

**SIWASH CREEK PROJECT**  
**REVIEW OF GEOPHYSICAL DATA**  
**J.C. STEPHEN EXPLORATIONS LTD.**  
**DECEMBER, 1992**

674582

**SIWASH CREEK PROJECT**  
**REVIEW OF GEOPHYSICAL DATA**

**J.C. STEPHEN EXPLORATIONS LTD.**

**DECEMBER, 1992**

## TABLE OF CONTENTS

INTRODUCTION	page 1
PROCEDURE	2
OBSERVATIONS	3
RECOMMENDATIONS	5

## LIST OF ILLUSTRATIONS

<u>FIGURE</u>	<u>TITLE</u>	<u>LOCATED</u>
1	INDUCED POLARIZATION ANOMALIES VLF-EM CONDUCTORS ADDED	Follows p.1
2	FRASER FILTER EM CONTOUR MAP	Follows p.2
3	MAGNETOMETER CONTOUR MAP	Follows p.2
3a	ENLARGEMENT OF PART OF FIGURE 3	Follows p.2
4	TILT ANGLE CONTOUR MAP	Follows p.3
5	MAGNETOMETER SURVEY, LINES 00 - 9+00N	In Pocket
6	VLF-EM SURVEY, LINES 00 - 9+00N	In Pocket

## APPENDIX

LISTING	SIWASH CREEK VLF-EM DATA LINES 00 - 9+00N	At end of report
LISTING	SIWASH CREEK MAGNETIC DATA LINES 00 - 9+00N	

## SIWASH CREEK PROJECT

### REVIEW OF GEOPHYSICAL DATA

#### INTRODUCTION

The following data was provided by Don Agur of Summerland during September 1992. The data refers to surveys previously done on part of the Siwash Silver property.

#### LIST OF DATA (Dated December 1986)

a) Lines 0+00 to 9+00N. - Magnetometer readings as included in the Appendix giving gamma readings which presumably have been corrected for diurnal variation. DX values are given which are arithmetic differences between consecutive station readings. DZ values are given which are presumed to represent magnetic gradients. These values do not appear to accurately reflect the true gradients.

b) Lines 0+00 to 9+00N - VLF-EM readings as included in the Appendix give In Phase (IP) readings, Quadrature values (QP) and what likely are Field Strength values (FF).

Readings are recorded at 25 metre intervals on lines 100 metres apart.

c) Plotted and computer contoured maps at 1:10,000 scale titled:  
Fraser Filter EM Contour Map  
Magnetometer Contour Map, 100 Gamma Contour Interval  
An enlarged copy of part of Magnetometer Contour Map  
Tilt Angle Contour Map

The writer had previously carried out limited detailed geological mapping on the property but this geophysical data was not available at the time.

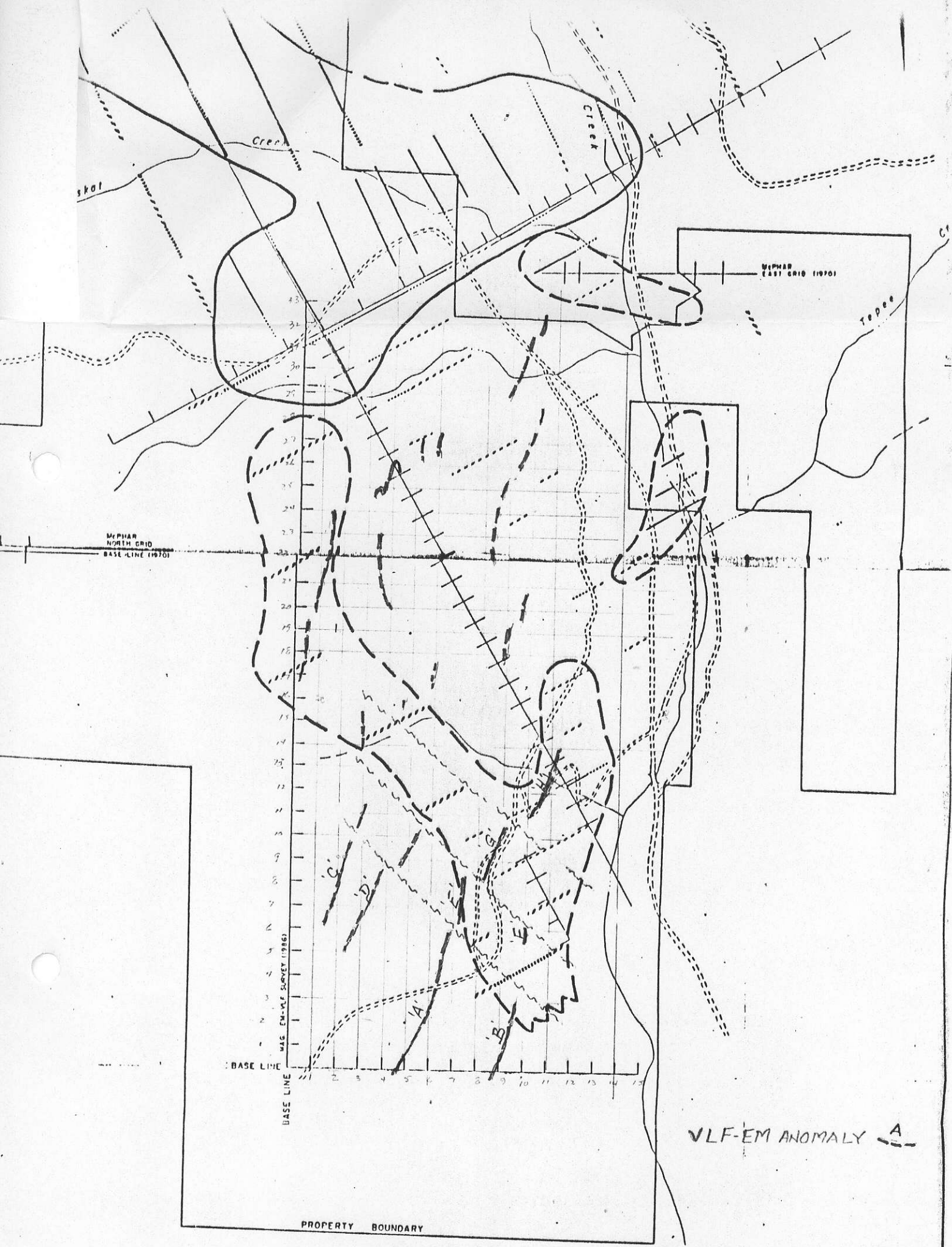


FIGURE 5

WESTRON VENTURE LTD.	
SIWASH SILVER PROJECT	
SIMILKAMEEN MINING DIVISION, B.C.	
INDUCED POLARIZATION ANOMALIES	
LIVGARD CONSULTANTS LTD	
SCALE: 1: 20,000	DATE: NOVEMBER, 1988

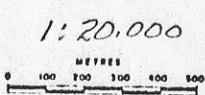


FIGURE 1

## PROCEDURE

Photo copies were made of the Magnetometer Contour Map and of the Fraser Filter Contour Map. These copies were coloured to help outline the structures shown.

A photo copy was made of the Induced Polarization Anomalies map (Figure 5, Livgard Consultants Ltd.) at 1:20,000 scale to show the relative orientation and location of the geophysical grid.

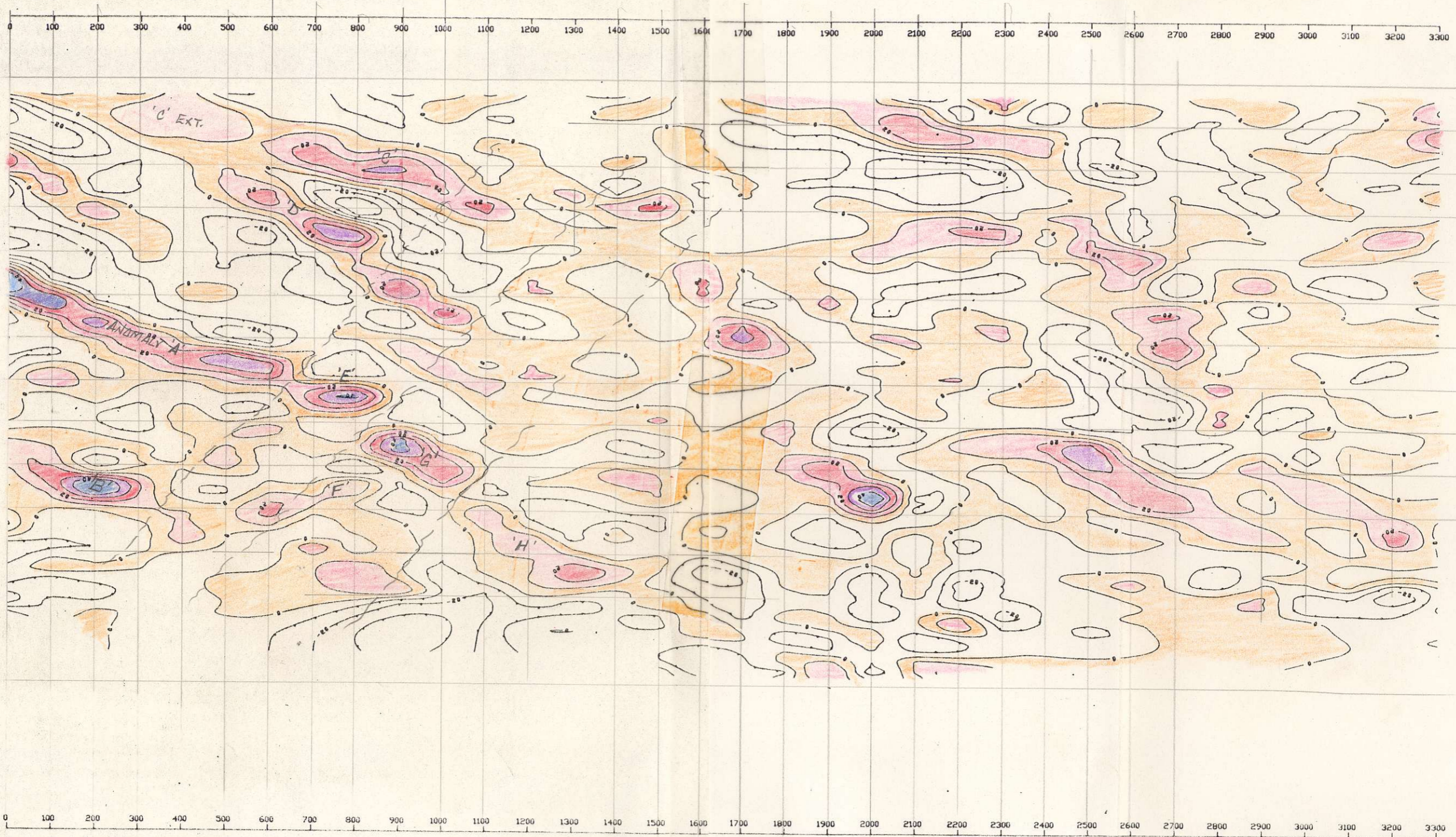
The apparent EM conductors and three interpreted faults were plotted on the 1:20,000 grid map. These anomalies and faults were interpreted from the 1:10,000 scale Fraser Filter EM Contour Map and they agree in a general way with Livgard's interpretive map "VLF-EM Anomalies".

Since the coloured magnetometer map failed to show significant correlation with the coloured Fraser Filter map the magnetic data for lines 0+00 to 9+00N was plotted and hand contoured (Figure 5). Portions of two faults and several EM conductors were plotted on this larger scale map from the 1:10,000 scale EM map.

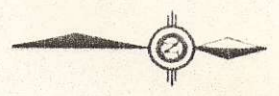
Good magnetic/VLF-EM correlation exists for the conductor extending from 4+75E on line 0+00 to about 6+25E on line 4+00N, Anomaly "A". The other Fraser filter EM conductors in the detail area show little magnetic correlation.

Because of the lack of correlation the VLF-EM data was reviewed and was replotted at 1:2500 scale (Figure 6). It should be noted that not all of the Fraser filter anomalies indicated by positive contours on the original map result from typical "cross over" EM data. Those zones with typical strong to weak "cross overs" are as follows:

<u>LINE</u>	<u>X-OVER</u>	<u>ANOMALY</u>	<u>LINE</u>	<u>X-OVER</u>	<u>ANOMALY</u>
0+00N	4+75E	A	6+00N	6+75E	A
1+00N	5+25E	A	7+00N	1+50E	C
2+00N	5+75E	A	7+00N	7+25E	E
2+00N	9+50E	B	8+00N	2+00E	C
3+00N	6+00E	A	8+00N	3+75E	D
4+00N	0+50E	C	8+00N	7+50E	E
5+00N	1+00E	C	8+00N	9+25E	F
5+00N	6+50E	A			



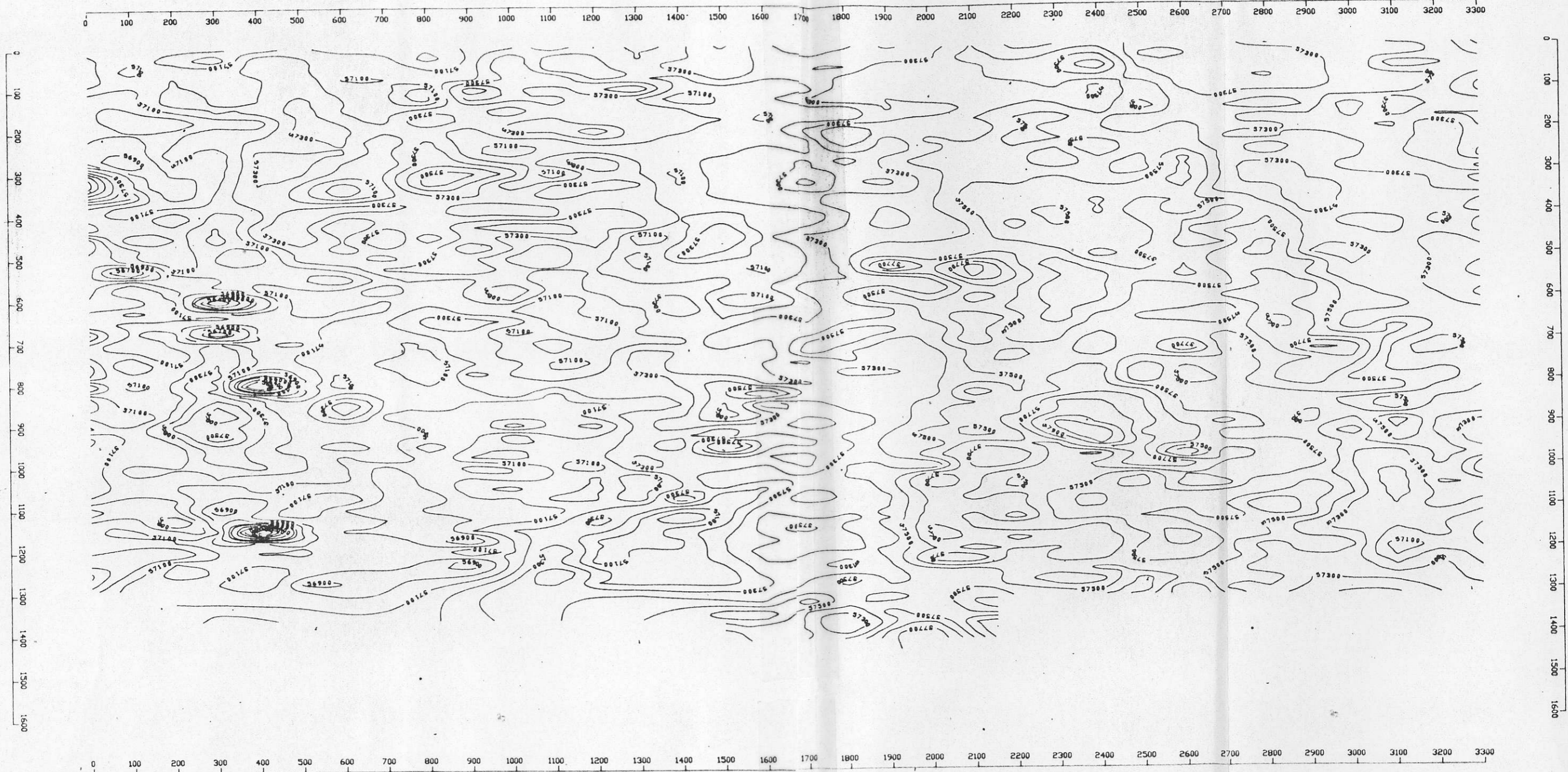
- +0 - 10 █
- 10 - 20 █
- 20 - 30 █
- 30 - 40 █
- 40+ █



~ ~ ~ FAULT ZONE

1:10,000  
METRES  
0 100 200 300 400

WESTRON VENTURE LTD.			
SIWASH CREEK PROJECT			
FRASER FILTER EM CONTOUR MAP			
PLAN No	DRAWN BY: GEO-COMP	DATE DEC '86	FIGURE 2.
Originator: RVL		NTS	



WESTRON VENTURE LTD.  
SIWASH CREEK PROJECT

MAGNETOMETER CONTOUR MAP  
100 GAMMA CONTOUR INTERVAL

PLAN No. -	DRAWN BY: GEO-COMP	DATE DEC-'86	FIGURE 3
Originator: RVL		N.T.S.	

MINEQUEST EXPLORATION ASSOCIATES LTD.





## OBSERVATIONS

Anomaly "A" shows the strongest VLF-EM crossovers and has a strongly negative magnetic expression extending from line 0+00 to line 4+00N. Anomalies termed "A", "E", "G" and "H" on the 1:10,000 Fraser Filter EM Contour Map are probably parts of the same geological structure disrupted by northwest trending faults. Location of these conductive zones on the 1:20,000 grid map suggests they are caused by the strong fault west of the road through the South Silver Zone. See Map II, South Silver Zone Geology, July 26, 1992. This fault zone was reported to contain high grade mineralized fragments. The southern extension of this zone exhibits the strongest VLF-EM responses and is marked by a magnetic low. The "Shaft" within the South Silver Zone is probably located near the intersection of Anomaly "G" and the northwest trending fault at the south end of that anomaly.

Anomaly "B" has no significant magnetic expression.

Anomaly "F" is probably an extension of Anomaly "B".

Anomaly "C" has no magnetic correlation and its EM crossovers are weak.

Anomaly "D" has a fairly good EM crossover at 3+50E on line 8+00N.

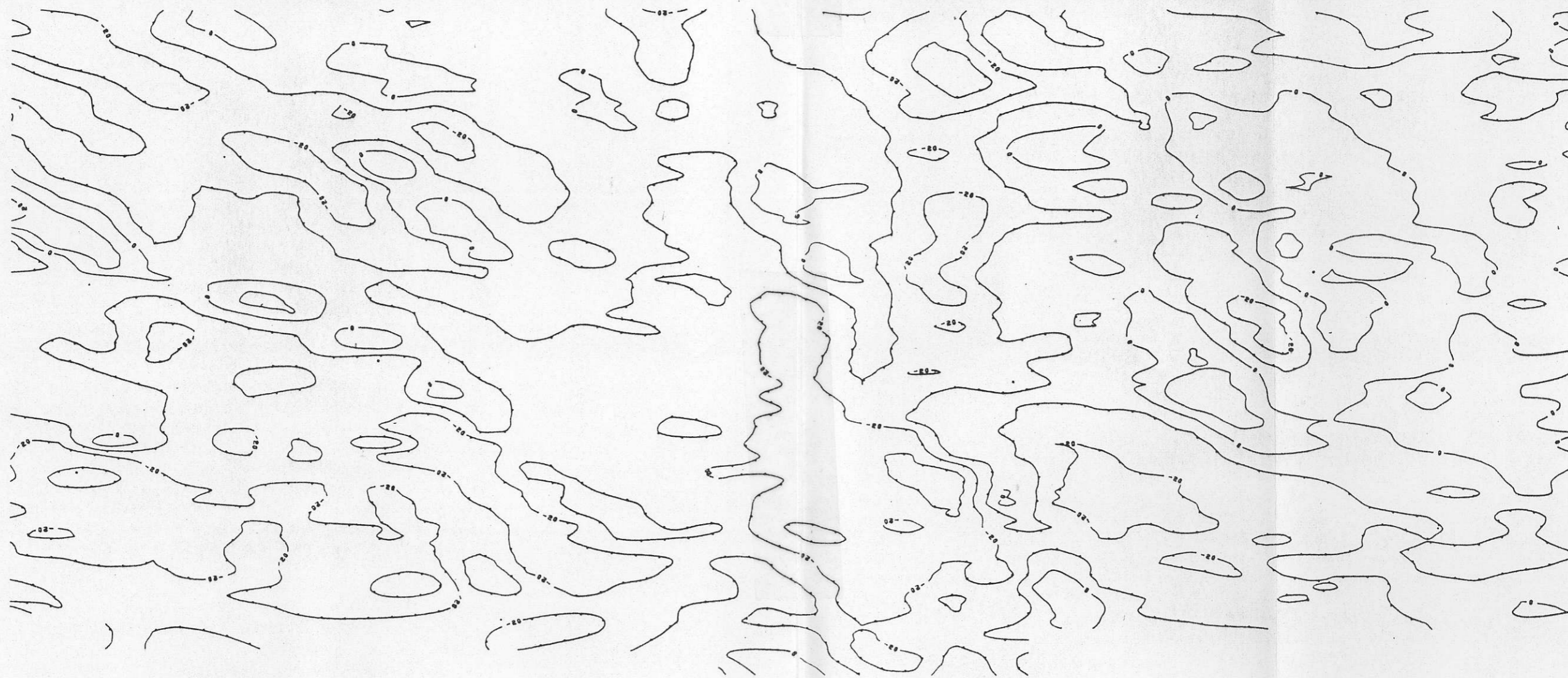
No survey data is presently available to assess the other VLF-EM anomalies shown on Livgard's Fraser Filter EM Contour Map.

The Tilt Angle Contour Map, Figure 1, of Minequest Exploration Associates Ltd. does show Anomaly "A" but this map presentation is unusual and of little value. Tilt angles are normally plotted as profiles to show crossovers and are more easily interpreted in that form. See Figure #6 with this report.

Review of the Minequest map suggests that the anomaly at 8+50E on line 25+00N warrants further attention since that anomaly appears to have had significant positive tilt angles.

0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600



0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600

0 100 200 300 400 500 600 700 800 900 1000 1100 1200 1300 1400 1500 1600 1700 1800 1900 2000 2100 2200 2300 2400 2500 2600 2700 2800 2900 3000 3100 3200 3300



METRES  
0 100 200 300 400

WESTRON VENTURE LTD.  
SIWASH CREEK PROJECT

TILT ANGLE CONTOUR MAP

PLAN No.	DRAWN BY: -	DATE Dec. '86	FIGURE 4
Originator: RL		N.T.S.	

The remaining VLF-EM conductors shown on the Fraser filter map result from the algebraic calculation of negative readings and probably do not reflect significant steeply dipping bedrock features. It remains a possibility that the wide zones of strong negative readings may result from conductivity in flat dipping fault zones which may mask underlying mineralization.

The Spud and Comanche zones would be located in the area from about 14N to 18N between 11E and 13E. No field data is available from the geophysical surveys in this area and examination of the 1:10,000 scale maps does not show any diagnostic features.

The survey grid does not extend to the Camp Zone, nor to the Western - Navajo Zones

Examination of the magnetometer results illustrated by Figure 3 indicates that a "break" occurs along a line extending from about 0+00 on line 18N to 13+00E on line 9N. This is approximately at the location of the third (northerly) fault indicated on the VLF-EM map, Figure 2. To the south of this break the magnetic values are generally low and strong magnetic lows occur in areas of faulting and alteration such as occur at the South Silver Zone.

North of the break magnetic values are generally high except in the area bounded by 12N to 15N between 10+00E and 13+00E. This is the approximate location of the SPUD trenches north of the switch back road and of VLF-EM anomaly 'H'.

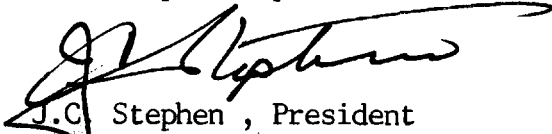
These results indicate that certain zones of shearing and alteration are characterized by low magnetic values and further work would be justified to explore such magnetic low areas.

RECOMMENDATIONS

- 1) An attempt should be made to relocate the original grid survey stations on the ground. During visits to the property during summer of 1992 several flagged locations were noted. Some of these consisted of small tripods of short sticks. These may represent grid stations and, if sufficient number can be located, the grid could be re established.
- 2) Access roads, trenches and main fault zones should be tied into the original grid stations.
- 3) Anomaly "A" should be investigated by trenching to the south of the South Silver Zone which is thought to be at about 6N to 8N and 7E to 8E on the grid.
- 4) If funding should be available the Western - Navajo zones should be covered by a similar magnetometer and VLF-EM survey.

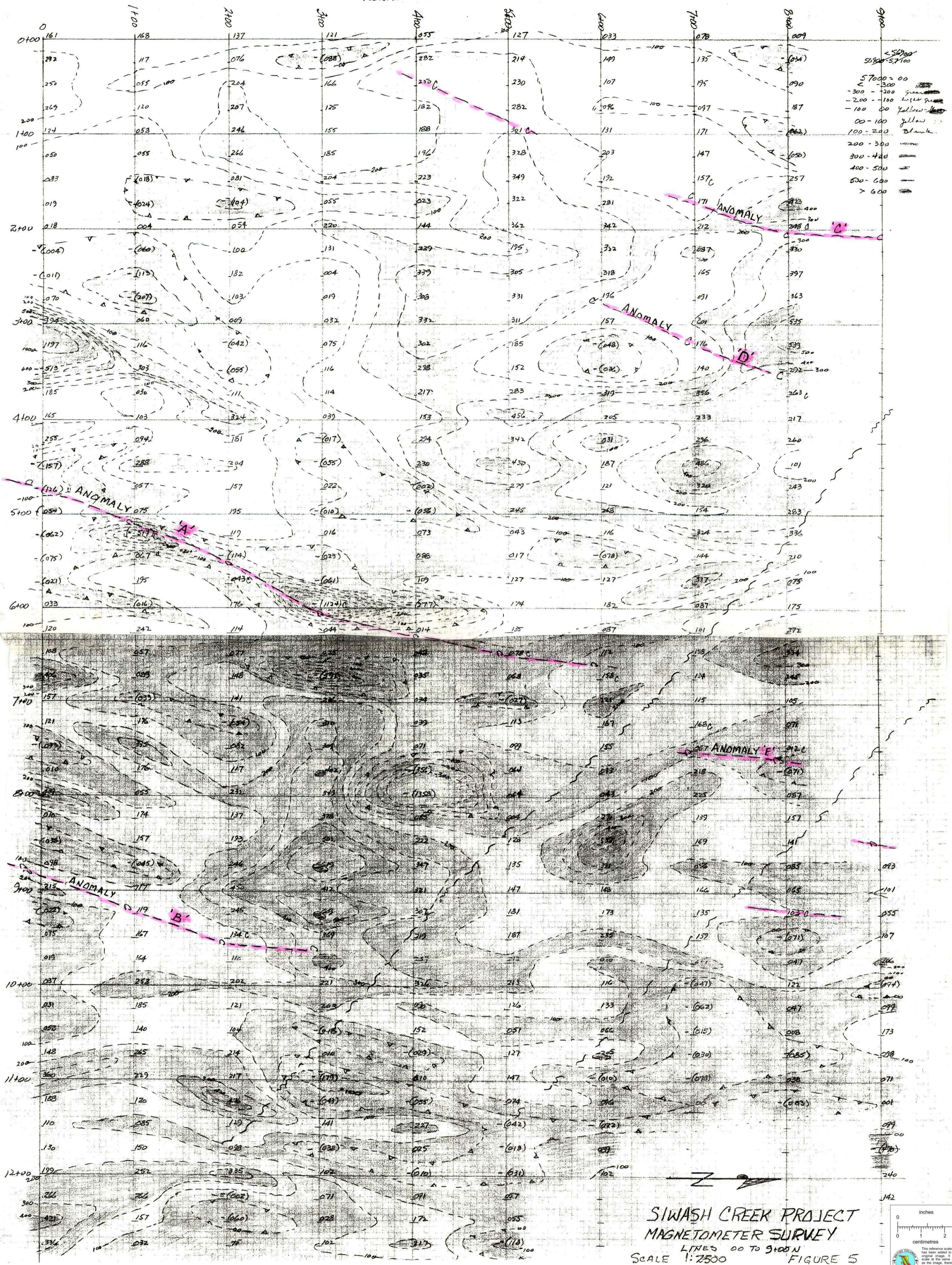
Respectfully submitted,

J.C. Stephen Explorations Ltd.



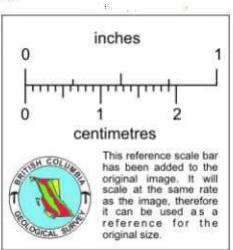
J.C. Stephen, President

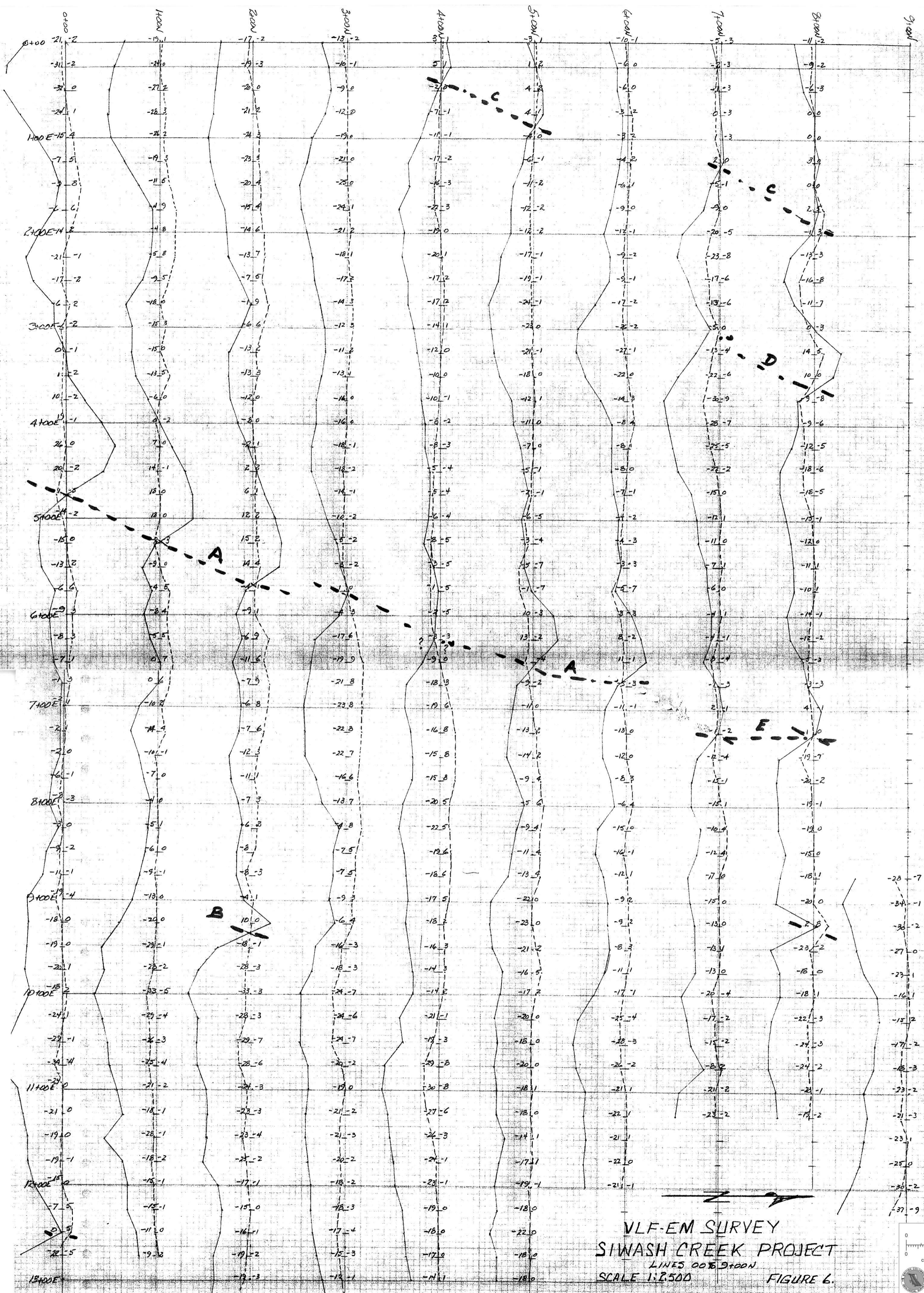
December 19, 1992



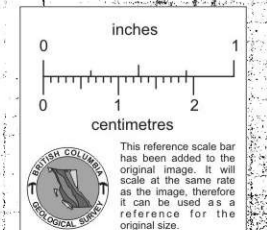
57000 = 00  
 300 - 200 green  
 200 - 100 light green  
 100 - 00 yellow  
 00 - 100 yellow  
 100 - 200 blank  
 200 - 300 blue  
 300 - 400 blue  
 400 - 500 blue  
 500 - 600 blue  
 > 600 blue

**SIWASH CREEK PROJECT**  
**MAGNETOMETER SURVEY**  
 LINES 00 TO 9100N  
 SCALE 1:2500 FIGURE 5





VLF-EM SURVEY  
 SIWASH CREEK PROJECT  
 LINES 0069+00N  
 SCALE 1:2500  
 FIGURE 6.



a p p e n d i x



LISTING - SIWASH CREEK VLF-EM DATA - APEX AIRBORNE SURVEYS LTD.

FFSTATN	VLF STATN	LINE NO.	IP	QP	FF
37.5	0	0	-21	-2	4
62.5	25	0	-31	-2	-24
87.5	50	0	-32	0	-34
112.5	75	0	-24	1	-29
137.5	100	0	-15	4	-13
162.5	125	0	-7	5	10
187.5	150	0	-3	8	26
212.5	175	0	-6	6	18
237.5	200	0	-14	2	-12
262.5	225	0	-21	-1	-26
287.5	250	0	-17	-2	-17
312.5	275	0	-6	2	-13
337.5	300	0	-6	-2	-17
362.5	325	0	0	-1	-28
387.5	350	0	1	-2	-34
412.5	375	0	10	-2	-17
437.5	400	0	19	-1	24
462.5	425	0	26	0	59
487.5	450	0	20	-2	50
512.5	475	0	1	-5	15
537.5	500	0	-14	-2	-10
562.5	525	0	-15	0	-13
587.5	550	0	-13	2	-2
612.5	575	0	-6	6	0
637.5	600	0	-9	3	-9
662.5	625	0	-8	3	-12
687.5	650	0	-7	1	-4
712.5	675	0	-1	3	1
737.5	700	0	-2	1	4
762.5	725	0	-2	1	10
787.5	750	0	-2	0	3
812.5	775	0	-6	-1	-2
837.5	800	0	-8	-3	9
862.5	825	0	-3	0	18
887.5	850	0	-9	-2	17
912.5	875	0	-11	-1	7
937.5	900	0	-19	-4	2
962.5	925	0	-18	0	1
987.5	950	0	-19	0	3
1012.5	975	0	-20	1	15
1037.5	1000	0	-18	2	21
1062.5	1025	0	-24	1	5
1087.5	1050	0	-29	-1	-18
1112.5	1075	0	-34	-4	-18
1137.5	1100	0	-24	0	-7
1162.5	1125	0	-21	0	-6
1187.5	1150	0	-19	0	-16
1212.5	1175	0	-19	-1	-27
1237.5	1200	0	-15	0	0
1262.5	1225	0	-7	5	-99984
1287.5	1250	0	0	5	-100002

1312.5	1275	0	-22	-5	100020
37.5	0	100	-19	-1	12
62.5	25	100	-24	0	3
87.5	50	100	-27	2	-10
112.5	75	100	-28	3	-24
137.5	100	100	-26	2	-30
162.5	125	100	-19	3	-22
187.5	150	100	-11	5	-6
212.5	175	100	-4	9	6
237.5	200	100	-4	8	18
262.5	225	100	-5	8	19
287.5	250	100	-9	5	3
312.5	275	100	-18	0	-5
337.5	300	100	-15	3	-11
362.5	325	100	-15	0	-22
387.5	350	100	-13	5	-26
412.5	375	100	-6	0	-27
437.5	400	100	0	-2	-25
462.5	425	100	7	0	-15
487.5	450	100	14	-1	16
512.5	475	100	18	0	47
537.5	500	100	18	0	29
562.5	525	100	-2	-3	1
587.5	550	100	-9	0	0
612.5	575	100	-4	5	-7
637.5	600	100	-8	4	-13
662.5	625	100	-5	5	5
687.5	650	100	0	7	24
712.5	675	100	0	6	14
737.5	700	100	-10	2	-7
762.5	725	100	-14	-4	-13
787.5	750	100	-10	-1	-8
812.5	775	100	-7	0	0
837.5	800	100	-4	0	6
862.5	825	100	-5	1	11
887.5	850	100	-6	0	18
912.5	875	100	-9	-1	27
937.5	900	100	-13	0	24
962.5	925	100	-20	0	12
987.5	950	100	-29	-1	5
1012.5	975	100	-28	-2	-6
1037.5	1000	100	-33	-5	-11
1062.5	1025	100	-29	-4	-9
1087.5	1050	100	-26	-3	-12
1112.5	1075	100	-25	-4	0
1137.5	1100	100	-21	-2	7
1162.5	1125	100	-18	-1	-13
1187.5	1150	100	-28	-1	-16
1212.5	1175	100	-18	-2	-7
1237.5	1200	100	-15	-1	-10
1262.5	1225	100	-15	-1	-10016
1287.5	1250	100	-11	0	-10002
1312.5	1275	100	-9	2	10026
37.5	0	200	-17	-2	5
62.5	25	200	-19	-3	6

87.5	50	200	-20	0	6
112.5	75	200	-21	2	-2
137.5	100	200	-24	3	-12
162.5	125	200	-23	3	-14
187.5	150	200	-20	4	-8
212.5	175	200	-15	4	-9
237.5	200	200	-14	6	-19
262.5	225	200	-13	7	-13
287.5	250	200	-7	5	11
312.5	275	200	-1	9	19
337.5	300	200	-6	6	6
362.5	325	200	-13	2	-6
387.5	350	200	-13	3	-15
412.5	375	200	-12	0	-20
437.5	400	200	-8	0	-18
462.5	425	200	-2	1	-18
487.5	450	200	2	2	-19
512.5	475	200	6	1	-11
537.5	500	200	12	2	17
562.5	525	200	15	2	42
587.5	550	200	14	4	25
612.5	575	200	-4	1	4
637.5	600	200	-9	1	3
662.5	625	200	-6	9	-4
687.5	650	200	-11	6	-5
712.5	675	200	-7	9	6
737.5	700	200	-6	8	10
762.5	725	200	-7	6	-1
787.5	750	200	-12	3	-10
812.5	775	200	-11	1	-4
837.5	800	200	-7	3	3
862.5	825	200	-6	2	-2
887.5	850	200	-8	1	-22
912.5	875	200	-8	-3	-4
937.5	900	200	-4	1	52
962.5	925	200	10	0	53
987.5	950	200	-18	-1	15
1012.5	975	200	-28	-3	-4
1037.5	1000	200	-33	-3	-4
1062.5	1025	200	-28	-3	-5
1087.5	1050	200	-29	-7	-10
1112.5	1075	200	-28	-6	-6
1137.5	1100	200	-24	-3	1
1162.5	1125	200	-23	-3	-4
1187.5	1150	200	-23	-4	-16
1212.5	1175	200	-25	-2	-11
1237.5	1200	200	-17	-1	3
1262.5	1225	200	-15	0	7
1287.5	1250	200	-16	-1	6
1312.5	1275	200	-19	-2	6
1337.5	1300	200	-19	-3	-10018
1362.5	1325	200	-22	-10	-10030
1387.5	1350	200	-22	-8	10000
37.5	0	300	-13	-2	-2
62.5	25	300	-10	-1	12

A

B

87.5	50	300	-9	0	19
112.5	75	300	-12	0	15
137.5	100	300	-19	0	9
162.5	125	300	-21	0	-1
187.5	150	300	-25	0	-10
212.5	175	300	-24	1	-10
237.5	200	300	-21	2	-8
262.5	225	300	-18	1	-9
287.5	250	300	-17	2	-8
312.5	275	300	-14	3	-2
337.5	300	300	-12	3	6
362.5	325	300	-11	2	8
387.5	350	300	-13	1	5
412.5	375	300	-16	0	4
437.5	400	300	-16	0	-2
462.5	425	300	-18	-1	-12
487.5	450	300	-18	-2	-17
512.5	475	300	-14	-1	-16
537.5	500	300	-10	-2	-13
562.5	525	300	-5 ?	-2	-5
587.5	550	300	-3	-2	19
612.5	575	300	1	0	33
637.5	600	300	-4	3	19
662.5	625	300	-17 ?	6	8
687.5	650	300	-19	9	5
712.5	675	300	-21	8	0
737.5	700	300	-23	8	-7
762.5	725	300	-22	8	-15
787.5	750	300	-22	7	-21
812.5	775	300	-16	6	-18
837.5	800	300	-13	7	-3
862.5	825	300	-4	8	5
887.5	850	300	-7	5	1
912.5	875	300	-7	5	6
937.5	900	300	-9	3	19
962.5	925	300	-6	4	20
987.5	950	300	-16	-3	14
1012.5	975	300	-18	-3	6
1037.5	1000	300	-24	-7	-4
1062.5	1025	300	-24	-6	-9
1087.5	1050	300	-24	-7	-4
1112.5	1075	300	-20	-2	3
1137.5	1100	300	-19	0	1
1162.5	1125	300	-21	-2	-4
1187.5	1150	300	-21	-3	-5
1212.5	1175	300	-20	-2	-3
1237.5	1200	300	-18	-2	-4
1262.5	1225	300	-13	-3	-8
1287.5	1250	300	-17	-4	-10
1312.5	1275	300	-15	-3	-9
1337.5	1300	300	-12	-1	-100013
1362.5	1325	300	-10	0	-100020
1387.5	1350	300	-8	5	99983
37.5	0	400	3	1	17
62.5	25	400	5	1	21

87.5	50	400	-2	<sup>1</sup> / <sub>C'EXT</sub> 0	19
112.5	75	400	-7	-1	15
137.5	100	400	-11	-1	10
162.5	125	400	-17	-2	8
187.5	150	400	-16	-3	1
212.5	175	400	-22	-3	-4
237.5	200	400	-19	0	-5
262.5	225	400	-20	1	-6
287.5	250	400	-17	2	-8
312.5	275	400	-17	2	-9
337.5	300	400	-14	1	-6
362.5	325	400	-12	0	-4
387.5	350	400	-10	0	-4
412.5	375	400	-10	-1	-5
437.5	400	400	-8	-2	-6
462.5	425	400	-8	-3	-2
487.5	450	400	-5	-4	4
512.5	475	400	-5	-4	0
537.5	500	400	-6	-4	-10
562.5	525	400	-8	-5	-8
587.5	550	400	-3	-5	1
612.5	575	400	-1	-5	9
637.5	600	400	-2	-5	22
662.5	625	400	-3	-3	25
687.5	650	400	-9	0	8
712.5	675	400	-18	3	-6
737.5	700	400	-19	6	-5
762.5	725	400	-16	8	4
787.5	750	400	-15	8	12
812.5	775	400	-15	8	6
837.5	800	400	-20	5	-5
862.5	825	400	-22	5	-6
887.5	850	400	-19	6	-2
912.5	875	400	-18	6	-1
937.5	900	400	-17	5	-5
962.5	925	400	-18	2	-6
987.5	950	400	-16	3	5
1012.5	975	400	-14	3	12
1037.5	1000	400	-14	2	13
1062.5	1025	400	-21	-1	19
1087.5	1050	400	-19	-3	9
1112.5	1075	400	-29	-8	-6
1137.5	1100	400	-30	-8	-7
1162.5	1125	400	-27	-6	-6
1187.5	1150	400	-26	-3	-8
1212.5	1175	400	-24	-1	-10
1237.5	1200	400	-23	-1	-7
1262.5	1225	400	-19	0	-6
1287.5	1250	400	-18	0	-4
1312.5	1275	400	-17	0	-100013
1337.5	1300	400	-14	1	-100027
1212.5	1175	500	-17	1	99984
37.5	0	500	-3	1	-10
62.5	25	500	1	2	5
87.5	50	500	4	2	18

112.5	75	500	4	1	17
137.5	100	500	-4	0	13
162.5	125	500	-6	-1	7
187.5	150	500	-11	-2	6
212.5	175	500	-12	-2	12
237.5	200	500	-12	-2	14
262.5	225	500	-17	-1	11
287.5	250	500	-19	-1	1
312.5	275	500	-24	-1	-8
337.5	300	500	-23	0	-14
362.5	325	500	-21	-1	-16
387.5	350	500	-18	0	-12
412.5	375	500	-12	1	-11
437.5	400	500	-11	0	-11
462.5	425	500	-7	0	-4
487.5	450	500	-5	-1	2
512.5	475	500	-2	-1	0
537.5	500	500	-6	-5	-3
562.5	525	500	-3	-4	-17
587.5	550	500	-5	-7	-29
612.5	575	500	-1	-7	-5
637.5	600	500	10	-3	31
662.5	625	500	13	-2	34
687.5	650	500	1	-4	16
712.5	675	500	-9	-2	7
737.5	700	500	-11	0	-1
762.5	725	500	-13	2	-13
787.5	750	500	-14	2	-9
812.5	775	500	-9	4	6
837.5	800	500	-5	6	10
862.5	825	500	-9	4	15
887.5	850	500	-11	4	21
912.5	875	500	-13	4	9
937.5	900	500	-22	0	-8
962.5	925	500	-23	0	-11
987.5	950	500	-21	2	0
1012.5	975	500	-16	5	5
1037.5	1000	500	-17	2	1
1062.5	1025	500	-20	0	0
1087.5	1050	500	-18	0	-2
1112.5	1075	500	-20	0	-6
1137.5	1100	500	-18	1	-3
1162.5	1125	500	-18	0	5
1187.5	1150	500	-14	1	7
1237.5	1200	500	-19	-1	3
1262.5	1225	500	-18	0	-4
1287.5	1250	500	-22	0	-10021
1312.5	1275	500	-18	0	-10025
1337.5	1300	500	-18	0	9997
37.5	0	600	-10	-1	-7
62.5	25	600	-6	0	-6
87.5	50	600	-6	0	-2
112.5	75	600	-3	2	4
137.5	100	600	-3	2	8
162.5	125	600	-4	2	11

2' EXT

A

187.5	150	600	-6	1	6
212.5	175	600	-9	0	-3
237.5	200	600	-12	-1	5
262.5	225	600	-9	-2	25
287.5	250	600	-9	-1	27
312.5	275	600	-17	-2	6
337.5	300	600	-26	-2	-17
362.5	325	600	-27	-1	-27
387.5	350	600	-22	0	-20
412.5	375	600	-14	3	-6
437.5	400	600	-8	4	-1
462.5	425	600	-8	1	-5
487.5	450	600	-8	0	-7
512.5	475	600	-7	-1	-4
537.5	500	600	-4	-2	0
562.5	525	600	-4	-3	-5
587.5	550	600	-3	-3	-19
612.5	575	600	-5	-7	-21
637.5	600	600	3	-3	5
662.5	625	600	8	-2	35
687.5	650	600	11	-1	30
712.5	675	600	-5	-3	9
737.5	700	600	-11	-1	-4
762.5	725	600	-13	0	-11
787.5	750	600	-12	0	1
812.5	775	600	-8	3	17
837.5	800	600	-6	4	7
862.5	825	600	-15	0	-10
887.5	850	600	-16	-1	-10
912.5	875	600	-12	1	-4
937.5	900	600	-9	2	1
962.5	925	600	-9	2	11
987.5	950	600	-8	3	23
1012.5	975	600	-11	1	25
1037.5	1000	600	-17	-1	12
1062.5	1025	600	-25	-4	-6
1087.5	1050	600	-28	-3	-11
1112.5	1075	600	-26	-2	-4
1137.5	1100	600	-21	1	0
1162.5	1125	600	-22	1	0
1187.5	1150	600	-21	1	-10021
1212.5	1175	600	-22	0	-10037
1237.5	1200	600	-21	-1	9985
37.5	0	700	-5	-3	-6
62.5	25	700	-2	-3	-4
87.5	50	700	-1	-3	-4
112.5	75	700	0	-3	4
137.5	100	700	1	-3	17
162.5	125	700	2	0	26
187.5	150	700	-5	-1	29
212.5	175	700	-9	0	11
237.5	200	700	-20	-5	-13
262.5	225	700	-23	-8	-22
287.5	250	700	-17	-6	-12
312.5	275	700	-13	-6	17

A

C

337.5	300	700	-5	0	34
362.5	325	700	-13	-4	23
387.5	350	700	-22	-6	1
412.5	375	700	-30	-9	-11
437.5	400	700	-28	-7	-16
462.5	425	700	-25	-5	-20
487.5	450	700	-22	-2	-14
512.5	475	700	-15	0	-9
537.5	500	700	-12	1	-10
562.5	525	700	-11	0	-8
587.5	550	700	-7	1	-5
612.5	575	700	-6	0	2
637.5	600	700	-4	1	1
662.5	625	700	-4	-1	-13
687.5	650	700	-8	-4	-10
712.5	675	700	-1	-3	14
737.5	700	700	2	-1	28
762.5	725	700	-1	-2	17
787.5	750	700	-12	-4	-2
812.5	775	700	-15	-1	-8
837.5	800	700	-15	1	4
862.5	825	700	-10	4	10
887.5	850	700	-12	4	-1
912.5	875	700	-17	0	-6
937.5	900	700	-15	0	-2
962.5	925	700	-13	0	7
987.5	950	700	-13	1	11
1012.5	975	700	-13	0	-1
1037.5	1000	700	-20	-4	-14
1062.5	1025	700	-17	-2	-3
1087.5	1050	700	-15	-2	21
1112.5	1075	700	-8	2	-10005
1137.5	1100	700	-21	-2	-10032
1162.5	1125	700	-23	-2	9996
37.5	0	800	-11	-2	-14
62.5	25	800	-9	-2	-15
87.5	50	800	-6	-3	-9
112.5	75	800	0	0	-3
137.5	100	800	0	0	1
162.5	125	800	3	0	2
187.5	150	800	0	0	16
212.5	175	800	2	5	30
237.5	200	800	-1	3	13
262.5	225	800	-13	-3	-18
287.5	250	800	-16	-8	-41
312.5	275	800	-11	-7	-35
337.5	300	800	0	-3	13
362.5	325	800	14	5	42
387.5	350	800	10	0	22
412.5	375	800	-9	-8	12
437.5	400	800	-9	-6	15
462.5	425	800	-12	-5	3
487.5	450	800	-18	-6	-9
512.5	475	800	-18	-5	-10
537.5	500	800	-15	-1	-6



562.5	525	800	-12	0	1
587.5	550	800	-11	1	5
612.5	575	800	-10	1	-7
637.5	600	800	-14	-1	-18
662.5	625	800	-12	-2	-18
687.5	650	800	-5	-2	-13
712.5	675	800	-3	-3	19
737.5	700	800	4	-1	44
762.5	725	800	1	0	21
787.5	750	800	-19	-7	-1
812.5	775	800	-20	-2	-5
837.5	800	800	-19	-1	-5
862.5	825	800	-19	0	4
887.5	850	800	-15	0	-15
912.5	875	800	-18	1	-17
937.5	900	800	-20	0	23
962.5	925	800	2	8	15
987.5	950	800	-23	-2	-1
1012.5	975	800	-18	0	10
1037.5	1000	800	-18	1	8
1062.5	1025	800	-22	-3	-2
1087.5	1050	800	-24	-3	-9
1112.5	1075	800	-24	-2	3
1137.5	1100	800	-20	-1	23
1162.5	1125	800	-19	-2	17
912.5	875	900	-28	-7	-5
937.5	900	900	-34	-1	-14
962.5	925	900	-30	-2	-18
987.5	950	900	-27	0	-19
1012.5	975	900	-23	1	-7
1037.5	1000	900	-16	1	4
1062.5	1025	900	-15	2	9
1087.5	1050	900	-17	-2	9
1112.5	1075	900	-18	-3	3
1137.5	1100	900	-23	-2	4
1162.5	1125	900	-21	-3	11
1187.5	1150	900	-23	1	19
1212.5	1175	900	-25	0	-18
1237.5	1200	900	-30	-2	-67
1262.5	1225	900	-37	-9	-37

LISTING - SIWASH CREEK MAGNETIC DATA - APEX AIRBORNE SURVEYS LTD.

MAG STATN	LN NO.	GAMMAS	DX	DZ
0	0	57161.3	9999.9	-3.2
25	0	57231.9	70.6	3
50	0	57250.3	18.4	1.2
75	0	57269.4	19.1	4.1
100	0	57124.0	-145.4	-2.8
125	0	57050.1	-73.9	-24.3
150	0	57083.5	33.4	-2.5
175	0	57018.7	-64.8	-12.8
200	0	57018.1	-0.6	-2.4
225	0	56995.7	-22.4	-13.6
250	0	56989.3	-6.4	-25.1
275	0	57069.7	80.4	-15.5
300	0	57994.0	924.3	168.5
325	0	58196.8	202.8	113.8
350	0	57513.3	-683.5	-35.3
375	0	57185.3	-328	-29.5
400	0	57165.3	-20	-21.3
425	0	57255.4	90.1	20.3
450	0	56842.9	-412.5	-31.3
475	0	56873.7	30.8	-13
500	0	56946.3	72.6	-8.3
525	0	56937.8	-8.5	10.5
550	0	56925.4	-12.4	-22
575	0	56979.3	53.9	-10.1
600	0	57033.4	54.1	-7.8
625	0	57120.3	86.9	-15.2
650	0	57108.0	-12.3	0
675	0	57405.9	297.9	23.9
700	0	57156.9	-249	-5.2
725	0	57121.2	-35.7	-24.5
750	0	56967.4	-153.8	-47
775	0	57009.6	42.2	-27.6
800	0	57409.1	399.5	75.6
825	0	57010.8	-398.8	-28.3
850	0	56961.9	-48.4	-15.1
875	0	57098.1	136.2	21.7
900	0	57215.4	117.3	27.9
925	0	56978.8	-236.8	-6.9
950	0	57034.5	55.9	-10
975	0	57019.3	-15.2	-30
1000	0	57036.7	17.4	-7.3
1025	0	57031.0	-5.7	-15.3
1050	0	57052.1	21.1	-5.7
1075	0	57148.2	96.1	0.5
1100	0	57359.7	211.5	37.7
1125	0	57188.5	-171.2	-9.6
1150	0	57110.5	-78	-31.1
1175	0	57130.3	19.8	-43.1
1200	0	57199.1	68.8	-26.4

1225	0	57266.2	67.1	-7
1250	0	57420.7	154.5	-3.6
1275	0	57336.1	-84.6	-24.9
0	100	57167.6	99999.9	3.4
25	100	57116.8	-50.8	-6.5
50	100	57055.1	-61.7	-26.6
75	100	57120.4	65.3	-13.3
100	100	57058.4	-62	-38.4
125	100	57055.0	-3.4	-23.7
150	10	56982.0	-73	-9.3
175	100	56975.8	-6.2	-22.3
200	100	57003.5	27.7	-16.8
225	100	56939.8	-63.7	-21.4
250	100	56886.8	-53	-21
275	100	56792.5	-94.3	-98.7
300	100	57059.7	267.2	-13.3
325	100	57116.2	56.5	1.9
350	100	57303.1	186.9	13.8
375	100	57030.1	-273	-25.1
400	100	57103.0	72.9	-33.4
425	100	57093.7	-9.3	-25.1
450	100	57287.6	193.9	19.8
475	100	57056.9	-230.7	-27.9
500	100	57074.5	17.6	-13.9
525	100	56482.8	-591.7	-441.1
550	100	57067.2	584.4	-19
575	100	57195.2	128	-0.7
600	100	56983.6	-211.6	74
625	100	57242.3	258.7	-5.6
650	100	57056.7	-185.6	-21.9
675	100	57089.0	32.3	-7
700	100	56967.1	-121.9	-29.7
725	100	57175.6	208.5	-9.8
750	100	57334.6	159	-25.5
775	100	57175.9	-158.7	-19.2
800	100	57055.5	-120.4	-29.5
825	100	57174.1	118.6	-22.1
850	100	57156.7	-17.4	-6.1
875	100	56955.3	-201.4	160.4
900	100	57117.3	162	-5.3
925	100	57119.0	1.7	-17.8
950	100	57167.2	48.2	-94.6
975	100	57163.9	-3.3	-29.1
1000	100	57258.0	94.1	-33.4
1025	100	57185.0	-73	-9.1
1050	100	57140.4	-44.6	-33
1075	100	57265.1	124.7	10.1
1100	100	57228.7	-36.4	6.1
1125	100	57119.5	-109.2	-1.7
1150	100	57085.1	-34.4	-5.8
1175	100	57150.0	64.9	8.4
1200	100	57252.4	102.4	-0.6
1225	100	57265.9	13.5	-11.3
1250	100	57155.6	-110.3	-24.4
1275	100	57031.7	-123.9	-33.9

0	200	57137.3	9999.9	-15
25	200	57076.4	-60.9	-37.3
50	200	57204.0	127.6	-3.7
75	200	57207.1	8.1	2.9
100	200	57245.6	38.5	1
125	200	57266.3	20.7	14.6
150	200	57080.9	-185.4	-13.5
175	200	56896.2	-184.7	-19.1
200	200	57053.5	157.3	4.3
225	200	57100.3	46.8	-5.4
250	200	57182.1	9999.9	11.6
275	200	57103.0	-79.1	-7.5
300	200	57009.0	-94	-7.9
325	200	56957.7	-51.3	-23.1
350	200	56944.7	-13	-24.2
375	200	57111.1	166.4	-25.6
400	200	57324.1	213	0.8
425	200	57180.9	-143.2	-1.5
450	200	57204.1	23.2	-11.7
475	200	57156.8	-47.3	-11.1
500	200	57195.4	38.6	-20.9
525	200	57119.0	-76.4	29.9
550	200	56885.9	-233.1	-8.2
575	200	57042.8	156.9	-10.3
600	200	57176.2	133.4	-14.9
625	200	57113.8	-62.4	-23
650	200	57076.9	-36.9	-2.2
675	200	57148.4	71.5	20.3
700	200	57140.6	-7.8	16.7
725	200	56945.9	-194.7	-34.7
750	200	57082.1	136.2	-9
775	200	57117.7	35.6	-14.2
800	200	57231.6	113.9	6.1
825	200	57137.3	-94.3	-14.2
850	200	57192.7	55.4	-21.6
875	200	57245.8	53.1	-23.9
900	200	57449.9	204.1	14
925	200	57245.2	-204.7	-14.6
950	200	57133.6	-111.6	-29.1
975	200	57110.5	-23.1	-21.1
1000	200	57201.8	91.3	-13.5
1025	200	57120.9	-80.9	-19.5
1050	200	57104.4	-16.5	-28
1075	200	57214.4	110	-42.9
1100	200	57216.8	2.4	-46.4
1125	200	57475.8	259	28.9
1150	200	57129.1	-346.7	-27.1
1175	200	57098.8	-30.8	-46.4
1200	200	57334.6	236.3	57
1225	200	56997.6	-337	-32.3
1250	200	56939.8	-57.8	-19.9
1275	200	57075.0	135.2	-1.8
1300	200	57007.6	-67.4	-22.1
1325	200	57121.5	113.9	-16.9
1350	200	57120.6	-0.9	-6.7

0	300	57121.4	9999	-25.7
25	300	56912.4	-209	-26
50	300	57165.8	253.4	-11.4
75	300	57124.9	-40.9	-14.3
100	300	57155.4	30.5	-20.5
125	300	57185.0	29.6	-27.8
150	300	57203.6	18.6	-8.1
175	300	57055.5	-148.1	-111.6
200	300	57220.1	164.6	-12.1
225	300	57131.0	-89.1	-10.1
250	300	57004.4	-126.6	-36.7
275	300	57019.0	14.6	-29.7
300	300	57032.4	13.4	-46.7
325	300	57074.9	42.5	-18.2
350	300	57116.2	41.3	-2.4
375	300	57114.4	-1.8	-17.2
400	300	57039.4	-75	-30.9
425	300	56982.7	-56.7	-36.8
450	300	56944.8	-37.9	-42
475	300	57022.3	77.5	0.3
500	300	56989.7	-32.6	-59.7
525	300	57015.7	26	-82.1
550	300	56977.1	-38.6	-18.7
575	300	56939.1	-38	-25.4
600	300	55875.8	-1063.3	-34.1
625	300	57043.5	1167.7	-15.9
650	300	57025.2	-18.3	-35.5
675	300	56409.1	-616.1	496.9
700	300	57235.7	826.6	-6.4
725	300	57310.0	74.3	-6.7
750	300	57308.9	-1.1	-2.2
775	300	57402.3	93.4	-3.8
800	300	57348.9	-53.4	-19.6
825	300	57378.5	29.6	-3
850	300	57502.5	124	-12.1
875	300	57619.2	116.7	19.6
900	300	57411.9	-207.3	-35.1
925	300	57608.8	196.9	20.2
950	300	57368.6	-240.2	-29.7
975	300	57416.2	47.6	-9.1
1000	300	57221.0	-195.2	-52.2
1025	300	57202.7	-18.3	-6.8
1050	300	56982.3	-220.4	-20.2
1075	300	57009.7	27.4	-29.2
1100	300	56821.0	-188.7	-35.4
1125	300	56957.5	136.5	-44.6
1150	300	57141.3	183.8	2.3
1175	300	56962.3	-179	-44
1200	300	57101.8	139.5	-8.4
1225	300	57071.5	-30.3	-14.2
1250	300	57028.2	-43.3	-20.5
1275	300	57102.0	73.8	-26.1
1300	300	57022.4	-79.6	-33
1325	300	57114.8	92.4	-22.6
1350	300	57214.3	100.1	-1.6

0	400	57055.5	9999.9	-23.1
25	400	57281.8	226.3	-17.8
50	400	57250.3	-31.5	-24.4
75	400	57182.0	-88.3	-42.4
100	400	57188.3	6.3	-28.2
125	400	57196.1	7.8	-11.3
150	400	57223.4	27.3	-13
175	400	57022.9	-200.5	-28.4
200	400	57143.6	120.7	-4.3
225	400	57229.2	85.6	-22.2
250	400	57338.6	109.4	-12.7
275	400	57307.9	-30.7	-0.4
300	400	57331.9	24	-7.1
325	400	57302.2	-29.7	-12.6
350	400	57297.9	-4.3	2.6
375	400	57217.0	-80.9	-19.9
400	400	57152.8	-64.2	-35.1
425	400	57293.3	140.5	-14.8
450	400	57230.4	-62.9	12.8
475	400	56998.3	-232.1	-21.4
500	400	56944.3	-54	-33.3
525	400	57073.0	128.7	-12.1
550	400	57088.4	15.4	-39.2
575	400	57109.0	20.6	-17.4
600	400	56722.6	-386.4	-310.7
625	400	57013.6	291	-14.2
650	400	57048.1	34.5	-18
675	400	57035.4	-12.7	-29
700	400	57034.1	-1.3	-23.4
725	400	57039.1	5	-39.5
750	400	57071.2	32.1	-38.4
775	400	56643.6	-427.6	-404.7
800	400	55641.8	-1001.8	782.7
825	400	57085.0	1443.2	-7.4
850	400	57222.5	137.5	-25.8
875	400	57347.3	124.8	-12.1
900	400	57321.1	-26.2	0.1
925	400	57307.4	-13.7	-22.5
950	400	57218.6	-88.8	-35.3
975	400	57247.3	28.7	-20.2
1000	400	57326.3	79	9
1025	400	57089.9	-236.4	-29
1050	400	57152.5	62.6	-6.7
1075	400	56970.8	-181.7	3
1100	400	57010.1	39.3	-15.2
1125	400	56944.9	-65.2	-11
1150	400	55226.7	-1718.2	-488.9
1175	400	57025.1	1798.4	-13.8
1200	400	56989.5	-35.6	-31.7
1225	400	57091.0	101.5	-27.5
1250	400	57172.2	81.2	-13.2
1275	400	57217.5	45.3	0.8
1300	400	57059.8	-157.7	-39.7
1175	500	56981.9	9999.9	-26.8
0	500	57127.5	145.6	-45.8

25	500	57214.4	86.9	-24.7
50	500	57229.9	15.5	-23.9
75	500	57282.2	52.3	-19.8
100	500	57301.2	19	-35.3
125	500	57327.9	26.7	-14.3
150	500	57348.8	20.9	-8
175	500	57322.1	-26.7	-26.1
200	500	57361.9	39.8	-6.4
225	500	57194.8	-167.1	-204.9
250	500	57305.4	110.6	-48.9
275	500	57331.3	25.9	-17
300	500	57311.5	-19.8	-23.4
325	500	57185.5	-126	-25.2
350	500	57152.3	-33.2	-70.9
375	500	57283.2	130.9	-20.1
400	500	57458.4	173.2	8
425	500	57342.0	-114.4	-23.1
450	500	57430.0	88	5
475	500	57279.5	-150.5	-6.5
500	500	57244.9	-34.6	-1.9
525	500	57043.3	-201.6	-24.8
550	500	57016.7	-26.6	-8.1
575	500	57127.3	110.6	-52
600	500	57174.0	46.7	-11.4
625	500	57135.3	-38.7	-16.7
650	500	57077.9	-57.4	-36.3
675	500	57068.2	-9.7	-24.8
700	500	56973.3	-94.9	-139.2
725	500	57113.4	140.1	-7.3
750	500	57099.2	-14.2	-15.6
775	500	57063.9	-35.3	-40.4
800	500	57063.6	-0.3	-27.8
825	500	57003.8	-59.8	-42.6
850	500	57119.6	115.8	-22.9
875	500	57134.6	15	-12.7
900	500	57148.6	12	-30.8
925	500	57181.1	34.5	-8.3
950	500	57187.2	6.1	-14.3
975	500	57213.1	25.9	-1.2
1000	500	57213.0	-0.1	3.2
1025	500	57125.9	-87.1	-13.5
1050	500	57051.3	-74.6	-3.9
1075	500	57127.3	76	5
1100	500	57148.7	19.4	10.6
1125	500	57073.8	-72.9	-26.7
1150	500	56958.4	-115.4	-37.5
1200	500	56968.8	10.4	-23.9
1225	500	57057.5	88.7	-3.4
1250	500	57055.3	-2.2	-19
1275	500	56881.6	-173.7	-44.2
1300	500	57052.0	170.4	-3.8
0	600	57033.2	9999.9	-56.6
25	600	57149.1	115.9	6.2
50	600	57107.2	-41.9	-3.1
75	600	57096.4	-10.8	-11.9

100	600	57131.4	35	-19.5
125	600	57202.6	71.2	-16.9
150	600	57192.3	-10.3	-43.5
175	600	57290.7	88.4	-20
200	600	57341.7	61	-6
225	600	57322.4	-19.3	-39.6
250	600	57318.0	-4.4	3.6
275	600	57196.4	-121.6	9.3
300	600	57157.4	-39	-3.5
325	600	56952.3	-205.1	-21.9
350	600	56964.2	11.9	-34.7
375	600	57319.0	354.8	1.8
400	600	57204.9	-114.1	31.2
425	600	57030.6	-174.3	-106.9
450	600	57187.4	156.8	-21.3
475	600	57120.9	-66.5	-43.4
500	600	57268.4	147.5	-7.7
525	600	57116.1	-152.3	-34
550	600	56922.4	-193.7	-51.3
575	600	57126.5	204.1	-26.3
600	600	57181.8	55.3	-4.7
625	600	57086.8	-95	-28.2
650	600	57112.1	25.3	-21.5
675	600	57157.9	45.7	-27.1
700	600	57221.3	63.5	-14.8
725	600	57187.4	-33.9	-19.5
750	600	57154.8	-32.6	-11.4
775	600	57092.5	-62.3	-21.8
800	600	57043.0	-49.5	-45
825	600	57269.8	226.8	-6.8
850	600	57538.1	268.3	46.7
875	600	57391.1	-147	-4.2
900	600	57147.7	-243.4	9.5
925	600	57173.0	25.3	14
950	600	57235.2	62.2	1.6
975	600	57070.2	-165	-11
1000	600	57115.9	45.7	-11.8
1025	600	57133.5	17.6	-10.4
1050	600	57065.9	-67.6	-4.3
1075	600	57205.0	139.1	0
1100	600	56990.4	-214.6	-30.3
1125	600	57095.7	105.3	-2.2
1150	600	56978.4	-117.3	-42.8
1175	600	57089.3	110.9	-10
1200	600	57102.5	13.2	-8.4
0	700	57077.7	9999	-58.4
25	700	57135.4	57.7	-124.8
50	700	57194.9	59.5	-27.6
75	700	57097.2	-97.7	-46.9
100	700	57170.7	73.5	-31.2
125	700	57147.0	-23.7	-34.8
150	700	57157.5	10.5	-39.5
175	700	57170.7	13.2	-29.9
200	700	57211.6	40.9	-23.4
225	700	57087.1	-124.5	-40.1



250	700	57165.0	77.9	-32.1
275	700	57090.9	-74.1	-25.8
300	700	57201.2	110.3	-21.3
325	700	57176.1	-25.1	-26.9
350	700	57140.0	-36.1	-29.7
375	700	57356.3	216.3	-55.4
400	700	57233.2	-123.1	-34.8
425	700	57236.2	63	-50.7
450	700	57486.4	190.2	21.8
475	700	57319.8	-166.6	-2.2
500	700	57154.5	-165.3	-30.1
525	700	57323.6	169.1	-5.4
550	700	57144.5	-179.1	-27.1
575	700	57326.7	182.2	22.9
600	700	57087.2	-239.5	-26.9
625	700	57100.7	13.5	-18.2
650	700	57197.7	97	-25.9
675	700	57134.1	-63.6	-7.4
700	700	57115.4	-18.7	-43.5
725	700	57188.5	53.1	-17.1
750	700	57056.9	-111.6	-40.2
775	700	57218.2	161.3	-33.3
800	700	57225.1	6.9	-18.7
825	700	57138.6	-86.5	-21.1
850	700	57168.6	30	-29.4
875	700	57056.0	-112.6	-53.8
900	700	57165.8	109.8	-31.3
925	700	57134.7	-31.1	7.6
950	700	57159.5	24.8	-19.1
975	700	57227.4	67.9	1
1000	700	56953.8	-273.6	-31.4
1025	700	56937.8	-16	-16.7
1050	700	56984.6	46.8	-4.5
1075	700	56970.4	-14.2	-3.4
1100	700	56921.7	-48.7	-27.3
1125	700	57000.6	78.9	-24.5
0	800	57009.4	99.9	-29.3
25	800	56966.3	-43.1	-103.3
50	800	57089.7	123.4	-26.8
75	800	57187.3	97.6	-23.4
100	800	56938.4	-248.9	-36.7
125	800	56950.1	11.7	-33.3
150	800	57256.8	306.8	-17.9
175	800	57423.5	166.6	2.1
200	800	57248.1	-175.4	-26.5
225	800	57330.4	82.3	-21.8
250	800	57396.8	66.4	-37
275	800	57363.4	-33.4	-29.9
300	800	57535.2	171.8	-2.6
325	800	57538.9	3.7	-11.3
350	800	57292.1	-246.8	-49.9
375	800	57263.4	-28.7	-28.3
400	800	57217.4	-46	-14.9
425	800	57260.0	42.6	0.3
450	800	57100.8	-159.2	-20.6

475	800	57242.7	141.9	-25.4
500	800	57282.8	40.1	-29.3
525	800	57336.0	53.2	5.7
550	800	57209.6	-126.4	-0.9
575	800	57074.9	-134.7	-10.1
600	800	57174.6	99.7	-0.7
625	800	57272.4	97.8	-6.3
650	800	57333.7	61.3	2.7
675	800	57245.5	-88.2	-8.3
700	800	57104.6	-140.9	-27.7
725	800	57070.9	-33.7	-18
750	800	57012.0	-58.9	-25.9
775	800	56928.6	-83.4	-45.8
800	800	57086.8	158.2	-21.5
825	800	57157.0	70.2	-23.2
850	800	57141.0	-16	-13
875	800	57084.8	-56.2	-30.1
900	800	57065.3	-19.5	-21.3
925	800	57103.5	38.2	0.6
950	800	56928.6	-174.9	-44.8
975	800	57047.2	118.6	-24.5
1000	800	57121.6	74.4	0
1025	800	57046.8	-74.8	-7.6
1050	800	57007.7	-39.1	-36.3
1075	800	56914.7	-93	-45.1
1100	800	57037.8	123.1	-41.5
1125	800	56917.0	-120.8	-24.8
875	900	57093.2	999.9	-15.1
900	900	57101.2	8	-22.9
925	900	57055.2	-46	-12.1
950	900	57106.9	51.7	-12.9
975	900	57206.3	99.4	5.8
1000	900	56905.7	-300.6	13.3
1025	900	57099.4	193.7	-27.9
1050	900	57173.4	74	-19
1075	900	57097.6	-75.6	-12
1100	900	57070.6	-27.2	-11.1
1125	900	57000.9	-69.7	-34.3
1150	900	57099.0	98.1	-27
1175	900	56529.7	-569.3	-203.6
1200	900	57239.8	710.1	-8.7
1225	900	57142.0	-97.8	-36.9