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REPORT ON

TRANS-MOUNTAIN MINES LTD.

Adams Plateau, B.C.

R.E. Legg, Consulting Mining Engineer
August 26/53

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REPORT ON EX GROUP OF TRANS-MOUNTAIN MINES LTD.

ADAMS PLATEAU, BRITISH COLUMBIA.

During the past six months a very excellent showing of lead-zinc-silver ore has been opened up by Trans-Mountain Mines Ltd. on the Adams Plateau north of Shuswap Lake in south central British Columbia. From this showing a total of 517 tons of ore has been mined from near the surface which averages 12 oz. silver, 19% lead and 12% zinc. The property has now reached the stage when it should be systematically explored by diamond drilling to determine if sufficient tonnage is available to warrant mill construction. The purpose of this report is to describe the property and outline the possibilities in order that capital can be raised to carry out the initial exploration.

LOCATION AND ACCESSIBILITY

The property is situated approximately in the center of the Adams Plateau in the Kamloops Mining Division. This plateau is bounded on the south and east by Shuswap Lake and on the west by Adams Lake. It ranges in elevation from 4000 to 6000 feet.

During recent years the plateau has become more accessible by the building of logging roads. A rough mining road has been extended right to the property from such a logging road. The distance by road from the C.P.R. station at Squilax to the property is 22 miles. The first six miles from Squilax consists of a good gravel road at Shuswap Lake level, then follows eight miles of first class gravel logging road winding up the plateau, and then follows eight miles of very rough road, which will be suitable to service the property in the exploration stage, but which is definitely not suitable should the production stage be reached. The rebuilding of this last eight miles is not a major undertaking. It can thus be said that the property is very well located from an operating viewpoint.

PROPERTY

The property consists of 15 claims and one fraction held by Trans-Mountain Mines Ltd. under an option agreement. In addition 24 claims were staked recently by the company and are held by location. The attached claims map shows the 15 claims and one fraction under option. The claims held by location lie to the north-east of the 15-claim group and also to the south. The writer has not checked the titles to any of the claims. Copies of Lease and Option Agreements can be obtained from Trans-Mountain Mines Ltd., c/o Kennedy & Andrews, Barristers, 207 Second Avenue, Kamloops, B. C.

GEOLOGY

The Adams plateau is generally underlain by altered sediments of various types such as limy argillites, thin bedded quartzites, schists, limestone, etc. Information is not available to give a detailed description of the geology, and no accurate geological maps are available which cover the plateau as a whole.

The mineral deposits on the plateau cover an extensive area. They appear to have been formed by the replacement of favourable beds in the limy argillites. The sulphide minerals in these deposits consist of sphalerite, galena, pyrite and pyrrhotite and these are accompanied by quartz and epidote minerals.

The geology on the claims held by Trans-Mountain Mines Ltd. appears to conform to the general geology of the area. On the EX 1 claim, on which the principal showings occur, the only formation noticed consists of limy argillites which strike approximately N 20 E and dip to the west at from 20 to 30 degrees. Two mineralized zones more or less paralleling the strike have been located, and there is evidence that other such zones exist. It is possible that there may be concentrations of ore bodies at favourable points along these zones, but not sufficient information is available to express any definite opinion.

DESCRIPTION OF WORKINGS ON EX 1 CLAIM

The principal showings on the property are on the EX 1 claim, and the attached map entitled "Plan of Surface Showings on EX 1 Mineral Claim" shows their locations. It should be stated that rock outcrops on the EX 1 and adjoining claims are extremely scarce. The claims were staked in the first place because oxidized float containing some sulphide minerals was found in the meadow on the eastern portion of the claim at the locations where trenches 14, 15, 16 and 17 were made. These trenches did not find bedrock. Subsequent prospecting up the gently sloping hillside indicated the presence of mineralized zones, and this was confirmed by a limited amount of trenching. On the surface these mineralized zones do not look attractive, and it was only last fall when two prospectors began to blast away the oxidized capping rock at the point marked "Main Workings" on the plan that the picture began to change. While on and near the surface there was some evidence of lead-zinc ore, the open cut began to show high grade shipping ore within three to four feet below the surface. Approximately 60 tons of this high grade ore was removed and shipped before winter conditions caused a halt. In March of this year the property was acquired by Trans-Mountain Mines Ltd., and since then all work has been concentrated on getting out shipping ore along a length of 70 feet. As previously stated, some 517 tons of ore have been mined from the workings which consist of an open cut varying from 5 to 15 feet in depth and from a shallow winze 20 feet in depth. Five short diamond drill holes were put down from the bottom of this open cut for the express purpose of aiding the mining of shipping ore. This preliminary work has permitted an accurate sampling of the ore zone, and the results of such sampling are shown on the attached "Assay Plan of Main Workings".

A survey was made of the claim posts of the EX 1 Claim as it was very important to determine the claim boundaries because of the fact that the ore zones have a flat dip to the west. The ground adjoining the EX-1 claim on the west is staked and is owned by another company. Should the ore found in the "Main Workings" continue in depth, at the same dip, then it would be on the Company's ground for a slope depth of approximately 1000 feet.

Very little work has been done to find any north and south extensions of the "Main Workings" ore zone which has been proved for a length of 100 feet. It is believed that the zone extends in the direction of Tr 6 (see map). The former leasers state that they found ore in this trench which is now covered up by material pushed aside in road building. Large pieces of oxidized capping rock are in evidence just below the trench. To the north of trench 6 there are no rock outcrops until trench 13 is reached, which is 450 feet distant. It is impossible to say at this time if trench 13 is on the same zone.

Trenches 7 to 12 inclusive prove the existence of a second mineralized zone. Until blasting is done to get below the oxidized capping rock, the economic possibilities of this zone cannot be assessed. Lead and zinc mineralization is in evidence.

DETAILS OF PRODUCTION FROM "MAIN WORKINGS"

Whereas it has been stated at the beginning of this report that 517 tons of ore averaging 12.0 oz. silver, 19% lead and 12% zinc have been mined from the "Main Workings", it is thought that proof should be submitted in support of these figures.

In the fall of 1952 60 tons of high grade lead ore were shipped by leasers to the Trail smelter. Average assays are not known, but leasers stated they received over \$4000.00 in net smelter returns. Average assays are assumed to be the same as first shipment made by Trans Mountain Mines Ltd.

In April 1953 Trans Mountain Mines Ltd. made their first shipment of 97.6 dry tons to the Kenville customs mill at Nelson, B. C. for treatment. This ore averaged 0.01 oz. gold, 20.1 oz. silver, 30.1% lead and 10.0% zinc, as shown on the customs mill statement which has been inspected by the writer. Both lead and zinc concentrates were produced, and 45.8 tons of lead concentrates were shipped to the Trail smelter. Settlement sheet from the smelter has been inspected. Some 13.7 tons of zinc concentrates were produced, but it is understood that these have not yet been sold.

During August two railway cars of high grade ore have been loaded. No weights or assays are available. 130 tons are estimated, which from visual inspection should average 15 oz. silver, 22% lead and 12.0% zinc.

At August 22nd there were 80 tons of shipping ore in the ore bin at the mine and at a transshipment point seven miles from the mine. This ore is estimated to average 12 oz. silver, 20% lead and 15% zinc.

At August 22nd there were 150 tons of mill feed in various piles near the "Main Workings". This ore is estimated to average 2.0 oz. silver, 4.0% lead and 10.0% zinc.

These various shipments and ore piles amount to 517 tons with a calculated content of 12.0 oz. silver, 19% lead and 12% zinc.

RECOMMENDATIONS

A diamond drilling programme to test the downward continuation of the ore zone at the "Main Workings" is first recommended. The attached sections shows the proposed diamond drilling at the "Main Workings". Assuming the ore body maintains the same dip, three drill holes having depths of 85, 125 and 175 feet would test a slope depth of 300 feet. A parallel series of holes 100 feet further north could then be put down. Depending on the results of these first six holes, further holes would be planned to test the mineralized zone further along the strike and also at greater depth. Fortunately the topography and the flat lying ore zone permit testing the downward continuation by means of relatively short holes.

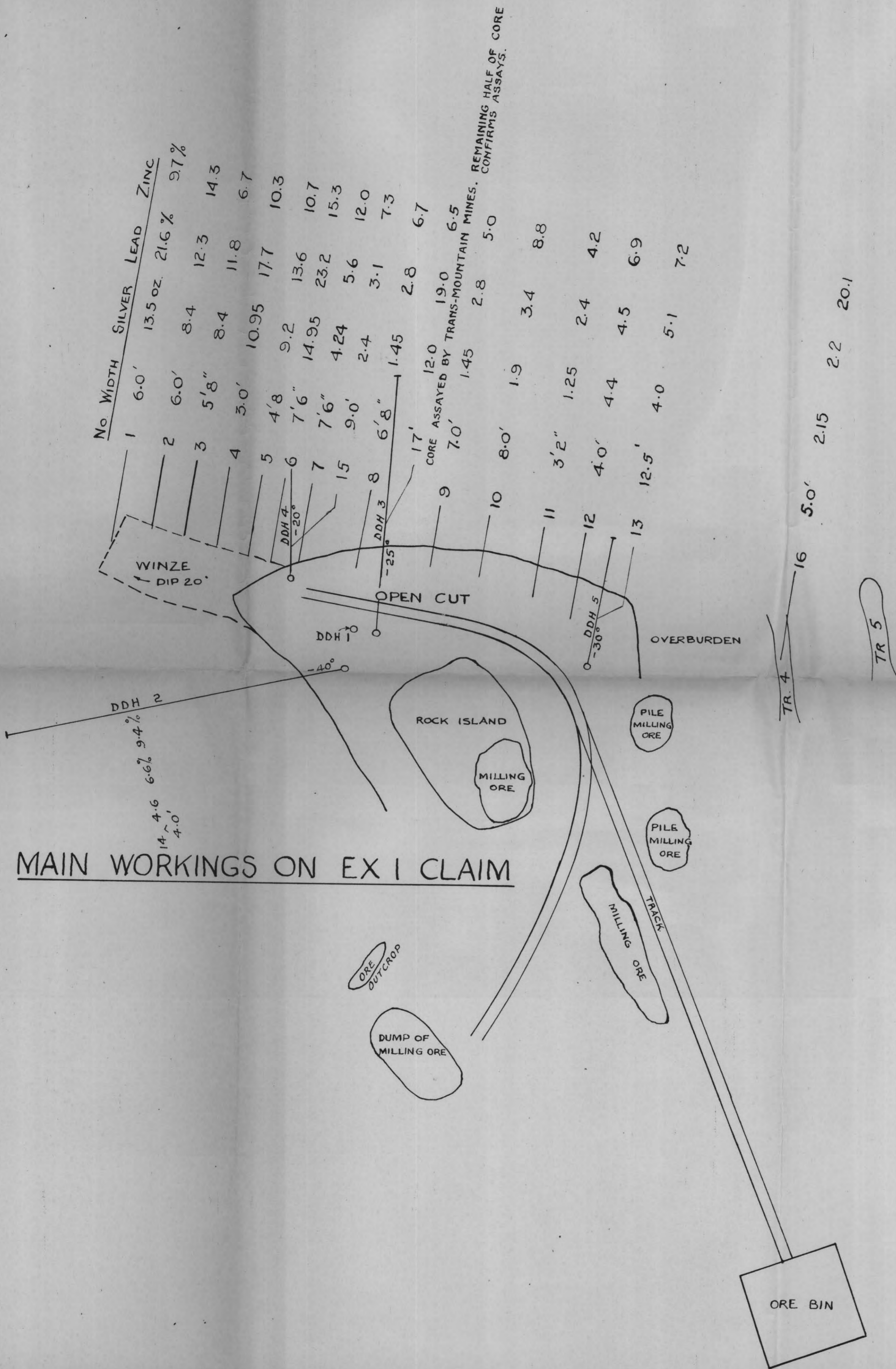
Funds to provide for a total of 2000 feet of drilling should be made available. Including overhead costs, transportation services, cookhouse operation, engineering, etc. the sum of \$16,000 is required. This initial programme could readily indicate 20,000 tons of ore, which would provide encouragement for additional drilling.

Mr. Russell Kennedy, president of Trans-Mountain Mines Ltd., lives in Kamloops and he is available to discuss terms with any company or financial house which would be interested in testing this promising looking property.

R. E. Legg
R. E. Legg
Consulting Mining Engineer
August 26, 1953.

REL:FE





MAIN WORKINGS ON EX I CLAIM

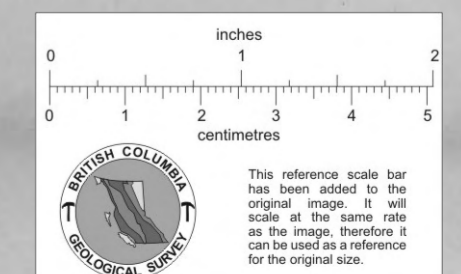
SUMMARY OF ORE SHIPMENTS FROM MAIN WORKINGS.

- 1952 60 TONS HIGH GRADE ORE SHIPPED TO SMELTER IN LATE FALL BY LEASERS. NET SMELTER RETURNS REPORTED TO BE APPROX \$4000.00.
- APRIL 1953 97.6 TONS AVERAGING 0.01 OZ. GOLD, 20.2 OZ. SILVER 30.1% LEAD AND 10.0% ZINC SHIPPED TO CUSTOMS MILL AT NELSON, B.C. FOR TREATMENT.
- AUGUST 1953 TWO RAILWAY CARS HIGH GRADE MILLING ORE LOADED NO ASSAYS AVAILABLE. ESTIMATED TONNAGE 150.
- AUGUST 22, 1953 ESTIMATED 80 TONS HIGH GRADE MILLING ORE IN ORE BIN AND AT TRANSHIPMENT POINT 7 MILES FROM MINE.
- AUGUST 22, 1953 ESTIMATED 150 TONS MILL FEED IN VARIOUS PILES NEAR MAIN WORKINGS. ESTIMATED GRADE 4.0% LEAD, 10.0% ZINC.
- TOTAL PRODUCTION 517 TONS FROM OPEN CUT AND SHALLOW WINZE. ESTIMATED AVERAGE GRADE 12 OZ SILVER, 19% LEAD, 12% ZINC.

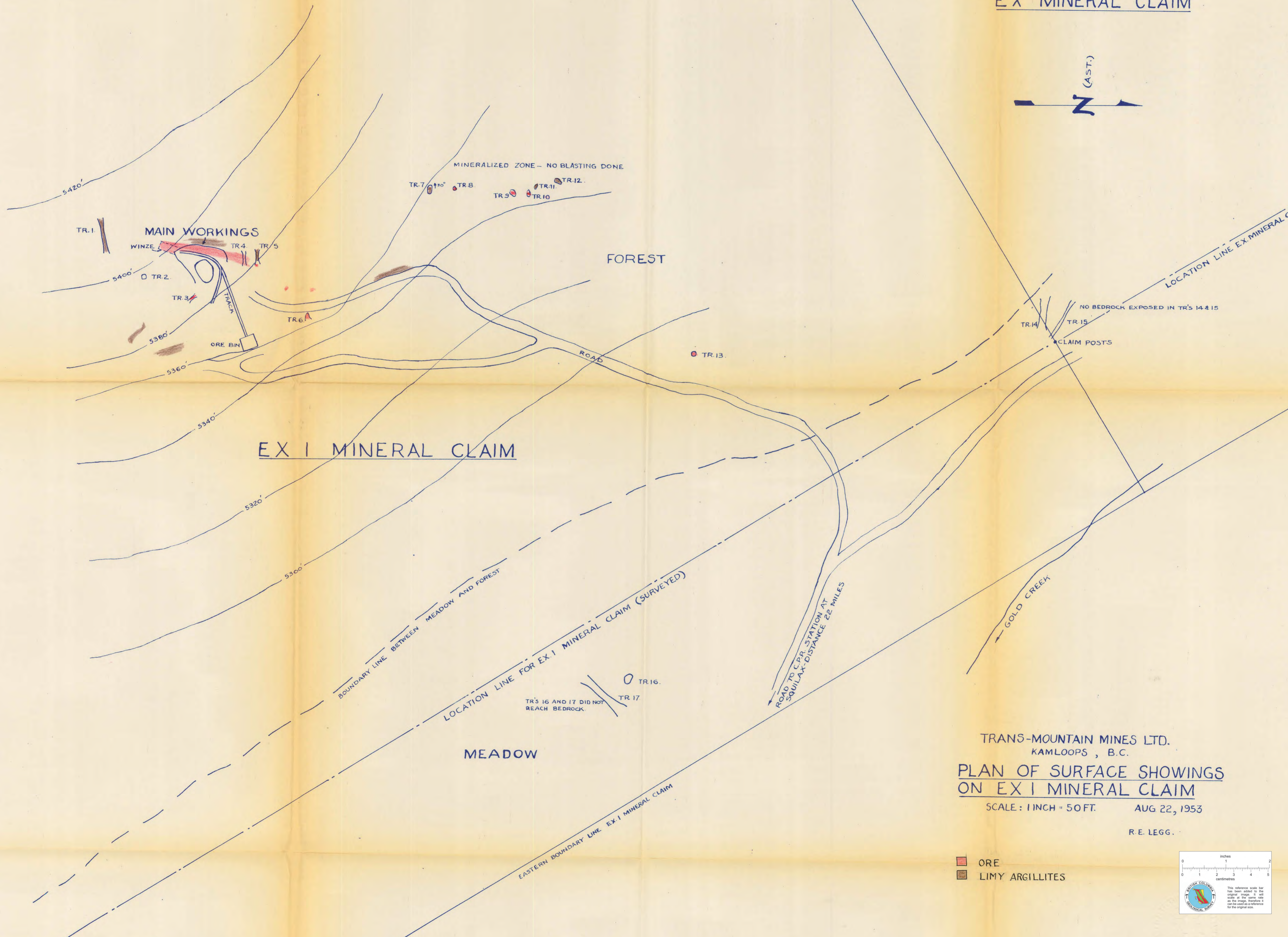
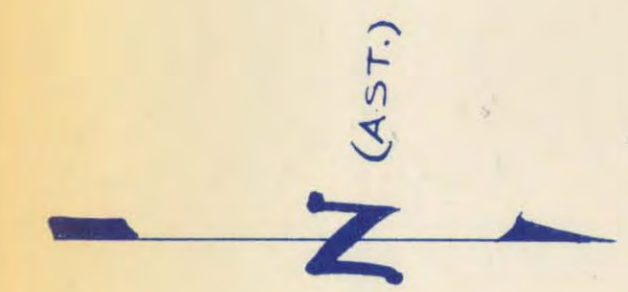
TRANS-MOUNTAIN MINES
KAMLOOPS, B.C.
ASSAY PLAN OF MAIN WORKINGS

SCALE: 1 INCH = 10 FT. AUG 22, 1953.

R.E. LEGG.



EX MINERAL CLAIM



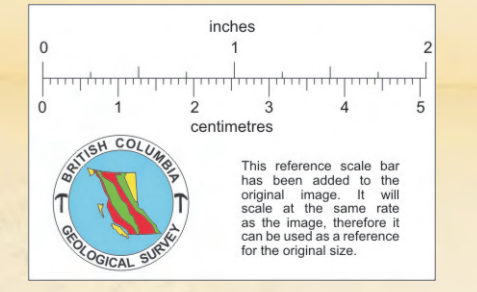
EX I MINERAL CLAIM

TRANS-MOUNTAIN MINES LTD.
KAMLOOPS, B.C.
**PLAN OF SURFACE SHOWINGS
ON EX I MINERAL CLAIM**

SCALE: 1 INCH = 50 FT. AUG 22, 1953

R. E. LEGG.

- ORE
- LIMY ARGILLITES



TR'S 16 AND 17 DID NOT REACH BEDROCK.

NO BEDROCK EXPOSED IN TR'S 14 & 15

FOREST

MEADOW

MAIN WORKINGS

MINERALIZED ZONE - NO BLASTING DONE

LOCATION LINE EX MINERAL CLAIM

BOUNDARY LINE BETWEEN MEADOW AND FOREST

LOCATION LINE FOR EX I MINERAL CLAIM (SURVEYED)

EASTERN BOUNDARY LINE EX I MINERAL CLAIM

ROAD TO CPR STATION AT SQUILAX-DISTANCE 22 MILES

GOLD CREEK

ROAD

ORE BIN

TRACK

WINZE

TR.1

TR.2

TR.3

TR.4

TR.5

TR.6

TR.7

TR.8

TR.9

TR.10

TR.11

TR.12

TR.13

TR.14

TR.15

CLAIM POSTS

TR.16

TR.17

5420'

5400'

5380'

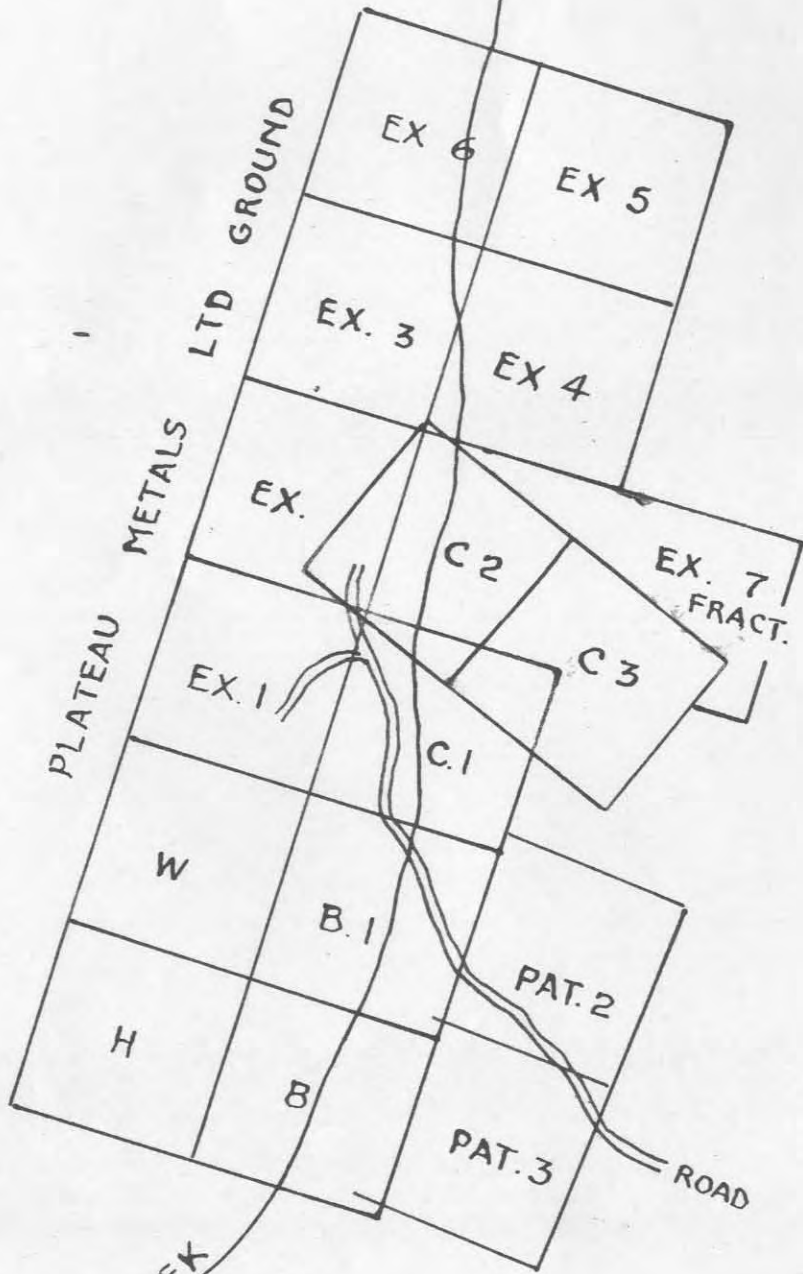
5360'

5340'

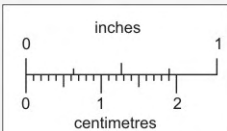
5320'

5300'

GILFRID LAKE



GOLD CREEK



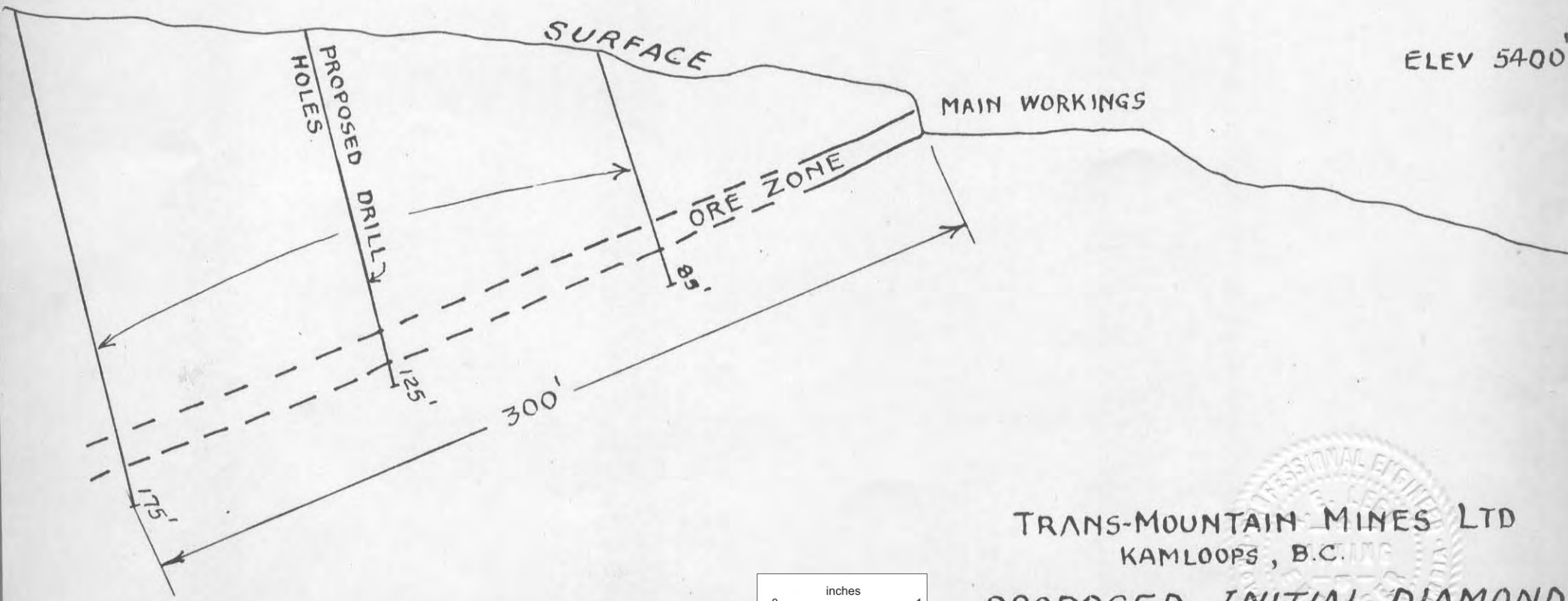
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CLAIMS MAP

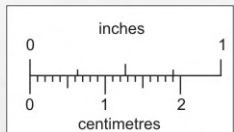
TRANS MTN. MINES LTD.

SCALE 1500' = 1"





TRANS-MOUNTAIN MINES LTD
 KAMLOOPS, B.C.
**PROPOSED INITIAL DIAMOND
 DRILL HOLES**



This reference scale bar has been added to the original image. It will scale at the same rate as the image, therefore it can be used as a reference for the original size.

SCALE 1 INCH = 50 FT.

AUG. 22/53

R. E. LEGG.