

NOTES ON SECTIONS No-21 TO No-24 INCLUSIVE.

These four sections were prepared from the old 50 scale mine level plans on which Swillem's notes are shown. The co-ordinates are those used on these plans. The stratigraphy is the writer's interpretation of Swillem's notes into rock types used on our maps. The four sections are chosen to give typical cross sections through the three principal ore shoots. Their approximate location is shown on vertical projection No-19 & No-18.

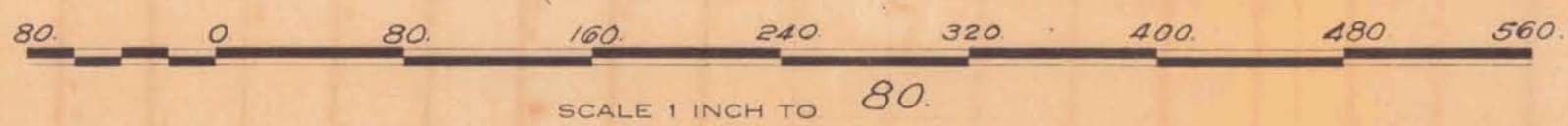
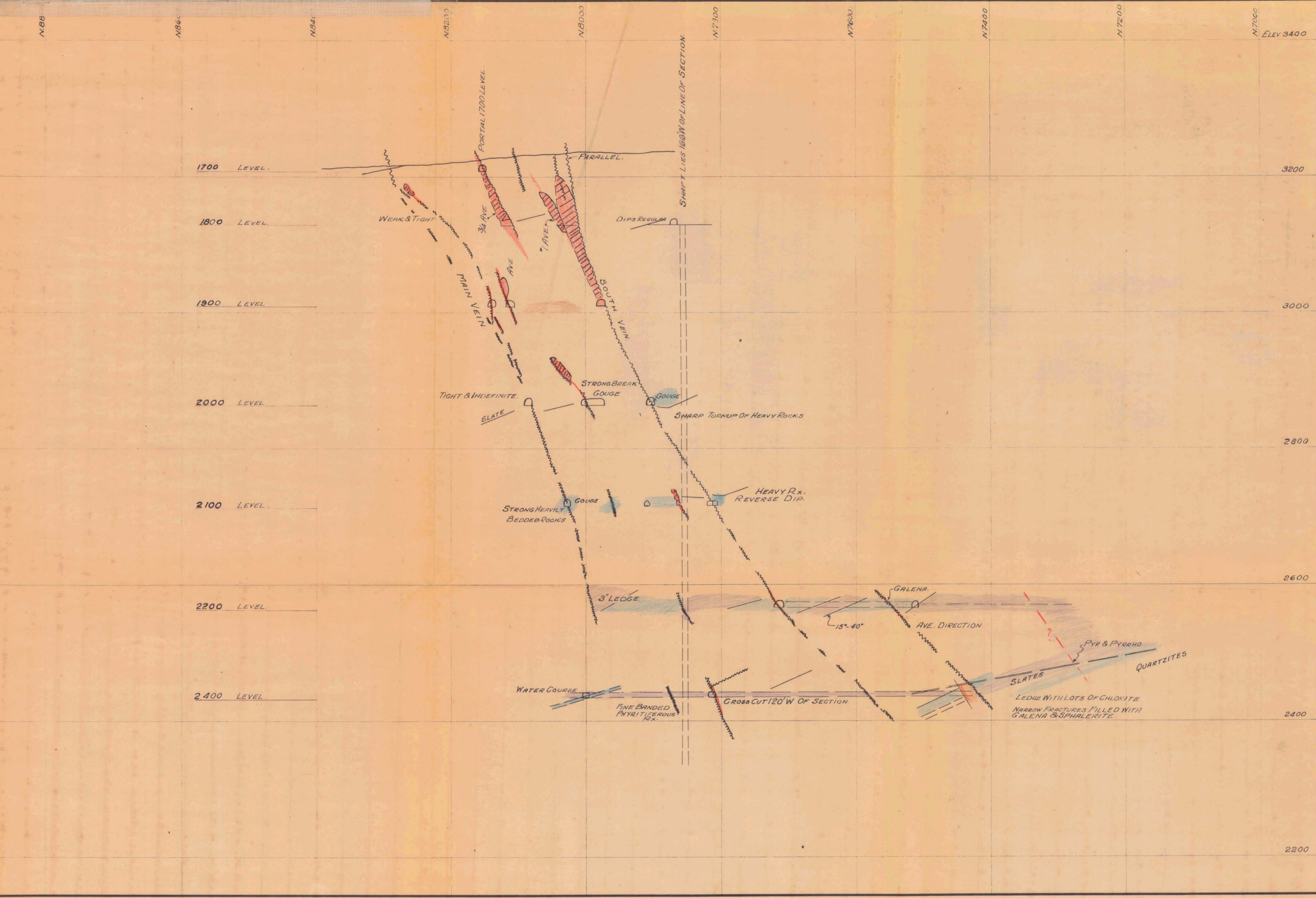
No-21 (near West end of Lakeshore Shoots) shows the argillite on the 2200 and 2400 levels. Here the veins are poor, the strata dip more steeply northward and reverse dips and brush-ups are absent. In this section the Main vein, which to the eastward was the principal structure, weakens; the ore "crossing over" on the avenue to the South vein. Parallel structures to the south of the South vein are evidently strengthening with depth. The best chance for ore near the lowest shaft level appears then to be south of the South vein and in the quartzite underlying the argillite. This could be tested by drill holes from surface (see No-20).

No-22 through the central part of the Lakeshore shoots shows a better development of the "Avenues" and "Parallels." The ore shown on the north vein occurs at the junction of 2nd Avenue with that vein. The large stop on the South vein is where that vein and Parallel B are close together and ore occurs between them. Here the mineralization in places follows the bedding plane between these two veins. Reverse dips and brush-ups are found in the productive part of the veins, but are not apparently present on the lower levels.

No-23 through the Moyie shoots shows ore in the steeper portions of the vein with associated brush-ups and reverse dips. In the flatter sections the vein is apparently barren and reverse dips lacking. Here the South vein is further distant from the Main vein than in the Lakeshore area. No ore has been found in it but the possibilities have not been adequately tested. There is a good chance to explore them by diamond drill holes from the 1600 level. The drifts on the South vein do not appear to follow one fracture but rather there appears to be a series of roughly parallel fractures with different "South vein" levels following different structures.

No-24 through Upper Mine workings to the east of the dyke, shows ore in the more steeply dipping portions of the vein. The veins on the 100 level have swung to follow the avenue direction. This change in trend might be caused by the vein either entering the argillites or intersecting the north trending zone of faulting. The large stop on the 500 level lies immediately beneath these argillites and suggests eastward exploration at this favorable stratigraphic horizon.

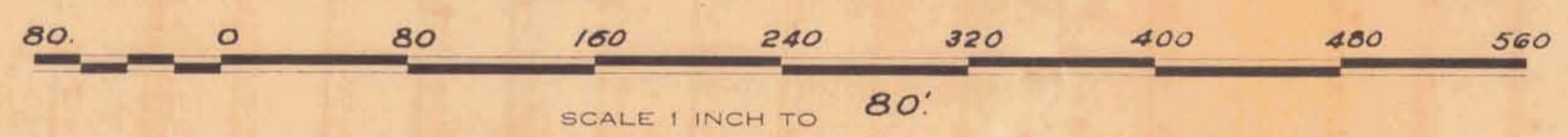
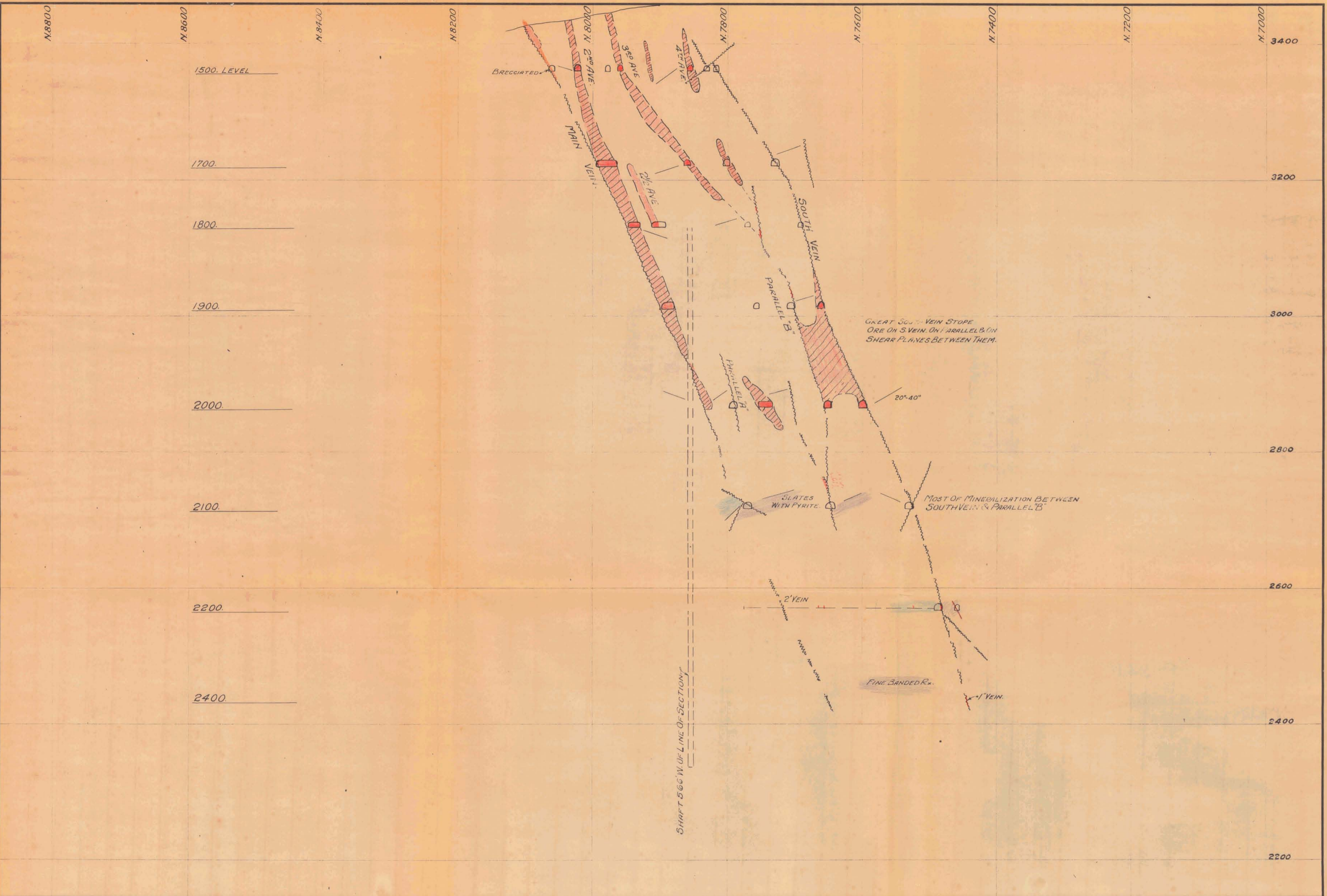
A.S.



COMPANY ST EUGENE MINING CORP.
 PROPERTY ST EUGENE MINE
 LOCATION MOYIE, B.C.

WORKING PLACE SECTION E2200
 COMPILED FROM 80 SCALE LEVEL PLANS
 TYPE OF MAP GEOLOGY FROM GWILLAMS NOTES

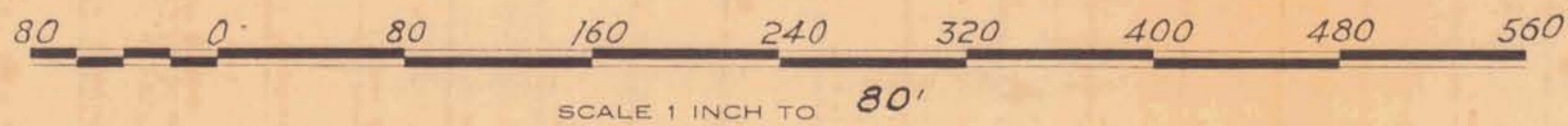
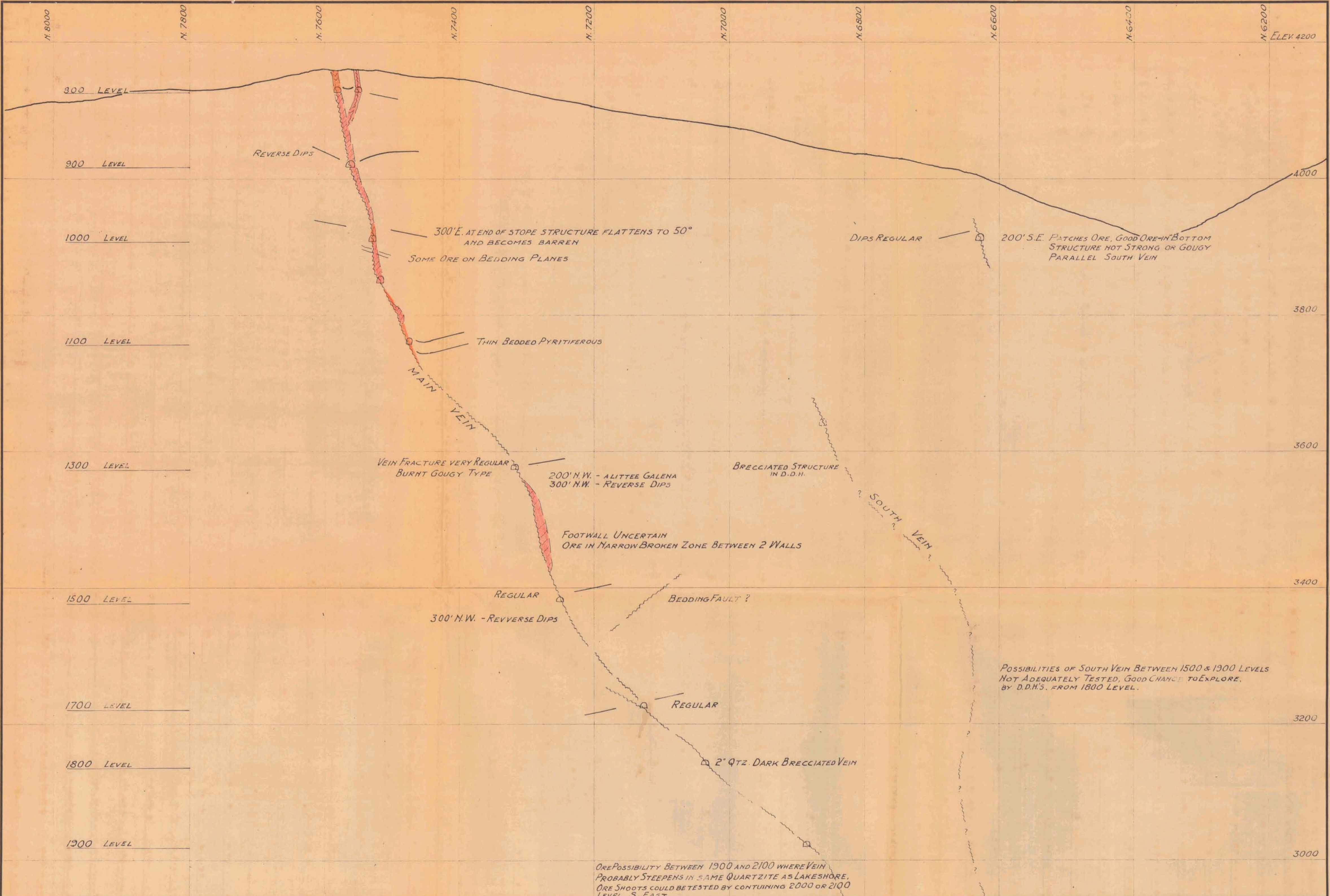
DATE MAY, 1949
 DRAWN BY A.S.
 MAP No. 21.



COMPANY *ST EUGENE MINING CORP*
 PROPERTY *ST EUGENE MINE*
 LOCATION *MOYIE, B.C.*

WORKING PLACE *SECTION E2600*
 COMPILED FROM *80 SCALE LEVEL PLANS*
 TYPE OF MAP *GEOLOGY FROM GWILLAM'S NOTES*

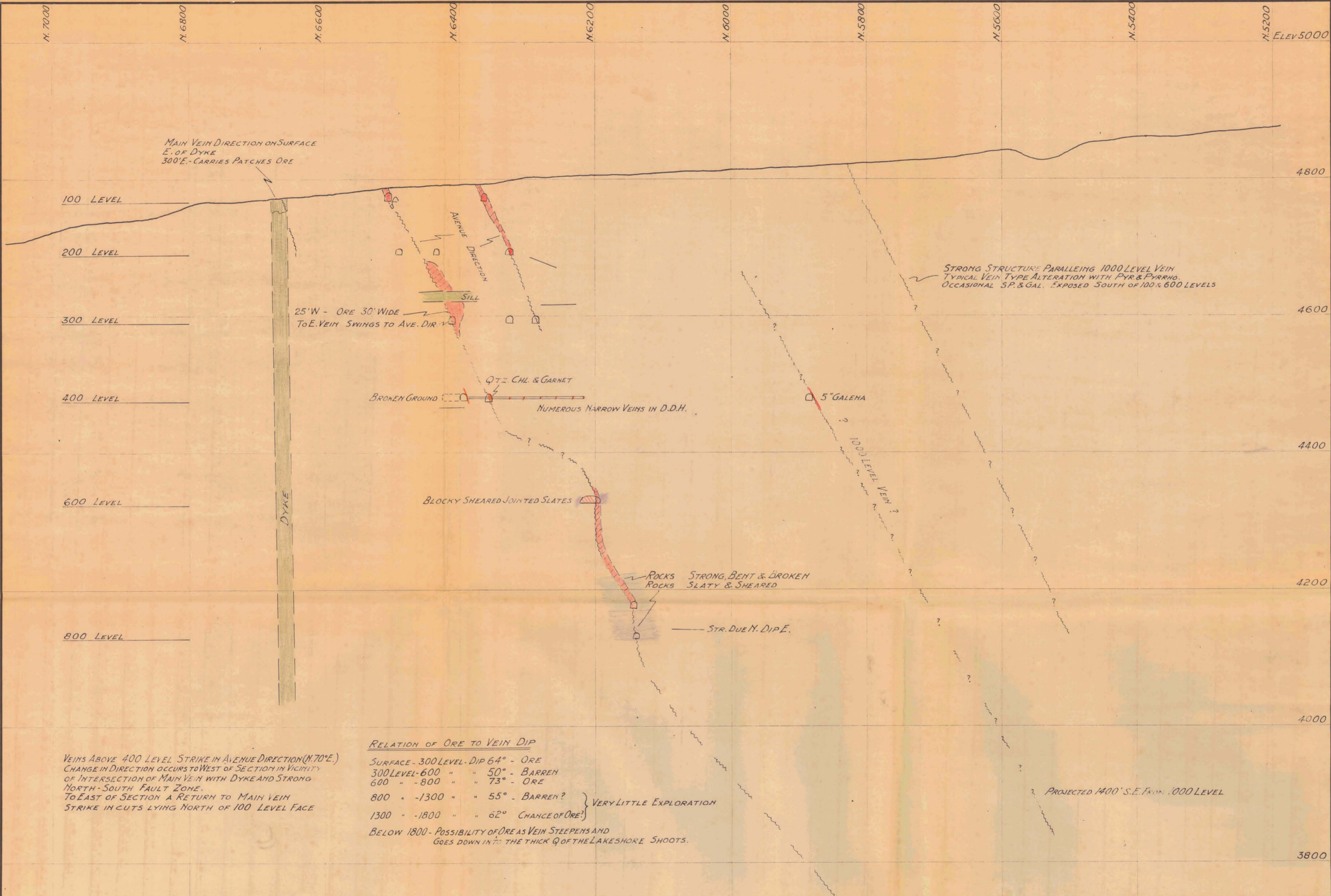
DATE *MAY, 1944*
 DRAWN BY *A.S.*
 MAP NO. *No. 22.*



COMPANY ST EUGENE MINING CORP.
PROPERTY STEUGENE MINE
LOCATION MOYIE. B.C.

WORKING PLACE SECTION E.3900
COMPILED FROM 80 SCALE LEVEL PLANS
TYPE OF MAP GEOLOGY FROM GWILLAM'S NOTES

DATE MAY 1949
DRAWN BY A.S.
MAP NO. M0-23



VEINS ABOVE 400 LEVEL STRIKE IN AVENUE DIRECTION (N. 70° E.)
 CHANGE IN DIRECTION OCCURS TO WEST OF SECTION IN VICINITY
 OF INTERSECTION OF MAIN VEIN WITH DYKE AND STRONG
 NORTH-SOUTH FAULT ZONE.
 TO EAST OF SECTION A RETURN TO MAIN VEIN
 STRIKE IN CUTS LYING NORTH OF 100 LEVEL FACE

RELATION OF ORE TO VEIN DIP

SURFACE - 300 LEVEL	DIP 64°	ORE
300 LEVEL - 600 "	" 50°	BARREN
600 " - 800 "	" 73°	ORE
800 " - 1300 "	" 55°	BARREN?
1300 " - 1800 "	" 62°	CHANCE OF ORE?

} VERY LITTLE EXPLORATION
 BELOW 1800 - POSSIBILITY OF ORE AS VEIN STEEPENS AND
 GOES DOWN INTO THE THICK Q OF THE LAKESHORE SHOOTS.

