

*Alvija Mines*

673056  
92K/11

July 15, 1969

Mr. I. Todd, President  
Alvija Mines Ltd.  
646 Clark Drive  
Vancouver, B.C.

Gentlemen:

Re: Shirley Creek Prospect, Powell River Area, B.C.

On June 18, 1969 I visited the Shirley Creek Prospect, which is located on the West shore of Phillips Arm about sixty miles northwest of Powell River, British Columbia.

The property is only accessible by float plane and off-loading can safely be done in a protected bay at the mouth of Shirley Creek. An option on the eleven claims that extend down the shoreline is being worked out by Alvija Mines, Ltd.

The area is underlain principally by granite rocks of the Coast Range intrusive complex with a 400 foot wide easterly-striking band of relatively unaltered limestone crossing the claims.

Disseminated molybdenum occurs close to the north limit within the limestone. The hillside above the showing is moderately steep with a heavy cover of vegetation. No outcrops were observed for at least 1,000' east of the shoreline and consequently no strike length of the mineralization can be estimated at this time.

Molybdenite mineralization was observed across ten feet at the contact and in one of the two short adits that are located within 80' of the shoreline showing, specks of molybdenite were seen.

The following samples were taken by the writer during the examination:

<u>SAMPLE NO.</u>	<u>WIDTH</u>	<u>%MO</u>	<u>LOCATION</u>
351	5'	.01	Upper adit 0.5' from portal
352	5'	.02	" " 5 - 10 "
353	5'	.005	" " 10 - 15 "
354	5'	.01	" " 15 - 20 "
356	grab	.01	<u>CU.</u> .02 South contact, py strg.
357	3'	.005	Main showing 0.3' in qtz. monz.
358	10	TR	" " 0.10' in limestone
359	5'	TR	" " 10 - 15 "
360	5'	.005	" " 15 - 20 "
361	5'	TR	" " 20 - 25 "
362	5'	.03	" " 25 - 30 "
363	5'	.005	" " 35 - 40 "
364	20'	.01	Lower adit 0.20' from portal
365	20'	.005	" " 20 - 40 "
366	20'	.01	" " 40 - 60 "

The writer was accompanied by Ivan Todd, President of Alvija Mines Ltd., and C. Soux, Engineer, who took 23 soil samples east of the showings and the adits. Background in the area can be considered to be 0.5 to 1.0 parts per million molybdenum so values of 4 parts per million or better can be considered to be anomalous.

Eleven of the 26 soil samples gave readings of 4 parts per million or better and their location indicates the beginning of a significant anomaly that warrants outlining. Present strike length is about 500'.

Concentrations of molybdenum can be expected to be at or near the monzonite - limestone contact in either rock type.

#### CONCLUSIONS AND RECOMMENDATIONS


Although the original molybdenum showing is rather weak the amount of molybdenum in the small dump is appreciable.

The preliminary soil sampling up slope from the showings shows anomalous values with good continuity.

It is recommended that the property be optioned and additional soil sampling be carried out. A baseline striking N.80°E should be run for at least 3,000' with 1,000 foot crosslines established every 200'. Soil samples should be taken at 100 foot intervals.

Respectfully submitted,

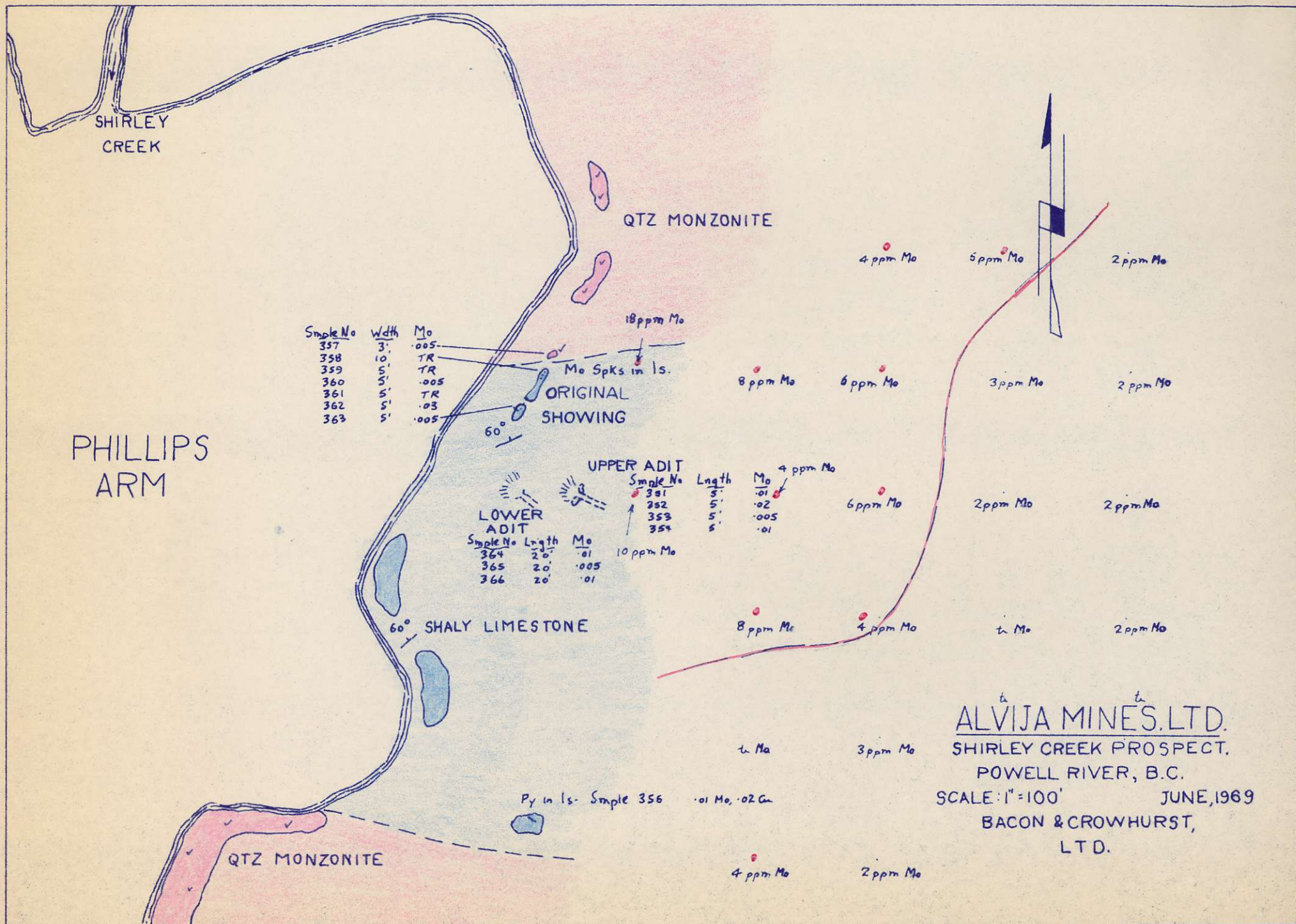
Bacon & Crowhurst Ltd.

R.W.  HENDER, P.Eng.



RWF/gp





ALVIJA MINES, LTD.  
 SHIRLEY CREEK PROSPECT,  
 POWELL RIVER, B.C.  
 SCALE: 1" = 100'  
 JUNE, 1969  
 BACON & CROWHURST,  
 LTD.