

ASSESSMENT REPORTS

MAP No. 115 F/15 TYPE OF WORK: 1P Survey, DDH,

REPORT FILED UNDER	Silver City Mines Ltd.	
DATE PERFORMED	DATE FILED: Feb. 7, 1973	
LOCATION - LAT.	61° 10' N	White River Area, Y.T.
LONG.	140° 36' W	
CLAIM Nos.		
WORK DONE BY	Mr. V. Featheringale	
WORK DONE FOR	Silver City Mines Ltd.	
REMARKS	Proposed Development Map	1" - 100'
	4 IP Survey Maps	1" - 400'
	DDH Sections	1" - 40'

P.O. Box 1238  
Comox, British Columbia

7 February 1973

Silver City Mines Ltd.  
580 Howe Street  
Vancouver 1, British Columbia

Gentlemen:

The adit work, in 1970, on the 2900 level was laid out to check the mineralization indicated in the surface drill holes 1;2;4;5;7;5;104-5; 105-2 and 12. Except for the exposed mineralization under the original outcrop showing, the results have been unsatisfactory and confusing.

As pointed out in my report of July and letter of August 1972, the muck sampling of the adit plus sludge samples of the underground drilling are not consistent with the I.P. survey plots of Seigel & Associates. This is the I.P. chargeability axis (milli seconds) over the outcrop and exposed mineralization underground (which has an average of 2.63% Cu.) is lower than the other I.P. chargeability axis (milli seconds) plottings, adjacent to which the underground results are substantially lower in copper values.

Referring to MAP 1, it will be noted that the chargeability axis, as plotted by Seigel & Associates, between sections 100 and 104 are west of the adit workings. Drill holes 6;7; 5 and 11 crossed the trend of these axis and did not expose mineralization of note. However, since these axis indicate a much higher chargeability rate than over the outcrop (section 100) it is considered advisable to check this section of ground with drill holes, underground, roughly perpendicular to drill holes 6;7;5 and 11; that is generally crosscutting the trend of the I.P. anomalies. A minimum of 5 holes (1500 ft. more or less) as indicated on MAP 1 is recommended. Also two holes northerly from the 2900 adit as indicated are desirable (500 ft. approx.)

In previous reports your attention has been called to the favourable I.P. anomaly axis (12 milli seconds chargeability) that indicate a possible favourable zone of mineralization extending some 1700 feet north-easterly from the present face of the 2900 north level. It is recommended an effort should be made to explore this area by adit opening.

Drilling at the south end of the 2900 level exposed a favourable zone of irregular heavy native copper, along with some chalcocite, occurring over an irregular horizontal area of 100 ft. or more and extending downward to approximately the 2800 level. It is recommended this section should be explored on approximately the 2800 level. This will require an adit some 450 feet in length to reach a point under the original mineral outcrop, plus an additional 350 ft., more or less, to evaluate the easterly extension indicated by drilling.

This 2800 level adit will also afford the opportunity of drifting south across the I.P. anomaly axis indicated along AXIS A2, Seigel & Associates plate 3; and also north across the anomaly axis indicated on AXIS A1, at least to the section of drill hole 12, and preferably to section 109.

To summarize the work recommended;

- a. 2800 level adit crosscut about 800 ft. to explore area under original outcrop.
- b. A drift north from this crosscut, approximately 1000 ft. to explore the anomalies along AXIS A1 to section 107 (drill hole 12) at least and possibly to section 109.
- c. A drift south along zone of AXIS A2, roughly 600 ft. to check possible values in this area.
- d. A drive from the present north face of level 2900 for 1700 ft; plus a crosscut of roughly 100 ft. on section 109 for ventilation and shortening the mucking distance.
- e. Approximately 2000 ft. of drilling on the 2900 level.
- f. Supplementary drilling on the 2800 level should be allowed for. The extent of this, at present, is uncertain but probably 3000 ft. should be anticipated.

Total work:- Adit 4200 ft.; Underground drilling 5000 ft.

The approximate location and alignment of the underground work is shown on MAP 1. Final location of the 2800 level portal will be governed by local terrain and access conditions. The alignment is subject to change dependent on local development conditions.

Sections of the various drill holes mentioned are attached for reference. For detail of Seigel & Associates I.P. anomaly plots see their plates 2,3 and 5, and note the corrected location of Base line - Grid A to Base Line & Grid B on the accompanying MAP 2.

An estimate of the cost of the above program based on costs of materials delivered to the property and a four men crew; - 2 men per shift 2 shifts per day, each shift advancing 10 ft. per day, i.e. a total of 20 feet advance per day. This estimate based on results of the 2900 level work.



*Porphyry: matrix fine grained; colour varies grey to brown; feldspars vary up to  $\frac{1}{2}$ " or more; in some sections broken*

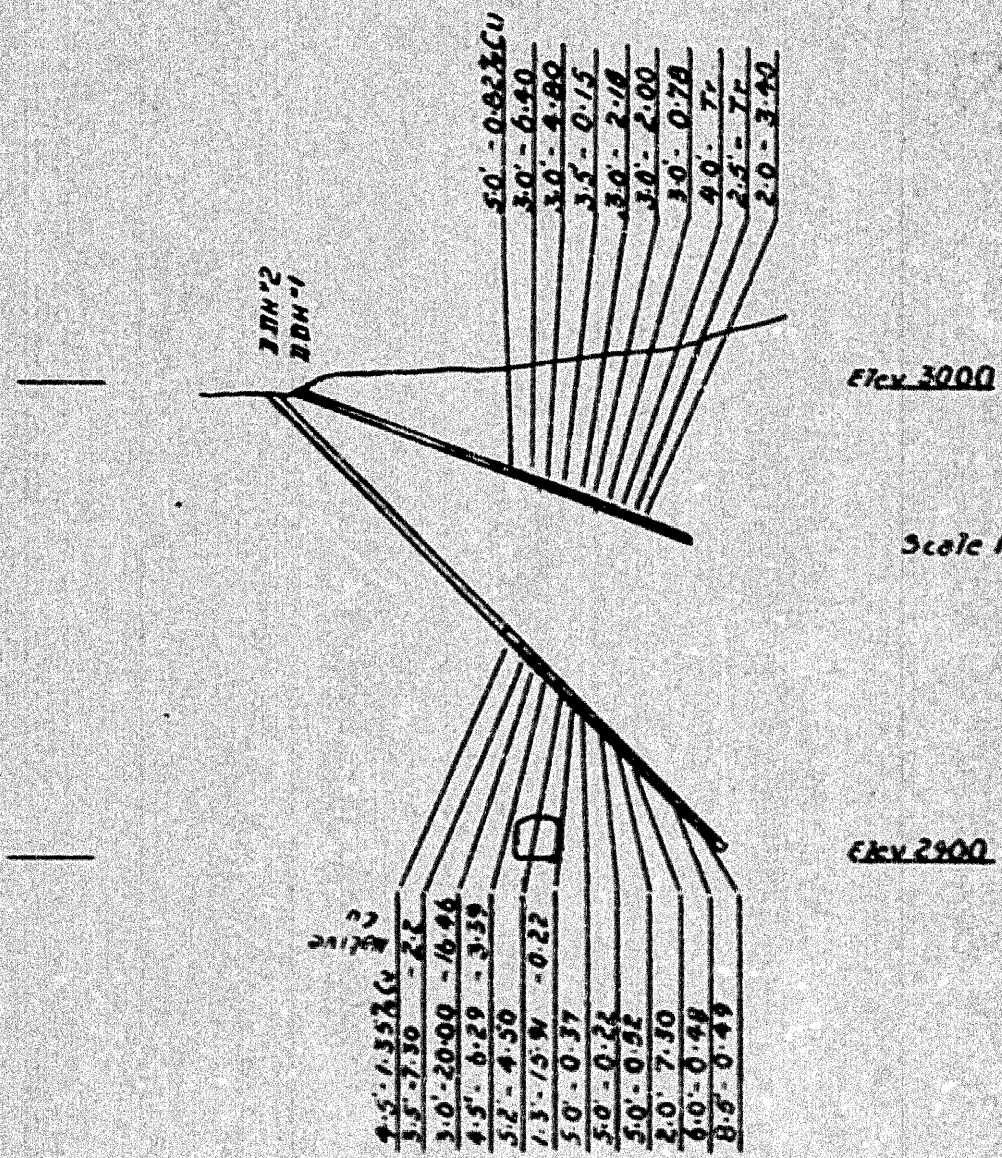


*Dark brown to reddish, medium grained volcanic. Amygdaloidal in part; amydules serpentine, chlorite, calcite?*



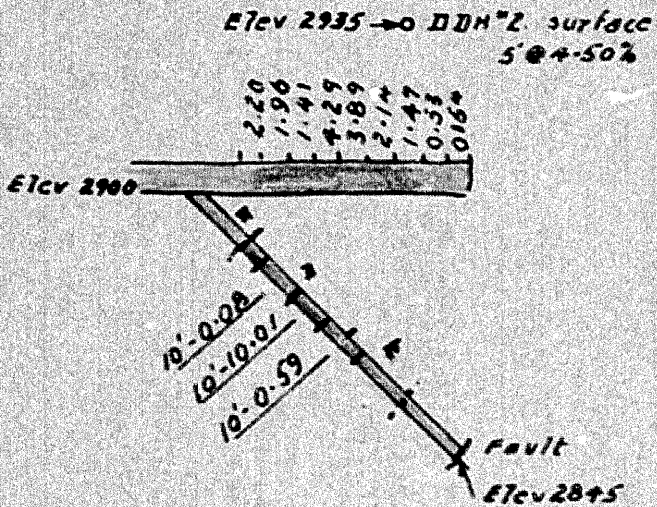
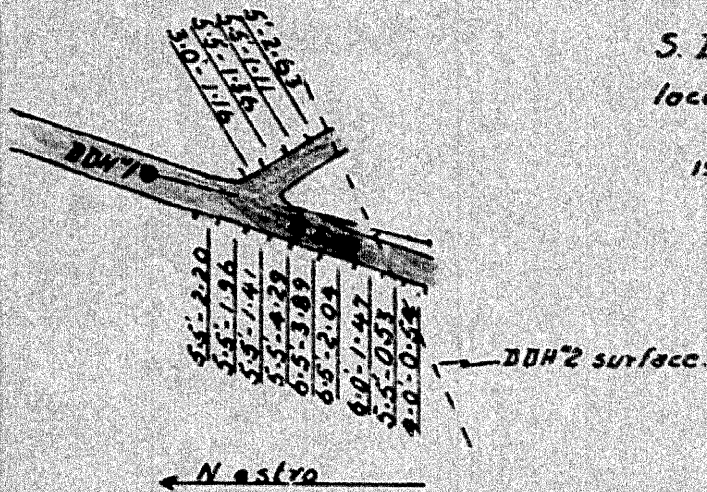
*Green volcanic; generally sheared with chlorite slickensides; in places f.g. Cu; amygdaloidal in part; more than one member*

*Scale of Sections 1"=40'*



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1972

SECTION 12



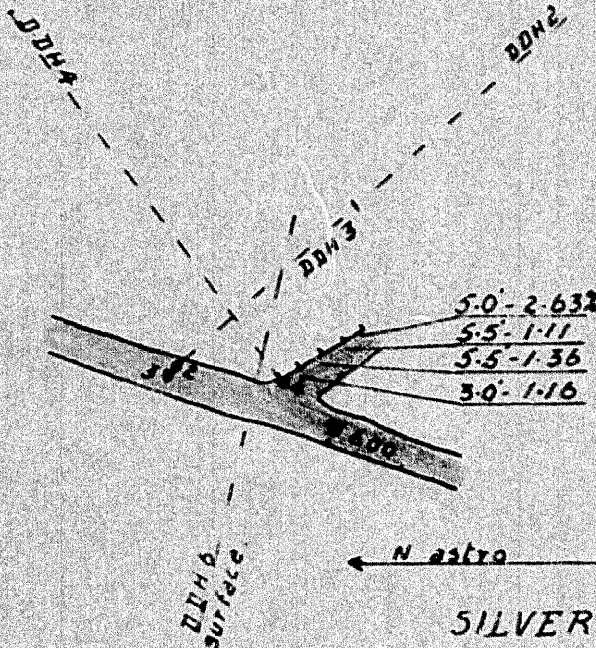
Plan & Section DDH#1

Scale 1" = 40'

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1972

SECTION 1



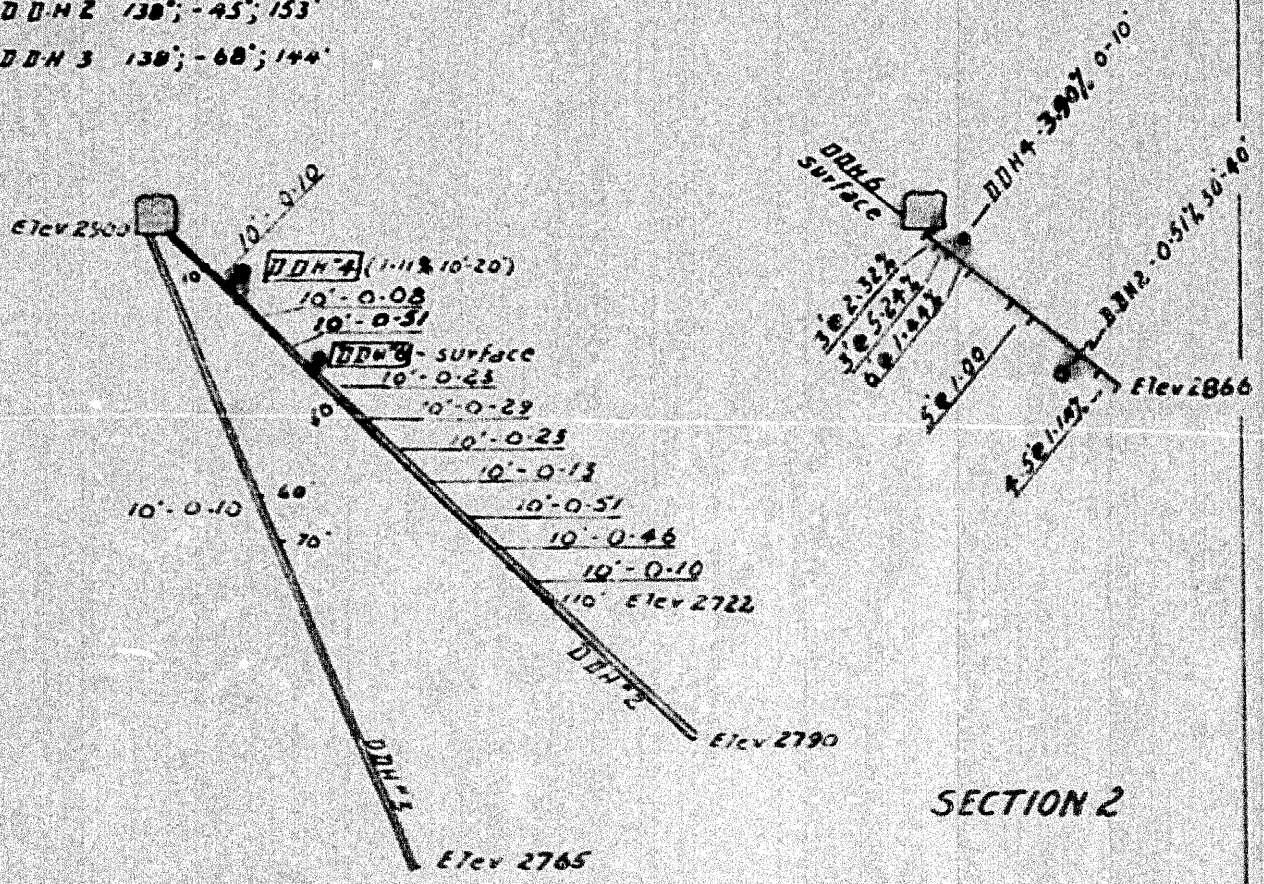
Plan 5. Drift showing locations of DDH 2, 3, 4 surface DDH 6

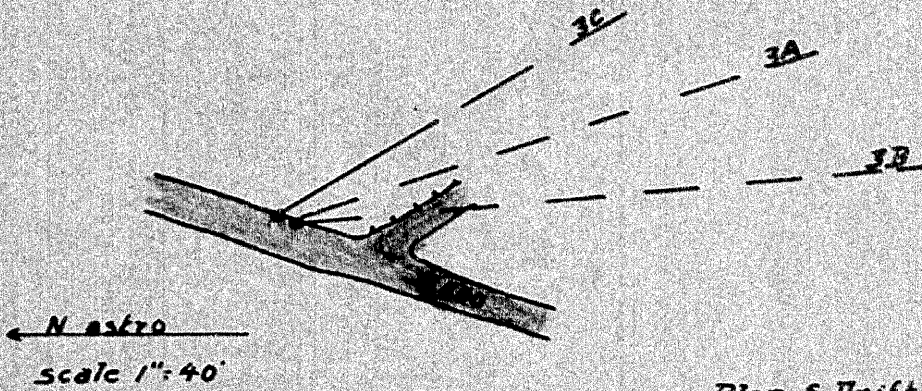
Scale 1" = 40'

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1972

DDH 2 130°; -45°; 153'

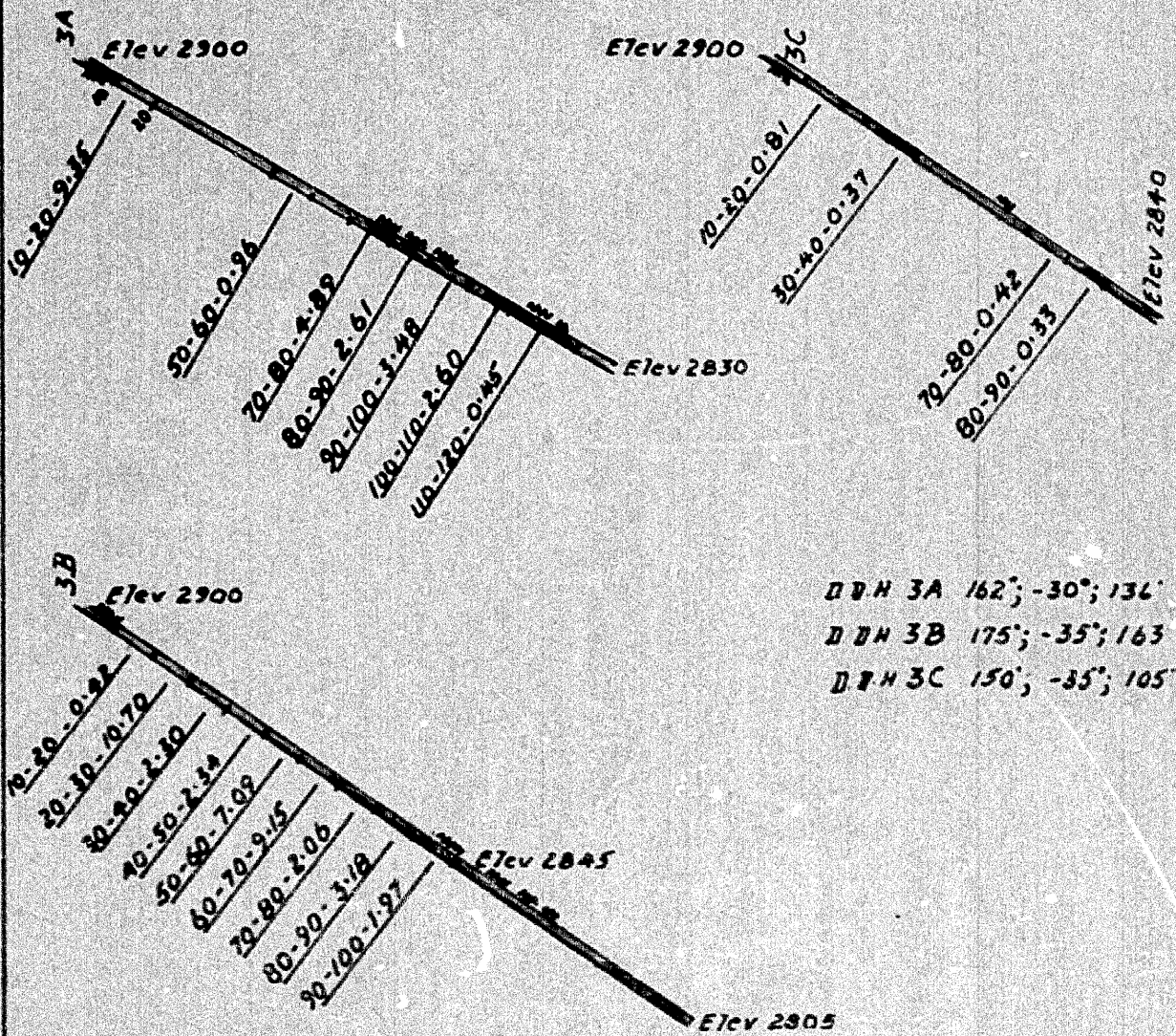
DDH 3 130°; -60°; 144'





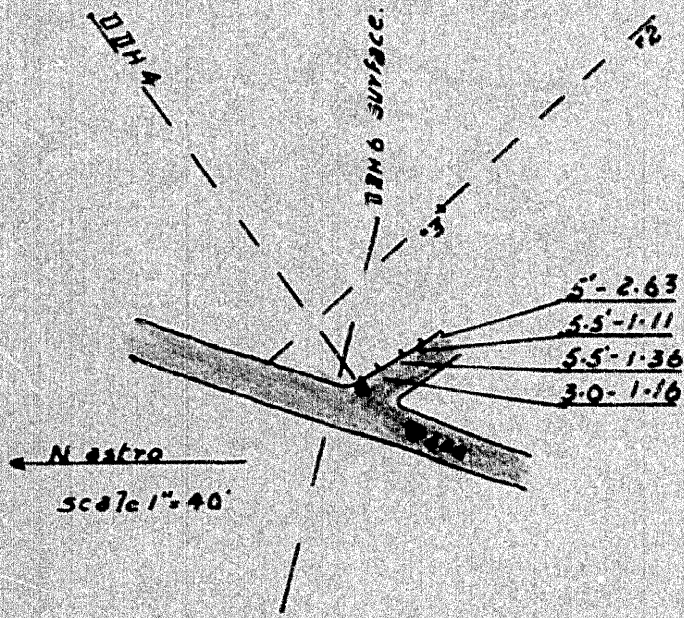
Plan 5 Drift showing locations of DDH 3A:3B:3C.

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1972

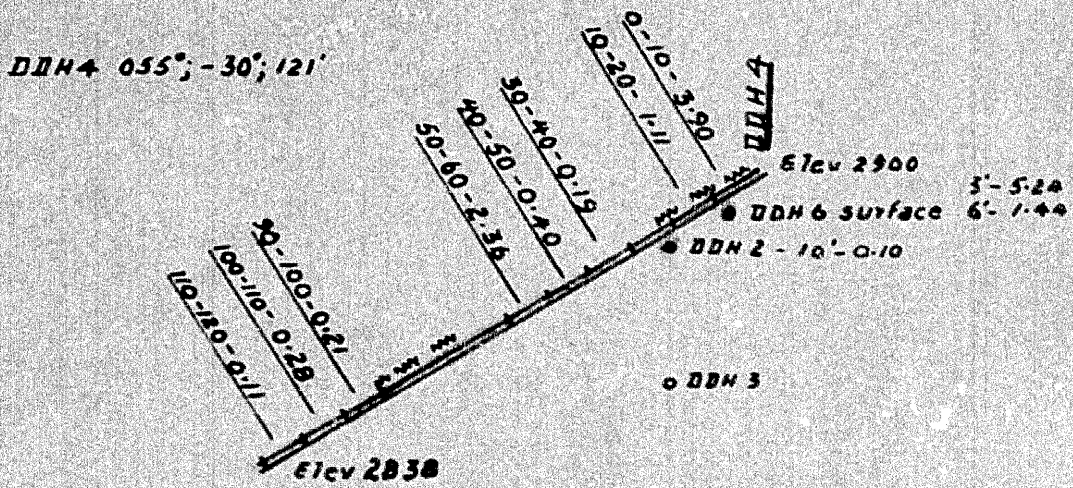


DDH 3A 162'; -30°; 136'  
 DDH 3B 175'; -35°; 163'  
 DDH 3C 150'; -35°; 105'

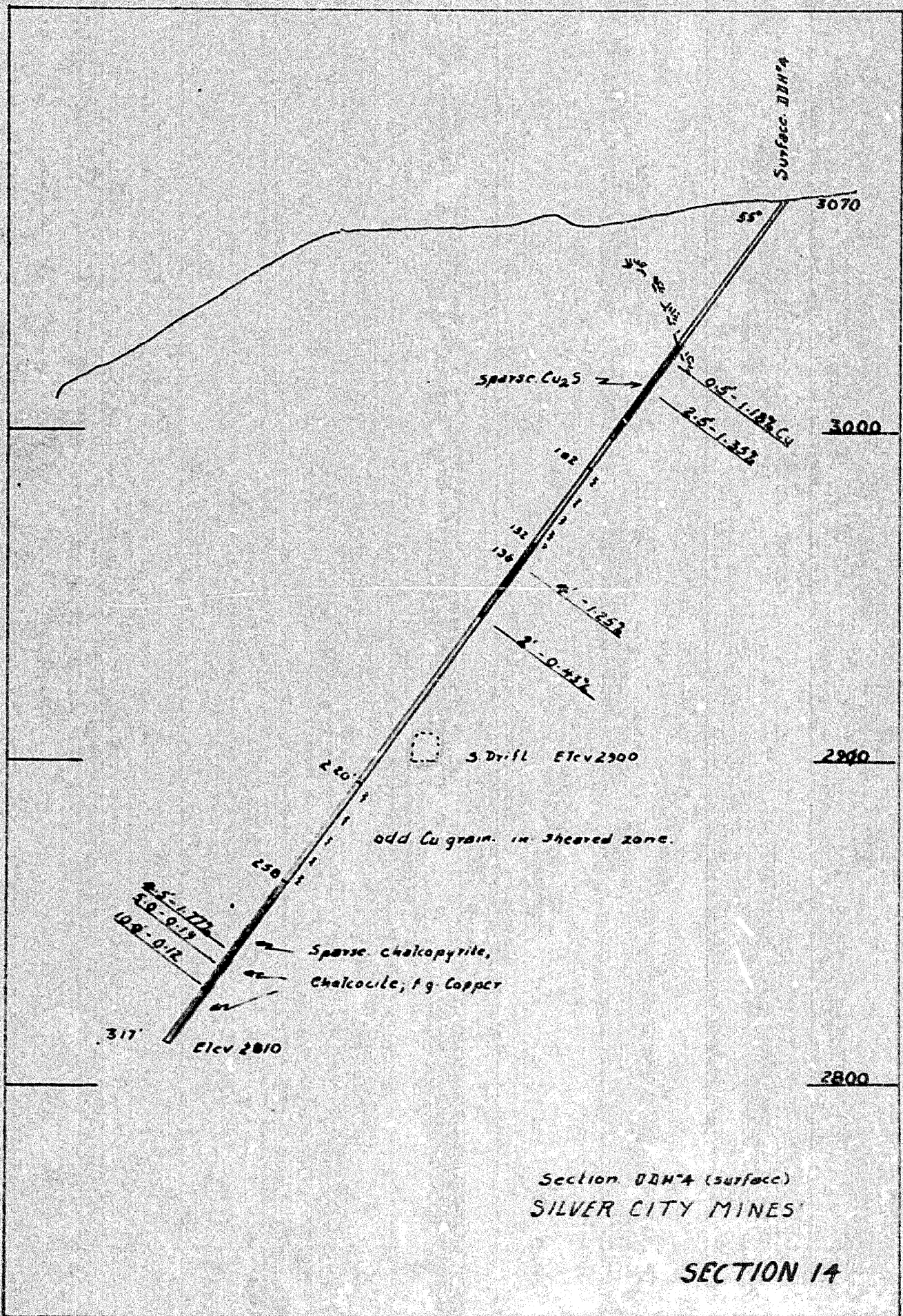
SECTION 3

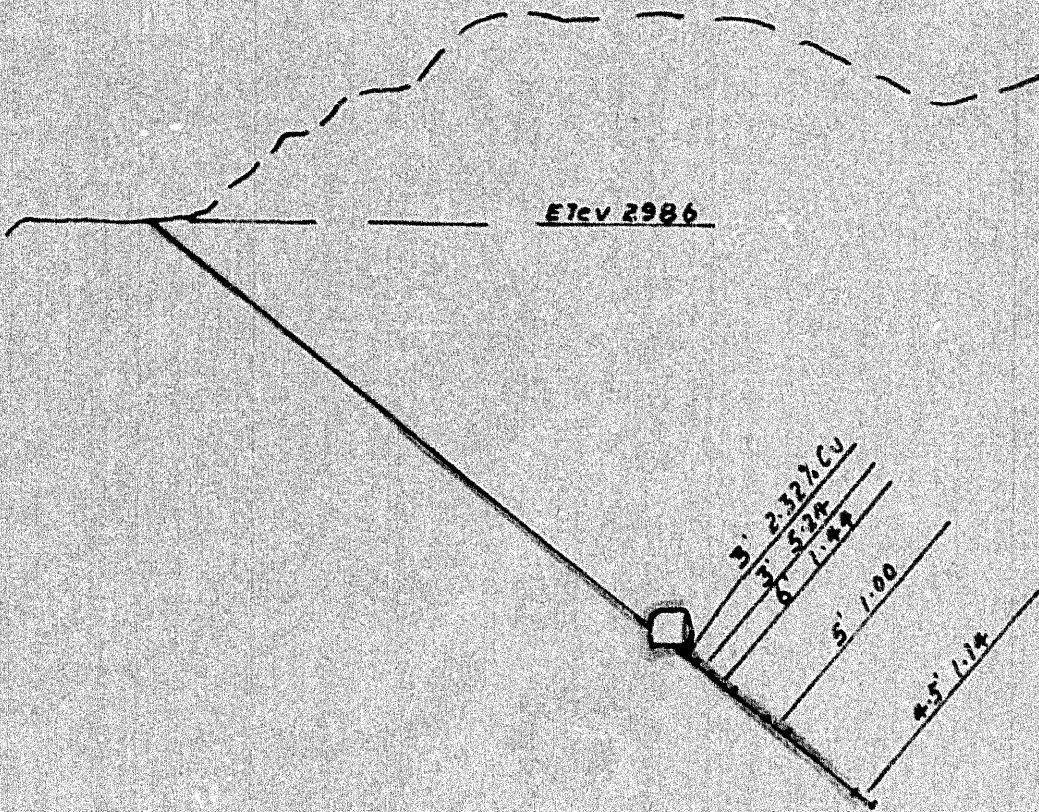


Plan 5 Drift showing locations DDH 4; 2; 3 6 surface.



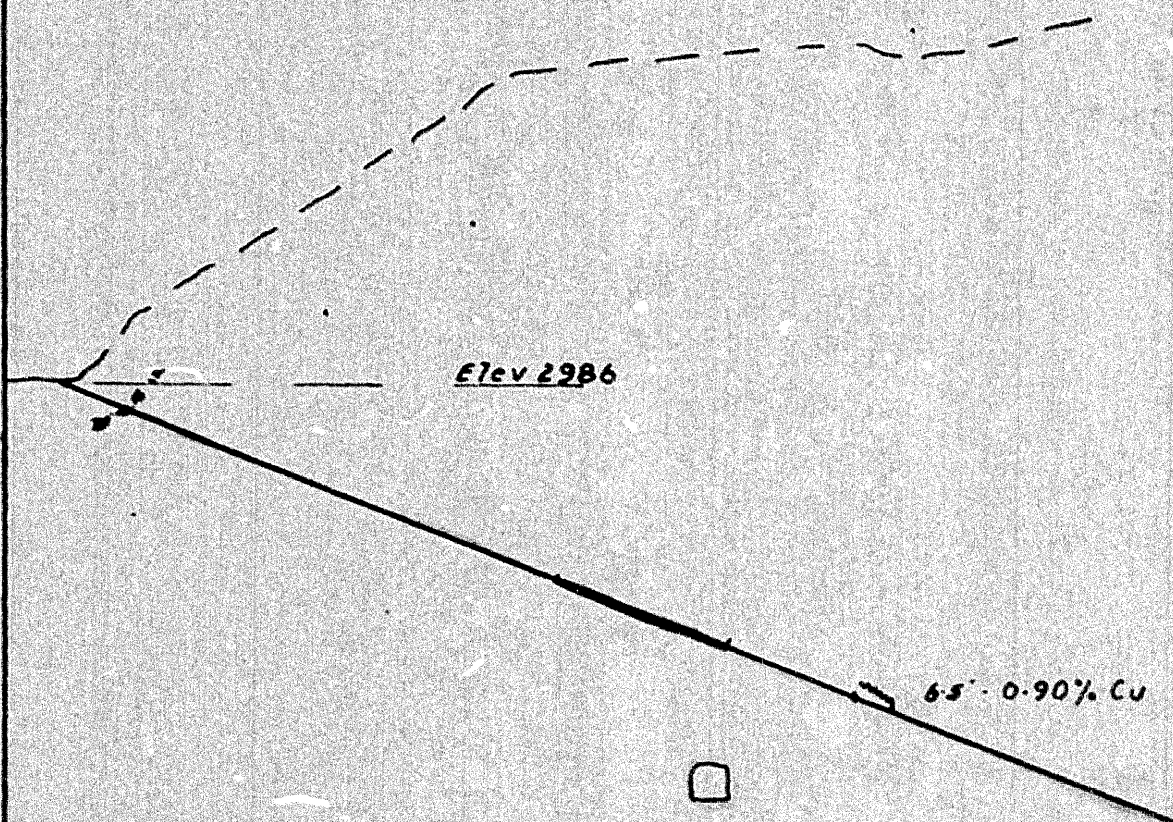
SILVER CITY MINES  
1972





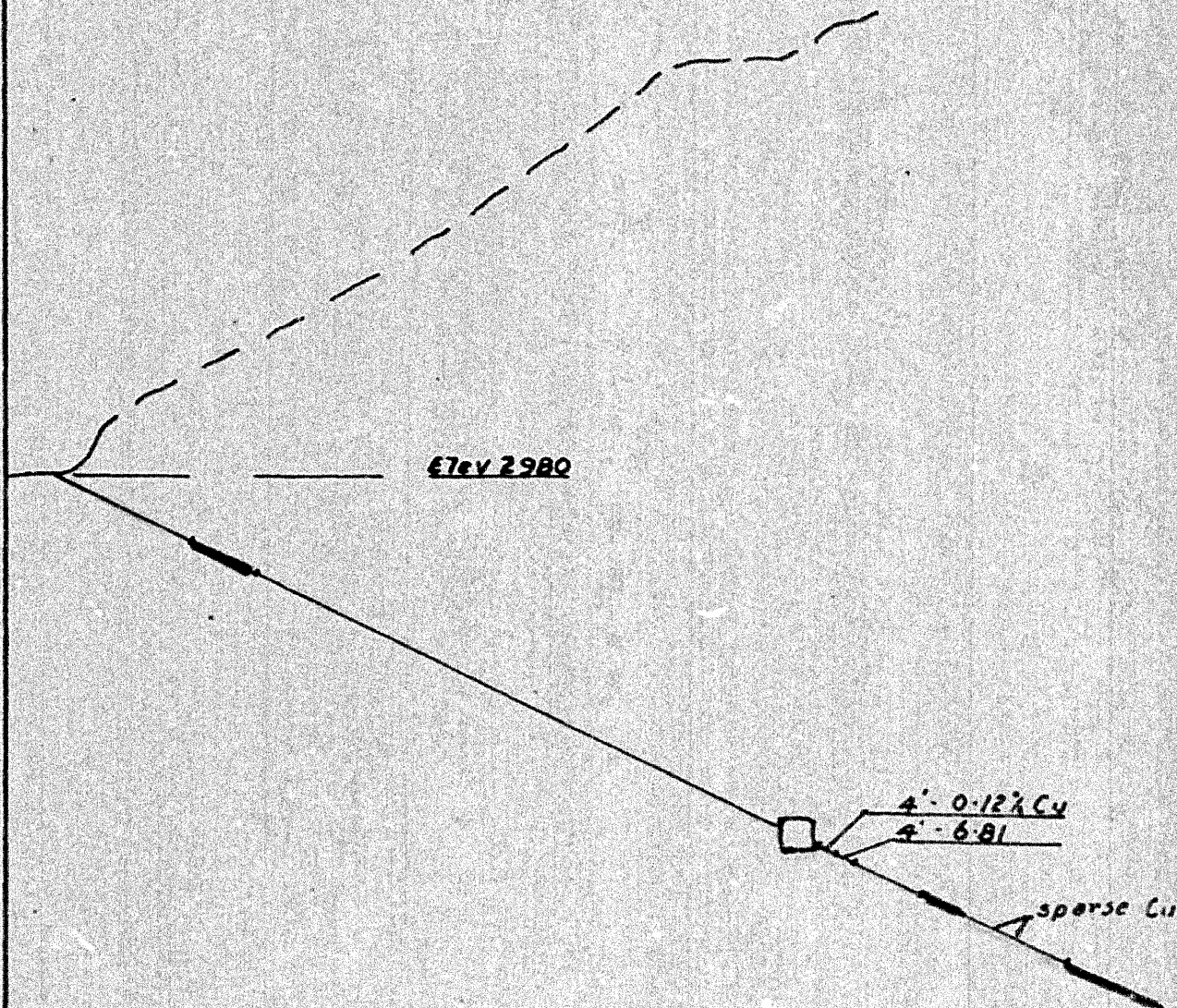
SECTION DDH #6  
 Scale 1"=40' 30<sup>th</sup> June '70

Section #2



SECTION DDH #7  
Scale 1" = 40' 30<sup>th</sup> June '70

Section #16



SECTION DDH #5  
Scale 1" = 40' 30" June '70

Section 17

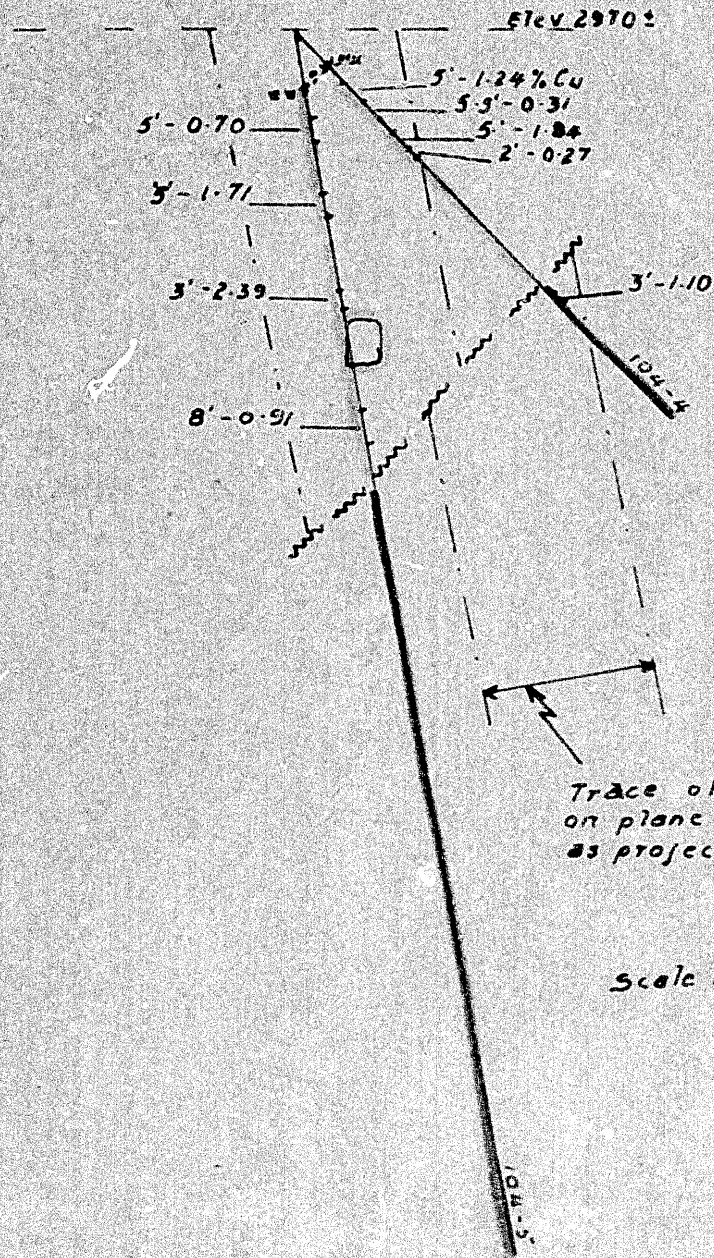


Elev 2970

SECTION DDH #11

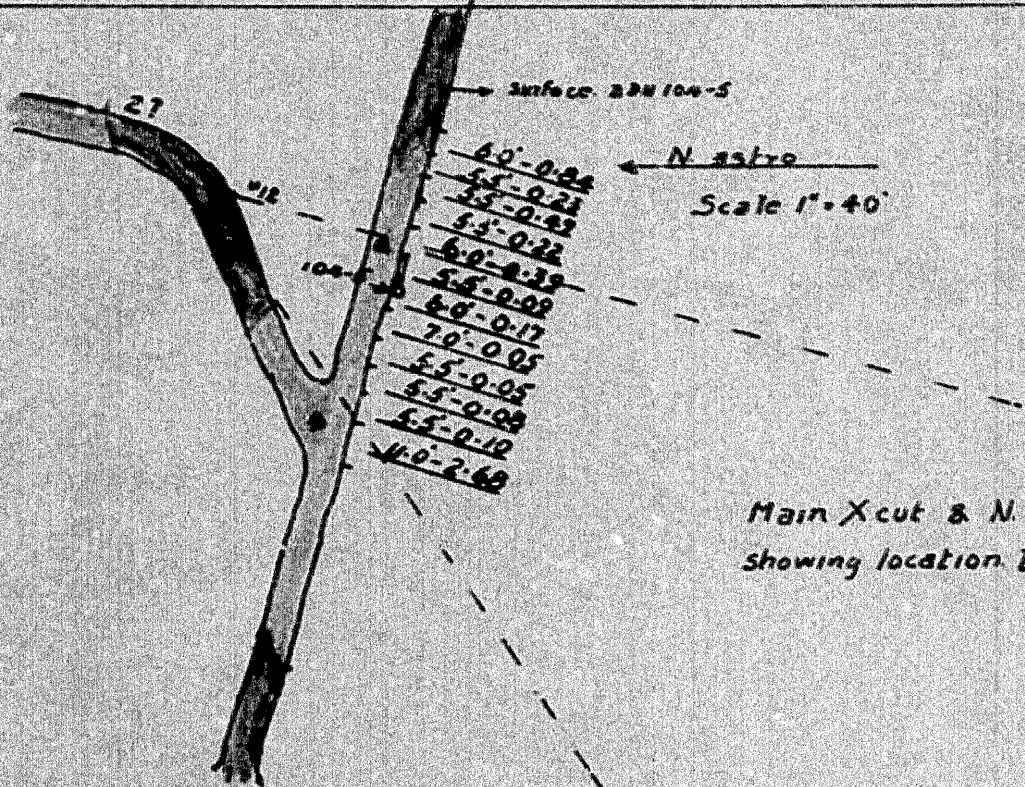
Scale 1" = 40' 30 June '70

Section #5

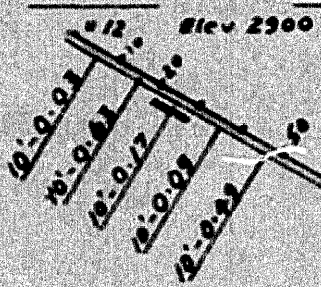


SECTION 20

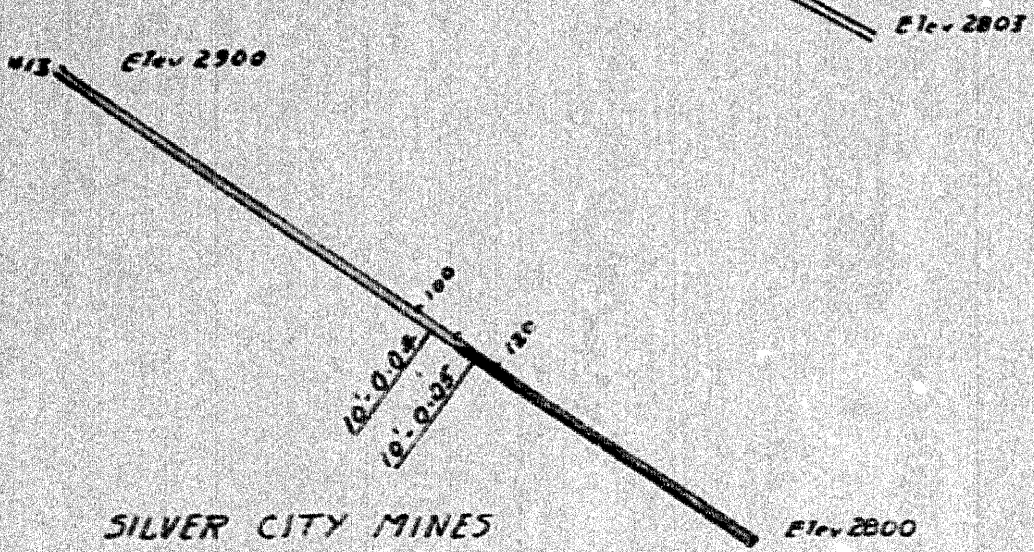
DDH # 104-485



Main Xcut & N. Drift  
showing location DDH 12 & 13



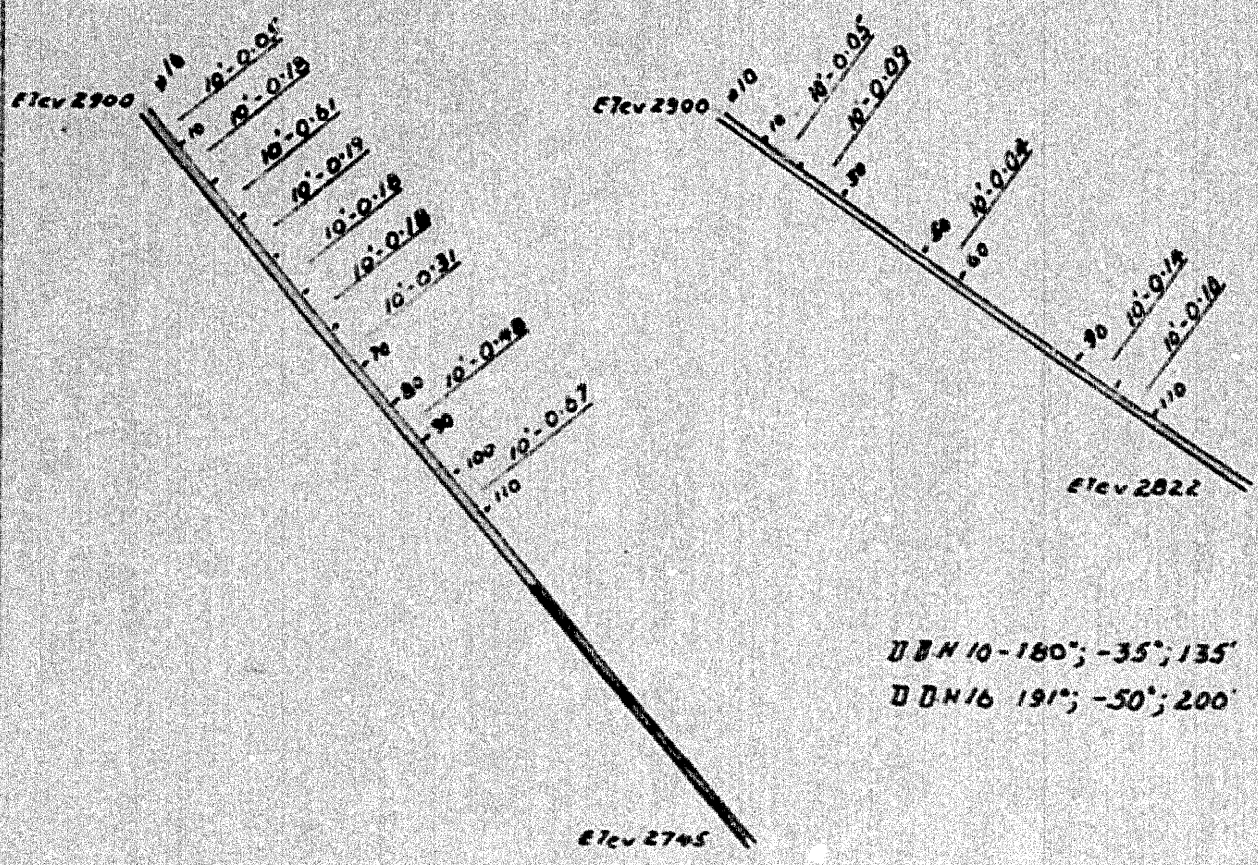
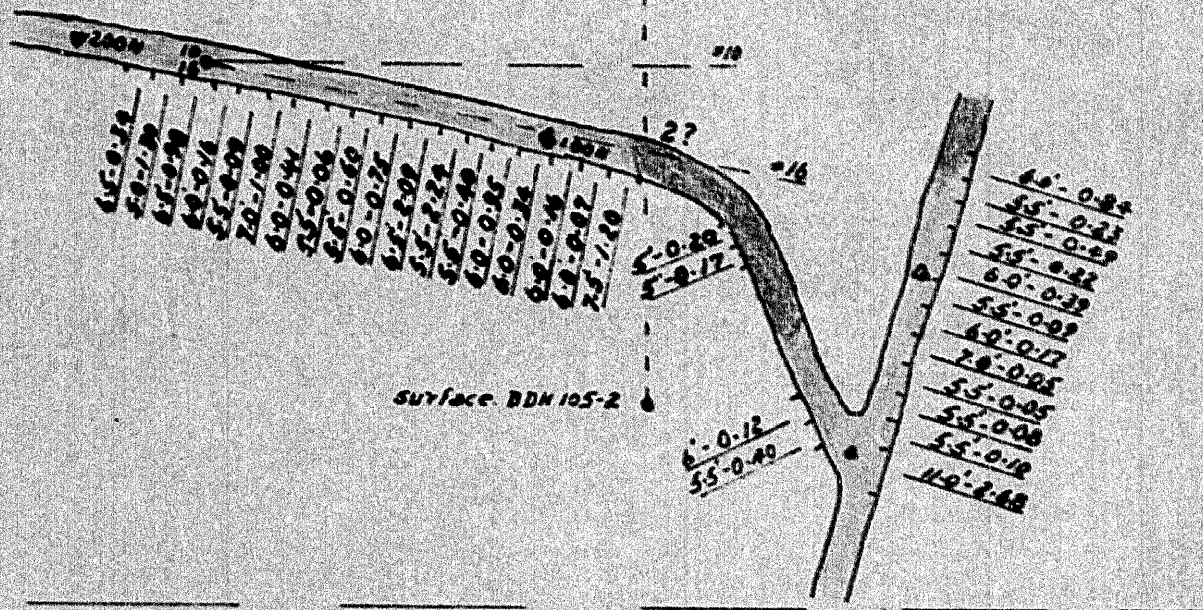
DDH 12 195°, -30°, 197'  
DDH 13 237°, -35°, 176'



N Drift showing location

BDH 105 & 116

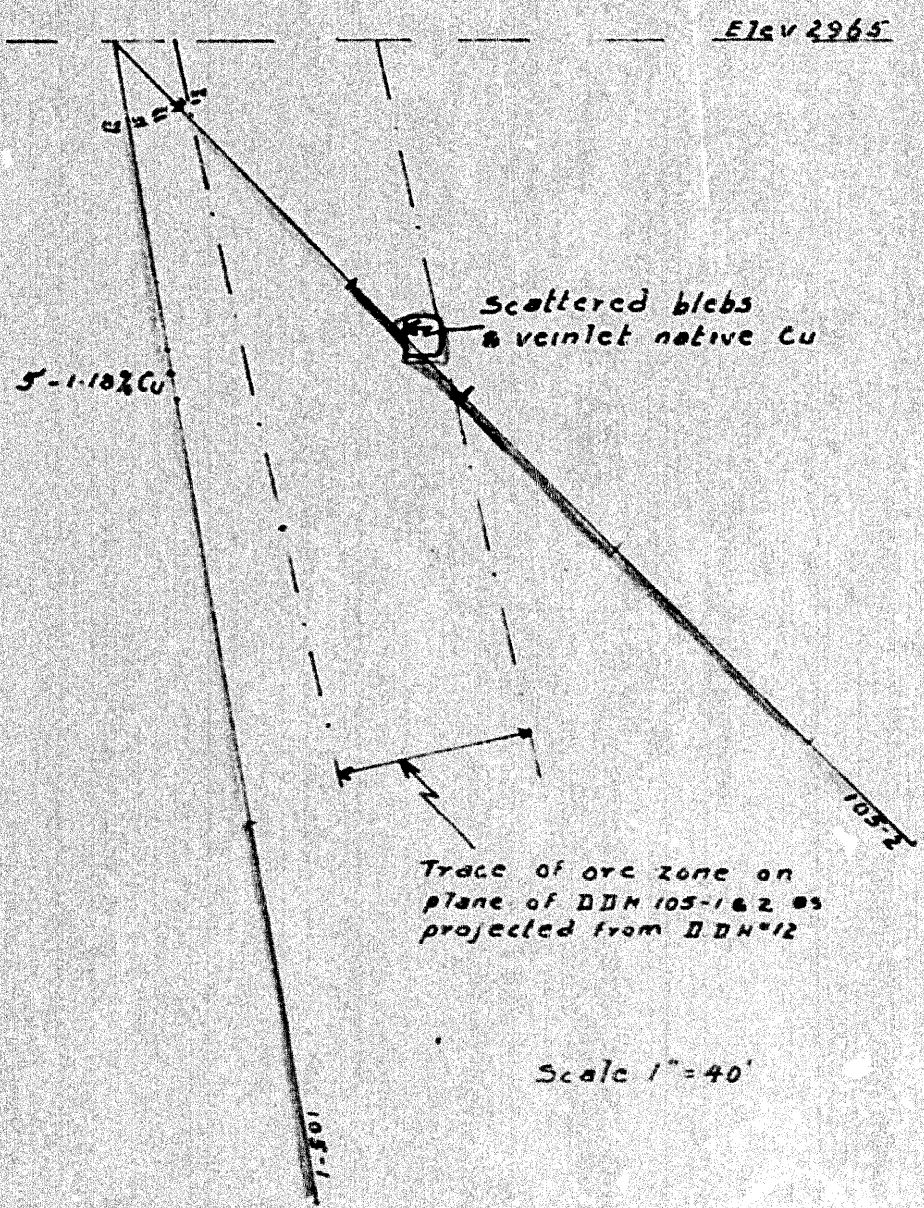
North  
Scale 1" = 40'



BDH 10-180°; -35°; 135°  
BDH 16 191°; -50°; 200°

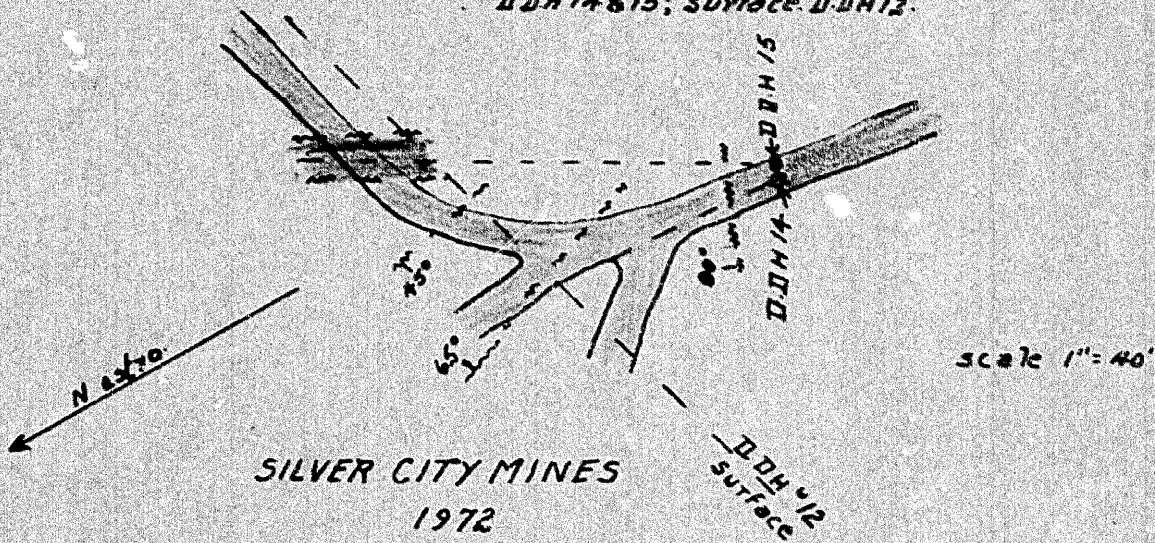
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1972

SECTION 9



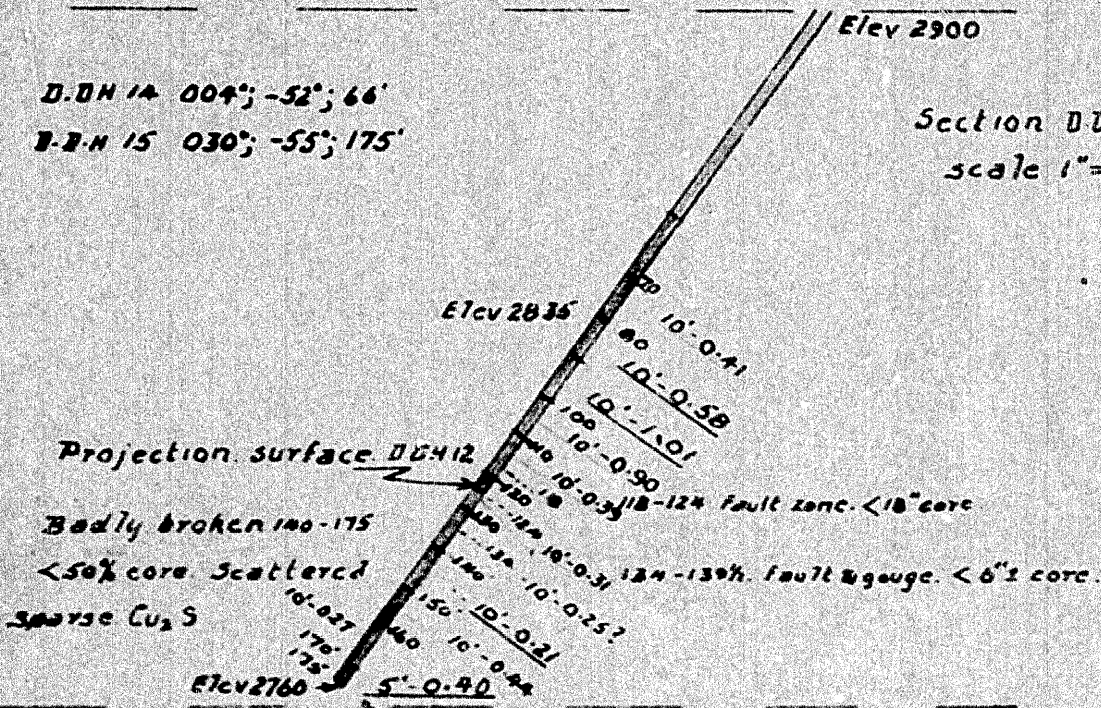
SECTION #21  
DDH 105-1 & 2

Plan N Drift showing locations  
D.D.H. 14 & 15; surface D.D.H. 12.

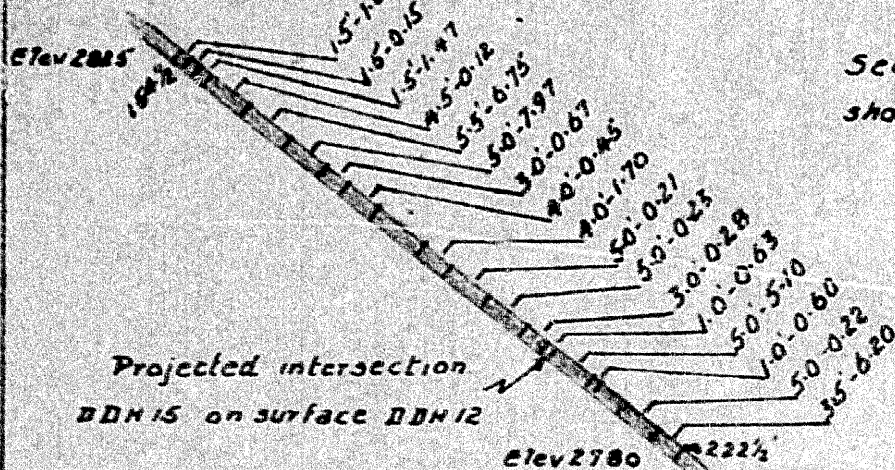


D.D.H. 14 004°; -52°; 66'  
D.D.H. 15 030°; -55°; 175'

Section D.D.H. 15  
scale 1" = 40'

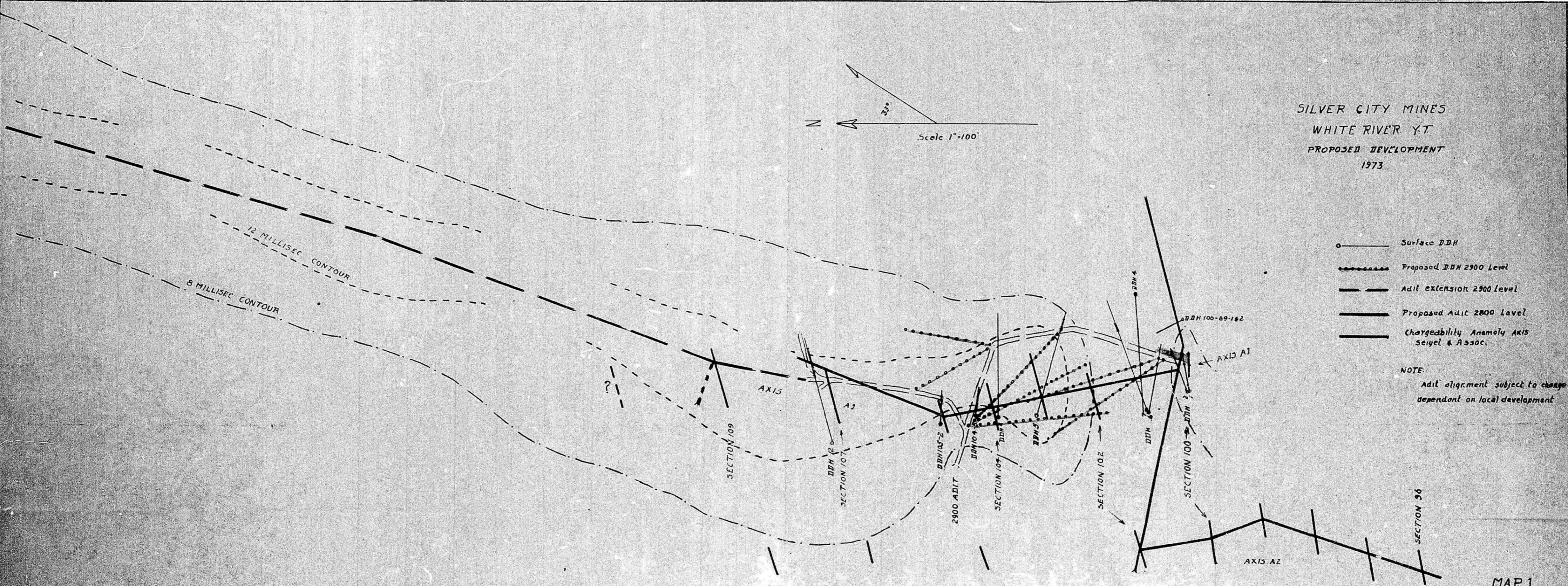
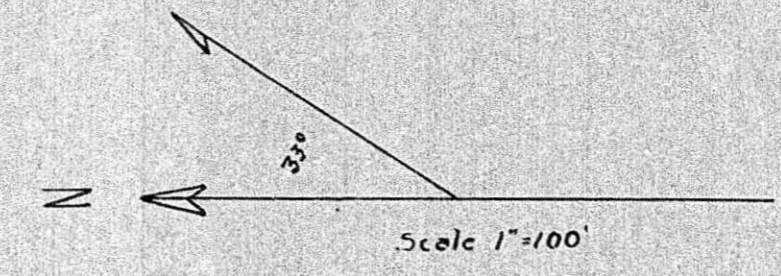


Section surface D.D.H. 12.  
showing ore section  
scale 1" = 20'



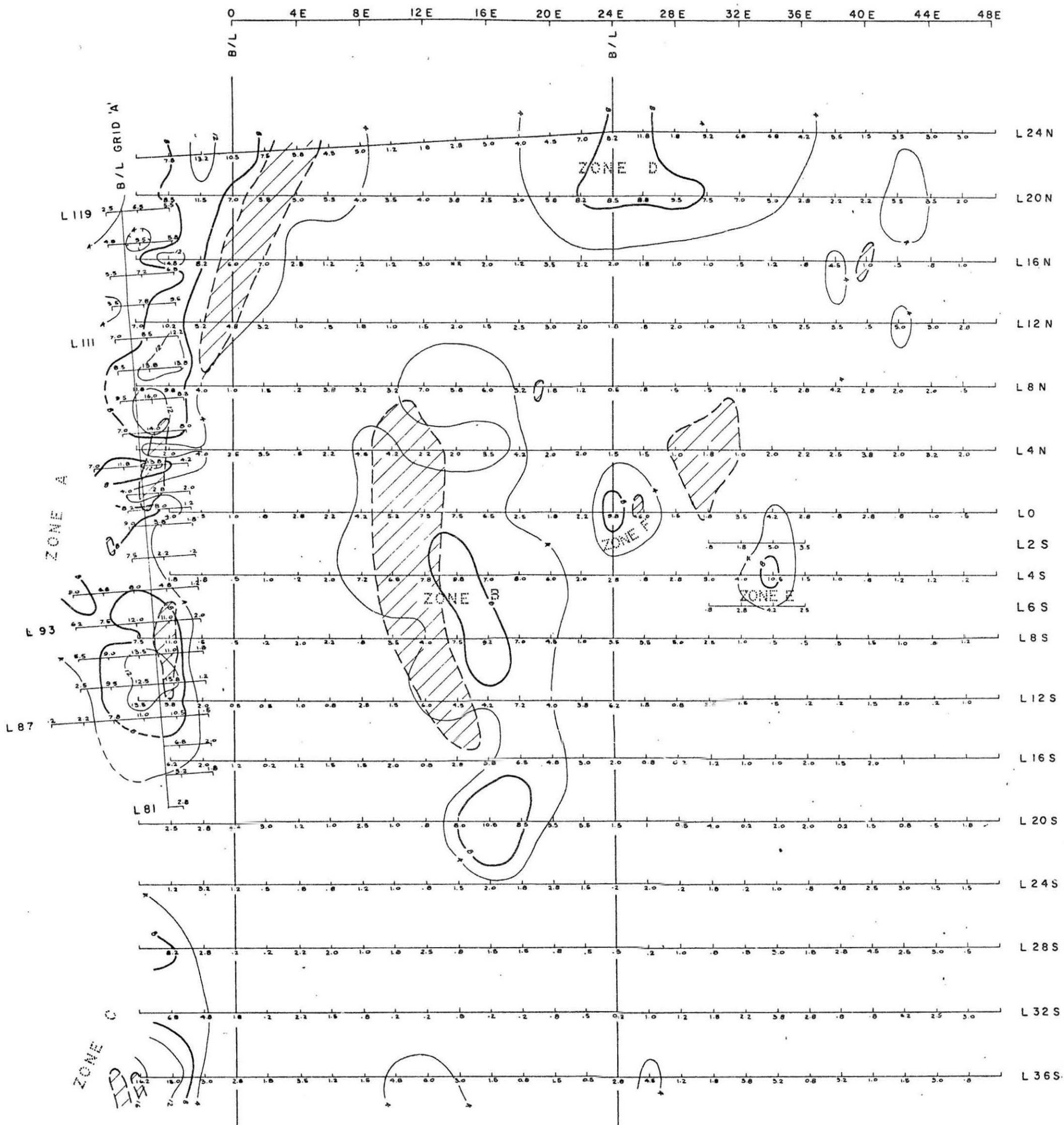
SECTION 11

SILVER CITY MINES  
 WHITE RIVER YT  
 PROPOSED DEVELOPMENT  
 1973



- — Surface D.D.H.
- — Proposed D.D.H. 2900 Level
- Adit extension 2900 Level
- Proposed Adit 2800 Level
- Chargeability Anomaly Axis Seigel & Assoc.

NOTE:  
 Adit alignment subject to change dependent on local development



**CHARGEABILITY CONTOUR PLAN**

**LEGEND:**

- LINE TRACE WITH CHARGEABILITY VALUE IN MILLISECONDS
- CHARGEABILITY CONTOURS 4 MILLISECOND INTERVAL

**NOTES:**

THREE ELECTRODE ARRAY  
 ELECTRODE SPACING  $a = 200'$   
 SEIGEL MK. VI INDUCED POLARIZATION DATA



AREA OF MAGNETIC INTENSITIES IN EXCESS OF 2000 GAMMAS

TO ACCOMPANY A GEOPHYSICAL REPORT BY J.G. BAIRD DATED AUGUST 22, 1968

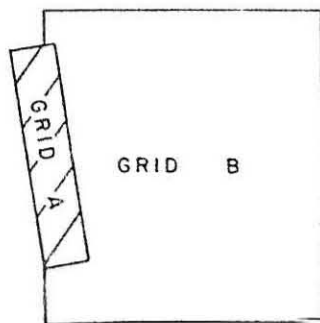
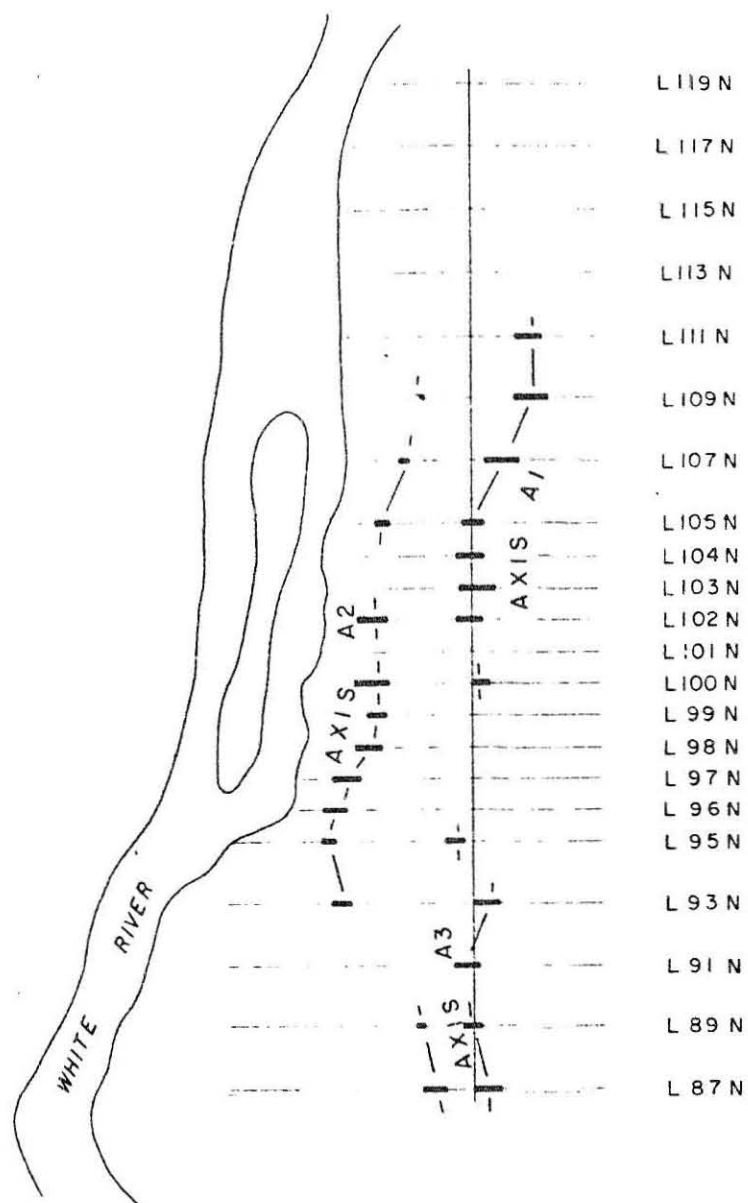
PLATE 2

**UNITED PEMETEX LIMITED**  
 WHITE RIVER AREA, YUKON TERRITORY  
**INDUCED POLARIZATION SURVEY**

SCALE: 1" = 400'

SURVEY BY SEIGEL ASSOCIATES LIMITED  
 JULY - AUGUST, 1968

92 E 96 E 100 E 104 E



**LEGEND:**

— INTERPRETED CHARGEABILITY  
ANOMALY AXIS

PLATE 3  
UNITED PEMETEX LIMITED  
WHITE RIVER AREA, YUKON TERRITORY  
DETAIL INTERPRETATION, ZONE A

SCALE: 1" = 400'

SURVEY BY SEIGEL ASSOCIATES LIMITED  
AUGUST, 1968

TO ACCOMPANY A GEOPHYSICAL REPORT

92E 96E 100E 104E

92E 96E 100E 104E

L 119

L 117

L 115

L 113

L 111

L 109

L 107

L 105

L 104

L 103

L 102

L 101

L 100

L 100 RESISTIVITY

L 99

L 98

L 97

L 95

L 95

L 93

L 91

L 89

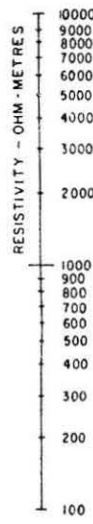
L 89 RESISTIVITY

L 87

L 85

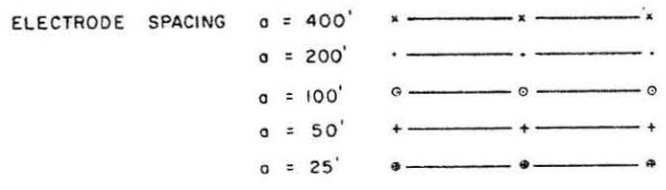
L 83

L 81

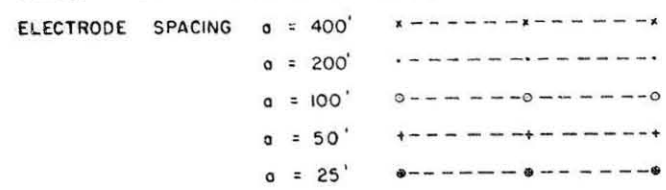


LEGEND:

CHARGEABILITY: SCALE 1" = 10 MILLISECONDS

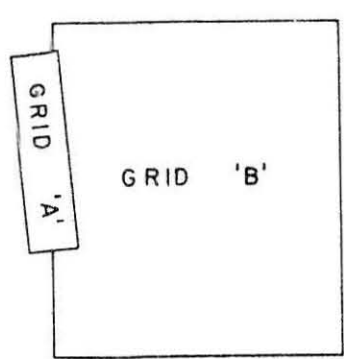


RESISTIVITY: SCALE 2" = 1 LOGARITHMIC CYCLE, WITH LINE TRACE TAKEN AS 1000 OHM-METRES



NOTES:

- THREE ELECTRODE ARRAY
- ELECTRODE SPACING AS INDICATED
- MOVING CURRENT ELECTRODE TO EAST OF ARRAY
- INTERLINE SPACING NOT TO SCALE
- INTERPRETED CHARGEABILITY ANOMALY AXIS



TO ACCOMPANY A GEOPHYSICAL REPORT BY J.G. BAIRD DATED AUGUST 22, 1968

PLATE 5

UNITED PEMETEX LIMITED  
 WHITE RIVER AREA, YUKON TERRITORY  
 INDUCED POLARIZATION SURVEY

GRID A  
 CHARGEABILITY AND RESISTIVITY PROFILE  
 SCALE: 1" = 400'

SURVEY BY SEIGEL ASSOCIATES LIMITED JULY - AUGUST 1968