

RED ROSE TUNGSTEN (ROCHER DEBOULE)

This deposit consists of a quartz vein mineralized with a small amount of scheelite and wolframite. The vein is exposed for a horizontal length of 330 feet and for a vertical distance of approximately 60 feet. It varies in width from  $1\frac{1}{2}$  feet to 6 feet.

The vein occurs in a diorite sill, approximately 500 feet thick, that lies in sediments. The sediments consist of quartzitic "tuffs?" with interbeds of shaly rocks.

I saw material definitely recognizable as scheelite only at the south-easterly/<sup>end</sup> and approximately 50 feet from the north-easterly end of the vein. However, the Trail assays on Davis' sketch indicates that the scheelite must be more continuous along the vein than I have seen.

South-easterly beyond the last exposure, the vein goes under talus, and I think is probably terminated by a fault that comes up a draw across the strike of the vein. North-westerly, the vein goes under slide-rock and neve', and I think will probably die out as it leaves the diorite sill for the less competent quartzite-shale argillite group of sediments that lie in this direction.

I have just received the assay returns on samples taken by me on the quartz-scheelite vein. Of the 8 samples (Nos. 18-E to 25-E, incl.) taken on this vein, all but one, a selected dump sample, assayed nils and traces in  $WO_3$ . The Davis sketch shows that the 11 samples taken by Trail over the same length of vein assayed: 3.6; 2.6; 4.6; 1.5; 5.3; 3.4; tr.; 1.2; 0.4; 1.6; 5.5; per cent.  $WO_3$ . I am at a loss to explain the discrepancy. The scheelite must indeed be patchy in its occurrence.

Red Rose Tungsten (cont'd)

C.M. and S. is at present putting down some short diamond drill holes across the vein; these holes should give some added information about the scheelite content of the quartz vein.

1939

DEPARTMENT OF MINES



OFFICE OF THE CHIEF MINING ENGINEER  
VICTORIA

Confidential.

October 20th, 1939.

10924

Dr. John F. Walker,  
Deputy Minister of Mines,  
VICTORIA, B.C.

DEP'T. OF MINES  
Rec'd. OCT 21 1939  
Referred to *JFW*  
Ans'd. \_\_\_\_\_

Sir,

re Tungsten:  
Red Rose Group, Hazelton.

I beg to say that while in Hazelton recently I met Major A.W. Davis, D.S.O., who has an option on the Red Rose group on Rocher Deboule Mountain, near Hazelton.

Major Davis informed me that the property had been examined during the past summer by an engineer of the Consolidated Mining and Smelting Company, Ltd. The assays of samples taken by the latter were communicated to me by Major Davis for the confidential information of the Department, and I enclose particulars of the same in the form of sketches .

Major Davis states that the Consolidated Company's assays "show an average of 2.4% tungstic oxide across about 4 feet for 400 feet, with ore continuing to the north". On the face of it, this appears a really good tungsten prospect. It is however to be borne in mind that it lies at an elevation of about 6400 feet about 1500 feet above timber-line, and there may be one or two mining difficulties to be overcome. I might say that I was at this property in 1925, but at that time the good showings of scheelite were not known to the then owner Chas. Ek, and I did not examine them.

Major Davis informed me that he offered his option to the Consolidated M. & S. Co., but that after examination, that company desired certain alterations in the option to which the owner, Mrs. W.S. Sargent of New Hazelton, was unable to consent. It is my understanding that Major Davis is now free to deal with others. He acquainted me with the main features of the option he holds, which are as follows:-

- Total purchase price - \$35,000.
- Payment of \$100.00 per month to owner during life of option.
- Payment of \$5000.00 due September 1st, 1940.
- Payment of \$29,000.00 (less monthly payments to date) due September 1st, 1942.
- No working clause.

Major Davis will assign this option on the understanding that

(2)

he is paid 4% of returns on concentrates shipped up to \$15,000.00.

I might add that this property is described on pages 44 and 45 of Geological Survey of Canada, Summary Report, Part A, 1924, but at this time I can only presume that the present good exposures of tungsten had not been uncovered.

I am, Sir,

Yours faithfully,

*D. Lay.*  
Mining Engineer.

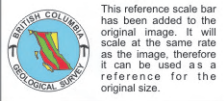
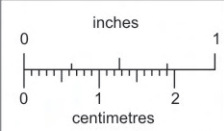
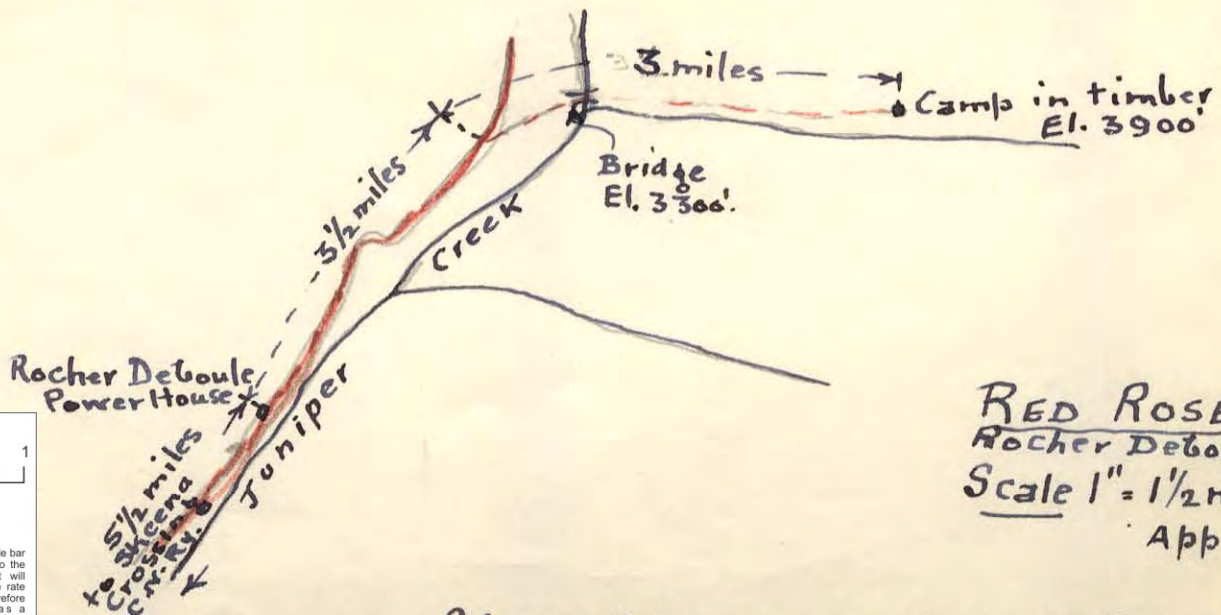
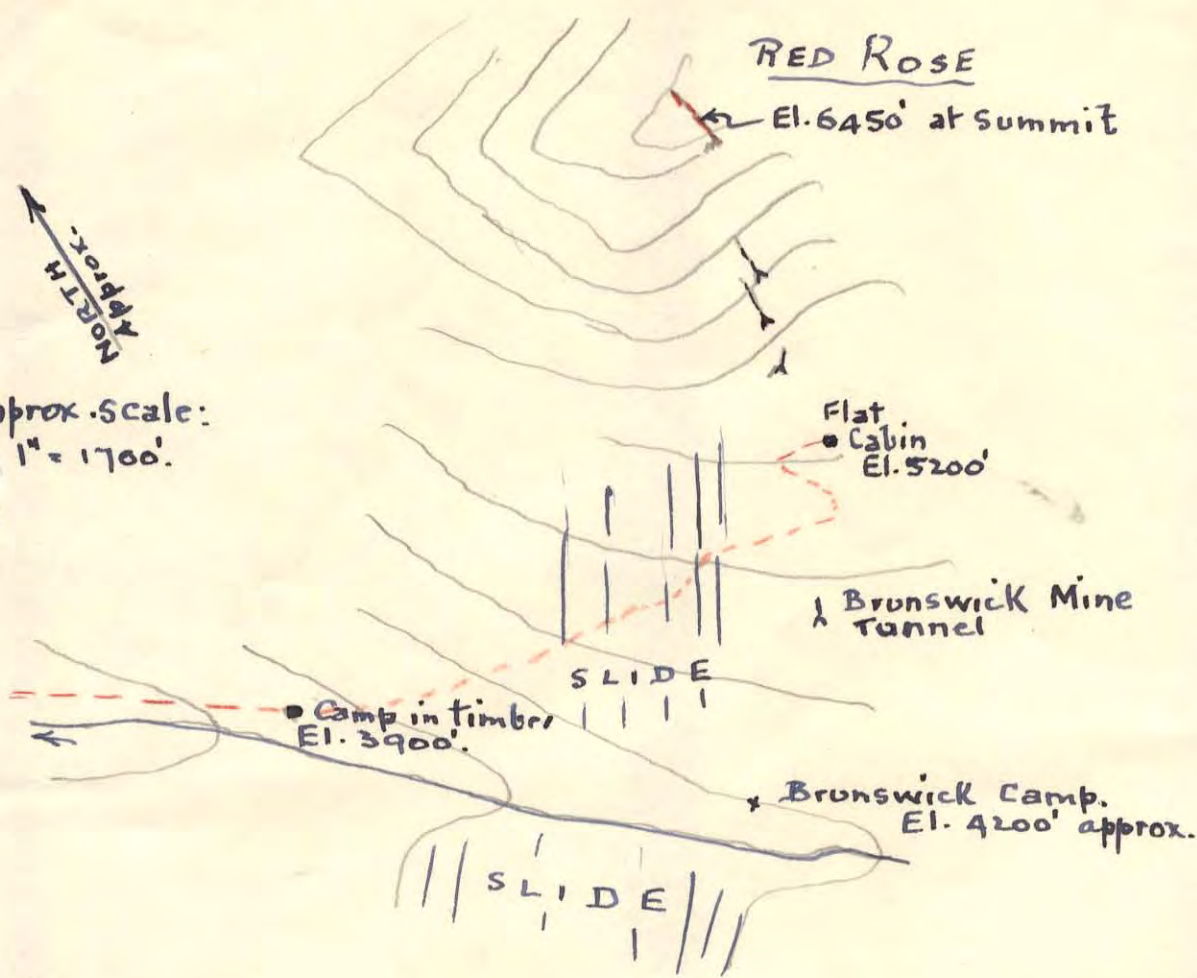
O.I.I.O Basin

RED ROSE

El. 6450' at summit

NORTH  
Approx.

Approx. scale:  
1" = 1700'



RED ROSE  
Rocher DeBoule Mt  
Scale 1" = 1 1/2 miles.  
Approx.

Copy of sketches handed to Lay by Major Davis  
Oct 11/30

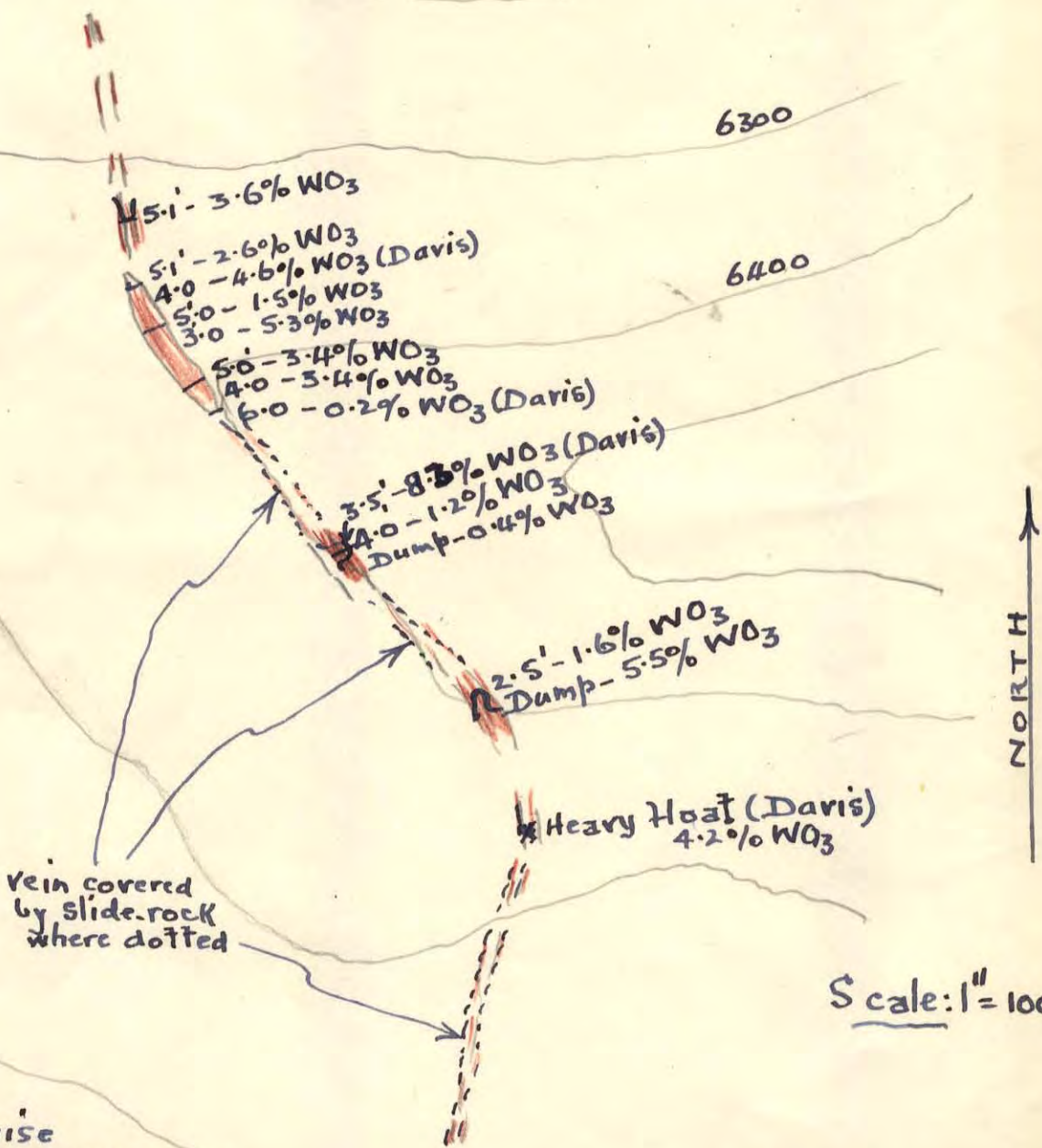
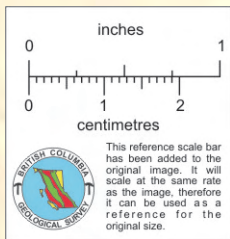


"C.M. & S. Co. assays show an average of 2.4% WO<sub>3</sub> across about 4ft for 400ft with ore continuing to north"

6200

6300

6400



Scale: 1" = 100ft.

Unless otherwise noted, all assays and samples are those of C.M. & S. Co in 1939.

RED ROSE GP.  
Rocher De Boule Mtn.  
Hazelton, B.C.

copy of sketch by Major Davis, handed to [unclear] 1939

COPY

Nelson, B.C.

November 12th, 1939.

REPORT ON

RED ROSE GROUP

Omineca Mining Division

British Columbia.

LOCATION:

This property is located on Rocher De Boule Mountain, near Hazelton, British Columbia. In reaching the group, the old Rocher De Boule Mine road, up Juniper Creek, is used for 9 miles of its length, starting from Skeena Crossing a Station on the Canadian National Railway. A good trail 3 miles long, with easy gradients, takes you the rest of the way to the "Camp in Timber" which is within striking distance of the mine. The Rocher De Boule road is in good shape except for some minor washouts above the old power house site. In extending the road along the existing trail to the "Camp in Timber" or in building a road northerly to Armagosa Creek, a little or no rock work would be involved and it would not be a costly operation to have truck transportation to a point less than a mile from the workings.

HISTORY:

This property was located in early days as a gold prospect. The tunnels shown on the map were driven many years ago on lenses approximately parallel to: but not identical with the tungsten vein located on the summit. Some very intermittently high gold assays were obtained; but very little chance of making a gold mine here was indicated to the writer and apparently to everybody else who has examined this groupe

Visited by various engineers from time to time, the tungsten possibilities of this property were usually ignored.

In the summer of 1928 attention was called to the writer of the interesting tungsten assays being obtained where the vein crosses the summit and it was then sampled by him. Shown on the assay map are the results of his sampling and also those of a previous sampling, marked "Harris." The Consolidated Mining and Smelting Co. of Canada assays, taken in 1939, are also shown.

GEOLOGY: In this area the sedimentary "Hazelton Formation" has been largely penetrated by diorite, which is part of the batholith, taking in most of Rocher De Boule Mountain. This Hazelton Formation extends from the south to the quartz outcrop shown at the south end of the assay map. From here, northerly, along the various exposures of ore, the formation is diorite. The depth of the Hazelton Formation in this locality is shallow, being everywhere underlain by diorite.

The vein has a quartz gangue, with scheelite the prevailing tungsten mineral. According to various authorities this is a typical scheelite deposit, with a good chance of going down. It is also typical in regard to the irregular deposition of the scheelite, high assays and low ones being close together.

GENERAL DESCRIPTION AND PROPOSED DEVELOPMENT:

This group is amply covered by 8 non-Crown Granted claims, called "Tungsten No. 1 to Tungsten No. 8."

Owing to interveining slide rocks and at the time of the Consolidated examination, patches of snow, the sampling of this vein has been necessarily irregular. It would appear obvious, however, that what may be an important deposit of tungsten occurs here. The Consolidated summary, for instance, gives 2.4%  $WO_3$  across 4 feet for 400 feet along the vein, with the ore still continuing to the north. This of course is only an indicated value as the cuts are too far apart and unevenly spaced.

TRANSPORTATION:

Located on a highway or the railway, a cheap mill could be built and concentrates produced without waiting for too much development; but the case is different here.

Skeena Crossing, 15 miles west of Hazelton and a station on the main line of the Canadian National Railway, would be the shipping point for this property. The distance to Prince Rupert, the terminal of this railway on the Pacific, approximates 100 miles.

Getting to within less than a mile from the workings is easy. This only means about four miles of cheap road construction to a point in the timber, where a mill could be built. The gradients throughout to this point are easy. In connection with the new road construction, what looks like the best route would be to branch off the existing trail and make the terminal of the road on Armagosa Creek, as indicated on the map. A short aerial tramway from a tunnel site below the present cuts would connect these two points. A study of the conditions there next spring when what



slides there may be there are down, would be in order here. Another alternative would be to extend the present trail, or road as it would be then, up the creek from the "Camp in Timber" as far as the Brunswick camp, with an aerial tram connecting this point with a tunnel located on the south slope of the hill.

It might pay to break this tram at the cabin on the flat half way up, making two shorter trams out of it.

SUMMARY: Drifting below the showings from which ever side of the hill was decided upon, is clearly indicated, as a preliminary.

In the writer's opinion these showings justify getting a portable compressor up there next season and attacking this development in earnest, with the idea of getting into production as soon as possible, if the proposition stands up.

A.W. DAVIS.

1941

New Hazelton B.C.

April 9<sup>th</sup> 1941

2541

Hon. W. J. Asselstine  
Minister of Mines  
Victoria B.C.

DEPT. OF MINES
Rec'd. APR 23 1941
Referred to.....
Ans'd.....

RECEIVED  
APR 15 1941  
MINISTER OF MINES.

Dear Sir:-

With your announcement, that the department of mines intend to help gold mining in this province in order to increase value of our foreign exchange I wish to draw your attention to the following. The Atlas Steel company of Welland, Ont. is now practically buying all its tungsten requirement in the U. S. A. amounting to hundreds of thousands a year.

I am the owner of the "Red Rose" and Black Prince tungsten properties in the Hazelton district. I have been making an effort with the help of Major A. W. Davis Mining Engineer of Nelson B.C. to get the Red Rose operating as soon as the season permits work to start. your widely advertised Tungsten Bulletin by Dr Stevenson. (John S. Stevenson) of your

27  
department makes it an impossibility  
to raise any money on the Red Rose.  
I may say that Mr Davis is in possession  
of other evidence that the Red Rose is  
worthy of opening up for operation. I  
refer you to A. W. Davis' letter to Dr John  
F Walker Deputy Minister of Mines in  
your department, of March 31<sup>st</sup> 1941. you  
will note the difference in assays. I  
also refer you to Dr E. D. Kindles Report  
1940.

I am herewith asking for  
your financial help to get this property  
opened up as soon as the season opens  
up this year. I need to get the one  
assayed, as soon as that is accomplished  
we can go ahead. I wish to draw  
your attention to the fact that only  
one tungsten property is working in  
B.C. (producing) and all this money  
going into the States with no payroll  
in the district and our properties  
laying idle and being done to death  
by this last report is not getting us  
anywhere, a turn about face is  
most certainly urgent at this time.

I don't know of another Engineer  
who knows the Red Rose property  
better than A. W. Davis. Nelson B.C.

31  
or anyone having more faith in it.  
Mr Davis earned his rank as Major  
in the great war and is a Mining Engineer.  
I don't believe nor do other people here  
believe, he will write a false report  
or give any exaggerated statement in  
this matter. Allow me to suggest that  
Mr Davis be put in charge of the  
operations at the Red Rose under  
the supervision of Dr J. T. Mandy  
of Prince Rupert.

The professional and business  
people of this district wants the  
Red Rose to open up with your  
help. I will later present their views  
on this matter. A portable compressor  
and machines for a small crew would  
be needed for equipment. I have a  
blacksmith outfit, there is a Cabin  
for cooking and dining a tent  
could be used for sleeping during  
the summer months. I have given  
you the straight forward facts and  
hope you will consider all the money  
which has been paid in to your depart-  
ment from this district without  
getting any returns. I never was  
able to get any trail money.



4/ My husband did a lot for mining  
in this part of the country. I know  
I can do what I set out to do,  
namely make the Red Rose a  
profitable producer, however I need  
this help from your department  
you will in time find it money  
profitably spent. Consider also that  
I live in the country and has the  
people and country at heart it's  
not like people coming in from  
the States or elsewhere who bleed  
the country white of anything they  
undertake and the pull aet. and  
have. Hoping to get a favorable  
reply as soon as convenient,

I remain

your truly  
(Mrs) Barbara S. Sargent



2541/41

April 23, 1941.

Mrs. Barbara S. Sargent,  
New Hazelton, B.C.

Dear Madam:

Re: Red Rose Mine.

Your letter of the 9th instant, addressed to the Honourable W.J. Asselstine, Minister of Mines, has been referred to this office.

Dr. John F. Walker, Deputy Minister of Mines, is at present out of the City, but I may say in his absence that the British Columbia Government is proposing to carry on only work of an experimental nature in assisting likely gold mining prospects during the coming season. Endeavours will be confined to properties in and around the Nelson area. Apart from this, the only financial assistance being given by the Department in connection with the development of mining properties is in the way of grants towards construction and reconstruction of mine roads and trails. In case you wish to apply for assistance under the latter heading, I am enclosing a blank form of application, and if you will fill it in in the proper manner and return it to the Deputy Minister of Mines, same will be given consideration.

Yours faithfully,

Chief Gold Commissioner.

Encl.  
JB

**MEMORANDUM**

**1941**

TO Dr. J.F. Walker,  
Deputy Minister of Mines,  
**1821** BUILDINGS.

FROM THE

DEPARTMENT OF MINES,

VICTORIA, B.C. March 27th. 1941.

I herewith append some notes by Dr. Stevenson on Mr. A.W. Davis' criticisms of his report on the Red Rose tungsten property.

I think that Dr. Stevenson is quite correct that a report was a geological one, and due to the trickiness of tungsten deposits a few samples are a poor criterion of the size of the ore deposit.

I am attached Mr. Davis' letter, #1793.

Chief Mining Engineer.

PBF/HG.  
Encls. 2

DEP'T. OF MINES  
Rec'd. MAR 28 1941  
Referred to.....  
Ans'd.....

1793/41.



DEPARTMENT OF MINES  
VICTORIA

March 27th, 1941.

Memorandum for Mr. P.B. Freeland,  
Chief Mining Engineer.

Re: Criticism of my report on the Red Rose  
Tungsten property, by A.W. Davis, in his  
letter of March 24, 1941.

- (1) All the Trail assays were at hand when the report was written. These were taken into consideration in the writing of the report, but were not mentioned specifically because:
  - (a) As I understand it, the Department does not publish assays of samples or drill cores not taken by Departmental engineers.
  - (b) The Consolidated Mining and Smelting Co. in a letter dated September 25, 1940, re. their drilling results, advised as follows:

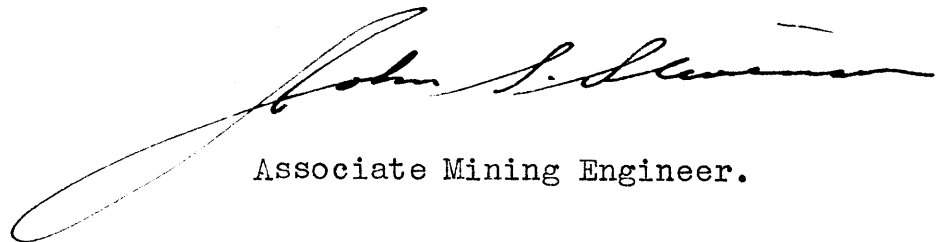
"I do not think that any specific information regarding the drilling should be published without the consent of the owner, Mrs. Barbara Sargent, South Hazelton, B.C."
  - (c) The publishing of numerous high-grade assays would have to be explained rationally in view of the last statement by the Consolidated in the above letter, viz., "We are abandoning our option on the property."
- (2) A complete sampling job as would be carried out by a consulting engineer was never contemplated by me.
- (3) My "scamper" over the mountain entailed four full days of field-work on the property by myself and assistant, the latter not merely following in my footsteps but doing necessary work that doubled the results that would have

Memo. for Mr. Freeland.

March 27th, 1941.

been obtained by the efforts of a man working by himself.

- (4) The cleaning out of No. 5 cut would have involved more than a little snow shovelling. At the time of my examination, this cut measuring approximately 19 feet long by 6 to 8 feet wide by 8 feet or so deep at the face, was filled by snow plus several feet of ice. (my comment on page 47 is "was filled with snow and ice"). The cleaning out of the ice would have required considerable pick-work plus the use of powder, none of which was available.
- (5) In conclusion, anyone adequately familiar with the spotty habit of scheelite and ferberite would place more confidence in an adequate geological description of the occurrence rather than in the quotation of a few high-grade assays. Were other conditions favourable, the absence of these assays is not going to influence such a person adversely or reading this report, which I think deals fairly generously with the property. I think that an intelligent appraisal of the report will show that the property, <sup>on</sup> the merits of the occurrence alone, apart from the fact of its tough location, is by no means so badly damned as Davis suggests.



Associate Mining Engineer.

JSS/HG.

1940

2314

A. W. DAVIS  
MINING ENGINEER  
914 STANLEY STREET  
NELSON, B. C.

March 23<sup>rd</sup> 40

Dr Walker  
Deputy Minister of Mines  
Victoria B.C.

DEPT. OF MINES
Rec'd. MAR 26 1940
Referred to <i>JW</i>
Ans'd. _____

Dear Doctor Walker,

I find that I neglected  
to send you assay plan of that  
Tungsten property near Hazelton,  
as I promised to do when in your  
office last winter & herewith

enclose it. I have the Trail assay plan in my  
files here from which the figures  
shown as from Trail are taken.

With kindest regards,

I remain

Yours sincerely

A. W. Davis