2, 1949.
6. Plan showing location of trenches.
7. E. W. Todd report of July 29, 1949 with accompanying plans and maps.

As agreed in telephone conversation of a few days ago, it is understood that you will include references to the earlier reports on this property when compiling your current report covering all copper, lead and zinc deposits in Ontario.

As most of the above documents are the originals and only copies in our possession, especially the E. W. Todd report of July 29, 1949 with its attached maps, I would be glad if you could let me have them back at the very earliest time after they have served your purposes.

Yours very truly,

R. C. Gamble

RCG/T

November 28, 1949

Mr. A. L. Bishop,
President,
The Coniagas Mines, Ltd.,
Rm. 510, 320 Bay Street,
Toronto 1, Ontario.

Dear Mr. Bishop:

The following are the assay results of some samples that I collected from the lead-copper-silver showing on claim W.R.90 in Turner township. These were taken on July 20, 1949. At the time of my visit the drilling program had been completed and the property was abandoned but the cores were still available for examination.

Sample

Turner No.1- Copper - 3.03 per cent.
Lead - 7.01 " "
Silver - 5.62 ounces per ton
Gold - 0.04 " " "

This sample was carefully chipped across 6 feet of mineralized vein material as exposed near the picket line in Trench No.6 (2+00 West on Coniagas map).

Sample

Turner No.2- Copper - 0.73 per cent.
Lead - 1.88 per cent.
Gold - Trace
Silver - 1.27 ounces per ton.

This sample consisted of all the drill core from 30 feet to 42 feet in D.D.Hole No.4.

Sample

Turner No.3- Gold - Trace
Silver-Trace

This sample consisted of all the drill core from 50 to

-2- Mr. A. L. Bishop

Nov.28, 1949

58 feet in D.D.H. No.4.

In addition, complete spectrographic analyses were made of these three samples and a duplicate copy of the results has been mailed to Mr. R. C. Gamble along with the above assays. The spectrographic analysis indicated, in addition to the above metals, less than 1 per cent. of bismuth and zinc in sample No.1 and low manganese in samples Nos.2 and 3. All assays were made by the Provincial Assay Office.

Mr. Gamble has sent me all the drilling information on this property. I wish to thank you for your help in procuring this for me.

Yours very truly

J. E. Thomson
Assistant Provincial Geologist

November 28, 1949.

Mr. R. C. Gamble,
President,
Silver Chief Mines, Ltd.,
Third Floor, 304 Bay Street,
Toronto 1, Ontario.

Dear Mr. Gamble:

The following are the assay results of some samples that I collected from your showing on claim W.R. 90 in Turner township. These were taken on July 20, 1949. At that time the drilling program had been completed and the property abandoned, but the cores were available for examination:

Sample Turner No.1- Copper- 3.03 per cent.
Lead - 7.01 per cent.
Silver- 5.62 ounces per ton
Gold - 0.04 ounces per ton

This sample was carefully chipped across 6 feet of mineralized vein as exposed near the picket line in Trench No.6 (2+00 West on Coniagas map).

Sample Turner No.2- Copper - 0.73 per cent.
Lead - 1.88 per cent.
Gold - Trace
Silver - 1.27 ounces per ton.

This sample consisted of all the drill cores from D.D.H. No.4 from 30 feet to 42 feet. This had been left intact in the core box.

Sample Turner No.3- Gold - Trace
Silver- Trace

This sample consisted of all the drill core from D.D.H.No. 4 from 50 to 58 feet.

-2- Mr. R. C. Gamble

Nov. 28, 1949

Complete spectrographic analyses of all three samples are enclosed. All assays are by the Provincial Assay Office.

I have been absent from the office for the last ten days and have not yet had a chance to complete my examination of the file on this property that you forwarded to me on November 16th. I hope to be able to return the plans and reports this week. Thanks again for sending this to me.

Yours very truly

J. E. Thomson
Assistant Provincial Geologist

encs.

REGISTERED

December 2, 1949

Mr. R. C. Gamble,
President,
Silver Chief Mines, Ltd.,
3rd Floor, 304 Bay Street,
Toronto 1, Ontario.

Dear Mr. Gamble:

I am enclosing the files covering the lead - copper - silver showing in Turner township that you forwarded to me on November 16th.

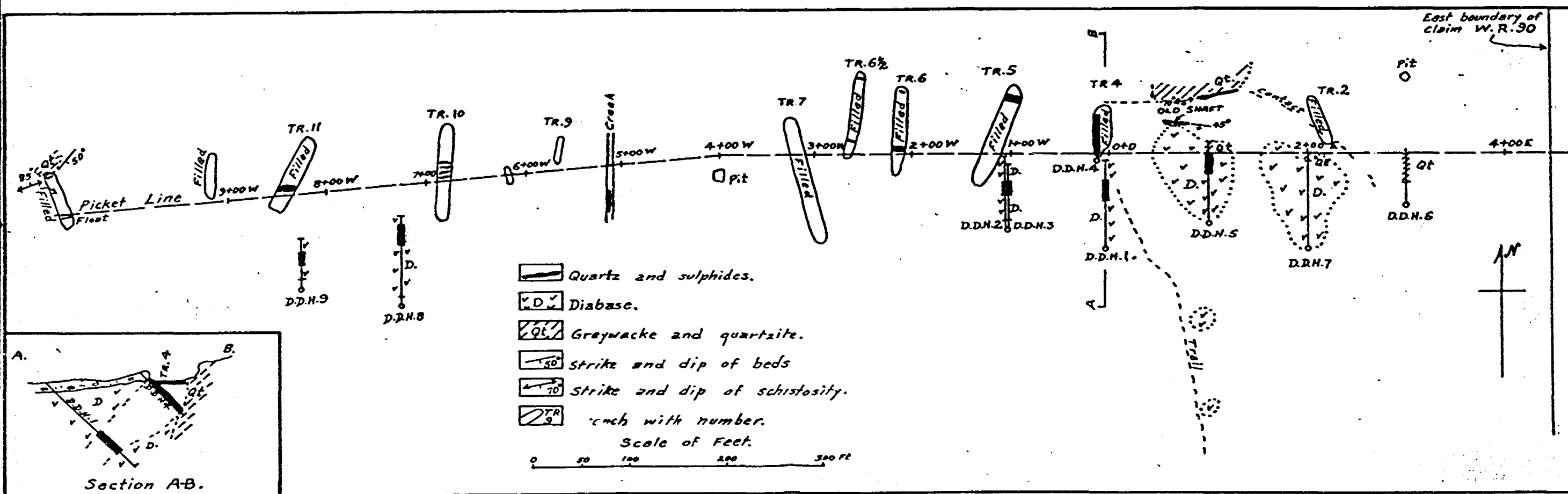
I have prepared a short report, giving figures on the dimensions and grade of the deposit as stated by E. W. Todd and also brief reference to the recent drilling.

I wish to thank you for releasing this information to the Government.

Yours very truly,

J. E. Thomson
Assistant Provincial Geologist

encs.



Geological map of the lead-copper-silver showing of Silver Chief Mines, Ltd. on claim W.R.90, Turner township.
 (Modified after drilling data of Coniagas Mines, Ltd, July, 1949.)

Marconi Twp.

TURNER TWP
SCALE: 1" = 400'

SILVER CHIEF

W.R. 50
Ref. No. 3912
File 142932
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358394	358381	358380	358367	358366	358
358393	358382	358379	358368	358365	358
358392	358383	358378	358369	358364	358
358391	358384	358377	358370	358363	358
358390	358385	358376	358371	358362	358
358389	358386	358375	358372	358361	358
358388	358387	358374	358373	358360	358
358397					358

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