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H. J. MINERAL CLAIMS

MacDONALD CREEK

SLOCAN MINING DIVISION

BRITISH COLUMBIA

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Consulting Geologist

August 6, 1967
Nakusp, B.C.

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Summary

A quartz filled breccia zone in limy argillites of the Slocan Series contains small amounts of sulphides. Nine samples taken by the owner averaged 0.33 oz. gold per ton and 61.7 oz. silver per ton. Two tunnels 80 feet apart in elevation have outlined 2,000 tons with a gross value of approximately \$200,000.

Location

Latitude 50°15' Longitude 117°50' Elevation 2,400'

The claims are 6.5 miles south of Nakusp to Slewiskin or MacDonald Creek on Highway 6 then 1.5 miles up the south fork of Slewiskin Creek on a good logging road.

The C. P. R. has a railway line to Nakusp used for freight.

Claims

Eight located claims "H. J." numbers 1 to 8, recorded July 1967.

The claims are owned by Mr. F. D. Jordan of Nakusp.

General Geology

Limy argillites, argillaceous schists and limestones of the Slocan Series are intruded by porphyritic granites similar to the Kuskanax or Nelson batholiths of the Slocan area.

Small good grade silver bearing quartz and sulphide veins have been profitably mined in the Slocan and the claims are on the extension of the belt to the northwest. The veins are similar to those further south.

Claim Geology

The claims are overburden covered and outcrops are scarce. They are Slocan Series massive and thin bedded limy argillites, slates and schist. They strike northwest and dip 40 to 50° to the southeast.

The surface work and the tunnels expose a west to northwest striking quartz filled stringer or breccia zone 1 to 15' in width.

The quartz is well fractured and contains bunches and disseminations of galena, sphalerite, tetrahedrite and chalcopynite. Native silver has been seen in picked samples. The vein has not been traced beyond the workings but float occurs along the extensions and float of a replacement type in limy

rocks occurs in several places.

Ore Deposit and Development

The quartz vein was found on the surface by stripping and explored by a short tunnel 15 to 20' below the outcrop. A 22' winze was sunk from this tunnel and it traced the vein down the dip.

A second tunnel 80' below crosscuts the vein and exposed the breccia zone over a length of 155'.

Values and width of quartz are variable and are not fully known. The following samples have been taken by Mr. Jordan:

Upper Adit 158.0 oz. silver

Winze Bottom 101.0 oz. silver

Lower Tunnel

	<u>Width</u>	<u>Gold</u>	<u>Silver</u>	<u>Copper</u>
Face	4'	1.72oz.	88.8 oz.	2.11%
Crosscut	2'	--	18.0 oz.	--
Drift	2'	Tr.	0.8 oz.	--
Drift	3'	Tr.	0.9 oz.	--
Drift	2'	Tr.	0.14 oz.	--
Drift	3'	0.13 oz.	331.2 oz.	0.78%
Drift	0.5'	--	180.0 oz.	--

These average 2.44' in width 0.33 oz. gold per ton, 61.7 oz. silver per ton.

The lead, zinc and copper values are not accurately known.

The workings have blocked out an average length of 105' over a depth of 80' or 2,050 tons. Some development ore has been sacked for shipment.

Economics


The deposit is tributary to the Trail Smelter where siliceous ores are purchased for fluxing. Freight costs to the smelter are nominal and there are no treatment costs.

Development cost to date is slightly under \$20,000.

Conclusions

The claims are in a relatively unexplored section of the Slocan ideally situated for relatively cheap mining. They cover a quartz breccia zone with a developed body containing 2,000 tons with a gross value of approximately \$200,000.

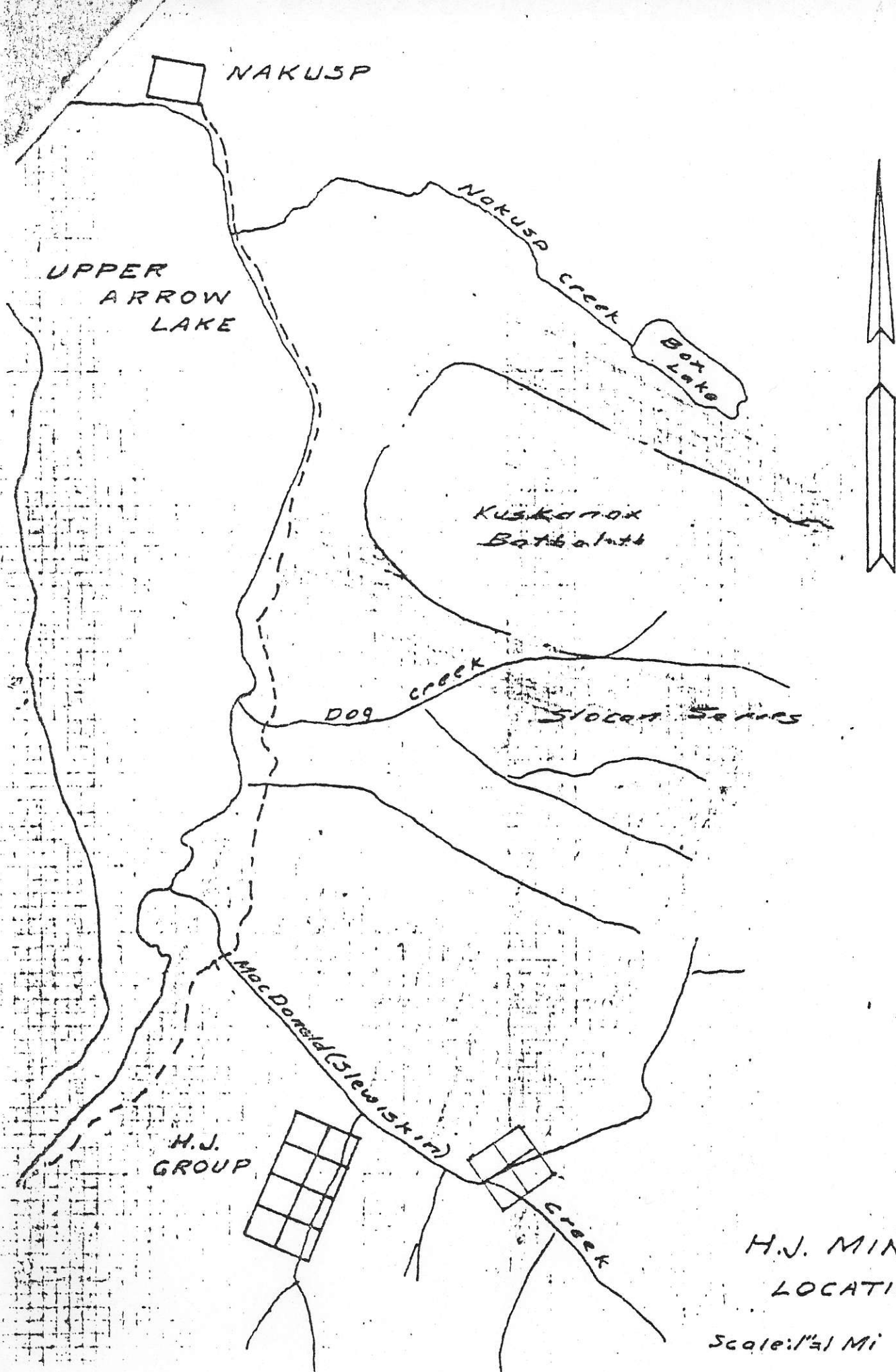
Mr. Jordan wishes to sell the claims for his expenditures of \$20,000 plus an interest in an operating company.



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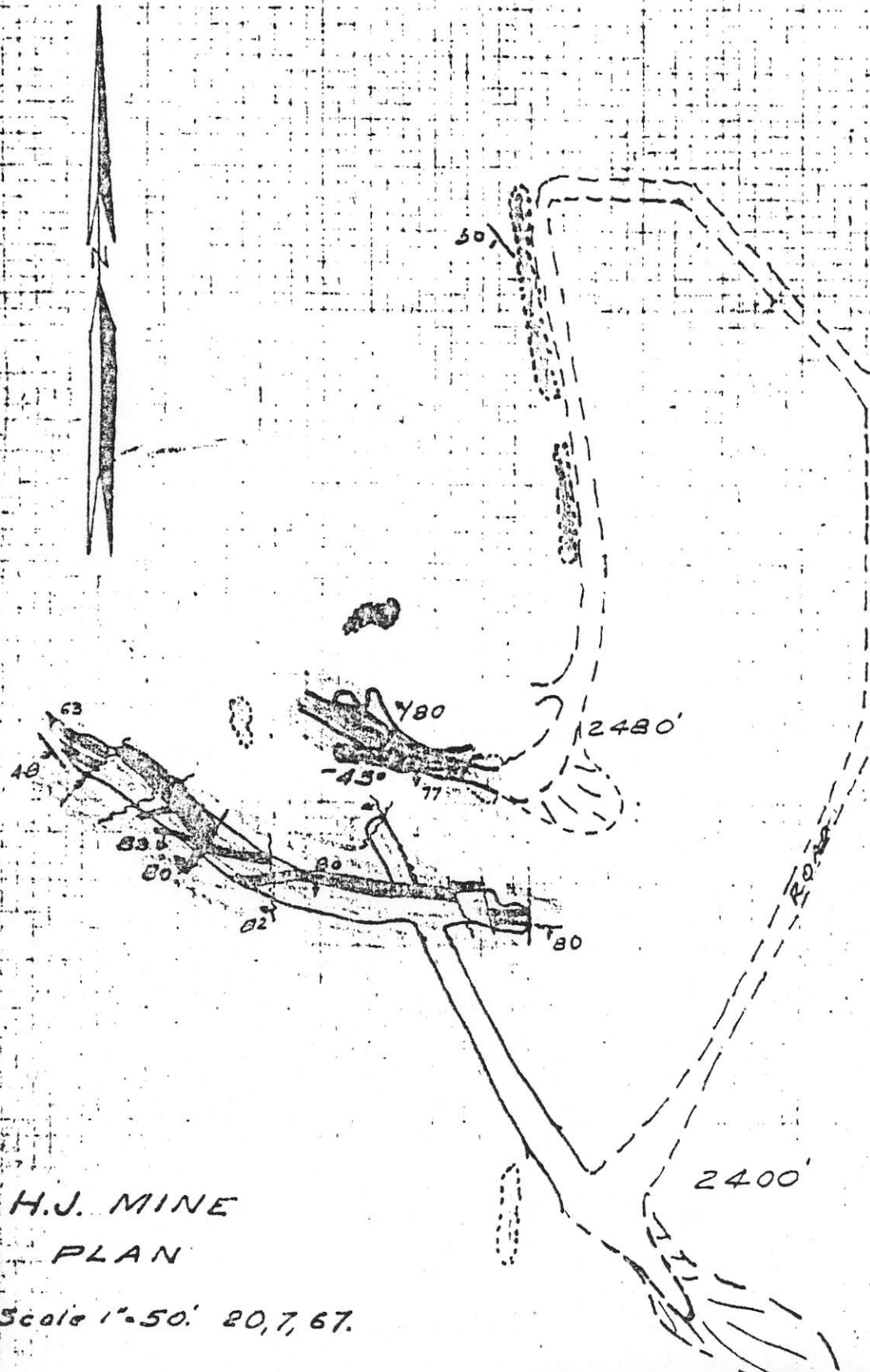
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H.J. MINE CLAIMS
LOCATION MAP

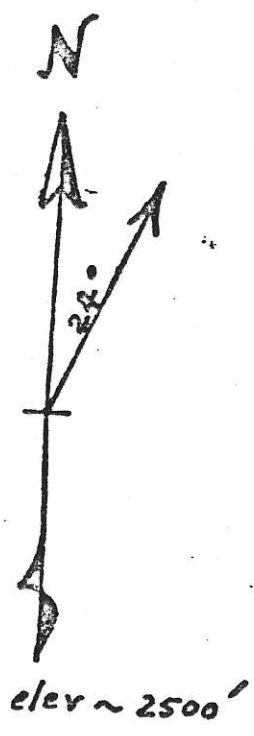
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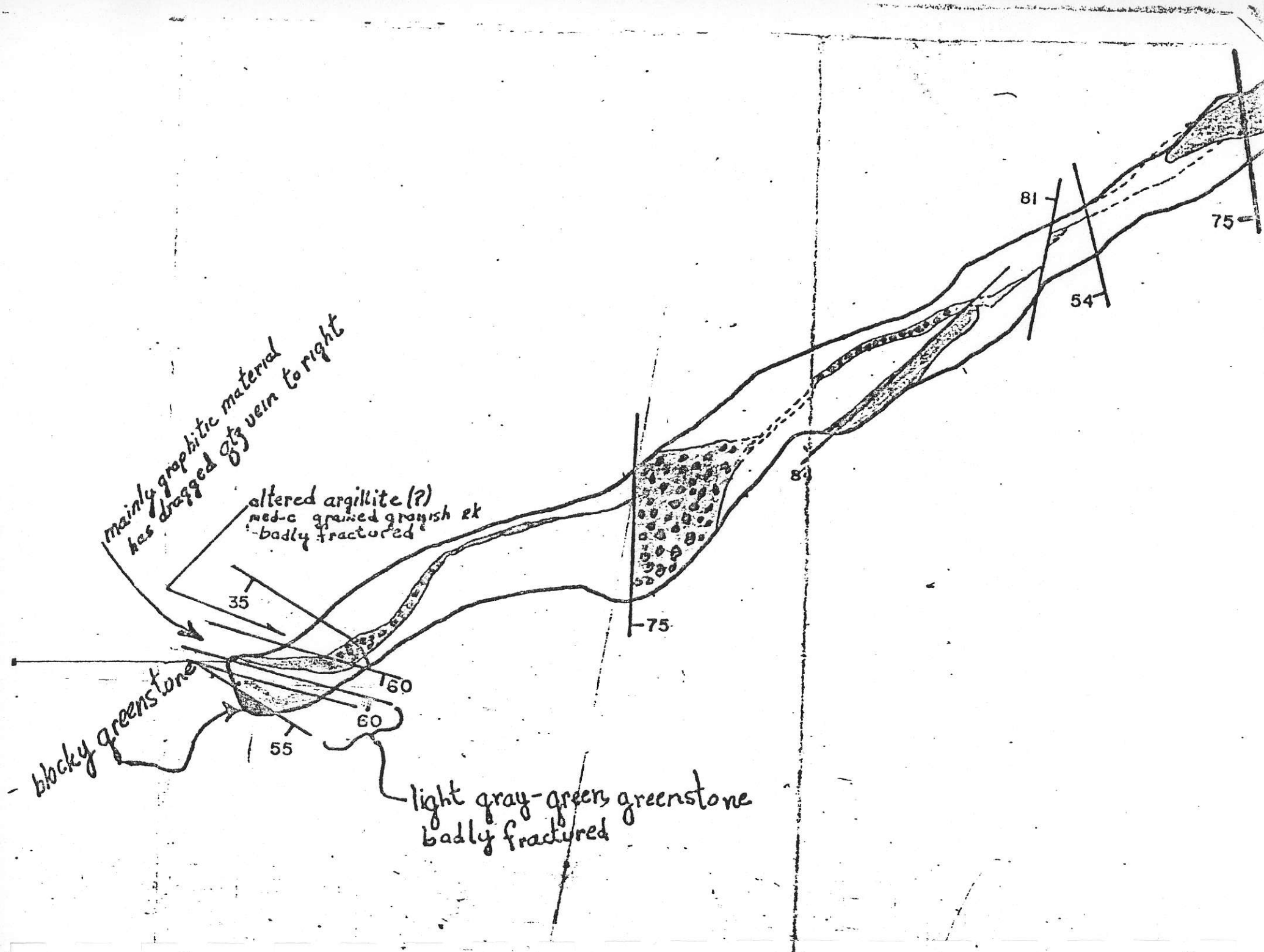


- LEGEND**
- Limy Argillite [stippled pattern]
 - Quartz [dotted pattern]
 - Fault [dashed line]
 - Strike & Dip [line with arrow and angle]
 - Shaft [square with dot]
 - Outcrop [dashed circle]

H.J. MINE
PLAN

Scale 1" = 50' 20, 7, 67.





mainly graphitic material
has dragged quartz vein to right

altered argillite (?)
med-c grained grayish rk
badly fractured

blocky greenstone

light gray-green greenstone
badly fractured

35

55

60

160

75

80

81

54

75

GEOLOGY of the H.J. MINE

NAKUSP, B.C.

plan view

scale: 1" = 10'

Mesozoic sediments (mainly argillites)

Quartz vein



cont. argillite breccia

Greenstone

COMPILED BY: R.G. FRIESEN B.Sc.

155
150
145
140
135
130
125
120
115
110
105
100
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