82G/4W
82G/SW-21

Midway
Aldridge Siding
Moyie

003524

July 25th, 1938.

R. J. Maconachie, Esq.,
Associate Mining Engineer,
NELSON, B. C.

Dear Roy:

In accordance with yours of July 7th, I attach information from my notes re the Midway prospect at Aldridge Siding.

As you doubtless know the principal owner is John Leask, Magistrate, at Cranbrook. O'Grady reported upon the property and you will find his reports as follows:- 1933/202; 1934/E51. It does not appear to me that Rice reported on the Midway. Todd gave me a white print of the plan at 20 feet to the inch I think, and I believe I left it in Nelson. I think the Nelson files include a report by Dr. Victor Dolmage.

I hope the information may be of some use. I have not got my personal files organized here yet so have not been able to locate all the dope. I had copies of the assays so that information is included. Two specimens were polished and studied microscopically in Victoria. I have not found the reports but they are identified by the following numbers and Miss Humphry will doubtless be able to turn up copies of the reports re microscopic study:

11-82-2 Specimen sulphide from hanging-wall section, 3rd stope from portal. Sample assayed: Gold, 0.98 oz. per ton; silver, 1.0 oz. per ton.

11-85-1 Specimen obtained from Todd said to be from same stope. Part of specimen assayed: Gold, 0.56 oz. per ton; silver, 2.6 oz. per ton; lead, 0.85 per cent.; zinc, 3.4 per cent.

Yours very truly,

H. Sargent
Mining Engineer

NOTES RE

M I D W A Y P R O S P E C T

AT ALDRIDGE

Ref. H. Sargent - 11-80 to 11-85
August 24th, 1937.

The property is developed by some surface cuts and by an adit drift about 1,275 feet in length. (Distances are not exact.) The workings are situated on the steep slope to the south rising above the highway. The cuts are early work and are caved in part. The adit was started several years ago and I believe has not been advanced since early in 1935. Some ore was shipped to Trail in 1934 or 1935 and shipments were made to Kellogg, Idaho, in March 1937. Data from the Kellogg settlement sheets is as follows:-

		1	2
Lot Number	.....		
Dry Weight	.....	30.7 tons	26.3 tons
Assay: Au.	.....	0.493 oz/ton	0.527 oz/ton
Ag.	.....	2.27 oz/ton	1.93 oz/ton
Cu.	.....	0.3 per cent.	0.1 per cent.
Pb.	.....	1.0 per cent.	1.4 per cent.
Fe.	.....	14.9 per cent.	15.5 per cent.
Insol.	..	61.2 per cent.	60.8 per cent.
S.	.....	15.4 per cent.	16.4 per cent.
Zn.	.....	0.9 per cent.	1.0 per cent.
Sb.	.....	0.4 per cent.	0.3 per cent.
As.	.....	2.18 per cent.	1.73 per cent.

A report on metallurgical testing of ore from the property appears in "Investigations in Ore Dressing, January-June 1934".

The workings develop a persistent vein of northerly strike and easterly dip which appeared to me, generally, to cut the bedding of the enclosing argillaceous quartzite wall-rocks at small angles. The vein dips from 30 degrees to 50 degrees easterly. The vein filling consists of crushed wall rock, quartz and sulphides. The sulphides consist principally of pyrite and arsenopyrite with some chalcopyrite, and occasionally galena or sphalerite. Values appear to be closely related to the sulphide content. Moderate values in gold and silver occur in heavy sulphide mineralization. The vein width varies from about 1 foot to more than 6 feet. Much of the wider sections consist of sparsely mineralized quartz but there are sulphides in disseminated grains and as lenses or stringers. The sections of the vein carrying attractive values are heavily mineralized. I visited cuts

at various points to a total distance of 800 feet up the steep slope from the adit. At this point two samples were taken. The vein at this point is decomposed and rusty.

	Au.Oz/ton	Ag.Oz/ton	Pb/%	
5520A	0.12	Trace	Nil	22 inches normal to dip hanging-wall 0 to 22 inches.
5521A	0.12	Trace	Trace	12 inches normal to dip hangingwall 22 inches to 34 inches.

The adit starts on the vein and has been driven as a drift. However, the vein has been subject to minor faulting and at some points is not followed closely. Considerable sections of the adit have been timbered and lagged. The adit is quite crooked in some sections probably much more crooked than the vein is. There is a crosscut to the east at about 125 feet from the portal. To this point the vein matter is rusty. A small stope was opened in this section. At the portal the wall rock strikes North 60 degrees West and dips 25 degrees north-easterly. The vein strikes north 35 degrees west and dips about 40 degrees north-easterly.

At about 270 feet from the portal there is a crosscut going about 20 feet to the west. At the face the vein width was about 2 feet and carried fair sulphides:-

Sample 5526A Au. 0.11; Ag. ~~0.08~~ 0.9 - 26 inches with fair sulphides from face of crosscut.

The vein in the crosscut strikes north 20 degrees east and dips 35 degrees easterly.

From this crosscut northerly for about 600 feet the drift is crooked and is lagged for most of the distance. Then there is a 40-foot section averaging about 3 feet with quite heavy sulphide. In this section a stope 30 feet in length was up a few feet.

For the next 130 feet the shear is from 1 foot to 2 feet wide and is filled with crushed wall rock and quartz containing very little sulphide mineralization. The vein then widens to a maximum of about 6 feet of quartz at the hanging-wall of which there is a good sulphide band and this has been stoped for a length of 25 feet. The stope is about 3½ feet wide and low-grade quartz has been left on the foot-wall. I sampled the back of the stope and also the quartz below it in the drift wall.

Sample No.	Au.Oz/ton	Ag.Oz/ton	
5524A	0.98	1.0	9 inch sulphide band - hanging-wall 0-9 inches.
5523A	0.03	Trace	32 inches quartz - hanging-wall 9-41 inches.
5526A	0.11	0.9	4 feet vertical cut projected width normal to dip 39 inches taken from drift wall below stope.

At about 90 feet past the stope I took

Sample 5522A 0.02 oz.Au/ton, trace silver, across 20 inches quartz with some sulphides.

In the last 100 feet the ground is broken and the vein is narrow.

EASTERN MINERAL SURVEY DISTRICT NO. 5

THE GOVERNMENT OF THE PROVINCE OF BRITISH COLUMBIA

RESIDENT ENGINEER'S OFFICE

NELSON, B.C. July 7th, 1938.

DEPARTMENT OF MINES

H. Sargent, Esq.,
Mining Engineer,
304 Federal Building,
VANCOUVER, B.C.

Dear Hartley,

Thank you for your letter of the 4th.

If it is convenient I would very much appreciate your notes on the Midway as it is one of the things I have been asked to look at under the aegis of the Cranbrook Prospector's Association.

Also thank you for the information regarding the G.S.C.publications which I will obtain at once.

With best wishes,

Yours very truly,

Roy J. Maconachie.
Associate Mining Engineer.

H.

1915 Haro Street,
Vancouver, B. C.,
June 29, 1938.

Mr. Sargeant,
Resident Government Mining Engineer,
Nelson, B. C.

Dear Sir:-

Mr. Glen A. Todd, former manager of the Moyie Mine, near Moyie B. C., suggested that I write you regarding the above mentioned property.

Some of Mr. Todd's statements were very interesting, such as stating there were a minimum of some 250,000 tons of ore well indicated having an average value of approximately 0.40oz gold, He also stated there was a drift some 1,300 feet long, showing continuous ore for the whole distance, and that the vein averaged about four feet in width.

If you could either confirm or deny the statements made above the information would be of much value to me. If correct it is highly probable that my a ssociates would interest themselves in the proposition and might even erect the mill suggested.

A reply from you will be awaited with much interest.

Very truly yours,

T.E.Arnold

T.E.Arnold

Midway mm 33/202
34/E31
35/E27

July 4th, 1938.

R. J. Maconchie, Esq.,
Mining Engineer,
Nelson, B. C.

Dear Roy:

Thank you for yours of the 2nd. I have replied to Arnold as per attached copy.

If you would like the results of my visits to the Midway I will put the notes in shape for you.

In case you have not received copies of the following G. S. C. publications I would advise that they are available from the G. S. C. office in this building.

Preliminary Report, Nelson Map-area
Paper 37-27 - Published 1937

Preliminary Report, East half of Nelson Map-area. Paper 38-17.

With best wishes.

H. Sargent
Mining Engineer.

July 4th, 1938.

T. E. Arnold, Esq.,
1915 Haro Street,
Vancouver, B. C.

Dear Sir:

Your letter of June 29th has been forwarded to me by R. J. Maconachie who is now in charge of the Nelson office.

The property to which you refer is apparently the Midway situated near Aldridge Siding. Mr. G. A. Todd was in charge of the property last fall.

The following references are to published reports on the property:-

Annual Report, B.C.Minister of Mines, 1933 page 202
Annual Report, B.C.Minister of Mines, 1934 page E 31
Annual Report, B.C.Minister of Mines, 1935 page E 27

As indicated in the reports the property has been prospected by surface workings and by an adit level and some ore has been shipped.

The adit level is principally a drift on the vein. Since the latest published report the drift has been advanced a considerable distance and some ore was shipped last year. Mr. Todd has a plan showing the drifting to some time last year. He has doubtless given you the details regarding shipments.

I paid two short visits to the property and did some sampling but have not written a report.

Yours very truly,

H. Sargent
Mining Engineer.