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Vancouver, B.C.  
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(604) 688-1553

Consulting  
Geologists  
and  
Engineers

**GEOLOGICAL, GEOCHEMICAL, GEOPHYSICAL,  
AND DIAMOND DRILLING  
REPORT ON THE SILVER DOLLAR PROPERTY,  
SALMO, BRITISH COLUMBIA  
VOLUME III**

Latitude: 49° 11' 45" N  
Longitude: 117° 17' 30" W  
NTS: 82F/3W

FOR

**HIGHLAND QUEEN MINES LIMITED  
2120 - 650 West Georgia St.  
Vancouver, British Columbia  
V6B 4N9**

Prepared by

**Reginald L. Faulkner, B.Sc., M.A.Sc.  
David Chromech, B.Sc.**

**FAIRBANK ENGINEERING LIMITED  
Vancouver, B.C.**

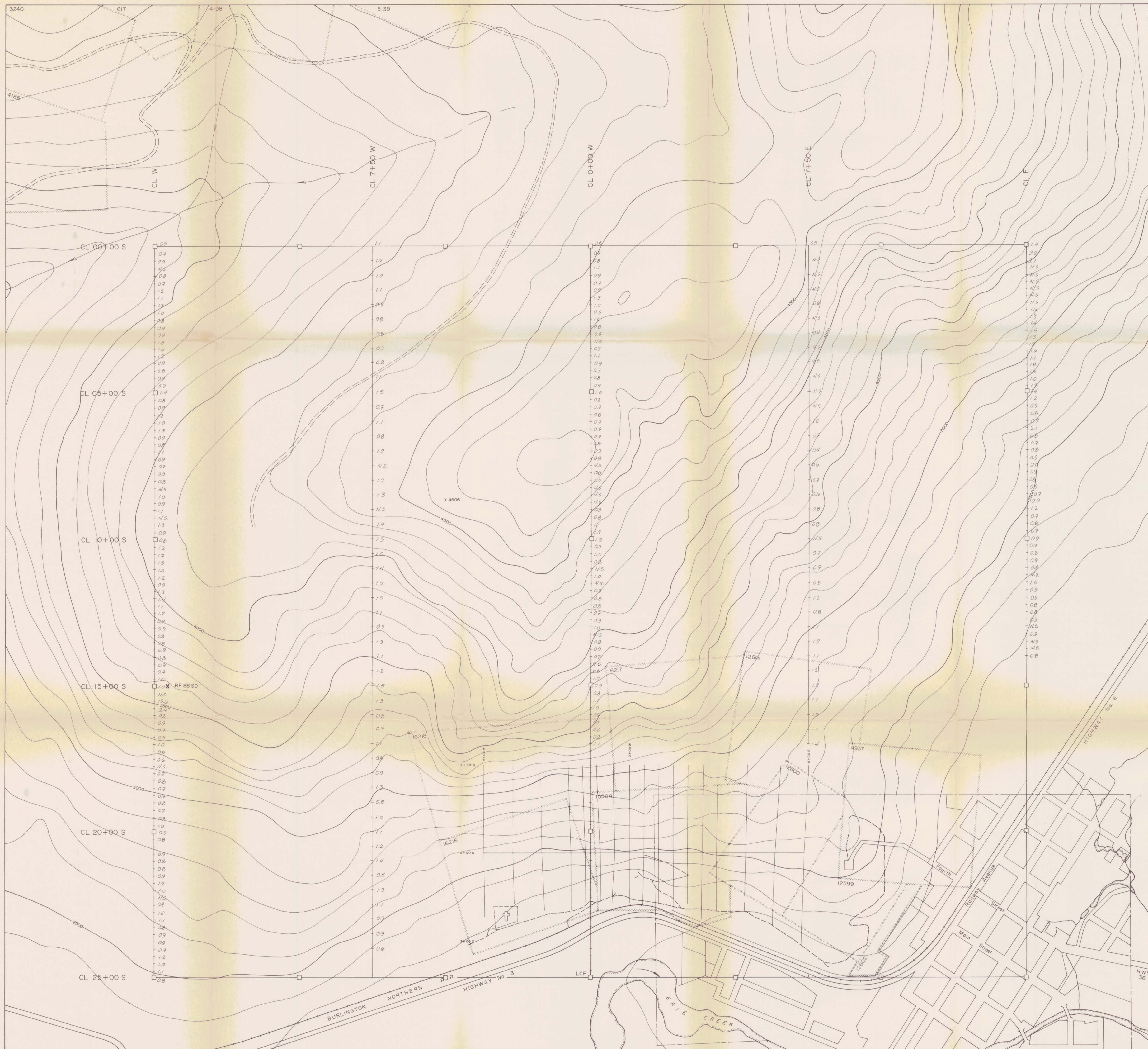
September, 1988  
(Work dates May 14 - August 7, 1988)

18,786

GEOLOGICAL BRANCH  
ASSESSMENT REPORT

Part 3 of 3

FILMED



**LEGEND**

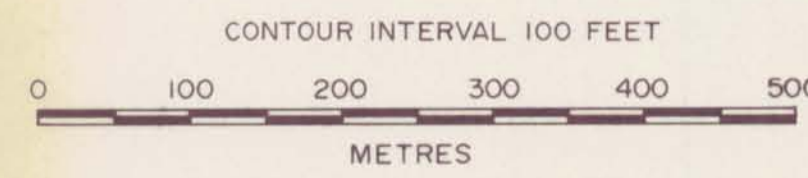
- Creek
- River
- Highway
- Logging roads
- Right of way
- Railway
- Cemetery
- Crown grants
- Mineral claim boundaries
- Claim soil sample grid

**Rock sample location**

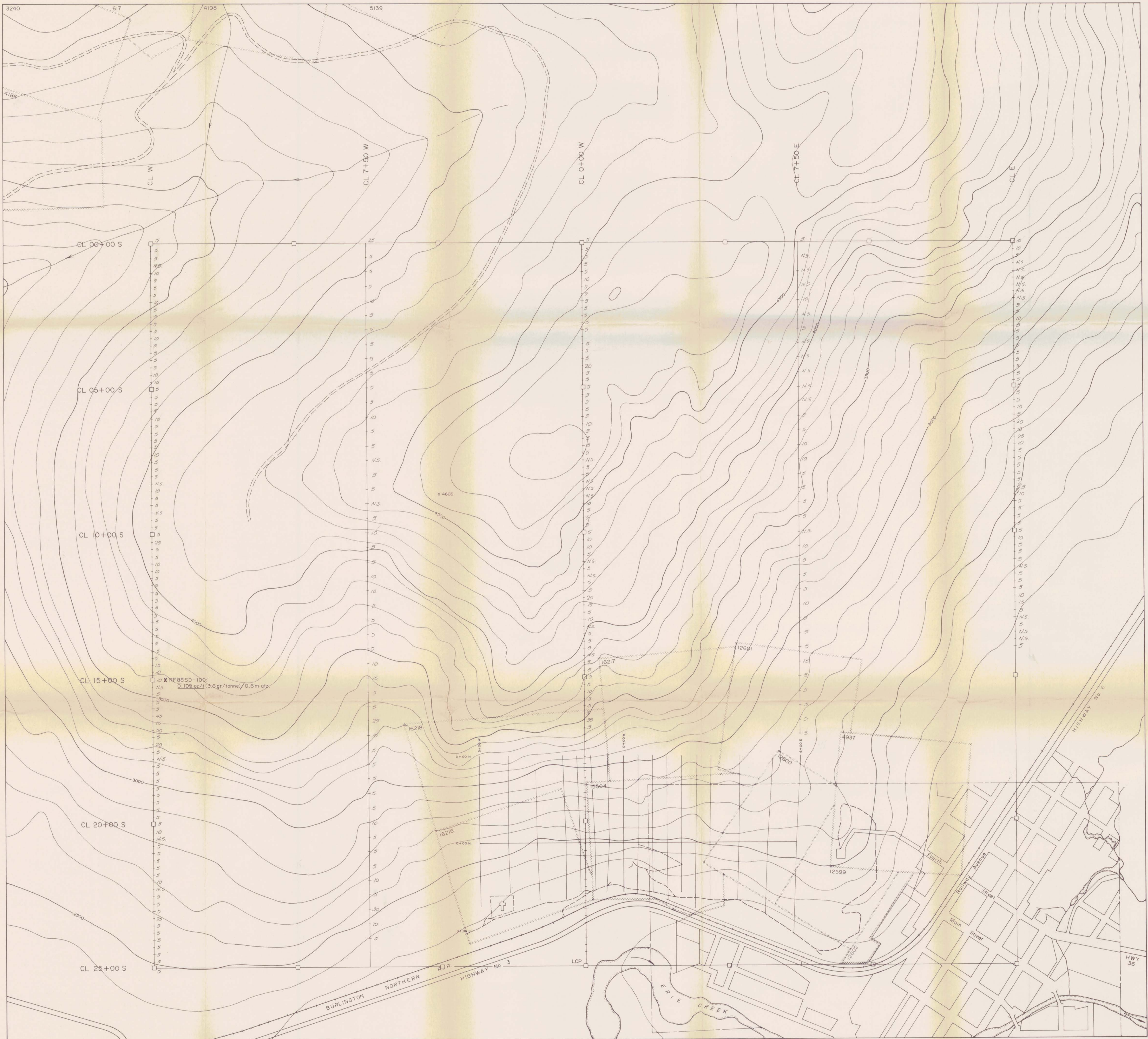
SAMPLE No.	TYPE	VALUE
RF 88SD-100	0.6 m qtz	60.0 ppm Ag
RF 88SD-101	grab rx	2.4 " "
RF 88SD-102	float qtz	0.8 " "
RF 88SD-103	float qtz	2.1 " "

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**GEOLOGICAL BRANCH  
 ASSESSMENT REPORT**

**18,786**



<b>HIGHLAND QUEEN MINES LTD.</b>		
DATE SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D., B.C.	
REVISED	<b>CLAIM SOIL GEOCHEMISTRY SILVER (ppm)</b>	
PROJECT No. 155/88	SURVEY BY: AWP	NTS: 82 F/3
FIGURE No. 17	DRAWN BY: BEM	SCALE: 1:5000
FAIRBANK ENGINEERING LTD.		



**LEGEND**

- Creek
- River
- Highway
- Logging roads
- Right of way
- Railway
- Cemetery
- Crown grants
- Mineral claim boundaries
- Claim soil sample grid
- Rock sample location

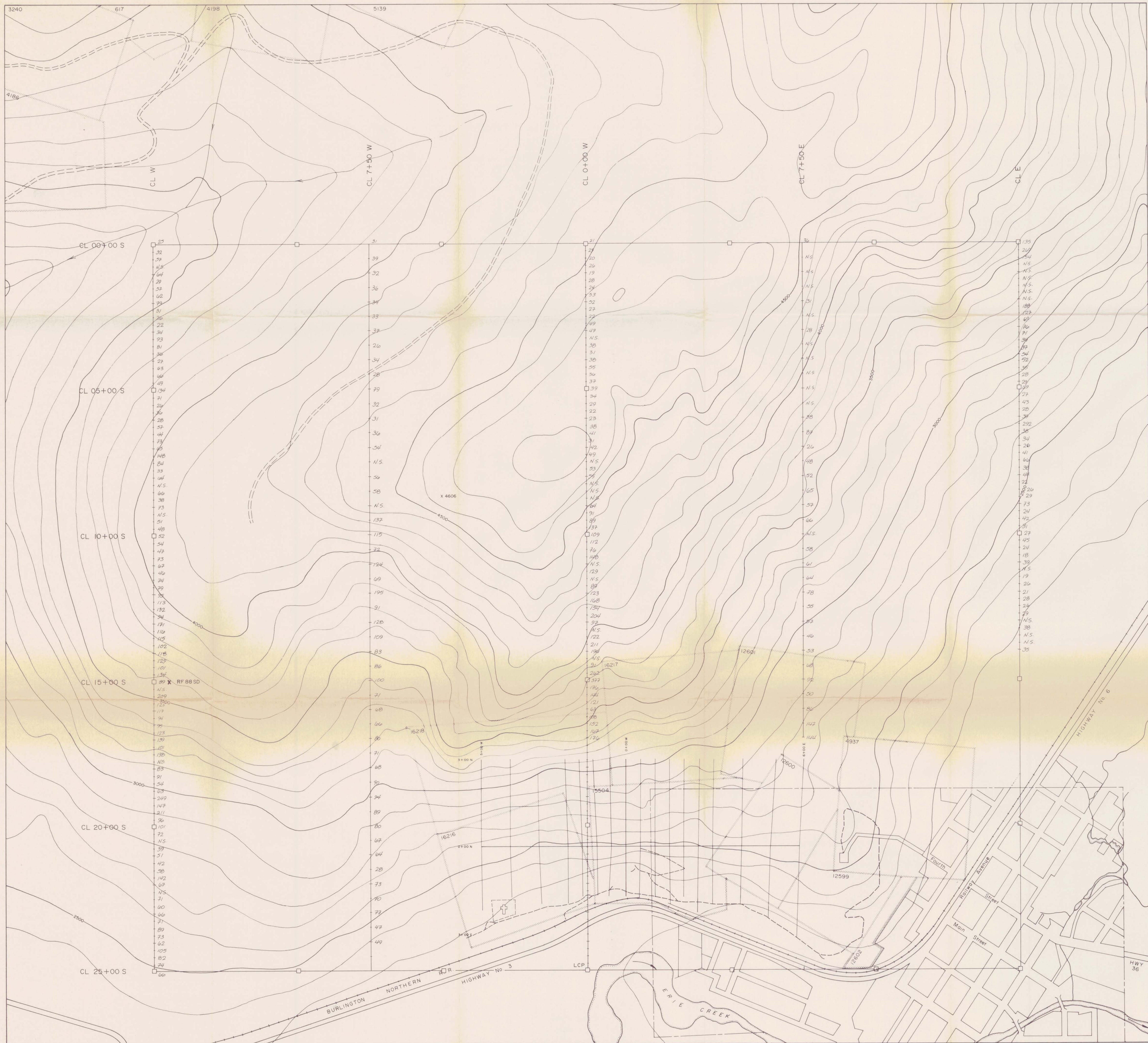
SAMPLE No.	TYPE	VALUE
RF 88SD-100	0.6 m qtz	3110 ppb Au
RF 88SD-101	grab rx	22 " "
RF 88SD-102	float qtz	62 " "
RF 88SD-103	float qtz	960 " "

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**GEOLOGICAL BRANCH  
ASSESSMENT REPORT**

**18,786**



<b>HIGHLAND QUEEN MINES LTD.</b>		
DATE: SEPT/88	SILVER DOLLAR PROPERTY	
REVISED:	NELSON M.D., B.C.	
	<b>CLAIM SOIL GEOCHEMISTRY</b>	
	<b>GOLD (ppb)</b>	
PROJECT No: 155/88	SURVEY BY: AWP	NTS: B2 F/3
	DRAWN BY: BEM	SCALE: 1:5000
FIGURE No: 16	FAIRBANK ENGINEERING LTD.	



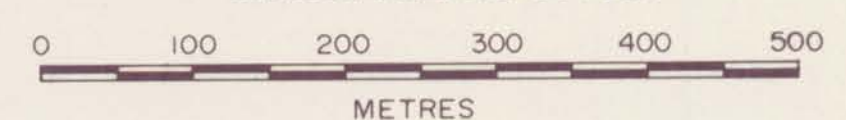
**LEGEND**

- Creek
- River
- Highway
- Logging roads
- Right of way
- Railway
- Cemetery
- Crown grants
- Mineral claim boundaries
- Claim soil sample grid
- Rock sample location

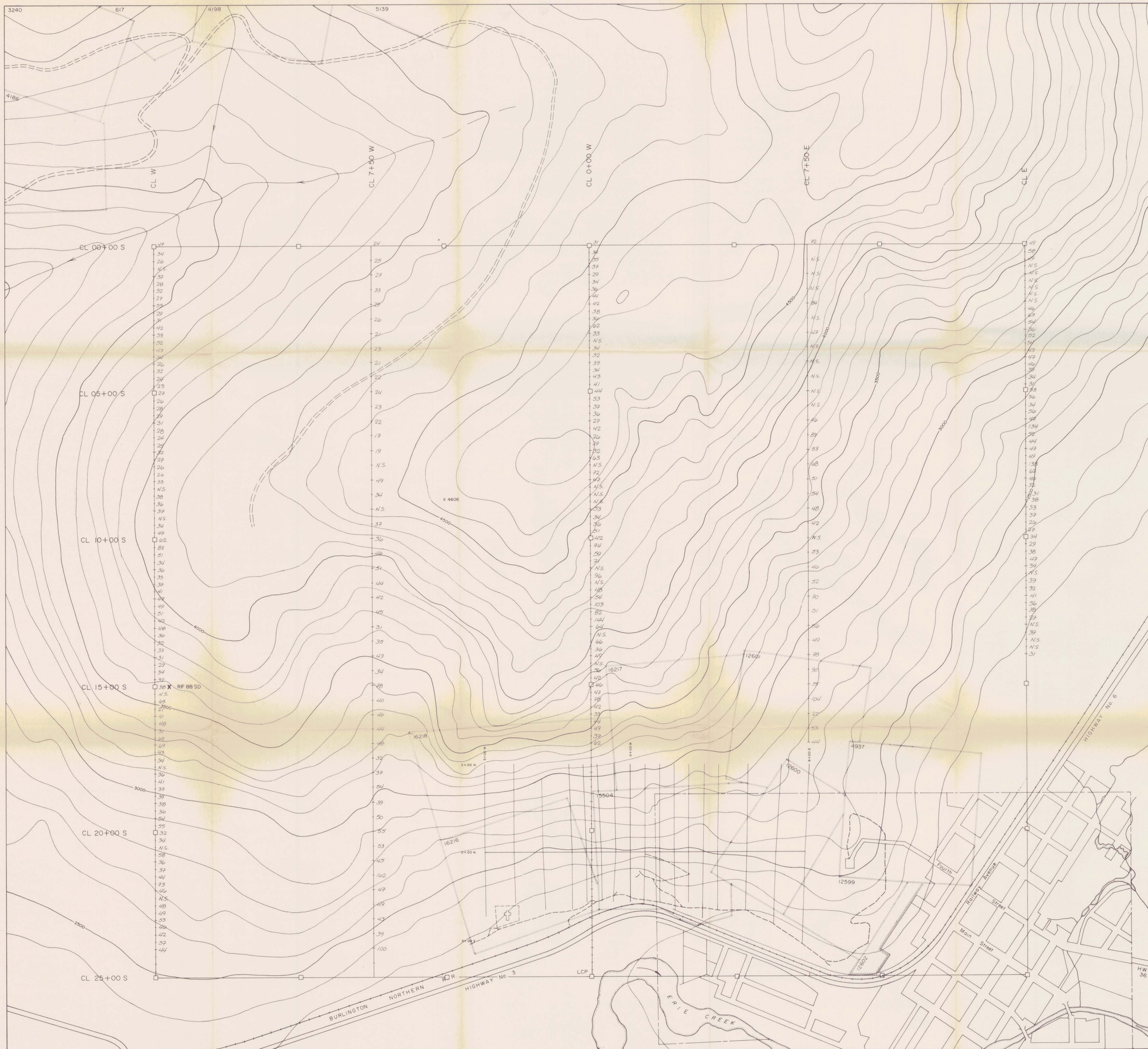
SAMPLE No.	TYPE	VALUE
RF 88SD-100	0.6 m qtz.	90 ppm Cu
RF 88SD-101	grab rx	40 " "
RF 88SD-102	float qtz	19 " "
RF 88SD-103	float qtz	31 " "

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CONTOUR INTERVAL 100 FEET



<b>HIGHLAND QUEEN MINES LTD.</b>		
DATE: SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D., B.C.	
REVISED:	CLAIM SOIL GEOCHEMISTRY COPPER (ppm)	
PROJECT No: 155/88	SURVEY BY: AWP	NTS: 82 F/3
FIGURE No: 19	DRAWN BY: BEM	SCALE: 1:5000
FAIRBANK ENGINEERING LTD.		



**LEGEND**

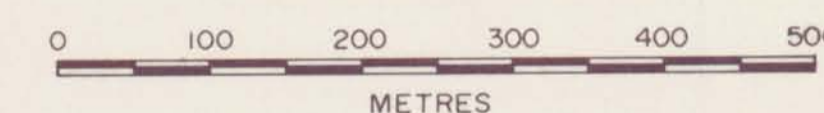
- Creek
- River
- Highway
- Logging roads
- Right of way
- Railway
- Cemetery
- Crown grants
- Mineral claim boundaries
- Claim soil sample grid
- Rock sample location

SAMPLE No.	TYPE	VALUE
RF 88SD-100	0.6 m qtz	182 ppm Pb
RF 88SD-101	grab rx	49 " "
RF 88SD-102	float qtz	34 " "
RF 88SD-103	float qtz	411 " "

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CONTOUR INTERVAL 100 FEET



**HIGHLAND QUEEN MINES LTD.**

DATE SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D., B.C.	
REVISED	CLAIM SOIL GEOCHEMISTRY LEAD (ppm)	
PROJECT No 155/88	SURVEY BY: AWP	NTS: 82 F/3
FIGURE No 18	DRAWN BY: BEM	SCALE: 1:5000
	FAIRBANK ENGINEERING LTD.	



**LEGEND**

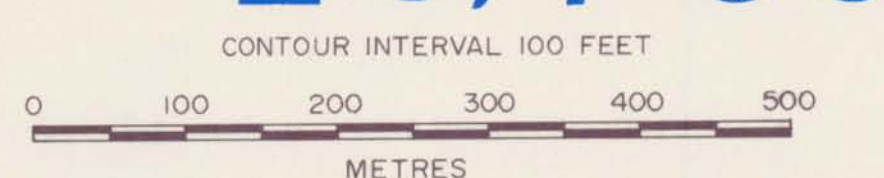
- Creek
- River
- Highway
- Logging roads
- Right of way
- Railway
- Cemetery
- Crown grants
- Mineral claim boundaries
- Claim soil sample grid
- Rock sample location

SAMPLE No.	TYPE	Zn (ppm)	As (ppm)	Sb (ppm)
RF 88SD-100	0.6 m qtz	98	1629	47
RF 88SD-101	grab rx	67	107	1
RF 88SD-102	float qtz	47	560	7
RF 88SD-103	float qtz	462	504	10

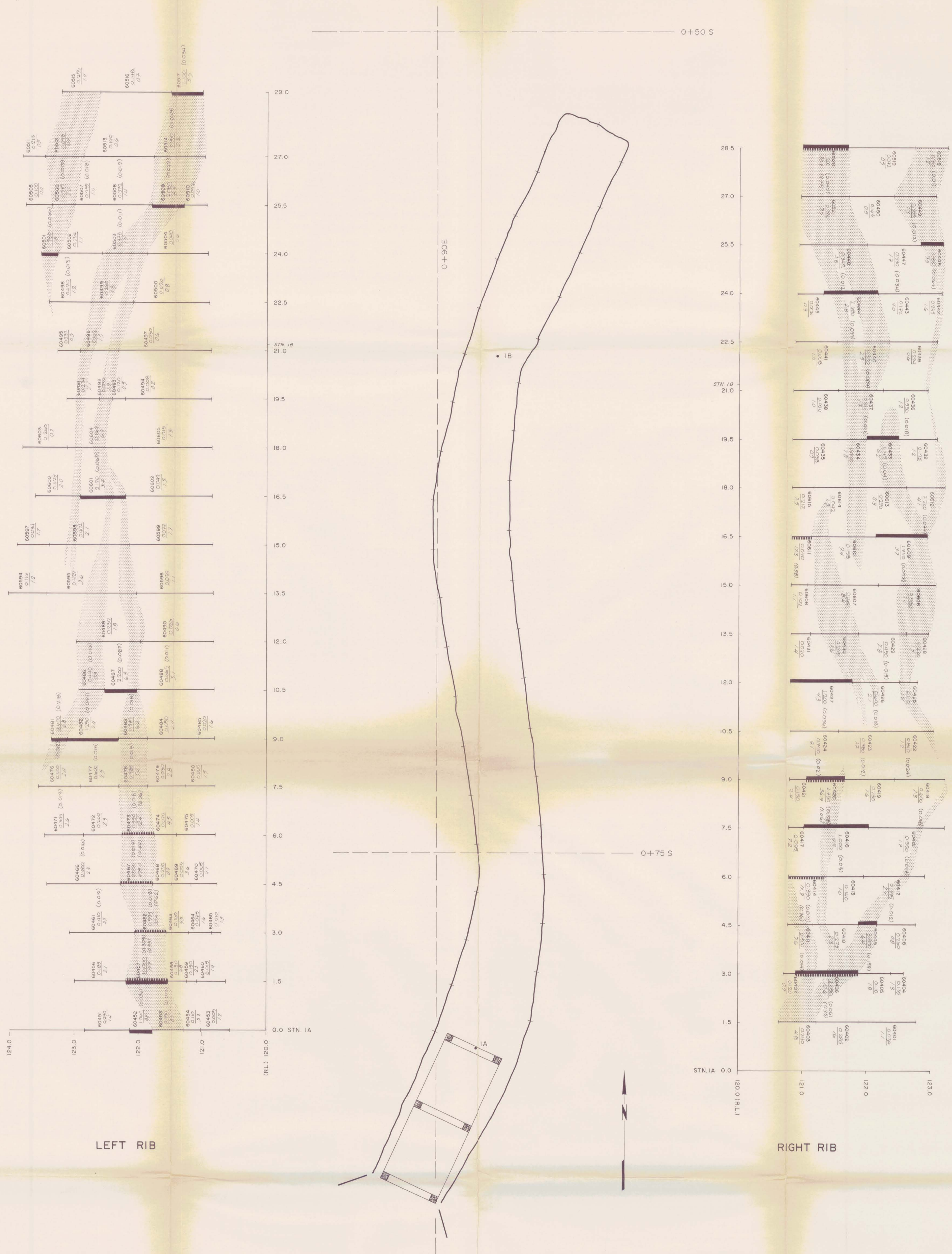
NOTE: As = Arsenic  
Sb = Antimony

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HIGHLAND QUEEN MINES LTD.	
DATE SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D.B.C.
REVISION	CLAIM SOIL GEOCHEMISTRY ZINC (ppm)
PROJECT No. 155/88	SURVEY BY: AWP DRAWN BY: BEM
FIGURE No. 20	NTS: B2 F/3 SCALE: 1:5000
FAIRBANK ENGINEERING LTD.	

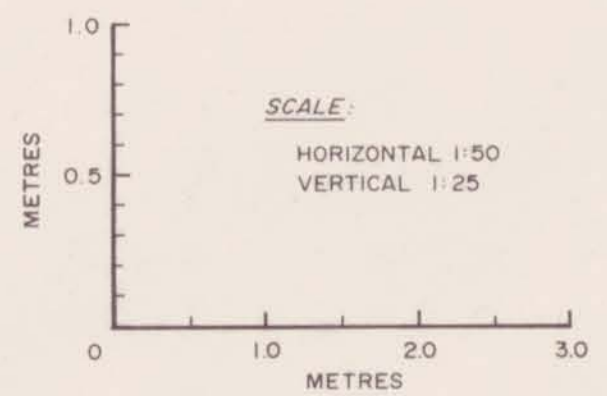


LEFT RIB

RIGHT RIB

**LEGEND**

- Drift
- Survey stations
- Sample intervals & numbers  
Geochem values & Assay results  
Au (ppm) (Au (oz/t))  
Ag (ppm) (Ag (oz/t))
- Anomalous gold
- Anomalous silver
- Quartz showings

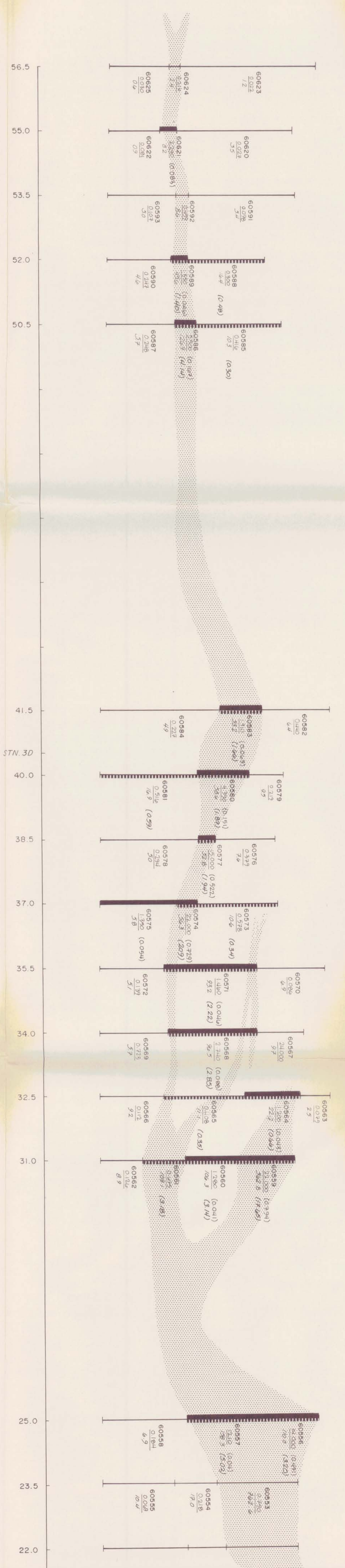
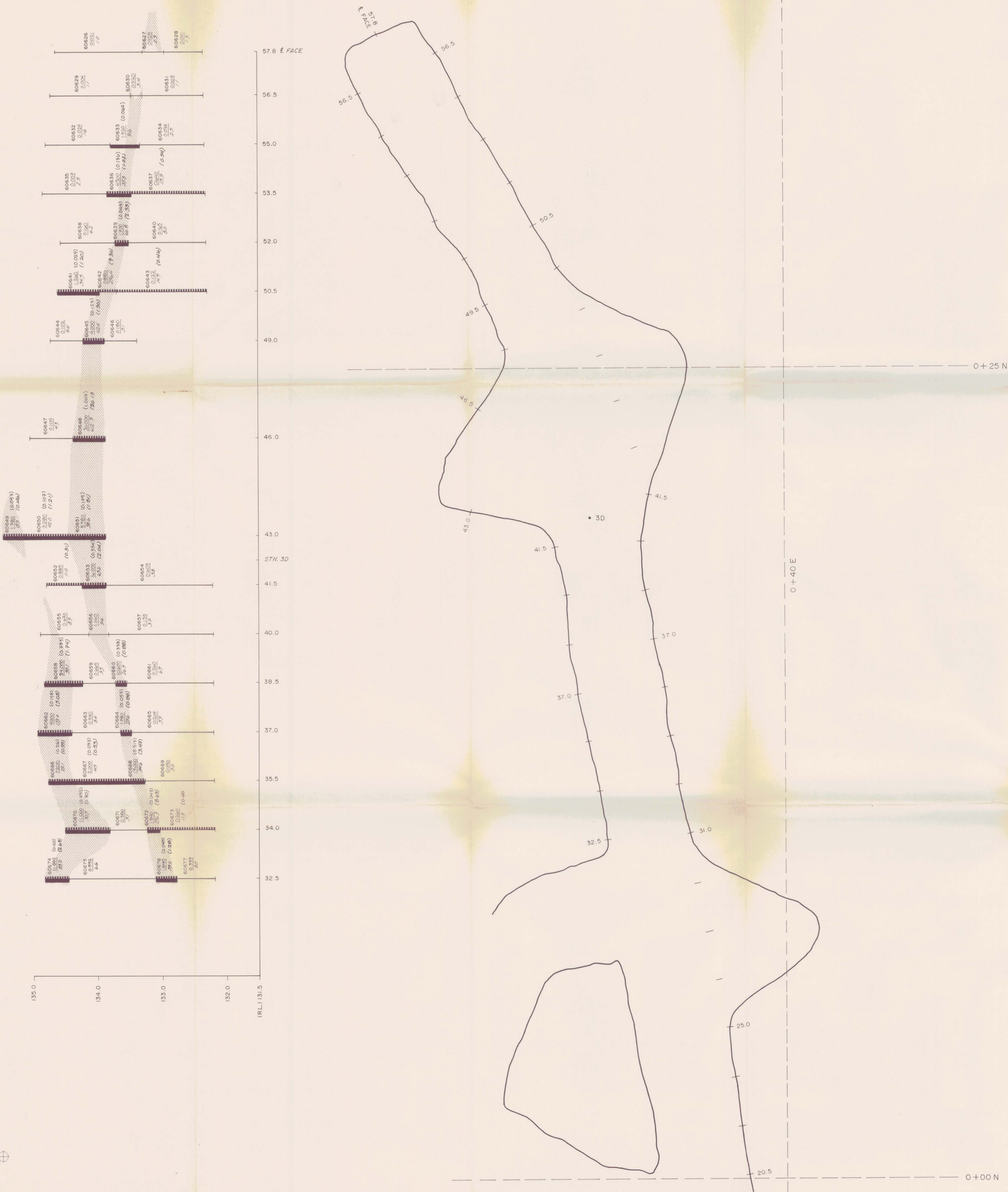


**NOTE:**  
Relative Level (R.L.) is based on an elevation of 120.0 m at Station I4. (See Figure 9)

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**GEOLOGICAL BRANCH  
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<b>HIGHLAND QUEEN MINES LTD.</b>		
DATE: SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D., B.C.	
REVISED:		
<b>DRIFT 1: GOLD/SILVER ROCK GEOCHEMISTRY</b>		
PROJECT No: 155/88	SURVEY BY: RLF et al	NTS: B2 F/3
FIGURE No: 21	DRAWN BY: BEM	SCALE:
<b>FAIRBANK ENGINEERING LTD.</b>		



**LEGEND**

|| Drift

• 3A Survey stations

60794 5.220 (0.18) 53.7 (2.22)  
Geochem values & Assay results  
Au (ppm) (Au (oz/11))  
Ag (ppm) (Ag (oz/11))

■ Anomalous gold

■ Anomalous silver

■ Quartz showings

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SCALE  
HORIZONTAL 1:50  
VERTICAL 1:25

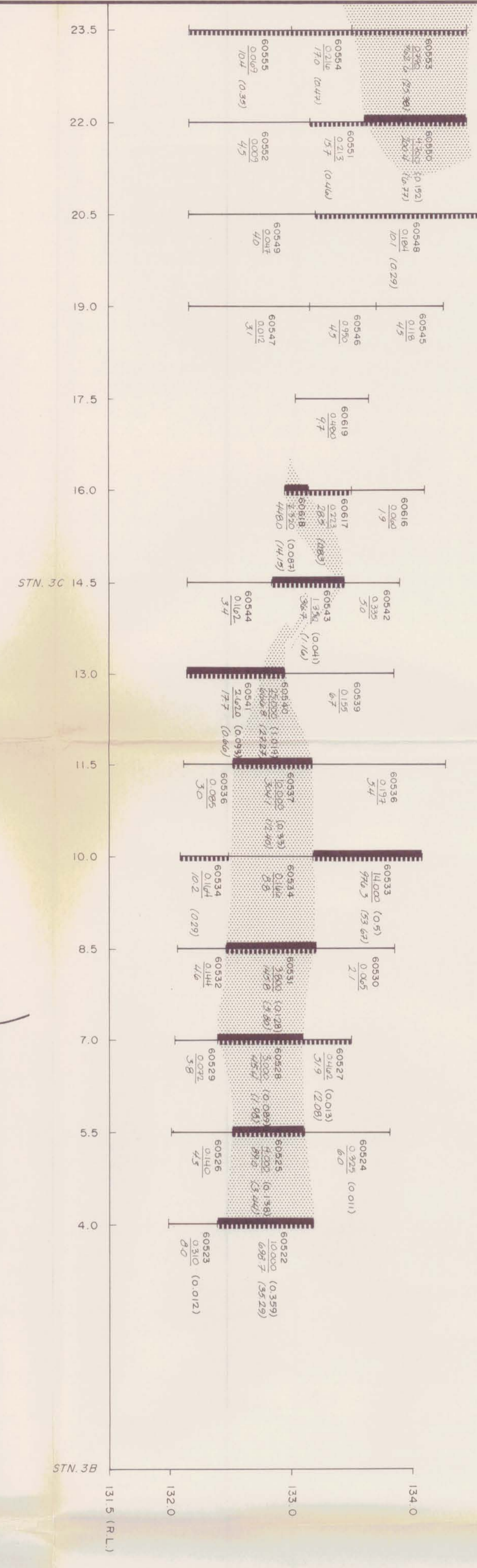
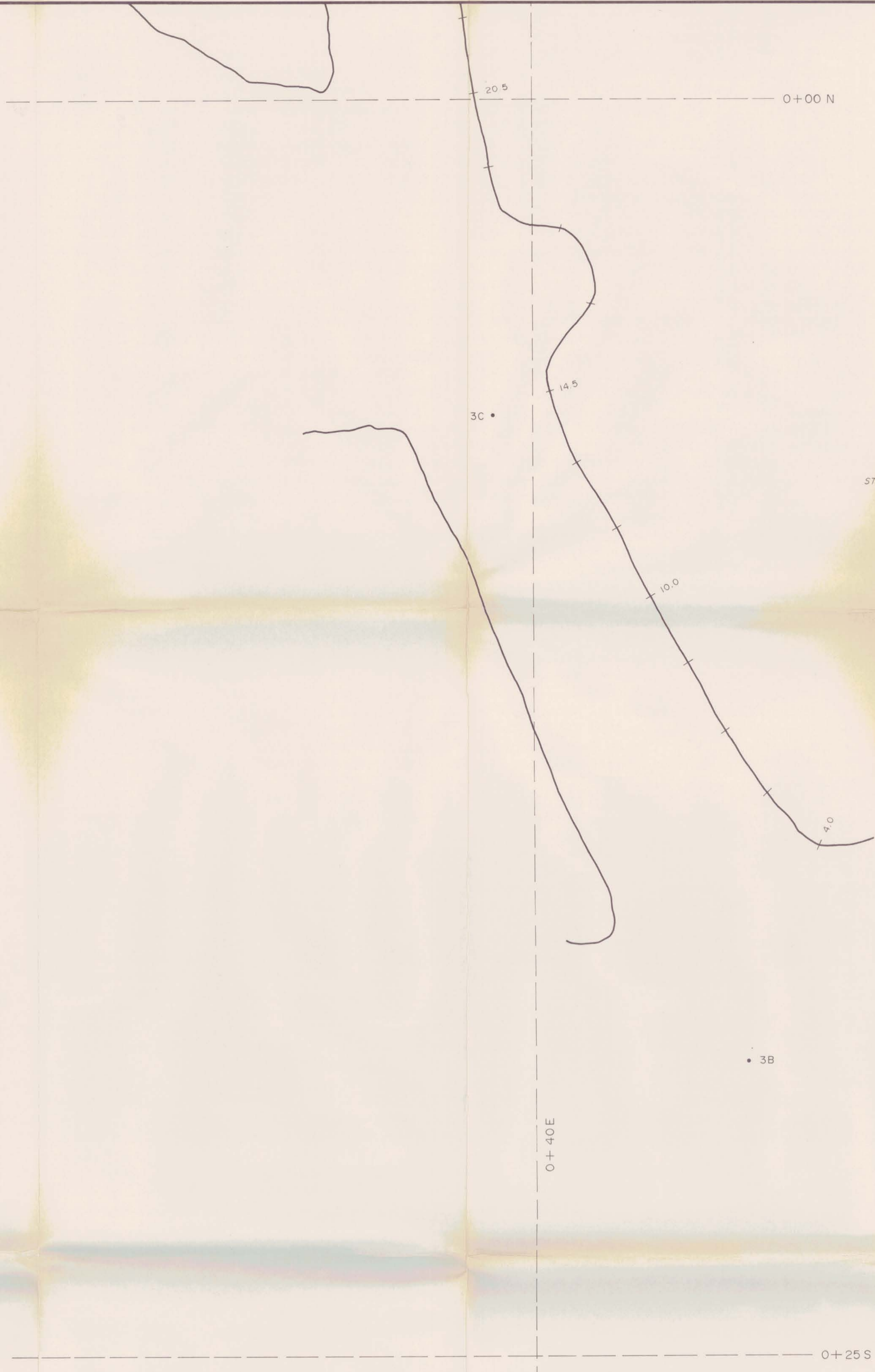
METRES

0 10 20 30

NOTE: Relative Level (R.L.) is based on an elevation of 120.0 m at Station 14. (See Figure 9)

HIGHLAND QUEEN MINES LTD.	
DATE: SEPT/88	SILVER DOLLAR PROPERTY
REVISED:	NELSON M.D., B.C.
DRIFT 3: GOLD/SILVER	
ROCK GEOCHEMISTRY	
STATION 3C+8.0m TO END OF DRIFT	
PROJECT No: 155/88	SURVEY BY: RLF at G1 NTS: B2 F/3
DRAWN BY: BEM	SCALE: As Shown
FIGURE No: 23	FAIRBANK ENGINEERING LTD.



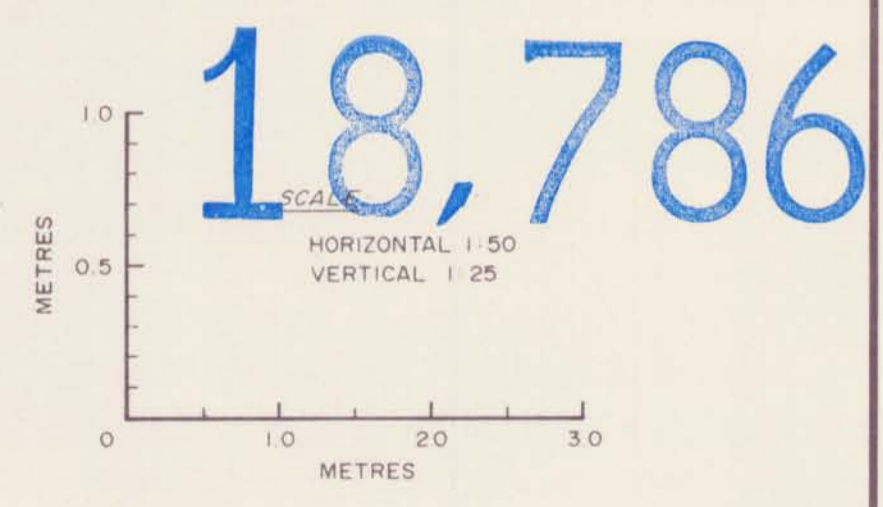


**LEGEND**

- Drift
- Survey stations
- Sample intervals & numbers
- Geochem values & Assay results
 

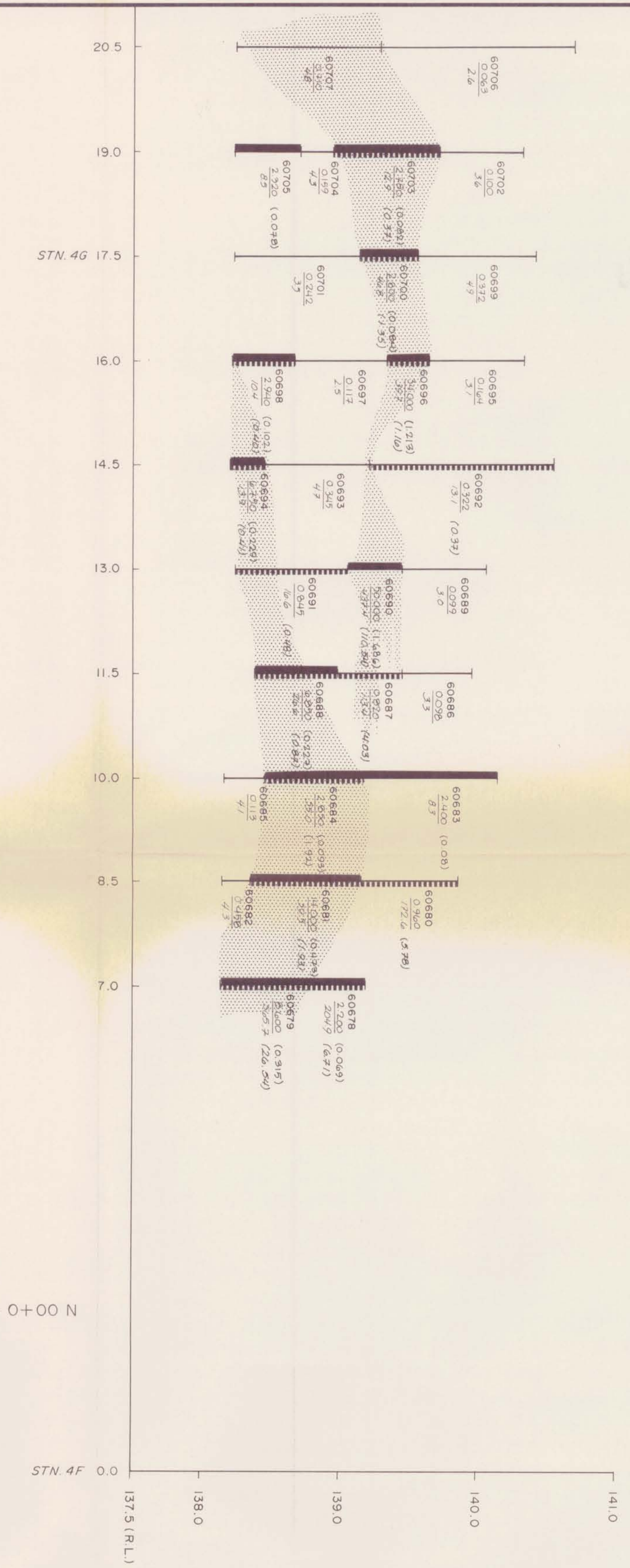
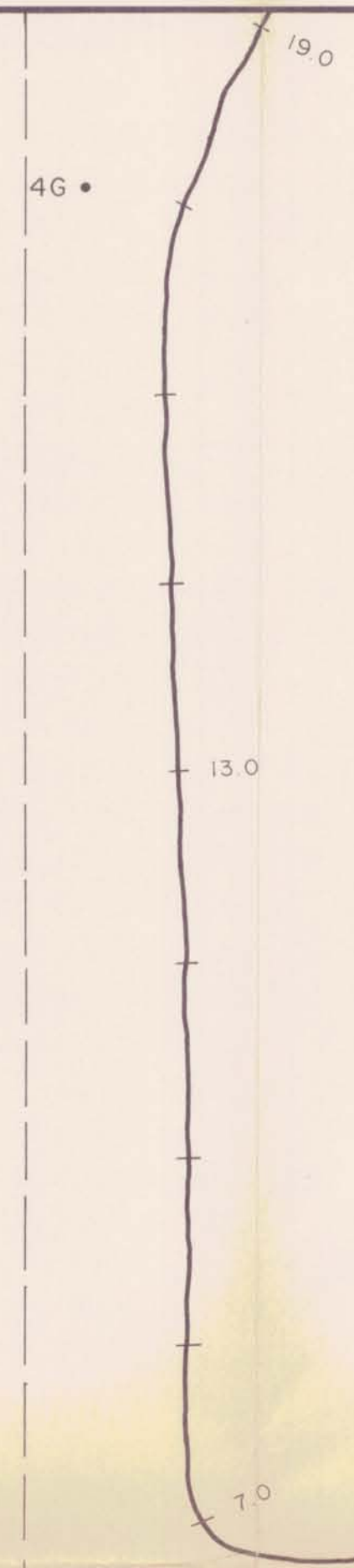
Au (ppm)	(Au (oz/t))
60794	3.205 (0.10)
60795	5.217 (0.16)
- Anomalous gold
- Anomalous silver
- Quartz showings

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**NOTE:** Relative Level (R.L.) is based on an elevation of 120.0 m at Station 14. (See Figure 9)

<b>HIGHLAND QUEEN MINES LTD.</b>	
DATE SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D., B.C.
REVISED	DRIFT 3: GOLD/SILVER ROCK GEOCHEMISTRY STATION 3A+2.4m TO STATION 3C+8.0m
PROJECT No: 155/88	SURVEY BY: RLF et al    NTS: B2 F/3 DRAWN BY: BEM    SCALE: As Shown
FIGURE No: 22	FAIRBANK ENGINEERING LTD.



**LEGEND**

- Drift
- Survey stations
- Sample intervals & numbers
- Geochem values & Assay results
  - Au (ppm) (Au (oz/t))
  - Ag (ppm) (Ag (oz/t))
- Anomalous gold
- Anomalous silver
- Quartz showings

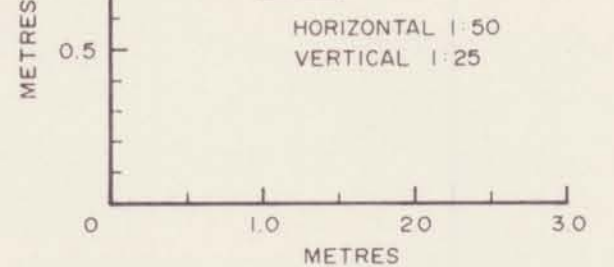
0+25E

4E •



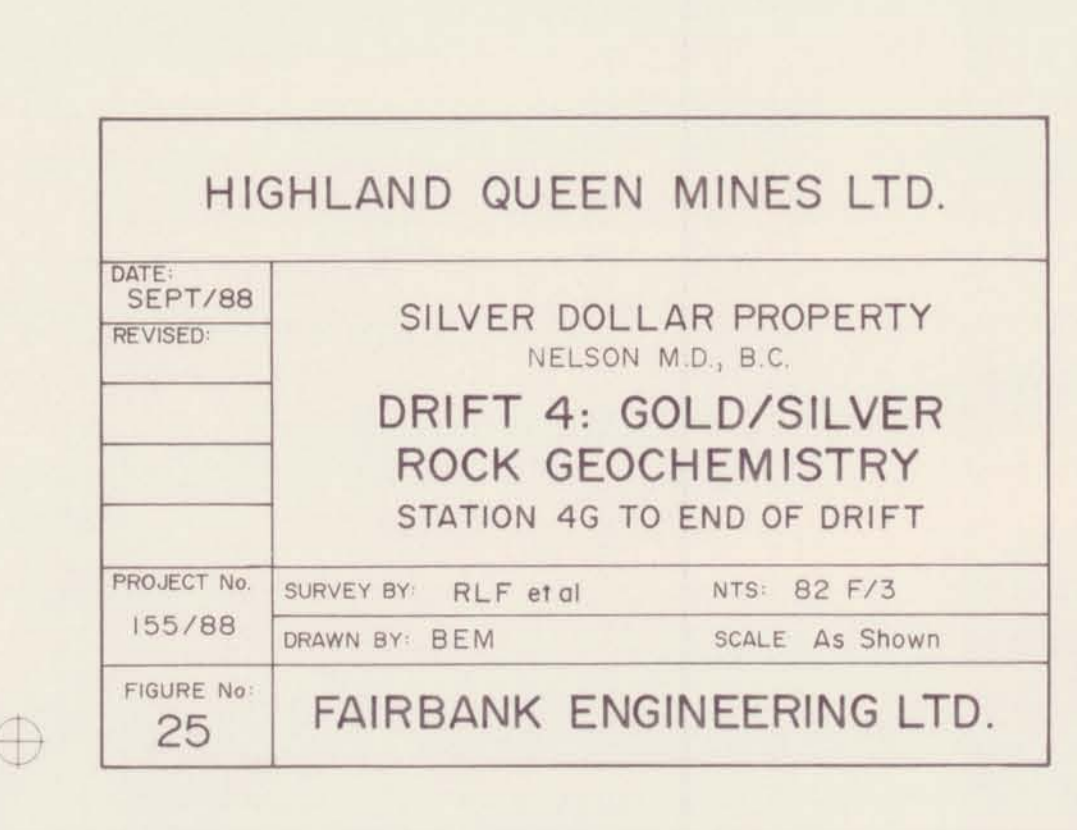
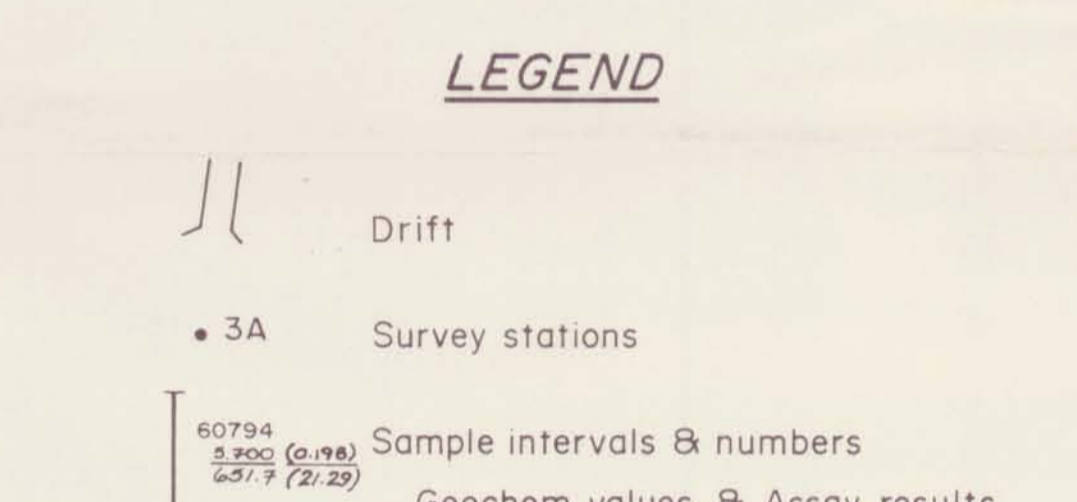
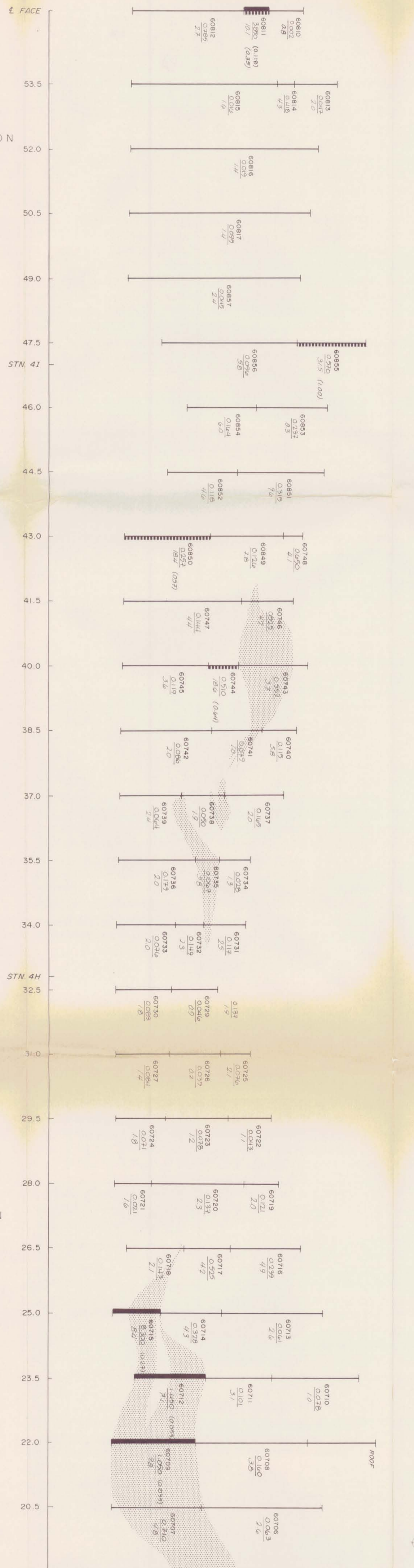
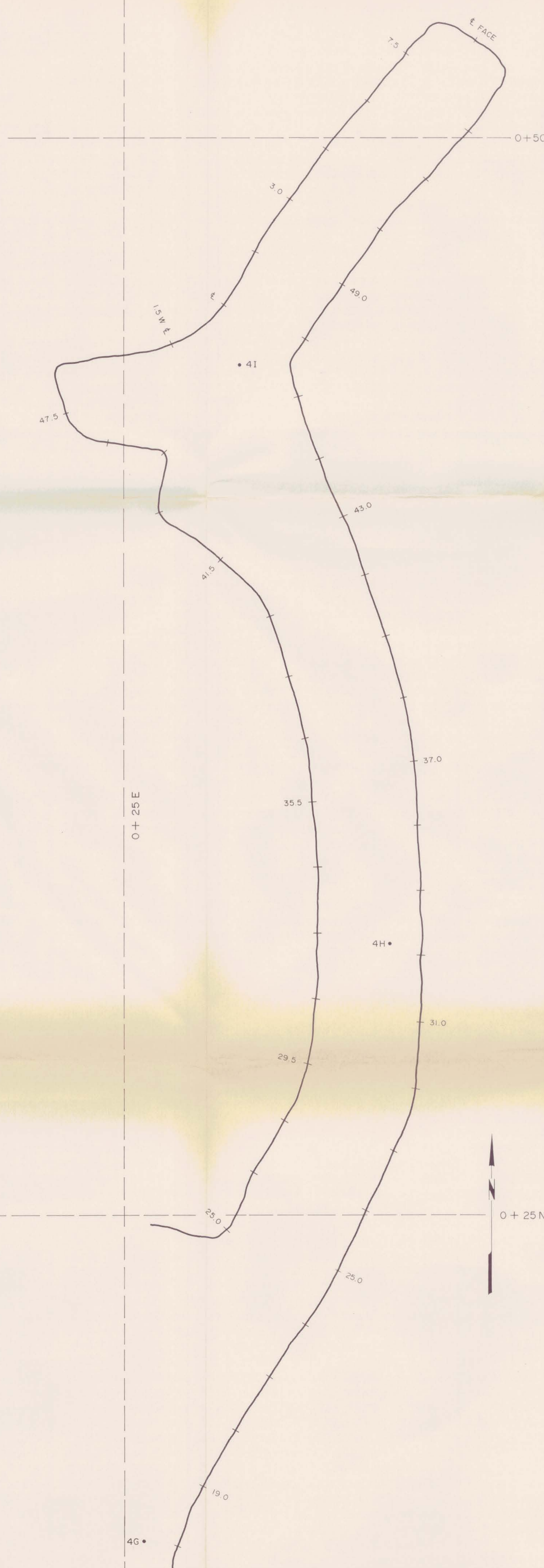
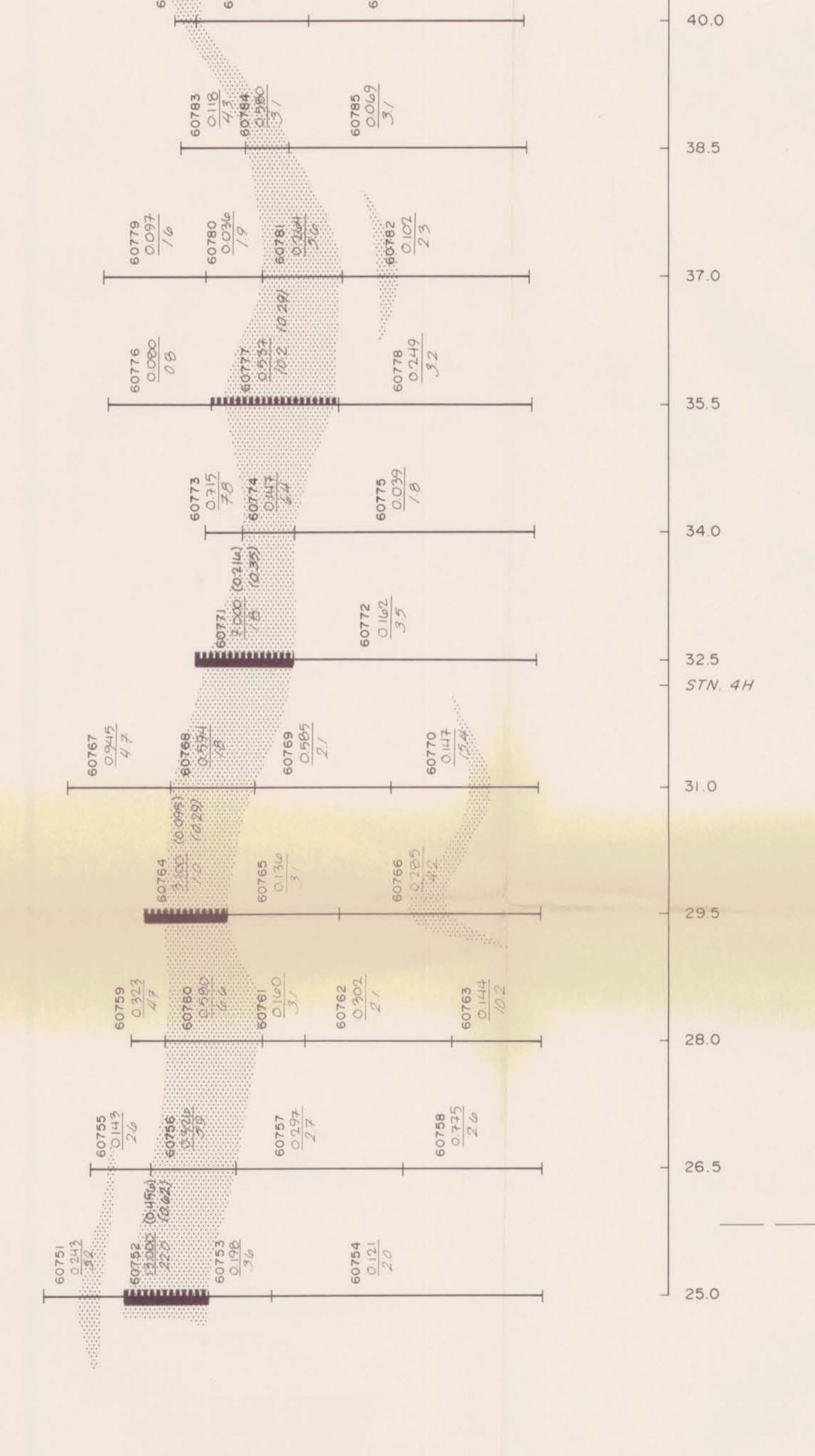
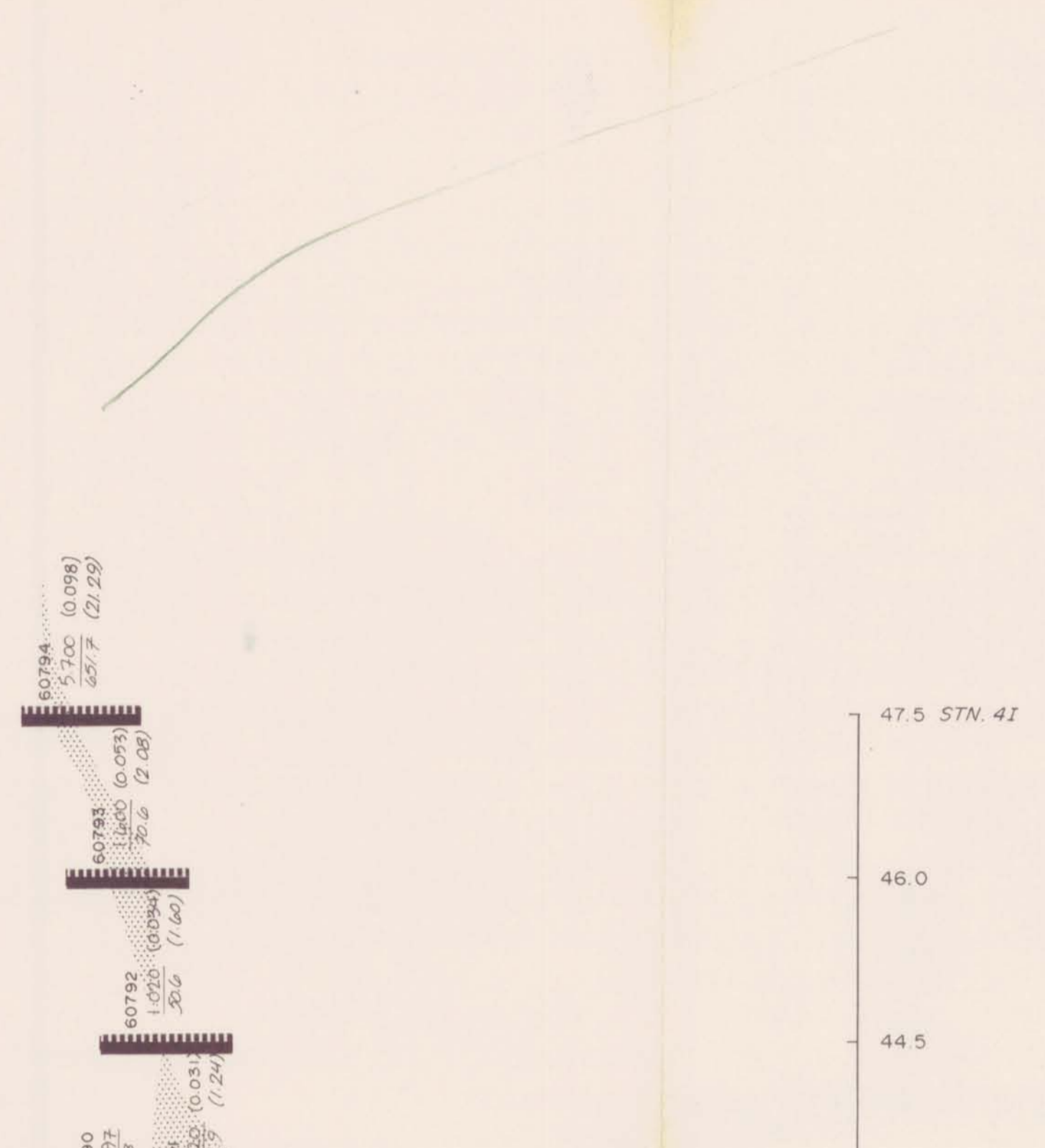
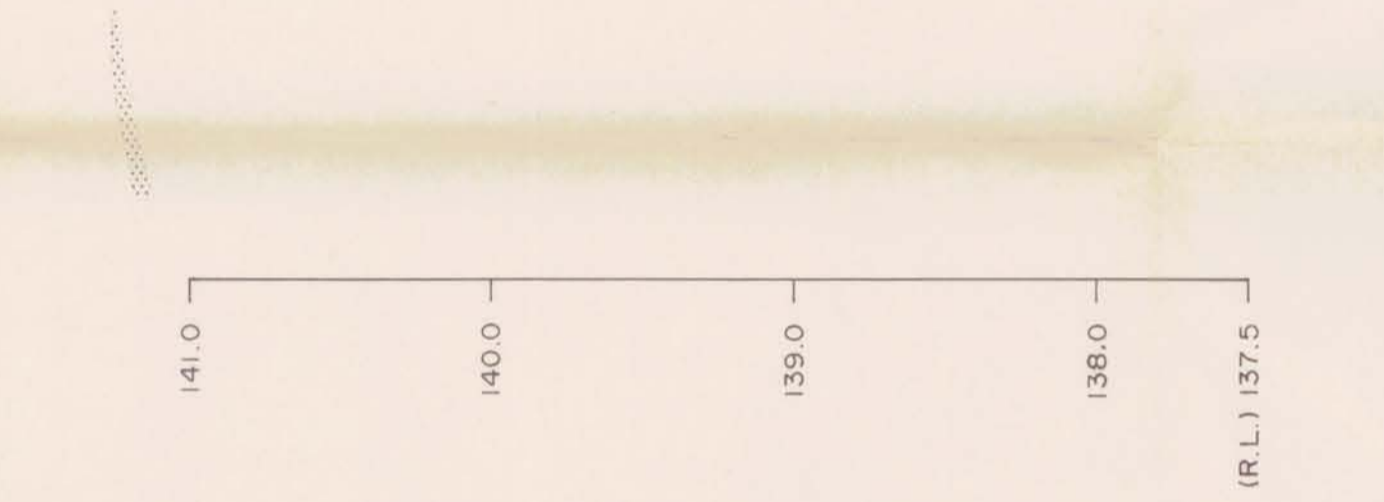
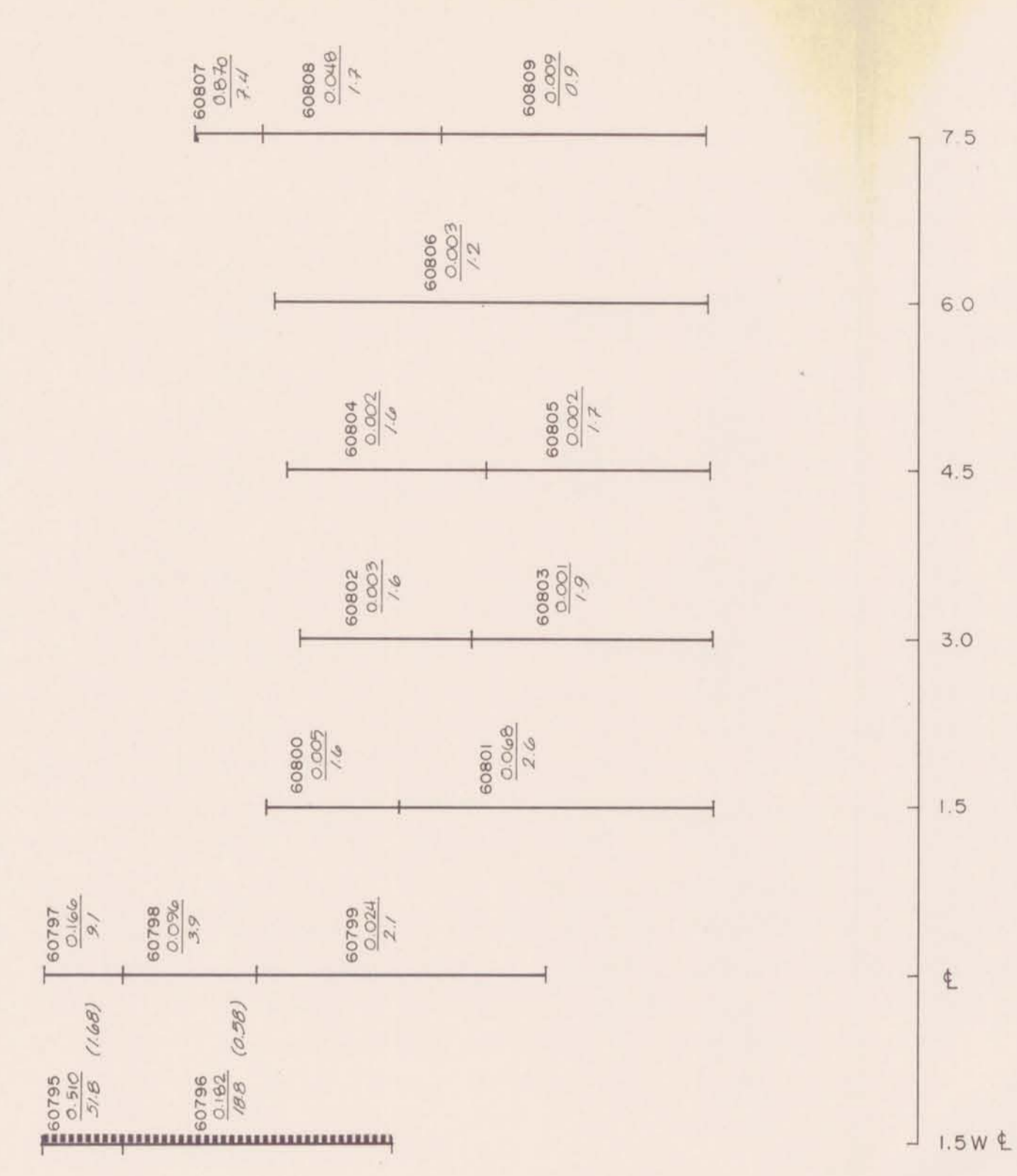
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NOTE: Relative Level (R.L.) is based on an elevation of 120.0m at Station 14. (See Figure 9)

HIGHLAND QUEEN MINES LTD.	
DATE: SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D., B.C.
REVISED:	DRIFT 4: GOLD/SILVER ROCK GEOCHEMISTRY STATION 4D+11.0m TO STATION 4G
PROJECT No: 155/88	SURVEY BY: RLF et al NTS: B2 F/3
FIGURE No: 24	DRAWN BY: BEM SCALE: As Shown
	FAIRBANK ENGINEERING LTD.



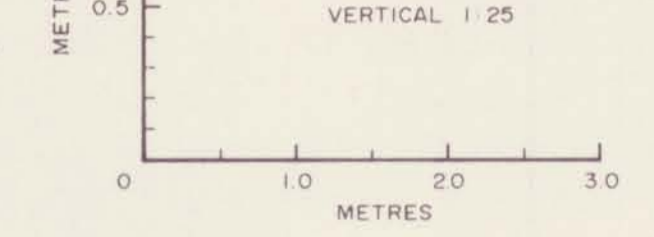
**LEGEND**

- Drift
- Survey stations
- Sample intervals & numbers
- Geochem values & Assay results  

Au (ppm)	Au (oz/t)
3.200	0.198
637.9	2.229
- Anomalous gold
- Anomalous silver
- Quartz showings

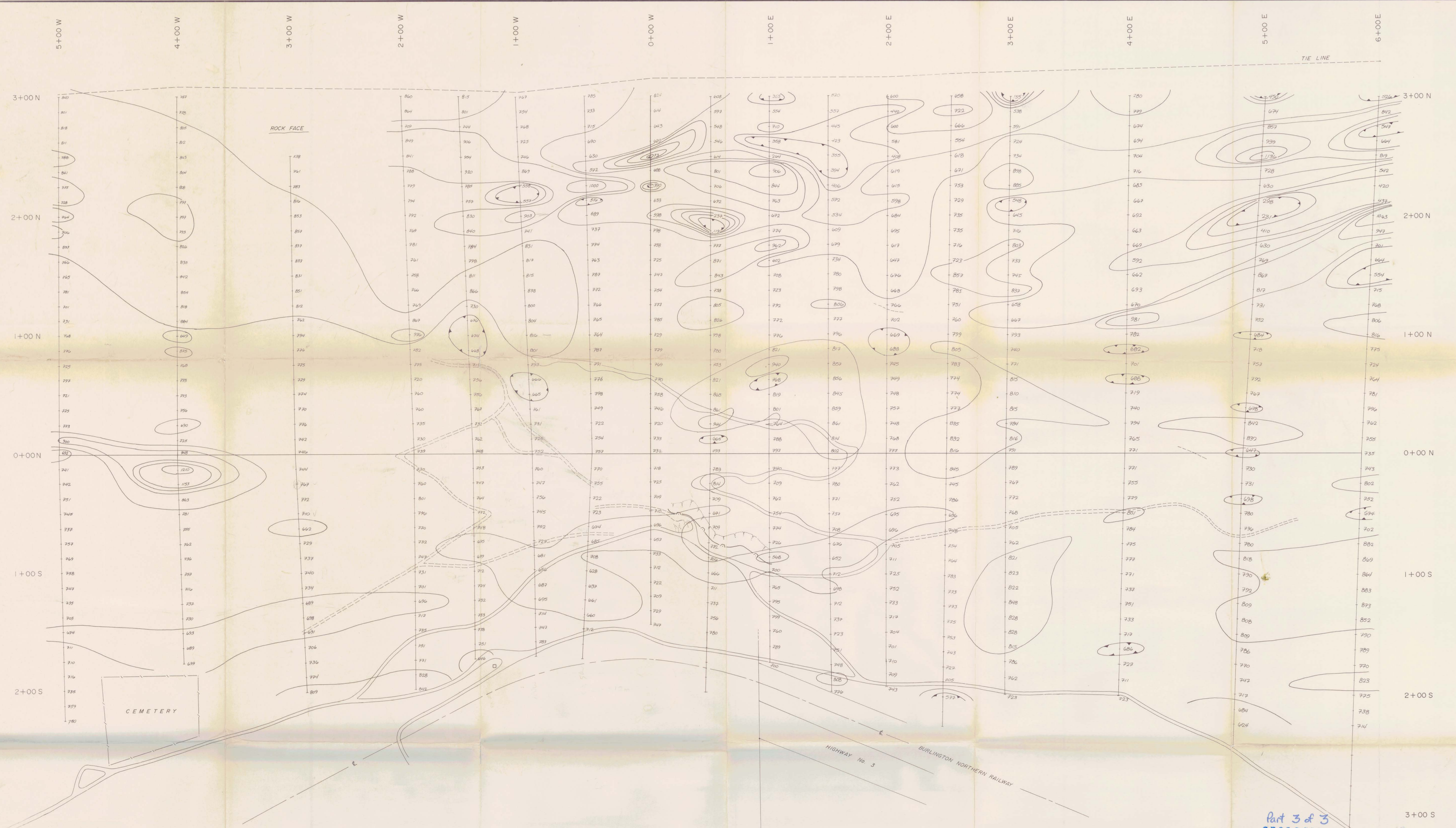
**GEOLOGICAL BRANCH ASSESSMENT REPORT**  
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**NOTE:**  
Relative Level (R.L.) is based on an elevation of 120.0 m at Station 14. (See Figure 9)

<b>HIGHLAND QUEEN MINES LTD.</b>	
DATE: SEPT/88	SILVER DOLLAR PROPERTY
REVISED:	NELSON M.D., B.C.
<b>DRIFT 4: GOLD/SILVER</b>	
<b>ROCK GEOCHEMISTRY</b>	
STATION 4G TO END OF DRIFT	
PROJECT No: 155/88	SURVEY BY: RLF et al
FIGURE No: 25	NTS: B2 F/3
	SCALE: As Shown
	FAIRBANK ENGINEERING LTD.



**LEGEND**

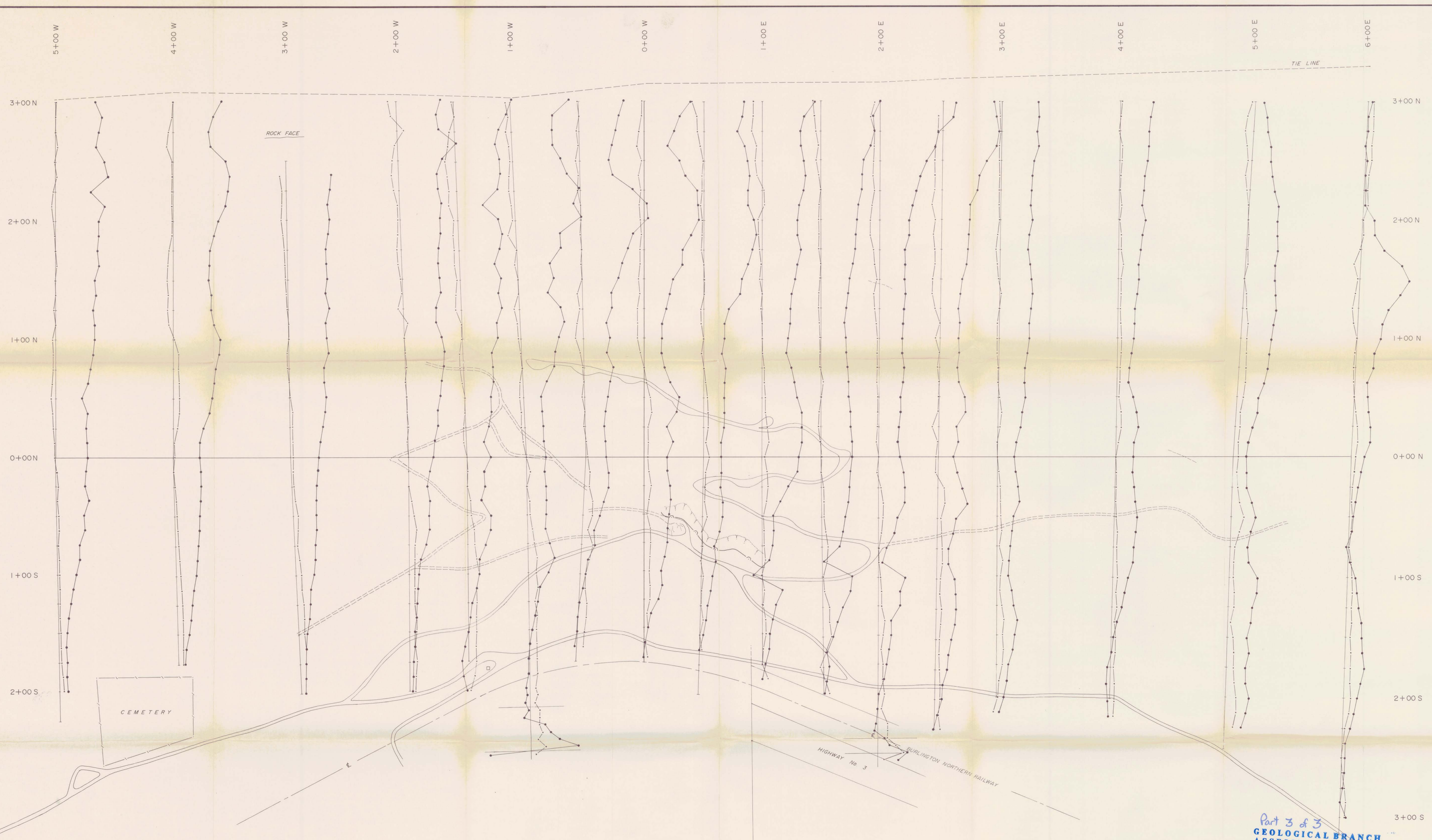
- Roads
- Overgrown roads
- Trails
- Cemetery boundary
- Portals
- Waste rock dump
- Grid: 12.5m stations
- Global Magnetic Field:  
- Values in gammas  
- Base level 26,500 Gammas
- 100 Gamma contour intervals

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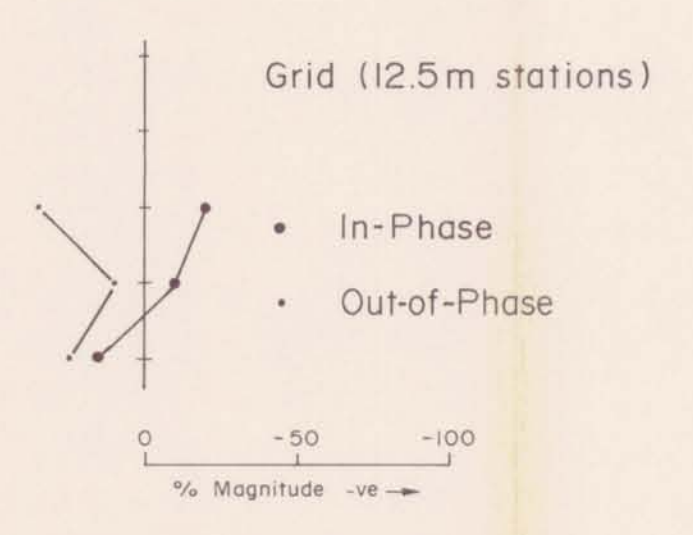
0 50 100  
 METRES

<b>HIGHLAND QUEEN MINES LTD.</b>	
DATE: SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D., B.C.
REVISED:	
<b>MAGNETIC GEOPHYSICAL SURVEY</b>	
PROJECT No: 155/88	SURVEY BY: JD      MTS: 82 F/3 DRAWN BY: BEM      SCALE: 1:1250
FIGURE No: 27	<b>FAIRBANK ENGINEERING LTD.</b>



**LEGEND**

- Road
- Overgrown road
- Pack trail
- Cemetery boundary
- Portal
- Waste rock dump

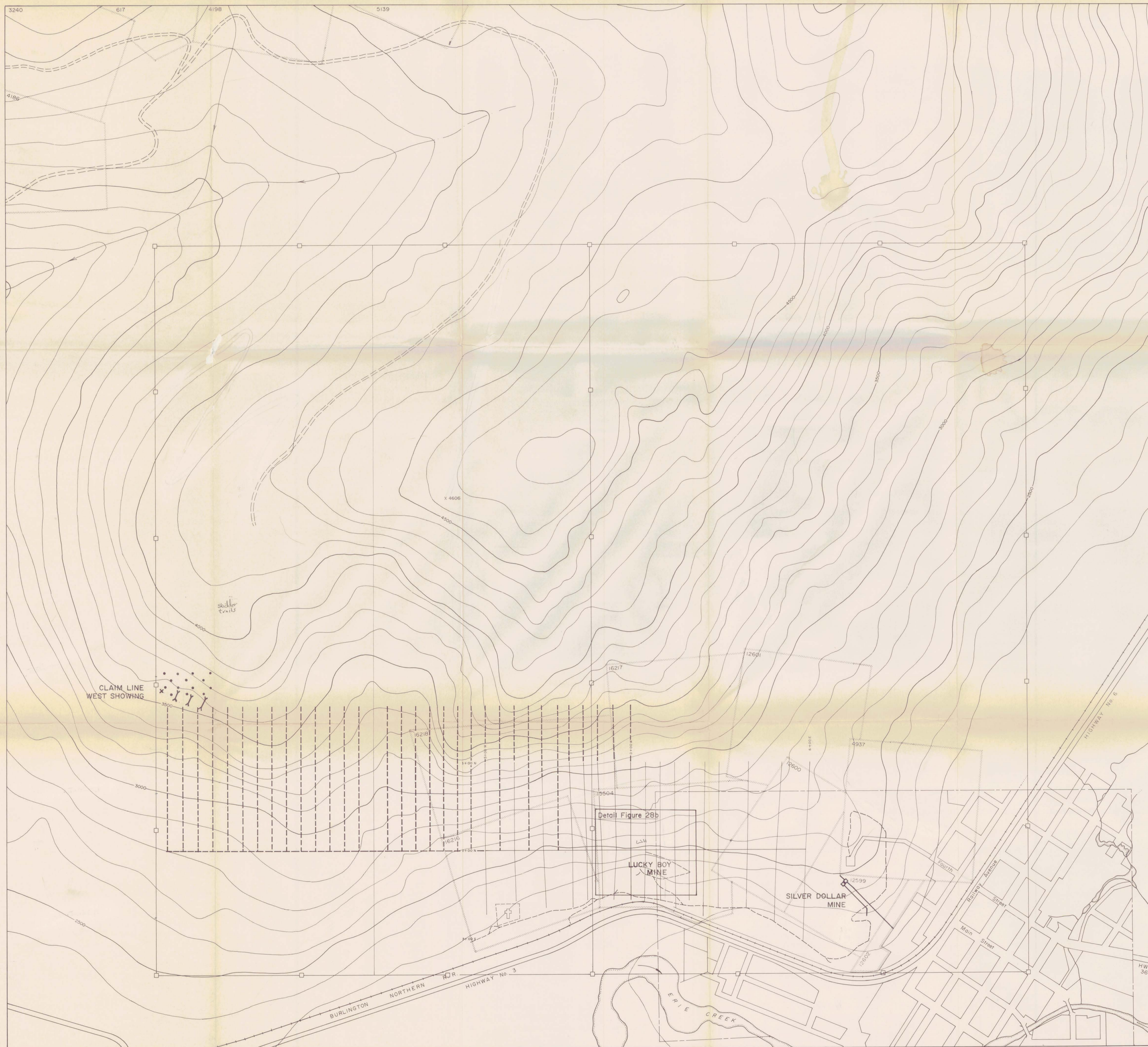


In-Phase and Out-of-Phase components of the vertical magnetic field as a percentage of the horizontal primary field  
Seattle Station 24.8 kHz




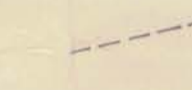

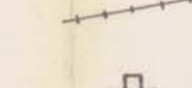

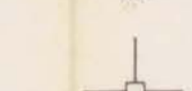
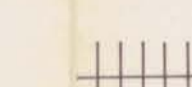
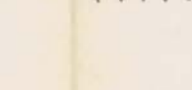
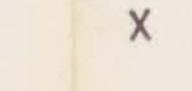

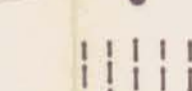
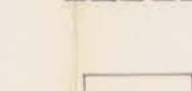
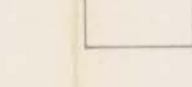

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**GEOLOGICAL BRANCH  
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**18,786**  
METRES

<b>HIGHLAND QUEEN MINES LTD.</b>		
DATE: SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D., B.C.	
REVISED:	VERY LOW FREQUENCY - ELECTRO-MAGNETIC (VLF-EM) GEOPHYSICAL SURVEY	
PROJECT No: 155/88	SURVEY BY: JD	NTS: 82 F/3
FIGURE No: 26	DRAWN BY: BEM	SCALE: 1:1250
FAIRBANK ENGINEERING LTD.		

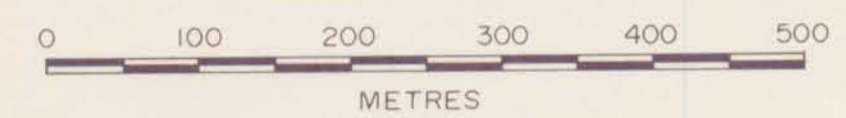


**LEGEND**

-  Creek
-  River
-  Highway
-  Logging roads
-  Right of way
-  Railway
-  Cemetery
-  Crown grants
-  Mineral claim boundaries
-  Soil sample grid
-  Claim Line West Showing
-  Proposed Trenching
-  Proposed Winkie Drill Holes
-  Proposed Grid Extensions
-  Detailed Map of Diamond Drilling Proposal (Fig 28b)
-  Silver Dollar Mine Shaft and Drifts

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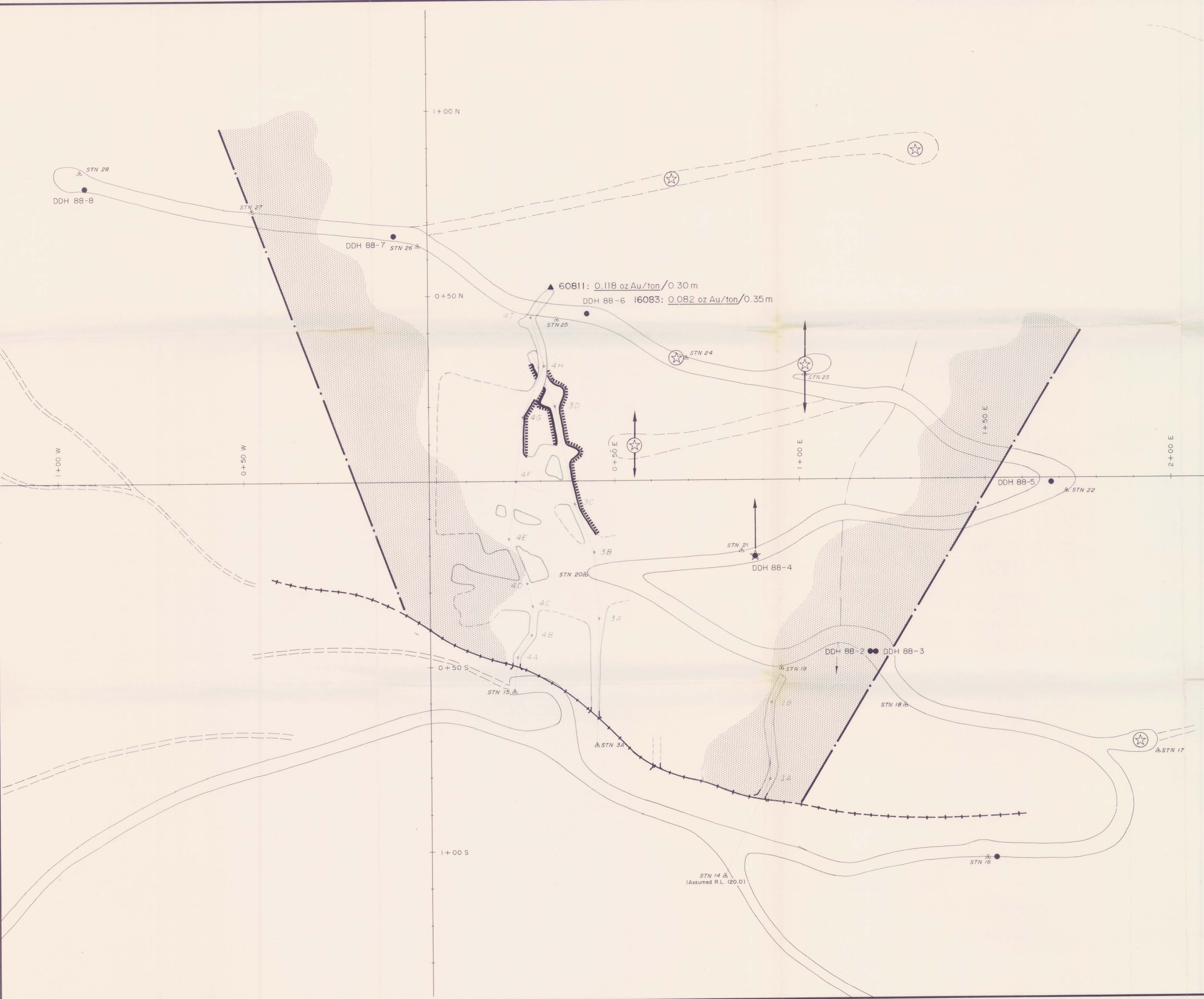
**18,786**



<b>HIGHLAND QUEEN MINES LTD.</b>		
DATE: SEPT/88	SILVER DOLLAR PROPERTY	
REVISED:	SUMMARY & RECOMMENDATIONS MAP	
PROJECT No: 155/88	SURVEY BY:	NTS: B2 F/3
FIGURE No: 28a	DRAWN BY: BEM	SCALE: 1:5000
<b>FAIRBANK ENGINEERING LTD.</b>		

**LEGEND**

- Road
- Overgrown Road
- Pack Trail
- Creek
- Survey Station - Above ground
- Survey Station - Underground
- Geochem Grid Baseline
- Portal (Underground workings are screened)
- Diamond Drill Hole
- Recommended Diamond Drill Holes
- Recommended Drilling Access Road
- Zone of Au/Ag Mineralized and Potentially Mineralized Quartz/Shear Material
- Quartz/Shear Erosional Surface Trace: known, estimated
- Zone of Underground Rock Geochemistry Anomalies



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10 0 10 20 30 40  
 METRES

<b>HIGHLAND QUEEN MINES LTD.</b>	
DATE: SEPT/88	SILVER DOLLAR PROPERTY NELSON M.D., B.C.
REVISED:	<b>SUMMARY &amp; RECOMMENDATIONS DETAIL MAP A</b>
PROJECT No: 155/88	SURVEY BY: SA      NTS: 82 F/3 DRAWN BY: BEM      SCALE: 1: 500
FIGURE No: 28b	<b>FAIRBANK ENGINEERING LTD.</b>