

MEMORANDUM FROM E. W. Gro, Sr. Geologist,
Geological Division,
Mineral Resources Branch

TO J. S. Poyen, Director,
Mineral Development Division,
Operations Branch

004098

THE DEPARTMENT OF

PARLIAMENT BUILDINGS, VICTORIA, BRITISH COLUMBIA V8V 1X4

DATE August 29th, 1975

RE: Duncan Claim - Leighton Proposal.

The results of Mr. Addie's evaluation and sampling of the Leighton property indicate the vein structure is discontinuous and that the gold - silver content is scarcely high - grade. The property also appears to require considerable exploration effort in order to find any possible vein extension as outlined by Addie.

I suggest that the property is not worth any further consideration at the present time.

EWG/crd

cc: J. E. McMynn ✓

ATTACH: (1)

DEPUTY MINISTER OF MINES
& PETROLEUM RESOURCES

REC'D SEP 2 1975 1258 ✓



REFERRED	TO	DATE	INITIAL
ACCTS			
A. D. M.			
A. D. P.			
M. R.			
E. & P.			
A. D.			

THE GOVERNMENT OF THE PROVINCE OF BRITISH COLUMBIA

FILE

mining properties





MINERAL RESOURCES BRANCH
DEPARTMENT OF MINES AND PETROLEUM RESOURCES
Nelson, B.C.

August 21, 1975.

To: Dr. Ted Grove
From: George Addie,
District Geologist, Nelson, B.C.

Re: Bob Leighton's Proposal on L.3472 "Duncan"
claim visited July 29, 1975.

Communications: Monthly report August 1, 1975. Lardeau - Mr. Robert Leighton of Sorrento, B.C. I was beginning to have my doubts. First of all I was to meet him at Nakusp for a flight to the Duncan claim. Then plans were changed so that I would be picked up at Nelson. This was fine until I asked the pilot who was paying. I was! So after a flurry of phone calls this was straightened out and I went to Nakusp only to have a "No show". Communications, you understand, were not the best. Finally we made contact and I saw the Duncan Claim on July 29. The assays will tell but I suspect this is a small "high grader's" prospect and not of a mine category. I was able to get to the top of the mountain, but Mr. Leighton declined my offer of an all-purpose nylon boat line for climbing purposes. All flight charges were picked up by Mr. Leighton.

Location: The adit is at approximately 8000 feet ^{at} half way up a cliff. Two climbing attempts were made to reach the adit but failed. I suppose when the adit was made the glacier was at or near adit level.

Access: Old trails are available from Healey Creek and Hall Creek. Many washouts were seen from the air. It would be quite expensive to build new bridges and re-cut the road through slide areas.

General Geology: The vein is in phyllite schists of the Index Formation. Other veinlets were seen which had extensive boudinage. It is expected that the main vein would also have this pinching and swelling characteristic making it very hard to prove up tonnage figures. Thus, although the vein can be seen on the cliff face it is gone on the crest. Mr. Leighton believes the vein extends under the glacier.

PROPERTY FILE

82KNW050

Dr. Ted Grove

August 21, 1975.

Perhaps so, but a considerable amount of drilling would be needed to prove this theory. Because of the schists the chances are only fair that an extension of the vein can be found.

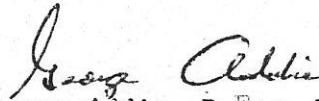
Assays: Samples 3987 and 3988 were sent to our Lab. on July 30, 1975. A "rush" was put on them, but as yet no results are available.

Conclusion: It is impossible to make a valid conclusion on this property without assays. *

The following temporary conclusions are presented:

1. A VLF EM 16 survey is needed to see if there are indications of a vein under the glacier.
2. The location, access, and nature of the vein (in schists) render the likelihood of this prospect being of economic interest to the B.C. Government as very low. This could be changed, of course, with "dramatic" assays. (Unlikely)

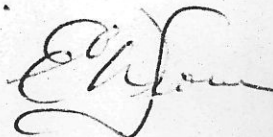
Yours truly,



George Addie, P.Eng., P.Geol.,
District Geologist.

GA/hr

* Note: assays received after report submitted.
- see enclosed sheet
Samples 1578114 }
1578214 }





DEPARTMENT OF MINES AND PETROLEUM RESOURCES
VICTORIA

SAMPLE RECEIVED FROM..... GEORGE ADDIE.....

ADDRESS..... 310 Ward Street, Nelson, B. C.....

LABORATORY No.	SUBMITTER'S MARK	LABORATORY REPORT
15778M	3983	Au - 1.06 oz. per ton Ag - 0.8 oz. per ton Hg - <5 ppb
15779M	3985	Au - Tr Ag - Tr Hg - 30 ppb
15780M	3986	Au - Tr Ag - 2.7 oz. per ton Hg - 2000 ppb Zn - 4.63% Pb - 9.20% Cu - 0.01%
<i>Duncan vein</i> { 15781M	3987	Au - Tr Ag - 1.1 oz. per ton Hg - 98 ppb
15782M	3988	Au - Tr Ag - 2.7 oz. per ton Hg - 124 ppb
15783	3989	Au - Tr Ag - 7.7 oz. per ton Hg - 250 ppb

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FOR PROMOTIONAL OR ADVERTISING PURPOSES.

DATE..... August 19, 1975.....

W. G. J. Jones
.....
CHIEF ANALYST AND ASSAYER.



July 29, 1975

Photo by G. Addie.

Duncan claim - Robert Leighton.



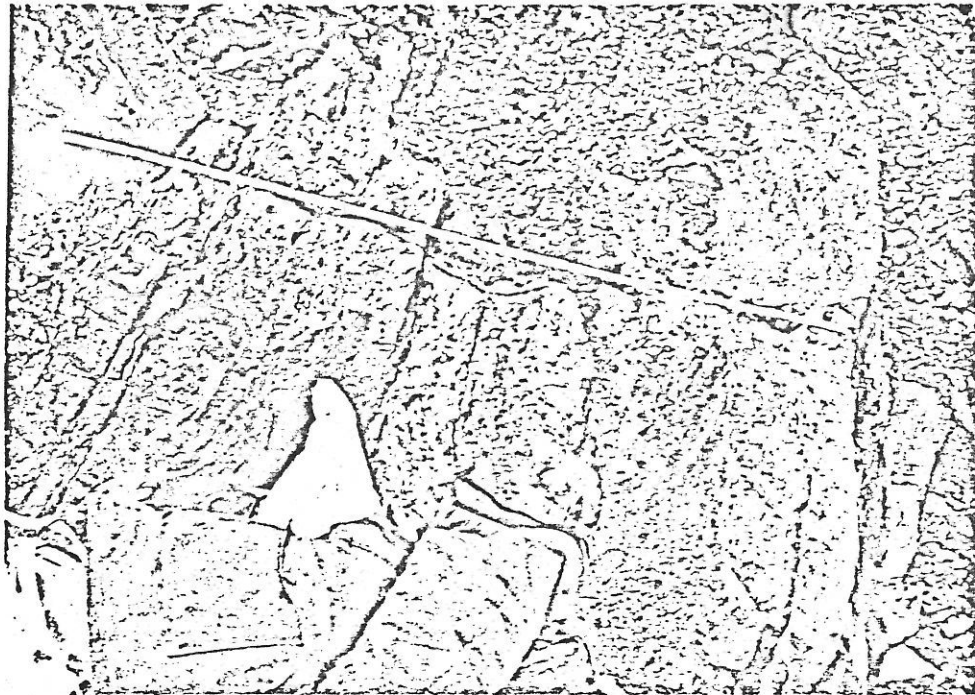
July 29, 1975

Photo by G. Addie.

Lardeau vein 5 - 10-foot. Rule marks where
sample was taken.



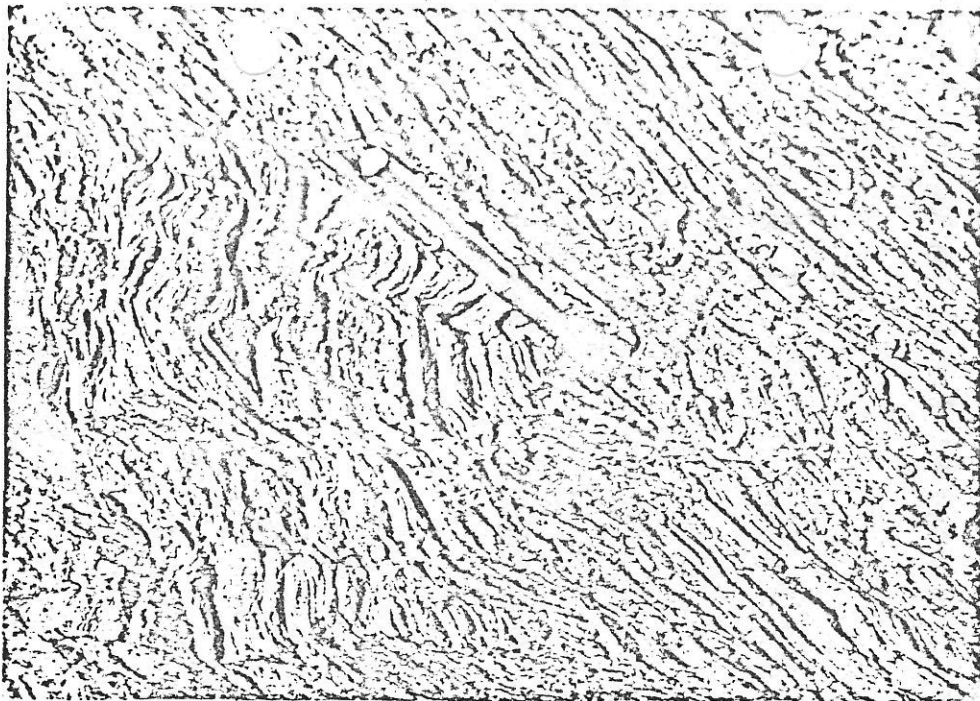
Lardeau vein closeup showing galena.



July 29, 1975

Photo by G. Addie.

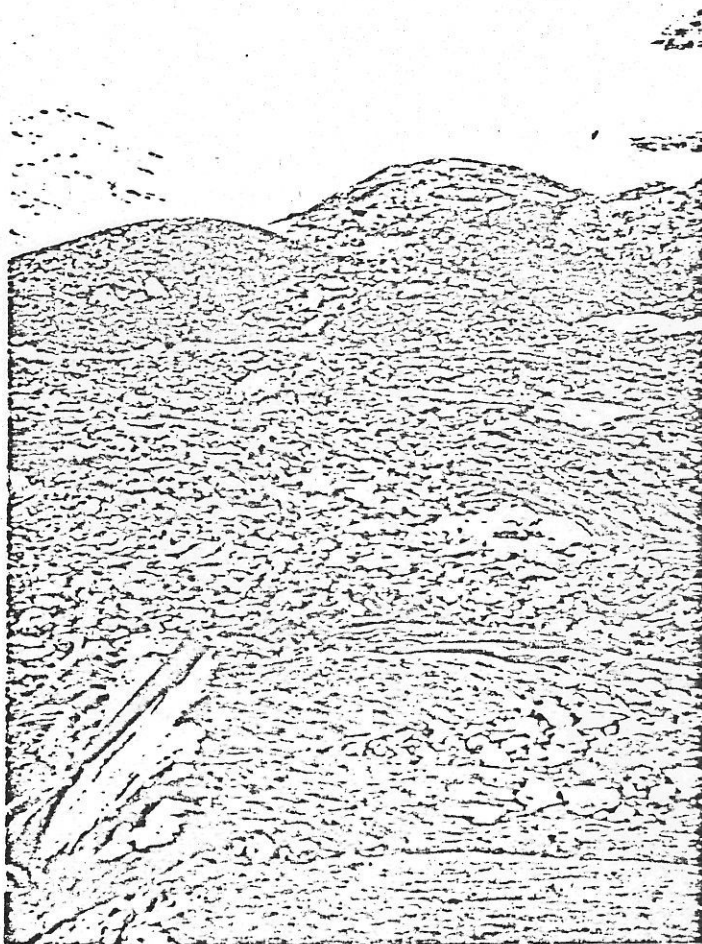
10-foot wide quartz vein below Lardeau adit
at glacier elevation, 8000 feet. $N30^{\circ}W - 63^{\circ}W$.
F.W. slates (graphitic) $N70^{\circ}W - 77^{\circ}S$. Tension
joint on F.W. $S75^{\circ}W - 32^{\circ}N$. Rule is 5 feet long
marking where 0-5' sample was taken.



July 29, 1975

Photo by G. Addie.

Kink folds A.P. $N70^{\circ}E - 72^{\circ}N$ plunge $62^{\circ}N.E.$



July 29, 1975

Photo by G. Addie

Tension joint with galena $N20^{\circ}E - 51^{\circ}W$ in phyllites
and limestones.



July 29, 1975

Photo by G. Addie.

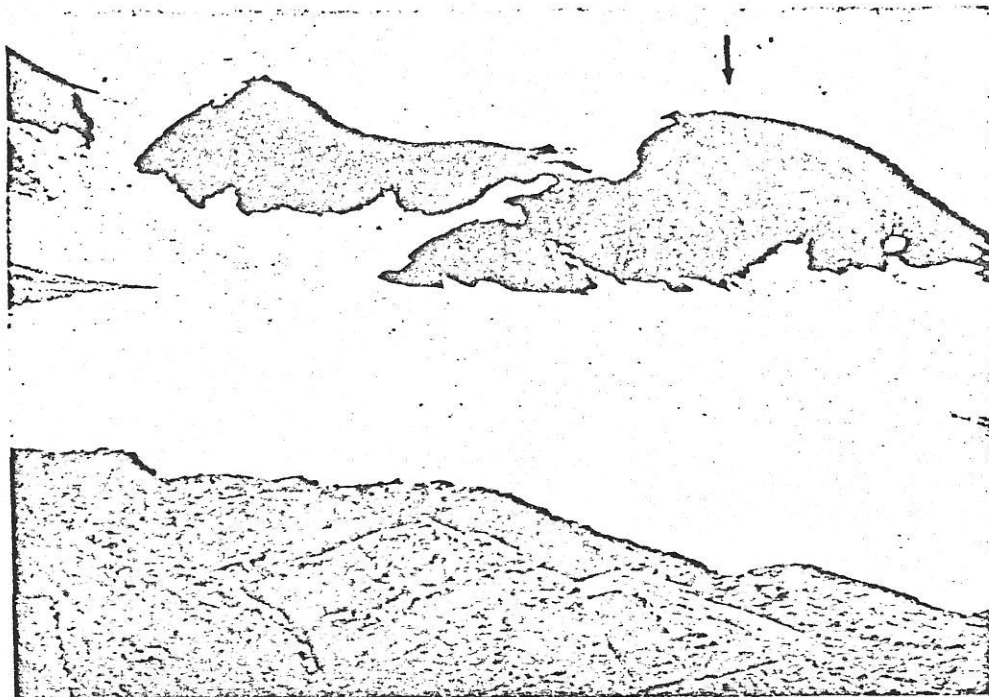
Looking N.W. from crest above Lardeau tunnel.



July 29, 1975

Photo by G. Addie.

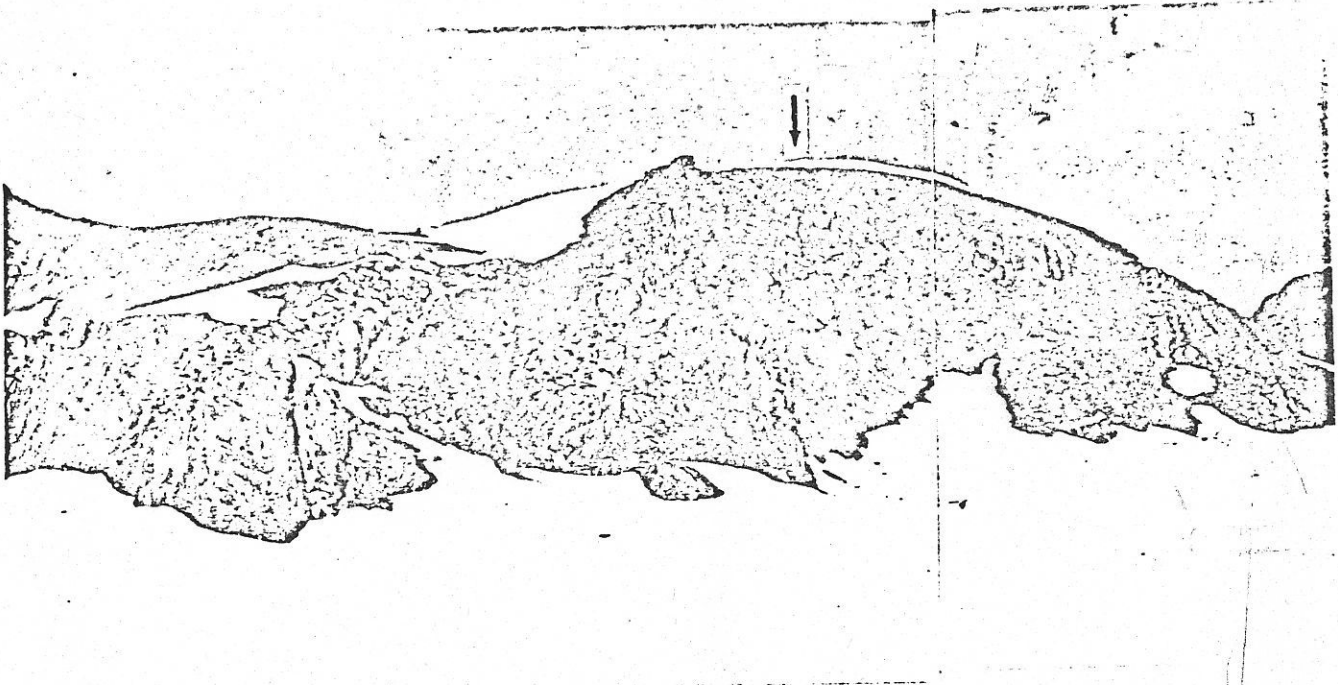
Looking S.E. from crest above Lardeau tunnel.



July 29, 1975

Photo by G. Addie.

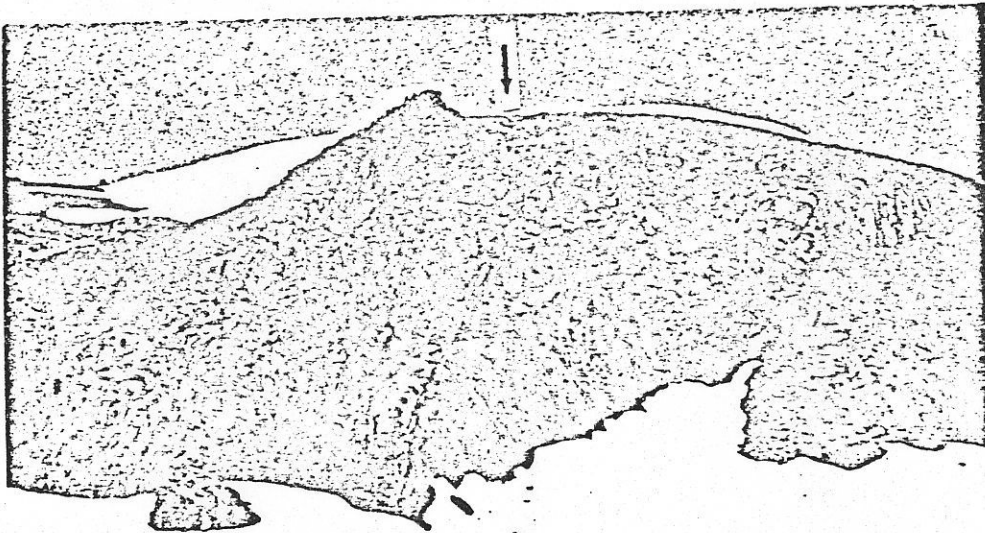
Looking N.W. from south end of glacier at
Lardeau tunnel. Hammer in foreground is
on undeformed limestone within very contorted
phyllite schists probably of the Index formation.



July 29, 1975

Photo by G. Addie

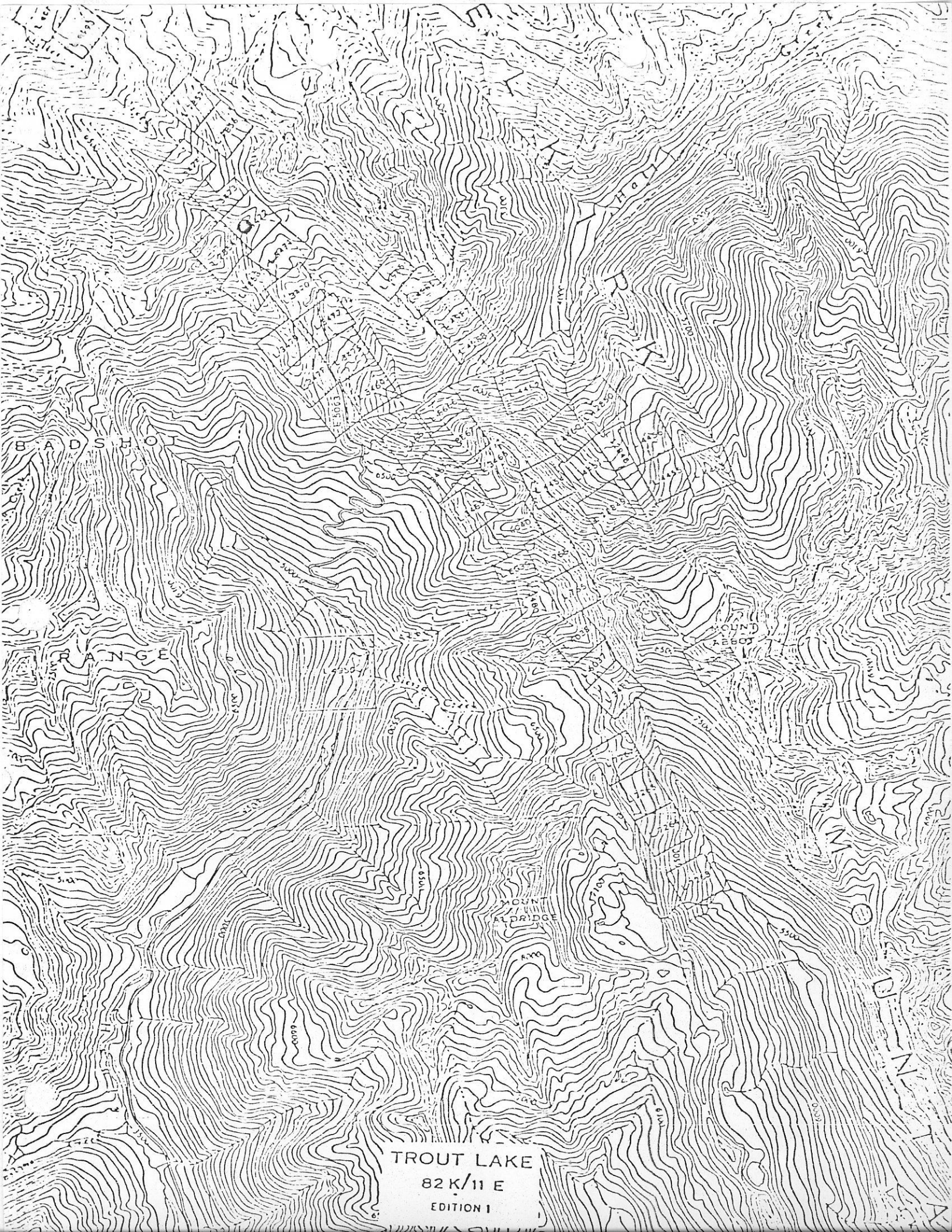
Lardeau Claim L.3472. Note adit below arrow halfway up the cliff.



July 29, 1975

Photo by G. Addie.

Same as above. Note how vein splays into three parts, above the adit. Best access is up skree slope to right, along ridge, and then down to tunnel by rope.



BADSHO
RANGE

MOUNT
ABBOT

MOUNT
ALDRIDGE

TROUT LAKE
82 K/11 E
EDITION 1