CRCLEME
Cooperative Research Centre for
Landscape Evolution & Mineral Exploration

CSIRO
EXPLORATION
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Australian Mineral Industries Research Association Limited ACN 004 448 266

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REPORT
SERIES

REGOLITH GEOLOGY AND GEOCHEMISTRY MT MAGNET DISTRICT

Geochemical orientation studies, Stellar and Quasar deposits

Volume 2

I.D.M. Robertson, J.D. King, R.R. Anand and C.R.M. Butt

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March 2001

(CSIRO Division of Exploration and Mining Report 48C, 1994.
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CRC LEME is an unincorporated joint venture between The Australian National University, University of Canberra, Australian Geological Survey Organisation and CSIRO Exploration and Mining
Headquarters: CRC LEME c/o CSIRO Exploration and Mining, Private Bag No 5, PO Wembley, Western Australia, 6913.

RESEARCH ARISING FROM CSIRO/AMIRA YILGARN REGOLITH GEOCHEMISTRY PROJECTS 1987-1996

In 1987, CSIRO commenced a series of multi-client research projects in regolith geology and geochemistry which were sponsored by companies in the Australian mining industry, through the Australian Mineral Industries Research Association Limited (AMIRA). The initial research program, "Exploration for concealed gold deposits, Yilgarn Block, Western Australia" had the aim of developing improved geological, geochemical and geophysical methods for mineral exploration that would facilitate the location of blind, buried or deeply weathered gold deposits. The program commenced with the following projects:

P240: Laterite geochemistry for detecting concealed mineral deposits (1987-1991). Leader: Dr R.E. Smith.
Its scope was development of methods for sampling and interpretation of multi-element laterite geochemistry data and application of multi-element techniques to gold and polymetallic mineral exploration in weathered terrain. The project emphasised viewing laterite geochemical dispersion patterns in their regolith-landform context at local and district scales. It was supported by 30 companies.

P241: Gold and associated elements in the regolith - dispersion processes and implications for exploration (1987-1991). Leader: Dr C.R.M. Butt.
The project investigated the distribution of ore and indicator elements in the regolith. It included studies of the mineralogical and geochemical characteristics of weathered ore deposits and wall rocks, and the chemical controls on element dispersion and concentration during regolith evolution. This was to increase the effectiveness of geochemical exploration in weathered terrain through improved understanding of weathering processes. It was supported by 26 companies.

These projects represented 'an opportunity for the mineral industry to participate in a multi-disciplinary program of geoscience research aimed at developing new geological, geochemical and geophysical methods for exploration in deeply weathered Archaean terrains'. This initiative recognised the unique opportunities, created by exploration and open-cut mining, to conduct detailed studies of the weathered zone, with particular emphasis on the near-surface expression of gold mineralisation. The skills of existing and specially recruited research staff from the Floreat Park and North Ryde laboratories (of the then Divisions of Minerals and Geochemistry, and Mineral Physics and Mineralogy, subsequently Exploration Geoscience and later Exploration and Mining) were integrated to form a task force with expertise in geology, mineralogy, geochemistry and geophysics. Several staff participated in more than one project. Following completion of the original projects, two continuation projects were developed.

P240A: Geochemical exploration in complex lateritic environments of the Yilgarn Craton, Western Australia (1991-1993). Leaders: Drs R.E. Smith and R.R. Anand.
The approach of viewing geochemical dispersion within a well-controlled and well-understood regolith-landform and bedrock framework at detailed and district scales continued. In this extension, focus was particularly on areas of transported cover and on more complex lateritic environments typified by the Kalgoorlie regional study. This was supported by 17 companies.

P241A: Gold and associated elements in the regolith - dispersion processes and implications for exploration (1991-1993). Leader: Dr. C.R.M. Butt.
The significance of gold mobilisation under present-day conditions, particularly the important relationship with pedogenic carbonate, was investigated further. In addition, attention was focussed on the recognition of primary lithologies from their weathered equivalents. This project was supported by 14 companies.

Most reports related to the above research projects were published as CRC LEME Open File Reports Series (Nos 1-74), with an index (Report 75), by June 1999. Publication now continues with release of reports from further projects.

P252: Geochemical exploration for platinum group elements in weathered terrain. Leader: Dr C.R.M. Butt.
This project was designed to gather information on the geochemical behaviour of the platinum group elements under weathering conditions using both laboratory and field studies, to determine their dispersion in the regolith and to apply this to concepts for use in exploration. The research was commenced in 1988 by CSIRO Exploration Geoscience and the University of Wales (Cardiff). The Final Report was completed in December 1992. It was supported by 9 companies.

P409: Geochemical exploration in areas of transported overburden, Yilgarn Craton and environs, WA.
Leaders: Drs C.R.M. Butt and R.E. Smith.
About 50% or more of prospective terrain in the Yilgarn is obscured by substantial thicknesses of transported overburden that varies in age from Permian to Recent. Some of this cover has undergone substantial weathering. Exploration problems in these covered areas were the focus of Project 409. The research was commenced in June 1993 by CSIRO Exploration and Mining but was subsequently incorporated into the activities of CRC LEME in July 1995 and was concluded in July 1996. It was supported by 22 companies.

Although the confidentiality periods of Projects P252 and P409 expired in 1994 and 1998, respectively, the reports have not been released previously. CRC LEME acknowledges the Australian Mineral Industries Research Association and CSIRO Division of Exploration and Mining for authority to publish these reports. It is intended that publication of the reports will be a substantial additional factor in transferring technology to aid the Australian mineral industry.

This report (CRC LEME Open File Report 92) is a second impression (second printing) of CSIRO, Division of Exploration and Mining Restricted Report 48C, first issued in 1994, which formed part of the CSIRO/AMIRA Project P409.

Copies of this publication can be obtained from:
The Publication Officer, c/- CRC LEME, CSIRO Exploration and Mining, Private Bag 5, Wembley, WA 6913, Australia. Information on other publications in this series may be obtained from the above or from http://leme.anu.edu.au/
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APPENDIX G1

TABULATED GEOCHEMISTRY - DATA VERIFICATION

ICP - WMC
XRF - CSIRO
INAA - Becquerel

SampleNo	% SiO2(XRF)	% Al2O3(XRF)	% Fe2O3(INAA)	% Fe2O3(WMC)	% Fe2O3(XRF)	% MgO(XRF)	% Na2O(INAA)	% Na2O(XRF)	% K2O(INAA)	% K2O(XRF)	% P2O5(XRF)
HX-0826	41.03	16.18	27.31	24.73	30.47	0.70	0.15	0.15	0.24	0.44	0.042
HX-0831	61.14	15.38	8.81	8.29	9.73	1.20	2.17	2.27	1.60	1.37	0.021
HX-0837	61.03	17.49	5.22	5.29	6.24	1.81	3.19	3.60	1.41	1.23	0.025
HX-0851	42.55	17.46	24.88	19.73	25.49	1.24	0.26	0.26	0.46	0.43	0.030
HX-0853	42.40	16.99	24.88	21.30	27.07	0.78	0.18	0.20	0.69	0.44	0.034
HX-0855	48.70	14.59	23.59	19.73	25.84	0.34	0.12	0.14	<0.24	0.60	0.070
HX-0858	42.49	16.24	24.59	20.44	27.72	0.87	0.18	0.18	0.58	0.47	0.040
HX-0863	47.48	8.71	9.34	8.86	10.26	9.75	0.08	0.10	<0.24	0.07	0.012
HX-0879	37.72	16.69	29.17	24.30	32.10	0.86	0.15	0.18	0.35	0.39	0.039
HX-0886	58.70	15.42	6.98	6.86	7.74	2.37	2.60	2.66	1.46	1.80	0.023
HX-0892	65.98	15.47	5.60	5.29	6.21	1.94	2.75	2.85	2.55	2.62	0.055
HX-0984	58.53	15.87	10.61	9.01	11.35	0.74	0.19	0.18	<0.24	0.68	0.037
HX-0992	64.87	19.73	3.26	3.29	3.49	0.92	0.13	0.16	2.94	2.75	0.016
HX-2007	67.96	16.15	2.82	3.29	3.24	1.65	5.37	5.59	<0.59	1.10	0.019

SampleNo	ppm Ag(AnLbs)	ppm Ag(INAA)	ppm Ag(WMC)	ppm As(INAA)	ppm As(WMC)	ppb Au(INAA)	ppb Au(WMC)	ppm Ba(INAA)	ppm Ba(WMC)	ppm Ba(XRF)	ppm Bi(AnLbs)	ppm Bi(WMC)
HX-0826	0.6	<5	1	17	25	54	81	510	425	442	0.2	0.5
HX-0831	0.3	<5	0.005	5	10	49	23	432	400	417	0.1	0.2
HX-0837	0.2	<5	0.005	9	15	262	570	238	295	304	0.1	0.001
HX-0851	0.4	<5	0.005	17	20	39	54	491	410	461	0.2	0.2
HX-0853	0.4	<5	0.005	17	20	65	79	580	460	488	0.2	0.3
HX-0855	0.6	<5	0.005	19	20	46	55	631	570	591	0.3	0.6
HX-0858	0.5	<5	0.005	22	25	42	43	412	300	333	0.2	0.3
HX-0863	0.001	<5	0.005	9	10	<5	0.01	868	880	887	0.001	0.001
HX-0879	0.4	<5	1	20	20	81	70	573	510	551	0.2	0.5
HX-0886	0.2	<5	0.005	9	10	10	3	810	920	840	0.1	0.001
HX-0892	0.2	<5	0.005	14	15	20	19	851	760	815	0.001	0.001
HX-0984	0.5	<5	0.005	8	0.05	33	25	538	510	563	0.2	0.5
HX-0992	0.2	<5	0.005	5	0.05	5	3	474	430	435	0.001	0.5
HX-2007	0.3	<5	0.005	5	0.05	<5	2	272	225	223	0.1	0.4

SampleNo	ppm Br(INAA)	ppm Ca(WMC)	ppm Ca(XRF)	ppm Ce(INAA)	ppm Ce(XRF)	ppm Cl(XRF)	ppm Co(INAA)	ppm Co(WMC)	ppm Co(XRF)	ppm Cr(INAA)	ppm Cr(WMC)	ppm Cr(XRF)
HX-0826	<2	4100	1572	28	23	50	27	25	14	1280	1050	1391
HX-0831	<2	2400	2573	20	20	120	15	15	10	426	270	450
HX-0837	<2	2000	2216	19	23	180	14	15	11	211	155	232
HX-0851	<2	1700	2001	35	19	80	33	30	12	2210	1650	2168
HX-0853	2	1800	2073	31	14	150	24	20	13	1020	830	1074
HX-0855	3	2300	1001	86	79	140	35	30	16	1050	850	1100
HX-0858	<2	1600	1930	26	27	90	25	25	7	1020	850	1110
HX-0863	<2	16600	35949	2	<3	170	40	40	32	2610	1800	2770
HX-0879	<2	2500	1858	18	12	280	29	25	6	2040	1600	2176
HX-0886	<2	12000	14437	21	21	250	15	15	13	131	100	131
HX-0892	<2	1700	2001	27	19	10	59	55	58	63.5	50	57
HX-0984	<2	16100	2001	70	67	210	37	30	27	371	270	377
HX-0992	<2	3600	4717	19	25	60	2	0.05	<2	100	65	95
HX-2007	<2	1100	2001	25	27	100	16	20	16	102	80	104

SampleNo	ppm Cs(INAA)	ppm Cu(WMC)	ppm Cu(XRF)	ppm Eu(INAA)	ppm Ga(WMC)	ppm Ga(XRF)	ppm Hf(INAA)	ppb Ir(INAA)	ppm La(INAA)	ppm La(XRF)	ppm Lu(INAA)
HX-0826	2	125	107	0.7	25	26	3.2	<20	16.7	13	0.2
HX-0831	3	35	19	0.6	22	24	2.8	<20	12.2	11	<0.2
HX-0837	2	25	5	<0.5	20	22	2.3	<20	9.7	11	<0.2
HX-0851	<1	90	82	0.7	24	25	3.5	<20	19.8	15	0.2
HX-0853	4	100	89	1.0	24	25	3.0	<20	20.0	13	0.2
HX-0855	2	90	61	1.2	22	23	4.6	<20	36.9	35	0.4
HX-0858	3	105	100	0.5	24	26	3.1	<20	14.9	10	0.2
HX-0863	<1	25	22	<0.5	6	6	<0.5	<20	1.2	<2	<0.2
HX-0879	3	100	93	0.5	23	29	3.1	<20	12.0	13	0.2
HX-0886	6	35	24	0.7	17	20	1.9	<20	10.0	13	<0.2
HX-0892	8	35	27	0.8	19	20	2.3	<20	14.0	11	<0.2
HX-0984	2	80	49	1.1	18	21	4.3	<20	34.0	38	0.3
HX-0992	2	5	<6	<0.5	22	23	2.9	<20	10.2	10	<0.2
HX-2007	6	15	8	<0.5	18	18	2.5	<20	13.4	20	<0.2

SampleNo	ppm Mn(WMC)	ppm Mn(XRF)	ppm Mo(AnLbs)	ppm Mo(INAA)	ppm Mo(WMC)	ppm Nb(WMC)	ppm Nb(XRF)	ppm Ni(AnLbs)	ppm Ni(WMC)	ppm Ni(XRF)
HX-0826	620	697	2.1	<5	1.000	3	0	167	150	145
HX-0831	190	217	1.4	<5	0.500	2	<2	127	115	120
HX-0837	105	101	1.2	<5	0.005	1	<3	78	80	87
HX-0851	590	674	1.7	<5	1.500	4	1	275	265	289
HX-0853	445	511	2.0	<5	1.500	3	1	148	150	155
HX-0855	1250	1402	2.4	<5	1.500	5	<1	112	115	113
HX-0858	475	565	1.9	<5	1.500	4	<2	146	135	157
HX-0863	210	232	0.9	<5	0.500	0.01	<5	415	435	479
HX-0879	470	542	1.5	<5	2.000	3	<4	179	165	199
HX-0886	125	147	0.4	<5	0.005	1	<5	66	65	66
HX-0892	1750	2138	0.7	<5	1.500	0.01	<4	103	100	110
HX-0984	930	1139	1.3	<5	1.500	4	1	119	145	128
HX-0992	30	54	0.5	<5	0.500	0.01	<4	21	20	22
HX-2007	135	163	0.9	<5	1.500	0.01	0	86	95	99

SampleNo	ppm Pb(AnLbs)	ppm Pb(WMC)	ppm Pb(XRF)	ppm Rb(INAA)	ppm Rb(XRF)	ppm S(XRF)	ppm Sb(INAA)	ppm Sb(WMC)	ppm Sc(INAA)	ppm Se(INAA)	ppm Sm(INAA)	ppm Sr(XRF)
HX-0826	18	42	13	35.6	25	240	2.12	1	45	<5	2.9	43
HX-0831	11	10	11	49.2	85	110	1.55	0.005	14.9	<5	2.18	205
HX-0837	11	8	18	53.2	51	50	1.27	0.5	11.4	<5	2	372
HX-0851	15	10	19	47.4	24	180	2.67	1.5	42	<5	3.23	42
HX-0853	16	14	22	25.7	25	200	1.76	1	39.6	<5	3.31	45
HX-0855	31	40	27	33.4	41	250	2.21	1	32.5	<5	6.13	34
HX-0858	17	12	22	38.4	28	180	2.11	0.005	40.3	<5	2.8	42
HX-0863	2	0.02	10	<20	1	280	2.79	1	13.7	<5	0.4	78
HX-0879	16	12	25	27.1	21	250	5.99	3.5	46.9	<5	2.22	41
HX-0886	5	2	12	79.7	84	150	2.58	1.5	11.6	<5	2.29	171
HX-0892	7	4	14	74.8	89	30	3.5	1	10.8	<5	2.85	164
HX-0984	21	205	27	45.4	45	150	0.78	0.005	23.8	<5	5.32	46
HX-0992	8	4	9	73.9	79	40	1.68	0.5	10.9	<5	1.64	36
HX-2007	4	0.02	9	29.9	40	30	1.37	1	6.09	<5	2.05	101

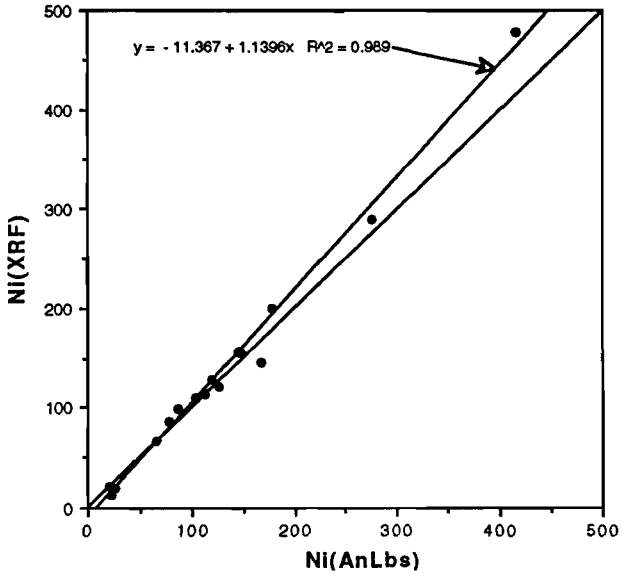
SampleNo	ppm Ta(INAA)	ppm Th(INAA)	ppm Th(WMC)	ppm Ti(WMC)	ppm Ti(XRF)	ppm U(INAA)	ppm U(WMC)	ppm V(WMC)	ppm V(XRF)	ppm W(INAA)	ppm Y(WMC)	ppm Y(XRF)
HX-0826	<1	10.5	10.6	3850	14679	<2	1.2	600	522	<2	14	18
HX-0831	<1	5.62	5.6	2600	11343	<2	1.1	195	159	4	8	7
HX-0837	<1	3.94	4.2	1700	12177	<2	0.9	135	97	29	6	8
HX-0851	<1	9.79	9.3	4000	13678	<2	1.1	485	383	<2	14	17
HX-0853	<1	8.67	8.7	4050	13845	<2	1.1	510	433	<2	16	16
HX-0855	<1	14.6	14.2	3900	13512	<2	2.5	455	390	<2	25	26
HX-0858	<1	9.07	8.8	3700	13345	<2	1.1	570	486	<2	13	13
HX-0863	<1	0.78	0.6	315	3503	<2	0.6	210	153	<2	2	3
HX-0879	1.29	10.6	9.6	3650	13512	<2	1	600	519	<2	9	12
HX-0886	1.9	3.28	3.3	2000	11844	<2	0.6	145	119	4	5	8
HX-0892	<1	3.39	3.3	1750	11343	<2	0.7	145	105	12	8	10
HX-0984	1.29	10.7	9.7	2900	10175	<2	1.7	255	195	<2	21	27
HX-0992	<1	3.71	3.6	790	6839	<2	0.7	80	54	<2	5	6
HX-2007	1.87	2.64	2.9	520	5338	<2	0.4	60	44	<2	7	9

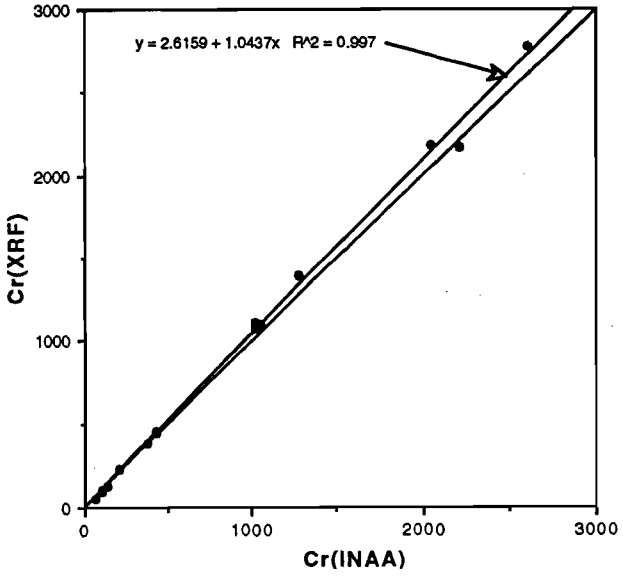
SampleNo	ppm Yb(INAA)	ppm Zn(INAA)	ppm Zn(WMC)	ppm Zn(XRF)	ppm Zr(WMC)	ppm Zr(XRF)
HX-0826	1.8	132	60	49	65	115
HX-0831	0.93	<100	20	20	90	99
HX-0837	0.78	139	50	59	105	102
HX-0851	1.67	132	40	41	120	121
HX-0853	1.8	134	50	45	75	109
HX-0855	2.65	131	70	63	80	159
HX-0858	1.76	140	50	51	85	113
HX-0863	0.62	<100	30	35	15	17
HX-0879	1.44	141	50	46	65	122
HX-0886	0.8	101	40	26	70	78
HX-0892	1.09	129	70	71	235	82
HX-0984	2.47	140	60	56	60	142
HX-0992	0.77	<100	20	17	125	126
HX-2007	0.65	121	60	55	105	93

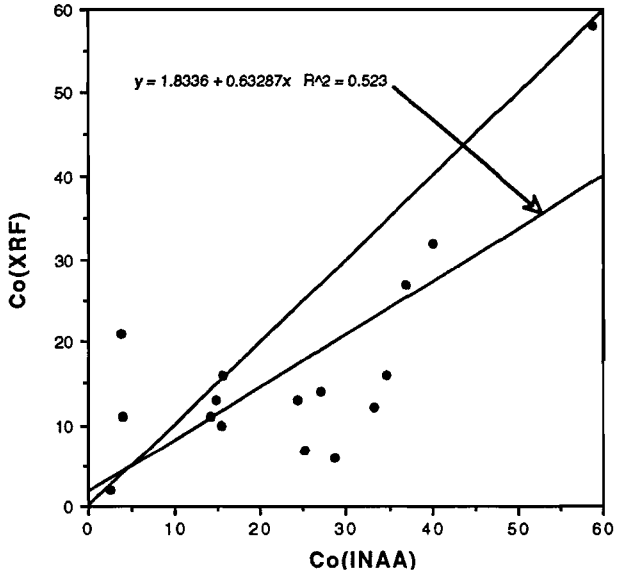
APPENDIX G2

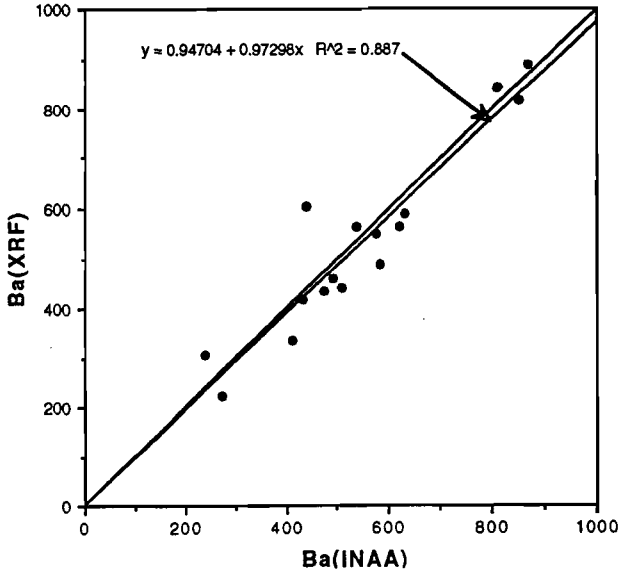
SCATTERPLOTS - DATA VERIFICATION

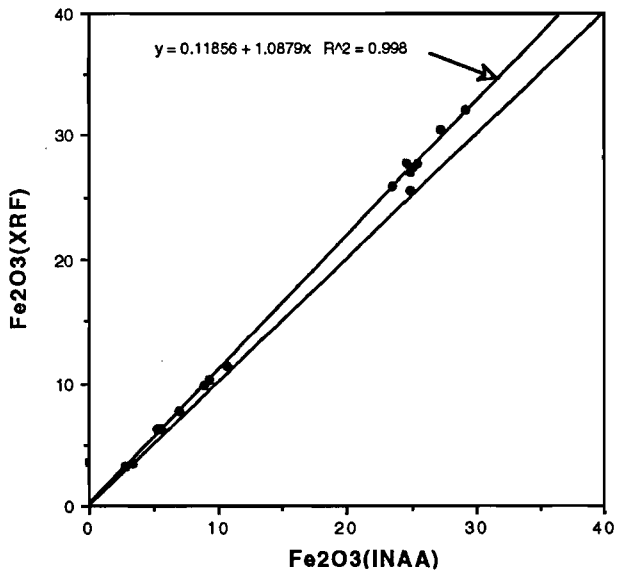
ICPMS - Analabs
XRF - CSIRO
INAA - Becquerel

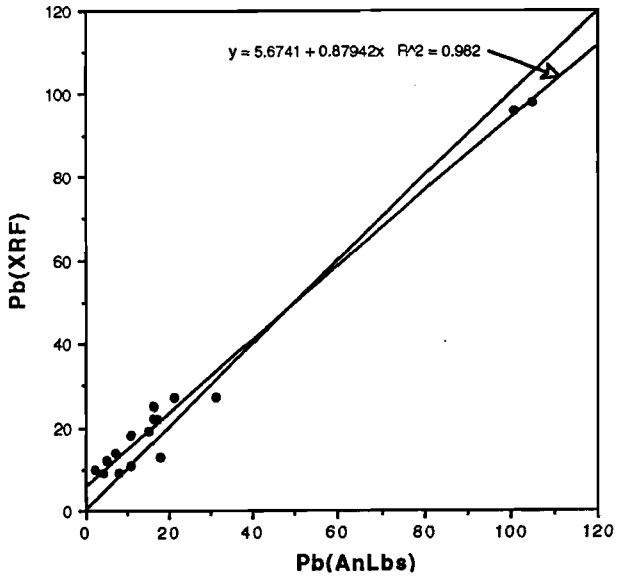

y = - 11.367 + 1.1396x R^2 = 0.989
Ni(XRF)
Ni(AnLbs)
0
100
200
300
400
500


y = 2.6159 + 1.0437x R^2 = 0.997
Cr(XRF)
Cr(INAA)
0
1000
2000
3000


y = 1.8336 + 0.63287x R^2 = 0.523
Co(XRF)
Co(INAA)
0
10
20
30
40
50
60


y = 0.94704 + 0.97298x R^2 = 0.887
Ba(XRF)
Ba(INAA)
0
200
400
600
800
1000


y = 0.11856 + 1.0879x R^2 = 0.998
Fe2O3(XRF)
Fe2O3(INAA)
0
10
20
30
40


y = 5.6741 + 0.87942x R^2 = 0.982
Pb(XRF)
Pb(AnLbs)
0
20
40
60
80
100
120

APPENDIX Q1

TABULATED GEOCHEMISTRY - QUASAR ORIENTATION SURVEY

see text for methods

QUASAR

SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000709	MOWI10	0	1	14.58	10	34	620	25	590	80	19	810	6	130	16	1	10.8	1.7	345	26	60	Clay-rich Colluvium
HX000710	MOWI10	1	2	28.88	25	52	500	25	1050	125	26	510	4	165	24	1.5	9.8	1.1	720	18	50	Clay-rich Colluvium
HX000711	MOWI10	2	3	23.16	20	57	405	25	1150	110	22	445	6	180	20	1	9.4	1	580	12	50	Clay-rich Colluvium
HX000712	MOWI10	3	4	22.45	20	116	285	45	1500	100	21	670	5	230	16	1	9.7	1.1	560	12	50	Clay-rich Colluvium
HX000713	MOWI10	4	5	25.31	20	31	295	25	2200	80	18	530	4	320	18	1.5	10.2	1.1	620	10	40	Clay-rich Colluvium
HX000714	MOWI10	5	6	13.73	15	10	285	25	1300	60	14	510	4	275	8	0.5	6.5	1	370	11	30	Interface
HX000701	MOWI11	0	1	18.30	15	39	800	25	730	80	19	1000	6	110	18	1	12	2	490	16	60	Clay-rich Colluvium
HX000702	MOWI11	1	2	12.72	15	41	290	20	400	80	20	600	5	145	14	0.005	9.1	1.1	305	17	60	Clay-rich Colluvium
HX000703	MOWI11	2	3	28.17	20	1080	360	25	1550	110	24	475	5	185	18	0.5	10.1	1.2	730	11	50	Clay-rich Colluvium
HX000704	MOWI11	3	4	25.73	30	58	440	30	2400	75	21	425	4	290	22	4.5	15.3	1.1	550	10	50	Gravelly Colluvium
HX000705	MOWI11	4	5	16.44	20	47	240	25	1750	50	16	660	4	325	14	2	10.9	1.2	390	11	30	Gravelly Colluvium
HX000706	MOWI11	5	6	12.58	20	3	270	35	1150	65	15	850	5	305	255	2.5	8.8	1.4	280	8	30	Channel Sediment
HX000707	MOWI11	6	7	11.01	20	3	215	40	1100	50	16	770	6	345	14	2	9.4	1.5	345	10	40	Channel Sediment
HX000708	MOWI11	7	8	9.15	25	2	335	45	710	50	17	770	7	345	62	1.5	10.7	1.7	255	7	40	Interface
HX000694	MOWI21	0	1	14.01	10	15	680	30	580	65	18	1400	6	95	26	1	12	1.9	275	22	60	Clay-rich Colluvium
HX000695	MOWI21	1	2	17.44	15	49	410	20	650	125	22	710	5	140	16	1	9.4	1.1	460	17	60	Clay-rich Colluvium
HX000696	MOWI21	2	3	25.88	20	45	365	25	1300	125	23	480	5	185	18	1.5	9	1.1	710	12	50	Clay-rich Colluvium
HX000697	MOWI21	3	4	18.01	15	27	250	40	890	100	21	640	6	320	12	1	8.4	0.9	460	17	50	Clay-rich Colluvium
HX000698	MOWI21	4	5	21.02	20	23	250	30	2300	80	19	570	4	330	16	1.5	9.4	1.1	520	10	40	Clay-rich Colluvium
HX000699	MOWI21	5	6	10.29	20	4	190	30	960	40	12	600	4	245	10	1	7.2	1.1	245	10	30	Interface
HX000700	MOWI21	6	7	6.43	10	2	295	25	430	30	13	550	4	195	14	1	5.5	1.1	160	10	20	Saprolite
HX000680	MOWI22	0	1	27.59	20	37	480	20	1050	95	18	630	6	110	32	1.5	12.2	1.8	610	20	60	Clay-rich Colluvium
HX000681	MOWI22	1	2	20.59	20	51	720	25	700	120	21	900	5	180	52	1	8.6	1.2	550	20	50	Clay-rich Colluvium
HX000682	MOWI22	2	3	33.31	30	43	335	25	1800	145	24	395	5	190	18	1	9.4	1.2	890	9	50	Gravelly Colluvium
HX000683	MOWI22	3	4	17.87	10	46	235	35	1300	95	19	610	6	310	20	1	8.5	0.9	415	14	40	Clay-rich Colluvium
HX000684	MOWI22	4	5	17.59	25	45	240	30	1550	70	21	690	6	280	14	3	10.9	1	440	11	40	Clay-rich Colluvium
HX000685	MOWI22	5	6	6.86	15	12	125	25	610	40	10	580	3	200	20	1	5.3	0.9	145	8	30	Channel Sediment
HX000686	MOWI22	6	7	7.72	10	3	170	35	770	35	10	610	4	290	18	1.5	6	1.1	200	11	30	Channel Sediment
HX000687	MOWI22	7	8	10.15	15	32	210	45	870	50	14	720	5	345	28	1.5	9.1	1.4	255	7	40	Channel Sediment
HX000688	MOWI22	8	9	5.72	5	12	455	15	375	25	19	255	3	150	24	0.5	5.5	1	140	5	20	Interface
HX000689	MOWI22	9	10	3.86	5	11	500	0.05	145	10	19	60	2	30	12	0.005	4.1	0.8	55	4	10	Clay saprolite
HX000690	MOWI22	10	11	2.86	0.05	26	520	5	150	45	22	85	4	75	265	1	4.1	1	60	4	10	Clay saprolite
HX000691	MOWI22	11	12	2.14	0.05	18	540	0.05	60	45	20	50	1	30	32	0.005	4	0.8	55	4	20	Mottled Zone
HX000692	MOWI22	12	13	2.43	0.05	13	560	0.05	50	15	20	50	1	25	32	0.005	3.5	0.7	60	5	20	Saprolite
HX000693	MOWI22	13	14	3.00	0.05	2	630	0.05	45	20	18	55	1	35	130	0.005	4	0.9	65	5	40	Saprolite
HX000672	MOWI23	0	1	21.30	20	77	550	30	850	110	21	760	6	150	28	1	12.8	1.9	480	22	50	Clay-rich Colluvium
HX000673	MOWI23	1	2	18.30	15	130	420	35	600	110	20	1300	5	170	22	1	8.6	1.2	420	16	50	Gravelly Colluvium
HX000674	MOWI23	2	3	23.16	25	48	580	25	1350	105	23	630	4	185	18	3.5	10.1	1.2	540	11	50	Gravelly Colluvium
HX000675	MOWI23	3	4	26.16	35	55	650	30	1950	85	22	530	5	310	62	12	13.1	1.2	630	11	50	Gravelly Colluvium

QUASAR

SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000676	MOWI23	4	5	17.30	20	70	355	40	1700	55	21	590	5	490	16	7	10.6	1.1	360	13	40	Clay-rich Colluvium
HX000677	MOWI23	5	6	14.15	20	31	250	30	1250	70	18	670	6	375	14	5	10.3	1.1	300	10	30	Interface
HX000678	MOWI23	6	7	11.01	20	5	190	25	1050	50	16	425	5	260	22	4	8.2	1.1	315	9	30	Clay saprolite
HX000679	MOWI23	7	8	1.57	5	2	30	0.05	70	15	2	75	0.01	60	2	0.005	0.85	0.5	30	11	10	Clay saprolite
HX000184	MOWI26	0	1	18.01	10	9	390	30	760	75	27	1250	3	85	24	0.005	13.3	2.7	350	13	60	Clay-rich Colluvium
HX000185	MOWI26	1	2	20.73	15	28	690	25	730	95	32	600	2	155	14	0.005	9.2	1.3	420	16	70	Clay-rich Colluvium
HX000186	MOWI26	2	3	20.73	25	42	230	25	1300	75	27	540	4	215	16	2	11	1.4	435	12	60	Clay-rich Colluvium
HX000187	MOWI26	3	4	15.15	15	39	320	30	1700	55	24	650	4	365	12	2.5	9.5	1	280	10	40	Clay-rich Colluvium
HX000188	MOWI26	4	5	10.29	15	22	190	30	780	45	19	610	4	235	10	2	7.2	1.1	220	9	40	Channel Sediment
HX000189	MOWI26	5	6	12.72	25	14	220	30	1350	40	20	700	4	265	12	3.5	9.6	1.5	305	4	40	Channel Sediment
HX000190	MOWI26	6	7	9.44	25	7	175	30	820	35	16	495	5	245	10	2	7.5	1.4	230	8	40	Channel Sediment
HX000191	MOWI26	7	8	10.29	20	3	195	35	940	40	20	520	4	320	8	1.5	8.9	1.5	260	6	40	Channel Sediment
HX000192	MOWI26	8	9	4.43	5	2	445	10	220	15	27	170	1	75	12	0.5	5	1.2	100	4	30	Interface
HX000193	MOWI26	9	10	3.29	0.05	3	550	5	95	10	30	90	1	35	10	0.005	4.5	0.9	70	4	40	Mottled Zone
HX000377	MOWI39	0	1	12.01	15	70	930	25	480	95	23	510	4	160	14	1	9.2	1.6	270	43	60	Clay-rich Colluvium
HX000378	MOWI39	1	2	20.73	0.05	118	460	30	830	130	21	550	4	160	14	2.5	9.8	1.8	460	16	50	Clay-rich Colluvium
HX000379	MOWI39	2	3	18.01	15	60	470	25	710	115	24	540	5	155	88	2	9.6	1.2	430	20	50	Clay-rich Colluvium
HX000380	MOWI39	3	4	24.16	10	52	370	35	1200	125	24	710	5	190	28	3.5	8.4	0.7	590	11	50	Clay-rich Colluvium
HX000381	MOWI39	4	5	17.44	15	43	295	30	1200	115	23	630	5	225	14	3.5	10.1	1.1	440	11	50	Clay-rich Colluvium
HX000382	MOWI39	5	6	9.72	20	17	220	35	760	65	17	560	5	295	22	6	9.6	1.2	170	10	40	Interface
HX000383	MOWI39	6	7	3.15	10	3	280	15	105	25	13	205	2	120	54	1.5	2.7	0.8	75	6	30	Clay saprolite
HX000384	MOWI39	7	8	2.43	0.05	3	435	15	80	15	14	310	2	100	4	1.5	2	0.9	60	4	30	Saprolite
HX000385	MOWI39	8	9	2.72	0.05	7	960	10	75	20	19	135	2	105	6	1	1.95	0.9	60	4	30	Saprolite
HX000386	MOWI39	9	10	2.29	0.05	2	990	10	45	15	17	225	1	80	4	0.5	1.75	0.6	45	3	30	Clay saprolite
HX000387	MOWI39	10	11	2.57	0.05	6	980	10	55	35	21	190	1	100	12	0.5	2	0.5	50	4	30	Clay saprolite
HX000388	MOWI39	11	12	2.43	0.05	24	460	10	65	15	17	110	2	80	2	1.5	2.6	0.3	60	4	30	Clay saprolite
HX000389	MOWI39	12	13	6.15	15	3	810	20	110	40	32	195	4	135	10	2.5	4.8	1.3	155	6	20	Clay saprolite
HX000390	MOWI39	13	14	2.72	5	2	510	10	50	15	23	110	3	80	6	2	3	0.7	80	5	20	Clay saprolite
HX000391	MOWI39	14	15	2.72	0.05	10	450	15	45	15	21	145	3	75	8	1.5	3	0.5	50	5	30	Clay saprolite
HX000392	MOWI39	15	16	3.15	10	3	520	40	45	20	23	770	3	105	10	1.5	3.6	1	50	6	30	Saprolite
HX000393	MOWI39	16	17	2.86	5	0.01	650	65	40	10	26	1200	5	100	6	1	3.4	0.8	50	7	40	Saprolite
HX000394	MOWI39	17	18	2.86	0.05	5	540	30	40	20	24	470	2	95	8	1	3.4	0.8	55	8	50	Saprolite
HX000395	MOWI39	18	19	2.72	0.05	18	540	45	45	25	18	690	1	95	14	2	3	0.6	55	6	50	Saprolite
HX000164	MOWI42	0	1	24.59	15	39	520	25	960	95	32	750	3	135	16	0.5	11.4	1.5	540	20	60	Clay-rich Colluvium
HX000165	MOWI42	1	2	28.45	30	59	385	20	1400	90	30	460	4	145	18	2	11.3	1.3	660	11	50	Clay-rich Colluvium
HX000166	MOWI42	2	3	30.88	40	33	610	25	2400	75	34	420	4	235	18	4.5	11.5	1.1	590	9	50	Gravelly Colluvium
HX000167	MOWI42	3	4	27.45	25	37	550	35	3800	50	31	560	3	420	20	5.5	12.4	1.4	500	9	50	Clay-rich Colluvium
HX000168	MOWI42	4	5	28.31	55	71	320	30	2950	45	26	570	3	320	24	17	13.5	1.9	590	7	40	Clay-rich Colluvium
HX000169	MOWI42	5	6	38.89	85	47	440	30	4750	40	30	560	2	345	34	29	16.8	2	900	7	40	Gravelly Colluvium

QUASAR

SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000170	MOWI42	6	7	6.72	10	2	210	15	470	20	10	260	0.01	105	6	2	3.4	1.1	140	4	20	Channel Sediment
HX000171	MOWI42	7	8	3.29	0.05	5	45	5	210	10	5	75	0.01	60	4	1.5	1.9	0.9	75	5	20	Channel Sediment
HX000172	MOWI42	8	9	32.74	115	4	2950	20	3050	40	70	420	2	230	20	47	12.1	3.4	690	4	30	Channel Sediment
HX000173	MOWI42	9	10	10.87	20	2	455	5	890	15	25	175	1	65	8	7.5	5.3	1.4	220	3	20	Channel Sediment
HX000174	MOWI42	10	11	5.72	0.05	30	680	0.05	195	10	36	155	1	25	4	1.5	4.4	1.2	100	3	20	Interface
HX000175	MOWI42	11	12	7.43	15	17	1200	0.05	125	20	42	125	1	20	10	1	4.9	1.2	95	3	20	Mottled Zone
HX000176	MOWI42	12	13	11.15	25	4	600	5	90	40	31	125	0.01	20	16	1	4.7	1.7	110	3	30	Mottled Zone
HX000177	MOWI42	13	14	2.43	0.05	2	660	0.05	45	10	33	40	1	10	18	0.005	3.5	1.1	55	3	20	Clay saprolite
HX000178	MOWI42	14	15	3.00	15	12	730	0.05	35	10	34	30	0.01	10	18	0.5	3.9	1.2	50	4	30	Clay saprolite
HX000179	MOWI42	15	16	5.29	20	2	520	0.05	35	25	30	35	0.01	15	22	0.5	4.3	1.3	70	4	30	Clay saprolite
HX000180	MOWI42	16	17	1.57	0.05	2	710	0.05	30	10	33	15	0.01	10	14	0.005	3.8	0.9	45	4	20	Ferruginous saprolite
HX000181	MOWI42	17	18	3.29	15	3	630	0.05	35	15	31	25	0.01	10	18	0.5	4.9	1.4	55	5	30	Clay saprolite
HX000182	MOWI42	18	19	2.72	5	3	760	0.05	40	15	34	20	0.01	15	24	0.005	5.6	1.9	50	8	30	Ferruginous saprolite
HX000183	MOWI42	19	20	2.72	0.05	3	740	0.05	30	25	35	15	0.01	15	28	0.005	5.1	1.8	55	9	40	Clay saprolite
HX000142	MOWI43	0	1	14.15	15	27	690	25	610	70	32	1050	5	110	20	1	12.5	2.4	325	19	70	Clay-rich Colluvium
HX000143	MOWI43	1	2	18.73	15	51	510	25	800	110	30	405	4	165	14	1	9.4	1.4	450	15	70	Clay-rich Colluvium
HX000144	MOWI43	2	3	25.73	35	70	560	25	1750	90	31	430	4	195	22	3.5	11	1.3	590	12	50	Clay-rich Colluvium
HX000145	MOWI43	3	4	21.59	40	90	510	20	1900	75	31	455	4	260	16	4.5	12.7	1.2	500	11	50	Clay-rich Colluvium
HX000146	MOWI43	4	5	11.44	10	59	210	25	1100	55	22	495	5	335	12	3.5	9.5	1.2	235	10	40	Clay-rich Colluvium
HX000147	MOWI43	5	6	22.02	40	71	280	30	2550	50	26	550	3	310	22	10.5	13.1	1.3	495	9	40	Clay-rich Colluvium
HX000148	MOWI43	6	7	15.15	40	31	205	25	1450	50	22	560	3	245	44	11	10	1.5	360	7	40	Channel Sediment
HX000149	MOWI43	7	8	28.17	85	9	220	20	3300	50	22	400	3	230	20	28	12.9	3.1	630	6	30	Channel Sediment
HX000150	MOWI43	8	9	11.87	30	3	230	10	910	20	17	270	2	100	8	5	6.1	1.3	270	3	20	Channel Sediment
HX000151	MOWI43	9	10	3.57	0.05	0.01	195	5	175	10	11	255	1	50	2	2.5	2.3	1.3	65	2	20	Channel Sediment
HX000152	MOWI43	10	11	4.29	0.05	22	600	0.05	160	15	34	95	2	35	6	1.5	4.7	0.9	75	3	20	Channel Sediment
HX000153	MOWI43	11	12	2.86	0.05	15	550	0.05	60	10	33	50	2	15	6	1	4.3	0.8	40	2	20	Interface
HX000154	MOWI43	12	13	3.15	0.05	8	640	0.05	50	10	35	35	2	15	8	0.5	4.9	0.8	35	2	30	Clay saprolite
HX000155	MOWI43	13	14	3.29	0.05	3	610	0.05	30	15	32	30	1	55	12	0.5	4.5	0.9	45	3	30	Clay saprolite
HX000156	MOWI43	14	15	3.15	5	14	610	0.05	55	10	32	50	0.01	10	12	0.005	4.7	1.1	55	3	30	Clay saprolite
HX000157	MOWI43	15	16	2.00	0.05	11	540	0.05	50	15	30	25	2	15	14	0.005	5.2	1.2	45	4	30	Clay saprolite
HX000158	MOWI43	16	17	2.57	0.05	3	800	0.05	55	15	36	35	1	15	20	1	5.4	1.2	50	4	40	Clay saprolite
HX000159	MOWI43	17	18	2.00	0.05	10	425	0.05	70	15	26	30	2	15	34	1	5	1.8	40	7	30	Clay saprolite
HX000160	MOWI43	18	19	2.86	0.05	7	550	0.05	65	20	29	45	2	75	16	0.5	4.6	1.4	45	7	40	Saprolite
HX000161	MOWI43	19	20	2.43	0.05	17	495	0.05	20	25	29	35	2	15	16	0.005	5.1	1.4	30	7	40	Saprolite
HX000162	MOWI43	20	21	2.72	0.05	7	560	0.05	50	20	32	35	1	25	14	0.005	5	1.4	40	8	40	Saprolite
HX000163	MOWI43	21	22	2.72	0.05	2	530	0.05	35	15	28	40	4	10	14	0.005	4.6	1.3	35	8	50	Saprolite
HX000122	MOWI44	0	1	17.16	15	18	560	30	710	80	29	1000	4	145	18	0.005	11.9	1.9	375	45	30	Clay-rich Colluvium
HX000123	MOWI44	1	2	33.03	30	46	225	20	1600	105	29	445	3	140	20	1.5	11.8	1.4	740	14	60	Clay-rich Colluvium
HX000124	MOWI44	2	3	24.16	40	102	620	20	1400	75	33	420	4	170	20	4.5	12.3	1.5	550	13	60	Gravelly Colluvium

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000125	MOWI44	3	4	19.30	25	104	720	25	1300	75	33	590	4	245	16	5.5	10.8	1.1	405	10	50	Clay-rich Colluvium
HX000126	MOWI44	4	5	16.30	25	120	365	30	1450	60	27	650	5	425	16	7.5	11.7	1.2	340	17	40	Clay-rich Colluvium
HX000127	MOWI44	5	6	17.87	25	25	345	25	1650	55	26	680	5	325	18	12.5	12	1.2	370	10	40	Clay-rich Colluvium
HX000128	MOWI44	6	7	35.31	95	74	485	20	3450	55	30	590	3	250	26	26	15.8	2.5	790	7	30	Gravelly Colluvium
HX000129	MOWI44	7	8	35.03	145	23	520	20	4000	45	30	630	2	230	24	52	14.8	2.9	790	5	40	Gravelly Colluvium
HX000130	MOWI44	8	9	6.00	15	10	345	5	495	20	19	200	2	85	26	4.5	4.9	1.3	125	3	20	Interface
HX000131	MOWI44	9	10	3.72	5	118	1000	5	240	20	42	130	3	55	80	4	5.9	1.2	60	3	30	Clay saprolite
HX000132	MOWI44	10	11	2.43	0.05	20	790	0.05	105	15	41	105	4	40	62	1.5	6.3	1.3	40	3	40	Clay saprolite
HX000133	MOWI44	11	12	1.14	0.05	12	770	0.05	40	10	37	30	4	10	26	1	5.1	1.3	35	3	30	Clay saprolite
HX000134	MOWI44	12	13	1.00	0.05	14	640	0.05	45	10	35	35	3	15	12	1	4.4	1.3	15	3	20	Clay saprolite
HX000135	MOWI44	13	14	1.43	0.05	16	780	0.05	35	10	37	20	3	10	6	3	4	1.4	10	3	20	Clay saprolite
HX000136	MOWI44	14	15	1.00	0.05	36	690	0.05	35	10	36	15	3	10	8	0.005	4.2	1.4	15	3	20	Clay saprolite
HX000137	MOWI44	15	16	1.00	0.05	12	690	0.05	40	5	36	15	2	10	4	0.005	3.8	1.3	15	3	20	Clay saprolite
HX000138	MOWI44	16	17	0.86	0.05	51	690	0.05	60	10	34	10	2	10	6	1	4.6	1.4	60	5	20	Clay saprolite
HX000139	MOWI44	17	18	0.86	0.05	5	600	0.05	60	10	30	10	2	10	6	0.005	4.6	1.5	55	5	20	Clay saprolite
HX000140	MOWI44	18	19	1.00	0.05	4	620	0.05	60	10	34	10	1	10	8	0.5	4.9	1.3	60	5	10	Clay saprolite
HX000141	MOWI44	19	20	1.00	0.05	6	580	0.05	75	15	34	10	1	10	12	0.005	5.5	1.7	65	6	20	Clay saprolite
HX000333	MOWI50	0	1	12.30	5	106	730	25	445	70	20	730	5	120	14	1	10	1.7	260	26	60	Clay-rich Colluvium
HX000334	MOWI50	1	2	27.74	20	55	790	35	870	115	22	1250	6	140	24	6	12.8	2.1	550	20	70	Clay-rich Colluvium
HX000335	MOWI50	2	3	20.02	15	120	730	30	680	115	28	550	6	195	16	4.5	11.7	1.5	460	30	60	Clay-rich Colluvium
HX000336	MOWI50	3	4	20.44	15	37	390	30	700	130	25	750	5	210	34	2	9.3	1.2	590	13	50	Clay-rich Colluvium
HX000337	MOWI50	4	5	27.59	35	66	570	25	1500	135	26	425	4	210	16	3.5	10	1.1	680	11	40	Clay-rich Colluvium
HX000338	MOWI50	5	6	24.30	20	43	540	25	1900	120	27	410	4	240	16	5.5	10.3	1.1	540	10	40	Clay-rich Colluvium
HX000339	MOWI50	6	7	5.15	0.05	74	365	15	270	50	22	275	3	170	10	2.5	5.9	0.8	120	6	40	Interface
HX000340	MOWI50	7	8	3.00	0.05	465	485	5	85	40	21	105	2	55	74	1.5	5	1.2	65	5	30	Saprolite
HX000341	MOWI51	0	1	12.72	0.05	144	510	25	420	90	22	810	6	105	24	1.5	12.5	2.2	365	16	60	Clay-rich Colluvium
HX000342	MOWI51	1	2	18.30	10	38	640	30	620	105	24	730	4	185	18	2.5	10.4	1.8	420	22	60	Clay-rich Colluvium
HX000343	MOWI51	2	3	14.87	10	45	455	25	500	105	24	640	5	150	24	2.5	10.6	1.5	345	16	60	Clay-rich Colluvium
HX000344	MOWI51	3	4	21.02	15	47	340	25	1200	120	25	580	5	195	22	4	11.7	1.1	520	12	50	Clay-rich Colluvium
HX000345	MOWI51	4	5	21.87	20	25	280	30	1750	120	24	610	4	290	12	6	10	1.1	580	9	50	Clay-rich Colluvium
HX000346	MOWI51	5	6	13.30	15	19	265	35	1050	75	22	640	6	315	20	6	11.1	1.5	290	8	40	Clay-rich Colluvium
HX000347	MOWI51	6	7	3.15	0.05	5	630	10	105	35	16	440	3	95	6	2.5	4.1	1.5	25	15	30	Interface
HX000348	MOWI51	7	8	2.29	0.05	9	740	10	60	30	22	265	3	60	8	2	4.6	1.6	60	6	20	Clay saprolite
HX000349	MOWI51	8	9	1.72	0.05	18	890	0.05	40	25	25	70	3	50	40	3	5.2	1.2	35	3	20	Clay saprolite
HX000350	MOWI51	9	10	1.72	0.05	132	560	0.05	45	20	22	60	2	35	6	2	4	1.1	75	3	20	Clay saprolite
HX000351	MOWI51	10	11	1.43	0.05	4	730	0.05	30	20	28	35	2	20	6	2	4.8	0.9	15	2	20	Clay saprolite
HX000352	MOWI51	11	12	1.43	0.05	3	770	0.05	25	15	27	40	2	15	6	2.5	4.4	0.8	245	2	20	Clay saprolite
HX000353	MOWI51	12	13	2.72	10	2	710	0.05	80	20	26	75	3	30	6	6	6.4	0.9	290	2	20	Clay saprolite
HX000354	MOWI51	13	14	1.86	0.05	3	670	0.05	40	15	27	25	3	25	4	5.5	4.9	1.1	280	2	20	Clay saprolite

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000355	MOWI51	14	15	1.00	0.05	3	610	0.05	35	15	26	20	3	15	8	3.5	4.1	1.3	245	2	10	Clay saprolite
HX000356	MOWI51	15	16	1.00	0.05	162	620	0.05	50	20	26	20	2	25	10	3.5	5.2	1.7	225	2	20	Clay saprolite
HX000357	MOWI51	16	17	0.86	0.05	100	630	0.05	30	15	26	15	3	15	8	4	4.6	1.3	5	2	20	Clay saprolite
HX000358	MOWI51	17	18	0.86	5	12	580	0.05	35	15	25	25	2	20	24	2.5	5.2	1.4	50	3	10	Clay saprolite
HX000359	MOWI51	18	19	0.86	0.05	25	520	0.05	30	10	23	25	2	10	6	2	3.8	1.1	55	3	10	Clay saprolite
HX000360	MOWI51	19	20	0.00	0.05	5	0.05	0.05	0.05	0.05	0.01	0.05	0.01	0.05	2	0.005	0.0005	0.001	30	0.01	10	Clay saprolite
HX000361	MOWI51	20	21	0.71	0.05	1	485	0.05	25	5	20	10	2	10	30	2.5	4.4	0.8	40	3	10	Clay saprolite
HX000362	MOWI51	21	22	0.86	0.05	2	570	0.05	25	10	25	10	2	10	16	3	4.6	0.8	50	3	10	Clay saprolite
HX000363	MOWI51	22	23	0.57	0.05	134	430	0.05	35	5	22	10	2	10	14	3	3.9	1	40	3	10	Clay saprolite
HX000364	MOWI51	23	24	0.71	0.05	5	480	0.05	30	15	26	10	2	10	22	3.5	4.4	1.2	50	4	0.1	Clay saprolite
HX000365	MOWI51	24	25	0.57	0.05	11	485	0.05	25	5	19	10	2	5	12	2.5	3.4	0.8	35	2	0.1	Clay saprolite
HX000366	MOWI51	25	26	0.29	0.05	15	190	0.05	45	5	6	10	0.01	10	20	2	1.1	0.2	10	0.01	0.1	Clay saprolite
HX000367	MOWI51	26	27	0.57	0.05	5	660	0.05	30	20	25	15	2	30	145	2	4.4	1.2	75	4	0.1	Clay saprolite
HX000368	MOWI51	27	28	0.57	0.05	4	610	0.05	30	10	26	10	2	0.05	12	2	4.6	1.4	35	5	0.1	Clay saprolite
HX000369	MOWI51	28	29	0.71	0.05	3	570	0.05	30	5	26	5	2	5	14	2.5	5.4	1.8	45	7	0.1	Clay saprolite
HX000370	MOWI51	29	30	0.57	0.05	3	420	0.05	15	10	27	10	2	5	10	3	5.2	1.7	30	6	10	Clay saprolite
HX000371	MOWI51	30	31	0.71	0.05	4	510	0.05	10	10	27	10	2	5	10	1.5	4.5	1.4	50	6	0.1	Clay saprolite
HX000372	MOWI51	31	32	0.71	10	96	380	0.05	10	5	21	10	2	5	40	2	4.4	1.2	40	5	0.1	Clay saprolite
HX000373	MOWI51	32	33	0.57	0.05	37	365	0.05	10	10	23	5	2	0.05	6	2	4.1	1.2	30	4	0.1	Clay saprolite
HX000374	MOWI51	33	34	0.71	0.05	17	465	0.05	10	10	25	10	2	10	60	2	4.4	0.9	45	5	20	Clay saprolite
HX000375	MOWI51	34	35	0.86	0.05	6	420	0.05	15	10	22	15	2	10	44	4.5	4.7	0.9	50	4	0.1	Clay saprolite
HX000376	MOWI51	35	36	2.14	0.05	7	415	0.05	15	25	22	35	1	20	14	5.5	4	1.2	60	3	20	Clay saprolite
HX000295	MOWI52	0	1	17.73	25	46	610	30	620	105	24	840	5	160	14	3.5	9.9	1.8	395	22	60	Clay-rich Colluvium
HX000296	MOWI52	1	2	22.73	25	68	370	30	1000	170	25	445	4	315	22	2.5	7.5	1.4	520	12	50	Clay-rich Colluvium
HX000297	MOWI52	2	3	23.59	25	72	395	20	1550	105	27	385	4	255	18	12	10.3	1.2	530	8	50	Clay-rich Colluvium
HX000298	MOWI52	3	4	16.73	30	83	270	35	1650	75	22	580	5	405	14	10	9.6	1.3	310	7	40	Clay-rich Colluvium
HX000299	MOWI52	4	5	9.15	25	4	185	25	650	40	12	500	3	255	12	11.5	6	1.4	95	10	20	Channel Sediment
HX000300	MOWI52	5	6	4.43	10	1	150	15	260	25	6	335	2	145	6	4.5	3.4	1.1	30	4	20	Channel Sediment
HX000301	MOWI52	6	7	11.29	25	4	165	25	980	35	12	360	3	255	8	13	5.9	1.6	230	5	20	Channel Sediment
HX000302	MOWI52	7	8	8.44	30	4	160	35	630	40	14	430	5	295	8	4	7.5	1.7	180	6	20	Channel Sediment
HX000303	MOWI52	8	9	9.01	30	6	160	25	710	35	13	315	3	240	10	7.5	7.4	1.5	170	5	20	Channel Sediment
HX000304	MOWI52	9	10	29.74	105	5	325	20	2650	35	20	440	4	260	16	68	11.2	2.4	590	4	20	Channel Sediment
HX000305	MOWI52	10	11	4.43	15	19	410	10	330	30	24	100	2	215	16	9	5.3	1	40	3	30	Interface
HX000306	MOWI52	11	12	1.72	10	5	485	0.05	85	15	25	25	3	35	26	4	3.8	1.4	185	3	0.1	Clay saprolite
HX000307	MOWI52	12	13	1.00	0.05	3	520	0.05	45	20	27	20	2	50	54	3	3.4	1.1	205	3	10	Clay saprolite
HX000308	MOWI52	13	14	1.00	5	0.01	660	0.05	40	10	32	15	2	25	4	3	3.1	1	245	3	0.1	Clay saprolite
HX000309	MOWI52	14	15	0.86	10	1	880	0.05	30	10	29	10	3	15	10	4	3.9	1.2	210	4	20	Clay saprolite
HX000310	MOWI52	15	16	1.00	0.05	1	840	0.05	35	15	31	10	2	20	10	4.5	3.8	1.1	270	3	10	Clay saprolite
HX000311	MOWI52	16	17	1.00	5	0.01	730	0.05	40	15	29	10	2	25	22	4	4	1	280	4	10	Clay saprolite

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000312	MOWI52	17	18	1.00	5	1	730	0.05	35	30	27	10	2	25	14	3	3.6	0.9	250	3	10	Clay saprolite
HX000313	MOWI52	18	19	1.00	10	1	770	0.05	40	15	32	10	2	20	16	3	4.1	1.2	270	3	10	Clay saprolite
HX000314	MOWI52	19	20	1.00	10	0.01	760	0.05	25	15	28	5	3	20	10	6.5	4.9	1.1	175	4	10	Clay saprolite
HX000315	MOWI52	20	21	1.00	10	1	750	0.05	20	15	26	10	2	30	16	5	5.3	1.3	220	4	0.1	Clay saprolite
HX000316	MOWI52	21	22	1.00	10	1	720	0.05	25	15	28	5	2	30	10	5	6.3	1.5	245	4	10	Clay saprolite
HX000317	MOWI52	22	23	1.00	5	0.01	700	0.05	30	15	29	10	3	25	10	6.5	6.5	1.4	230	5	10	Clay saprolite
HX000318	MOWI52	23	24	1.29	10	0.01	640	5	35	20	26	25	2	65	12	3.5	5.8	1.3	230	4	20	Clay saprolite
HX000319	MOWI52	24	25	1.00	0.05	2	580	10	50	15	23	10	2	90	24	3	6.5	1.5	200	4	20	Clay saprolite
HX000320	MOWI52	25	26	1.00	0.05	0.01	710	0.05	30	10	27	10	2	45	38	5	8.6	1.5	215	6	10	Mottled Zone
HX000321	MOWI52	26	27	0.71	10	0.01	580	0.05	30	10	27	5	2	15	8	3	6.5	1.4	240	5	10	Mottled Zone
HX000322	MOWI52	27	28	1.00	0.05	0.01	660	0.05	25	10	28	10	2	20	18	3	6	1.3	10	5	20	Saprolite
HX000323	MOWI52	28	29	1.00	0.05	1	680	0.05	40	35	30	15	3	35	82	5	6.8	1.7	15	5	10	Saprolite
HX000324	MOWI52	29	30	1.00	0.05	0.01	650	0.05	25	15	27	10	3	30	14	3.5	7	1.7	225	6	20	Saprolite
HX000325	MOWI52	30	31	1.00	0.05	1	720	0.05	30	20	31	10	2	15	48	2.5	5.7	1.4	265	4	10	Saprolite
HX000326	MOWI52	31	32	1.43	0.05	6	670	0.05	20	20	28	10	2	15	30	3	6.1	1.4	240	4	30	Saprolite
HX000327	MOWI52	32	33	1.29	0.05	2	550	0.05	20	20	23	10	5	10	26	2	5.2	1.3	215	4	30	Saprolite
HX000328	MOWI52	33	34	1.43	0.05	1	570	0.05	25	30	25	20	2	20	60	3	5.8	1.2	270	4	20	Saprolite
HX000329	MOWI52	34	35	2.86	0.05	5	570	10	20	40	25	65	2	45	36	2.5	4.5	1.3	55	4	40	Saprolite
HX000330	MOWI52	35	36	3.43	0.05	1	495	0.05	20	25	21	35	1	25	12	2	4.7	1.6	30	5	40	Saprolite
HX000331	MOWI52	36	37	5.58	0.05	8	730	10	50	45	22	100	1	65	40	2	6.1	2.6	100	6	60	Saprolite
HX000332	MOWI52	37	38	5.86	0.05	3300	780	15	80	50	23	65	3	110	44	5	6	2	130	7	90	Saprolite
HX000275	MOWI53	0	1	20.44	20	42	700	35	620	105	23	1000	5	155	26	2	11.5	1.9	360	21	60	Clay-rich Colluvium
HX000276	MOWI53	1	2	24.16	30	40	450	30	780	145	27	550	5	205	18	3	10.6	1.1	590	15	30	Clay-rich Colluvium
HX000277	MOWI53	2	3	34.17	60	37	520	20	1750	110	28	455	4	215	22	14.5	13.5	1.4	910	9	60	Clay-rich Colluvium
HX000278	MOWI53	3	4	26.45	45	66	550	25	1700	100	26	410	4	330	20	18	11.1	1.2	610	10	50	Clay-rich Colluvium
HX000279	MOWI53	4	5	12.58	30	49	210	25	840	80	22	550	6	435	12	10.5	10.4	1.1	175	10	40	Clay-rich Colluvium
HX000280	MOWI53	5	6	24.16	60	30	230	25	2200	80	23	450	4	325	20	37	12.4	1.5	580	7	40	Clay-rich Colluvium
HX000281	MOWI53	6	7	27.16	70	16	410	25	2800	65	26	450	4	325	22	38	14.4	1.7	680	6	40	Clay-rich Colluvium
HX000282	MOWI53	7	8	11.72	40	15	330	20	920	60	22	485	6	205	18	22	12.3	1.4	300	5	40	Channel Sediment
HX000283	MOWI53	8	9	3.86	10	73	420	10	130	30	18	380	2	105	14	3	4.8	2	90	5	30	Channel Sediment
HX000284	MOWI53	9	10	1.86	10	11	820	0.05	50	15	26	30	2	30	28	4.5	4.8	0.9	0.05	4	20	Interface
HX000285	MOWI53	10	11	1.14	5	2	640	0.05	30	15	26	20	2	15	12	2	4.9	0.9	205	5	20	Clay saprolite
HX000286	MOWI53	11	12	0.86	10	1	500	0.05	35	10	21	15	2	15	12	2.5	4.6	1.1	210	5	0.1	Clay saprolite
HX000287	MOWI53	12	13	1.00	5	6	500	0.05	25	15	21	20	2	15	56	2	6.3	1.8	175	7	20	Clay saprolite
HX000288	MOWI53	13	14	1.00	10	3	530	0.05	35	15	23	20	2	20	22	2.5	4.2	1	175	5	30	Saprolite
HX000289	MOWI53	14	15	2.72	10	1	510	0.05	50	40	23	30	2	25	24	5.5	6.5	1.7	210	6	30	Saprolite
HX000290	MOWI53	15	16	1.57	10	1	530	0.05	30	25	25	20	2	20	44	3.5	8.6	2.2	210	10	30	Saprolite
HX000291	MOWI53	16	17	0.57	5	3	420	0.05	25	10	20	15	2	10	20	2	4.2	0.9	195	5	0.1	Saprolite
HX000292	MOWI53	17	18	1.57	10	2	425	0.05	35	25	18	20	2	15	34	4	6	1.2	240	8	30	Saprolite

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000293	MOWI53	18	19	0.86	0.05	63	500	0.05	35	10	21	15	2	15	32	2	4.5	1.6	265	6	10	Saprolite
HX000294	MOWI53	19	20	0.86	5	18	540	0.05	25	10	18	25	1	15	38	4	4.4	1.9	175	5	20	Saprolite
HX000248	MOWI54	0	1	19.59	15	26	570	30	750	95	25	1100	6	150	28	4	13.1	2.5	475	27	70	Clay-rich Colluvium
HX000249	MOWI54	1	2	20.02	20	46	690	25	860	120	24	430	5	190	16	4	11.6	1.7	485	29	70	Clay-rich Colluvium
HX000250	MOWI54	2	3	33.60	65	69	475	25	1750	110	32	550	6	180	24	30	12	1.6	1000	12	60	Clay-rich Colluvium
HX000251	MOWI54	3	4	30.17	45	49	770	30	2450	90	27	620	5	295	58	26	14.2	1.5	530	37	50	Clay-rich Colluvium
HX000252	MOWI54	4	5	22.73	35	63	375	35	1900	75	25	650	5	380	18	21	12.7	1.2	465	13	40	Clay-rich Colluvium
HX000253	MOWI54	5	6	26.74	60	50	315	25	2450	80	26	630	5	310	22	43	15.3	1.5	660	10	30	Clay-rich Colluvium
HX000254	MOWI54	6	7	15.44	35	100	385	25	1250	60	20	720	5	255	16	23	9.4	1.4	385	5	30	Channel Sediment
HX000255	MOWI54	7	8	15.30	55	53	250	25	1350	40	20	530	4	200	20	34	7.7	1.3	295	4	30	Channel Sediment
HX000256	MOWI54	8	9	3.29	10	58	520	5	130	15	23	110	3	50	18	2	4	0.9	250	3	20	Interface
HX000257	MOWI54	9	10	3.43	15	20	650	0.05	100	15	24	90	3	30	8	1.5	3.7	0.9	255	2	20	Saprolite
HX000258	MOWI54	10	11	2.00	5	41	710	0.05	40	10	27	85	3	25	6	0.005	2.8	1	180	2	20	Clay saprolite
HX000259	MOWI54	11	12	1.72	5	44	630	0.05	45	10	23	65	3	25	12	0.5	3.2	1.1	150	2	20	Clay saprolite
HX000260	MOWI54	12	13	1.72	15	3	400	0.05	35	10	15	55	3	40	8	0.5	2.2	1	185	2	20	Clay saprolite
HX000261	MOWI54	13	14	1.43	10	3	600	0.05	40	15	25	60	3	25	10	0.005	3.1	0.9	185	2	10	Clay saprolite
HX000262	MOWI54	14	15	1.29	0.05	12	600	0.05	30	10	22	50	3	25	12	0.5	2.3	1.1	205	2	20	Clay saprolite
HX000263	MOWI54	15	16	1.14	0.05	51	730	0.05	20	10	25	50	4	15	12	1	2.6	1.1	175	3	20	Clay saprolite
HX000264	MOWI54	16	17	1.14	5	15	740	0.05	25	5	25	35	3	10	8	0.5	3.1	1.1	190	2	20	Clay saprolite
HX000265	MOWI54	17	18	1.00	0.05	4	650	0.05	35	10	25	25	3	10	40	0.005	2.5	1.2	210	3	20	Clay saprolite
HX000266	MOWI54	18	19	1.57	5	3	780	0.05	25	10	26	30	3	10	28	1	3.4	1.2	225	2	30	Clay saprolite
HX000267	MOWI54	19	20	1.00	0.05	2	800	0.05	10	5	24	25	3	10	34	0.005	3.2	1.3	165	3	30	Clay saprolite
HX000268	MOWI54	20	21	1.00	0.05	0.01	690	0.05	15	5	22	35	3	10	18	0.5	3.5	1.2	180	4	30	Clay saprolite
HX000269	MOWI54	21	22	1.14	10	4	660	0.05	20	10	24	30	3	35	42	0.5	3.7	1.2	195	3	30	Clay saprolite
HX000270	MOWI54	22	23	0.86	10	0.01	660	0.05	15	5	22	35	3	5	14	0.5	3.7	1.2	150	3	30	Clay saprolite
HX000271	MOWI54	23	24	1.00	10	0.01	680	0.05	25	10	24	35	3	15	22	0.005	4.2	1.2	195	4	30	Clay saprolite
HX000272	MOWI54	24	25	1.00	5	1	750	0.05	20	20	24	45	3	55	78	1	3.5	1.1	170	4	30	Clay saprolite
HX000273	MOWI54	25	26	1.00	0.05	5	650	0.05	20	10	26	45	3	15	16	1	3.5	1.3	230	4	30	Clay saprolite
HX000274	MOWI54	26	27	1.00	10	2	710	0.05	20	10	24	45	3	15	14	0.5	3.1	1.4	200	4	30	Clay saprolite
HX000497	MOWI62	0	1	14.30	10	7	495	30	630	70	20	890	2	95	20	0.005	11.2	2.3	265	19	60	Clay-rich Colluvium
HX000498	MOWI62	1	2	18.16	15	27	510	20	720	90	20	590	7	115	16	1	9.5	1.6	425	17	60	Clay-rich Colluvium
HX000499	MOWI62	2	3	24.02	25	32	490	25	1100	85	24	530	4	140	16	1	10.3	1.6	590	25	60	Clay-rich Colluvium
HX000500	MOWI62	3	4	23.73	30	63	315	25	1300	120	24	455	4	160	12	1	8.7	1.5	610	11	50	Clay-rich Colluvium
HX000551	MOWI62	4	5	27.74	15	58	440	25	1850	105	25	520	1	170	14	0.005	9.4	1.2	550	9	50	Clay-rich Colluvium
HX000552	MOWI62	5	6	18.87	15	48	415	25	1400	80	21	475	2	235	14	1	8.6	1.2	380	10	50	Clay-rich Colluvium
HX000553	MOWI62	6	7	4.29	10	28	550	10	210	25	23	190	3	115	14	1	6.5	1.3	100	5	30	Interface
HX000554	MOWI62	7	8	3.15	5	4	620	10	140	45	24	170	3	140	480	1	5.3	1.4	80	4	30	Clay saprolite
HX000555	MOWI62	8	9	2.57	10	5	1000	10	90	20	25	175	3	50	10	0.5	5.3	1.2	75	4	20	Clay saprolite
HX000556	MOWI62	9	10	2.14	0.05	5	670	0.05	60	40	24	90	3	55	200	0.5	5	1.2	55	4	20	Clay saprolite

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000557	MOWI62	10	11	1.43	0.05	3	510	0.05	35	15	25	25	3	15	8	0.5	4.8	1.1	60	4	20	Clay saprolite
HX000558	MOWI62	11	12	2.43	10	7	630	0.05	55	20	24	70	2	40	34	1	4.8	1.1	70	4	30	Clay saprolite
HX000559	MOWI62	12	13	2.14	10	0.01	660	0.05	20	20	25	15	2	5	14	1	5.8	1.2	55	4	20	Clay saprolite
HX000560	MOWI62	13	14	1.86	0.05	2	690	0.05	20	25	24	35	2	55	365	0.005	5.4	1.2	45	4	30	Clay saprolite
HX000561	MOWI62	14	15	2.00	5	0.01	640	0.05	25	20	25	20	2	25	62	0.5	5	1	55	4	20	Clay saprolite
HX000562	MOWI62	15	16	2.29	10	0.01	680	0.05	25	15	24	15	1	15	14	0.005	5.9	1.1	50	4	20	Clay saprolite
HX000563	MOWI62	16	17	1.72	0.05	2	630	0.05	30	10	23	25	2	10	12	0.5	5.7	1.1	50	4	20	Clay saprolite
HX000564	MOWI62	17	18	1.72	5	3	640	0.05	40	10	23	25	2	15	16	0.5	4.8	1.2	45	5	20	Clay saprolite
HX000565	MOWI62	18	19	1.57	5	0.01	700	0.05	10	15	22	15	2	10	26	0.5	5.2	1.2	35	14	20	Clay saprolite
HX000566	MOWI62	19	20	1.43	0.05	0.01	790	0.05	15	15	22	15	2	10	20	0.005	5	1.4	35	19	20	Clay saprolite
HX000567	MOWI63	0	1	20.44	20	7	220	15	870	75	19	280	5	70	16	1	13.9	2.7	395	9	50	Clay-rich Colluvium
HX000568	MOWI63	1	2	20.59	25	12	830	15	740	75	21	580	5	80	32	1	15.4	2.5	410	10	60	Clay-rich Colluvium
HX000569	MOWI63	2	3	16.87	15	59	425	20	600	75	23	340	4	105	18	0.005	11.8	1.8	380	12	70	Clay-rich Colluvium
HX000570	MOWI63	3	4	21.02	15	34	265	25	1100	90	22	290	3	175	195	0.005	9.4	1.4	440	14	70	Clay-rich Colluvium
HX000571	MOWI63	4	5	17.44	20	13	295	25	900	95	22	305	1	170	14	0.005	9.1	1.1	360	14	60	Clay-rich Colluvium
HX000572	MOWI63	5	6	19.59	20	20	375	25	1850	70	21	610	3	275	16	1.5	9.1	1.5	425	12	50	Interface
HX000573	MOWI63	6	7	5.43	10	45	335	15	300	40	24	420	4	145	14	1	6.9	1.5	110	8	40	Clay saprolite
HX000574	MOWI63	7	8	2.29	5	7	180	5	145	20	23	180	3	65	18	0.005	4.6	1.6	55	5	30	Clay saprolite
HX000575	MOWI63	8	9	2.00	10	16	195	5	65	20	24	125	3	55	210	0.005	5.2	1.7	50	5	20	Clay saprolite
HX000576	MOWI63	9	10	1.14	10	0.01	155	0.05	30	20	27	50	3	50	290	0.5	4.4	1.5	30	3	30	Clay saprolite
HX000577	MOWI63	10	11	0.86	0.05	0.01	195	0.05	25	10	26	25	3	20	18	0.005	4.2	1.5	20	3	20	Clay saprolite
HX000578	MOWI63	11	12	0.86	10	0.01	160	0.05	20	40	25	30	3	10	8	0.005	4.2	1.5	25	3	20	Clay saprolite
HX000579	MOWI63	12	13	0.86	0.05	12	195	0.05	30	5	26	40	3	20	10	0.005	4.1	1.6	25	4	20	Clay saprolite
HX000580	MOWI63	13	14	0.71	0.05	77	95	0.05	20	5	25	20	3	20	10	0.005	3.1	1	15	4	20	Clay saprolite
HX000581	MOWI63	14	15	0.57	0.05	2	100	0.05	10	15	27	15	2	15	22	0.005	4.9	1.3	15	7	20	Clay saprolite
HX000582	MOWI63	15	16	0.57	0.05	2	175	0.05	10	15	32	15	2	15	28	0.005	5.4	1.6	30	10	20	Clay saprolite
HX000583	MOWI63	16	17	0.57	0.05	0.01	295	0.05	20	20	29	50	2	20	34	0.005	5.6	1.7	20	12	20	Clay saprolite
HX000584	MOWI63	17	18	0.86	5	9	445	5	20	10	27	130	2	15	40	0.005	6.3	2.4	30	21	20	Clay saprolite
HX000585	MOWI63	18	19	0.57	0.05	0.01	730	0.05	15	10	27	15	2	15	26	0.005	5	2.2	10	21	10	Clay saprolite
HX000586	MOWI63	19	20	0.71	5	0.01	610	10	10	5	29	175	3	15	38	0.005	7.2	3	25	29	20	Clay saprolite
HX000587	MOWI63	20	21	0.57	0.05	11	990	0.05	15	10	27	10	2	20	26	0.005	5.4	1.9	10	16	20	Clay saprolite
HX000588	MOWI63	21	22	0.71	0.05	0.01	980	5	20	0.05	25	40	2	20	22	0.005	4.8	1.5	20	10	20	Clay saprolite
HX000589	MOWI63	22	23	0.57	0.05	0.01	860	5	15	5	24	40	2	30	20	0.005	4.5	1.5	0.05	12	20	Clay saprolite
HX000590	MOWI63	23	24	0.86	0.05	11	1050	0.05	20	20	26	15	2	55	18	0.005	4.4	1.4	10	9	20	Clay saprolite
HX000591	MOWI63	24	25	1.00	5	5	620	0.05	25	5	26	40	2	40	18	0.005	5.3	1.7	20	13	40	Clay saprolite
HX000592	MOWI63	25	26	5.00	25	19	410	20	320	15	22	80	0.01	170	24	0.005	3.8	1.5	80	6	70	Clay saprolite
HX000593	MOWI63	26	27	6.58	40	0.01	1400	20	135	30	24	70	2	205	32	0.005	7.9	2.7	110	14	160	Clay saprolite
HX000594	MOWI63	27	28	5.86	35	0.01	1650	25	105	20	23	320	2	185	54	0.005	7.9	2.4	80	15	120	Clay saprolite
HX000595	MOWI63	28	29	9.44	65	0.01	345	25	405	20	20	145	0.01	315	46	0.5	5.6	2.9	165	21	120	Clay saprolite

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SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000596	MOWI64	0	1	7.01	30	8	490	20	290	35	22	195	2	215	125	0.5	7.4	2.3	160	12	90	Clay-rich Colluvium
HX000597	MOWI64	1	2	17.73	20	46	440	25	680	90	23	375	3	115	18	0.5	9.1	1.3	490	20	60	Clay-rich Colluvium
HX000598	MOWI64	2	3	23.02	20	55	445	25	860	105	25	370	3	140	22	1	13.7	1.1	610	14	60	Clay-rich Colluvium
HX000599	MOWI64	3	4	18.73	15	76	260	30	970	110	27	740	3	200	62	0.005	10.7	1.3	500	19	60	Clay-rich Colluvium
HX000600	MOWI64	4	5	22.73	30	64	235	25	1350	90	23	435	3	210	20	3.5	10.8	1.2	590	15	60	Gravelly Colluvium
HX000501	MOWI64	5	6	13.15	20	36	225	35	1500	45	20	470	5	370	14	6	10.8	1.3	290	9	40	Clay-rich Colluvium
HX000502	MOWI64	6	7	10.44	15	15	210	30	1200	40	17	500	4	300	16	2	9.1	1	250	7	30	Clay-rich Colluvium
HX000503	MOWI64	7	8	4.43	10	5	145	15	325	25	13	240	3	130	8	2.5	5.2	1.1	90	11	30	Interface
HX000504	MOWI64	8	9	3.29	0.05	5	2000	10	215	15	22	135	4	100	20	1	5.7	1.4	70	3	20	Clay saprolite
HX000505	MOWI64	9	10	2.57	5	20	480	5	125	10	24	100	3	80	24	1	5.1	1	90	3	30	Clay saprolite
HX000506	MOWI64	10	11	2.14	5	7	430	5	80	10	26	200	3	65	22	0.5	5.3	1.1	85	3	30	Clay saprolite
HX000507	MOWI64	11	12	1.43	0.05	51	455	0.05	55	10	26	70	3	50	20	0.005	4.3	1.1	35	2	20	Clay saprolite
HX000508	MOWI64	12	13	2.29	10	8	510	0.05	60	10	27	130	3	30	12	0.5	5	1.2	95	2	20	Clay saprolite
HX000509	MOWI64	13	14	1.29	0.05	2	330	0.05	45	10	27	50	3	35	16	0.005	4.7	1.1	40	2	20	Clay saprolite
HX000510	MOWI64	14	15	2.72	10	14	410	0.05	55	15	27	130	3	25	18	0.5	6.9	1.2	75	2	20	Clay saprolite
HX000511	MOWI64	15	16	2.43	10	2	430	0.05	30	10	25	70	3	20	22	0.005	6	1.3	45	2	20	Clay saprolite
HX000512	MOWI64	16	17	1.29	0.05	0.01	320	0.05	20	0.05	25	35	3	15	26	0.005	4.2	1.4	20	2	20	Clay saprolite
HX000513	MOWI64	17	18	1.86	0.05	14	310	0.05	30	5	25	40	3	20	26	0.005	5.2	1.3	35	2	20	Clay saprolite
HX000514	MOWI64	18	19	1.00	0.05	0.01	240	0.05	35	5	24	25	2	20	40	0.005	4.4	1.4	20	4	20	Clay saprolite
HX000515	MOWI64	19	20	0.57	0.05	0.01	305	0.05	15	5	27	20	2	15	18	0.005	4.8	1.4	35	4	10	Clay saprolite
HX000516	MOWI65	0	1	21.16	15	74	710	25	980	85	23	1050	4	125	20	1	13.2	2.1	500	27	80	Clay-rich Colluvium
HX000517	MOWI65	1	2	14.30	15	27	560	25	610	85	21	680	5	150	12	1	8.7	1.3	380	19	70	Clay-rich Colluvium
HX000518	MOWI65	2	3	20.44	20	64	330	25	1200	115	25	465	4	170	28	1.5	9.8	1.2	570	12	60	Clay-rich Colluvium
HX000519	MOWI65	3	4	14.15	10	43	225	25	890	95	22	550	7	210	18	1	8.6	0.9	390	11	60	Clay-rich Colluvium
HX000520	MOWI65	4	5	25.16	40	24	380	30	2450	85	25	580	4	275	16	8.5	11.2	1	640	9	50	Clay-rich Colluvium
HX000521	MOWI65	5	6	14.87	25	96	260	25	1850	45	19	425	4	340	22	8.5	10.8	1	370	8	40	Clay-rich Colluvium
HX000522	MOWI65	6	7	7.43	15	8	125	20	850	30	11	320	3	195	8	2.5	6	1.1	200	14	20	Channel Sediment
HX000523	MOWI65	7	8	8.58	15	10	195	20	890	25	11	320	3	180	12	3.5	6.1	1.5	220	8	20	Channel Sediment
HX000524	MOWI65	8	9	3.72	0.05	2	105	5	350	15	11	205	2	95	6	0.005	4.9	1.4	100	4	20	Channel Sediment
HX000525	MOWI65	9	10	3.00	0.05	30	40	5	250	20	20	105	1	90	2	0.005	7.1	1.7	90	6	20	Channel Sediment
HX000526	MOWI65	10	11	1.86	0.05	53	45	0.05	195	10	24	75	1	45	14	0.5	9	1.5	105	8	10	Interface
HX000527	MOWI65	11	12	1.57	0.05	17	45	5	245	15	24	55	1	55	4	0.5	7.1	1.3	95	6	30	Clay saprolite
HX000528	MOWI65	12	13	1.43	0.05	10	30	5	210	10	28	90	2	55	6	1.5	11.9	3.4	105	9	20	Clay saprolite
HX000529	MOWI65	13	14	1.57	0.05	18	50	5	275	15	26	80	2	65	4	0.5	9.6	2.5	95	7	20	Clay saprolite
HX000530	MOWI65	14	15	2.00	0.05	18	25	10	245	10	25	45	4	75	6	2	8.7	2.1	135	8	30	Clay saprolite
HX000531	MOWI66	0	1	10.87	10	9	465	20	590	65	20	780	4	110	14	1	11.3	1.9	270	20	80	Clay-rich Colluvium
HX000532	MOWI66	1	2	16.30	15	46	445	25	760	95	22	860	5	135	18	1	9.9	1.5	440	14	80	Clay-rich Colluvium
HX000533	MOWI66	2	3	23.02	20	41	390	25	1250	110	25	570	3	160	10	2	8.8	1	620	11	50	Clay-rich Colluvium
HX000534	MOWI66	3	4	24.59	35	47	540	25	2700	75	24	500	3	250	18	1	11.9	1.5	600	8	50	Gravelly Colluvium

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SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000535	MOWI66	4	5	7.58	10	246	140	35	710	55	21	500	3	405	8	1	8.9	1	220	11	50	Clay-rich Colluvium
HX000536	MOWI66	5	6	18.73	45	44	260	25	2250	55	21	480	3	300	88	6.5	11.8	1.4	500	9	30	Gravelly Colluvium
HX000537	MOWI66	6	7	8.44	20	21	200	20	920	40	17	315	4	205	10	6	7.7	0.7	250	5	40	Clay-rich Colluvium
HX000538	MOWI66	7	8	14.44	40	44	175	25	1800	40	20	420	4	220	20	13	10.5	1.8	410	4	30	Clay-rich Colluvium
HX000539	MOWI66	8	9	17.59	65	7	240	10	2150	25	17	355	2	145	14	18	8.6	1.8	540	2	20	Interface
HX000540	MOWI66	9	10	2.14	0.05	0.01	320	5	185	10	16	110	2	40	8	3	3.1	1.1	70	2	20	Clay saprolite
HX000541	MOWI66	10	11	1.29	0.05	7	610	0.05	80	5	25	45	2	25	6	2	3.8	0.9	65	3	30	Clay saprolite
HX000542	MOWI66	11	12	1.00	0.05	4	580	0.05	50	10	26	25	2	20	16	1.5	3.8	1	60	3	20	Clay saprolite
HX000543	MOWI66	12	13	0.86	0.05	5	610	0.05	45	0.05	26	15	2	10	2	1.5	4.3	0.8	50	3	20	Clay saprolite
HX000544	MOWI66	13	14	0.71	0.05	2	640	0.05	60	0.05	26	15	1	10	4	1	6.3	1.5	50	4	20	Clay saprolite
HX000545	MOWI66	14	15	0.71	0.05	0.01	730	0.05	45	0.05	27	10	2	45	4	1	4.2	0.9	45	4	20	Clay saprolite
HX000546	MOWI66	15	16	0.71	0.05	2	690	0.05	35	5	25	10	2	50	4	1.5	3.8	0.9	55	4	40	Clay saprolite
HX000547	MOWI66	16	17	0.86	5	2	760	0.05	35	15	26	10	3	55	6	1	3.4	0.9	45	4	20	Clay saprolite
HX000548	MOWI66	17	18	0.86	0.05	4	710	0.05	35	5	24	5	2	20	6	1.5	3.6	1.3	40	5	20	Clay saprolite
HX000549	MOWI66	18	19	0.86	5	5	770	0.05	30	0.05	24	5	2	10	10	1.5	4.5	1.5	45	5	20	Clay saprolite
HX000550	MOWI66	19	20	0.86	0.05	4	790	0.05	35	0.05	25	5	0.01	15	16	0.005	5.2	1.7	25	6	30	Clay saprolite
HX000601	MOWI67	0	1	22.16	25	51	690	25	860	95	22	820	5	130	20	1	11.5	1.8	460	27	60	Clay-rich Colluvium
HX000602	MOWI67	1	2	23.02	25	35	290	20	1000	100	23	460	3	150	20	1	10.9	1.4	485	13	60	Clay-rich Colluvium
HX000603	MOWI67	2	3	27.74	25	126	530	30	1150	115	23	670	4	150	18	1	9.7	1.4	620	14	60	Gravelly Colluvium
HX000604	MOWI67	3	4	20.16	25	122	730	25	1600	80	22	495	4	240	20	3.5	10.7	1.1	415	11	50	Clay-rich Colluvium
HX000605	MOWI67	4	5	13.15	20	37	230	30	1050	65	22	550	5	355	18	4	9.6	1	265	10	40	Clay-rich Colluvium
HX000606	MOWI67	5	6	24.45	55	84	280	25	2050	60	21	510	4	255	20	9.5	12	1.3	520	9	40	Clay-rich Colluvium
HX000607	MOWI67	6	7	27.02	55	17	330	20	2650	50	20	455	2	215	50	14.5	13.6	1.4	590	6	30	Channel Sediment
HX000608	MOWI67	7	8	12.87	25	27	235	25	1400	45	19	415	3	215	16	3.5	10.9	1.5	290	5	30	Channel Sediment
HX000609	MOWI67	8	9	11.58	15	8	260	10	790	35	11	415	3	110	8	4.5	5.9	1.8	270	5	20	Channel Sediment
HX000610	MOWI67	9	10	3.57	5	12	470	10	240	20	15	325	2	80	6	1.5	4.7	1.5	95	4	20	Interface
HX000611	MOWI67	10	11	2.72	0.05	8	680	5	170	15	23	100	2	65	10	1.5	5.8	1.4	115	5	20	Clay saprolite
HX000612	MOWI67	11	12	2.00	0.05	6	590	0.05	110	15	23	45	2	35	10	1	5.9	1.2	70	4	20	Clay saprolite
HX000613	MOWI67	12	13	2.00	0.05	14	550	0.05	100	15	22	25	2	25	8	1	6.3	1.2	65	4	20	Clay saprolite
HX000614	MOWI67	13	14	2.14	0.05	12	580	0.05	120	15	23	25	2	60	10	1	6.6	1.2	80	4	20	Clay saprolite
HX000615	MOWI67	14	15	3.86	5	16	560	5	125	20	24	30	2	45	26	1.5	6	1.1	95	4	40	Clay saprolite
HX000616	MOWI67	15	16	4.86	10	47	520	10	100	20	21	55	1	75	12	0.5	6.4	1.1	90	4	40	Clay saprolite
HX000617	MOWI68	0	1	22.02	25	29	455	20	830	105	21	500	3	130	16	1.5	10.7	1.9	450	29	50	Clay-rich Colluvium
HX000618	MOWI68	1	2	22.59	15	87	360	25	1000	100	22	600	1	155	16	1	10.1	1.2	430	14	50	Clay-rich Colluvium
HX000619	MOWI68	2	3	22.59	35	55	570	25	1250	90	24	500	4	180	16	3.5	10.9	1.2	495	11	50	Clay-rich Colluvium
HX000620	MOWI68	3	4	28.31	40	108	680	25	2250	80	25	485	4	215	20	6.5	13.6	1.3	600	9	40	Gravelly Colluvium
HX000621	MOWI68	4	5	11.15	15	62	245	35	710	70	23	730	5	285	12	4	10.3	1	235	9	50	Gravelly Colluvium
HX000622	MOWI68	5	6	13.15	25	122	195	30	1050	60	20	445	4	285	12	4	8.9	1	295	11	30	Clay-rich Colluvium
HX000623	MOWI68	6	7	26.31	70	60	325	25	3250	40	18	410	3	270	22	15	11.8	1.7	560	8	20	Gravelly Colluvium

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000624	MOWI68	7	8	1.86	0.05	3	105	5	90	15	5	125	0.01	55	6	0.5	1.65	1	40	8	10	Interface
HX000625	MOWI68	8	9	4.43	5	15	550	10	220	20	21	60	1	75	10	0.5	5.7	1.4	110	5	20	Clay saprolite
HX000626	MOWI68	9	10	2.57	0.05	7	580	5	115	15	21	25	1	50	10	0.005	4.3	1.1	65	4	20	Clay saprolite
HX000627	MOWI68	10	11	2.72	0.05	0.01	590	0.05	55	15	19	25	1	35	14	0.005	4.6	1.1	55	4	20	Clay saprolite
HX000628	MOWI68	11	12	2.57	0.05	2	570	5	35	15	19	20	1	25	12	0.005	4.8	1	50	3	20	Clay saprolite
HX000629	MOWI68	12	13	3.00	0.05	8	550	5	90	20	19	25	1	45	12	0.005	5.6	1.2	70	5	20	Clay saprolite
HX000630	MOWI68	13	14	4.00	5	11	600	5	145	25	18	30	2	55	10	0.5	6.1	1.2	95	6	20	Clay saprolite
HX000631	MOWI68	14	15	4.29	0.05	37	530	10	105	25	16	50	0.01	70	14	0.005	5	1.2	100	6	10	Clay saprolite
HX000632	MOWI68	15	16	4.43	5	9	550	10	120	25	17	35	0.01	70	20	0.005	5	1.7	105	6	20	Clay saprolite
HX000633	MOWI68	16	17	4.15	0.05	20	660	10	125	30	16	40	0.01	125	52	0.005	4.7	2.3	80	7	50	Clay saprolite
HX000634	MOWI68	17	18	3.72	5	66	550	10	95	30	17	55	0.01	90	22	0.005	4.9	2.8	70	7	50	Clay saprolite
HX000635	MOWI69	0	1	17.16	15	25	910	30	690	80	22	960	4	145	18	1	11.6	2	370	45	60	Clay-rich Colluvium
HX000636	MOWI69	1	2	36.74	30	51	315	20	1850	90	26	475	4	165	32	2.5	12.7	1.4	770	14	40	Clay-rich Colluvium
HX000637	MOWI69	2	3	22.88	30	69	650	20	1200	90	24	455	4	175	30	3	10.5	1.4	470	11	50	Clay-rich Colluvium
HX000638	MOWI69	3	4	24.88	45	108	530	25	1500	85	24	495	4	205	20	7.5	12.4	1.2	500	10	50	Clay-rich Colluvium
HX000639	MOWI69	4	5	13.30	20	74	280	35	950	75	22	410	6	350	14	5	10	1	280	16	40	Clay-rich Colluvium
HX000640	MOWI69	5	6	11.58	25	62	270	25	860	60	20	490	6	290	12	5	10.4	1.1	300	13	30	Clay-rich Colluvium
HX000641	MOWI69	6	7	35.31	75	36	475	25	4050	50	22	510	4	310	30	25	15.2	1.7	740	9	20	Gravelly Colluvium
HX000642	MOWI69	7	8	8.72	10	15	385	40	970	25	15	215	1	250	18	1.5	3.5	0.9	175	3	30	Interface
HX000643	MOWI69	8	9	15.73	30	336	380	35	800	40	9	85	0.01	220	10	2	3	1.2	160	4	40	Ferruginous saprolite
HX000644	MOWI69	9	10	5.72	10	77	280	25	295	20	17	60	1	155	56	2	5.8	1.1	90	3	30	Clay saprolite
HX000645	MOWI69	10	11	2.14	0.05	405	480	10	125	10	18	20	2	60	30	0.005	5.1	1	45	3	20	Clay saprolite
HX000646	MOWI69	11	12	1.86	0.05	170	590	10	115	10	22	20	2	70	36	0.005	8.4	1.3	45	5	20	Clay saprolite
HX000647	MOWI69	12	13	2.72	0.05	27	600	10	105	15	22	35	1	50	44	0.005	11.5	1.6	50	6	20	Clay saprolite
HX000648	MOWI69	13	14	2.43	0.05	154	590	5	85	15	22	20	2	45	30	0.005	8.8	1.9	35	6	30	Clay saprolite
HX000649	MOWI69	14	15	1.86	0.05	130	620	0.05	65	15	22	20	2	35	28	0.005	7.4	1.8	40	6	30	Clay saprolite
HX000650	MOWI69	15	16	3.00	15	16	520	10	60	20	20	45	1	65	16	1	5	1.3	45	4	30	Clay saprolite
HX000651	MOWI69	16	17	2.29	5	15	520	10	55	20	20	35	2	50	22	0.5	4.9	1.5	40	5	30	Clay saprolite
HX000652	MOWI70	0	1	9.86	10	23	840	15	400	40	22	370	3	60	20	1	10.3	1.9	220	8	50	CONT
HX000653	MOWI70	1	2	15.73	15	28	350	35	425	70	19	1300	5	115	26	1	11.9	2.2	325	16	80	Gravelly Colluvium
HX000654	MOWI70	2	3	15.58	15	61	450	25	830	75	21	850	4	185	14	3	9.4	1	355	14	50	Clay-rich Colluvium
HX000655	MOWI70	3	4	15.01	25	48	360	45	1000	70	22	890	5	240	18	5	11.1	1.1	335	15	40	Clay-rich Colluvium
HX000656	MOWI70	4	5	9.44	20	26	195	45	700	60	20	910	5	290	14	2.5	10.5	1.2	240	18	40	Clay-rich Colluvium
HX000657	MOWI70	5	6	9.15	35	14	465	25	650	60	20	620	7	220	12	3.5	10.7	1.1	260	10	40	Channel Sediment
HX000658	MOWI70	6	7	6.72	25	8	170	20	420	45	14	490	6	155	8	3	7.8	1	195	11	20	Channel Sediment
HX000659	MOWI70	7	8	8.86	30	7	240	25	610	60	18	640	7	205	18	4	10.1	1.3	240	8	30	Channel Sediment
HX000660	MOWI70	8	9	11.15	45	83	770	40	910	25	8	140	1	295	20	0.005	1.75	1.1	100	2	30	Interface
HX000661	MOWI70	9	10	19.87	125	33	520	30	1150	50	15	395	4	215	6	1.5	7.8	1.3	335	5	30	Mottled Zone
HX000662	MOWI70	10	11	16.73	100	330	150	55	700	25	5	95	0.01	330	8	0.005	1.15	0.6	85	1	40	Mottled Zone

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SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000663	MOWI70	11	12	18.16	120	168	55	60	600	35	6	135	0.01	385	10	1	1.65	0.6	150	2	60	Mottled Zone
HX000664	MOWI70	12	13	3.43	15	445	55	35	880	15	6	40	0.01	400	4	0.005	1.1	0.4	80	2	40	Clay saprolite
HX000665	MOWI70	13	14	6.29	20	83	70	80	3250	25	6	75	0.01	1200	14	1	0.1	0.3	200	2	80	Clay saprolite
HX000666	MOWI70	14	15	6.86	50	46	70	90	3550	30	7	90	0.01	1400	10	1.5	0.15	0.5	220	2	70	Clay saprolite
HX000667	MOWI70	15	16	4.86	25	28	10	75	3050	15	7	80	0.01	1450	6	1	0.1	0.5	140	1	60	Clay saprolite
HX000668	MOWI70	16	17	5.00	40	24	25	125	2950	20	8	205	0.01	1350	12	2	0.2	0.6	175	3	60	Clay saprolite
HX000669	MOWI70	17	18	8.86	135	17	20	135	2550	30	7	240	0.01	1450	8	3.5	0.1	0.4	185	4	100	Clay saprolite
HX000670	MOWI70	18	19	10.72	125	28	45	190	2800	45	6	500	0.01	1700	10	2.5	0.35	0.4	185	7	140	Clay saprolite
HX000671	MOWI70	19	20	11.15	95	44	20	165	2250	45	5	375	0.01	1600	54	1.5	0.15	0.4	145	6	120	Clay saprolite
HX000001	QGI1	0	1	17.44	20	336	475	20	630	75	25	510	4	145	14	0.5	13.2	1.6	355	28	60	Clay-rich Colluvium
HX000002	QGI1	1	2	22.73	15	71	470	30	950	95	27	660	4	140	22	0.5	11.7	1.9	450	16	50	Clay-rich Colluvium
HX000003	QGI1	2	3	23.16	15	42	465	25	970	115	29	680	4	160	12	0.5	8.7	1.2	510	17	50	Clay-rich Colluvium
HX000004	QGI1	3	4	19.02	15	91	210	20	1050	100	26	485	4	180	10	0.005	8.4	0.9	425	12	50	Clay-rich Colluvium
HX000005	QGI1	4	5	13.44	10	68	265	30	910	70	23	610	4	225	10	1	8.6	1.3	290	8	50	Clay-rich Colluvium
HX000006	QGI1	5	6	10.44	15	16	160	40	810	65	20	690	3	300	10	1.5	6.2	1.3	245	8	50	Interface
HX000007	QGI1	6	7	8.86	5	16	145	40	520	75	20	375	2	190	12	1	3.9	1.5	170	7	50	Mottled Zone
HX000008	QGI1	7	8	6.86	0.05	15	65	40	770	50	16	290	1	270	6	0.5	2.5	1	85	5	60	Mottled Zone
HX000009	QGI1	8	9	10.01	10	8	85	35	1400	45	10	185	0.01	355	4	0.5	1.55	0.9	210	3	40	Mottled Zone
HX000010	QGI1	9	10	8.44	0.05	3	65	35	1350	40	9	180	0.01	360	20	0.5	1	1.1	190	2	40	Mottled Zone
HX000011	QGI1	10	11	5.00	0.05	2	85	25	830	25	9	80	0.01	200	0.02	0.005	0.95	1	60	2	30	Mottled Zone
HX000012	QGI1	11	12	7.43	0.05	10	1500	25	495	70	35	105	0.01	145	12	1	2.7	1.2	140	6	30	Mottled Zone
HX000013	QGI1	12	13	7.58	0.05	4	780	35	330	60	26	300	0.01	175	28	0.5	3	0.9	160	9	50	Mottled Zone
HX000014	QGI1	13	14	7.72	0.05	14	460	120	340	70	23	1300	0.01	385	14	0.5	3.2	0.8	175	12	90	Saprolite
HX000015	QGI1	14	15	7.58	0.05	27	480	95	410	65	23	1100	0.01	390	14	0.005	2.9	0.7	170	9	80	Saprolite
HX000016	QGI1	15	16	7.72	0.05	12	200	60	310	70	19	325	0.01	305	12	0.005	2.9	0.6	190	8	60	Saprolite
HX000017	QGI1	16	17	7.58	0.05	7	1150	60	425	90	31	810	0.01	405	10	0.005	3	0.6	195	7	70	Saprolite
HX000018	QGI1	17	18	7.15	0.05	2	670	95	1450	15	15	1500	0.01	1150	0.02	0.005	0.3	0.4	120	5	80	Saprolite
HX000019	QGI1	18	19	9.29	0.05	4	930	100	880	115	26	2100	0.01	710	10	1.5	2.1	0.5	205	6	100	Saprolite
HX000020	QGI1	19	20	8.15	0.05	11	820	70	780	70	22	1350	0.01	650	10	1	1.65	0.5	160	5	90	Saprolite
HX000021	QGI1	20	21	8.15	0.05	5	470	105	1950	25	13	1100	0.01	1350	4	0.5	0.25	0.2	155	3	90	Saprolite
HX000022	QGI1	21	22	6.43	0.05	10	405	80	1500	35	11	1150	0.01	1150	8	1	0.3	0.3	120	4	70	Saprolite
HX000023	QGI1	22	23	7.86	0.05	7	275	90	1700	45	9	1450	0.01	1250	0.02	1	0.15	0.2	120	2	70	Saprolite
HX000024	QGI1	23	24	7.29	0.05	134	780	55	790	70	20	1100	0.01	700	8	1	1.4	0.4	150	4	70	Saprolite
HX000194	QGI10	0	1	15.58	10	9	375	25	600	65	28	860	4	75	22	0.5	14.1	2.7	325	15	70	Clay-rich Colluvium
HX000195	QGI10	1	2	10.01	0.05	19	670	30	265	65	34	730	6	130	14	0.5	11.2	1.9	215	30	80	Clay-rich Colluvium
HX000196	QGI10	2	3	18.16	10	31	305	30	730	95	30	750	2	155	12	0.005	9.1	1.1	395	16	60	Clay-rich Colluvium
HX000197	QGI10	3	4	17.59	10	89	350	30	940	95	29	660	4	235	10	1	8.8	1.1	420	12	60	Clay-rich Colluvium
HX000198	QGI10	4	5	20.73	20	38	245	30	2050	75	25	680	4	255	12	3	9.5	1.2	470	10	50	Clay-rich Colluvium
HX000199	QGI10	5	6	19.02	20	38	455	30	2500	50	31	440	6	305	14	3	15.1	1.3	385	8	40	Clay-rich Colluvium

QUASAR

SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000200	QGI10	6	7	16.87	20	28	570	20	2100	40	32	295	4	235	14	3	14.8	1.3	350	6	40	Clay-rich Colluvium
HX000201	QGI10	7	8	11.01	20	18	255	15	1000	40	24	285	5	175	8	1.5	10.6	1.1	225	6	30	Interface
HX000202	QGI10	8	9	15.73	20	9	650	20	2000	30	29	330	3	165	12	3	12	1.3	320	4	30	Clay saprolite
HX000203	QGI10	9	10	4.29	0.05	3	290	15	255	20	20	260	3	105	6	1	5.7	1.1	85	4	20	Clay saprolite
HX000204	QGI10	10	11	3.29	0.05	13	435	10	185	15	30	295	2	75	6	1	4.9	1.2	90	4	30	Clay saprolite
HX000205	QGI10	11	12	1.72	0.05	7	660	0.05	70	10	37	30	2	25	6	0.005	4.9	1.2	55	3	20	Clay saprolite
HX000206	QGI10	12	13	1.43	0.05	2	600	0.05	45	5	32	25	2	20	6	0.005	4	1	55	3	20	Clay saprolite
HX000207	QGI10	13	14	1.43	0.05	4	800	0.05	45	5	40	15	2	20	8	1	5.1	1.2	60	4	20	Clay saprolite
HX000208	QGI10	14	15	1.14	0.05	2	560	0.05	45	10	35	15	2	25	8	0.5	6.7	1.1	55	3	20	Clay saprolite
HX000209	QGI10	15	16	1.14	0.05	0.01	690	0.05	45	10	42	10	2	15	8	1	7.2	1	70	4	20	Clay saprolite
HX000210	QGI10	16	17	0.86	0.05	0.01	520	0.05	50	10	36	10	2	10	20	1	7.3	1.2	70	5	20	Clay saprolite
HX000211	QGI10	17	18	1.00	0.05	5	540	0.05	50	10	35	10	2	15	40	0.5	7.2	1.3	75	6	20	Clay saprolite
HX000212	QGI10	18	19	1.14	0.05	0.01	620	0.05	50	0.05	37	10	2	10	22	0.5	6.5	1.3	70	5	20	Clay saprolite
HX000213	QGI10	19	20	1.29	0.05	0.01	660	0.05	25	5	38	5	3	5	10	0.5	5.4	1.3	50	4	20	Clay saprolite
HX000214	QGI10	20	21	1.86	0.05	37	720	0.05	15	10	39	15	0.01	5	54	1	5	1.3	55	4	20	Clay saprolite
HX000215	QGI10	21	22	1.72	0.05	3	840	0.05	20	10	42	15	0.01	5	32	1	4.9	1.2	50	4	20	Clay saprolite
HX000216	QGI10	22	23	3.29	0.05	0.01	720	5	10	20	37	50	0.01	20	22	1.5	4.8	1.3	65	5	40	Clay saprolite
HX000217	QGI10	23	24	2.57	0.05	0.01	680	0.05	15	20	38	25	0.01	25	26	1	4.3	1.4	50	4	30	Clay saprolite
HX000218	QGI10	24	25	2.72	0.05	0.01	700	0.05	20	20	36	35	0.01	15	14	0.5	4.7	1.3	40	5	50	Clay saprolite
HX000219	QGI10	25	26	2.00	0.05	0.01	630	0.05	35	15	34	20	0.01	15	16	0.5	4.2	1.2	50	5	30	Clay saprolite
HX000220	QGI10	26	27	2.43	0.05	0.01	580	0.05	20	10	34	30	0.01	15	14	0.005	4.2	1.3	50	5	40	Clay saprolite
HX000221	QGI10	27	28	1.72	0.05	0.01	600	0.05	25	10	34	20	0.01	15	24	0.005	4.5	1.4	50	5	40	Clay saprolite
HX000222	QGI10	28	29	1.72	0.05	0.01	550	0.05	15	10	31	20	0.01	10	14	0.005	4.1	1.3	40	4	40	Clay saprolite
HX000223	QGI10	29	30	1.43	0.05	0.01	670	0.05	20	10	36	20	0.01	35	20	0.005	4.6	1.4	50	6	30	Clay saprolite
HX000224	QGI10	30	31	1.29	0.05	3	600	0.05	15	10	31	15	0.01	5	16	0.005	4.5	1.4	45	5	40	Clay saprolite
HX000082	QGI11	0	1	13.58	20	3	540	30	540	70	28	1600	5	75	28	0.5	14.4	2.5	285	13	60	Clay-rich Colluvium
HX000083	QGI11	1	2	9.86	10	48	330	15	365	75	25	390	4	125	12	0.5	8.7	1.5	225	22	70	Clay-rich Colluvium
HX000084	QGI11	2	3	16.87	10	87	315	25	820	95	27	560	4	180	14	1	9.8	1.2	410	13	50	Clay-rich Colluvium
HX000085	QGI11	3	4	15.73	10	88	220	25	1600	70	22	455	3	265	10	0.5	8.8	0.9	345	9	50	Clay-rich Colluvium
HX000086	QGI11	4	5	15.01	15	11	245	20	1750	45	16	380	2	180	10	1.5	7.5	1.3	365	7	30	Channel Sediment
HX000087	QGI11	5	6	8.01	15	0.01	185	25	710	35	14	520	4	195	8	1.5	7.7	1.5	195	9	30	Channel Sediment
HX000088	QGI11	6	7	8.58	20	2	220	30	720	40	18	540	5	255	10	2	9.1	1.8	215	8	40	Channel Sediment
HX000089	QGI11	7	8	8.72	25	3	205	30	760	40	18	465	6	260	14	3.5	9.5	2	210	7	40	Channel Sediment
HX000090	QGI11	8	9	6.43	10	3	170	15	480	30	17	250	4	205	8	1	7.7	1.6	140	7	30	Channel Sediment
HX000091	QGI11	9	10	6.00	15	4	410	15	470	25	27	365	4	150	8	2.5	7.8	1.4	145	4	30	Interface
HX000092	QGI11	10	11	1.86	0.05	22	450	0.05	70	10	26	35	1	45	12	1	3.8	0.8	50	3	10	Clay saprolite
HX000093	QGI11	11	12	1.57	0.05	12	475	0.05	55	10	28	25	1	55	24	0.5	3.9	0.9	40	3	20	Clay saprolite
HX000094	QGI11	12	13	1.43	0.05	3	630	0.05	45	10	34	45	1	20	40	0.5	3.7	1	40	3	20	Clay saprolite
HX000095	QGI11	13	14	1.43	0.05	11	640	0.05	55	10	31	30	1	40	110	0.5	4.6	1.2	35	3	20	Clay saprolite

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000096	QGI11	14	15	1.43	0.05	5	670	0.05	40	10	34	15	0.01	20	22	0.005	4.4	1	40	3	20	Clay saprolite
HX000097	QGI11	15	16	1.29	0.05	14	590	0.05	40	10	32	15	1	15	18	0.5	4.8	1	40	3	20	Clay saprolite
HX000098	QGI11	16	17	1.29	0.05	3	590	0.05	40	10	35	15	1	15	8	0.005	5.1	1.2	40	3	20	Clay saprolite
HX000099	QGI11	17	18	1.29	0.05	4	510	0.05	35	5	32	10	0.01	10	22	0.005	4.7	1	40	4	20	Clay saprolite
HX000100	QGI11	18	19	1.29	0.05	2	640	0.05	25	10	34	10	2	5	60	0.005	4.5	1.3	40	4	20	Clay saprolite
HX000101	QGI11	19	20	3.72	10	2	610	5	25	20	33	70	1	20	18	1	5.3	1.3	60	4	40	Clay saprolite
HX000102	QGI11	20	21	1.57	0.05	70	680	0.05	25	10	33	15	1	20	28	0.5	3.6	1.2	40	4	30	Clay saprolite
HX000103	QGI11	21	22	2.86	5	4	570	5	25	15	29	30	1	15	16	0.5	4.3	1.3	45	5	40	Clay saprolite
HX000104	QGI11	22	23	1.86	0.05	10	650	0.05	35	10	32	20	1	15	8	0.005	4.1	1.1	40	5	30	Clay saprolite
HX000105	QGI11	23	24	3.29	5	2	560	0.05	45	35	31	25	2	25	14	1	5.1	1.7	60	7	60	Clay saprolite
HX000106	QGI11	24	25	1.43	0.05	0.01	550	0.05	30	20	30	10	2	15	10	0.005	5	1.4	50	7	40	Clay saprolite
HX000107	QGI11	25	26	1.86	0.05	0.01	570	0.05	35	20	28	20	1	20	24	0.5	5.1	1.4	55	7	60	Clay saprolite
HX000108	QGI11	26	27	2.43	5	0.01	560	5	30	25	29	40	0.01	30	16	0.5	4.7	1.5	50	6	70	Clay saprolite
HX000109	QGI11	27	28	2.72	5	2	610	10	35	25	30	40	0.01	35	16	1	4.8	1.6	55	6	80	Clay saprolite
HX000110	QGI11	28	29	2.29	0.05	3	530	0.05	30	30	29	25	2	25	14	1	4.8	1.5	55	6	60	Clay saprolite
HX000111	QGI11	29	30	2.00	0.05	2	600	0.05	30	20	29	20	1	25	18	0.5	4.7	1.5	45	6	50	Clay saprolite
HX000112	QGI11	30	31	2.14	0.05	0.01	710	5	25	10	31	40	0.01	30	22	0.005	3.7	1.3	35	4	50	Clay saprolite
HX000113	QGI11	31	32	1.86	0.05	0.01	590	0.05	35	10	29	40	0.01	20	14	1	3.9	1	35	4	40	Clay saprolite
HX000114	QGI11	32	33	1.72	0.05	0.01	580	0.05	30	10	30	15	0.01	10	14	0.5	3.6	1.1	35	4	30	Clay saprolite
HX000115	QGI11	33	34	1.29	0.05	0.01	600	0.05	30	10	29	15	0.01	10	14	0.005	3.6	1.1	30	4	30	Clay saprolite
HX000116	QGI11	34	35	1.29	0.05	3	610	0.05	25	10	32	15	1	5	12	0.5	4.4	1.2	35	5	30	Clay saprolite
HX000117	QGI11	35	36	1.29	0.05	2	600	0.05	30	10	32	15	1	5	12	1	4.1	1.2	35	5	40	Clay saprolite
HX000118	QGI11	36	37	1.72	0.05	3	620	0.05	30	15	31	20	1	10	26	0.5	3.9	1.2	30	4	50	Clay saprolite
HX000119	QGI11	37	38	1.57	0.05	0.01	580	0.05	35	10	31	20	0.01	5	14	0.005	4	1.2	35	4	40	Clay saprolite
HX000120	QGI11	38	39	1.72	0.05	0.01	590	0.05	25	15	30	20	1	10	18	0.5	3.8	1.2	35	4	40	Clay saprolite
HX000121	QGI11	39	40	2.00	0.05	0.01	620	0.05	35	15	30	25	0.01	15	16	0.005	4	1.2	40	5	70	Clay saprolite
HX000049	QGI12	0	1	16.44	15	18	415	20	580	70	27	470	4	95	18	0.5	9.4	1.6	335	16	60	Clay-rich Colluvium
HX000050	QGI12	1	2	17.87	10	38	510	25	650	85	30	690	5	130	16	0.5	9	1.3	405	14	50	Clay-rich Colluvium
HX000051	QGI12	2	3	23.73	20	49	380	30	1600	90	29	410	5	260	20	0.5	8.6	1.1	550	11	50	Clay-rich Colluvium
HX000052	QGI12	3	4	22.73	15	59	320	30	1850	85	26	500	4	255	14	1.5	9.6	1.1	490	9	40	Clay-rich Colluvium
HX000053	QGI12	4	5	40.89	55	17	440	25	5000	75	30	450	4	295	22	4.5	14.1	1.6	870	8	40	Channel Sediment
HX000054	QGI12	5	6	11.15	20	5	225	25	1150	40	17	630	4	230	12	1.5	8.5	1.7	265	8	30	Channel Sediment
HX000055	QGI12	6	7	11.87	20	7	200	25	1250	35	18	440	5	275	10	1.5	9.9	1.8	290	6	40	Channel Sediment
HX000056	QGI12	7	8	10.44	15	15	220	35	1050	35	18	520	5	270	10	0.5	10	1.7	245	7	40	Channel Sediment
HX000057	QGI12	8	9	10.72	15	8	210	30	1100	35	21	445	5	265	10	1.5	10.3	1.5	240	5	40	Channel Sediment
HX000058	QGI12	9	10	7.72	10	11	320	15	610	25	25	180	5	150	6	1	8.9	1.3	185	4	30	Channel Sediment
HX000059	QGI12	10	11	2.57	0.05	12	690	0.05	90	5	35	30	1	20	4	0.5	5.7	0.9	55	3	10	Interface
HX000060	QGI12	11	12	1.86	0.05	7	660	0.05	65	5	36	20	1	15	4	0.005	5.4	0.8	45	3	20	Clay saprolite
HX000061	QGI12	12	13	2.00	0.05	16	680	0.05	60	0.05	34	15	1	15	4	0.005	5.4	1	45	3	10	Clay saprolite

QUASAR

SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000062	QGI12	13	14	1.72	0.05	5	610	0.05	75	10	31	25	2	20	6	0.5	4.8	0.9	40	3	20	Clay saprolite
HX000063	QGI12	14	15	1.86	0.05	7	720	0.05	70	0.05	35	15	1	15	6	0.005	5.2	0.9	35	3	10	Clay saprolite
HX000064	QGI12	15	16	1.57	0.05	0.01	540	0.05	65	5	31	20	0.01	15	6	0.005	4.5	0.8	30	3	10	Clay saprolite
HX000065	QGI12	16	17	1.57	0.05	0.01	660	0.05	40	5	34	10	0.01	5	8	0.005	4.7	1	35	4	10	Clay saprolite
HX000066	QGI12	17	18	1.29	0.05	0.01	710	0.05	40	0.05	38	10	0.01	5	10	0.005	5.7	1.2	45	5	20	Clay saprolite
HX000067	QGI12	18	19	1.29	0.05	2	640	0.05	35	0.05	34	5	2	0.05	22	0.005	7.1	1.8	55	8	10	Clay saprolite
HX000068	QGI12	19	20	1.29	0.05	0.01	650	0.05	40	5	34	10	1	10	28	0.005	6.4	2	55	8	10	Clay saprolite
HX000069	QGI12	20	21	1.29	0.05	2	650	0.05	45	10	34	10	2	5	30	0.005	7.1	2.3	55	11	10	Clay saprolite
HX000070	QGI12	21	22	1.29	0.05	0.01	660	0.05	30	5	34	10	2	5	26	0.005	6.5	2.2	55	10	20	Clay saprolite
HX000071	QGI12	22	23	1.29	0.05	0.01	750	0.05	35	5	35	10	3	10	24	0.005	7.1	2.6	50	11	20	Clay saprolite
HX000072	QGI12	23	24	1.29	0.05	0.01	670	0.05	30	5	33	10	0.01	10	16	0.005	4.5	1.3	35	6	20	Clay saprolite
HX000073	QGI12	24	25	1.43	0.05	0.01	690	0.05	30	10	32	10	0.01	5	14	0.005	4.3	1.2	35	5	30	Clay saprolite
HX000074	QGI12	25	26	1.72	0.05	0.01	610	0.05	30	15	31	15	0.01	10	16	0.005	4.1	1.1	35	5	60	Clay saprolite
HX000075	QGI12	26	27	1.72	0.05	0.01	690	0.05	35	10	31	15	0.01	10	18	0.005	4.5	1.2	45	6	50	Clay saprolite
HX000076	QGI12	27	28	1.72	0.05	0.01	580	0.05	40	15	31	15	1	10	16	0.005	4.1	1.4	35	6	50	Clay saprolite
HX000077	QGI12	28	29	1.86	0.05	0.01	580	0.05	35	15	32	20	0.01	10	16	0.005	3.7	1	30	4	60	Clay saprolite
HX000078	QGI12	29	30	2.00	0.05	0.01	590	0.05	30	15	30	20	0.01	15	16	0.005	3.7	1.1	35	4	60	Clay saprolite
HX000079	QGI12	30	31	1.86	0.05	0.01	590	0.05	30	15	30	20	0.01	15	18	0.005	4	1.2	30	5	60	Clay saprolite
HX000080	QGI12	31	32	1.86	0.05	0.01	580	0.05	25	10	29	20	0.01	10	18	0.005	3.7	1.1	35	4	50	Clay saprolite
HX000081	QGI12	32	33	1.72	0.05	4	520	0.05	30	10	28	25	0.01	10	14	0.005	3.2	1	30	4	40	Clay saprolite
HX000025	QGI13	0	1	14.73	5	540	500	20	560	70	29	450	4	120	24	0.005	9.3	1.8	310	18	60	Clay-rich Colluvium
HX000026	QGI13	1	2	26.31	15	44	560	35	1200	105	31	1100	4	165	16	0.005	8.9	1.4	550	17	60	Gravelly Colluvium
HX000027	QGI13	2	3	13.44	5	56	240	20	700	80	23	480	2	240	26	0.005	7.7	0.9	260	12	50	Clay-rich Colluvium
HX000028	QGI13	3	4	31.45	35	26	370	20	3700	65	28	440	3	250	20	2.5	12.7	1.4	640	9	40	Clay-rich Colluvium
HX000029	QGI13	4	5	19.87	25	8	220	15	2150	50	20	450	2	210	22	1.5	9	1.4	445	7	30	Gravelly Colluvium
HX000030	QGI13	5	6	12.44	20	3	235	30	1300	35	17	690	4	255	10	1	8.8	1.9	285	7	40	Channel Sediment
HX000031	QGI13	6	7	12.58	20	5	425	40	1250	35	21	570	4	275	12	10	9.2	2	295	8	30	Channel Sediment
HX000032	QGI13	7	8	9.58	20	14	165	20	960	35	18	280	6	280	6	2	9.6	1.9	225	5	40	Channel Sediment
HX000033	QGI13	8	9	11.87	25	10	180	25	1150	40	20	315	6	275	14	4.5	11	1.9	280	5	30	Channel Sediment
HX000034	QGI13	9	10	28.88	140	9	275	15	2950	35	25	390	3	175	16	21	13.3	1.8	640	4	30	Channel Sediment
HX000035	QGI13	10	11	4.43	0.05	10	560	0.05	305	25	32	75	2	55	10	2.5	5.5	1	85	3	20	Channel Sediment
HX000036	QGI13	11	12	3.29	0.05	5	680	0.05	150	10	36	35	0.01	15	6	1	4.5	0.7	60	2	10	Interface
HX000037	QGI13	12	13	1.86	0.05	2	690	0.05	45	5	35	15	0.01	0.05	10	0.005	4	0.8	35	2	10	Clay saprolite
HX000038	QGI13	13	14	1.86	0.05	0.01	700	0.05	50	5	35	15	0.01	5	10	0.5	4.2	0.7	35	3	10	Clay saprolite
HX000039	QGI13	14	15	1.72	0.05	3	730	0.05	35	5	37	15	1	0.05	8	0.005	3.5	0.9	30	3	10	Clay saprolite
HX000040	QGI13	15	16	2.29	10	2	750	20	20	20	32	200	0.01	10	14	0.5	3.1	0.6	10	4	20	Clay saprolite
HX000041	QGI13	16	17	1.72	0.05	2	710	0.05	65	5	35	10	0.01	0.05	14	0.005	4	1.2	35	5	10	Clay saprolite
HX000042	QGI13	17	18	1.86	0.05	2	760	0.05	45	5	36	20	0.01	10	12	0.005	4.2	1.1	40	5	20	Clay saprolite
HX000043	QGI13	18	19	1.86	0.05	0.01	740	0.05	50	0.05	36	20	1	10	12	0.005	4.5	0.9	40	5	10	Clay saprolite

QUASAR

SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000044	QGI13	19	20	1.57	0.05	4	710	0.05	40	0.05	35	15	1	0.05	14	0.005	4.6	1	40	6	20	Clay saprolite
HX000045	QGI13	20	21	1.57	0.05	0.01	690	0.05	40	0.05	34	15	1	0.05	14	0.005	5.1	1	40	5	20	Clay saprolite
HX000046	QGI13	21	22	1.57	0.05	0.01	690	0.05	35	5	34	15	1	5	12	0.005	4.7	1.1	30	5	20	Clay saprolite
HX000047	QGI13	22	23	1.57	0.05	0.01	740	0.05	40	0.05	35	15	0.01	5	14	0.005	5.3	1.1	40	7	20	Clay saprolite
HX000048	QGI13	23	24	1.43	0.05	0.01	600	0.05	30	5	33	10	0.01	5	16	0.005	4.4	1.2	35	6	30	Clay saprolite
HX000416	QGI2	0	1	12.87	20	23	490	25	500	70	22	720	5	135	16	1.5	13.3	2	290	23	60	Clay-rich Colluvium
HX000417	QGI2	1	2	10.15	10	46	530	30	310	80	23	930	6	145	18	1	12.1	1.6	245	26	60	Clay-rich Colluvium
HX000418	QGI2	2	3	18.59	10	65	520	30	670	100	26	840	4	155	14	1	10.4	1.1	455	17	50	Clay-rich Colluvium
HX000419	QGI2	3	4	18.01	5	60	365	25	920	105	26	510	3	165	14	0.005	10.2	0.9	415	13	50	Clay-rich Colluvium
HX000420	QGI2	4	5	15.30	10	44	300	30	860	95	24	530	3	210	12	1	10.3	1	355	12	50	Clay-rich Colluvium
HX000421	QGI2	5	6	8.44	5	19	1400	15	445	55	34	320	3	155	14	1.5	7.2	1.2	200	8	30	Interface
HX000422	QGI2	6	7	3.00	0.05	65	700	10	180	30	25	205	3	85	14	1	5.1	1	95	6	30	Saprolite
HX000423	QGI2	7	8	1.57	0.05	6	600	0.05	55	10	24	100	2	35	14	1	4	0.9	50	4	30	1Clay-rich Colluvium
HX000424	QGI2	8	9	1.29	0.05	5	520	0.05	35	10	23	75	2	20	16	1.5	3.4	1.1	25	4	30	1Clay-rich Colluvium
HX000715	QGI27	0	1	14.44	15	10	590	30	590	75	19	1600	6	120	24	0.5	15.1	2.5	340	21	60	Clay-rich Colluvium
HX000716	QGI27	1	2	17.30	15	55	680	30	590	85	19	1500	6	120	20	0.5	10.9	1.8	405	18	70	Clay-rich Colluvium
HX000717	QGI27	2	3	29.31	25	63	365	25	1200	130	25	670	4	170	18	0.5	8.1	1.2	810	13	50	Gravelly Colluvium
HX000718	QGI27	3	4	30.17	20	64	310	30	1850	135	26	600	4	200	16	1	7	0.9	830	11	50	Gravelly Colluvium
HX000719	QGI27	4	5	33.31	20	44	445	25	2850	95	24	420	4	255	18	2	10.8	1.2	770	10	40	Gravelly Colluvium
HX000720	QGI27	5	6	9.86	5	99	110	25	510	80	22	325	4	270	6	2	5.6	1.1	245	9	40	Interface
HX000721	QGI27	6	7	11.44	10	24	95	20	395	60	21	190	2	250	4	1.5	3.9	0.9	245	6	20	Clay saprolite
HX000722	QGI27	7	8	10.15	10	83	5900	30	400	80	21	205	3	255	16	2.5	4.3	1.2	225	5	20	Clay saprolite
HX000723	QGI27	8	9	9.29	10	3	75	20	165	55	16	215	2	205	2	2.5	3.1	1.2	200	5	10	Clay saprolite
HX000724	QGI27	9	10	6.86	10	2	125	15	140	50	12	155	2	145	2	1	2.3	1.2	170	4	10	Clay saprolite
HX000725	QGI27	10	11	8.58	10	11	2000	15	210	95	18	150	3	170	2	1	3.9	1.2	175	6	20	Clay saprolite
HX000726	QGI27	11	12	8.29	10	4	530	10	130	105	18	80	4	115	4	0.5	5.5	1.3	160	6	20	Clay saprolite
HX000727	QGI27	12	13	8.86	15	9	2250	20	110	135	19	1400	4	115	4	1	5.9	1.3	205	8	20	Clay saprolite
HX000728	QGI27	13	14	9.15	20	7	4100	150	495	235	21	1.09	4	435	4	1.5	5.2	1.3	245	14	120	Clay saprolite
HX000729	QGI27	14	15	7.86	15	4	50	50	1550	105	6	295	0.01	760	0.02	0.005	0.4	0.3	100	2	110	Clay saprolite
HX000730	QGI27	15	16	8.86	15	4	80	60	2600	140	6	520	0.01	1150	0.02	0.5	0.3	0.4	130	3	100	Saprolite
HX000731	QGI27	16	17	9.01	15	3	490	105	2500	120	8	2250	0.01	1200	0.02	0.5	0.4	0.5	130	3	110	Saprolite
HX000732	QGI27	17	18	9.01	20	5	500	60	770	100	15	2200	4	560	2	1.5	4.1	0.9	145	13	80	Saprolite
HX000733	QGI27	18	19	4.29	0.05	3	380	10	40	35	7	820	2	55	0.02	0.005	5.4	0.6	60	15	20	Saprolite
HX000734	QGI27	19	20	9.29	20	5	485	55	260	160	17	2250	4	300	26	1.5	5.3	1.1	180	14	60	Saprolite
HX000735	QGI27	20	21	9.44	15	9	170	80	2250	105	7	1150	0.01	930	10	0.005	0.3	0.3	140	4	120	Saprolite
HX000736	QGI27	21	22	8.58	10	11	90	80	2200	55	6	740	0.01	1050	18	0.005	0.25	0.2	125	4	100	Saprolite
HX000737	QGI27	22	23	9.72	5	3	410	85	2100	255	11	2450	0.01	910	10	0.005	0.8	0.4	165	6	90	Saprolite
HX000738	QGI27	23	24	8.15	5	11	175	75	1500	60	10	1500	2	750	10	0.5	1.9	0.5	140	7	80	Saprolite
HX000739	QGI27	24	25	7.86	10	4	405	50	95	80	19	3000	5	155	2	1	5.8	1.2	175	14	60	Saprolite

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000740	QGI27	25	26	8.15	10	3	600	80	95	100	20	4550	5	160	12	1	6.2	1.1	180	14	50	Saprolite
HX000741	QGI27	26	27	8.44	15	1	690	60	65	115	20	3800	4	160	0.02	1	6.1	1.1	170	15	60	Saprolite
HX000742	QGI29	0	1	12.58	10	27	470	40	910	85	19	990	5	340	14	1	9.4	1.9	270	22	60	Clay-rich Colluvium
HX000743	QGI29	1	2	16.30	15	32	425	30	910	95	21	610	6	280	10	1	9	1.3	385	14	60	Clay-rich Colluvium
HX000744	QGI29	2	3	22.45	20	84	260	25	1100	115	25	670	4	200	12	1	8.9	1.1	560	13	50	Clay-rich Colluvium
HX000745	QGI29	3	4	16.16	10	57	275	25	1350	105	23	580	4	235	8	0.5	9.2	1.2	380	10	50	Clay-rich Colluvium
HX000746	QGI29	4	5	16.01	15	92	470	30	1900	90	22	540	5	290	12	1.5	11.3	1.3	370	10	50	Clay-rich Colluvium
HX000747	QGI29	5	6	9.15	10	47	115	35	1350	70	11	410	3	600	52	1.5	5	1.1	205	7	50	Interface
HX000748	QGI29	6	7	7.72	10	3	85	30	1350	95	6	355	0.01	530	200	1.5	1.3	1.1	180	6	40	Mottled Zone
HX000749	QGI29	7	8	11.87	20	6	75	50	2150	60	6	420	0.01	850	0.02	4	1	1.3	310	2	50	Mottled Zone
HX000750	QGI29	8	9	8.29	10	2	65	70	1850	50	5	420	0.01	1000	4	1.5	0.35	0.9	160	1	70	Saprolite
HX000751	QGI29	9	10	8.15	0.05	5	295	220	2150	25	6	1750	0.01	1450	2	0.5	0.1	0.4	150	1	70	Saprolite
HX000752	QGI29	10	11	8.29	0.05	0.01	175	205	2200	70	6	1250	0.01	1500	28	1.5	0.05	0.4	160	1	70	Saprolite
HX000753	QGI29	11	12	8.29	5	1	340	305	2100	75	7	2500	0.01	1450	2	1	0.2	0.3	165	1	80	Saprolite
HX000754	QGI29	12	13	7.72	0.05	0.01	395	150	2000	45	7	1800	0.01	1250	0.02	0.5	0.2	0.3	150	1	60	Saprolite
HX000755	QGI29	13	14	8.44	0.05	0.01	425	125	2450	55	6	1950	0.01	1200	4	0.5	0.15	0.2	160	2	100	Saprolite
HX000756	QGI29	14	15	8.15	0.05	1	220	115	2400	50	6	1150	0.01	1350	0.02	0.005	0.05	0.2	155	1	70	Saprolite
HX000757	QGI29	15	16	7.72	0.05	4	55	80	2200	50	5	405	0.01	1150	44	0.005	0.15	0.3	140	1	70	Saprolite
HX000758	QGI29	16	17	8.15	0.05	0.01	230	120	2100	45	5	1100	0.01	1350	0.02	0.005	0.05	0.2	150	1	70	Saprolite
HX000759	QGI29	17	18	8.01	5	0.01	520	155	2250	45	6	2500	0.01	1300	2	0.005	0.1	0.2	160	2	60	Saprolite
HX000760	QGI29	18	19	8.44	0.05	0.01	315	125	2200	50	7	1600	0.01	1350	8	0.005	0.15	0.1	165	2	60	Saprolite
HX000761	QGI29	19	20	7.72	0.05	1	170	115	2250	35	6	910	0.01	1400	2	0.005	0.1	0.001	145	2	60	Saprolite
HX000762	QGI29	20	21	7.86	0.05	4	350	140	2400	40	6	1800	0.01	1400	2	0.005	0.1	0.001	165	2	60	Saprolite
HX000763	QGI29	21	22	7.86	0.05	0.01	220	120	2100	35	6	1250	0.01	1300	4	0.005	0.05	0.001	155	1	140	Saprolite
HX000764	QGI29	22	23	8.01	0.05	3	240	120	2350	50	7	1300	0.01	1250	0.02	0.005	0.05	0.001	170	1	70	Saprolite
HX000765	QGI29	23	24	8.29	0.05	2	95	120	2450	45	6	960	0.01	1200	8	0.005	0.15	0.001	170	1	60	Saprolite
HX000766	QGI29	24	25	7.29	0.05	9	60	75	2300	35	5	1100	0.01	1050	4	0.005	0.15	0.1	170	2	70	Fresh rock
HX000767	QGI29	25	26	7.15	0.05	7	105	70	2250	35	4	1300	0.01	1150	20	0.005	0.15	0.3	160	2	50	Fresh rock
HX000768	QGI29	26	27	7.15	0.05	2	115	85	1950	20	5	1300	0.01	1200	2	0.005	0.1	0.1	150	1	50	Fresh rock
HX000425	QGI3	0	1	20.59	15	28	1200	65	730	110	31	3900	6	135	42	2.5	16.3	3.1	455	27	80	Clay-rich Colluvium
HX000426	QGI3	1	2	14.87	15	144	1100	40	510	95	29	1100	4	160	30	1.5	10.6	1.9	355	42	70	Gravelly Colluvium
HX000427	QGI3	2	3	22.88	20	94	720	35	1000	100	31	1100	4	160	22	1.5	11.5	1.2	600	21	50	Clay-rich Colluvium
HX000428	QGI3	3	4	19.59	10	30	680	30	940	100	28	750	4	175	16	1	11.5	0.9	510	15	50	Clay-rich Colluvium
HX000429	QGI3	4	5	18.01	10	28	235	25	1250	100	25	570	2	220	14	0.5	10.6	1.2	445	13	40	Gravelly Colluvium
HX000430	QGI3	5	6	10.15	10	19	710	30	630	80	27	770	4	255	24	2.5	9.5	1.3	260	12	40	Interface
HX000769	QGI31	0	1	11.29	10	22	540	25	520	75	19	495	4	160	12	0.005	11.3	1.9	260	15	50	Clay-rich Colluvium
HX000770	QGI31	1	2	17.44	15	29	475	20	640	80	20	380	4	120	12	1.5	9.6	1.2	425	8	50	Clay-rich Colluvium
HX000771	QGI31	2	3	18.16	15	50	420	35	900	110	25	830	4	170	14	0.5	9.5	1	570	14	60	Clay-rich Colluvium
HX000772	QGI31	3	4	16.30	15	73	250	25	980	85	23	530	5	190	8	1	8.5	1	415	12	50	Clay-rich Colluvium

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000773	QGI31	4	5	7.58	5	158	220	25	570	75	22	590	4	270	14	0.5	8.5	1.2	215	12	40	Interface
HX000774	QGI31	5	6	6.00	5	47	390	15	345	55	18	220	2	145	22	0.5	8.3	2.1	190	8	40	Clay saprolite
HX000775	QGI31	6	7	3.29	0.05	23	560	5	230	20	17	110	3	75	2	1.5	8	1.8	185	8	20	Clay saprolite
HX000776	QGI31	7	8	6.58	5	18	610	10	275	65	21	95	3	105	36	1	10.6	1.8	230	12	30	Clay saprolite
HX000777	QGI31	8	9	5.00	0.05	45	570	5	375	40	23	45	1	110	42	0.5	12	1.9	180	12	30	Clay saprolite
HX000778	QGI31	9	10	9.15	20	28	550	15	265	70	23	145	0.01	175	8	2	11.2	1.7	255	12	50	Clay saprolite
HX000779	QGI31	10	11	6.72	10	8	720	15	225	55	23	100	0.01	135	6	1	11.3	1.6	240	12	50	Clay saprolite
HX000780	QGI31	11	12	7.29	25	30	465	20	335	50	18	190	1	175	10	4	8.6	1.5	235	8	40	Clay saprolite
HX000781	QGI33	0	1	15.30	15	132	580	35	740	75	22	1900	5	145	18	1	12.7	2.2	380	22	70	Clay-rich Colluvium
HX000782	QGI33	1	2	9.15	10	56	520	25	340	65	21	560	5	125	8	0.5	8.9	1.5	240	17	60	Clay-rich Colluvium
HX000783	QGI33	2	3	24.88	20	39	530	25	1300	120	27	580	3	185	14	1	9.9	1.1	710	13	60	Clay-rich Colluvium
HX000784	QGI33	3	4	14.01	10	71	390	25	1550	75	24	670	4	255	30	1	9.2	1	370	10	50	Clay-rich Colluvium
HX000785	QGI33	4	5	6.72	5	91	170	30	680	55	20	720	4	360	8	0.005	6.8	1.1	180	7	50	Clay-rich Colluvium
HX000786	QGI33	5	6	9.01	15	110	100	40	1400	60	13	360	3	650	6	1.5	3.6	0.8	155	3	50	Interface
HX000787	QGI33	6	7	12.30	25	89	75	50	2850	70	10	270	1	860	6	2.5	2.3	0.7	245	2	40	Mottled Zone
HX000788	QGI33	7	8	8.58	15	16	110	40	1900	60	9	275	0.01	750	4	1.5	1.9	0.9	165	3	40	Saprolite
HX000789	QGI33	8	9	10.44	10	17	95	55	2800	100	5	250	0.01	990	8	1.5	0.75	0.7	170	2	70	Saprolite
HX000790	QGI33	9	10	9.01	10	4	60	55	2050	180	5	240	0.01	910	12	1	0.4	0.5	120	2	50	Saprolite
HX000791	QGI33	10	11	10.01	15	24	55	60	2300	200	5	265	0.01	1050	2	1	0.35	0.4	160	2	60	Saprolite
HX000792	QGI33	11	12	10.29	10	11	55	60	2350	90	5	280	0.01	1100	0.02	1	0.2	0.3	150	2	50	Saprolite
HX000793	QGI33	12	13	10.87	15	10	40	60	2350	55	5	330	0.01	920	0.02	1	0.15	0.5	155	2	40	Saprolite
HX000794	QGI33	13	14	9.15	10	8	30	60	2450	45	5	190	0.01	1050	0.02	0.5	0.15	0.6	150	3	40	Saprolite
HX000795	QGI33	14	15	9.86	10	8	275	60	2500	70	5	180	0.01	980	2	1	0.0005	0.7	140	2	40	Saprolite
HX000796	QGI33	15	16	8.58	10	8	1000	60	1950	70	4	240	0.01	950	4	1	0.0005	0.7	130	2	50	Saprolite
HX000797	QGI33	16	17	9.44	10	10	445	85	2250	95	6	920	0.01	1300	52	1	0.1	0.8	125	3	70	Saprolite
HX000798	QGI33	17	18	9.15	5	2	440	130	2550	85	6	1650	0.01	1750	20	0.5	0.0005	0.6	145	8	110	Saprolite
HX000799	QGI33	18	19	9.58	5	6	720	170	2450	50	6	2750	0.01	1850	6	0.5	0.0005	0.1	140	4	100	Saprolite
HX000800	QGI33	19	20	8.86	5	4	2350	155	2300	35	6	3400	0.01	1700	0.02	5.5	0.05	0.1	145	4	90	Saprolite
HX000801	QGI33	20	21	9.01	5	7	600	120	2350	20	6	1950	0.01	1600	0.02	0.5	0.0005	0.001	130	3	80	Saprolite
HX000802	QGI33	21	22	9.01	0.05	10	425	105	2400	20	6	1550	0.01	1500	0.02	0.5	0.0005	0.001	145	2	70	Saprolite
HX000803	QGI33	22	23	9.29	0.05	0.01	900	95	2300	10	5	880	0.01	1600	0.02	0.5	0.1	0.1	145	2	70	Fresh rock
HX000804	QGI33	23	24	8.86	0.05	4	490	110	2600	10	6	1750	0.01	1600	0.02	0.5	0.0005	0.001	135	2	60	Fresh rock
HX000805	QGI33	24	25	7.01	0.05	4	910	80	1800	10	4	2000	0.01	1200	0.02	0.5	0.1	0.3	105	12	50	Fresh rock
HX000806	QGI33	25	26	8.15	0.05	4	730	95	2500	5	5	1100	0.01	1450	0.02	0.005	0.0005	0.001	135	4	70	Fresh rock
HX000807	QGI33	26	27	8.15	5	77	430	90	2250	35	4	1050	0.01	1350	0.02	0.5	0.0005	0.1	150	2	70	Fresh rock
HX000808	QGI35	0	1	15.44	20	14	390	20	710	70	20	1100	6	100	20	1	15	2.6	340	15	50	Clay-rich Colluvium
HX000809	QGI35	1	2	17.44	15	26	610	20	630	80	22	435	6	120	14	1	11	1.7	405	15	50	Clay-rich Colluvium
HX000810	QGI35	2	3	19.30	15	42	460	25	790	105	21	410	5	145	12	1	9.1	1.1	480	13	50	Clay-rich Colluvium
HX000811	QGI35	3	4	22.16	15	114	385	25	1100	105	23	560	4	200	12	1	10.4	1.1	550	15	50	Clay-rich Colluvium

QUASAR

SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000812	QGI35	4	5	23.88	20	53	355	30	1650	100	25	660	4	270	10	1	8.9	1	570	11	40	Clay-rich Colluvium
HX000813	QGI35	5	6	10.72	15	74	405	30	770	70	19	660	4	325	20	0.5	9.6	1	245	10	50	Clay-rich Colluvium
HX000814	QGI35	6	7	7.15	10	66	640	30	475	40	24	600	4	315	16	1.5	9	1.2	110	11	30	Interface
HX000815	QGI35	7	8	2.86	0.05	58	475	5	90	15	20	105	2	50	16	0.5	5.3	0.8	50	5	20	Saprolite
HX000816	QGI35	8	9	1.86	0.05	18	540	5	55	10	22	55	2	35	18	0.5	5.2	1	35	4	20	Saprolite
HX000817	QGI37	0	1	17.73	20	20	720	40	570	75	23	2550	6	95	32	1.5	24	3.1	370	18	60	Clay-rich Colluvium
HX000818	QGI37	1	2	14.58	15	25	360	20	495	80	22	480	3	115	14	0.5	12.1	2.1	345	20	60	Clay-rich Colluvium
HX000819	QGI37	2	3	15.30	15	41	425	25	560	95	24	450	4	155	10	1	8.6	1	380	15	50	Clay-rich Colluvium
HX000820	QGI37	3	4	27.31	20	43	510	25	1200	110	27	520	4	175	16	1	10.5	1	630	15	50	Clay-rich Colluvium
HX000821	QGI37	4	5	16.73	15	30	345	25	980	95	21	530	2	245	10	0.5	9.2	1.1	370	12	40	Clay-rich Colluvium
HX000822	QGI37	5	6	19.30	20	122	670	50	1950	70	22	1200	5	370	28	3	14.4	1.6	400	17	30	Clay-rich Colluvium
HX000823	QGI37	6	7	5.15	5	92	1750	70	195	55	41	840	4	210	22	0.005	7.4	1.7	350	42	30	Interface
HX000824	QGI39	0	1	19.02	25	14	660	35	720	85	21	2000	5	105	28	1.5	15.8	2.7	405	23	60	Clay-rich Colluvium
HX000825	QGI39	1	2	12.01	15	36	420	25	400	80	22	750	4	160	32	1	10.2	1.5	265	31	60	Clay-rich Colluvium
HX000826	QGI39	2	3	24.73	25	81	425	25	1050	125	25	620	3	150	42	1	10.6	1.2	600	14	60	Clay-rich Colluvium
HX000827	QGI39	3	4	26.88	25	31	590	30	1500	110	25	420	3	205	12	1	9.3	1	630	12	50	Clay-rich Colluvium
HX000828	QGI39	4	5	14.15	10	26	235	55	690	95	22	990	4	325	8	1	7.8	0.9	365	26	40	Clay-rich Colluvium
HX000829	QGI39	5	6	28.02	35	128	530	30	3250	75	23	440	3	370	20	1.5	12.9	1.3	620	10	40	Clay-rich Colluvium
HX000830	QGI39	6	7	8.44	10	77	3500	30	425	40	24	290	4	330	10	1	8.7	1.1	190	14	20	Interface
HX000831	QGI39	7	8	8.29	10	23	400	15	270	35	22	190	2	115	10	0.005	5.6	1.1	195	8	20	Ferruginous saprolite
HX000832	QGI39	8	9	7.15	5	17	495	10	190	25	20	270	2	55	12	0.005	4.3	0.7	175	7	20	Ferruginous saprolite
HX000833	QGI39	9	10	5.15	10	7	425	5	135	30	20	80	2	40	30	0.5	4.2	1	130	8	10	Ferruginous saprolite
HX000834	QGI39	10	11	6.00	5	49	435	5	150	25	20	110	1	40	12	0.5	4.4	1.1	150	7	20	Ferruginous saprolite
HX000835	QGI39	11	12	5.72	0.05	36	385	5	135	30	19	75	1	40	12	0.005	4.5	1.2	145	7	20	Ferruginous saprolite
HX000836	QGI39	12	13	4.43	5	425	385	10	140	25	19	60	2	60	6	0.5	3.9	0.8	130	6	30	Mottled Zone
HX000837	QGI39	13	14	5.29	15	570	295	15	155	25	20	105	1	80	8	0.5	4.2	0.9	135	6	50	Mottled Zone
HX000431	QGI4	0	1	14.87	15	13	970	40	630	95	29	1850	3	110	38	0.005	15.9	2.5	350	29	60	Clay-rich Colluvium
HX000432	QGI4	1	2	11.29	10	26	920	40	315	85	28	1250	6	135	22	1	12.4	1.8	280	28	70	Gravelly Colluvium
HX000433	QGI4	2	3	18.30	15	66	465	30	660	115	26	580	4	150	26	1.5	10.9	1.4	455	12	80	Clay-rich Colluvium
HX000434	QGI4	3	4	14.30	15	37	335	35	670	105	25	720	5	220	30	1	10.9	1.2	380	17	70	Clay-rich Colluvium
HX000435	QGI4	4	5	18.59	10	24	285	25	1100	115	25	550	4	225	20	1	10.4	1.1	495	11	70	Gravelly Colluvium
HX000436	QGI4	5	6	11.01	15	13	275	35	790	85	21	790	5	260	22	2	10.6	1.5	285	11	60	Gravelly Colluvium
HX000437	QGI4	6	7	4.43	10	15	1250	15	170	45	28	450	3	125	20	3	7.1	1.3	125	10	50	Interface
HX000438	QGI4	7	8	2.57	10	7	870	15	55	35	27	220	2	45	22	2.5	6.8	1.2	95	10	80	Clay saprolite
HX000439	QGI5	0	1	17.01	15	25	680	30	660	95	27	1000	4	110	26	1	13.6	2.7	410	27	90	Clay-rich Colluvium
HX000440	QGI5	1	2	15.58	0.05	16	590	20	485	90	25	640	4	120	20	2	13	1.9	355	18	90	Clay-rich Colluvium
HX000441	QGI5	2	3	21.45	20	45	520	25	890	115	27	620	3	145	20	1.5	11.8	1.2	560	17	80	Clay-rich Colluvium
HX000442	QGI5	3	4	25.02	15	35	550	25	1450	135	29	500	4	175	28	1.5	10.9	1.4	700	15	70	Gravelly Colluvium
HX000443	QGI5	4	5	12.30	15	46	215	25	720	100	23	580	5	260	16	1.5	10.4	1.1	345	14	60	Gravelly Colluvium

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HX000444	QGI5	5	6	14.15	20	31	355	25	1050	85	21	570	4	225	14	2	8.7	1.1	365	19	50	Interface
HX000445	QGI5	6	7	4.15	5	1460	780	15	170	60	26	530	3	135	22	2.5	7.7	1.3	105	8	50	Saprolite
HX000446	QGI5	7	8	2.43	0.05	890	570	0.05	55	20	24	75	1	30	18	1	5.7	1	65	5	50	Saprolite
HX000447	QGI5	8	9	2.43	0.05	1030	580	0.05	35	25	25	150	1	25	20	1	5.3	1.1	70	5	50	Saprolite
HX000916	QGI53	0	1	18.73	20	31	445	25	880	85	18	1000	4	120	16	1	11.5	2.2	410	23	50	Clay-rich Colluvium
HX000917	QGI53	1	2	20.02	10	50	445	25	810	100	20	465	3	145	10	0.5	8	1.1	485	21	60	Clay-rich Colluvium
HX000918	QGI53	2	3	23.59	30	45	385	25	1000	115	23	600	3	140	14	1	9.2	1	560	14	50	Gravelly Colluvium
HX000919	QGI53	3	4	19.87	10	84	260	20	1150	90	22	590	4	155	10	1	8.8	1.1	480	12	50	Gravelly Colluvium
HX000920	QGI53	4	5	12.44	10	63	200	20	760	80	19	390	4	195	8	1	7.3	1.1	325	9	40	Clay-rich Colluvium
HX000921	QGI53	5	6	4.15	0.05	81	295	10	180	35	20	285	2	90	6	1.5	4.4	1.1	130	7	30	Interface
HX000922	QGI53	6	7	3.00	0.05	35	325	5	105	20	20	285	1	45	6	1.5	3.5	1	85	6	20	Clay saprolite
HX000923	QGI53	7	8	3.72	0.05	6	305	5	100	20	18	300	1	50	6	1.5	3.6	1.2	75	6	30	Clay saprolite
HX000924	QGI53	8	9	3.15	0.05	0.01	280	10	70	15	18	155	0.01	45	4	1.5	3	1	75	6	40	Clay saprolite
HX000925	QGI53	9	10	2.86	0.05	0.01	340	10	55	20	18	100	0.01	50	26	1	3.2	0.7	65	6	50	Clay saprolite
HX000926	QGI53	10	11	2.57	0.05	0.01	325	10	50	0.05	17	65	0.01	40	2	1	2.8	0.6	65	6	70	Clay saprolite
HX000927	QGI53	11	12	2.86	0.05	0.01	250	15	50	30	18	75	0.01	90	4	1	2.9	0.7	70	7	60	Clay saprolite
HX000928	QGI53	12	13	2.57	0.05	0.01	235	15	50	0.05	17	110	1	45	4	0.5	2.9	0.7	65	8	60	Clay saprolite
HX000929	QGI53	13	14	2.43	0.05	0.01	265	15	45	0.05	17	140	0.01	45	4	0.5	2.8	0.6	65	9	60	Saprolite
HX000930	QGI53	14	15	2.29	5	0.01	310	15	45	0.05	17	235	0.01	50	2	0.5	2.6	0.7	65	7	50	Saprolite
HX000931	QGI53	15	16	2.43	0.05	0.01	355	10	40	0.05	17	100	1	50	0.02	0.005	2.7	0.5	65	6	60	Saprolite
HX000932	QGI53	16	17	2.57	0.05	0.01	260	10	45	0.05	17	95	1	50	0.02	0.5	2.7	0.6	45	6	50	Saprolite
HX000933	QGI53	17	18	2.57	0.05	0.01	230	15	45	5	17	90	0.01	50	0.02	0.005	2.7	0.6	45	6	60	Saprolite
HX000934	QGI53	18	19	2.86	0.05	2	315	10	60	0.05	17	60	1	50	0.02	0.5	2.8	0.6	55	6	50	Saprolite
HX000935	QGI53	19	20	2.57	0.05	0.01	255	10	40	0.05	17	75	0.01	50	2	0.5	2.5	0.5	55	5	40	Saprolite
HX000936	QGI53	20	21	2.29	0.05	2	220	10	40	0.05	15	135	1	50	0.02	0.5	2.6	0.5	55	5	40	Saprolite
HX000937	QGI53	21	22	2.57	0.05	6	320	15	45	10	16	170	0.01	45	0.02	0.005	2.8	0.5	55	5	40	Saprolite
HX000893	QGI55	0	1	17.16	10	14	640	30	790	75	19	1700	3	100	20	0.5	12.3	2.4	385	23	50	Clay-rich Colluvium
HX000894	QGI55	1	2	10.58	5	39	445	15	340	65	19	335	4	105	12	0.5	9.1	1.6	230	13	70	Clay-rich Colluvium
HX000895	QGI55	2	3	17.30	10	54	465	25	740	95	21	560	4	155	10	1	8.8	1	420	17	60	Clay-rich Colluvium
HX000896	QGI55	3	4	18.87	10	41	345	25	1200	105	22	640	4	190	10	1	7.8	1	475	12	60	Clay-rich Colluvium
HX000897	QGI55	4	5	16.01	10	70	240	20	1050	80	20	410	5	195	8	1	7.8	0.9	370	9	50	Clay-rich Colluvium
HX000898	QGI55	5	6	10.44	0.05	21	290	25	255	40	19	235	2	120	4	1	5.7	0.7	225	8	50	Clay-rich Colluvium
HX000899	QGI55	6	7	8.86	0.05	2	225	20	145	30	15	175	2	85	2	1.5	4.6	0.9	175	7	30	Interface
HX000900	QGI55	7	8	10.58	10	27	175	15	230	25	16	90	1	75	0.02	2.5	3.7	1	220	5	20	Mottled Zone
HX000901	QGI55	8	9	8.86	5	3	410	25	150	30	15	160	1	85	0.02	1.5	3.1	0.7	180	6	30	Mottled Zone
HX000902	QGI55	9	10	9.86	10	6	90	20	160	30	16	95	1	80	0.02	1.5	3.3	0.9	200	5	30	Saprolite
HX000903	QGI55	10	11	9.29	5	7	100	20	150	20	16	90	0.01	75	0.02	0.005	3.1	0.6	180	5	30	Saprolite
HX000904	QGI55	11	12	8.72	5	10	125	20	120	55	17	95	1	130	4	3.5	3.4	0.8	170	6	30	Saprolite
HX000905	QGI55	12	13	8.58	5	0.01	870	25	130	35	17	115	0.01	95	4	2	3.1	0.6	165	6	40	Saprolite

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HX000906	QGI55	13	14	8.58	0.05	0.01	1150	35	150	25	16	160	0.01	120	0.02	1	2.8	0.6	175	6	60	Saprolite
HX000907	QGI55	14	15	8.44	5	0.01	180	40	140	30	16	160	0.01	125	4	1.5	3	0.5	180	6	70	Saprolite
HX000908	QGI55	15	16	8.44	0.05	3	195	45	140	35	16	155	0.01	145	2	0.5	2.9	0.6	170	7	80	Saprolite
HX000909	QGI55	16	17	8.29	0.05	0.01	230	50	150	45	16	175	0.01	190	0.02	0.5	3.1	0.6	180	12	70	Saprolite
HX000910	QGI55	17	18	8.29	0.05	39	265	55	140	40	16	350	0.01	255	2	0.005	2.8	0.5	170	14	70	Saprolite
HX000911	QGI55	18	19	8.15	5	4	165	45	125	35	16	205	0.01	195	0.02	0.005	3.2	0.5	170	10	60	Saprolite
HX000912	QGI55	19	20	8.58	0.05	6	290	45	120	40	17	260	1	180	2	0.005	2.9	0.6	190	10	70	Saprolite
HX000913	QGI55	20	21	8.58	0.05	4	260	45	125	30	17	230	0.01	180	0.02	0.005	3.2	0.6	170	10	60	Saprolite
HX000914	QGI55	21	22	8.86	0.05	56	210	50	135	45	17	315	0.01	190	2	0.005	3	0.7	170	10	60	Saprolite
HX000915	QGI55	22	23	8.44	0.05	78	285	60	140	40	16	700	0.01	190	18	0.005	3.1	0.8	165	9	70	Saprolite
HX000876	QGI57	0	1	0.57	0.05	38	5	15	10	90	0.01	25	0.01	690	16	0.005	0.0005	0.2	15	0.01	50	Clay-rich Colluvium
HX000877	QGI57	1	2	16.58	10	51	670	30	630	80	19	980	5	140	18	1.5	9.8	1.5	385	29	60	Clay-rich Colluvium
HX000878	QGI57	2	3	23.73	20	74	330	25	860	100	20	500	4	120	12	1.5	8.7	1.1	530	11	60	Clay-rich Colluvium
HX000879	QGI57	3	4	24.30	20	70	510	25	1600	100	23	470	3	165	12	3.5	9.6	1	600	9	50	Gravelly Colluvium
HX000880	QGI57	4	5	26.31	15	68	410	25	2350	85	24	400	4	210	12	2	9.9	1	600	8	50	Interface
HX000881	QGI57	5	6	9.29	5	29	290	25	320	45	19	570	3	165	4	1	5.9	0.8	205	7	40	Mottled Zone
HX000882	QGI57	6	7	6.86	5	9	375	10	125	25	20	155	1	90	10	1	3.9	0.8	160	7	20	Mottled Zone
HX000883	QGI57	7	8	6.29	0.05	13	405	10	110	20	19	175	1	80	2	1	3.9	0.5	160	5	20	Mottled Zone
HX000884	QGI57	8	9	7.15	0.05	3	340	10	85	45	18	175	0.01	70	2	0.005	4.3	0.5	170	6	30	Mottled Zone
HX000885	QGI57	9	10	7.15	5	3	260	15	105	35	15	190	0.01	75	0.02	0.5	3.6	0.8	145	7	30	Saprolite
HX000886	QGI57	10	11	6.86	10	3	920	15	100	35	17	125	1	65	2	1.5	3.3	0.6	145	5	40	Saprolite
HX000887	QGI57	11	12	6.00	15	5	380	15	60	25	18	105	0.01	55	4	0.5	3.1	0.8	125	6	40	Saprolite
HX000888	QGI57	12	13	5.86	10	3	375	10	50	25	18	95	1	50	2	1	3.1	0.7	130	6	40	Saprolite
HX000889	QGI57	13	14	5.86	10	2	445	15	60	25	19	110	0.01	70	2	0.5	3.6	0.9	130	7	70	Saprolite
HX000890	QGI57	14	15	5.86	10	8	410	30	55	30	18	395	2	95	6	1	3.4	0.6	135	8	100	Saprolite
HX000891	QGI57	15	16	6.15	5	7	380	35	65	35	18	495	2	130	4	1.5	3.4	0.6	140	8	90	Saprolite
HX000892	QGI57	16	17	5.29	15	19	760	55	50	35	19	1750	0.01	100	4	1	3.3	0.7	145	8	70	Saprolite
HX000856	QGI59	0	1	17.87	20	20	400	25	830	65	22	1000	2	110	20	0.5	15.1	2.5	380	28	50	Clay-rich Colluvium
HX000857	QGI59	1	2	10.87	10	51	560	20	400	70	20	495	4	130	10	1	9.6	1.4	250	23	60	Clay-rich Colluvium
HX000858	QGI59	2	3	20.44	25	43	300	25	850	105	24	475	4	135	12	0.005	8.8	1.1	570	13	50	Gravelly Colluvium
HX000859	QGI59	3	4	23.59	20	79	405	25	1600	100	25	780	4	190	12	0.5	9.9	1.1	580	11	40	Clay-rich Colluvium
HX000860	QGI59	4	5	13.30	15	76	220	30	1500	70	22	600	4	335	8	2	8.5	1	320	9	50	Clay-rich Colluvium
HX000861	QGI59	5	6	9.01	10	47	260	55	1700	60	13	420	2	550	48	1	3.2	0.8	200	4	40	Interface
HX000862	QGI59	6	7	8.86	10	5	1950	45	1950	35	9	250	0.01	530	0.02	1	1.7	0.7	215	3	40	Mottled Zone
HX000863	QGI59	7	8	8.86	10	0.01	880	40	1800	25	6	210	0.01	435	0.02	1	0.6	0.6	210	2	30	Mottled Zone
HX000864	QGI59	8	9	9.15	10	6	1100	45	2150	35	6	240	0.01	530	4	1	0.35	0.8	200	2	40	Saprolite
HX000865	QGI59	9	10	9.01	10	11	920	50	2400	35	6	235	0.01	620	0.02	1	0.2	0.8	195	2	50	Saprolite
HX000866	QGI59	10	11	11.15	20	32	400	65	2400	45	6	245	0.01	650	2	2	0.35	0.9	210	3	50	Saprolite
HX000867	QGI59	11	12	9.72	10	63	225	65	2300	35	6	225	0.01	680	8	1	0.3	0.7	165	4	70	Saprolite

QUASAR

SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000868	QGI59	12	13	13.15	30	20	105	115	2100	45	5	540	0.01	1050	14	1	0.15	0.6	170	10	100	Saprolite
HX000869	QGI59	13	14	11.29	25	32	630	210	2550	45	6	2950	0.01	1150	16	2	0.1	0.5	175	9	110	Saprolite
HX000870	QGI59	14	15	8.44	15	34	770	155	2500	35	8	3050	0.01	1100	66	2	0.3	0.4	165	5	130	Saprolite
HX000871	QGI59	15	16	13.15	45	22	260	135	2700	35	10	1300	0.01	1350	10	3.5	0.2	0.6	220	5	160	Saprolite
HX000872	QGI59	16	17	6.29	20	46	230	70	470	20	14	940	0.01	440	4	1.5	8.8	1	140	11	70	Saprolite
HX000873	QGI59	17	18	7.58	15	13	810	135	290	80	17	3300	1	410	4	2.5	5.7	0.9	170	11	90	Saprolite
HX000874	QGI59	18	19	7.58	15	9	300	80	920	60	17	1400	2	495	4	2	7.3	1	180	11	120	Saprolite
HX000875	QGI59	19	20	7.86	20	31	340	55	305	35	17	1000	1	290	8	1	5.6	0.8	175	11	60	Saprolite
HX000240	QGI6	0	1	16.30	15	16	470	45	670	75	28	1700	3	80	32	0.005	15.8	3.1	355	13	60	Gravelly Colluvium
HX000241	QGI6	1	2	11.29	10	25	610	25	405	75	30	630	3	135	12	0.005	9.2	1.6	285	28	70	Clay-rich Colluvium
HX000242	QGI6	2	3	23.73	20	48	370	20	1050	105	29	455	3	120	16	0.005	8.7	1.2	650	11	50	Gravelly Colluvium
HX000243	QGI6	3	4	23.02	20	63	285	25	1350	105	30	465	4	175	16	0.005	10.2	1.4	560	13	60	Gravelly Colluvium
HX000244	QGI6	4	5	14.87	20	60	235	25	1050	90	28	435	1	235	14	0.005	9	1.2	340	13	50	Gravelly Colluvium
HX000245	QGI6	5	6	17.87	15	19	1000	30	1850	70	40	495	3	260	16	2.5	9.8	1.5	465	12	40	Interface
HX000246	QGI6	6	7	2.43	0.05	8	620	10	55	15	33	130	2	75	18	0.5	5.4	1.6	70	11	40	Saprolite
HX000247	QGI6	7	8	3.43	5	5	495	10	150	15	30	125	1	60	20	1	5.3	1.6	95	8	40	Saprolite
HX000850	QGI61	0	1	10.87	20	102	890	30	500	80	20	690	2	235	18	0.005	7.9	1.2	255	13	40	Clay-rich Colluvium
HX000851	QGI61	1	2	19.73	20	54	410	30	1650	90	24	590	4	265	10	1.5	9.3	1.1	485	14	40	Clay-rich Colluvium
HX000852	QGI61	2	3	19.30	15	34	425	20	970	100	24	370	4	180	10	0.5	9.1	0.9	495	10	50	Clay-rich Colluvium
HX000853	QGI61	3	4	21.30	20	79	460	20	830	100	24	445	3	150	14	1	8.7	1.1	510	16	50	Clay-rich Colluvium
HX000854	QGI61	4	5	15.15	15	41	590	25	550	85	21	630	3	135	12	0.5	9.9	1.3	350	21	50	Clay-rich Colluvium
HX000855	QGI61	5	6	19.73	20	55	570	30	850	90	22	1250	5	115	40	1	14.2	2.5	455	25	70	Interface
HX000844	QGI63	0	1	19.73	20	39	630	25	850	75	22	1200	3	110	20	1	14.3	2	445	26	50	Clay-rich Colluvium
HX000845	QGI63	1	2	15.30	15	46	530	25	550	80	21	640	3	135	16	0.5	10.9	1.7	360	22	50	Clay-rich Colluvium
HX000846	QGI63	2	3	18.59	20	69	490	20	780	105	23	480	3	145	12	1	9.4	1.1	445	18	50	Clay-rich Colluvium
HX000847	QGI63	3	4	21.73	10	54	790	25	1350	90	25	570	3	205	12	0.005	8.9	1	510	15	40	Clay-rich Colluvium
HX000848	QGI63	4	5	25.02	20	79	425	25	2300	90	24	780	3	265	14	0.5	9.9	1.2	600	12	40	Gravelly Colluvium
HX000849	QGI63	5	6	10.29	10	34	880	45	435	60	21	1900	3	305	16	1	7.9	1.1	250	20	30	Interface
HX000838	QGI65	0	1	14.87	15	29	450	15	600	70	21	610	3	100	20	0.005	11.4	2.1	315	20	50	Clay-rich Colluvium
HX000839	QGI65	1	2	17.44	20	78	490	25	680	85	22	480	4	145	12	0.005	9.6	1.2	410	22	50	Clay-rich Colluvium
HX000840	QGI65	2	3	19.02	15	61	415	25	700	100	23	570	1	150	12	0.005	8.3	1	400	16	50	Clay-rich Colluvium
HX000841	QGI65	3	4	21.45	15	32	280	25	1650	85	23	465	4	260	10	1.5	9	1	510	11	30	Clay-rich Colluvium
HX000842	QGI65	4	5	26.88	25	600	440	20	1300	105	25	400	4	155	18	1.5	10.5	1.1	660	10	50	Clay-rich Colluvium
HX000843	QGI65	5	6	13.15	15	81	940	30	770	65	20	1000	4	275	28	1.5	10.3	1.2	300	12	30	Interface
HX000448	QGI7	0	1	16.58	15	31	560	35	670	90	24	1200	4	100	28	0.5	17.3	2.8	375	26	80	Gravelly Colluvium
HX000449	QGI7	1	2	14.15	10	49	1100	30	420	95	28	1200	5	140	24	1	11.1	1.8	355	23	90	Clay-rich Colluvium
HX000450	QGI7	2	3	26.02	15	45	510	25	1100	135	28	495	2	150	50	1	11.8	1.3	690	15	80	Gravelly Colluvium
HX000451	QGI7	3	4	15.15	10	37	370	30	850	105	25	620	4	180	14	1	10.1	0.9	430	13	70	Gravelly Colluvium
HX000452	QGI7	4	5	23.16	20	51	290	25	1750	110	26	480	5	235	16	1.5	13	1.4	630	11	60	Gravelly Colluvium

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SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000453	QGI7	5	6	8.86	15	78	770	35	700	60	28	710	5	340	12	3.5	10.2	1.2	225	15	40	Interface
HX000454	QGI7	6	7	3.72	5	162	570	15	190	35	29	225	3	145	12	3	6.9	1.2	100	12	40	Saprolite
HX000455	QGI7	7	8	1.43	0.05	16	630	0.05	25	10	27	30	2	15	12	2	3.9	0.8	50	3	30	Saprolite
HX000456	QGI7	8	9	2.14	0.05	14	610	0.05	20	15	26	30	2	15	12	1.5	5.7	0.9	65	4	40	Saprolite
HX000457	QGI7	9	10	1.86	0.05	3	610	0.05	15	10	26	30	2	10	12	2	6.1	0.9	80	4	40	Saprolite
HX000458	QGI7	10	11	1.86	0.05	372	520	0.05	20	15	25	30	2	15	12	1.5	5.9	0.8	70	4	50	Clay saprolite
HX000459	QGI7	11	12	2.29	0.05	21	770	5	15	20	27	35	2	15	12	0.5	6.1	1	60	4	50	Clay saprolite
HX000460	QGI7	12	13	2.14	0.05	15	740	5	15	25	27	50	1	15	16	0.5	5.3	0.8	70	4	50	Clay saprolite
HX000461	QGI7	13	14	2.14	0.05	2	680	5	20	20	25	50	1	15	12	1	5.6	0.9	70	4	60	Clay saprolite
HX000462	QGI7	14	15	1.86	0.05	196	650	5	20	15	25	40	1	30	14	1.5	6.1	1.1	60	5	50	Clay saprolite
HX000463	QGI7	15	16	1.14	0.05	41	630	0.05	25	10	26	20	2	20	40	1.5	7.6	1	65	5	30	Saprolite
HX000464	QGI7	16	17	1.00	0.05	7	710	0.05	20	15	28	10	2	25	22	1	8.4	1.3	65	6	20	Saprolite
HX000465	QGI7	17	18	0.86	0.05	26	530	0.05	25	20	25	15	1	25	48	1	8.1	1.4	70	6	30	Saprolite
HX000466	QGI7	18	19	2.00	0.05	6	560	0.05	15	20	25	30	2	20	32	2	6.9	2.1	70	9	50	Saprolite
HX000467	QGI7	19	20	2.14	0.05	3	600	0.05	15	15	26	35	2	20	22	2	5	1.6	65	7	60	Saprolite
HX000468	QGI7	20	21	1.14	0.05	0.01	530	0.05	15	10	23	15	2	10	18	1.5	4.5	0.9	60	6	40	Clay saprolite
HX000938	QGI79	0	1	14.30	15	130	580	25	720	70	18	960	5	110	18	1	12.3	2.1	360	16	50	Clay-rich Colluvium
HX000939	QGI79	1	2	13.58	10	33	440	25	620	85	19	800	5	140	16	1	12.5	1.7	380	21	60	Clay-rich Colluvium
HX000940	QGI79	2	3	18.44	10	65	320	25	800	90	22	530	3	160	10	0.5	8.6	1	490	14	40	Clay-rich Colluvium
HX000941	QGI79	3	4	16.73	10	54	325	30	1350	90	23	530	3	235	10	1	9.2	1	445	13	50	Clay-rich Colluvium
HX000942	QGI79	4	5	10.01	5	87	540	290	1300	60	13	2900	2	1150	4	1.5	4.2	0.6	200	8	80	Interface
HX000943	QGI79	5	6	9.01	0.05	16	180	275	2150	35	6	1250	0.01	1900	0.02	1	0.95	0.3	130	4	110	Saprolite
HX000944	QGI79	6	7	8.58	10	32	110	275	2000	40	7	940	0.01	1750	0.02	2	1.2	0.4	130	4	80	Saprolite
HX000945	QGI79	7	8	7.29	5	10	40	205	1650	30	6	450	0.01	1650	0.02	2	1.1	0.5	120	6	70	Saprolite
HX000946	QGI79	8	9	10.29	15	4	265	225	1900	25	4	495	0.01	1750	0.02	3	0.4	0.4	125	5	70	Saprolite
HX000947	QGI79	9	10	11.44	15	6	130	235	1850	25	4	650	0.01	1800	0.02	3	0.2	0.4	120	5	70	Saprolite
HX000948	QGI79	10	11	11.58	20	6	100	150	1850	20	3	310	0.01	1450	0.02	3.5	0.35	0.6	135	6	50	Saprolite
HX000949	QGI79	11	12	17.59	30	19	25	140	2200	25	3	390	0.01	1650	0.02	3	0.4	0.5	155	8	60	Saprolite
HX000950	QGI79	12	13	12.87	25	8	85	285	2650	20	4	990	0.01	2000	0.02	5.5	0.7	0.4	150	6	80	Saprolite
HX000951	QGI79	13	14	8.29	15	37	120	230	2250	25	4	630	0.01	1850	0.02	3.5	0.4	0.3	125	5	70	Saprolite
HX000952	QGI79	14	15	7.01	15	15	70	240	2250	20	4	590	0.01	2050	0.02	4.5	0.7	0.2	155	2	60	Saprolite
HX000953	QGI79	15	16	7.43	20	15	90	160	2200	20	5	600	0.01	1900	0.02	4	0.5	0.3	140	2	60	Saprolite
HX000954	QGI79	16	17	7.43	20	32	15	110	2200	25	4	220	0.01	1600	0.02	4	0.25	0.2	135	2	50	Saprolite
HX000955	QGI79	17	18	7.43	10	14	195	210	2100	20	5	1250	0.01	1650	0.02	3.5	0.3	0.2	145	3	60	Saprolite
HX000956	QGI79	18	19	7.58	20	95	20	85	2200	25	4	265	0.01	1450	0.02	2.5	0.2	0.3	130	7	50	Saprolite
HX000957	QGI79	19	20	8.44	15	780	135	110	1900	20	4	2250	0.01	1350	0.02	2.5	0.35	0.4	145	10	50	Saprolite
HX000958	QGI79	20	21	8.72	10	37	110	105	2400	45	4	1150	0.01	1550	0.02	2	0.25	0.2	150	3	50	Saprolite
HX000959	QGI79	21	22	8.29	5	290	65	95	2250	20	4	1200	0.01	1550	0.02	2	0.15	0.3	125	3	60	Saprolite
HX000960	QGI79	22	23	8.15	0.05	435	60	110	2050	25	4	2500	0.01	1550	4	2.5	0.15	0.2	130	4	60	Saprolite

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SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000961	QGI79	23	24	8.29	5	485	75	95	2050	30	5	1350	0.01	1400	34	3.5	0.2	0.2	130	4	50	Saprolite
HX000962	QGI79	24	25	8.58	10	22	60	85	2300	25	5	940	0.01	1300	0.02	2	0.2	0.2	145	3	60	Saprolite
HX000963	QGI79	25	26	8.01	0.05	6	145	95	2050	15	5	1650	0.01	1100	12	2	0.25	0.1	150	3	60	Saprolite
HX000964	QGI79	26	27	8.29	5	23	110	90	2200	20	5	1650	0.01	1250	24	2	0.25	0.2	160	4	60	Saprolite
HX000965	QGI79	27	28	7.43	0.05	38	65	80	2000	20	4	1200	0.01	1350	0.02	1.5	0.15	0.1	140	5	50	Saprolite
HX000966	QGI79	28	29	7.58	0.05	10	55	85	2050	20	4	1450	0.01	1400	0.02	1	0.2	0.2	155	3	60	Saprolite
HX000967	QGI79	29	30	7.72	0.05	3	50	85	2000	20	4	1350	0.01	1400	4	1	0.2	0.2	155	3	60	Saprolite
HX000968	QGI79	30	31	8.15	0.05	3	30	90	2300	20	4	1050	0.01	1500	0.02	1	0.15	0.2	165	1	60	Saprolite
HX000969	QGI79	31	32	8.29	0.05	0.01	45	90	2200	20	5	1800	0.01	1550	0.02	1	0.2	0.1	150	4	60	Fresh rock
HX000970	QGI79	32	33	7.72	0.05	0.01	30	95	2300	30	4	1550	0.01	1500	0.02	1	0.2	0.2	130	2	80	Fresh rock
HX000971	QGI79	33	34	7.58	0.05	0.01	0.05	75	2200	40	4	265	0.01	1400	0.02	1	0.2	0.001	120	2	70	Fresh rock
HX000972	QGI79	34	35	7.29	0.05	0.01	15	80	2200	30	4	710	0.01	1500	6	1.5	0.3	0.2	125	2	70	Fresh rock
HX000973	QGI79	35	36	7.86	0.05	0.01	25	85	2150	20	5	1600	0.01	1350	0.02	1	0.15	0.2	135	1	50	Fresh rock
HX000974	QGI79	36	37	8.01	0.05	0.01	15	80	2100	20	4	870	0.01	1250	26	1	0.0005	0.1	145	2	60	Fresh rock
HX000975	QGI79	37	38	8.29	0.05	7	35	85	2050	25	4	1650	0.01	1250	6	1	0.05	0.2	145	2	60	Fresh rock
HX000976	QGI79	38	39	7.58	0.05	29	30	75	1950	25	4	1450	0.01	1100	20	1.5	0.05	0.2	155	4	50	Fresh rock
HX000977	QGI79	39	40	8.01	5	40	20	70	2350	20	5	810	0.01	960	0.02	1	0.05	0.3	175	2	70	Fresh rock
HX000978	QGI79	40	41	7.72	0.05	13	15	75	2300	35	4	650	0.01	980	0.02	1	0.15	0.3	180	2	70	Fresh rock
HX000979	QGI79	41	42	7.86	0.05	4	20	80	2150	35	4	1300	0.01	1250	0.02	1	0.0005	0.3	130	2	60	Fresh rock
HX000980	QGI79	42	43	7.86	0.05	7	0.05	75	1800	25	3	1700	0.01	1200	0.02	1	0.0005	0.2	120	2	50	Fresh rock
HX000981	QGI79	43	44	7.72	0.05	14	15	80	1800	25	4	1250	0.01	1300	0.02	1	0.15	0.1	125	2	60	Fresh rock
HX000982	QGI79	44	45	6.58	0.05	2	0.05	85	1700	20	4	475	0.01	1400	0.02	0.5	0.0005	0.001	120	0.01	50	Fresh rock
HX000225	QGI8	0	1	12.87	10	9	330	30	510	65	27	1150	1	80	24	0.005	16.2	2.9	205	16	60	Clay-rich Colluvium
HX000226	QGI8	1	2	20.30	15	39	530	20	760	90	33	390	0.01	115	18	0.005	11.5	1.9	360	16	60	Gravelly Colluvium
HX000227	QGI8	2	3	16.58	10	49	310	30	610	100	29	660	1	155	26	0.005	10.2	1.3	320	18	70	Gravelly Colluvium
HX000228	QGI8	3	4	24.30	20	50	410	25	1450	110	34	435	2	170	14	0.005	9.9	1.1	600	12	60	Gravelly Colluvium
HX000229	QGI8	4	5	11.58	5	39	155	25	700	75	22	470	1	235	10	0.005	7.4	0.8	285	13	50	Clay-rich Colluvium
HX000230	QGI8	5	6	8.15	0.05	77	210	50	570	55	27	690	3	365	10	0.005	9.3	1.3	200	13	40	Clay-rich Colluvium
HX000231	QGI8	6	7	4.00	0.05	256	360	25	210	35	28	435	3	185	8	0.5	7	1.3	115	9	30	Interface
HX000232	QGI8	7	8	3.57	0.05	41	430	10	105	20	27	175	2	70	8	2	6.6	1.1	90	6	40	Ferruginous saprolite
HX000233	QGI8	8	9	3.72	0.05	66	570	10	65	15	34	60	1	35	10	1	6.4	1	80	4	40	Ferruginous saprolite
HX000234	QGI8	9	10	4.29	10	86	560	5	60	15	36	40	0.01	25	10	1	6.3	1	80	3	40	Ferruginous saprolite
HX000235	QGI8	10	11	3.57	5	134	570	0.05	50	10	33	30	0.01	20	8	1	5.2	0.9	75	3	30	Ferruginous saprolite
HX000236	QGI8	11	12	5.58	20	34	510	5	45	20	30	55	0.01	15	12	1.5	5.4	1	115	3	30	Ferruginous saprolite
HX000237	QGI8	12	13	4.86	20	7	495	5	50	20	31	50	0.01	15	12	1.5	5.5	1.1	95	3	30	Ferruginous saprolite
HX000238	QGI8	13	14	2.57	0.05	22	540	0.05	35	10	32	25	0.01	15	24	1	3.9	0.9	75	3	30	Ferruginous saprolite
HX000239	QGI8	14	15	2.14	0.05	26	450	0.05	25	10	26	30	0.01	15	8	1	3.2	0.9	65	3	20	Ferruginous saprolite
HX000983	QGI81	0	1	19.02	15	41	445	25	730	90	18	1050	3	165	14	1.5	8.2	1.3	420	32	90	Clay-rich Colluvium
HX000984	QGI81	1	2	9.01	0.05	25	510	30	270	80	18	930	4	145	205	0.005	9.7	1.7	255	21	60	Clay-rich Colluvium

QUASAR

SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX000985	QGI81	2	3	15.58	10	46	355	30	630	95	22	680	2	155	10	0.5	8.4	1.1	425	16	60	Gravelly Colluvium
HX000986	QGI81	3	4	13.73	10	49	300	30	710	80	21	1050	3	180	8	0.5	7.6	0.9	365	11	60	Clay-rich Colluvium
HX000987	QGI81	4	5	11.72	10	50	205	20	840	205	19	495	3	285	46	4	7.7	0.6	225	9	40	Clay-rich Colluvium
HX000988	QGI81	5	6	5.43	0.05	57	295	10	225	30	20	305	3	75	6	1.5	5.5	1.3	120	6	20	Interface
HX000989	QGI81	6	7	2.72	0.05	31	175	0.05	70	10	18	85	1	20	4	0.5	4	1.4	55	4	20	Clay saprolite
HX000990	QGI81	7	8	2.86	0.05	4	275	0.05	70	10	21	140	1	15	4	1	3.2	0.8	80	4	20	Clay saprolite
HX000991	QGI81	8	9	2.72	0.05	3	390	0.05	65	10	21	140	2	20	0.02	0.5	3	0.7	80	4	10	Clay saprolite
HX000992	QGI81	9	10	3.29	0.05	3	430	0.05	65	5	22	30	0.01	20	4	0.5	3.6	0.7	80	5	20	Clay saprolite
HX000993	QGI81	10	11	3.00	0.05	4	395	0.05	85	10	18	75	1	30	0.02	1	3	0.8	75	5	20	Clay saprolite
HX000994	QGI81	11	12	4.72	15	4	440	10	75	25	21	60	0.01	75	6	2	3.2	0.8	90	8	40	Saprolite
HX000995	QGI81	12	13	6.43	15	3	355	10	75	30	19	60	0.01	115	6	2.5	3.5	0.6	105	6	90	Saprolite
HX000996	QGI81	13	14	4.00	10	0.01	400	10	70	15	18	35	0.01	65	4	1	2.8	0.5	65	7	80	Saprolite
HX000997	QGI81	14	15	3.57	5	2	410	10	95	15	20	30	1	55	2	1.5	2.9	0.5	70	7	70	Saprolite
HX000998	QGI81	15	16	3.29	0.05	0.01	445	10	80	15	19	40	0.01	55	0.02	1	2.7	0.5	65	7	60	Saprolite
HX000999	QGI81	16	17	3.57	0.05	0.01	495	15	85	15	20	50	1	70	0.02	1.5	2.9	0.3	70	7	60	Saprolite
HX001000	QGI81	17	18	3.29	0.05	0.01	450	20	60	25	19	70	0.01	100	4	0.5	2.9	0.3	65	7	70	Saprolite
HX002001	QGI81	18	19	3.43	0.05	0.01	550	15	65	20	20	95	0.01	100	6	1	2.8	0.4	70	7	60	Saprolite
HX002002	QGI81	19	20	3.15	0.05	0.01	410	10	65	20	19	70	1	90	0.02	0.5	2.7	0.5	70	8	50	Saprolite
HX002003	QGI81	20	21	3.29	0.05	0.01	530	15	75	20	19	70	0.01	95	2	0.5	2.8	0.4	65	7	60	Saprolite
HX002004	QGI81	21	22	3.15	0.05	0.01	660	15	65	30	17	85	1	100	12	0.5	2.8	0.5	70	7	60	Saprolite
HX002005	QGI81	22	23	3.57	0.05	0.01	620	15	85	40	20	75	1	115	16	1	3.1	0.4	55	7	60	Saprolite
HX002006	QGI81	23	24	3.57	5	2	550	20	130	30	19	70	0.01	110	6	1	3.6	0.5	60	7	70	Saprolite
HX002007	QGI81	24	25	3.29	0.05	2	225	20	80	15	18	135	0.01	95	0.02	1	2.9	0.4	60	7	60	Saprolite
HX002008	QGI83	0	1	17.44	20	7	475	30	800	75	22	1500	7	120	26	1	15.4	2.4	385	23	60	Gravelly Colluvium
HX002009	QGI83	1	2	13.01	5	34	560	30	470	80	22	650	4	140	10	1	8.9	1.3	290	24	60	Gravelly Colluvium
HX002010	QGI83	2	3	22.02	15	51	415	25	850	110	26	440	3	155	14	0.005	9.1	0.9	530	14	50	Clay-rich Colluvium
HX002011	QGI83	3	4	29.59	20	28	450	20	1800	95	27	405	3	175	12	1	9.5	1.1	660	9	40	Clay-rich Colluvium
HX002012	QGI83	4	5	11.01	10	56	370	20	480	105	22	395	3	155	4	0.5	6.9	0.9	260	9	40	Clay-rich Colluvium
HX002013	QGI83	5	6	9.01	5	48	365	25	220	100	21	240	2	95	0.02	0.005	5.3	0.7	200	10	30	Clay-rich Colluvium
HX002014	QGI83	6	7	7.72	5	9	430	10	80	85	20	155	2	65	0.02	0.005	4.7	0.7	180	7	20	Interface
HX002015	QGI83	7	8	7.86	5	6	420	15	110	115	22	135	2	85	2	1	4.9	0.7	165	7	40	Clay saprolite
HX002016	QGI83	8	9	7.58	10	6	420	15	80	75	21	120	2	80	0.02	1	4.8	0.7	165	7	30	Saprolite
HX002017	QGI83	9	10	7.29	10	3	395	20	50	50	22	95	0.01	75	0.02	1	5.3	0.5	145	7	40	Saprolite
HX002018	QGI83	10	11	7.15	15	5	420	20	30	50	19	100	2	65	6	1	5.3	0.8	150	7	40	Saprolite
HX002019	QGI83	11	12	4.58	15	8	510	15	75	40	18	105	1	70	2	0.5	3.2	0.5	100	6	40	Saprolite
HX002020	QGI83	12	13	3.72	20	10	285	15	180	35	18	165	0.01	155	0.02	1	2.5	0.6	85	6	30	Saprolite
HX002021	QGI83	13	14	3.43	10	10	365	10	75	35	19	50	0.01	80	0.02	1	2.8	0.4	90	7	20	Saprolite
HX002022	QGI83	14	15	3.43	15	8	380	20	55	35	19	310	0.01	70	0.02	1	2.8	0.6	85	8	40	Saprolite
HX002023	QGI85	0	1	15.30	10	10	435	35	630	65	19	1350	4	160	14	0.005	10	2	335	17	70	Clay-rich Colluvium

QUASAR

SampleNo	HoleNo	From	To	Fe2O3	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn	Reg Code
		m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
HX002024	QGI85	1	2	13.87	10	54	520	20	245	70	22	330	0.01	120	8	0.005	7.8	0.5	215	13	60	Clay-rich Colluvium
HX002025	QGI85	2	3	26.16	20	51	450	20	670	105	27	475	0.01	135	14	0.005	9.9	0.7	550	12	60	Clay-rich Colluvium
HX002026	QGI85	3	4	27.74	15	56	450	25	1200	110	26	335	0.01	185	22	1	9.4	0.9	590	10	50	Clay-rich Colluvium
HX002027	QGI85	4	5	10.58	0.05	46	160	20	200	60	20	365	0.01	150	6	0.5	6	1.1	185	9	50	Clay-rich Colluvium
HX002028	QGI85	5	6	9.86	0.05	28	190	20	105	50	18	215	0.01	90	0.02	0.005	3.3	1.1	165	6	60	Interface
HX002029	QGI85	6	7	8.86	5	38	165	20	65	30	16	220	0.01	80	0.02	0.005	3	1	160	6	50	Saprolite
HX002030	QGI85	7	8	8.72	0.05	9	125	20	50	30	16	205	0.01	70	2	0.005	2.8	1.4	155	6	50	Saprolite
HX002031	QGI85	8	9	8.29	5	3	210	15	55	40	14	165	0.01	65	0.02	0.005	2.6	1.4	165	6	50	Saprolite
HX002032	QGI85	9	10	8.44	5	8	100	35	30	50	15	270	0.01	95	2	0.005	2.3	1.9	160	7	80	Saprolite
HX002033	QGI85	10	11	8.72	15	8	225	55	30	60	17	490	0.01	125	0.02	0.005	2.4	1.6	140	9	80	Saprolite
HX002034	QGI85	11	12	8.72	10	4	130	30	30	30	14	235	0.01	105	0.02	0.005	2.4	1.3	140	8	60	Saprolite
HX002035	QGI85	12	13	8.58	10	4	115	35	35	40	15	305	0.01	110	0.02	0.005	2.4	1.4	135	8	70	Saprolite
HX002036	QGI85	13	14	8.44	5	7	150	30	30	75	15	245	0.01	105	0.02	0.005	2.5	1.2	135	8	80	Saprolite
HX002037	QGI85	14	15	8.72	15	16	0.05	35	40	55	15	465	0.01	100	0.02	0.005	2.4	0.8	140	8	70	Saprolite
HX002038	QGI85	15	16	8.44	5	9	175	35	35	50	14	415	0.01	115	0.02	0.005	2.5	0.6	130	8	80	Saprolite
HX002039	QGI85	16	17	8.58	0.05	32	85	30	40	40	14	250	0.01	125	2	0.005	2.4	0.3	140	8	80	Saprolite
HX002040	QGI85	17	18	8.58	5	55	105	30	40	35	14	240	0.01	120	2	0.005	2.4	0.6	145	8	70	Saprolite
HX002041	QGI87	0	1	14.15	15	20	760	30	440	75	20	1300	1	105	24	0.005	10.2	1.4	305	17	60	Clay-rich Colluvium
HX002042	QGI87	1	2	19.87	15	40	420	35	335	90	22	680	0.01	120	14	0.005	11.2	1	405	11	60	Clay-rich Colluvium
HX002043	QGI87	2	3	26.31	15	82	490	20	710	125	27	400	0.01	140	16	0.005	9.5	0.7	620	11	60	Gravelly Colluvium
HX002044	QGI87	3	4	17.87	10	42	265	30	540	80	22	350	0.01	310	10	0.005	7.1	1	365	9	70	Clay-rich Colluvium
HX002045	QGI87	4	5	8.29	0.05	68	280	40	95	55	16	680	0.01	465	8	0.005	3.8	2.1	140	10	70	Interface
HX002046	QGI87	5	6	7.43	0.05	47	445	35	105	50	15	710	0.01	440	0.02	0.005	3.3	2.4	140	11	70	Saprolite
HX002047	QGI87	6	7	8.44	0.05	25	220	35	125	50	13	320	0.01	410	0.02	0.005	2.4	1.9	140	8	80	Saprolite
HX002048	QGI87	7	8	7.86	0.05	23	215	45	95	50	14	235	0.01	390	0.02	0.005	2.3	1.2	160	9	80	Saprolite
HX002049	QGI87	8	9	8.72	5	18	255	40	85	50	14	290	0.01	215	0.02	0.005	2.4	1.2	175	9	70	Saprolite
HX002050	QGI87	9	10	8.29	0.05	12	220	30	85	40	13	120	0.01	195	0.02	0.005	2.7	0.5	155	8	70	Saprolite
HX002051	QGI87	10	11	8.29	0.05	10	245	35	40	50	14	380	0.01	195	4	0.005	2.5	0.4	155	9	60	Saprolite
HX002052	QGI87	11	12	9.29	10	43	330	65	95	40	14	810	0.01	260	0.02	0.005	2.6	0.5	170	10	70	Saprolite
HX002053	QGI87	12	13	8.29	10	18	420	60	55	45	14	860	0.01	190	0.02	0.005	2.7	0.3	140	10	70	Saprolite
HX002054	QGI87	13	14	8.86	10	8	530	60	35	45	15	980	0.01	160	0.02	0.5	2.3	0.2	155	9	70	Saprolite
HX002055	QGI87	14	15	9.01	10	7	590	65	45	55	14	1400	0.01	180	12	0.005	2.7	0.4	160	8	60	Saprolite
HX002056	QGI89	0	1	17.73	15	19	830	30	550	75	22	1150	0.01	115	14	0.005	11.2	1.6	340	19	50	Clay-rich Colluvium
HX002057	QGI89	1	2	27.45	20	76	385	25	750	120	24	455	0.01	145	10	0.5	8.4	0.7	590	14	50	Gravelly Colluvium
HX002058	QGI89	2	3	20.87	15	82	480	20	590	85	25	460	0.01	140	10	0.005	7.7	0.5	440	13	50	Gravelly Colluvium
HX002059	QGI89	3	4	28.59	15	56	455	20	1100	100	27	290	0.01	155	14	0.005	9	0.3	640	9	40	Gravelly Colluvium
HX002060	QGI89	4	5	17.87	10	25	310	35	970	70	22	250	0.01	220	10	0.005	8	0.5	405	11	40	Clay-rich Colluvium
HX002061	QGI89	5	6	5.29	10	18	385	10	200	25	16	115	0.01	135	8	0.005	4.8	0.8	95	5	20	Interface
HX000469	QGI9	0	1	12.58	10	15	580	30	495	70	24	1300	4	70	26	1	16.6	2.6	285	18	80	Clay-rich Colluvium

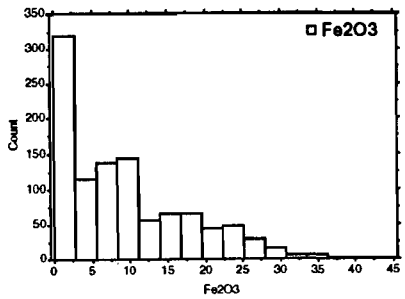
QUASAR

SampleNo	HoleNo	From m	To m	Fe2O3 %	As ppm	Au ppb	Ba ppm	Co ppm	Cr ppm	Cu ppm	Ga ppm	Mn ppm	Nb ppm	Ni ppm	Pb ppm	Sb ppm	Th ppm	U ppm	V ppm	Y ppm	Zn ppm	Reg Code ppm
HX000470	QGI9	1	2	14.15	10	32	470	15	420	70	21	290	5	100	16	0.5	9.3	1.9	270	12	60	Clay-rich Colluvium
HX000471	QGI9	2	3	16.44	10	51	405	25	590	90	22	520	4	145	12	1	8.4	1.1	380	13	60	Clay-rich Colluvium
HX000472	QGI9	3	4	25.02	20	45	590	25	1250	105	25	465	4	185	14	1	9	1	570	10	60	Gravelly Colluvium
HX000473	QGI9	4	5	27.59	30	39	315	25	1900	110	24	440	4	260	14	1.5	8.1	1.2	660	9	40	Gravelly Colluvium
HX000474	QGI9	5	6	7.58	0.05	79	250	30	510	50	22	660	4	320	10	1.5	8.8	1.2	155	11	40	Clay-rich Colluvium
HX000475	QGI9	6	7	4.72	10	40	540	20	240	35	22	445	3	150	6	1	6.8	1.2	105	8	30	Interface
HX000476	QGI9	7	8	2.43	0.05	7	430	15	90	15	18	445	2	85	8	1	5.1	1.3	65	7	20	Clay saprolite
HX000477	QGI9	8	9	2.14	0.05	13	570	10	80	15	23	240	2	70	8	1	4.9	1.1	55	4	20	Clay saprolite
HX000478	QGI9	9	10	1.29	0.05	37	630	0.05	35	15	25	25	0.01	20	18	0.005	4.6	0.9	45	2	0.1	Clay saprolite
HX000479	QGI9	10	11	1.29	0.05	12	640	0.05	35	10	23	15	2	20	12	1	4.5	1	45	3	10	Clay saprolite
HX000480	QGI9	11	12	1.14	0.05	6	690	0.05	20	5	26	10	1	15	8	0.005	4.6	1	45	3	10	Clay saprolite
HX000481	QGI9	12	13	1.57	0.05	26	640	0.05	45	10	27	35	2	45	8	1	5.1	0.8	50	3	10	Clay saprolite
HX000482	QGI9	13	14	1.29	0.05	6	680	0.05	25	0.05	26	30	1	40	8	0.5	5.6	1	45	3	10	Clay saprolite
HX000483	QGI9	14	15	1.00	0.05	7	630	0.05	15	0.05	25	10	1	10	10	0.5	6.3	0.8	40	3	10	Clay saprolite
HX000484	QGI9	15	16	1.14	0.05	19	670	0.05	20	5	26	15	1	20	28	0.5	6.7	0.8	40	3	20	Clay saprolite
HX000485	QGI9	16	17	1.43	0.05	4	740	0.05	15	0.05	27	20	1	10	10	0.005	6.3	0.9	55	3	10	Clay saprolite
HX000486	QGI9	17	18	1.29	0.05	0.01	640	0.05	20	5	24	15	1	10	14	0.5	6	1	40	3	10	Clay saprolite
HX000487	QGI9	18	19	1.29	0.05	0.01	660	0.05	20	0.05	25	20	1	15	12	0.005	5.1	0.9	40	3	10	Clay saprolite
HX000488	QGI9	19	20	1.43	0.05	2	740	0.05	25	0.05	26	10	0.01	10	8	0.005	5.4	0.8	45	3	10	Clay saprolite
HX000489	QGI9	20	21	1.14	0.05	0.01	660	0.05	25	0.05	26	10	1	5	12	0.005	5.2	1	40	4	10	Clay saprolite
HX000490	QGI9	21	22	1.14	0.05	0.01	620	0.05	15	5	27	10	0.01	0.05	14	0.005	4.7	1	45	4	0.1	Clay saprolite
HX000491	QGI9	22	23	1.14	0.05	0.01	680	0.05	15	10	26	10	0.01	10	16	0.005	4.3	1.2	40	4	10	Clay saprolite
HX000492	QGI9	23	24	1.14	0.05	0.01	730	0.05	15	0.05	26	5	0.01	5	18	0.005	4.8	1.3	40	5	20	Clay saprolite
HX000493	QGI9	24	25	1.14	0.05	0.01	650	0.05	15	5	25	10	0.01	5	18	0.005	4.1	1.3	40	4	20	Clay saprolite
HX000494	QGI9	25	26	1.14	0.05	0.01	660	0.05	10	10	26	10	0.01	10	28	0.005	4.8	1.4	45	5	20	Clay saprolite
HX000495	QGI9	26	27	1.00	0.05	0.01	610	0.05	15	0.05	24	10	0.01	5	18	0.005	4.1	1.4	40	5	20	Clay saprolite
HX000496	QGI9	27	28	2.43	0.05	0.01	510	5	25	10	21	45	0.01	20	30	0.5	3.9	1.4	50	5	50	Saprolite
HX002062	QGI91	0	1	28.88	20	38	430	25	820	105	23	900	0.01	125	18	0.5	11.1	1.6	495	21	60	Clay-rich Colluvium
HX002063	QGI91	1	2	23.88	15	146	400	20	570	105	25	410	0.01	140	14	0.005	9.8	0.8	460	19	60	Clay-rich Colluvium
HX002064	QGI91	2	3	23.45	20	40	425	20	690	115	24	370	0.01	140	14	0.005	8.3	0.4	495	12	50	Clay-rich Colluvium
HX002065	QGI91	3	4	24.02	20	76	320	20	1000	105	26	255	0.01	165	160	0.005	8.2	0.7	560	7	50	Clay-rich Colluvium
HX002066	QGI91	4	5	13.15	5	35	145	25	330	60	21	270	0.01	200	8	0.005	8.4	0.7	240	8	30	Clay-rich Colluvium
HX002067	QGI91	5	6	7.43	10	25	335	25	140	40	16	350	0.01	235	4	0.005	6.6	0.5	135	8	30	Interface

APPENDIX Q2

FREQUENCY DISTRIBUTION HISTOGRAMS
QUASAR ORIENTATION SURVEY

refer to Appendix Q1 for data
n=1047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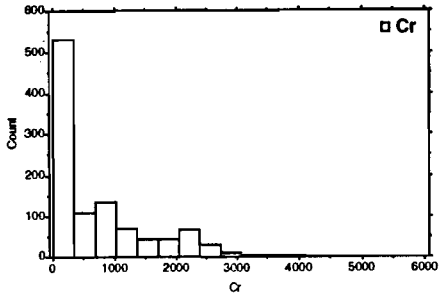
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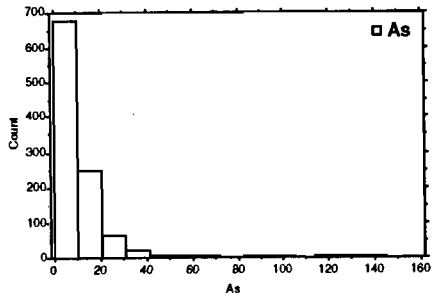
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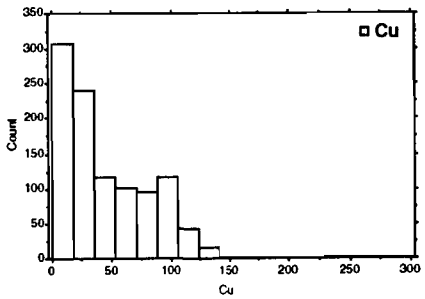
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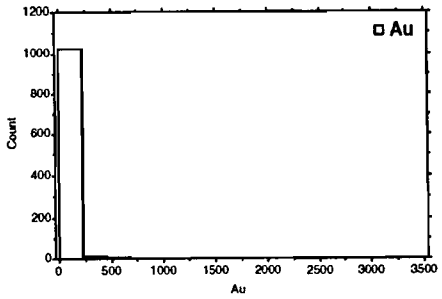
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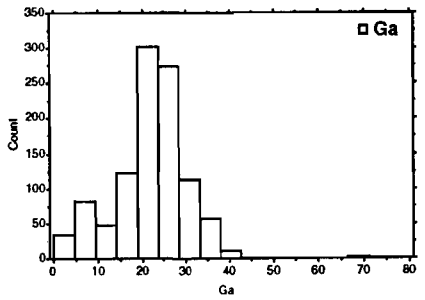
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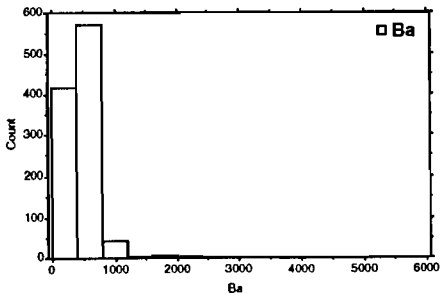
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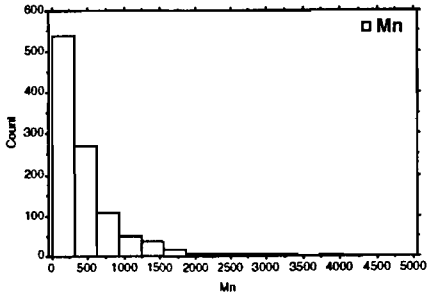
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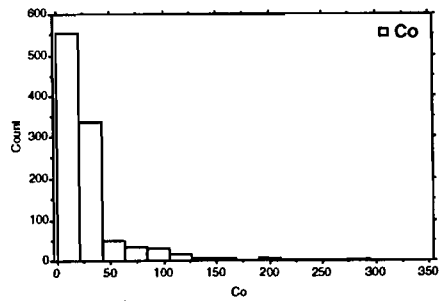
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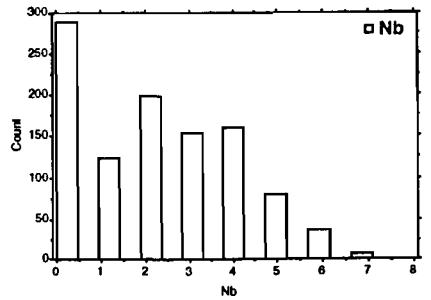
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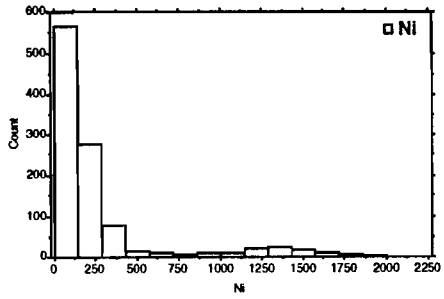
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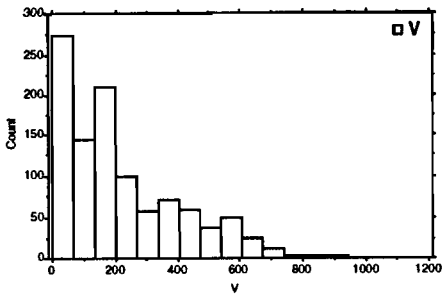
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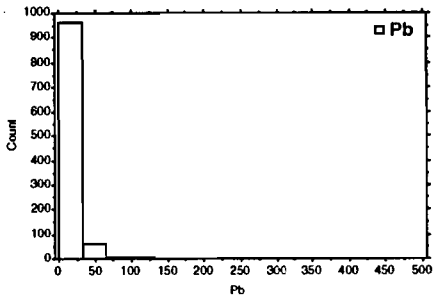
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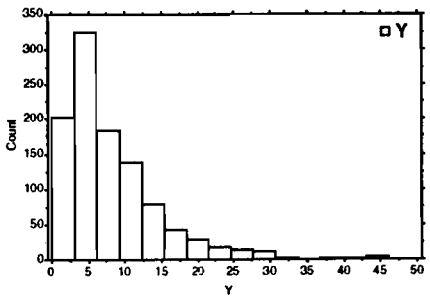
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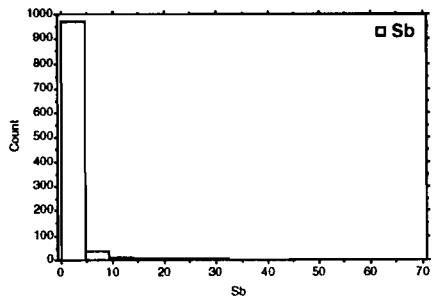
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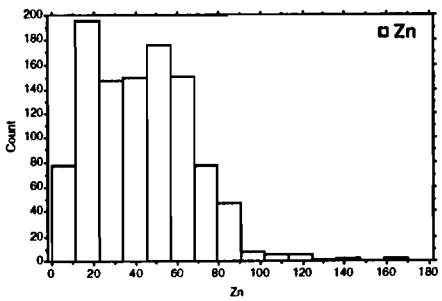
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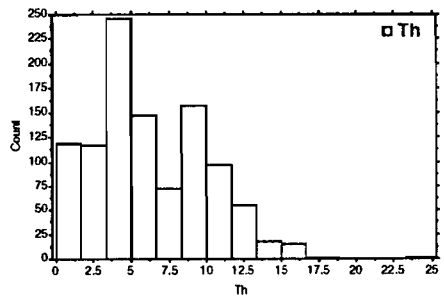
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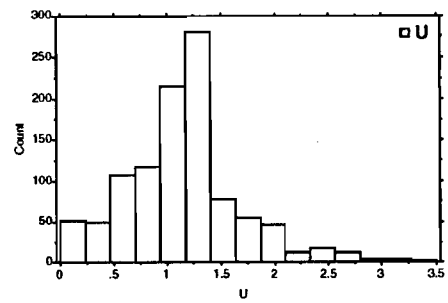
U
Count
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APPENDIX Q3

SPEARMAN RANK CORRELATION MATRIX
QUASAR ORIENTATION SURVEY

refer to Appendix Q1 for data
n=1047

QUASAR
SPEARMAN RANK CORRELATION MATRIX
Raw Data

	Fe	As	Au	Ba	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
Fe	1.00																	
As	0.76	1.00																
Au	0.61	0.49	1.00															
Ba	-0.32	-0.24	-0.18	1.00														
Co	0.69	0.47	0.36	-0.47	1.00													
Cr	0.81	0.61	0.47	-0.46	0.80	1.00												
Cu	0.87	0.66	0.59	-0.25	0.64	0.66	1.00											
Ga	-0.20	-0.12	-0.03	0.58	-0.59	-0.42	-0.18	1.00										
Mn	0.77	0.51	0.44	-0.35	0.85	0.76	0.72	-0.43	1.00									
Nb	0.40	0.47	0.40	0.07	0.04	0.19	0.43	0.23	0.29	1.00								
Ni	0.71	0.53	0.41	-0.54	0.91	0.89	0.65	-0.58	0.79	0.09	1.00							
Pb	0.07	0.17	0.17	0.31	-0.24	-0.10	0.13	0.43	-0.07	0.38	-0.20	1.00						
Sb	0.24	0.42	0.22	-0.09	0.16	0.32	0.20	-0.10	0.17	0.38	0.29	0.08	1.00					
Th	0.54	0.54	0.48	0.14	0.01	0.22	0.51	0.41	0.26	0.75	0.05	0.52	0.25	1.00				
U	0.09	0.23	0.10	0.28	-0.26	-0.15	0.11	0.42	-0.07	0.53	-0.26	0.54	0.10	0.66	1.00			
V	0.87	0.75	0.58	-0.21	0.54	0.69	0.82	-0.10	0.65	0.54	0.59	0.15	0.37	0.61	0.19	1.00		
Y	0.61	0.49	0.45	-0.01	0.30	0.24	0.65	0.09	0.46	0.53	0.22	0.29	0.03	0.69	0.42	0.59	1.00	
Zn	0.57	0.30	0.27	-0.25	0.72	0.51	0.58	-0.34	0.67	-0.05	0.60	-0.10	-0.05	0.03	-0.15	0.41	0.40	1.00

APPENDIX Q4

TABULATED GEOCHEMISTRY - QUASAR LAG SURVEY

see text for methods

QUASAR LAG

SampleNo	East	North	Fe	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GC211001	8050	12250	29.50	45	52	70	0.5	25	1850	140	25	470	3	125	14	2.5	12.3	2.1	830	7	70
GC211002	8075	12250	30.50	45	108	130	0.3	25	1600	130	27	690	4	100	20	1.5	14	2.9	900	8	70
GC211003	8100	12250	29.70	40	45	115	0.6	25	1650	130	28	670	4	105	20	1.5	12.4	3.2	910	7	60
GC211004	8125	12250	34.80	45	39	80	0.5	20	1950	135	28	590	3	105	24	2	14.4	2.7	970	7	60
GC211005	8150	12250	29.70	45	25	80	0.4	20	1850	145	26	590	3	110	22	2	14.7	3.1	1050	8	70
GC211006	8175	12250	35.10	55	94	25	0.4	20	2000	125	25	380	3	105	20	2	13.7	2.8	1050	7	70
GC211007	8200	12250	30.70	50	74	30	0.6	20	1800	140	23	365	3	105	22	3	15.6	2.9	950	8	70
GC211008	8225	12250	28.50	40	23	95	0.6	20	1600	120	24	495	4	105	24	3	14.8	2.6	850	9	70
GC211009	8250	12250	27.40	30	26	60	0.3	20	1750	150	25	395	3	115	18	2	13.4	2.5	860	7	80
GC211010	8275	12250	31.20	55	116	30	0.6	20	1900	135	25	395	3	110	22	2	13.2	2.8	1000	7	60
GC211011	8300	12250	25.10	35	64	95	0.5	20	1350	120	26	305	4	100	16	1.5	13.5	3.3	740	8	70
GC211012	8325	12250	26.90	40	56	80	0.7	15	1600	105	28	345	5	90	22	1.5	15.1	2.5	870	8	70
GC211013	8350	12250	33.80	55	116	50	0.6	25	2100	185	31	395	3	135	18	1.5	10	3.1	1150	6	60
GC211014	8050	12300	28.90	45	97	380	0.4	35	1800	190	31	1650	4	135	110	2.5	13.9	2.9	930	13	120
GC211015	8075	12300	31.70	30	102	80	0.4	25	1900	155	27	550	4	130	26	2	14.5	3.2	930	6	70
GC211016	8100	12300	31.90	45	18	40	0.5	20	2000	135	26	370	3	105	24	3	13.7	2.7	1050	8	70
GC211017	8125	12300	32.50	35	35	125	0.4	20	2250	135	27	830	3	130	22	2	14.8	2.6	980	8	60
GC211018	8150	12300	32.40	40	39	40	0.2	20	2000	140	27	430	3	105	22	4	14.7	2.8	1000	7	50
GC211019	8175	12300	24.30	40	64	105	0.3	25	1750	155	25	650	2	130	22	1.5	13.6	2.9	790	7	70
GC211020	8200	12300	30.20	40	30	70	0.4	20	1850	135	26	400	3	115	18	1.5	13.7	3	950	7	60
GC211021	8225	12300	27.40	35	53	60	0.4	20	1550	150	25	460	3	105	26	1.5	12.4	2.3	840	8	60
GC211022	8250	12300	27.60	35	47	215	0.3	20	1650	135	29	820	4	105	48	2	12.5	2.7	830	9	80
GC211023	8275	12300	31.40	50	36	20	0.5	20	1950	155	26	330	3	110	18	1.5	12.1	2.5	1000	6	70
GC211024	8300	12300	28.80	40	39	35	0.3	20	1850	150	25	350	3	115	18	2.5	11.8	3.1	950	6	70
GC211025	8325	12300	28.60	45	16	40	0.6	20	1950	135	27	410	3	105	22	2.5	15.1	2.7	950	7	70
GC211026	8350	12300	20.40	35	18	115	0.9	15	1250	90	25	365	6	90	18	2	13.3	2.7	650	9	60
GC211027	8050	12350	30.30	50	64	100	0.5	20	2100	135	29	590	3	115	20	2	15.8	2.7	1000	7	70
GC211028	8075	12350	30.00	40	37	90	0.5	20	1900	145	28	620	3	115	20	3	16	3.2	950	8	60
GC211029	8100	12350	28.20	15	168	45	0.4	20	1800	135	23	465	1	110	18	0.5	13	2.3	680	7	60
GC211030	8125	12350	32.80	55	29	85	0.7	20	2100	135	29	730	3	115	26	2	14.6	2.5	1050	7	70
GC211031	8150	12350	29.80	45	660	60	0.4	15	1750	130	25	540	3	110	24	2	13.1	2.6	930	7	60
GC211032	8175	12350	31.40	35	82	35	0.5	25	1900	175	26	425	3	160	18	3	13.1	2.5	950	8	80
GC211033	8200	12350	26.50	40	71	45	0.7	20	1900	155	26	430	3	110	18	2	14.1	3.2	910	7	60
GC211034	8225	12350	28.80	45	72	100	0.2	20	1900	125	27	680	3	125	22	3	14.6	2.2	920	7	60
GC211035	8250	12350	30.10	45	34	65	0.6	20	1800	140	29	360	3	110	24	3	13	2.6	1050	7	70
GC211036	8275	12350	32.30	45	38	25	0.8	20	2100	130	27	365	3	110	24	3	15.7	2.8	1050	7	60

QUASAR LAG

SampleNo	East	North	Fe	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GC211037	8300	12350	19.90	25	256	145	0.5	15	1400	85	23	455	5	85	22	4	14.4	2.5	640	10	60
GC211038	8325	12350	29.30	40	122	50	0.3	20	1800	135	28	350	3	120	22	1	12.3	3	990	7	60
GC211039	8350	12350	31.30	45	59	85	0.3	20	1950	150	29	620	3	125	20	1.5	14.7	2.7	970	7	90
GC211040	8050	12400	32.20	45	170	70	0.3	20	1850	135	30	550	3	110	28	2	14.6	2.4	1050	7	70
GC211041	8075	12400	31.00	50	38	75	0.4	20	2000	150	29	500	3	115	18	1.5	12.7	2.6	1050	7	60
GC211042	8100	12400	33.40	50	36	45	0.5	20	2150	140	30	500	3	120	22	3	14.1	2.7	1050	7	60
GC211043	8125	12400	34.40	45	83	45	0.5	20	2150	145	29	470	3	120	20	2.5	16.3	3	1050	8	70
GC211044	8150	12400	33.30	45	61	40	0.5	20	2150	145	29	395	4	105	42	2	16.5	2.4	1050	8	70
GC211045	8175	12400	28.50	35	190	25	0.3	20	1800	155	25	380	3	115	16	3	13.5	2.5	930	7	70
GC211046	8200	12400	27.80	40	77	120	0.5	20	1850	155	28	840	3	120	22	1.5	14.6	2.9	860	8	70
GC211047	8225	12400	30.00	45	28	90	0.4	20	1900	140	27	530	3	115	22	1.5	13.1	2.9	980	6	50
GC211048	8250	12400	31.50	45	69	75	0.6	20	2000	140	30	540	3	105	22	1	12.7	3	1000	6	60
GC211049	8275	12400	21.60	30	49	210	0.6	20	1500	205	29	760	4	105	150	3	12.9	2.4	740	8	150
GC211050	8300	12400	27.50	45	58	90	0.4	20	1800	125	28	610	3	115	20	1.5	14.1	2.5	910	7	70
GC211051	8325	12400	32.30	40	37	80	0.7	25	2150	170	32	540	4	120	20	2	13.7	2.3	1100	7	60
GC211052	8350	12400	30.40	45	46	75	0.5	20	1950	145	26	540	3	115	28	3.5	15.4	3	960	7	70
GC211053	8050	12450	28.80	40	21	65	0.6	25	1850	145	26	460	2	130	20	1.5	14.6	2.5	940	7	60
GC211054	8075	12450	32.00	50	93	75	0.6	20	2050	150	28	590	3	120	22	3	15.7	2.5	1000	8	70
GC211055	8100	12450	32.40	55	260	60	0.6	20	2200	155	30	660	4	115	22	5	15.4	2.8	1050	8	70
GC211056	8125	12450	29.50	40	68	40	0.6	20	2000	150	27	490	3	125	16	1	13.7	2.5	970	7	70
GC211057	8150	12450	27.90	30	70	60	0.5	25	1700	165	28	490	3	110	18	1	13.1	2.5	900	7	60
GC211058	8175	12450	30.40	45	91	45	0.8	20	1950	135	26	485	3	110	26	2	16.3	2.6	990	7	70
GC211059	8200	12450	31.20	45	226	25	0.5	20	1950	145	28	385	3	130	20	1.5	15.5	3	960	8	70
GC211060	8225	12450	36.70	35	29	50	0.5	20	2150	120	30	430	3	115	20	2.5	16	2.1	1100	6	70
GC211061	8250	12450	30.30	40	34	145	0.5	15	1850	125	30	445	3	105	20	2.5	13.1	2.5	910	7	60
GC211062	8275	12450	34.30	50	38	65	0.7	20	2000	150	31	455	3	120	30	1	16.4	2.7	1050	8	70
GC211063	8300	12450	30.90	50	55	90	0.5	20	1900	140	26	550	3	110	22	2	14.5	2.6	960	8	60
GC211064	8325	12450	34.10	60	72	80	0.5	20	2150	125	31	710	4	105	22	5	15.4	2.6	1050	8	60
GC211065	8350	12450	38.10	50	77	30	0.5	20	2450	130	32	560	3	115	24	4	16.7	2.5	1250	7	60
GC211066	8050	12500	34.40	40	46	40	0.5	20	2200	130	29	435	2	125	18	1.5	13.7	2.3	1050	8	60
GC211067	8075	12500	30.00	35	46	160	0.6	25	2000	155	29	980	3	125	24	1	14.3	2.9	1050	7	70
GC211068	8100	12500	30.00	45	43	25	0.6	20	1850	150	26	380	3	115	18	2.5	14.2	2.6	980	7	70
GC211069	8125	12500	26.90	40	326	120	0.5	20	1700	160	26	780	3	110	24	2	15.1	2.9	910	7	60
GC211070	8150	12500	31.20	55	116	25	0.8	20	1850	155	25	400	3	110	20	2.5	15.1	2.3	980	8	70
GC211071	8175	12500	31.20	40	56	70	0.3	25	1900	170	28	640	3	135	18	2.5	13.6	2.9	1050	8	70
GC211072	8200	12500	31.50	45	74	45	0.9	20	1950	130	27	460	3	115	62	1.5	14.5	2.7	1050	7	60

QUASAR LAG

SampleNo	East	North	Fe	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GC211073	8225	12500	34.70	50	56	15	0.6	20	2150	140	32	365	3	115	24	2.5	16.8	2.4	1150	6	60
GC211074	8250	12500	28.00	40	40	55	0.5	25	2050	175	27	415	3	140	16	3	13.9	2.7	930	8	80
GC211075	8275	12500	31.30	45	36	150	0.6	20	1750	135	28	750	3	115	18	2	15.2	2.9	950	8	60
GC211076	8300	12500	29.00	40	44	125	1	20	1700	155	26	480	3	115	16	2	13	2.4	910	10	90
GC211077	8325	12500	32.90	55	52	70	0.6	20	2050	155	28	560	2	130	32	2	14.2	2.6	1050	7	60
GC211078	8350	12500	33.90	45	21	25	0.9	15	2250	115	28	395	3	110	24	1.5	16	2.5	1100	6	70
GC211079	8050	12550	26.00	35	48	200	0.2	25	1700	155	28	970	3	110	22	1.5	13.3	2.4	880	7	100
GC211080	8075	12550	36.20	50	48	40	0.4	15	2350	105	30	435	3	105	26	3	17.7	3	1100	8	50
GC211081	8100	12550	36.00	50	79	20	0.5	15	2300	115	29	395	3	100	24	3	16.3	2.4	1150	7	60
GC211082	8125	12550	36.60	60	45	25	0.8	20	2400	110	34	405	3	100	26	3	18.1	2.6	1200	7	70
GC211083	8150	12550	30.30	45	83	120	0.5	20	2000	145	28	940	3	115	24	4	15.2	2.1	1000	7	60
GC211084	8175	12550	28.20	35	52	80	0.5	20	1850	130	26	670	3	110	20	2.5	14.1	2.1	870	8	70
GC211085	8200	12550	33.30	45	42	30	0.5	20	2100	140	30	360	3	115	18	4	15.8	3.2	1000	7	80
GC211086	8225	12550	33.70	45	264	35	0.3	20	2150	125	27	375	3	115	20	3.5	16.2	2.8	1050	8	70
GC211087	8250	12550	28.50	40	140	140	0.4	25	1700	170	28	850	2	125	24	2	14.5	3	950	8	80
GC211088	8275	12550	30.00	50	56	70	0.4	20	1950	155	27	520	2	120	22	1.5	15	2.5	1050	8	70
GC211089	8300	12550	30.60	40	260	75	0.6	15	1850	125	25	520	2	105	24	2.5	13.1	2.8	970	7	70
GC211090	8325	12550	35.00	50	53	25	0.6	20	2350	135	31	430	3	120	24	2.5	15.4	2.6	1200	8	50
GC211091	8350	12550	36.40	55	64	40	0.7	15	2500	100	32	380	3	110	24	3	17.1	2.5	1200	7	60
GC211201	8600	12480	35.90	40	8	95	0.1	15	2100	120	29	325	4	95	22	5	14.5	1.9	1100	7	40
GC211202	8440	12480	35.00	60	33	50	0.3	15	2200	135	26	335	3	95	20	3	16.7	2.3	1100	8	50
GC211203	8600	12400	35.50	60	55	55	0.5	15	2150	140	29	295	4	105	24	4.5	13.5	2.1	1100	6	50
GC211204	8520	12400	34.40	35	540	30	0.2	20	2050	140	25	310	3	90	20	5	15.1	2.8	1050	7	40
GC211205	8440	12400	34.30	55	42	195	0.1	20	2050	130	28	355	3	90	22	3	16.5	2.5	1050	7	40
GC211207	8520	12320	34.30	40	106	40	0.4	20	2100	135	24	375	3	95	20	2	16.6	2.5	1000	7	40
GC211208	8600	12240	37.30	45	47	40	0.1	15	2400	120	26	360	2	90	26	1.5	17.1	2.3	1100	7	30
GC211209	8520	12240	39.70	15	79	115	0.5	15	2400	100	28	355	1	95	28	2	17.3	2.5	1100	7	40
GC211210	8440	12240	39.40	40	102	125	0.3	15	2350	105	31	415	3	85	24	3	16.9	2.4	1150	6	40
GC211211	8600	12160	38.40	40	36	95	0.1	20	2550	110	30	550	3	95	28	5.5	15	2.5	1150	7	30
GC211212	8440	12160	35.70	40	132	50	0.4	20	2200	140	26	320	2	100	24	5	9.9	2.6	1050	6	40
GC211213	8280	12160	36.10	45	36	35	0.2	20	2250	165	27	365	2	115	20	4	12.1	2.3	1050	6	50
GC211214	8120	12160	34.00	50	27	40	0.9	20	1850	160	24	400	3	105	20	2.5	13.2	3	960	7	50
GC211215	7960	12160	36.80	30	376	40	0.4	20	2150	140	27	405	2	110	26	3	15.9	2.9	1050	7	50
GC211216	8040	12240	25.60	25	57	170	0.2	25	1650	150	25	760	2	110	26	0.5	14.5	2.4	780	7	50
GC211217	7960	12240	33.50	35	40	65	0.1	20	2200	145	24	445	2	95	22	1	15.1	2.5	970	7	50
GC211218	7960	12080	34.30	60	54	25	0.7	20	2050	150	25	340	1	105	24	1.5	14.9	2.4	980	7	50

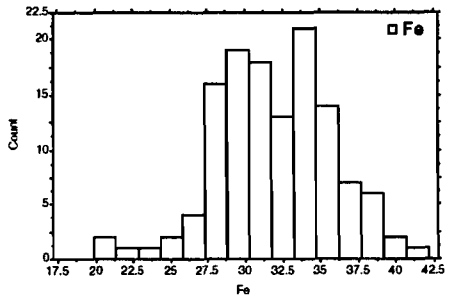
QUASAR LAG

SampleNo	East	North	Fe	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
GC211219	8200	12080	38.00	40	36	25	0.3	20	2450	130	28	385	2	100	40	2	19	3.1	1150	7	50
GC211220	8040	12080	35.70	35	475	40	0.6	15	2400	120	27	375	3	100	26	3	16.7	3.4	1000	7	40
GC211221	8120	12080	29.90	35	33	75	0.1	20	1950	140	25	580	2	115	20	3	14.6	3.1	910	8	50
GC211222	8280	12080	37.30	40	27	95	0.4	20	2150	130	26	610	2	95	22	4.5	15.9	2.2	1050	7	40
GC211223	8360	12080	33.90	50	61	65	0.1	20	2150	150	28	470	2	115	22	3.5	11.7	2.9	1050	5	40
GC211224	8440	12080	41.20	50	45	30	0.1	15	2450	95	30	355	3	85	28	6	16.6	2.4	1200	7	40
GC211225	8520	12080	33.30	35	53	95	0.4	20	1950	145	28	445	2	100	20	4	10.2	2.5	1050	6	30
GC211226	8600	12080	36.20	45	41	70	0.1	20	2250	125	29	495	3	90	28	3.5	17.4	2.9	1100	6	30
GC211227	8680	12400	39.20	50	39	65	0.8	15	2400	115	29	530	3	90	32	1.5	17.2	3.1	1200	6	40
GC211228	8680	12320	35.20	40	48	120	0.1	20	2200	105	28	710	3	85	26	1.5	17.4	2.6	1050	7	30
GC211229	8680	12240	38.40	50	30	45	0.7	15	2350	105	27	405	2	80	24	1.5	18.1	2.7	1100	6	30
GC211230	8680	12080	34.40	40	58	25	0.5	15	2250	120	27	355	2	80	24	3	18.9	2.9	1050	6	60
GC211231	8520	12000	32.80	40	26	95	0.1	20	2200	145	28	560	2	100	22	3.5	15.5	3	1000	7	40
GC211232	8360	12000	36.50	30	40	30	0.2	20	2250	125	27	330	2	95	26	4.5	16.3	2.4	1100	6	40
GC211233	8200	12000	38.60	35	77	35	0.1	20	2200	135	26	380	2	100	28	3	15.2	3.3	1100	5	40
GC211234	7880	12240	35.60	25	63	145	0.1	20	2050	140	26	930	3	85	28	3.5	15.5	3.8	1000	6	40
GC211235	7880	12080	33.60	45	31	160	0.3	20	2050	155	29	365	2	110	28	2	11	2.6	970	6	40
GC211236	7880	12000	32.10	30	34	85	0.1	20	2050	145	25	600	3	90	24	1.5	13.4	2.6	980	6	40
GC211237	8040	12000	32.90	40	158	45	0.1	20	2000	145	26	460	2	85	24	1	12.9	2.4	940	6	50

APPENDIX Q5

FREQUENCY DISTRIBUTION HISTOGRAMS
QUASAR LAG SURVEY

refer to Appendix Q3 for data
n=127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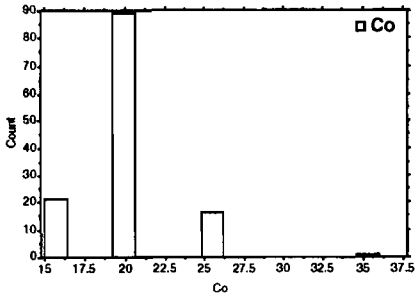
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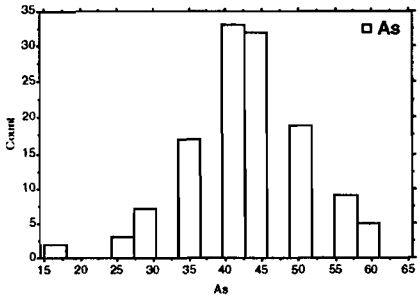
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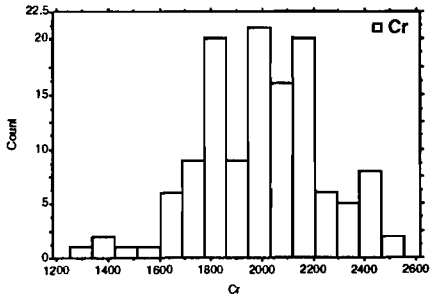
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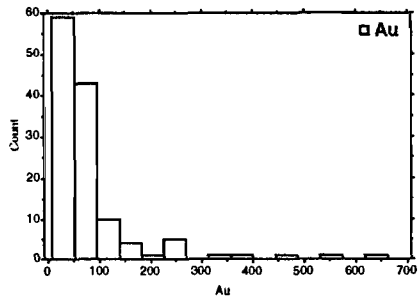
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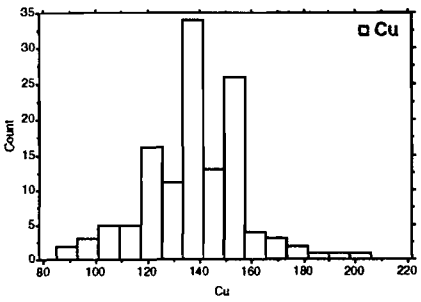
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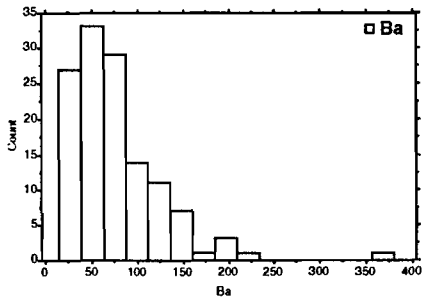
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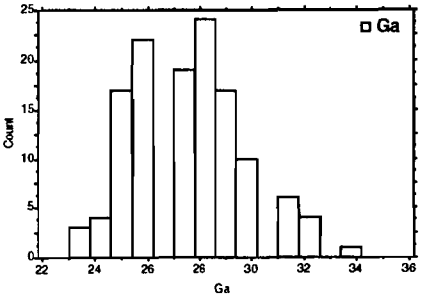
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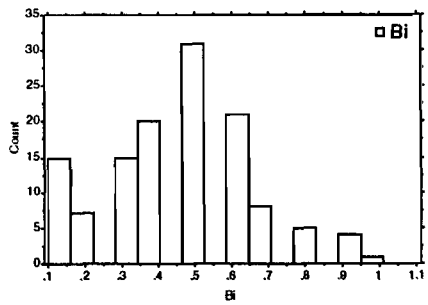
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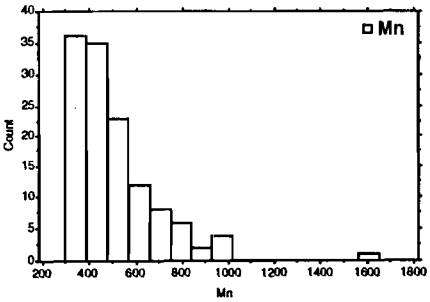
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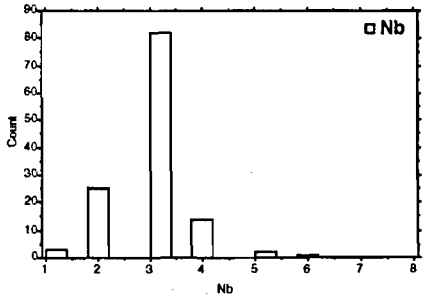
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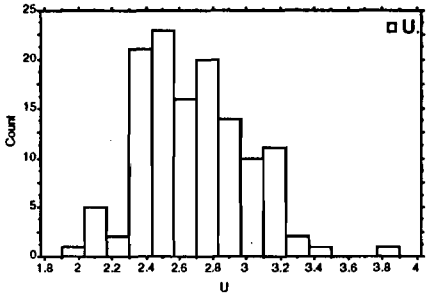
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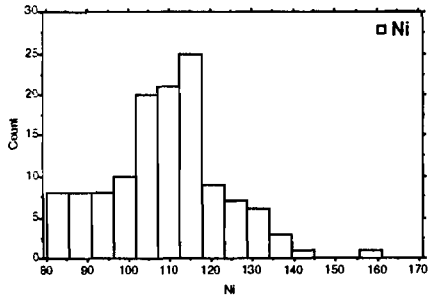
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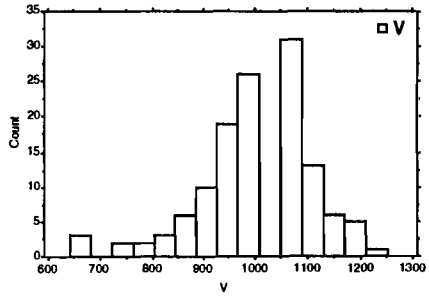
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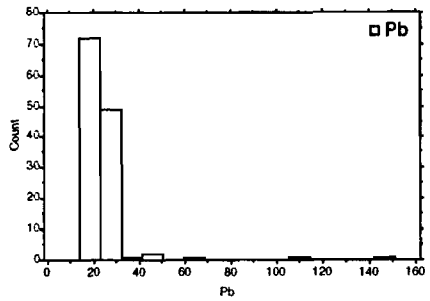
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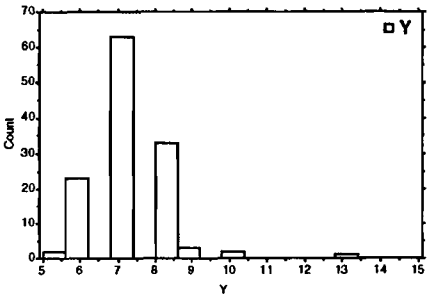
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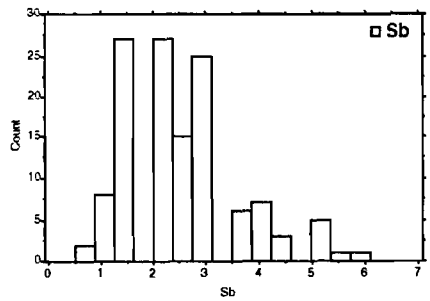
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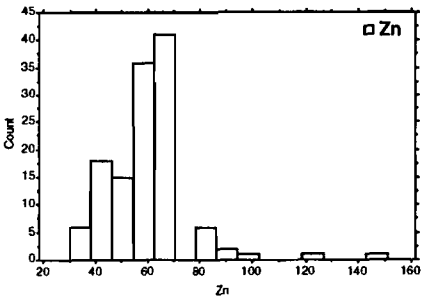
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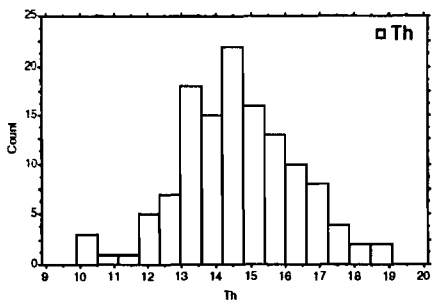
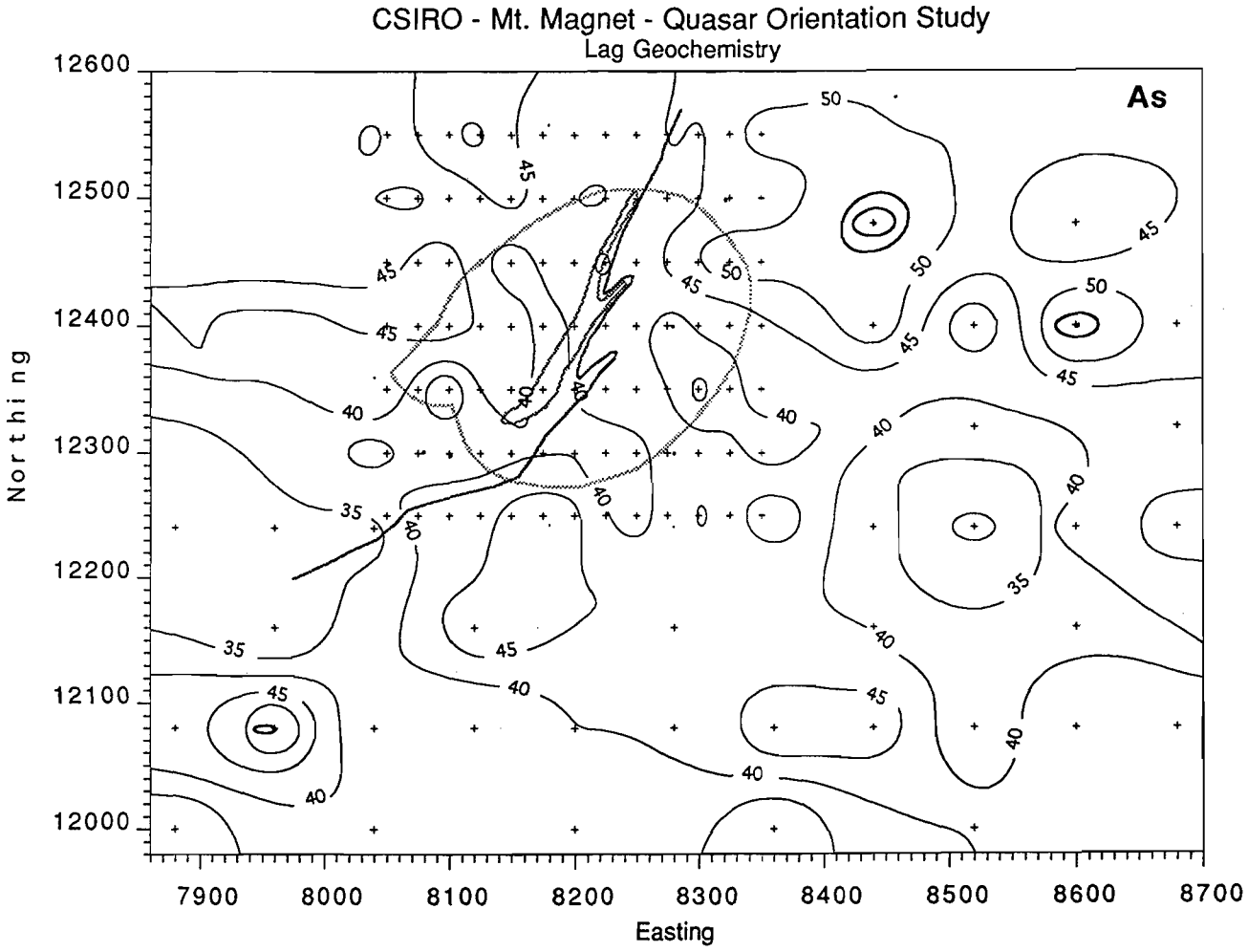

Th
Count
Th

APPENDIX Q6

CONTOURED GEOCHEMISTRY
QUASAR LAG SURVEY AND AVERAGE COLLUVIUM

refer to Appendices Q4 and Q1 for data
Lag n=127
Colluvium Average n=58


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
As
Northing
Easting
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12500
12400
12300
12200
12100
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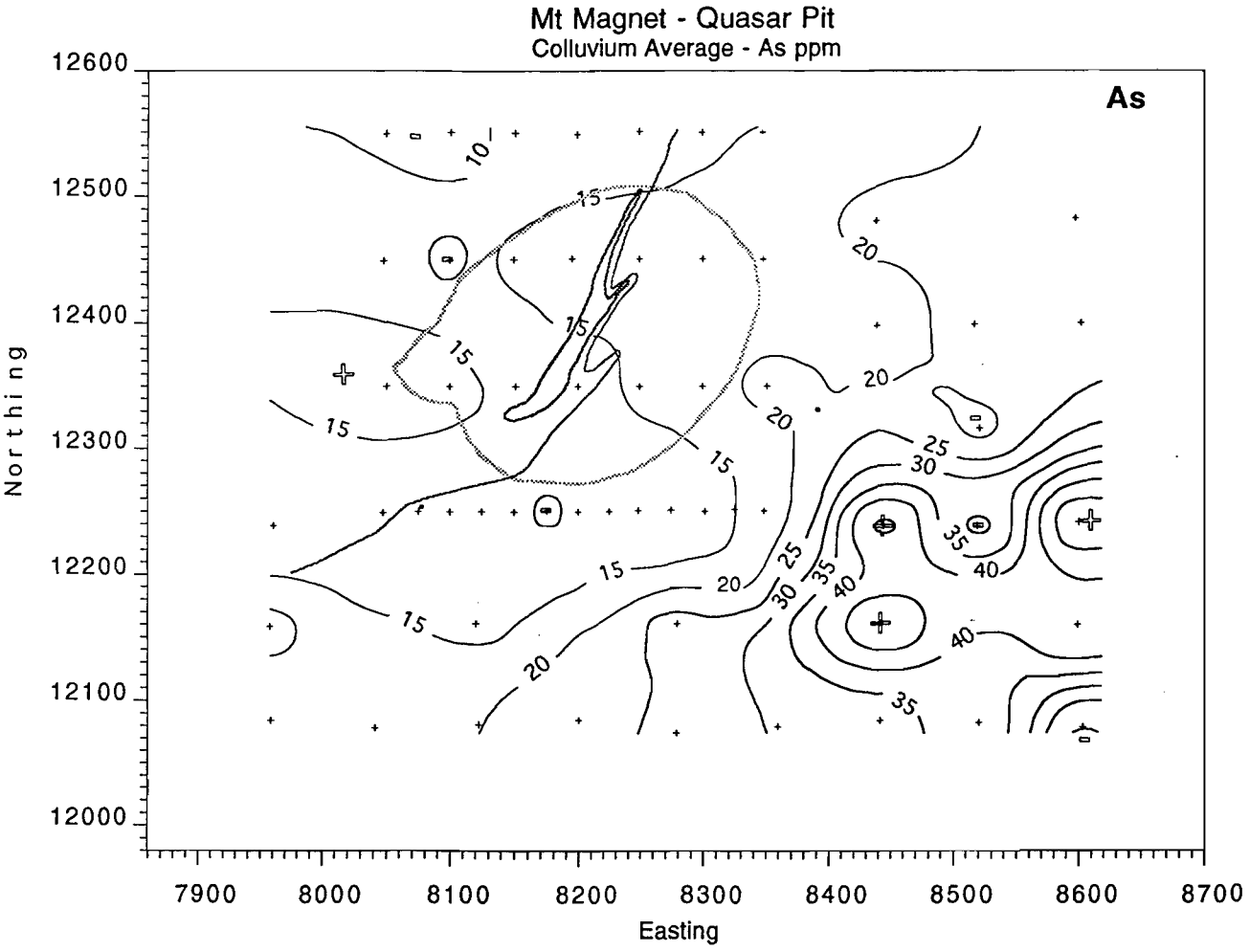
8100
8200
8300
8400
8500
8600
8700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Colluvium Average - As ppm
As
Northing
Easting
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12500
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12200
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12000
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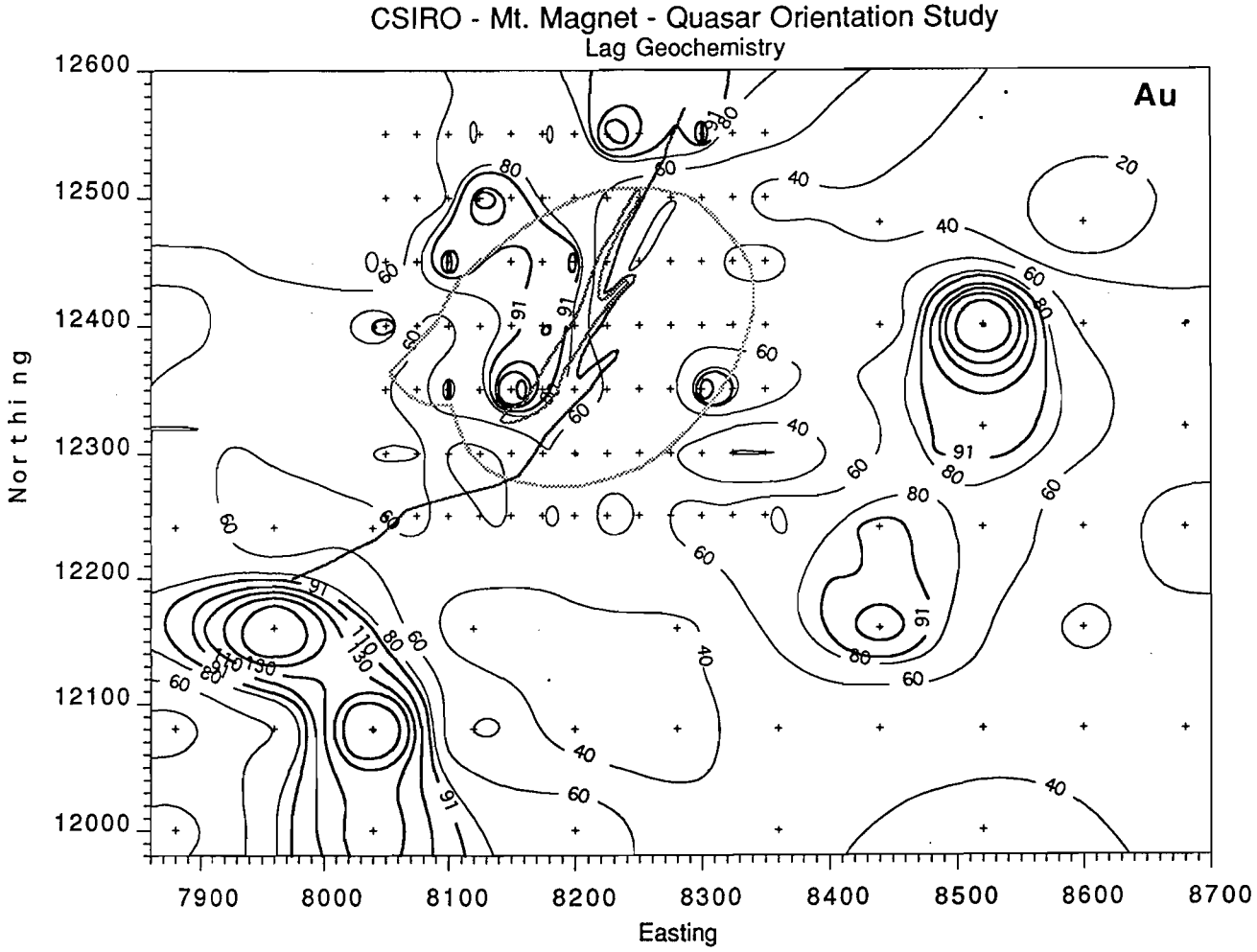
8100
8200
8300
8400
8500
8600
8700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Lag Geochemistry
Au
Northing
Easting
12600
12500
12400
12300
12200
12100
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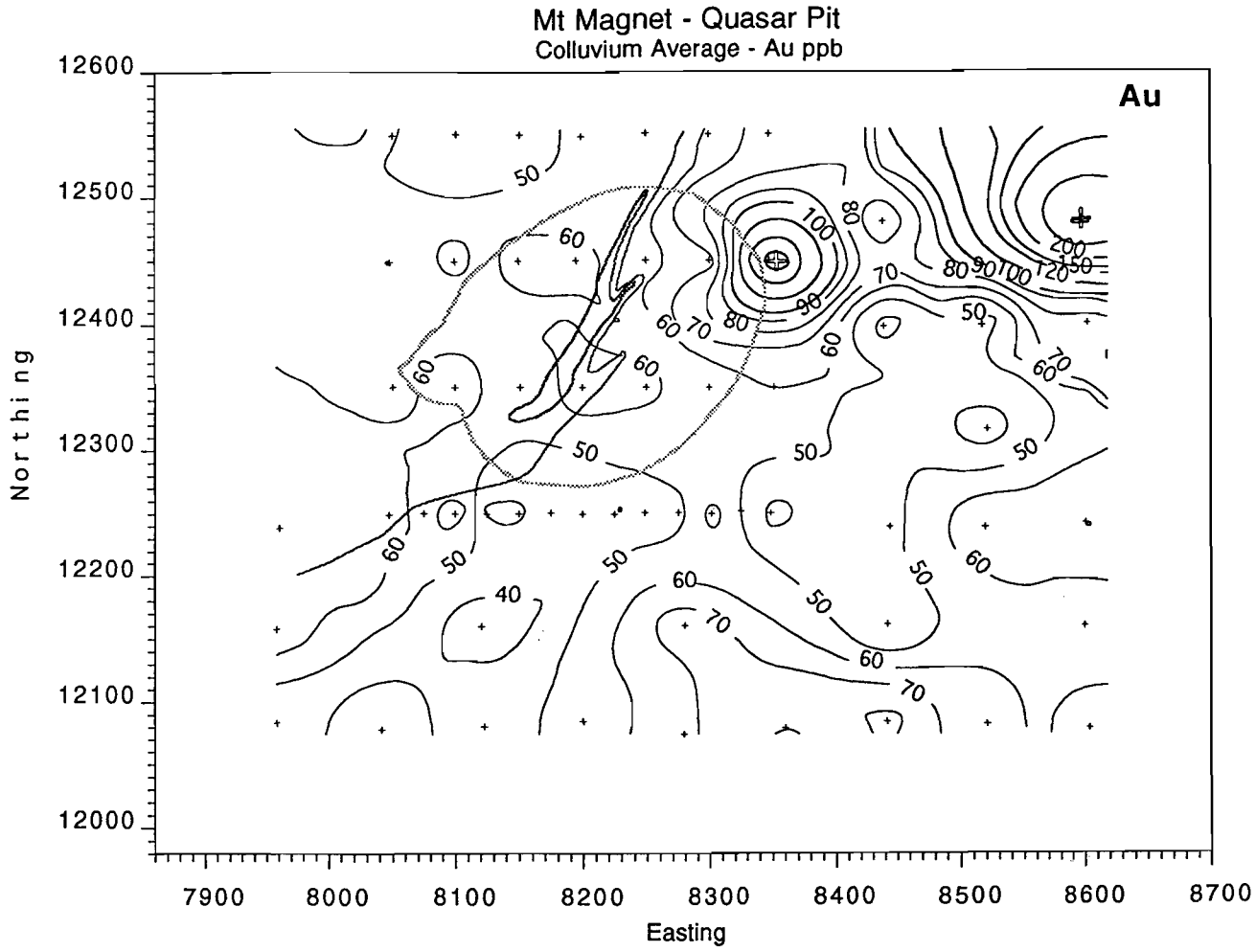
8200
8300
8400
8500
8600
8700


Mt Magnet - Quasar Pit
Colluvium Average - Au ppb
Au
Northing
Easting
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12100
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8200
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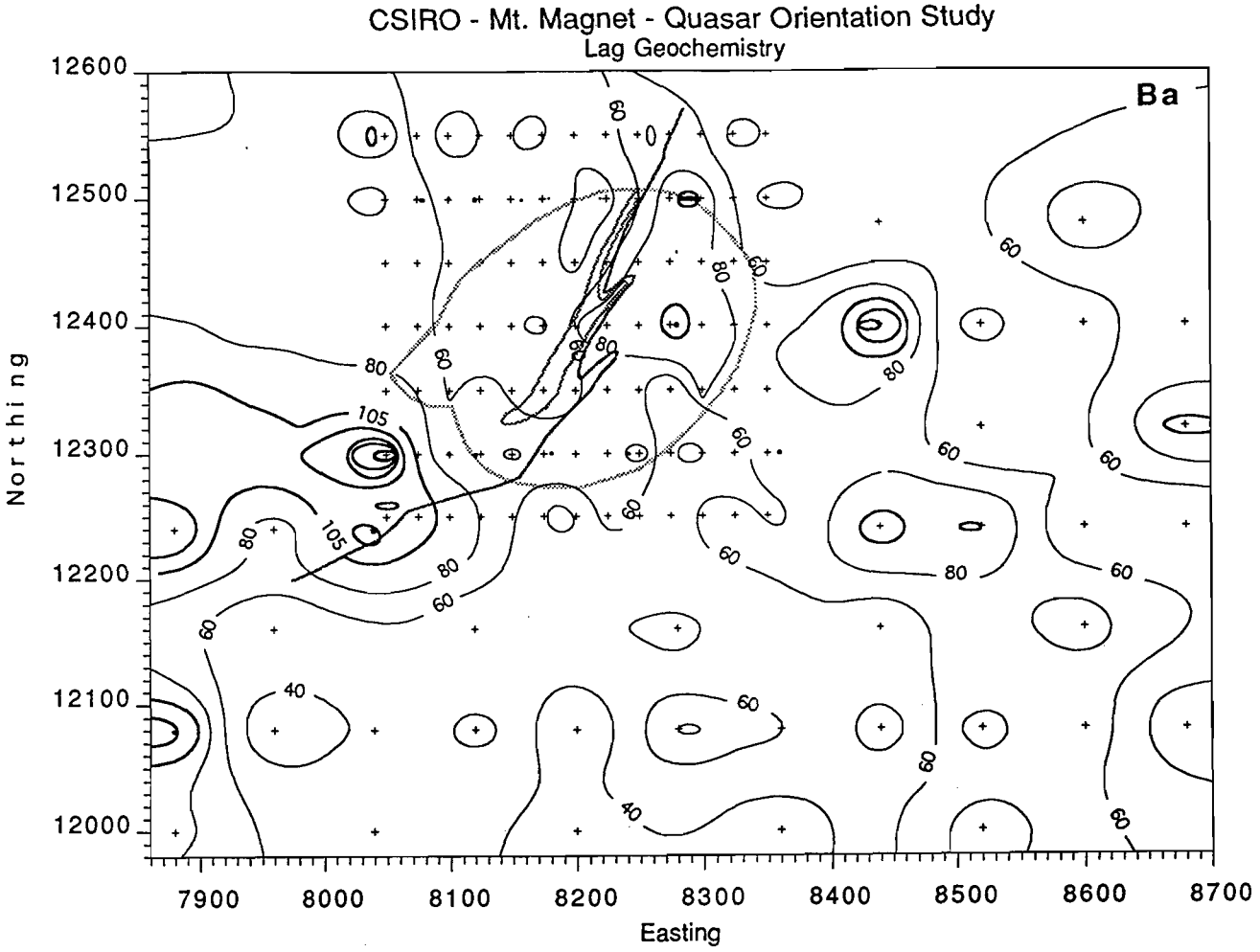
8500
8600
8700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Lag Geochemistry
Ba
Northing
Easting
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12500
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12200
12100
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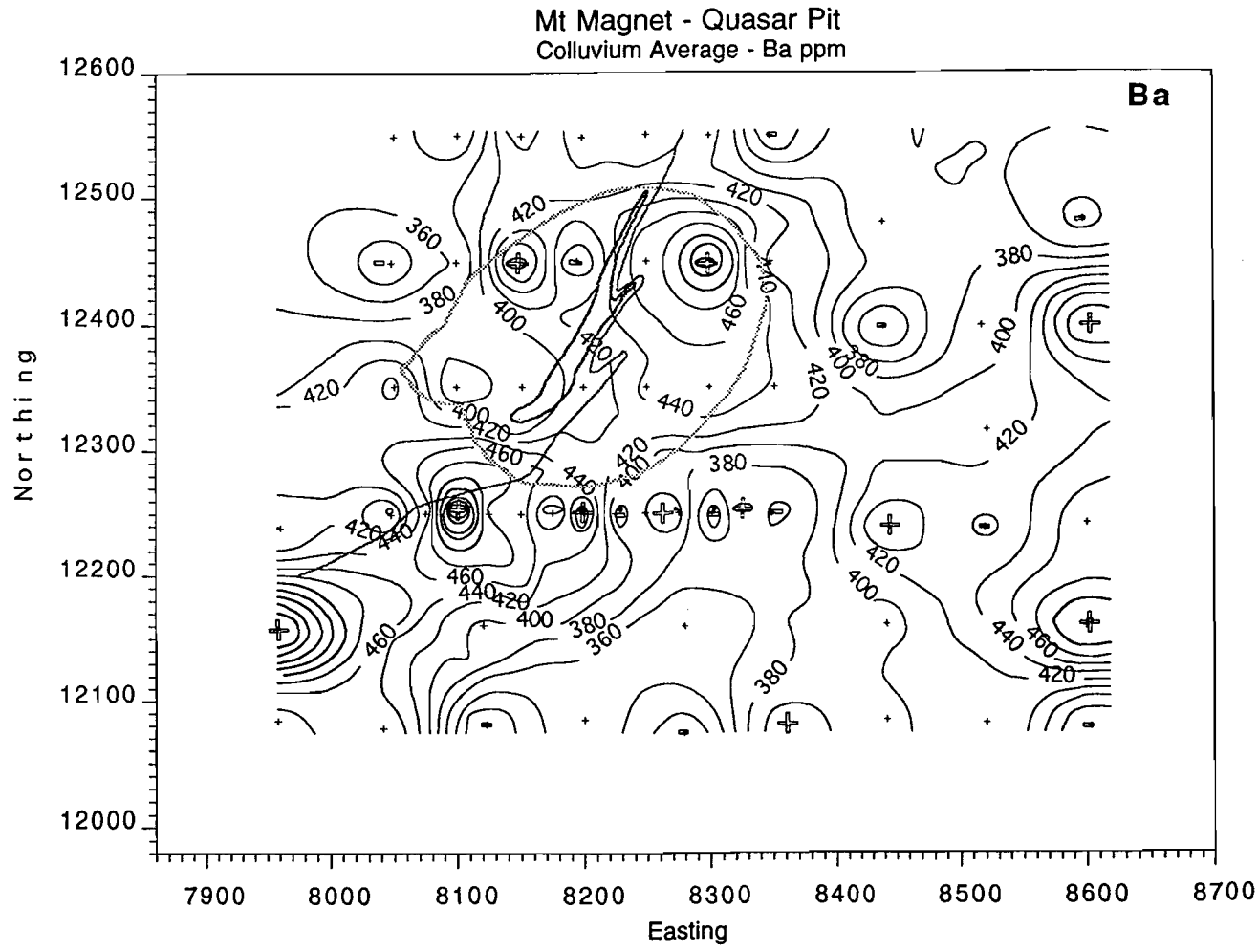
Mt Magnet - Quasar Pit
Colluvium Average - Ba ppm
Ba
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Easting
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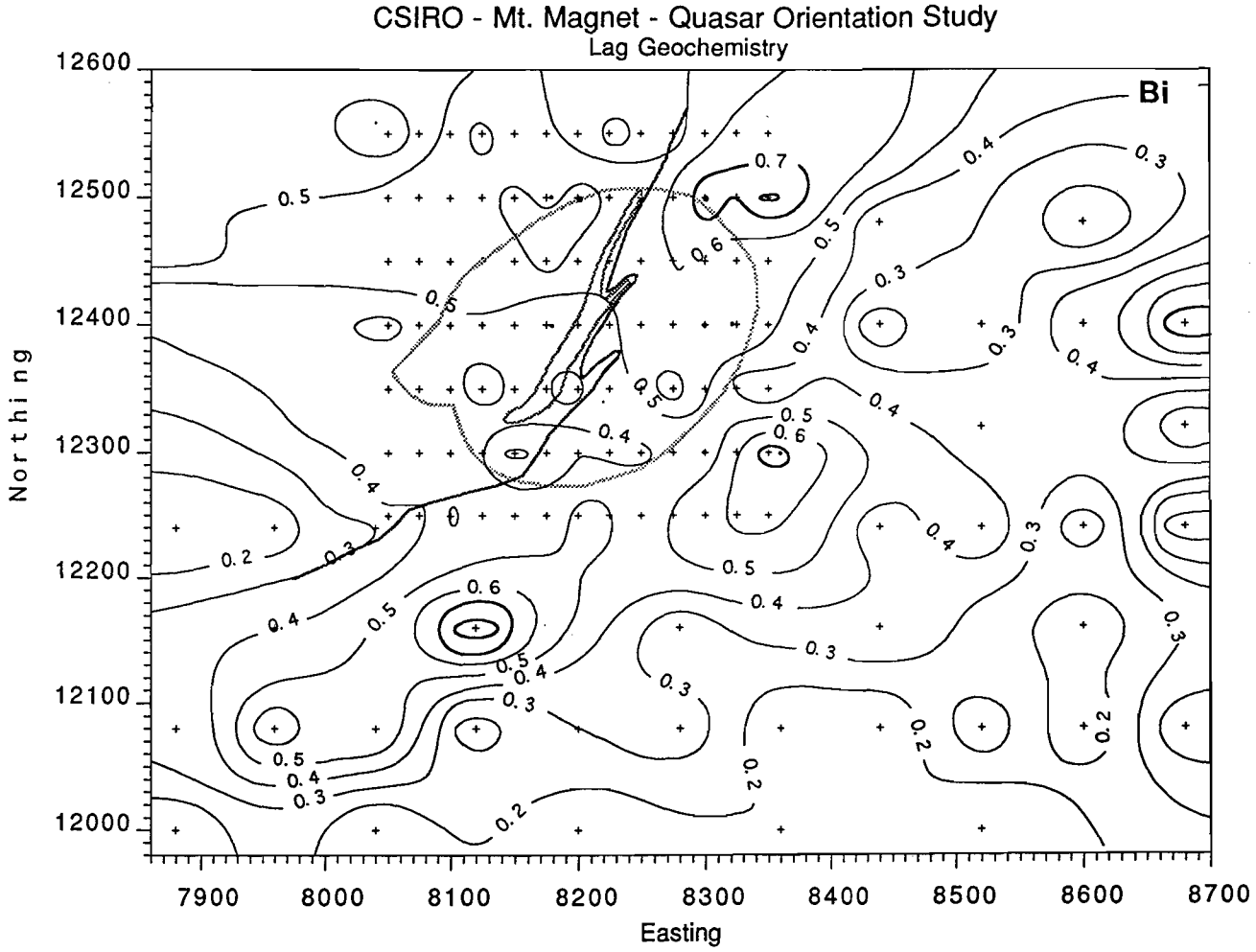
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Lag Geochemistry
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Easting
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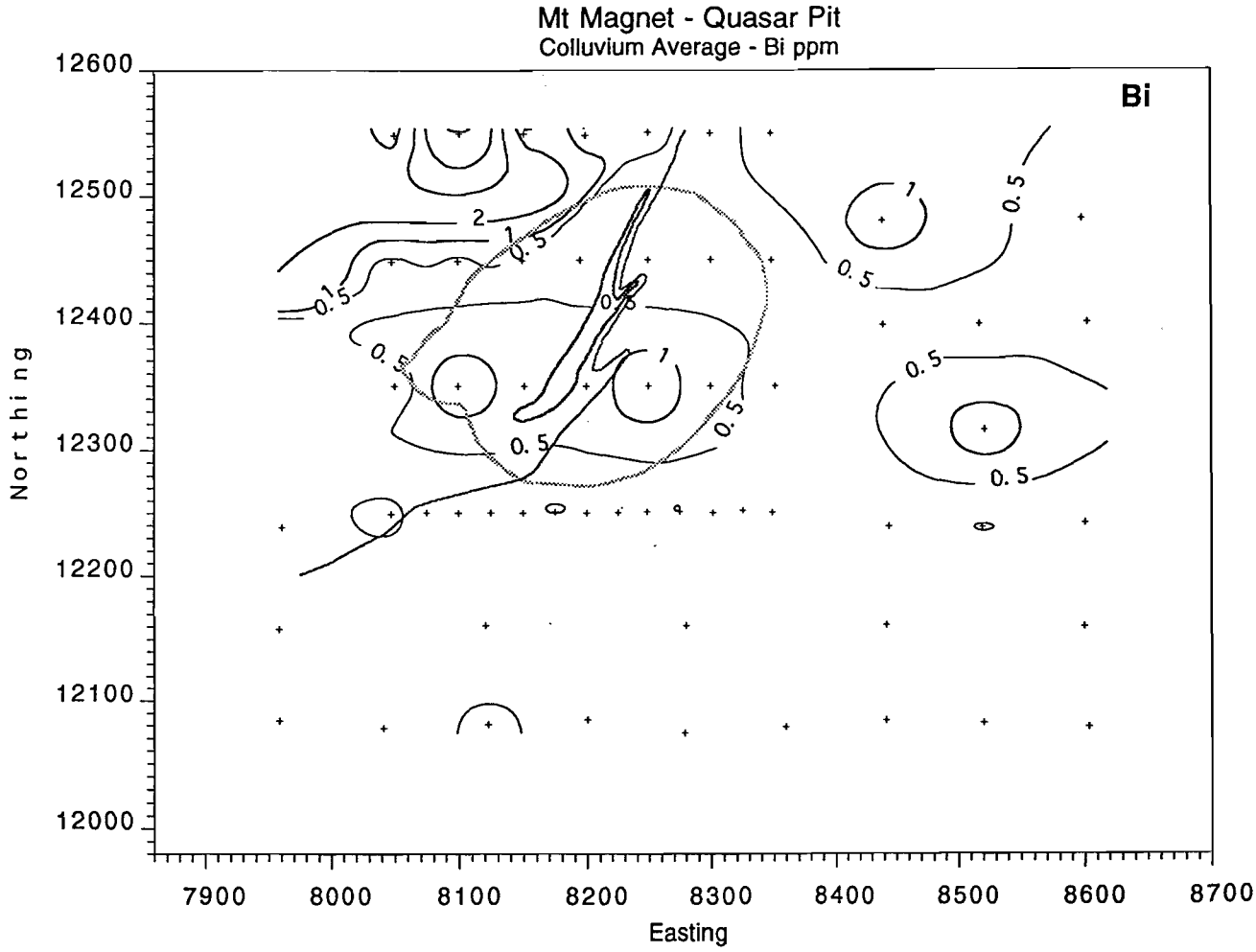
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Colluvium Average - Bi ppm
Bi
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Easting
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8200
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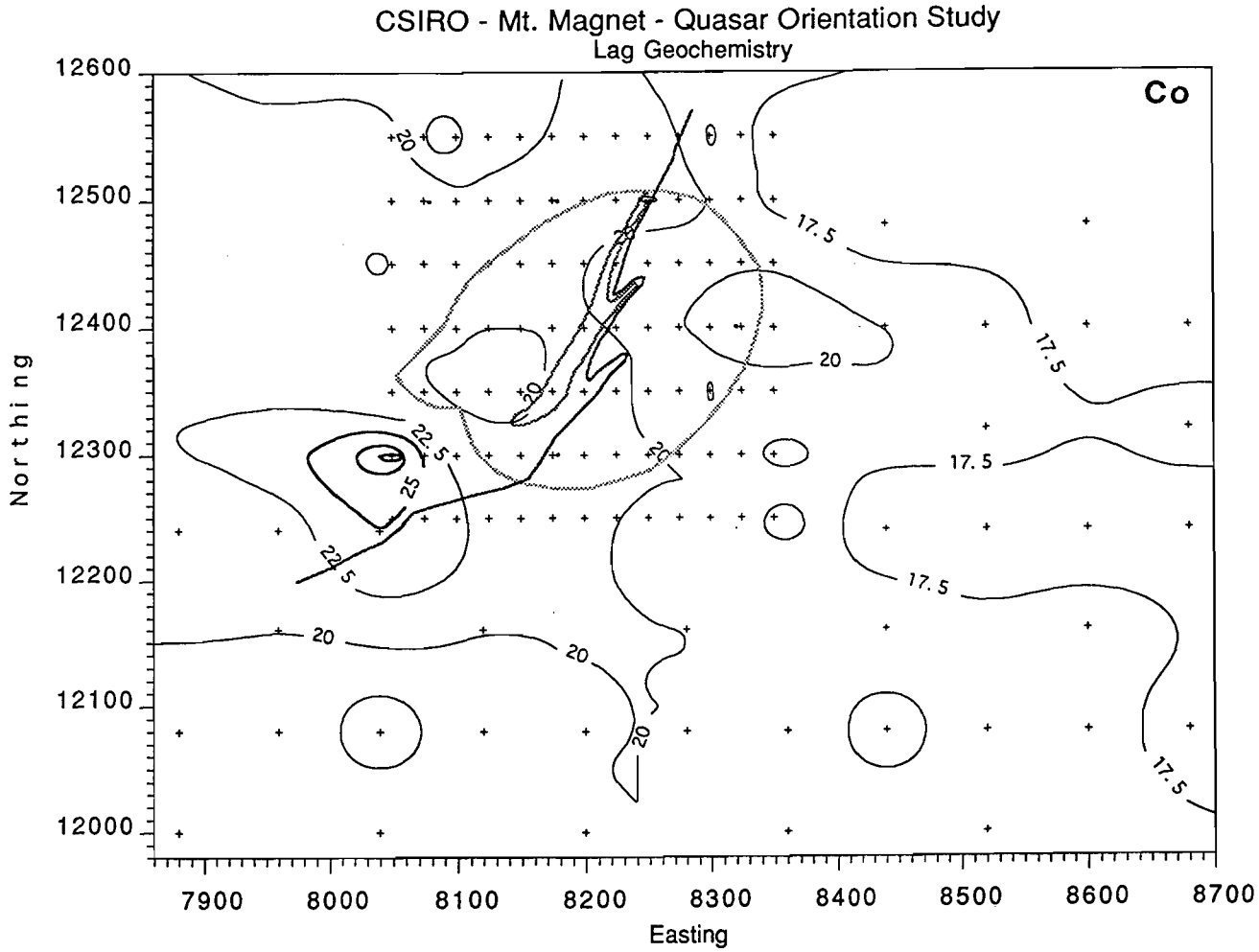
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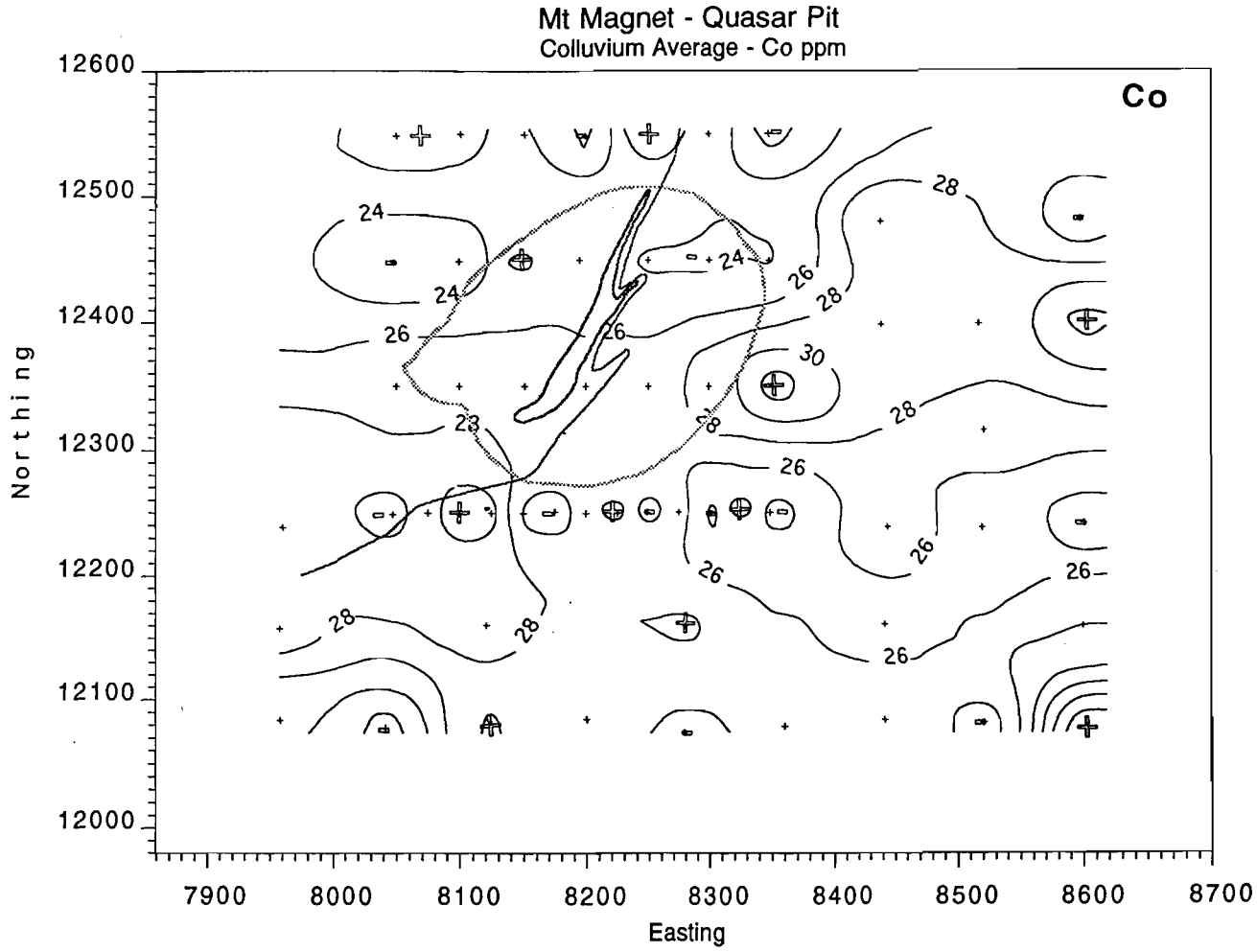
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Colluvium Average - Co ppm
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Easting
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12200
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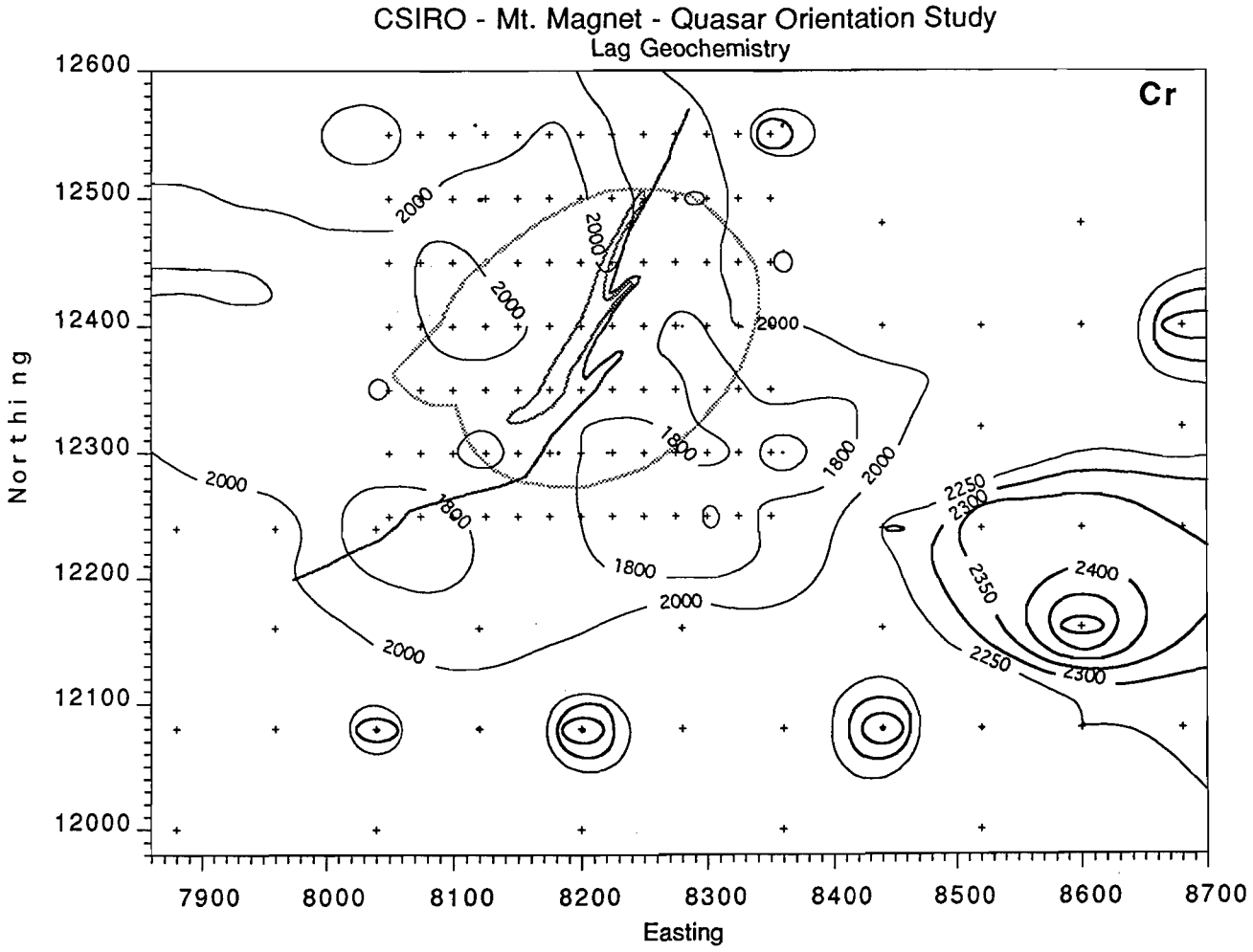
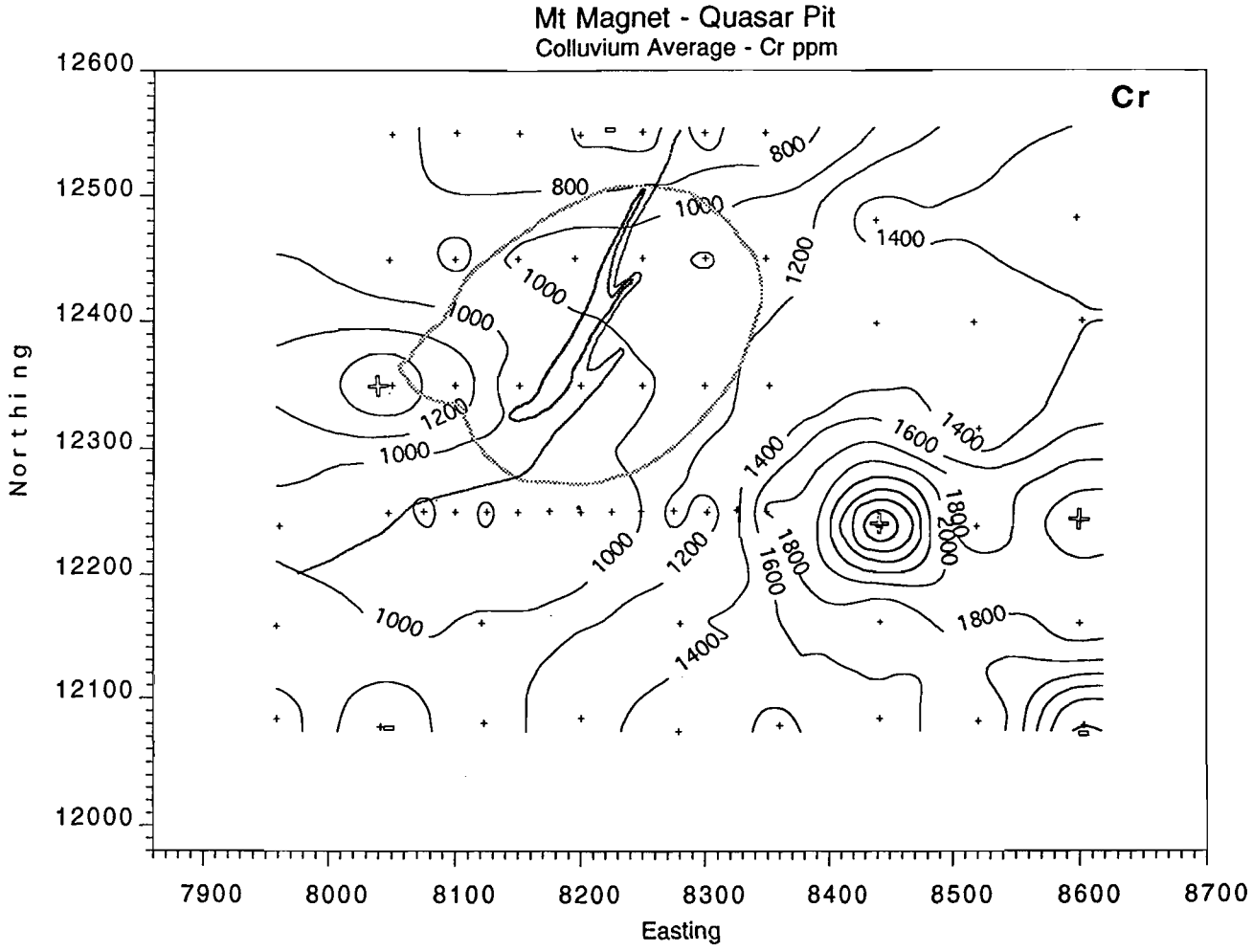
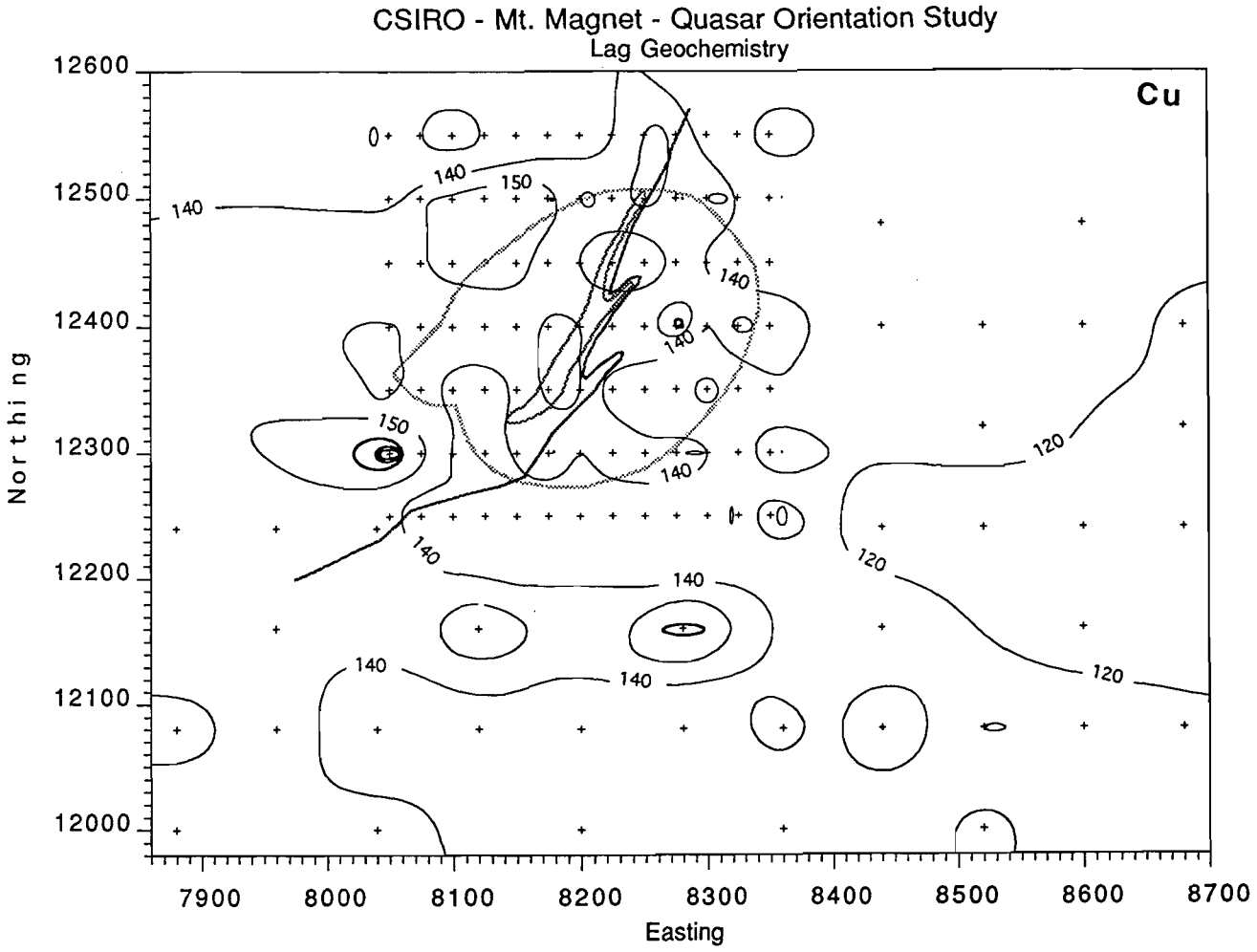
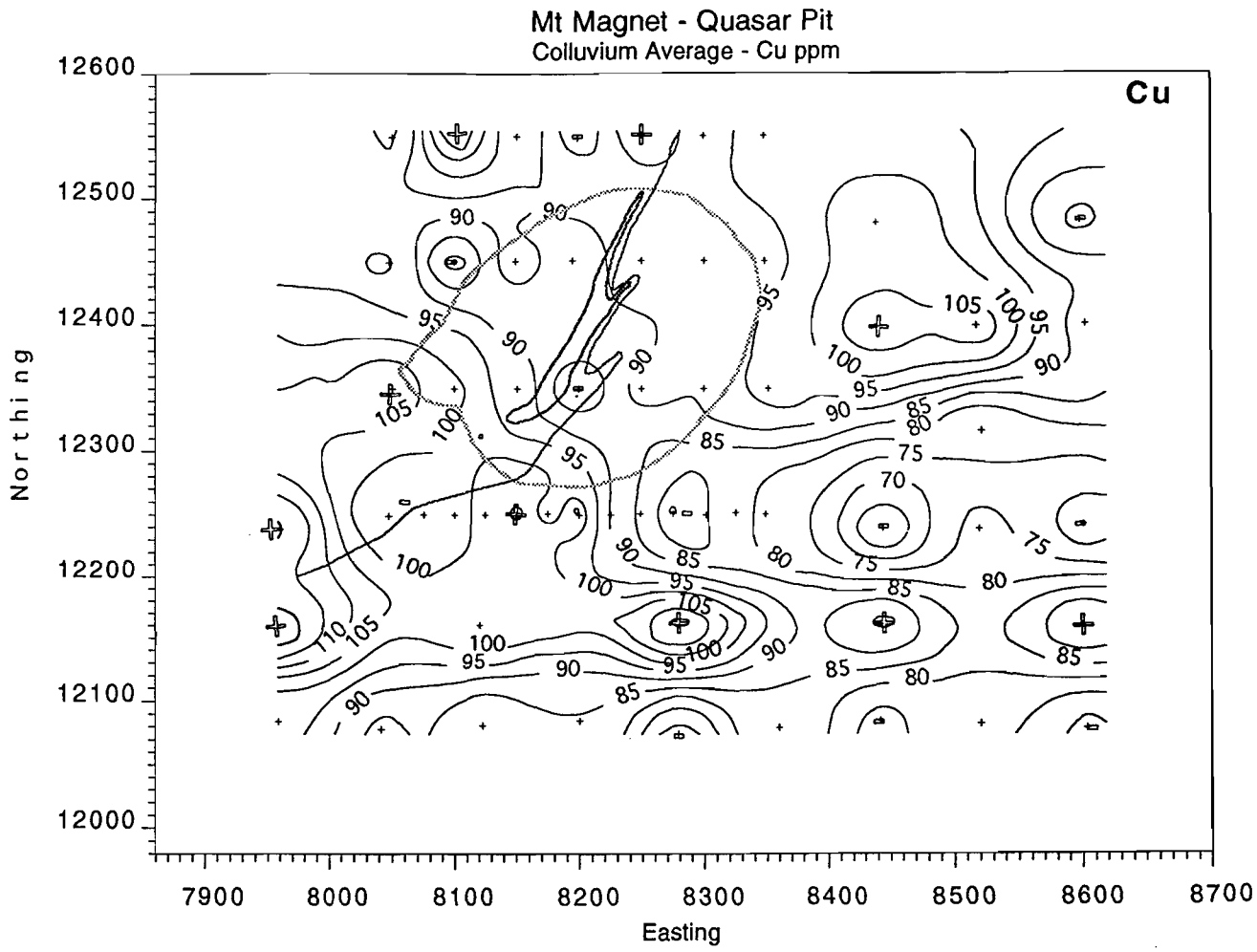
8200
8300
8400
8500
8600
8700
24
26
28
30


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Cr
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
2000
1800
2250
2300
2350
2400


Mt Magnet - Quasar Pit
Colluvium Average - Cr ppm
Cr
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
800
1000
1200
1400
1600
1800


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Cu
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
0
140
150
120


Mt Magnet - Quasar Pit
Colluvium Average - Cu ppm
Cu
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
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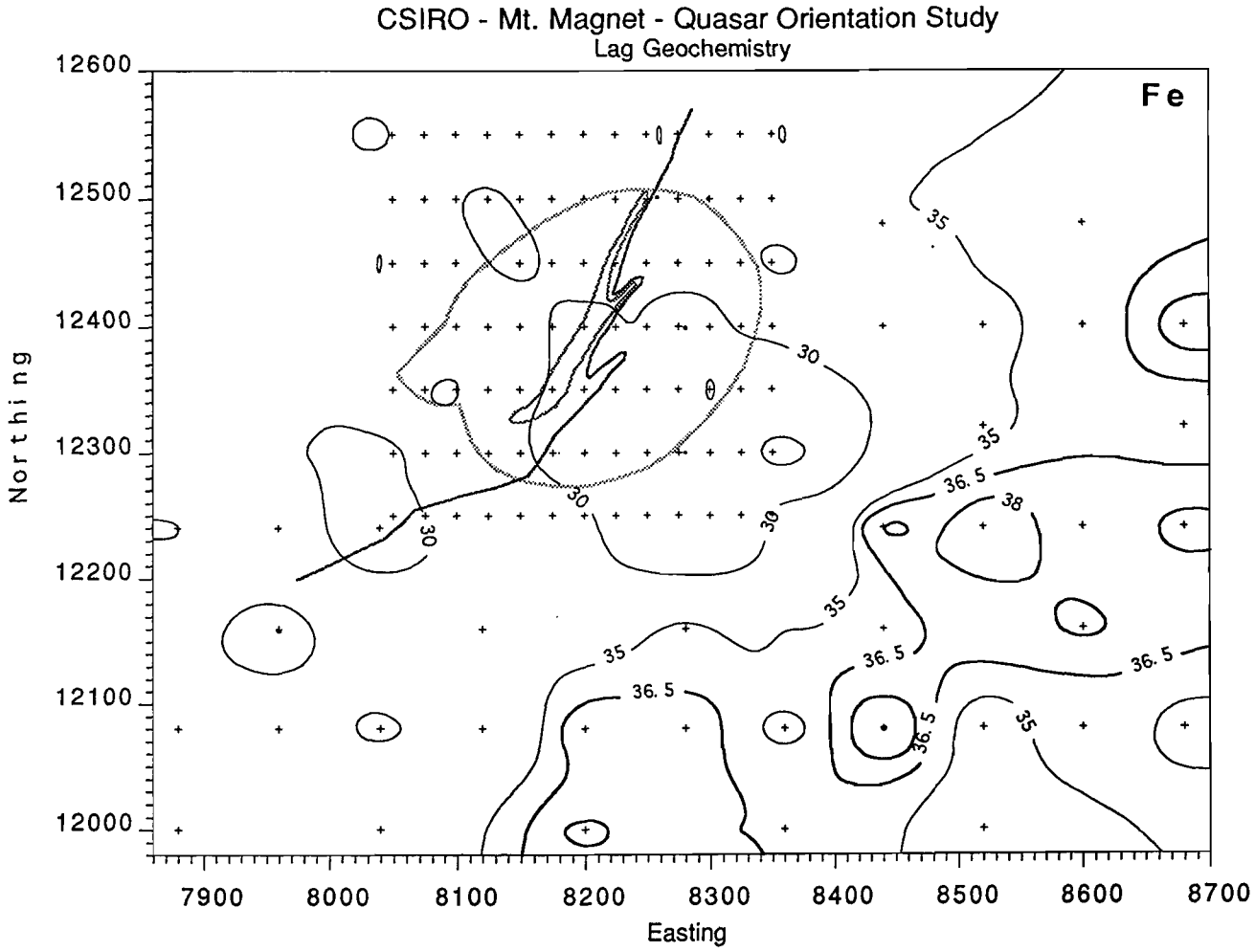
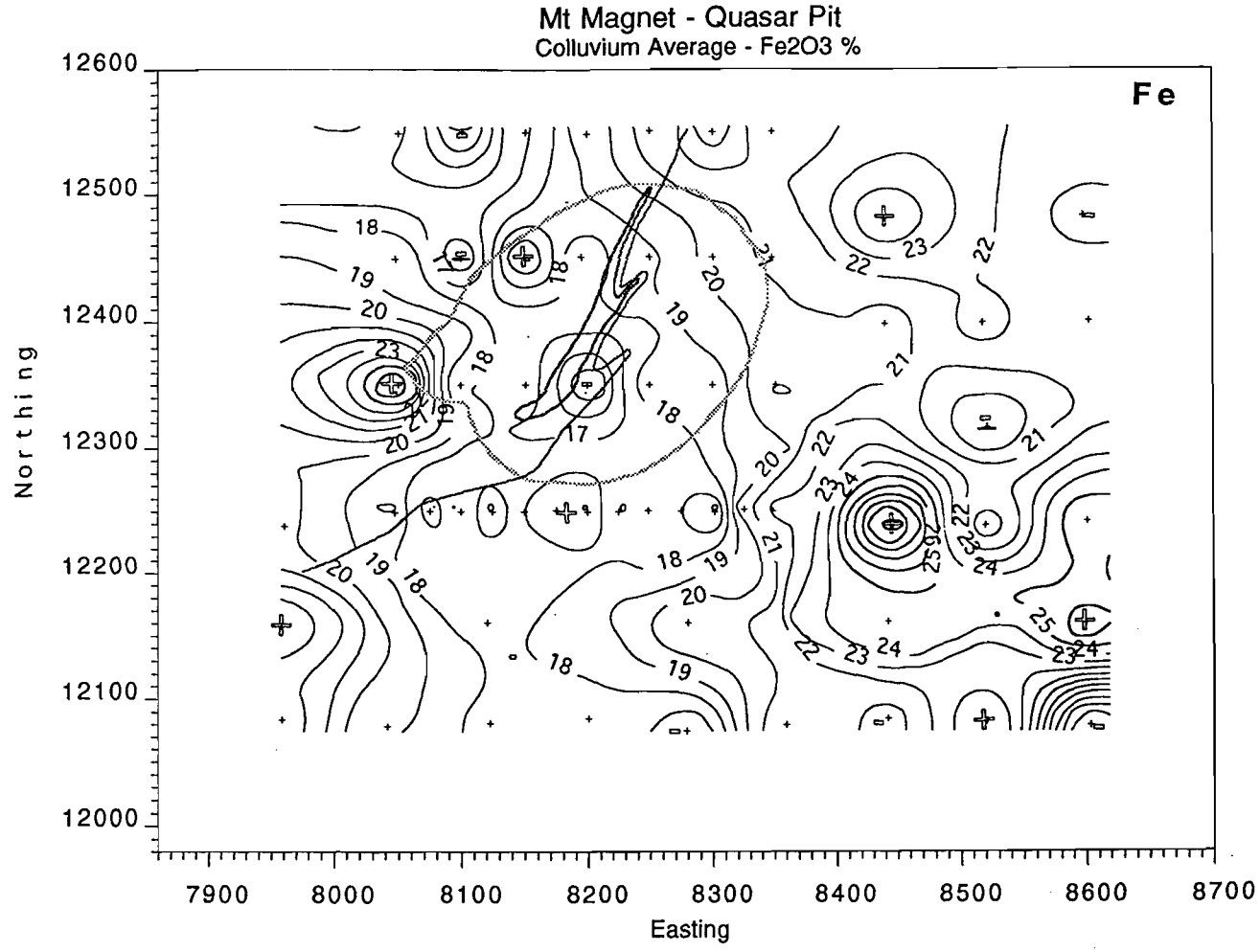
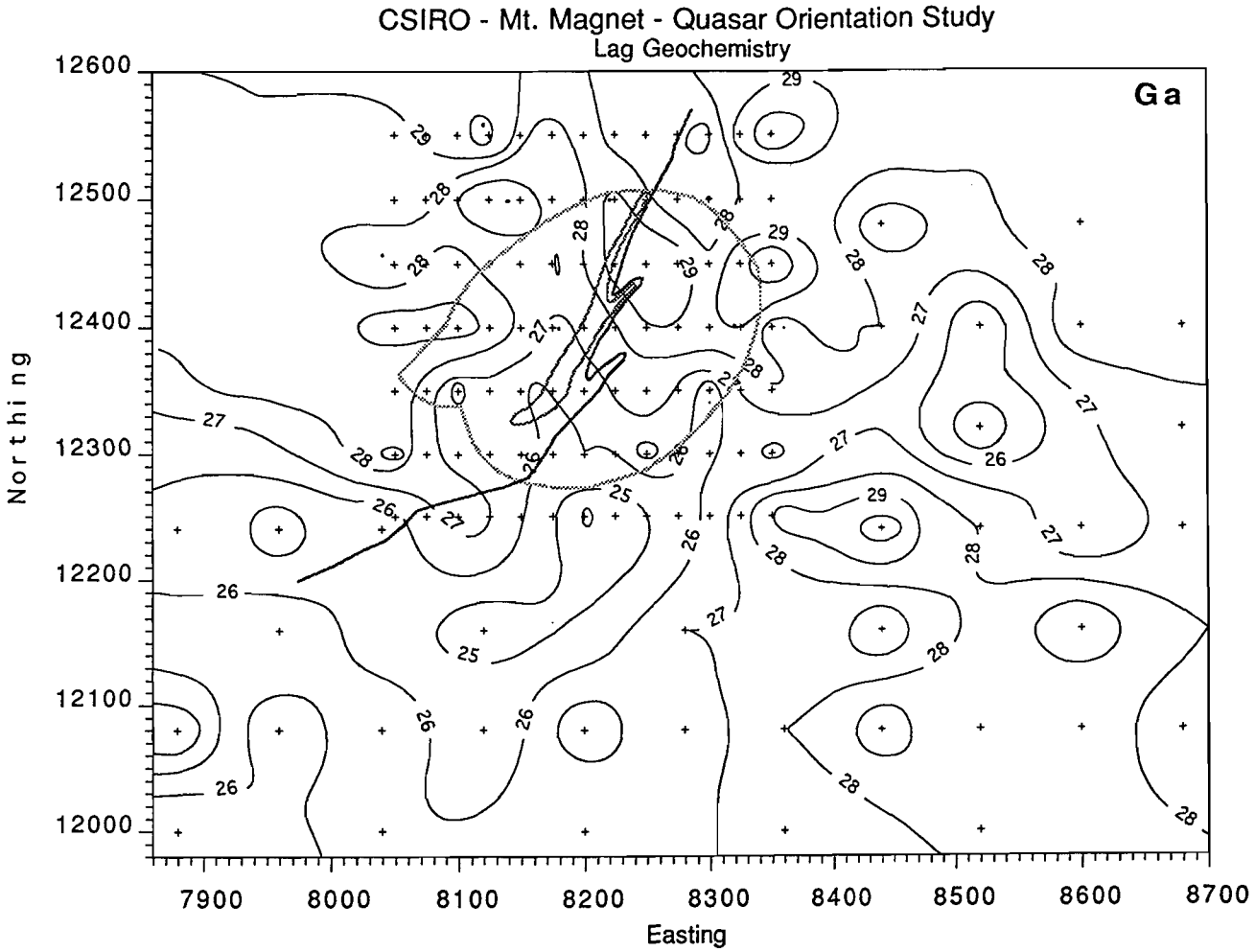
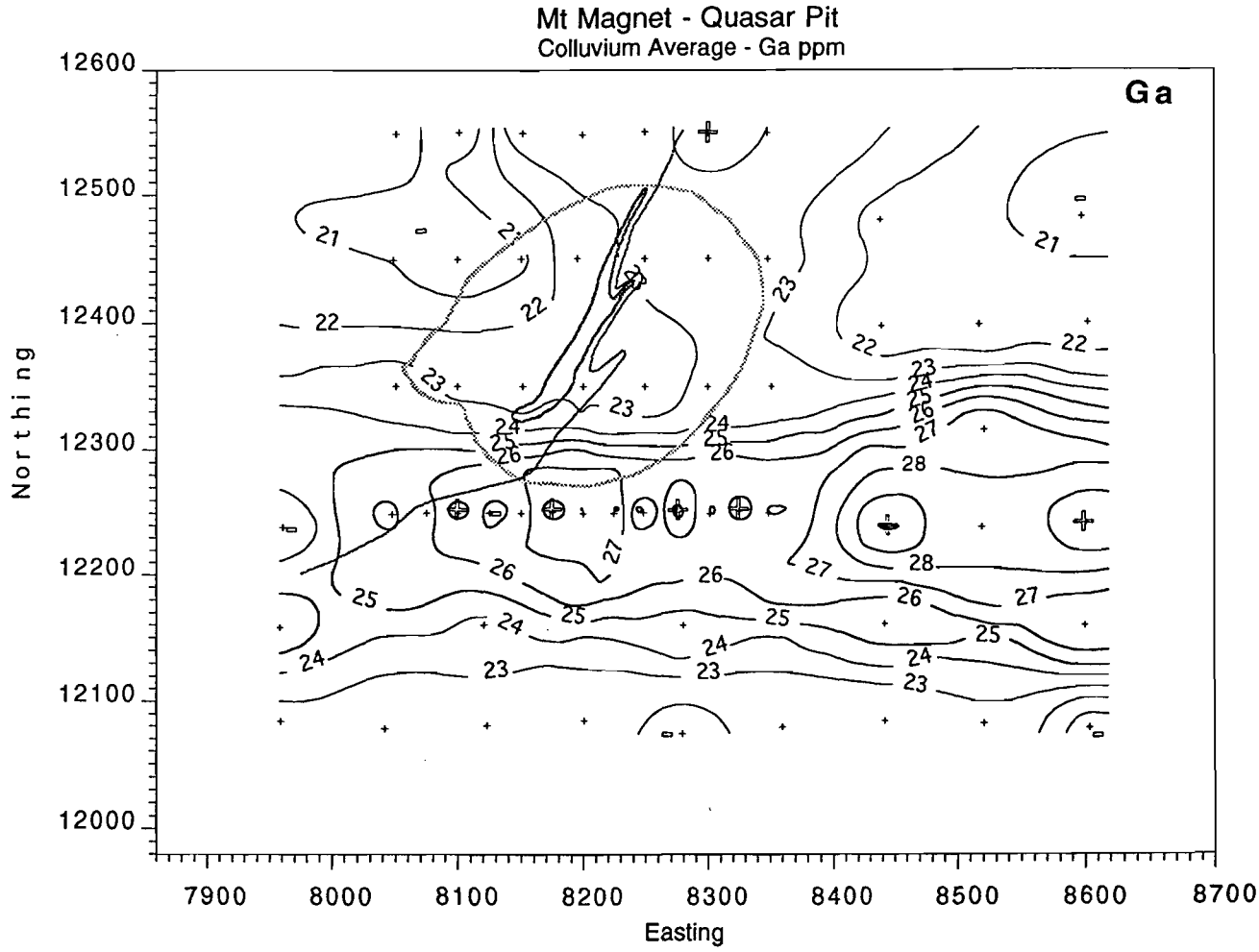
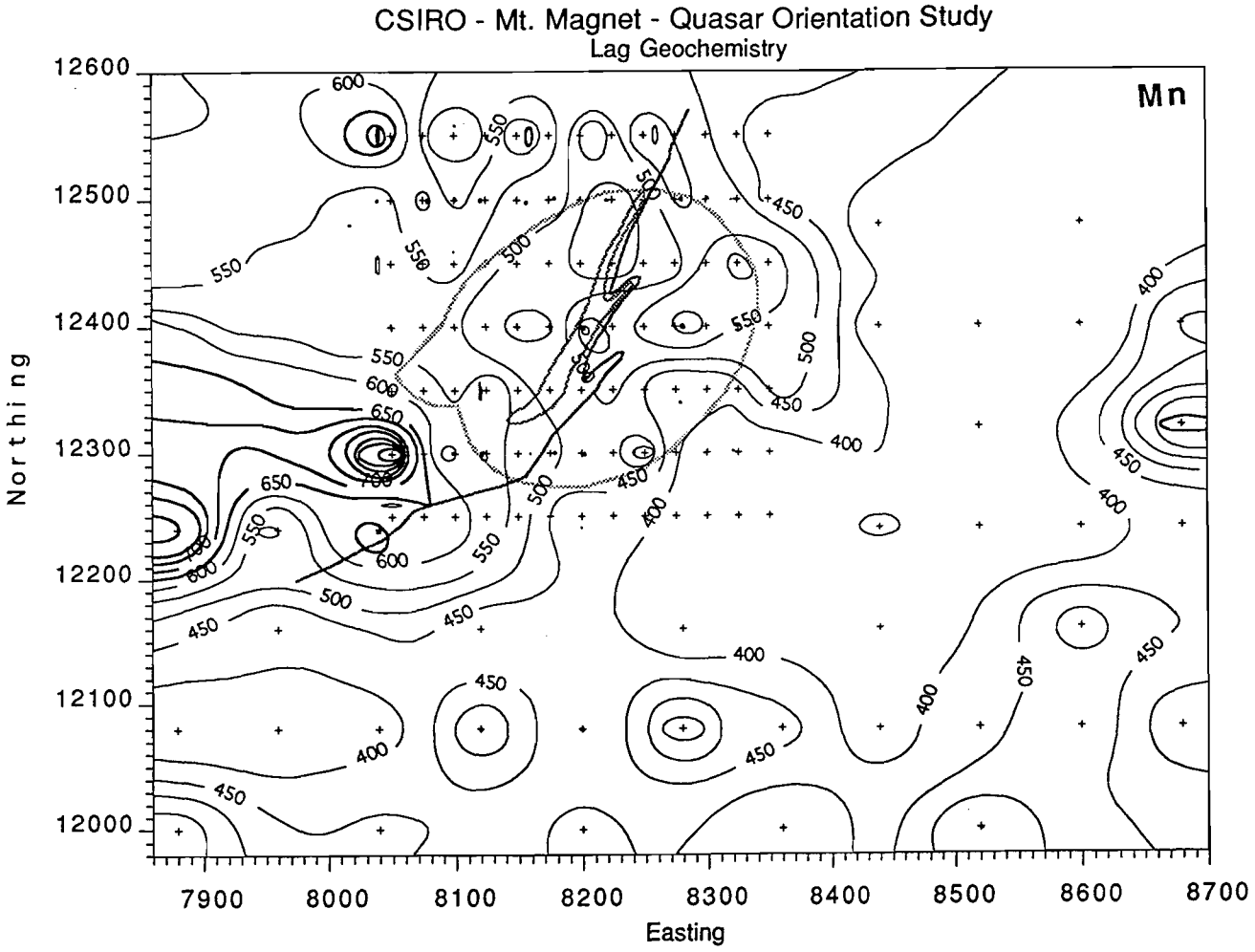
90
95
100
105
110
85
80
75
70


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Fe
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Colluvium Average - Fe2O3 %
Fe
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Ga
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700


Mt Magnet - Quasar Pit
Colluvium Average - Ga ppm
Ga
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Mn
Northing
Easting
12600
12500
12400
12300
12200
12100
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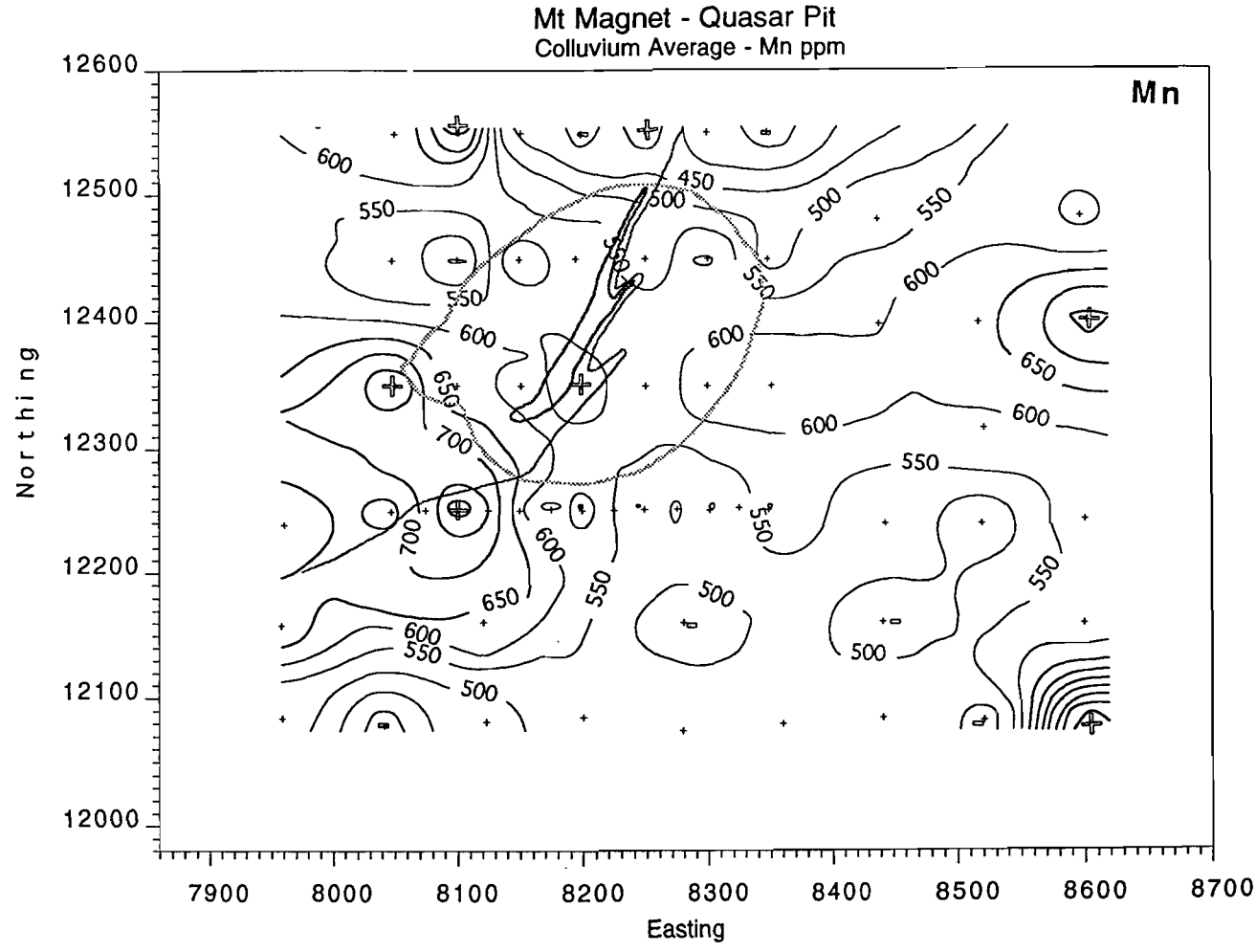
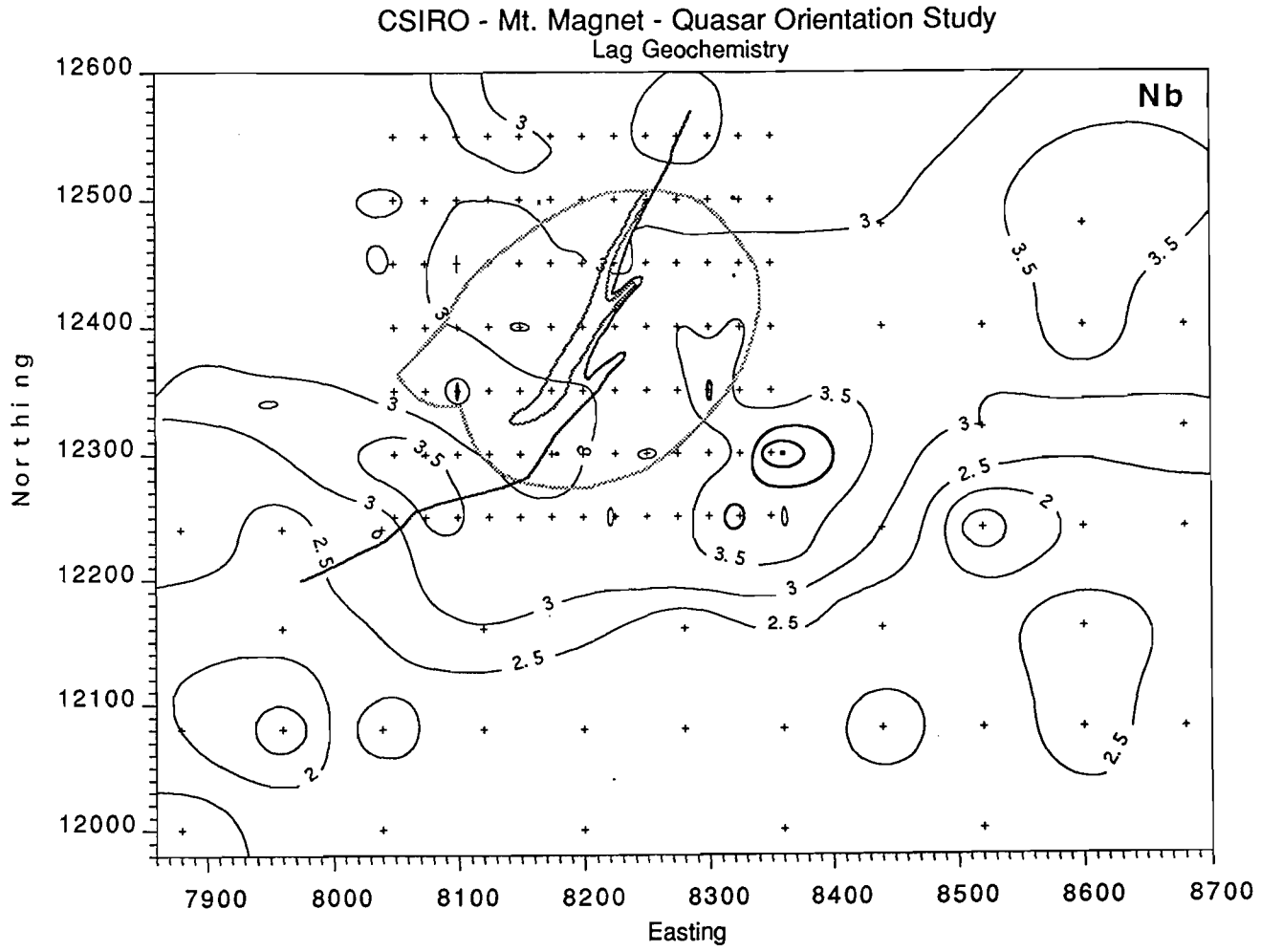
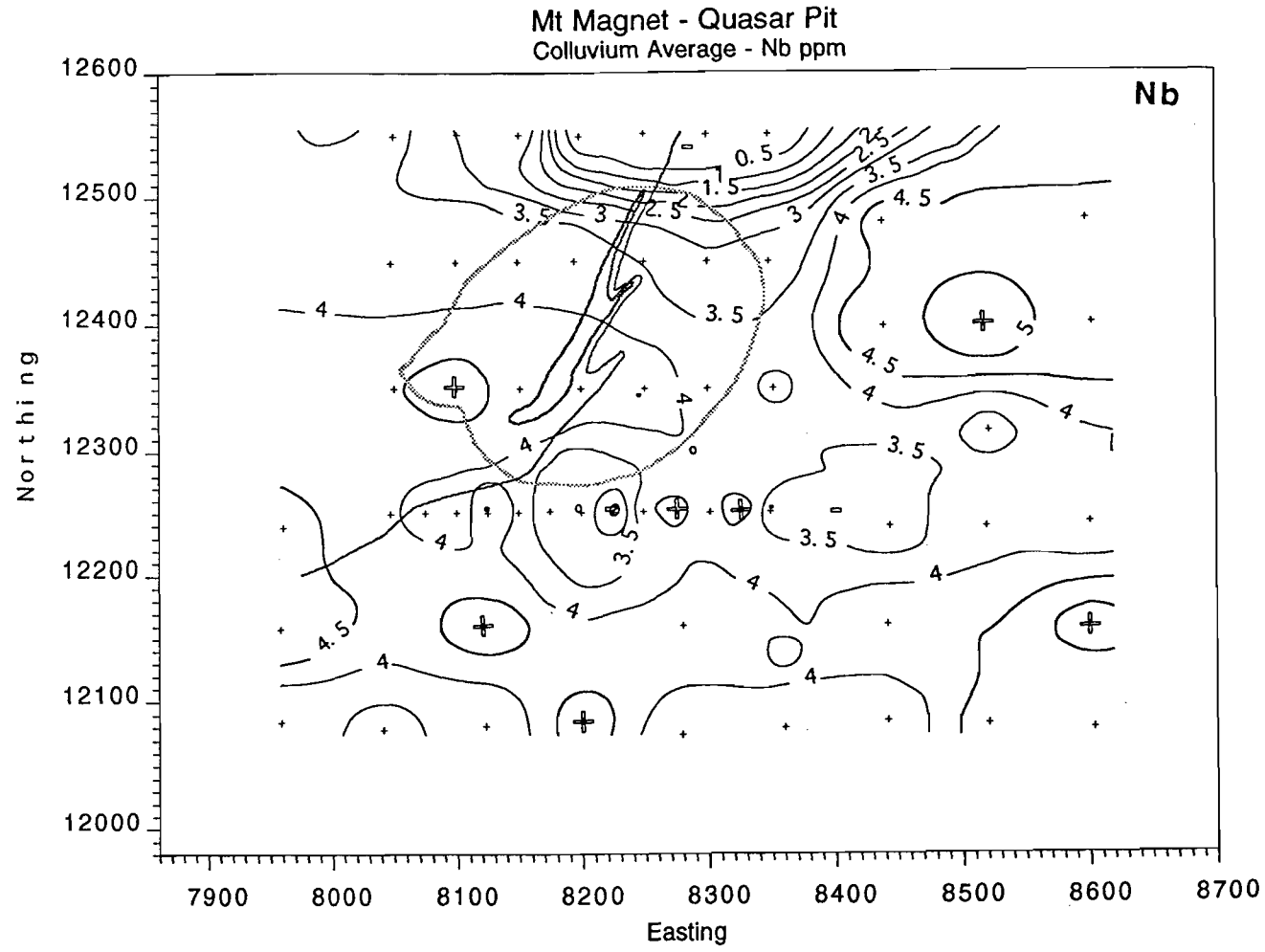
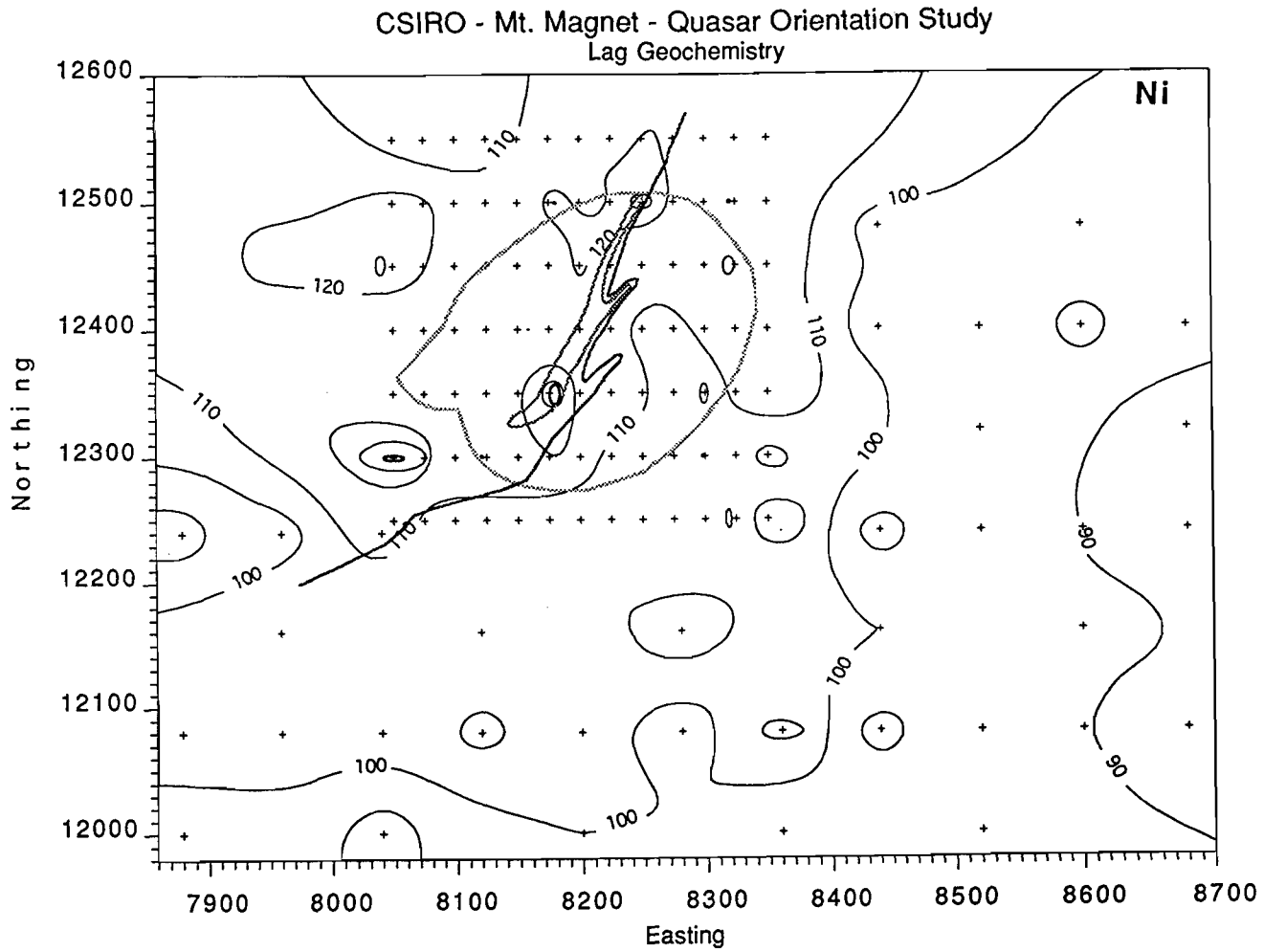
7900
8000
8100
8200
8300
8400
8500
8600
8700


Mt Magnet - Quasar Pit
Colluvium Average - Mn ppm
Mn
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Nb
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Colluvium Average - Nb ppm
Nb
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Ni
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
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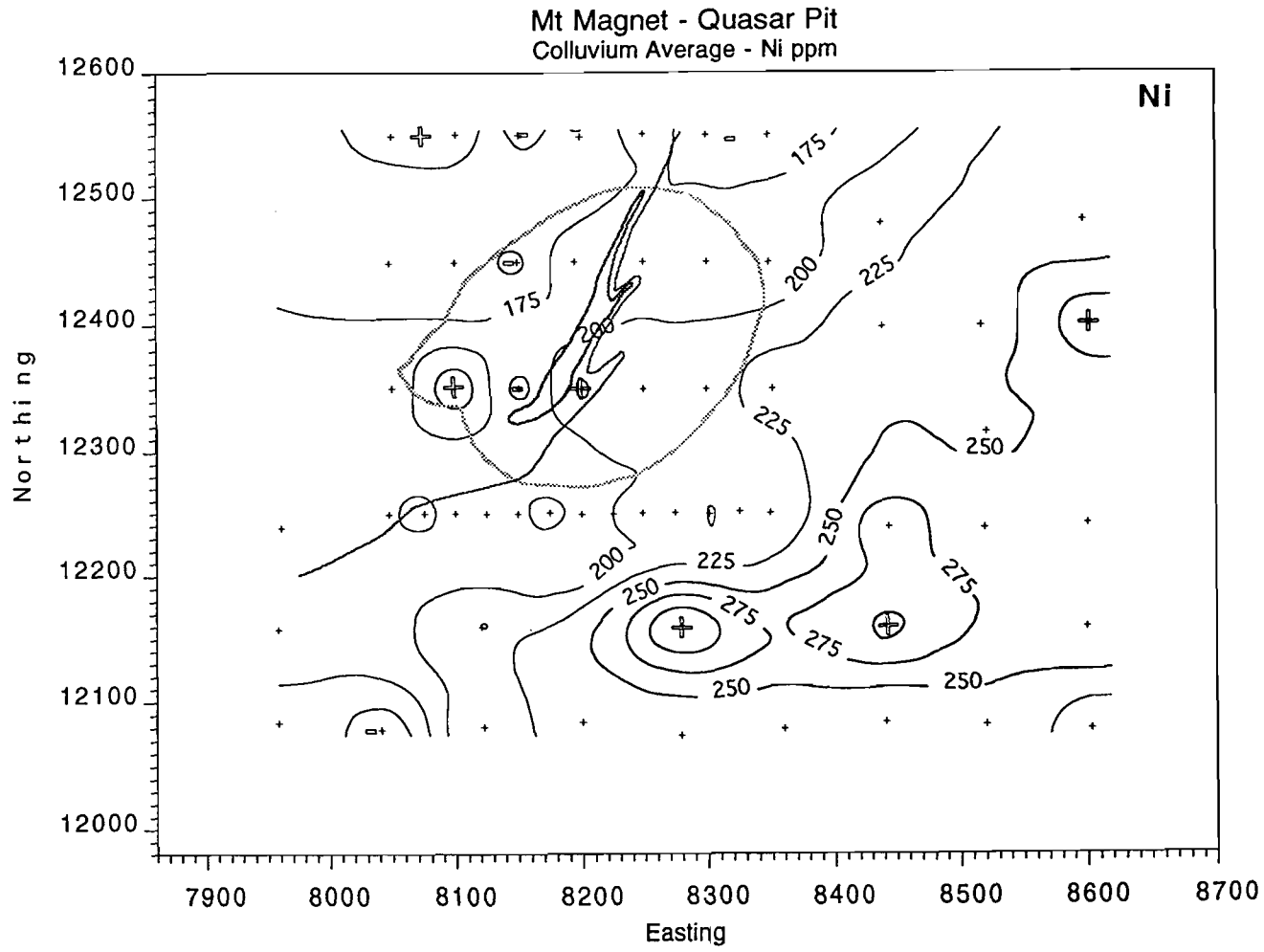
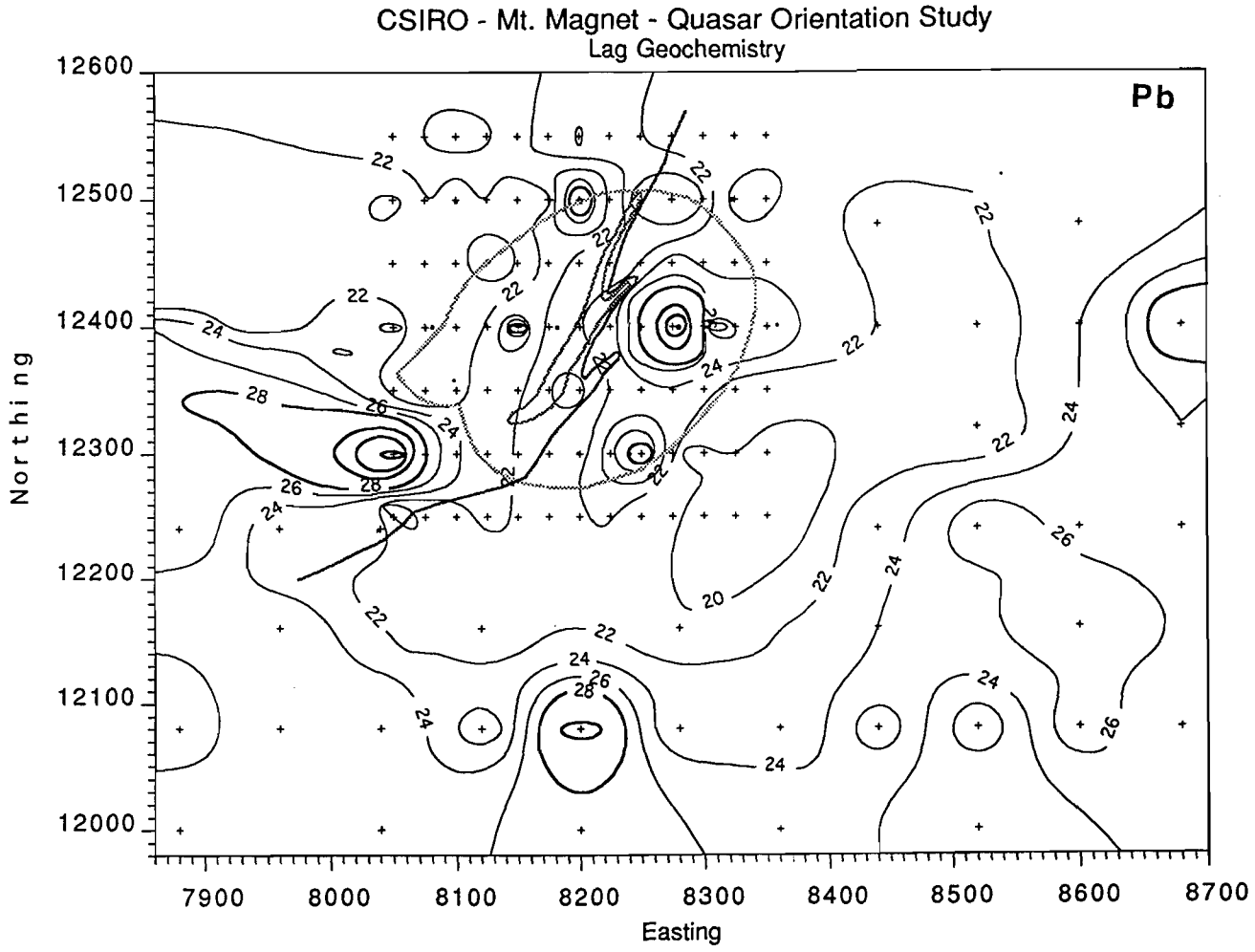
8200
8300
8400
8500
8600
8700
120
110
100
90


Mt Magnet - Quasar Pit
Colluvium Average - Ni ppm
Ni
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
175
200
225
250
275


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Pb
Northing
Easting
12600
12500
12400
12300
12200
12100
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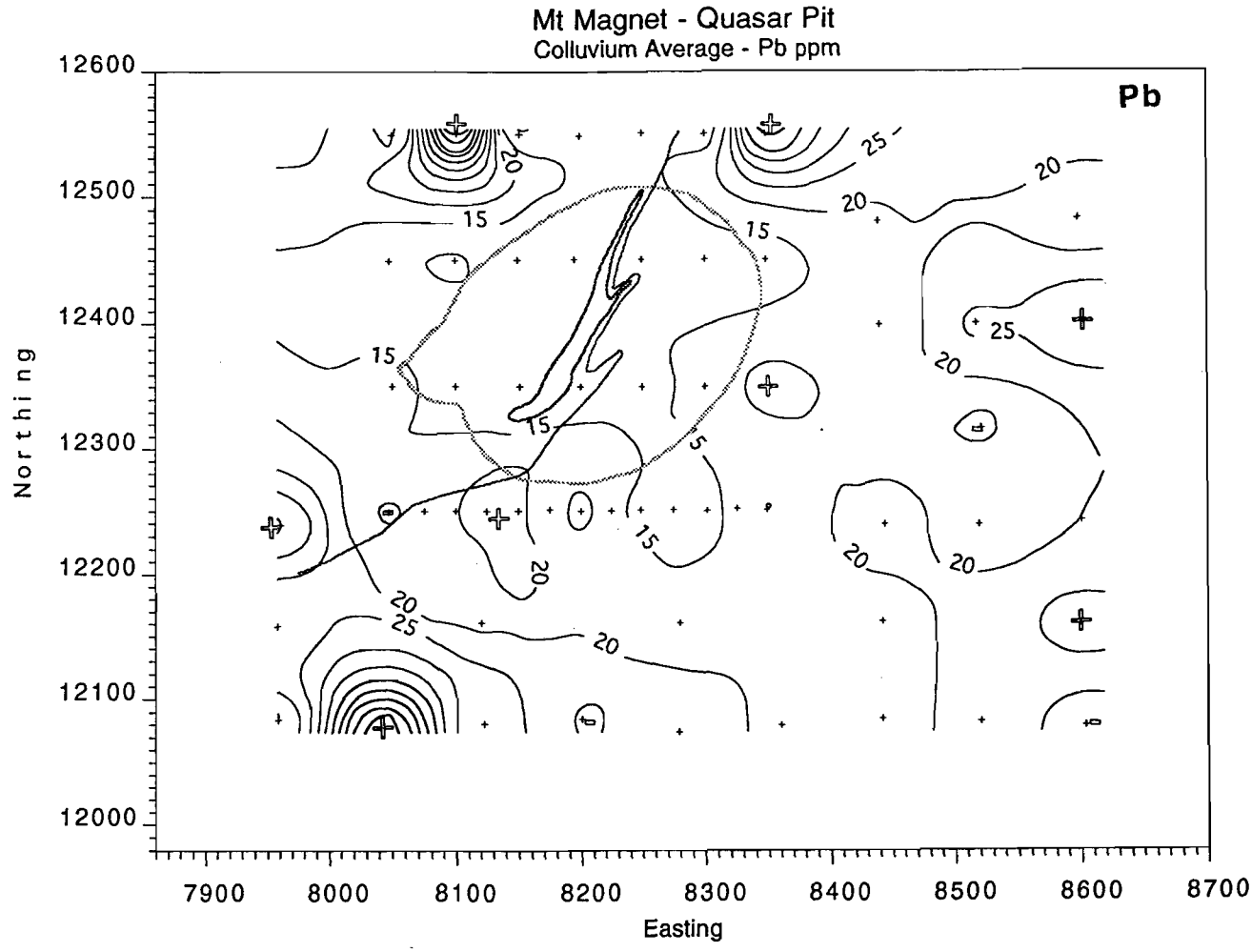
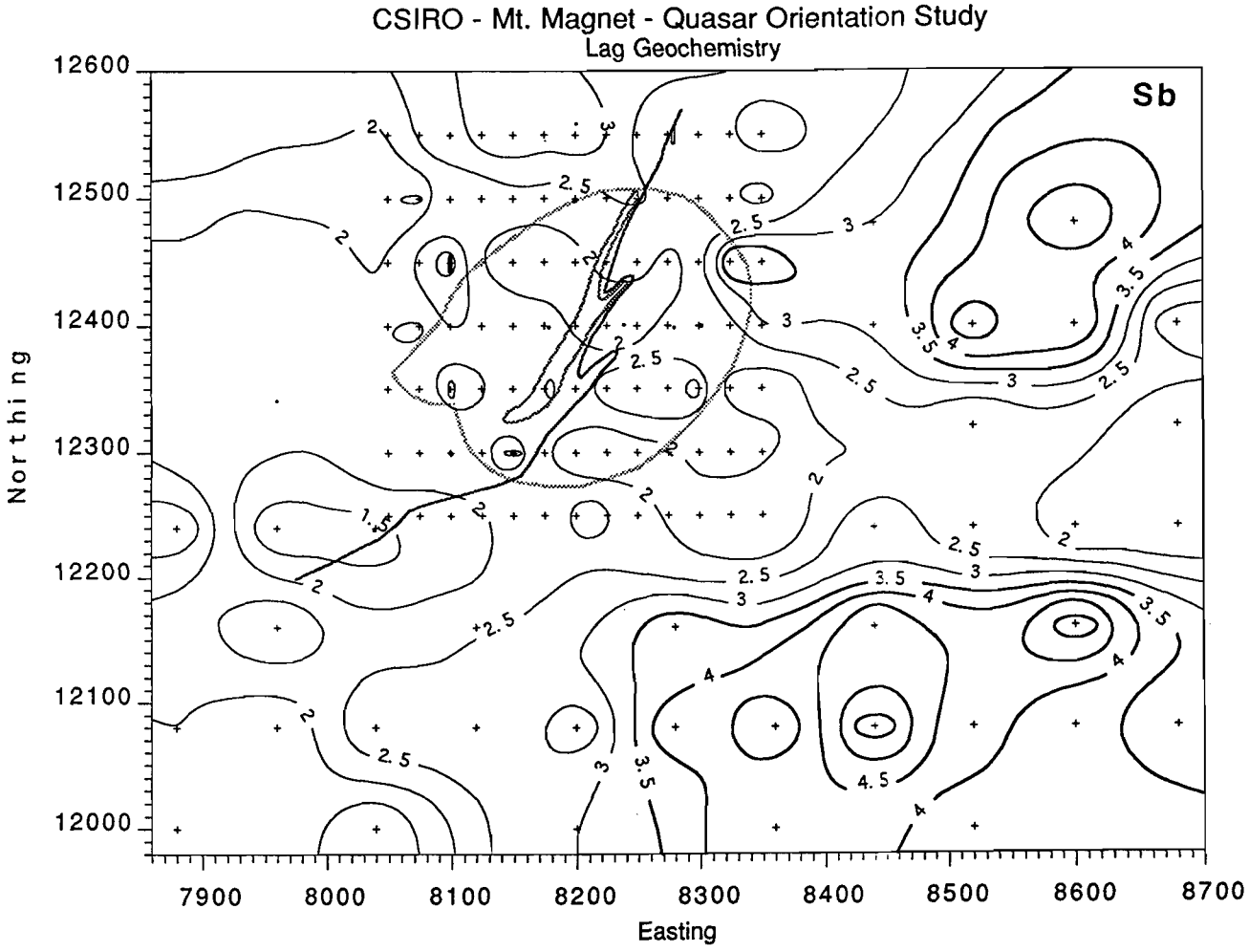
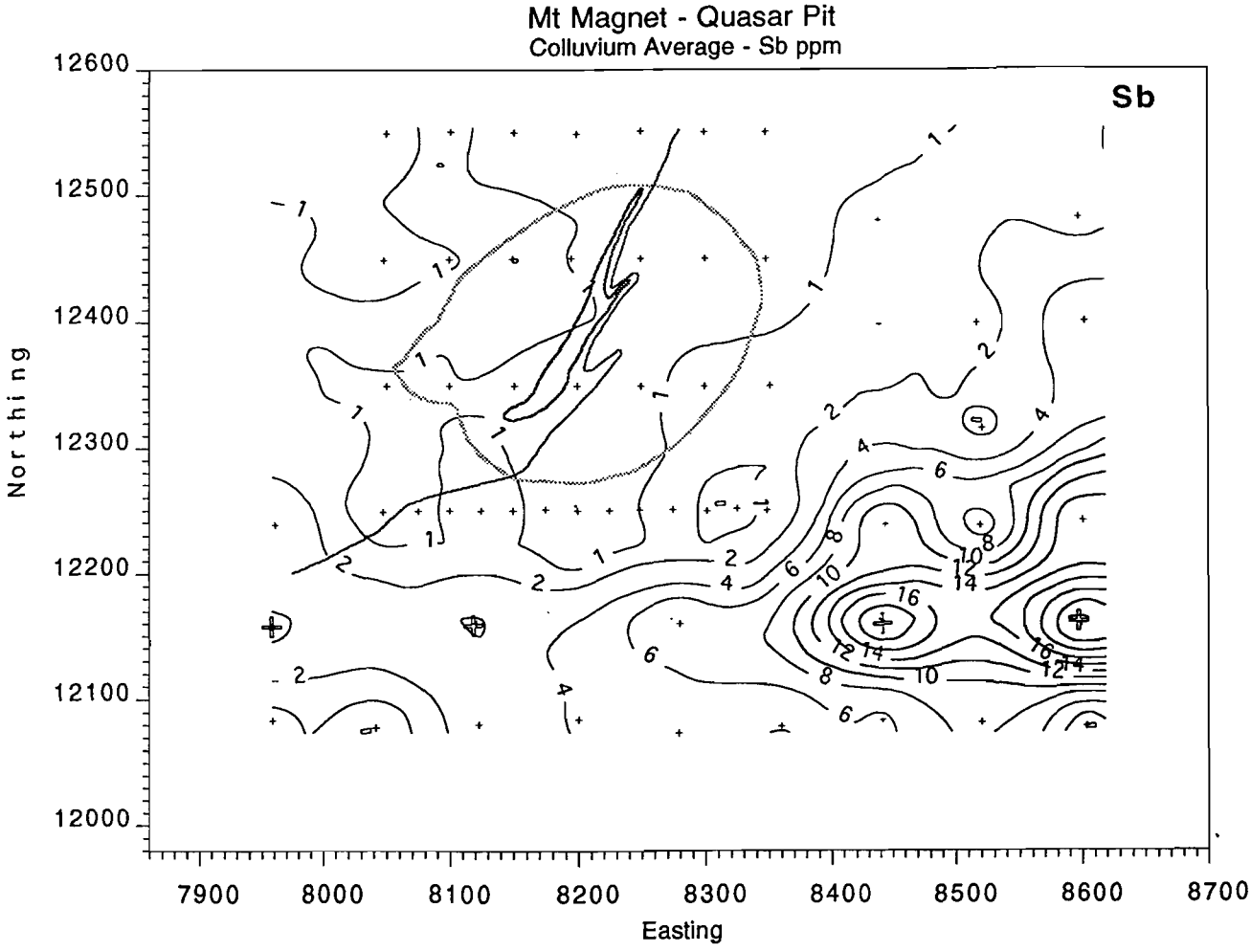
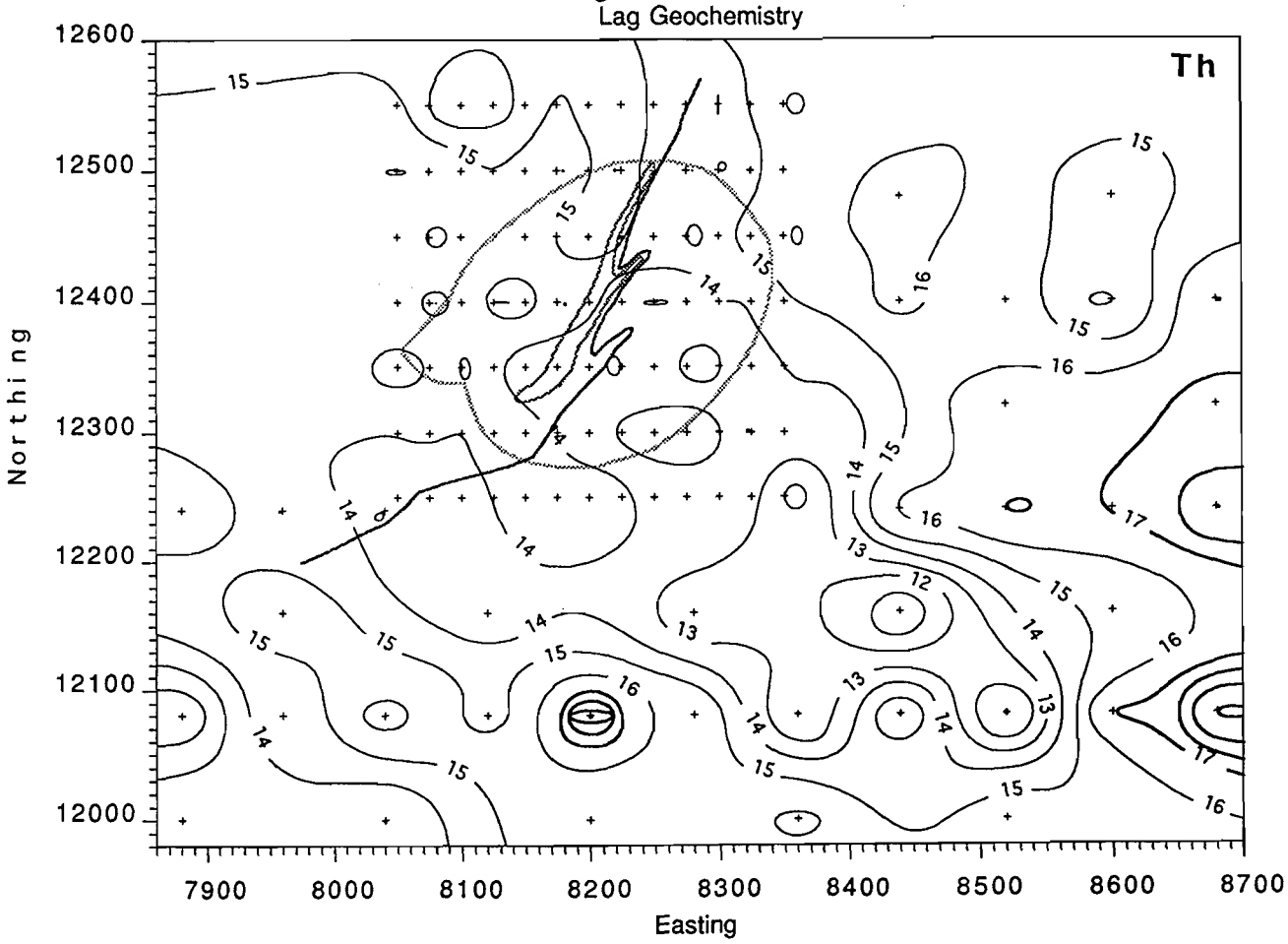
7900
8000
8100
8200
8300
8400
8500
8600
8700


Mt Magnet - Quasar Pit
Colluvium Average - Pb ppm
Pb
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700

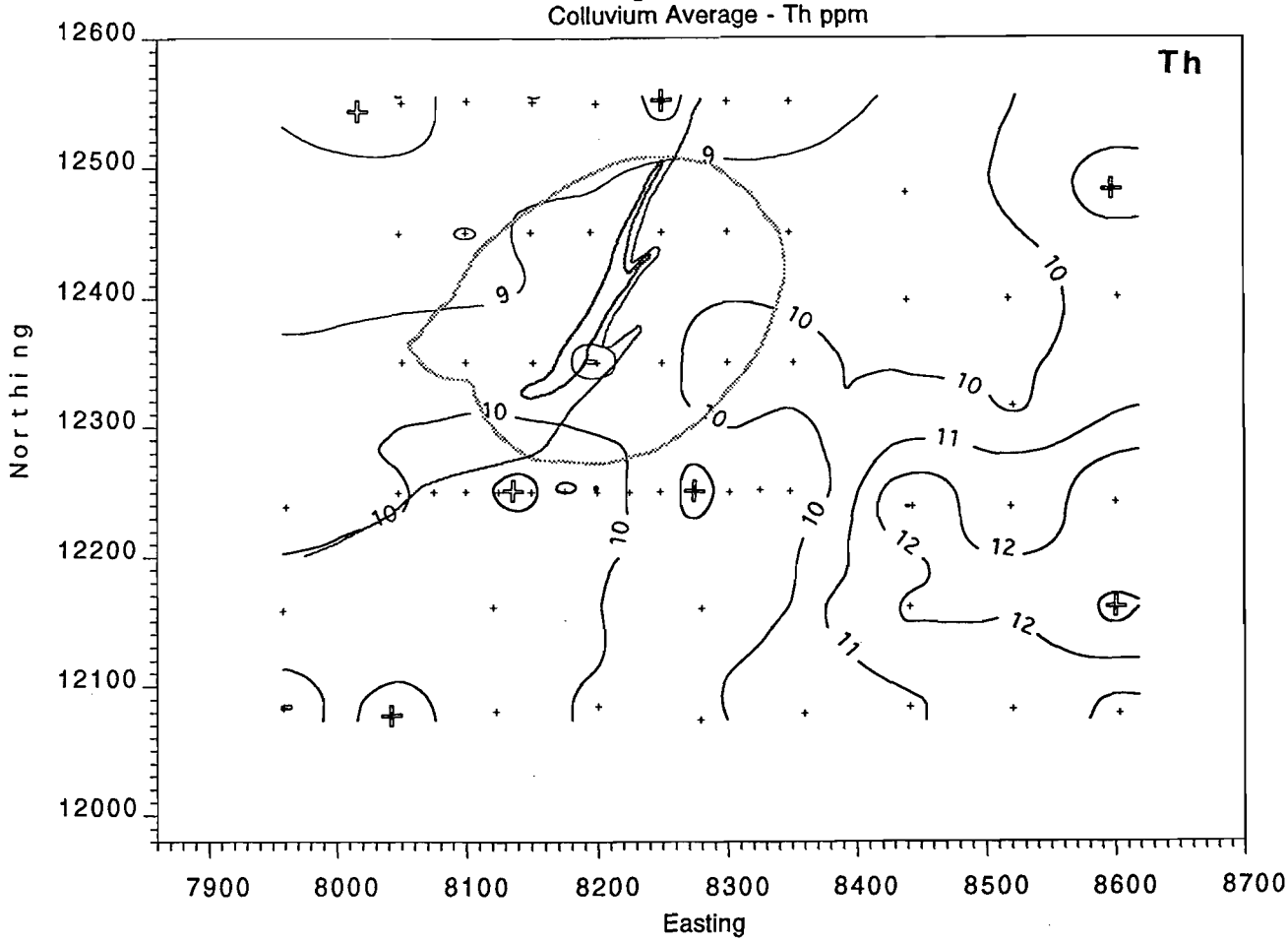

CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Sb
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting

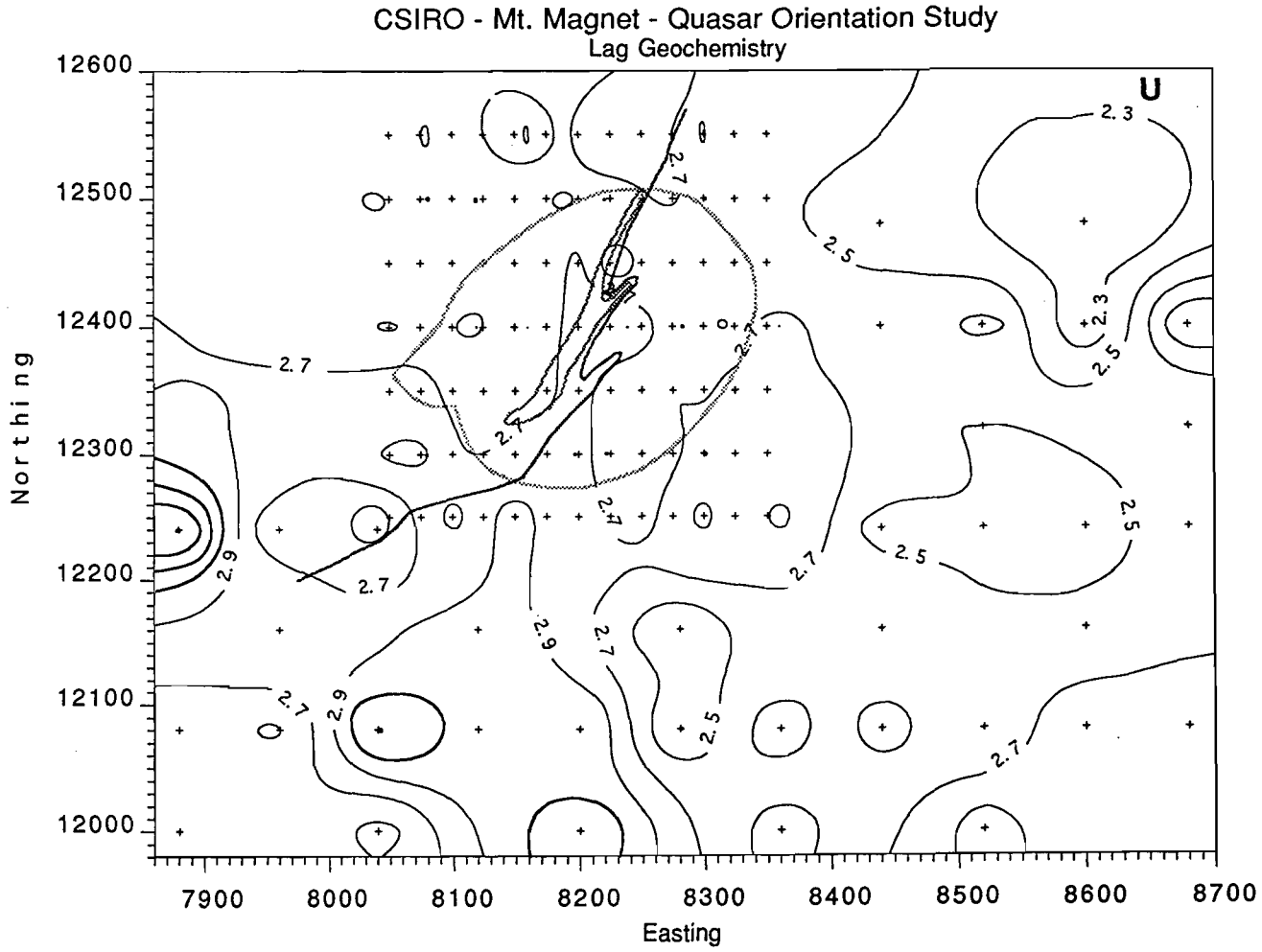

Mt Magnet - Quasar Pit
Colluvium Average - Sb ppm
Sb
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting

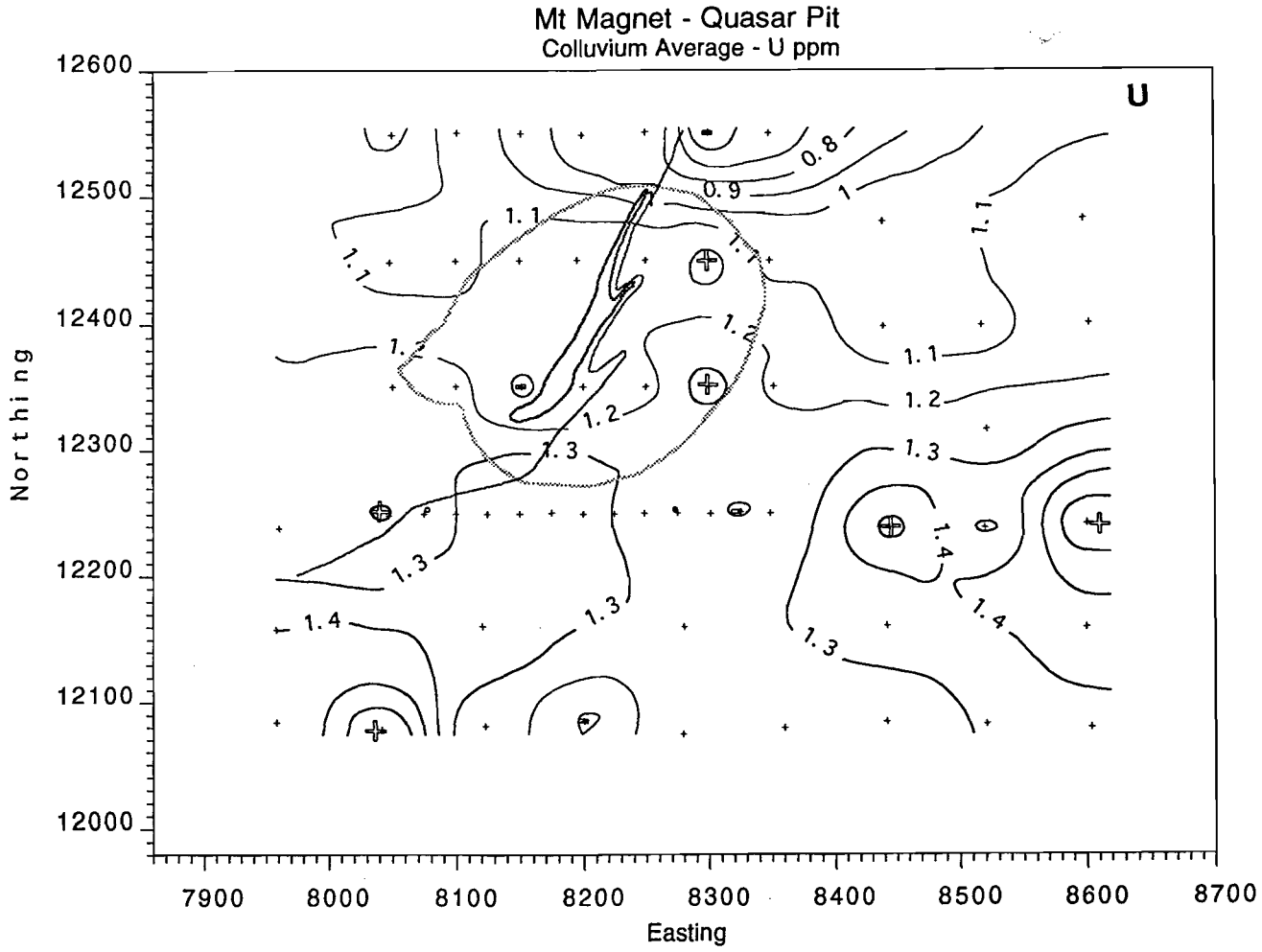
CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry

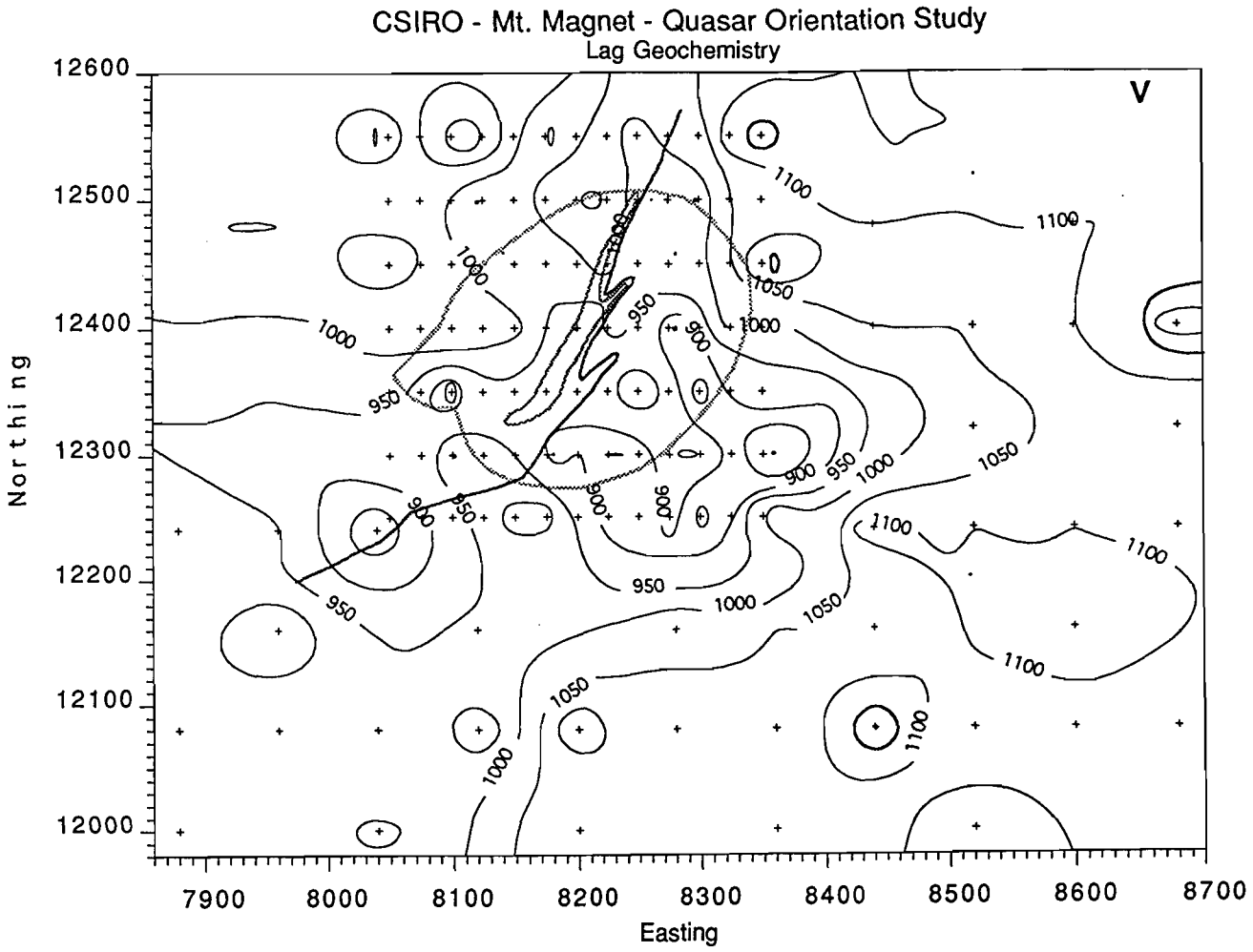


Mt Magnet - Quasar Pit
Colluvium Average - Th ppm




CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
U
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
2.3
2.5
2.7
2.9


Mt Magnet - Quasar Pit
Colluvium Average - U ppm
U
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
0.8
0.9
1
1.1
1.2
1.3
1.4


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
V
Northing
Easting
12600
12500
12400
12300
12200
12100
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7900
8000
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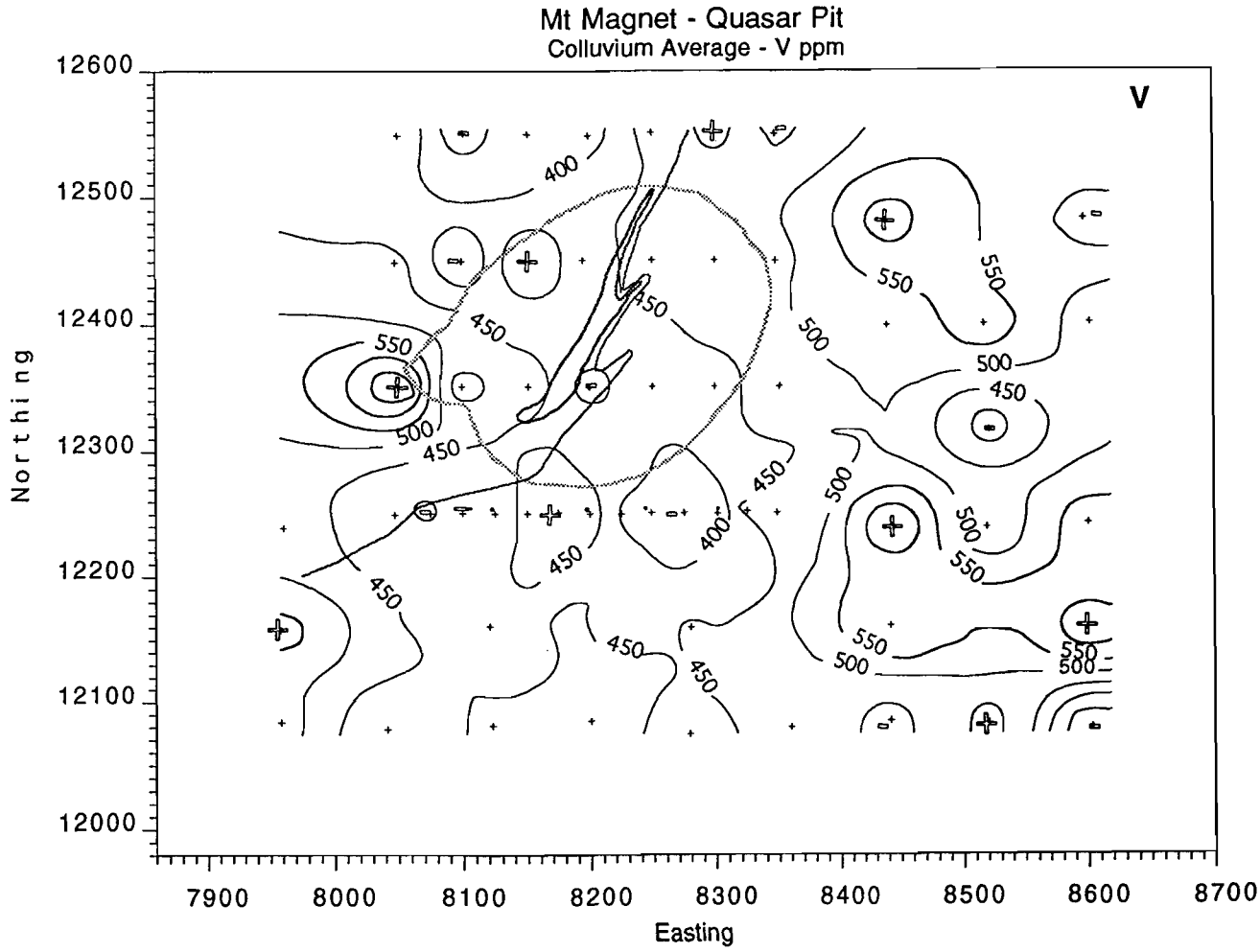
8500
8600
8700
1100
1050
1000
950
900


Mt Magnet - Quasar Pit
Colluvium Average - V ppm
V
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
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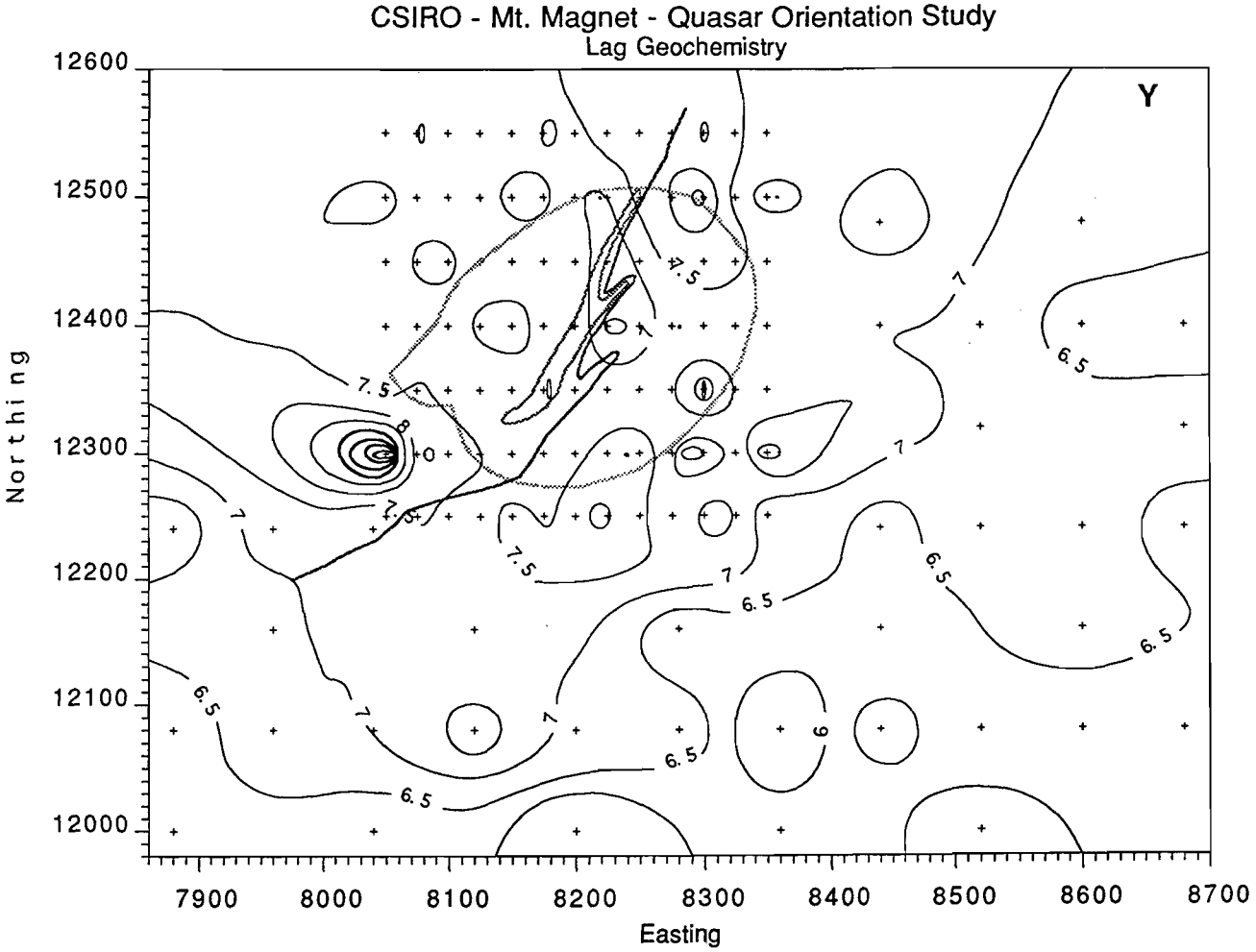
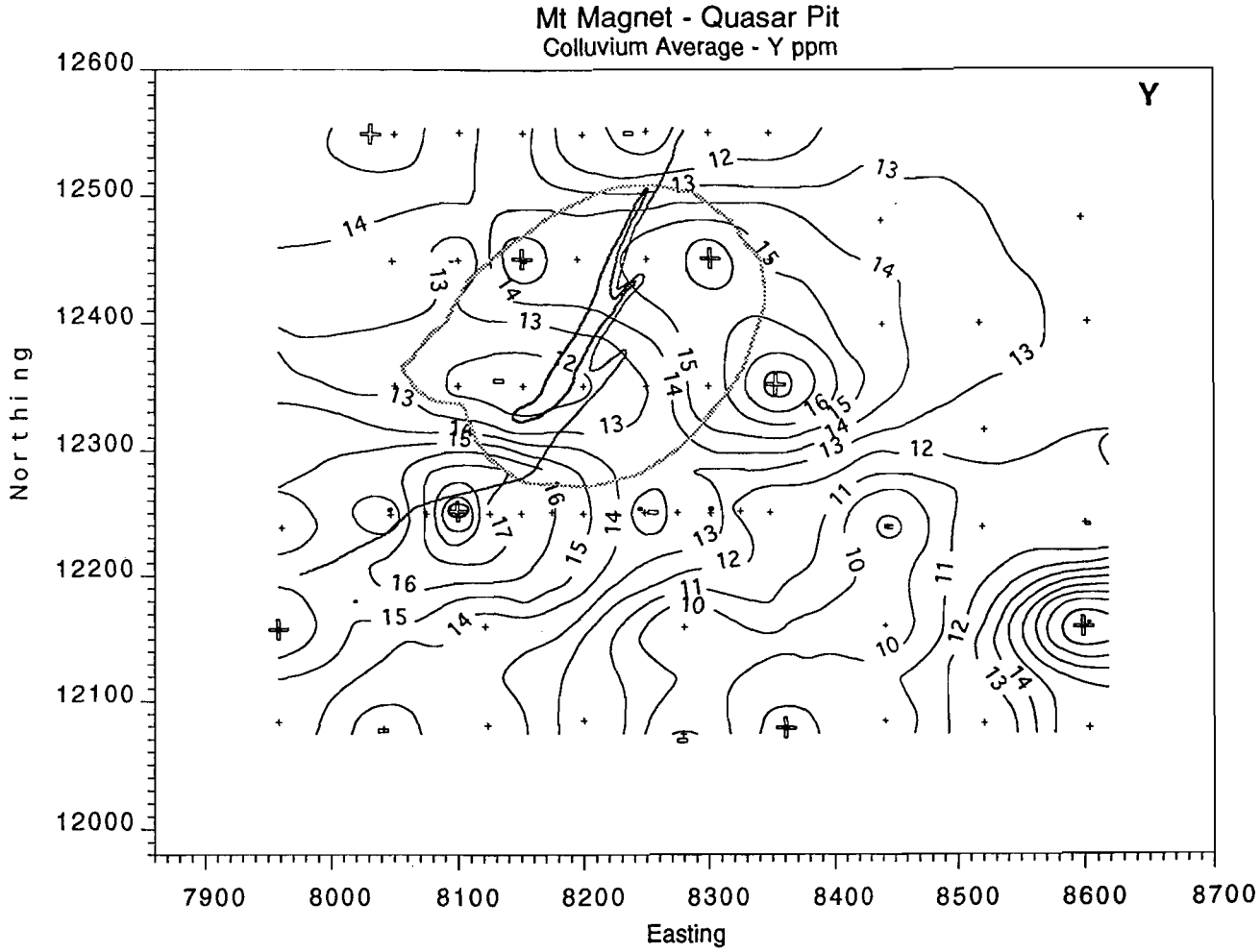
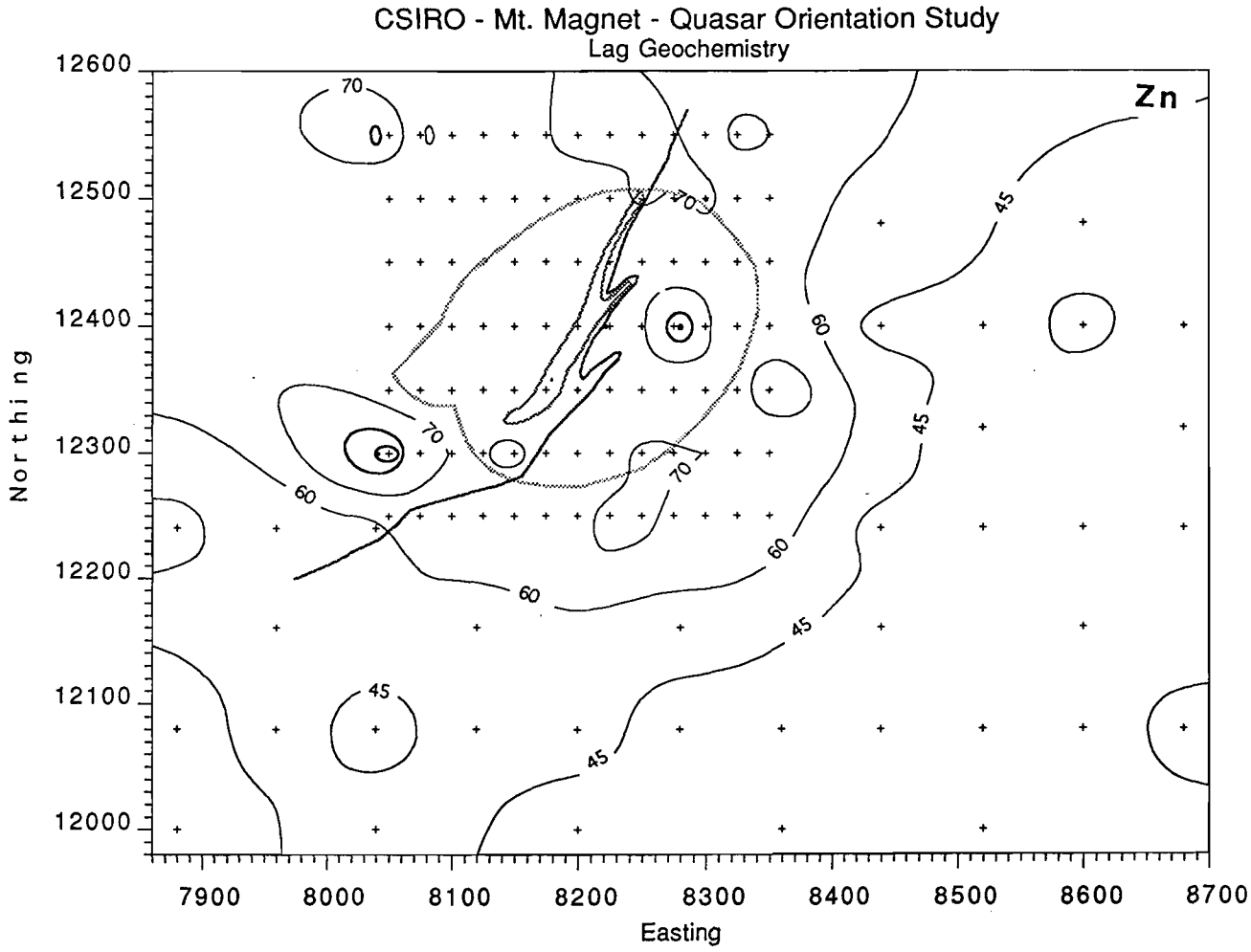
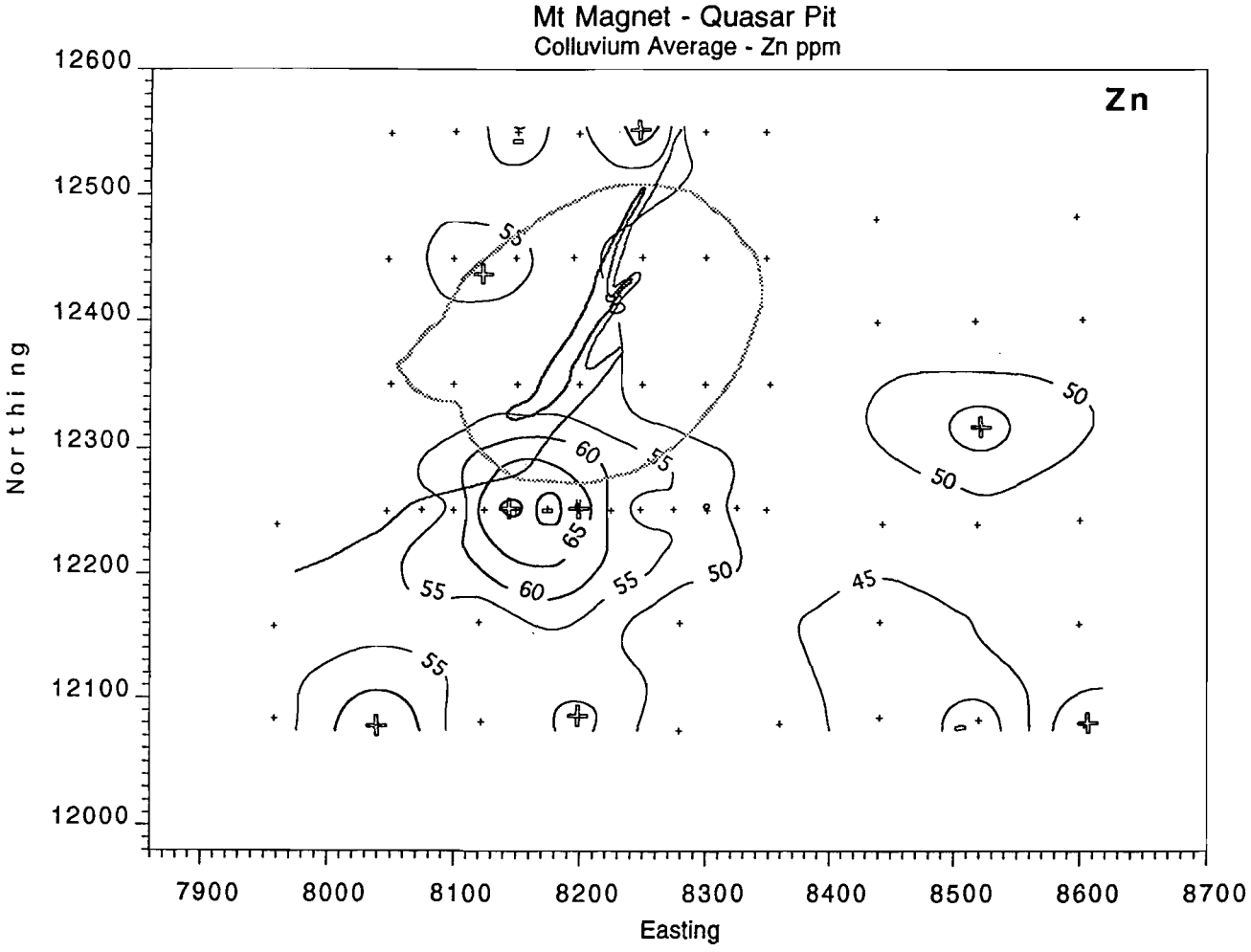
8300
8400
8500
8600
8700
550
500
450
400


CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Y
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Colluvium Average - Y ppm
Y
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting

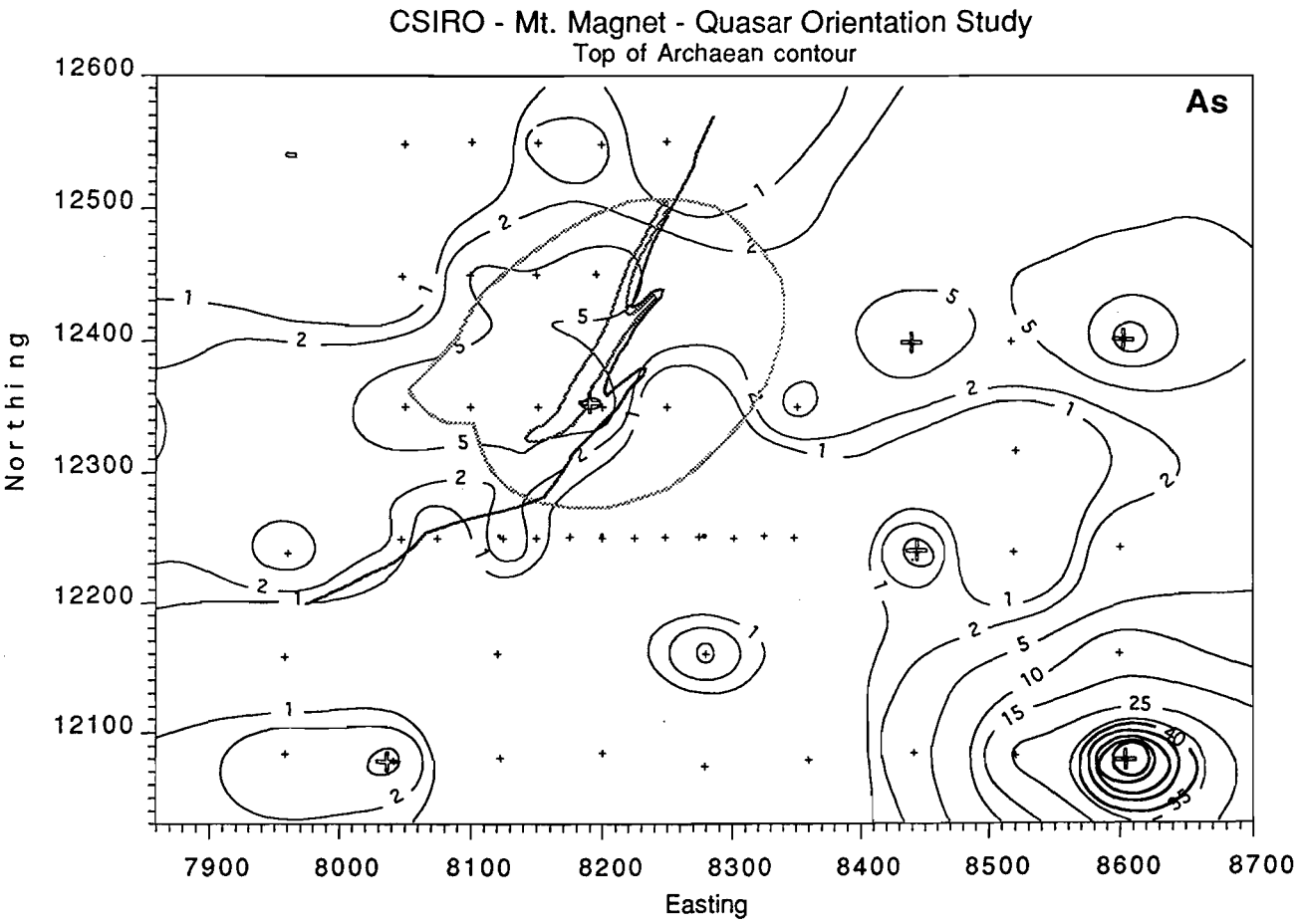

CSIRO - Mt. Magnet - Quasar Orientation Study
Lag Geochemistry
Zn
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
70
0
60
45

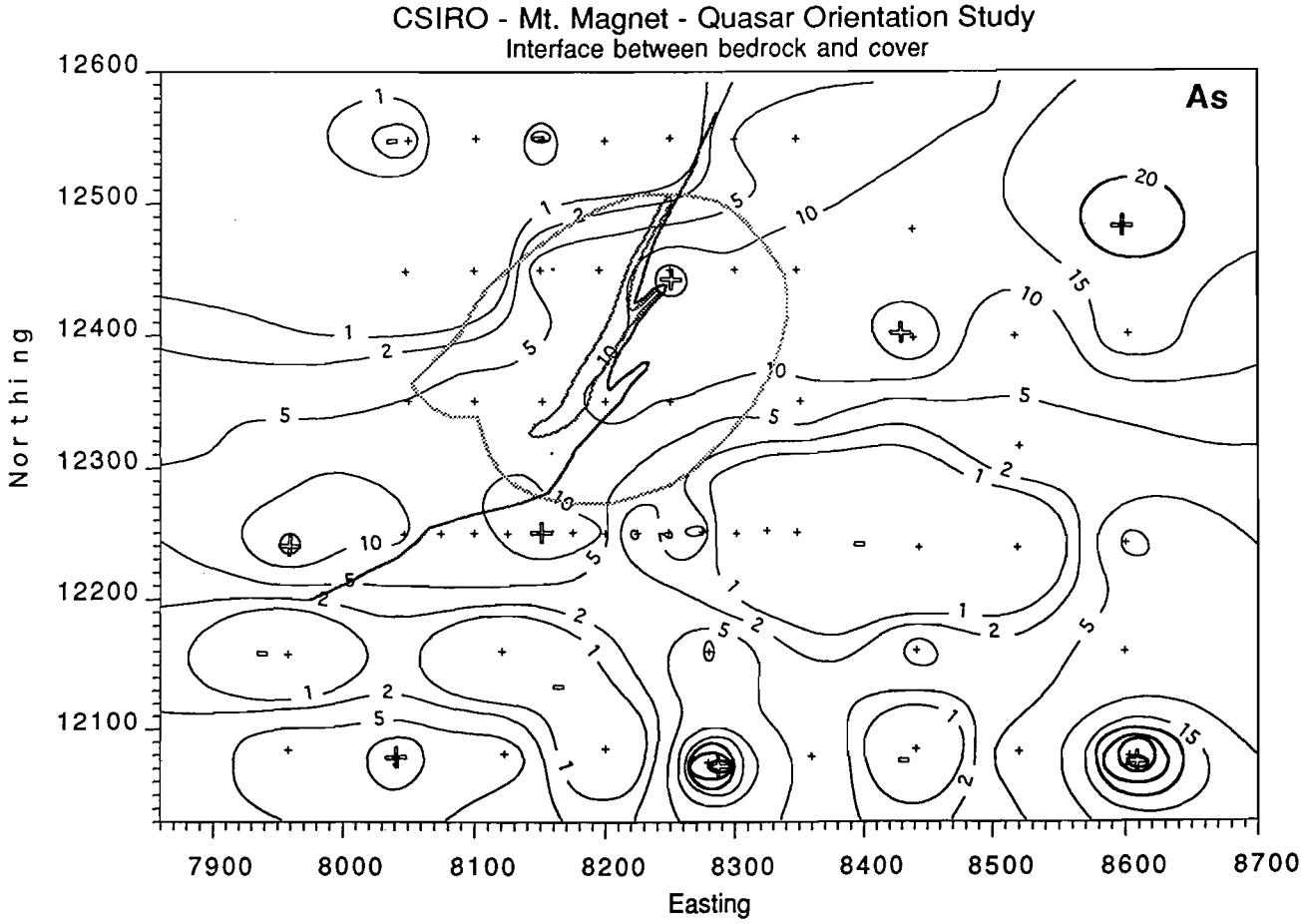

Mt Magnet - Quasar Pit
Colluvium Average - Zn ppm
Zn
Northing
Easting
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
65
60
55
50
45

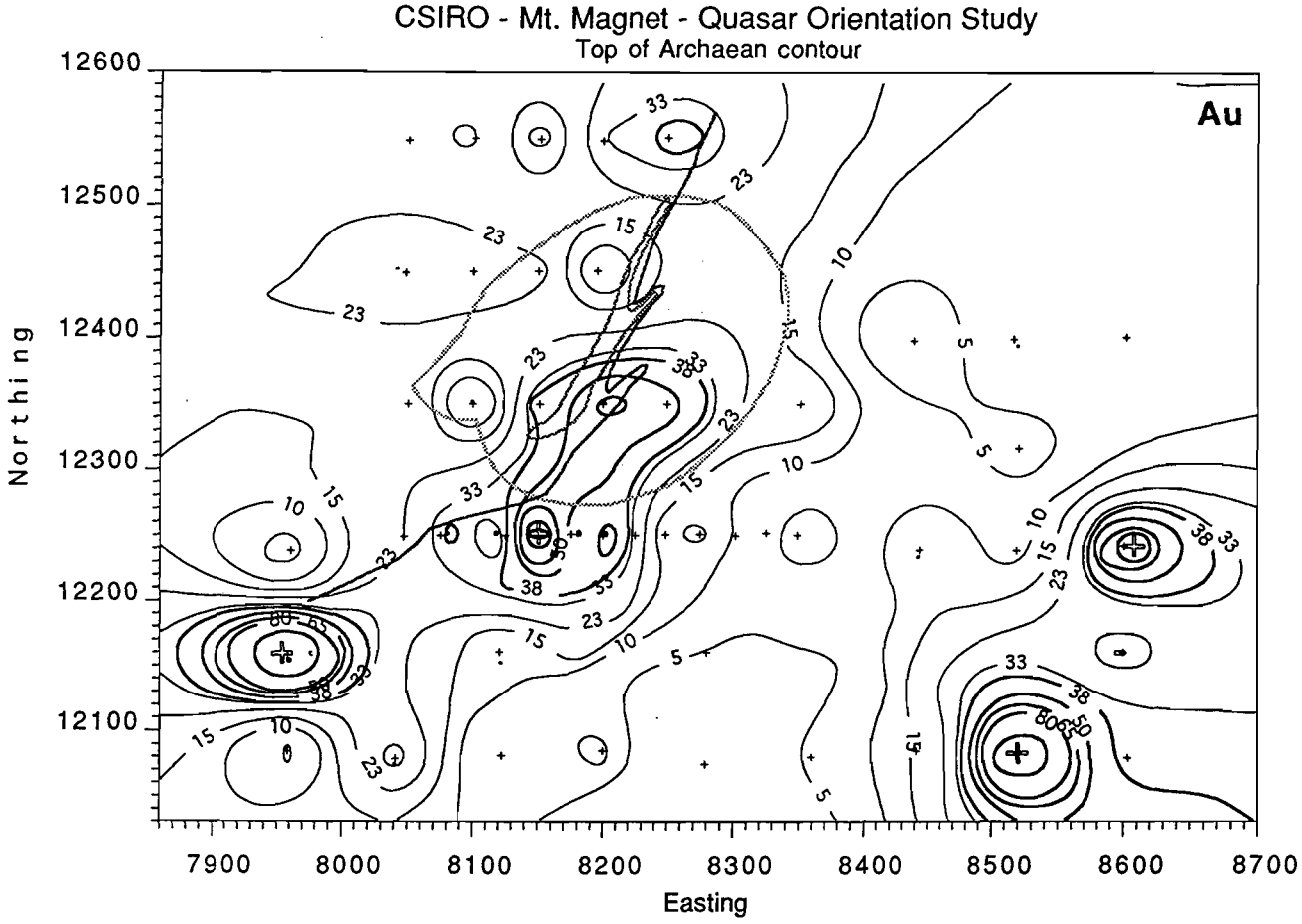
APPENDIX Q7

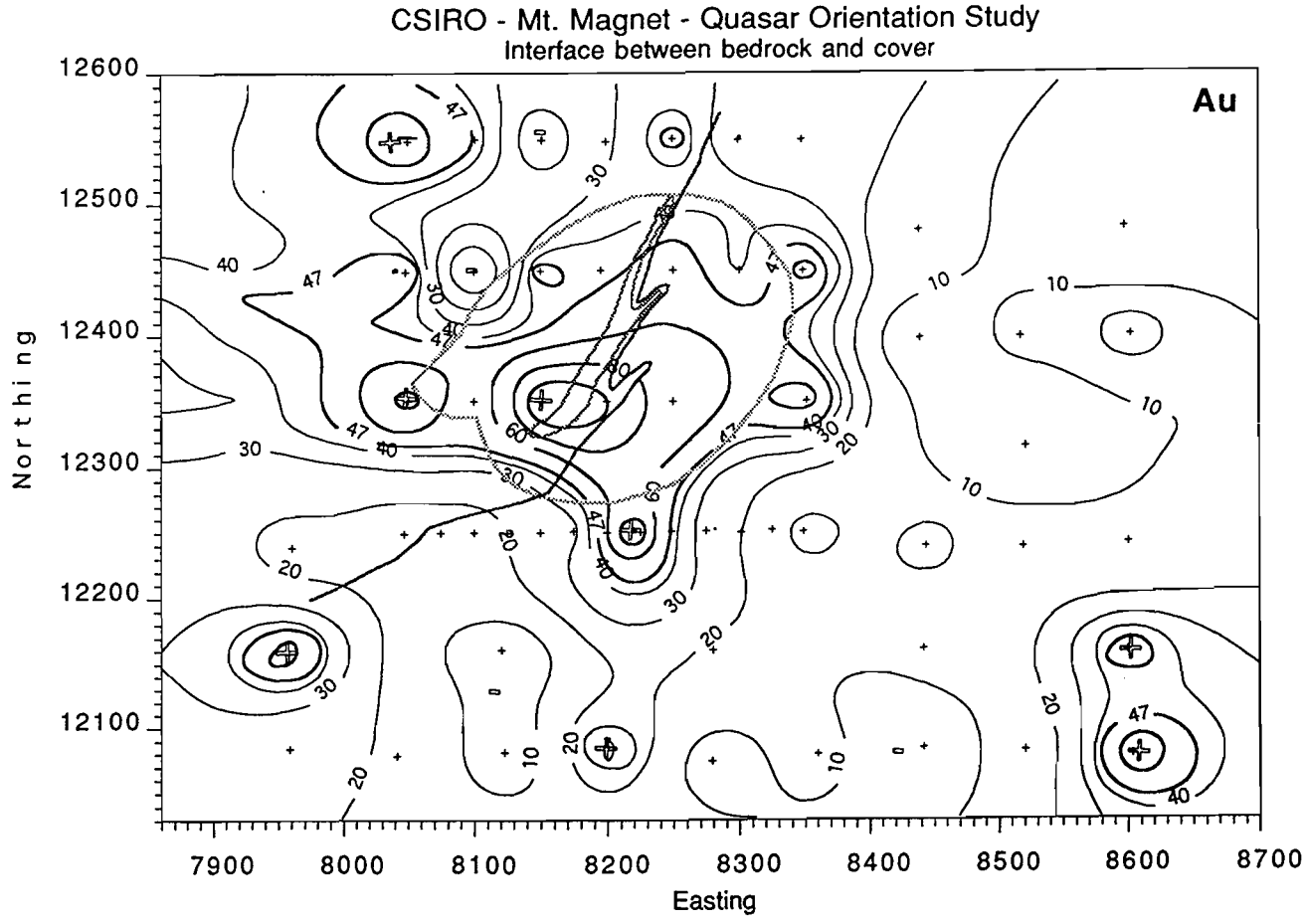
CONTOURED GEOCHEMISTRY
QUASAR TOP OF RESIDUAL PROFILE AND INTERFACE SURVEY

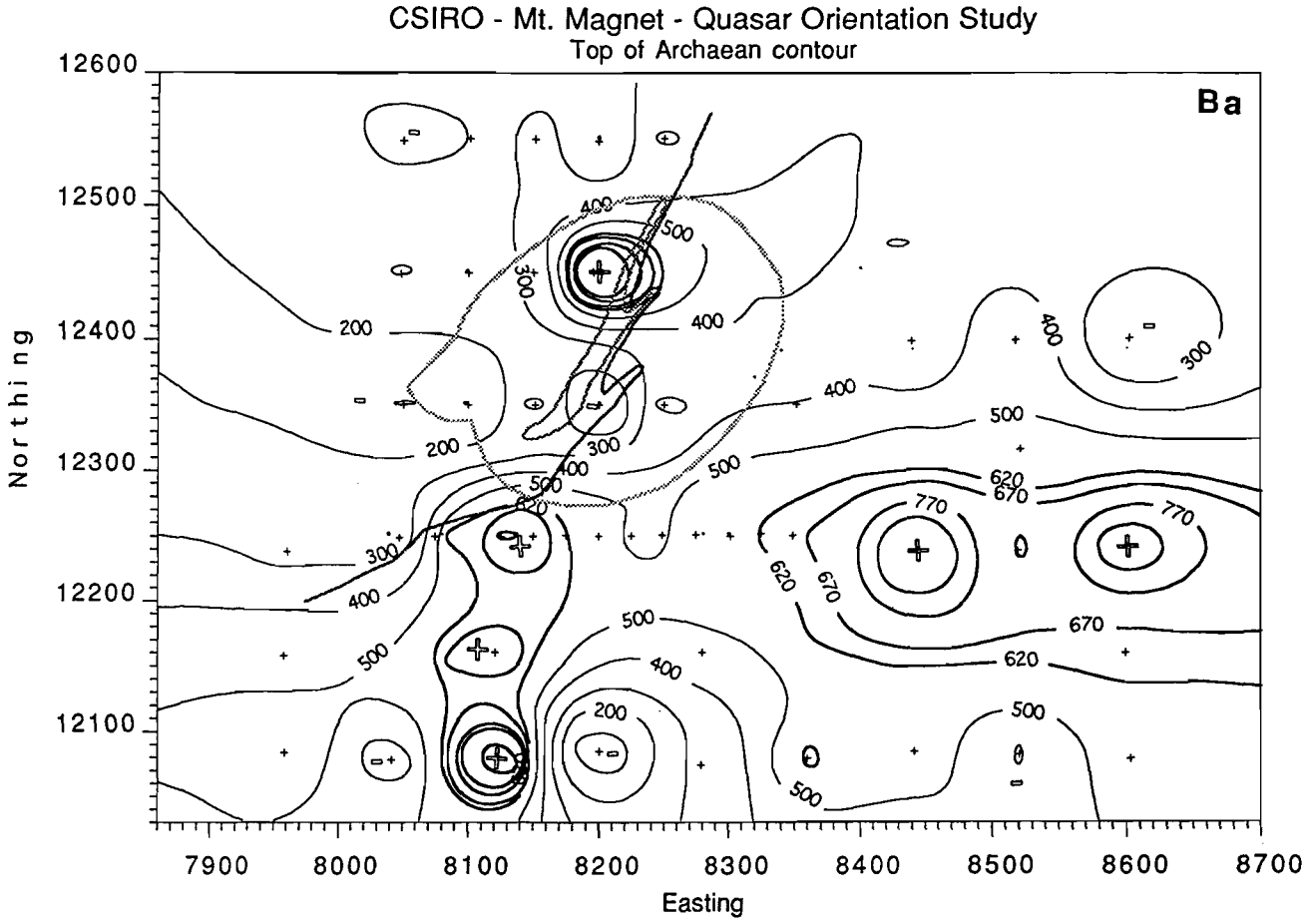
refer to Appendix Q1 for data
Interface n=57
Top of Residual n=48

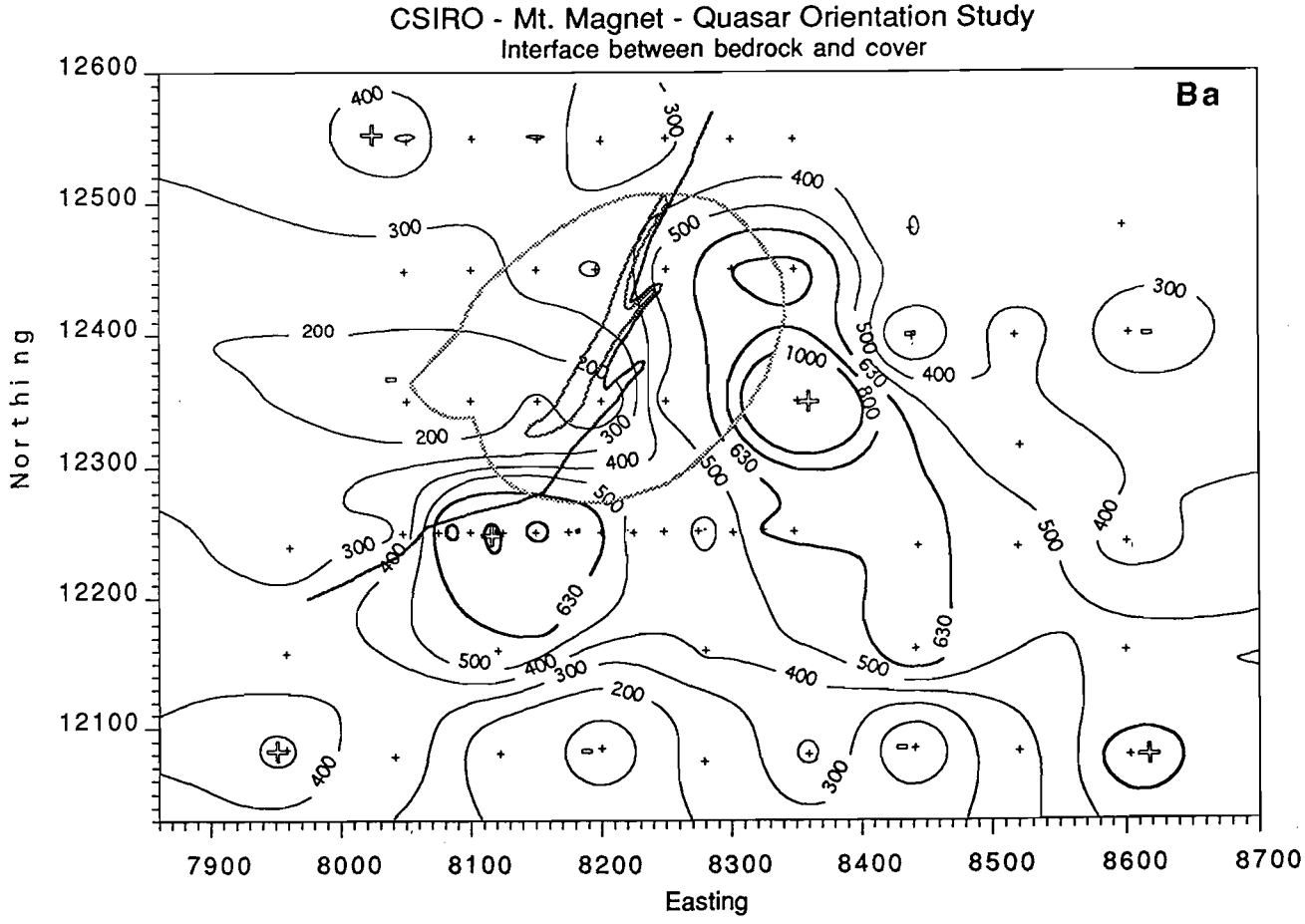

CSIRO - Mt. Magnet - Quasar Orientation Study
Top of Archaean contour
As
Northing
12600
12500
12400
12300
12200
12100
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting

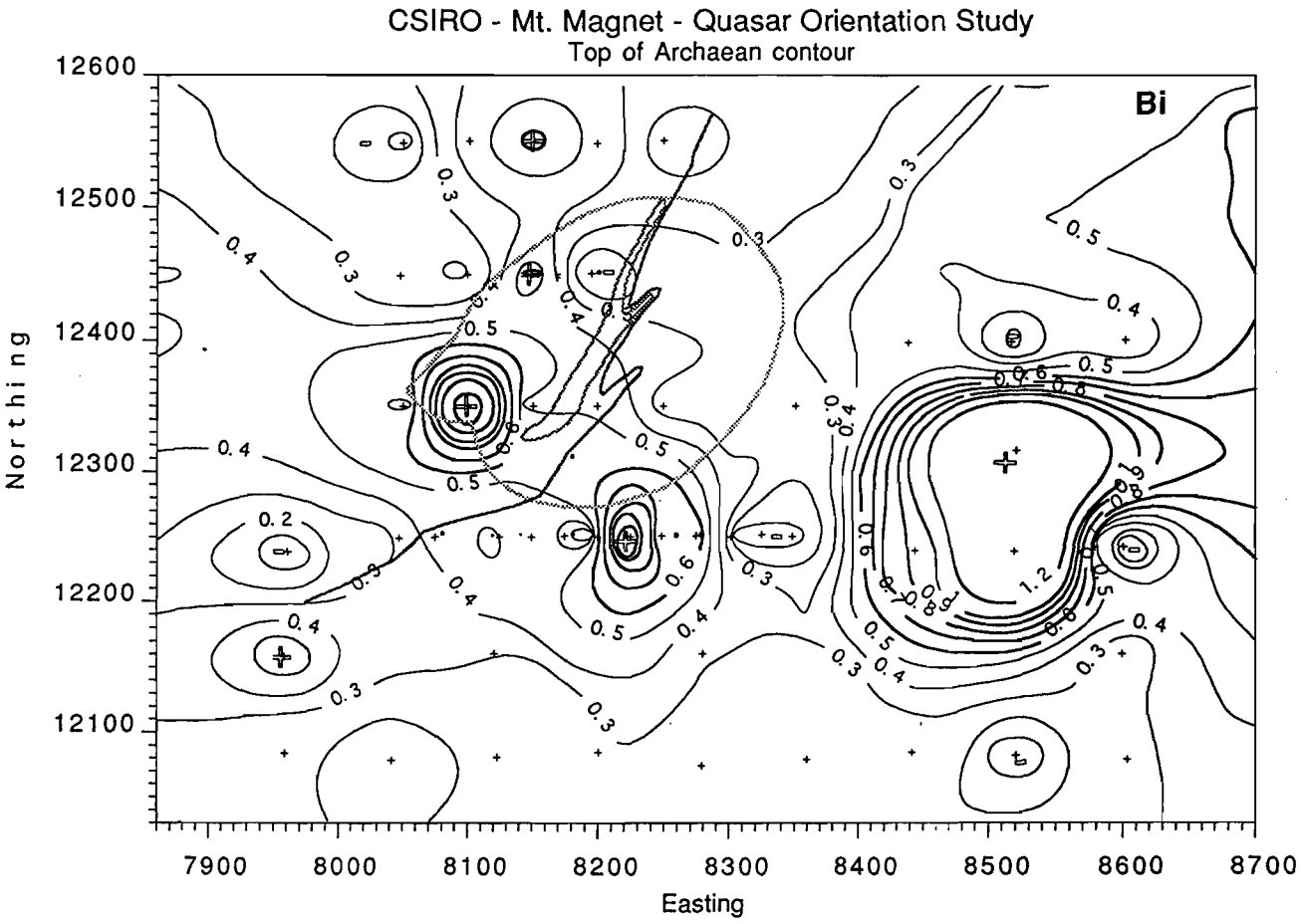

CSIRO - Mt. Magnet - Quasar Orientation Study
Interface between bedrock and cover
As
Northing
12600
12500
12400
12300
12200
12100
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting

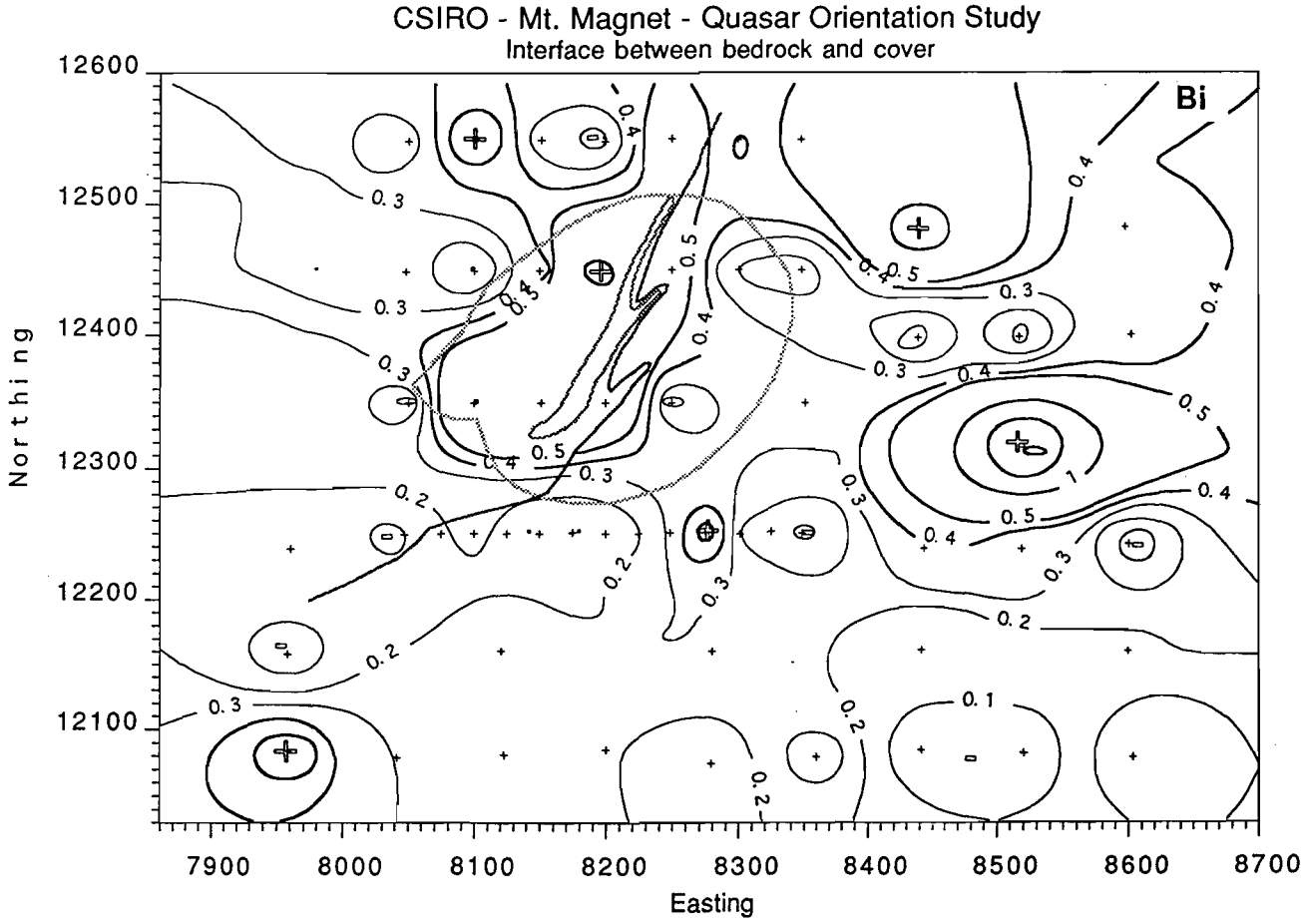

CSIRO - Mt. Magnet - Quasar Orientation Study
Top of Archaean contour
Au
Northing
12600
12500
12400
12300
12200
12100
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting

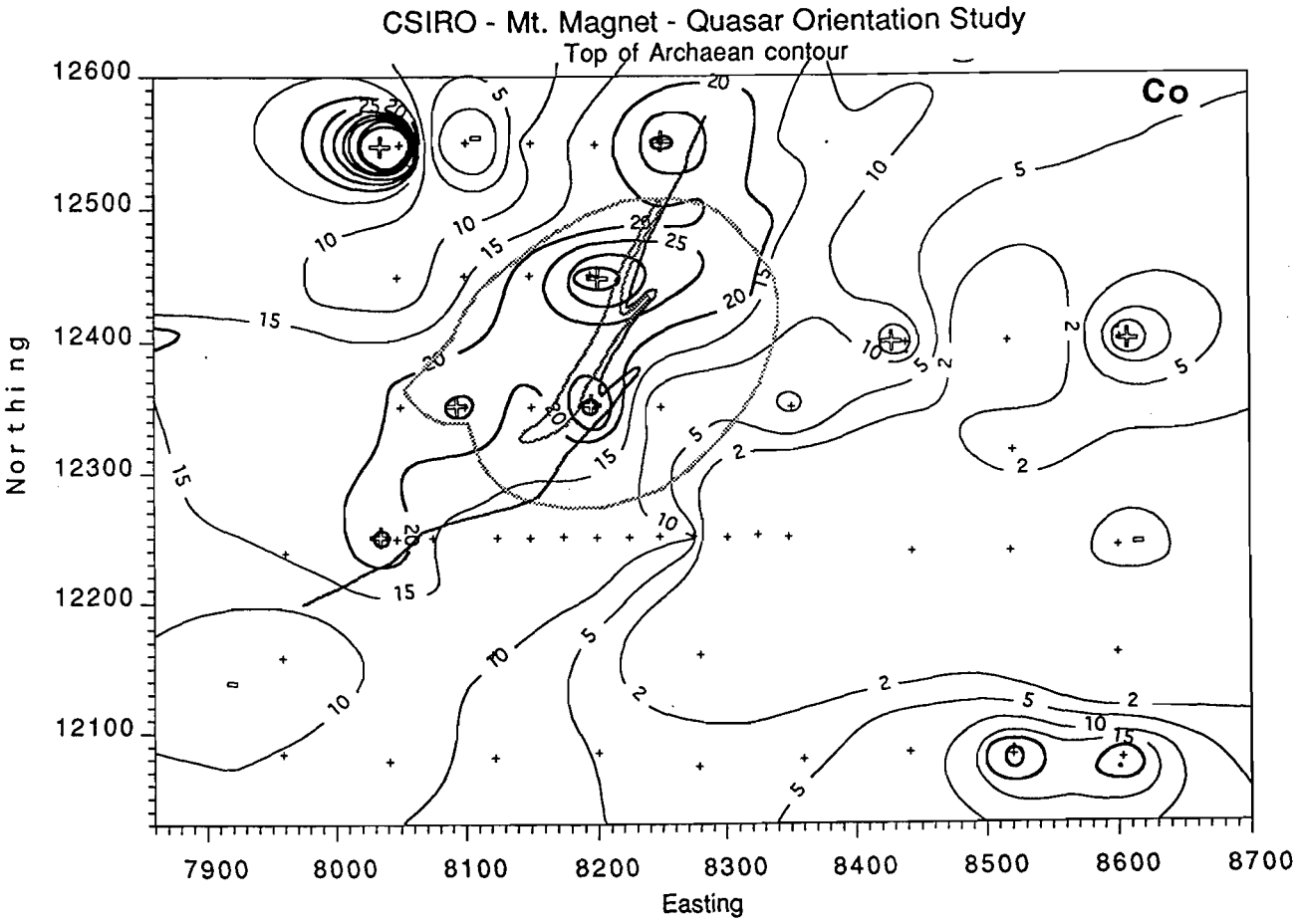

CSIRO - Mt. Magnet - Quasar Orientation Study
Interface between bedrock and cover
Au
Northing
12600
12500
12400
12300
12200
12100
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


CSIRO - Mt. Magnet - Quasar Orientation Study
Top of Archaean contour
Ba
Northing
12600
12500
12400
12300
12200
12100
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


CSIRO - Mt. Magnet - Quasar Orientation Study
Interface between bedrock and cover
Ba
Northing
12600
12500
12400
12300
12200
12100
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


CSIRO - Mt. Magnet - Quasar Orientation Study
Top of Archaean contour
Bi
Northing
12600
12500
12400
12300
12200
12100
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


CSIRO - Mt. Magnet - Quasar Orientation Study
Interface between bedrock and cover
Bi
Northing
12600
12500
12400
12300
12200
12100
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting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Top of Archaean contour
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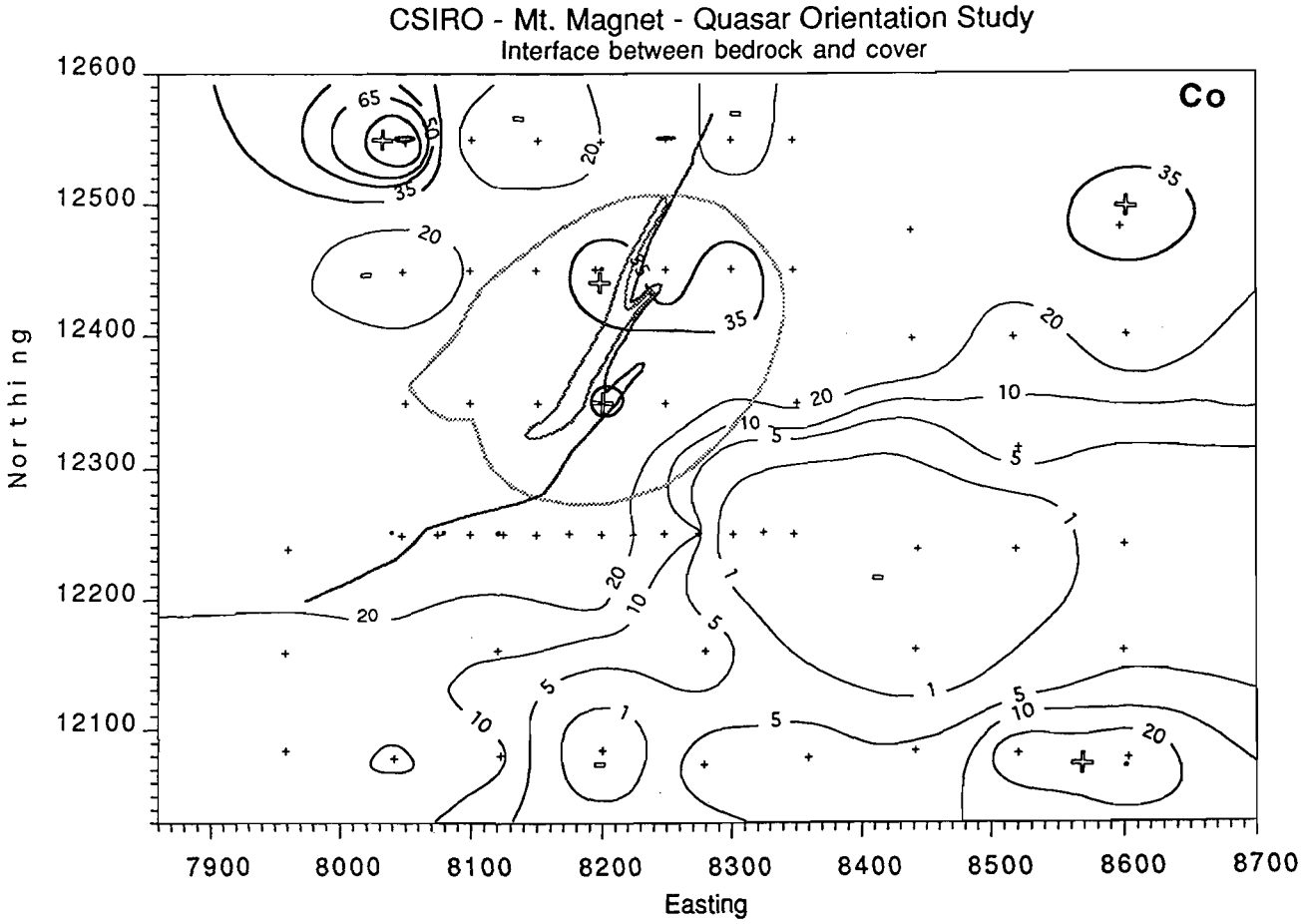
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Interface between bedrock and cover
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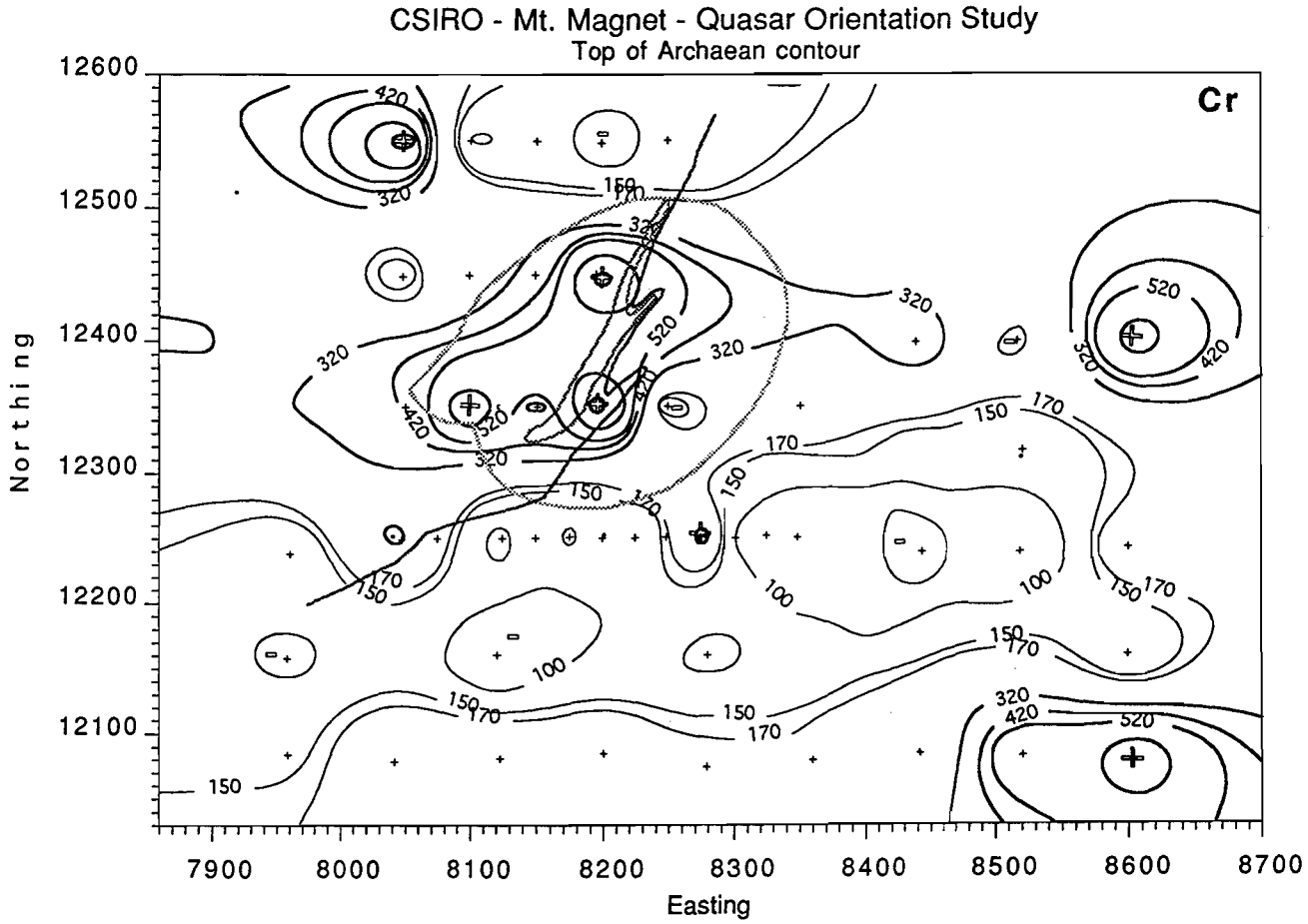
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Top of Archaean contour
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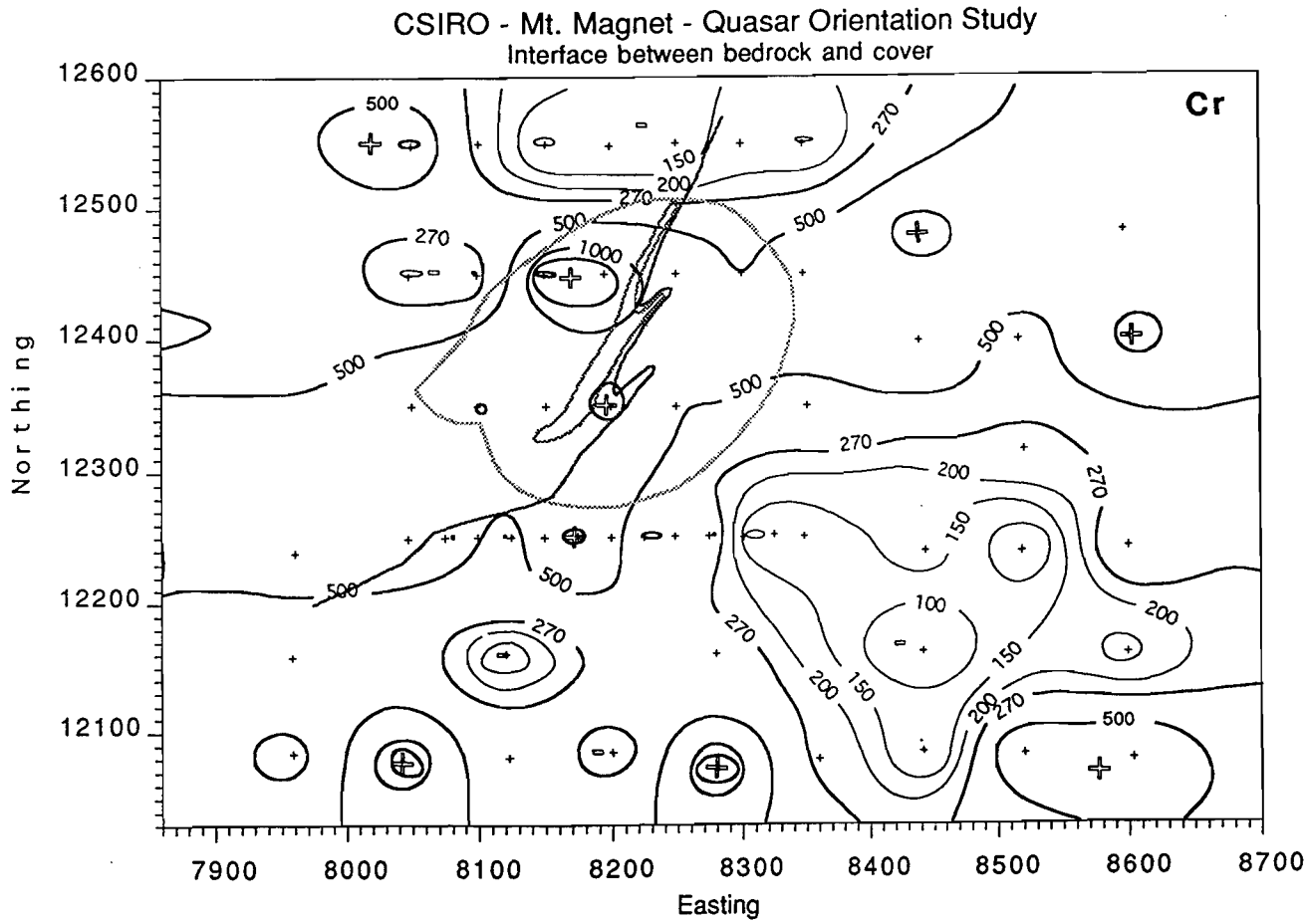
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Interface between bedrock and cover
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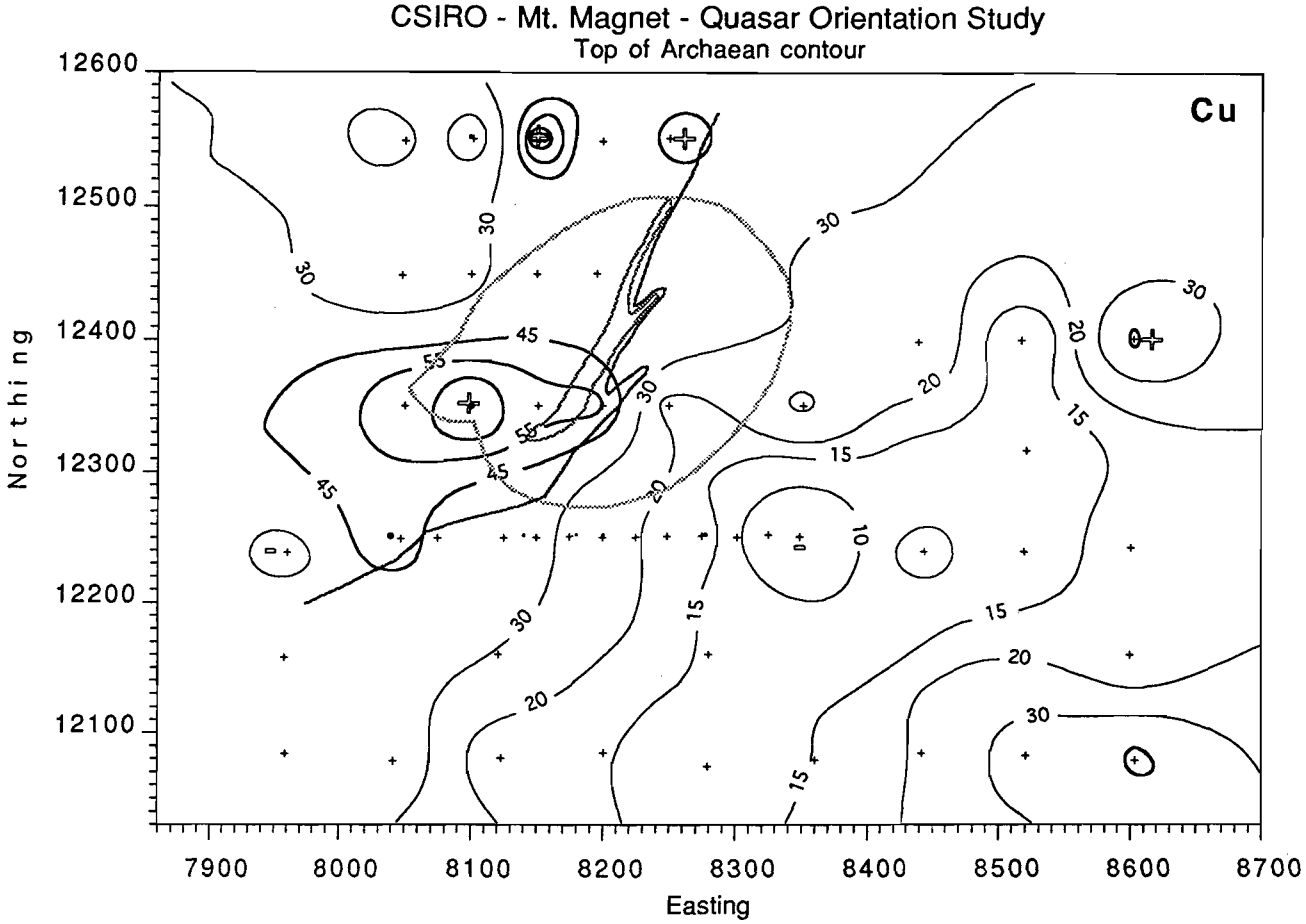
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Top of Archaean contour
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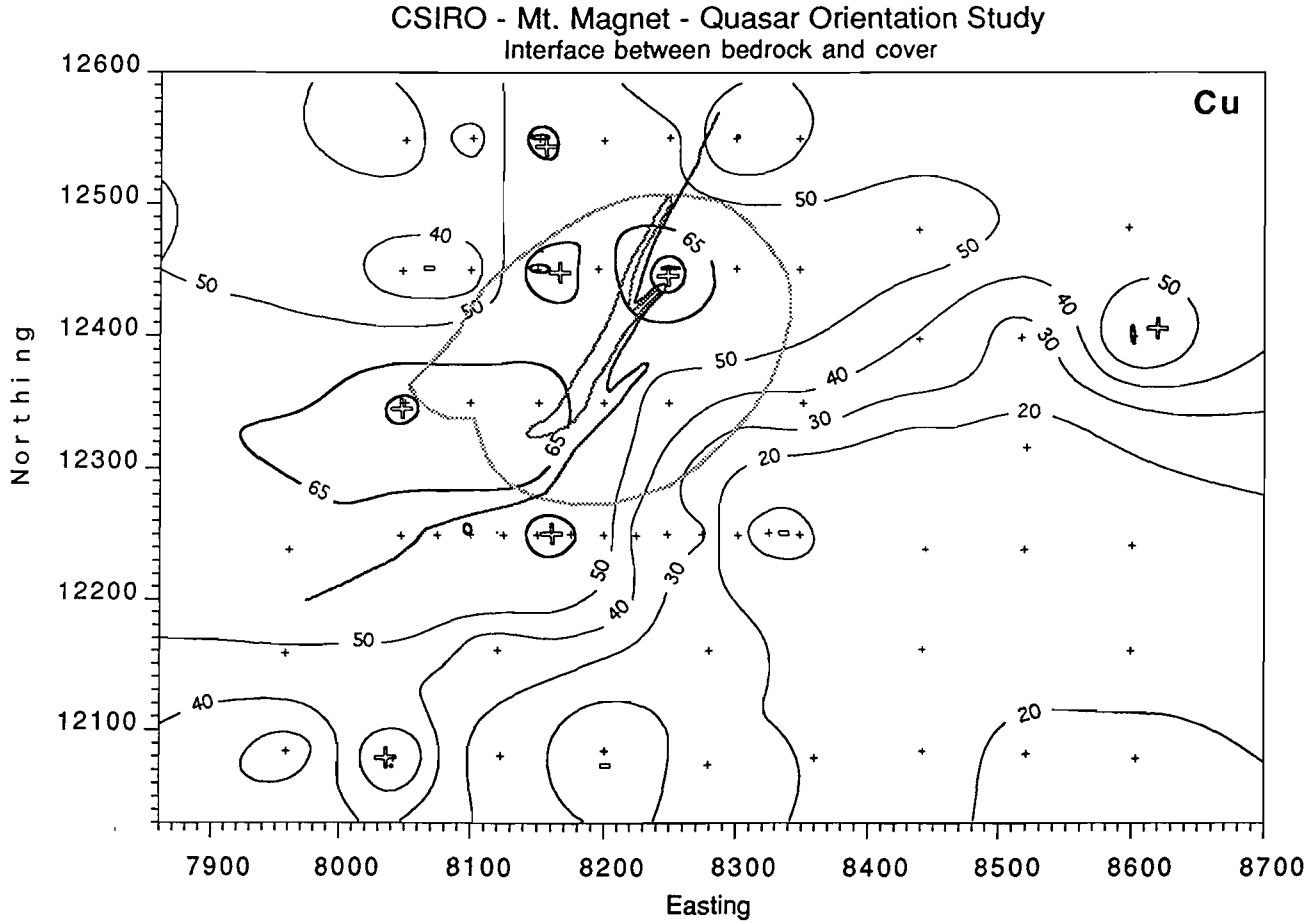
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Interface between bedrock and cover
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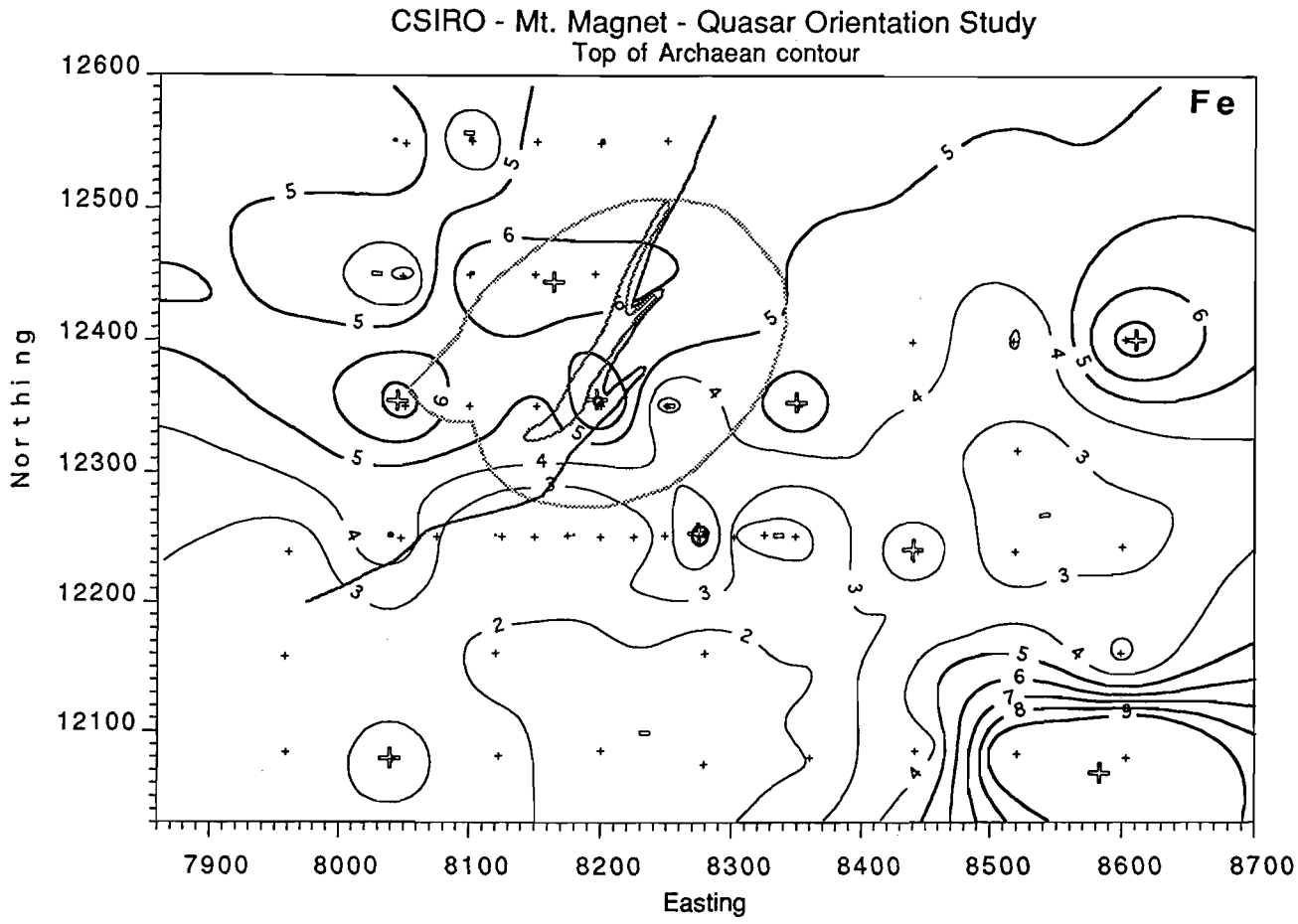
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Top of Archaean contour
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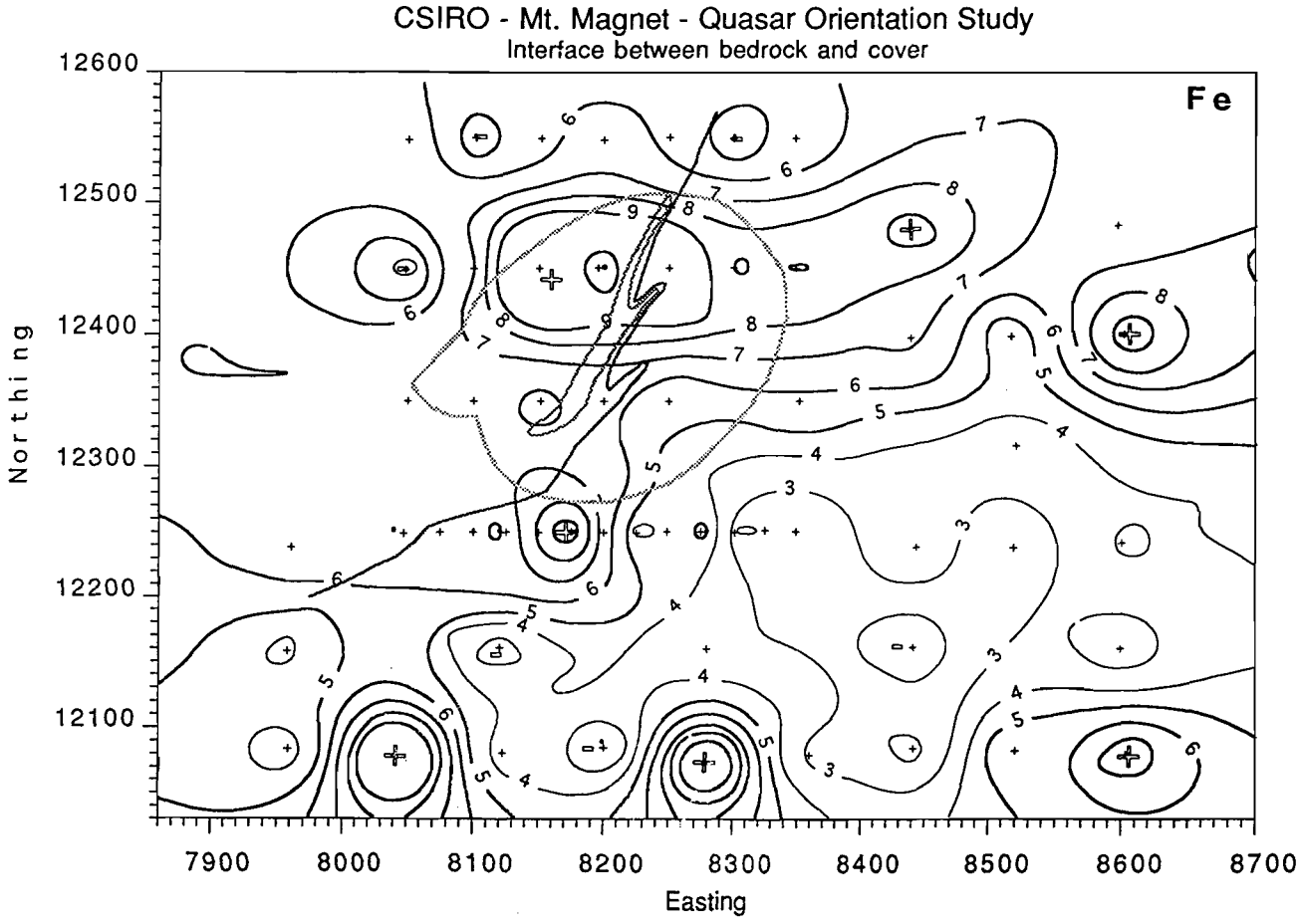
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Interface between bedrock and cover
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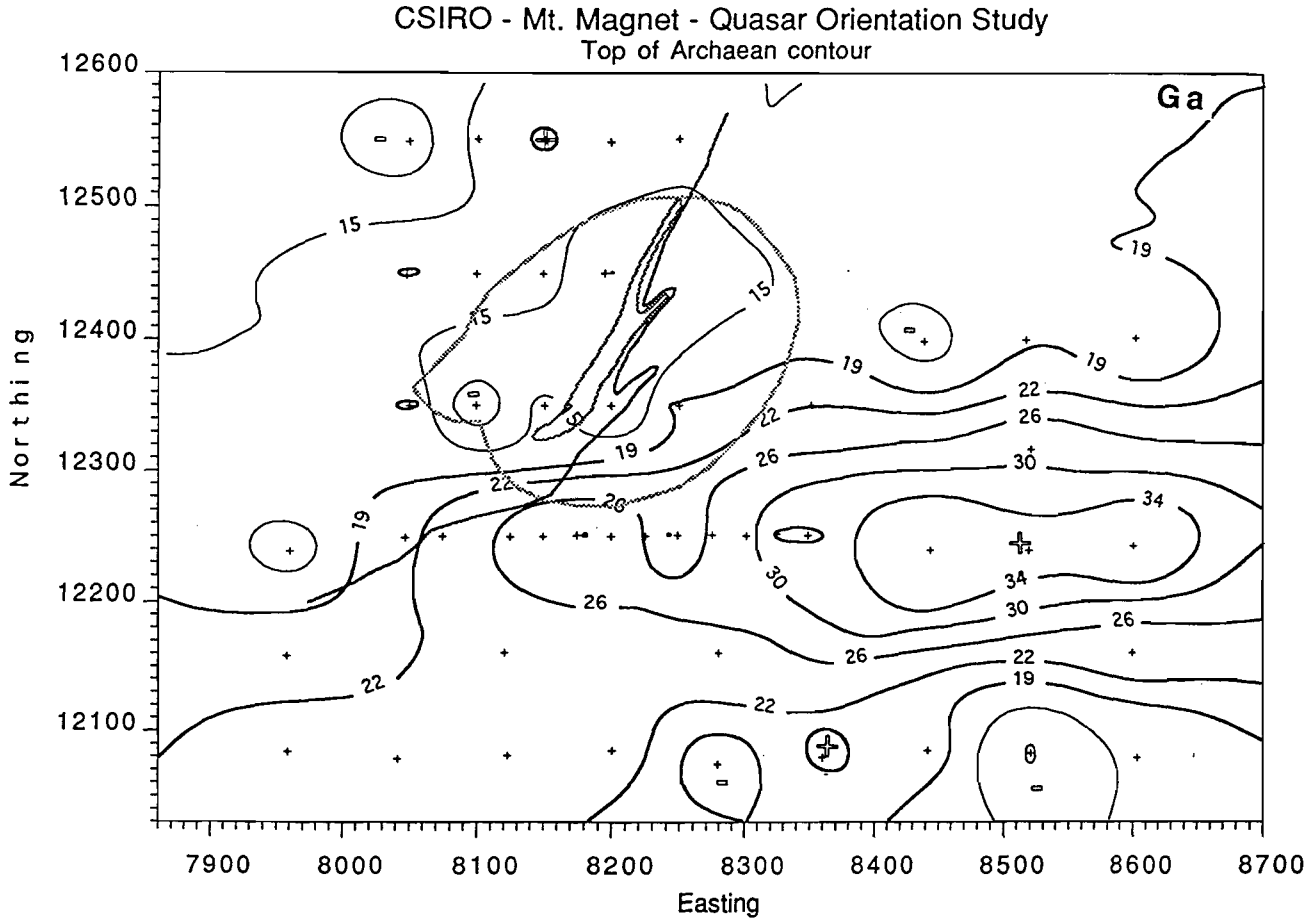
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Top of Archaean contour
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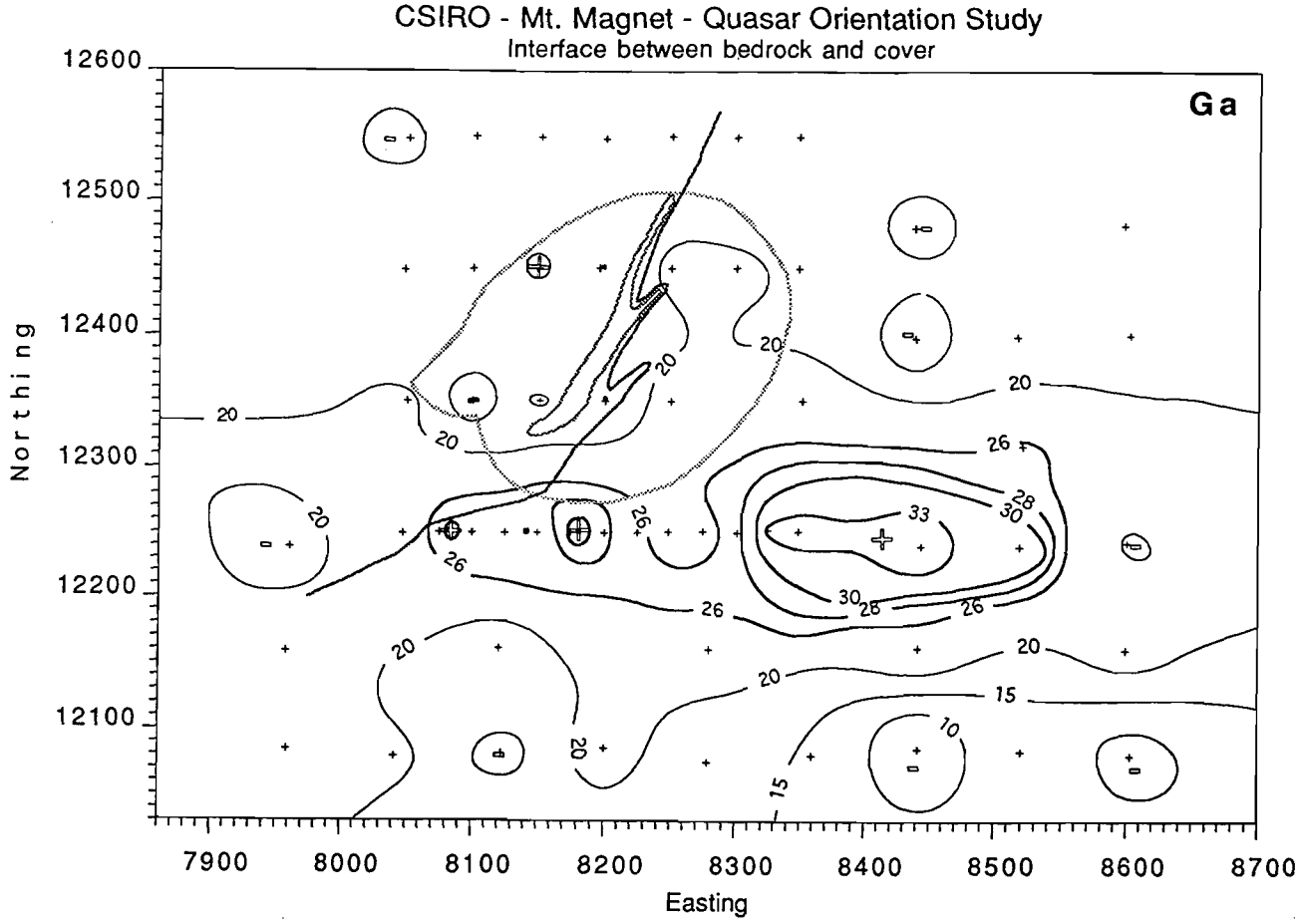
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Interface between bedrock and cover
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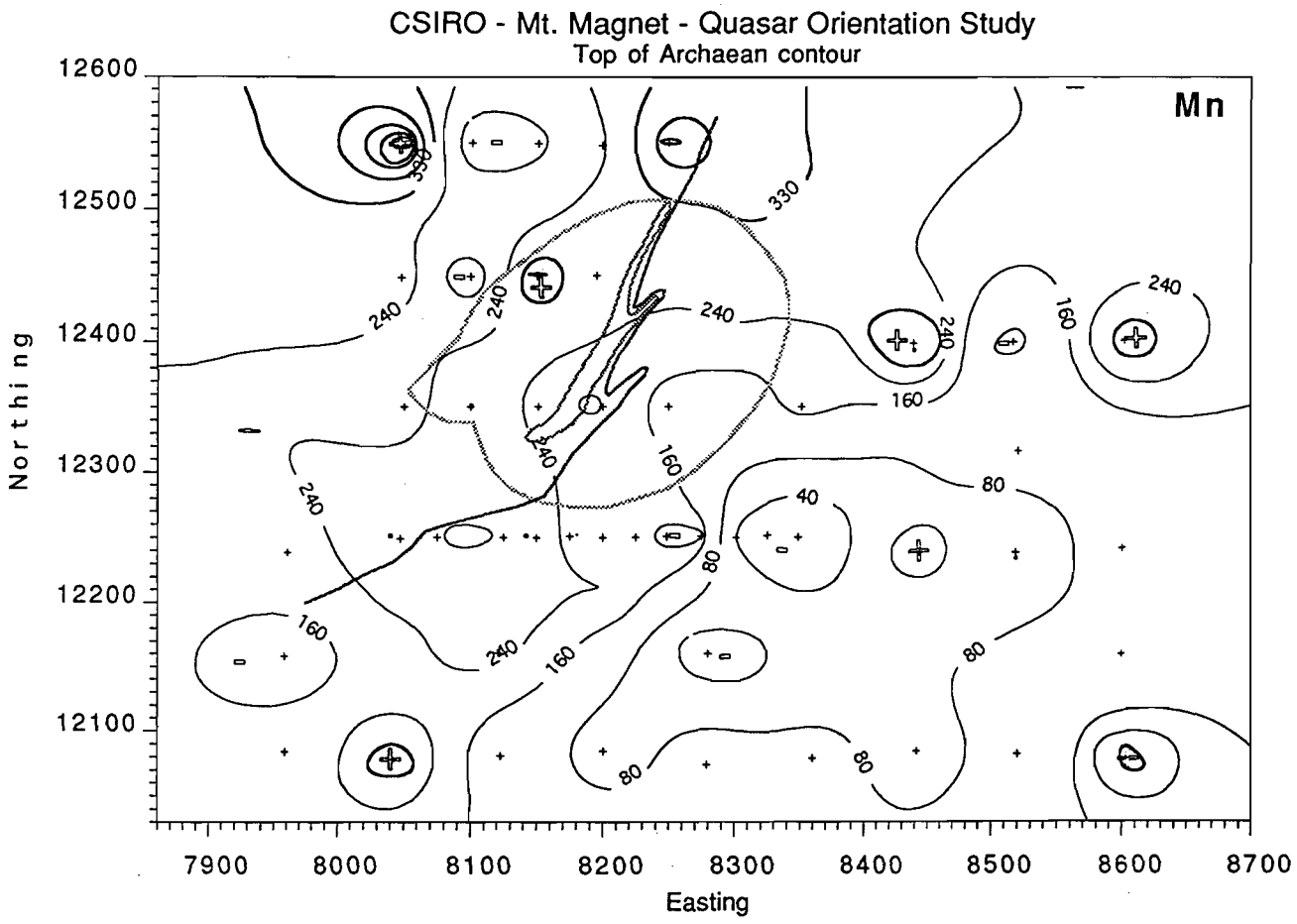
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Top of Archaean contour
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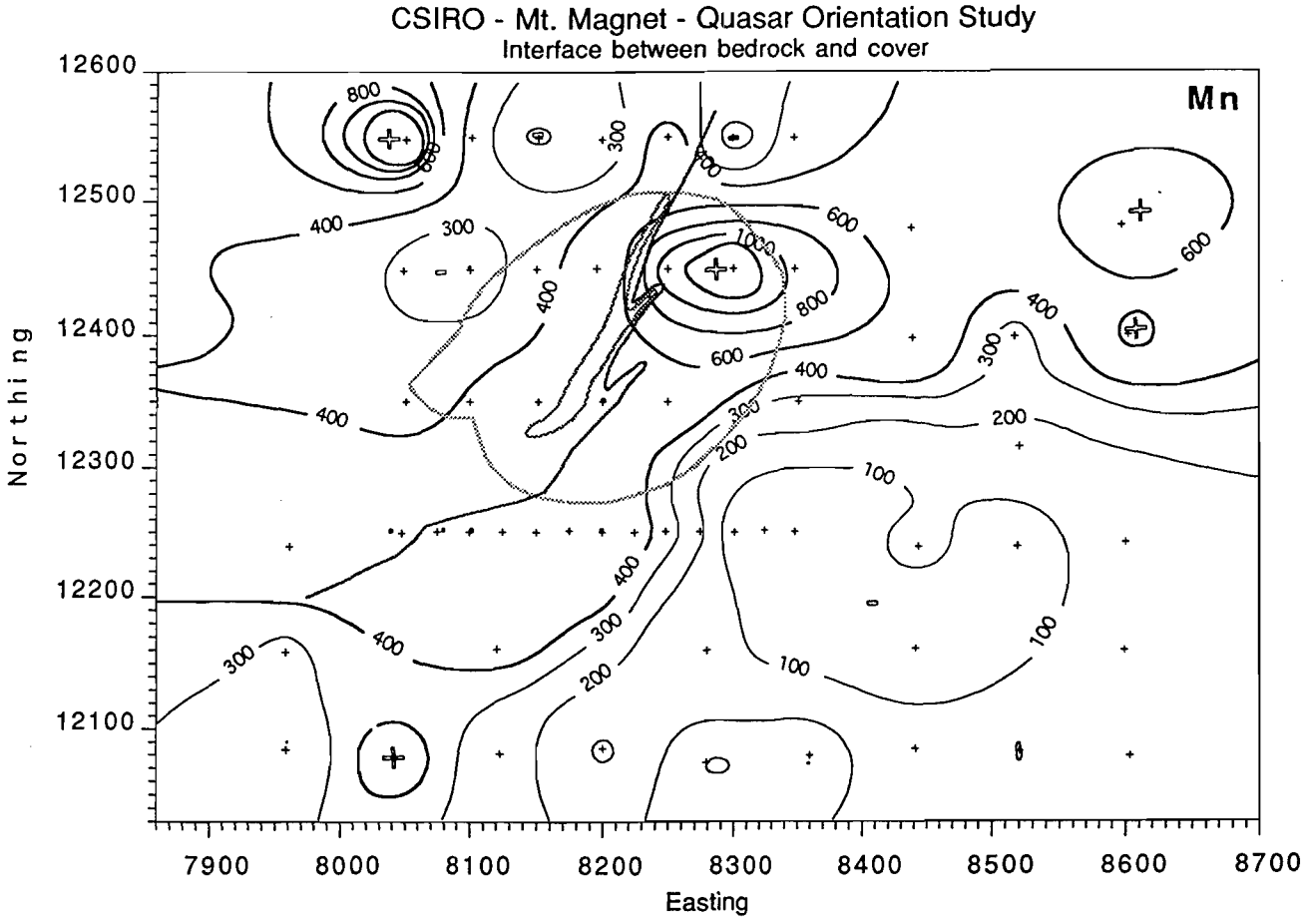
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Interface between bedrock and cover
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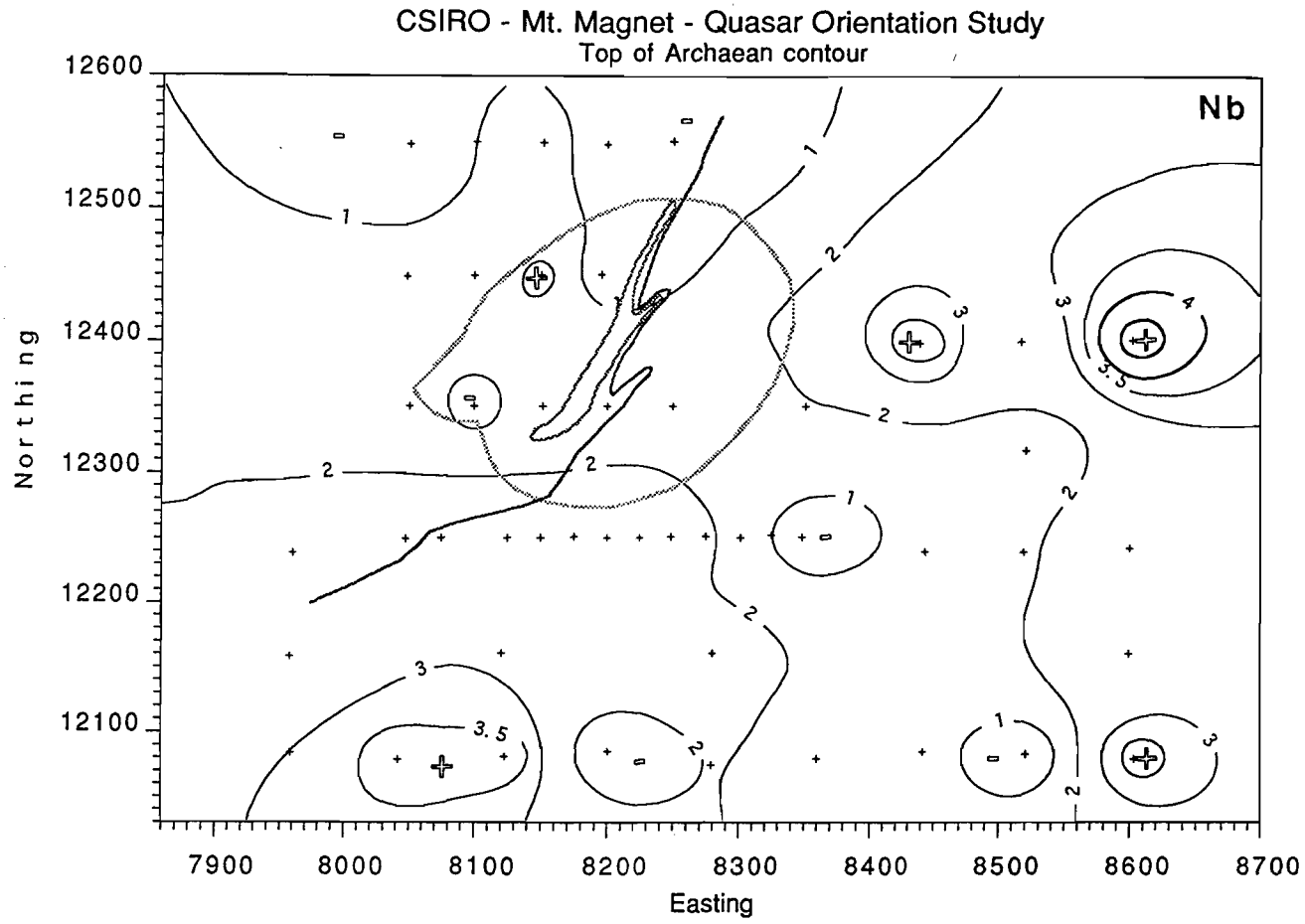
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Top of Archaean contour
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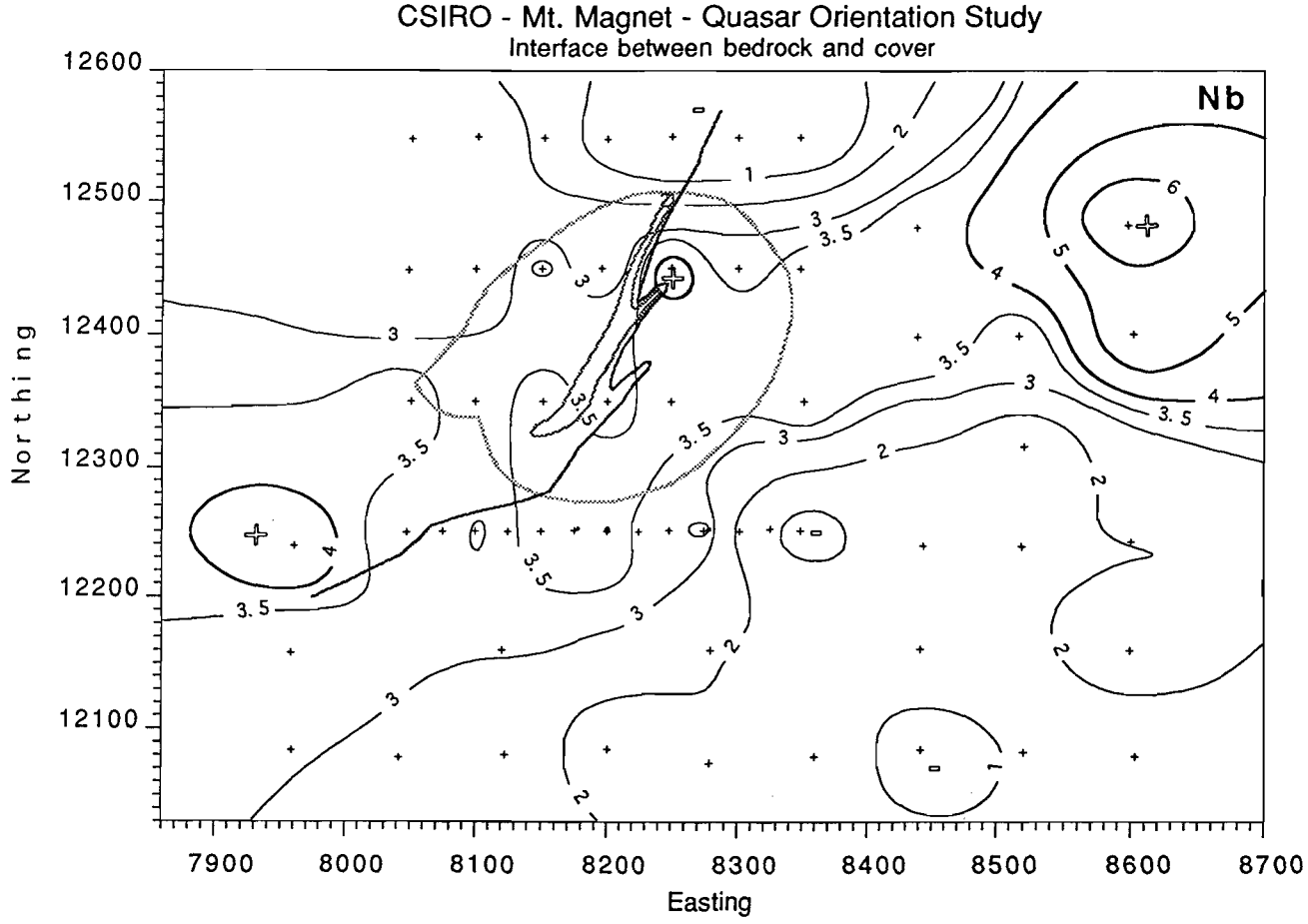
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Interface between bedrock and cover
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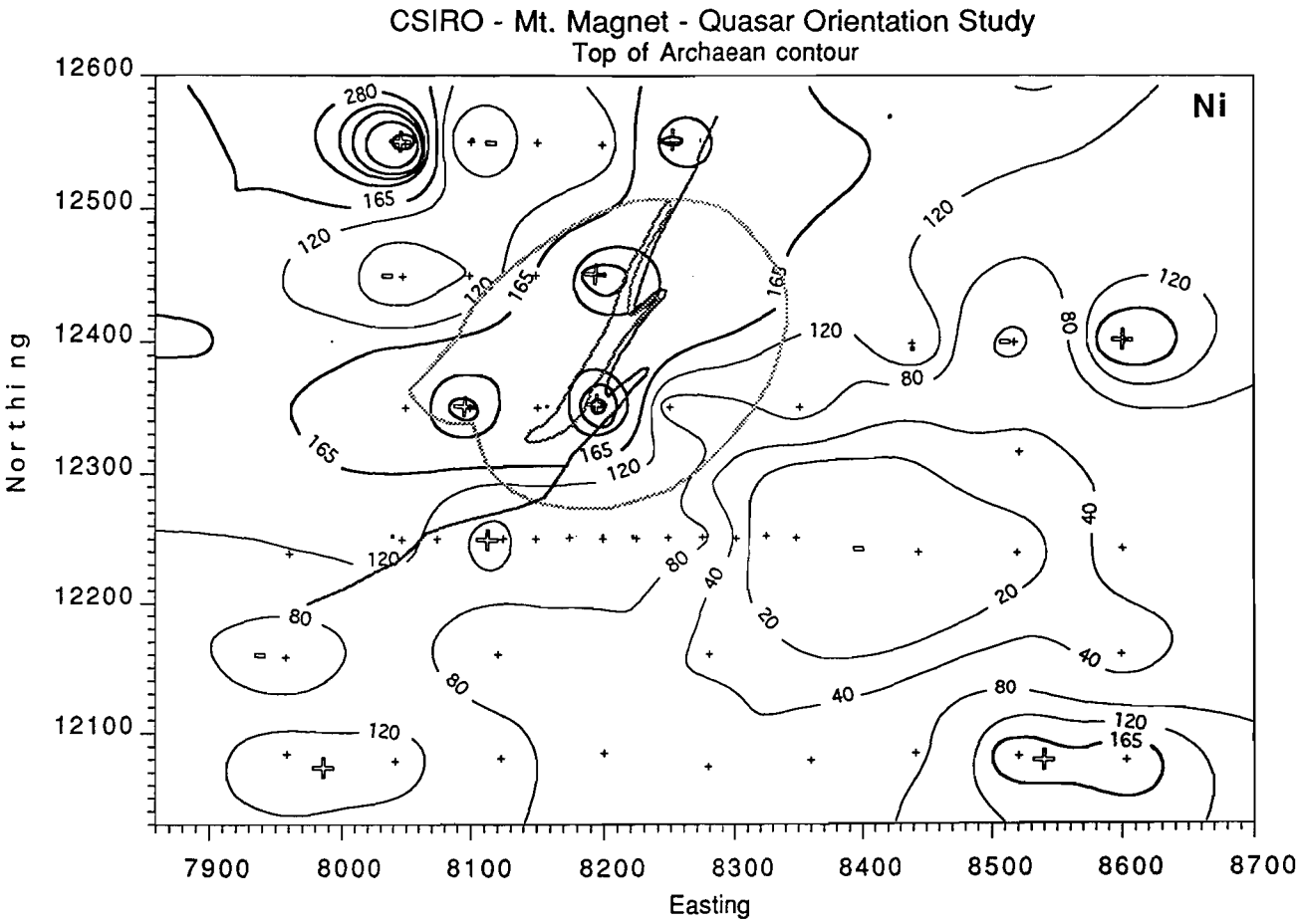
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Top of Archaean contour
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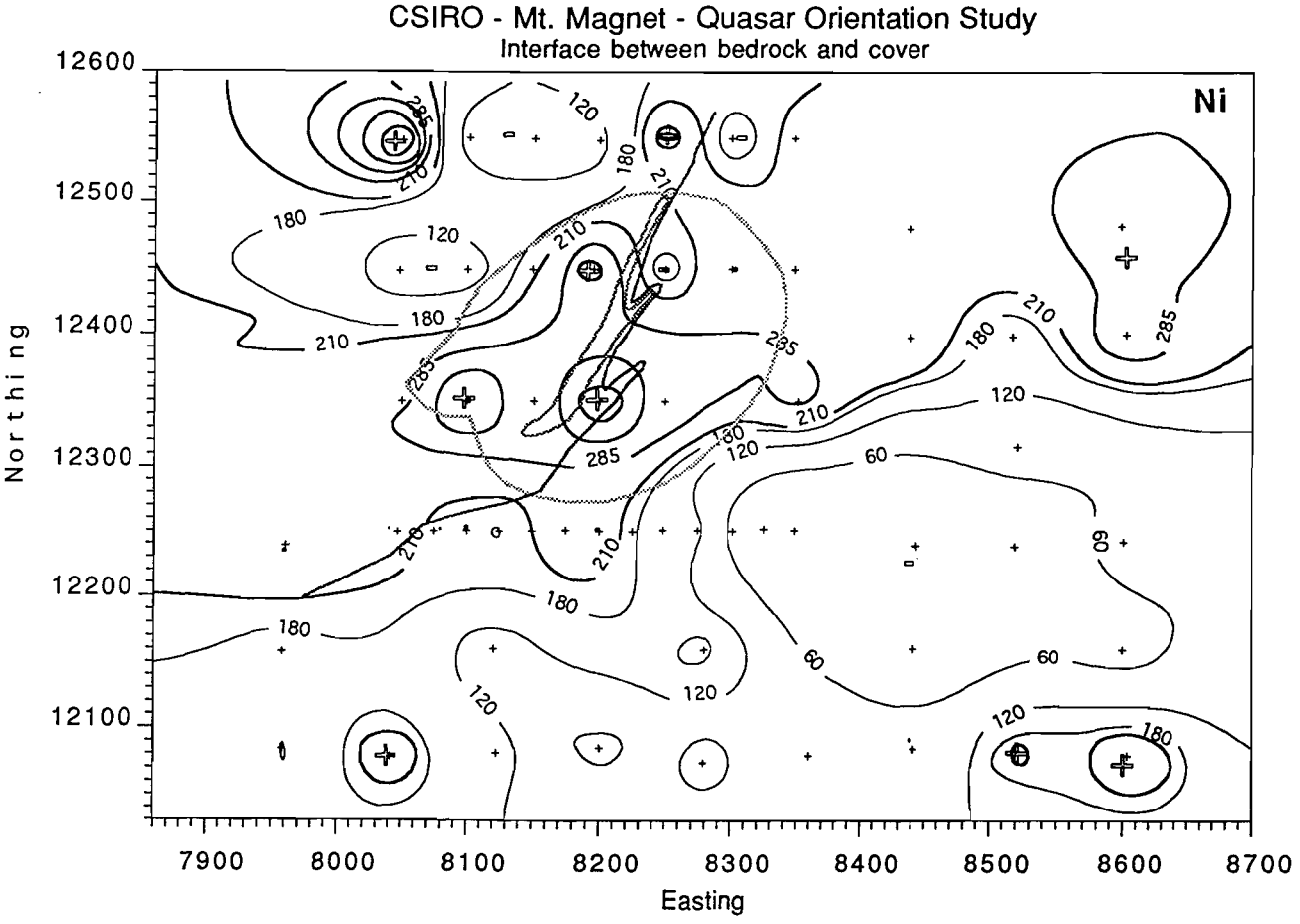
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Interface between bedrock and cover
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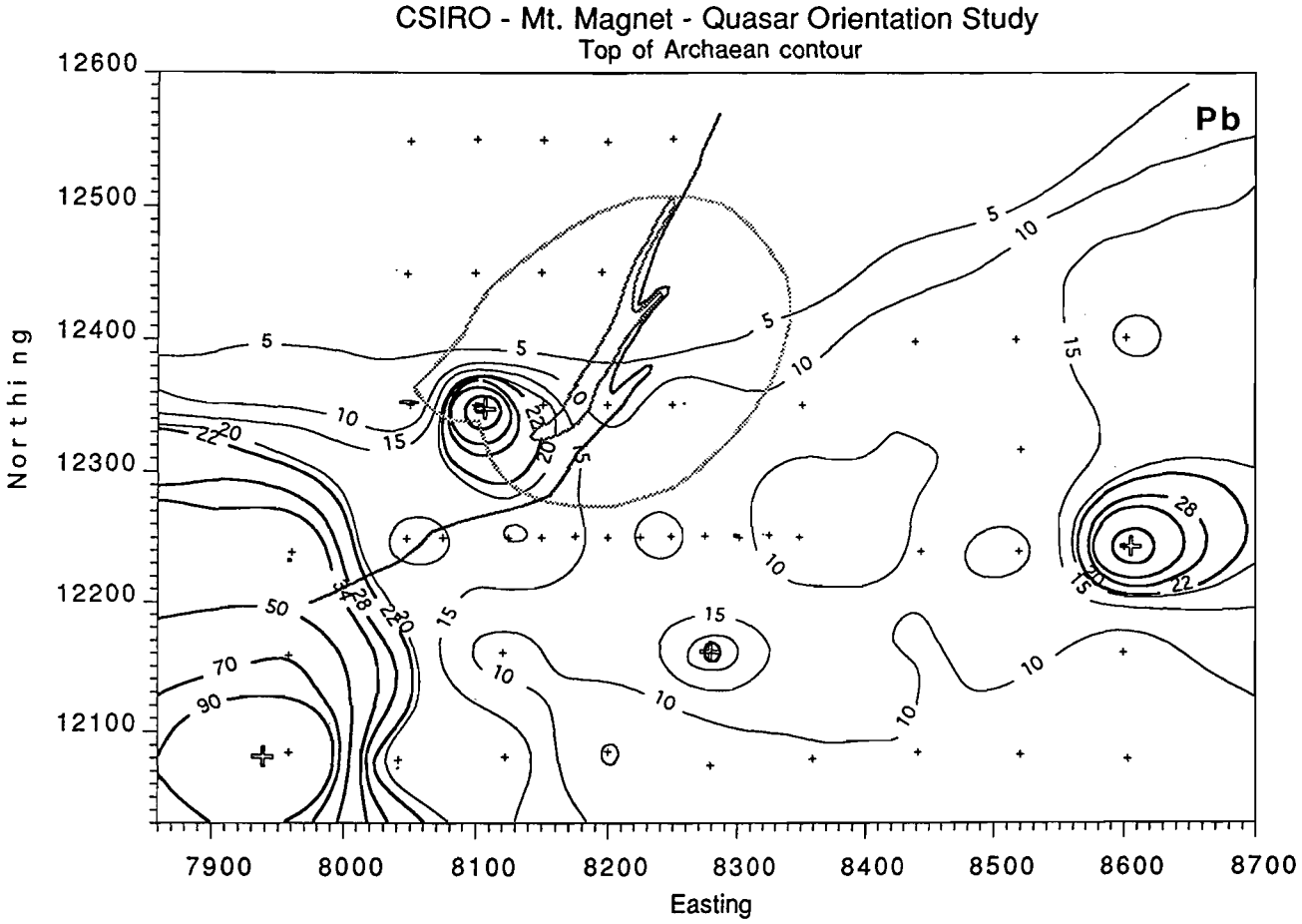
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Top of Archaean contour
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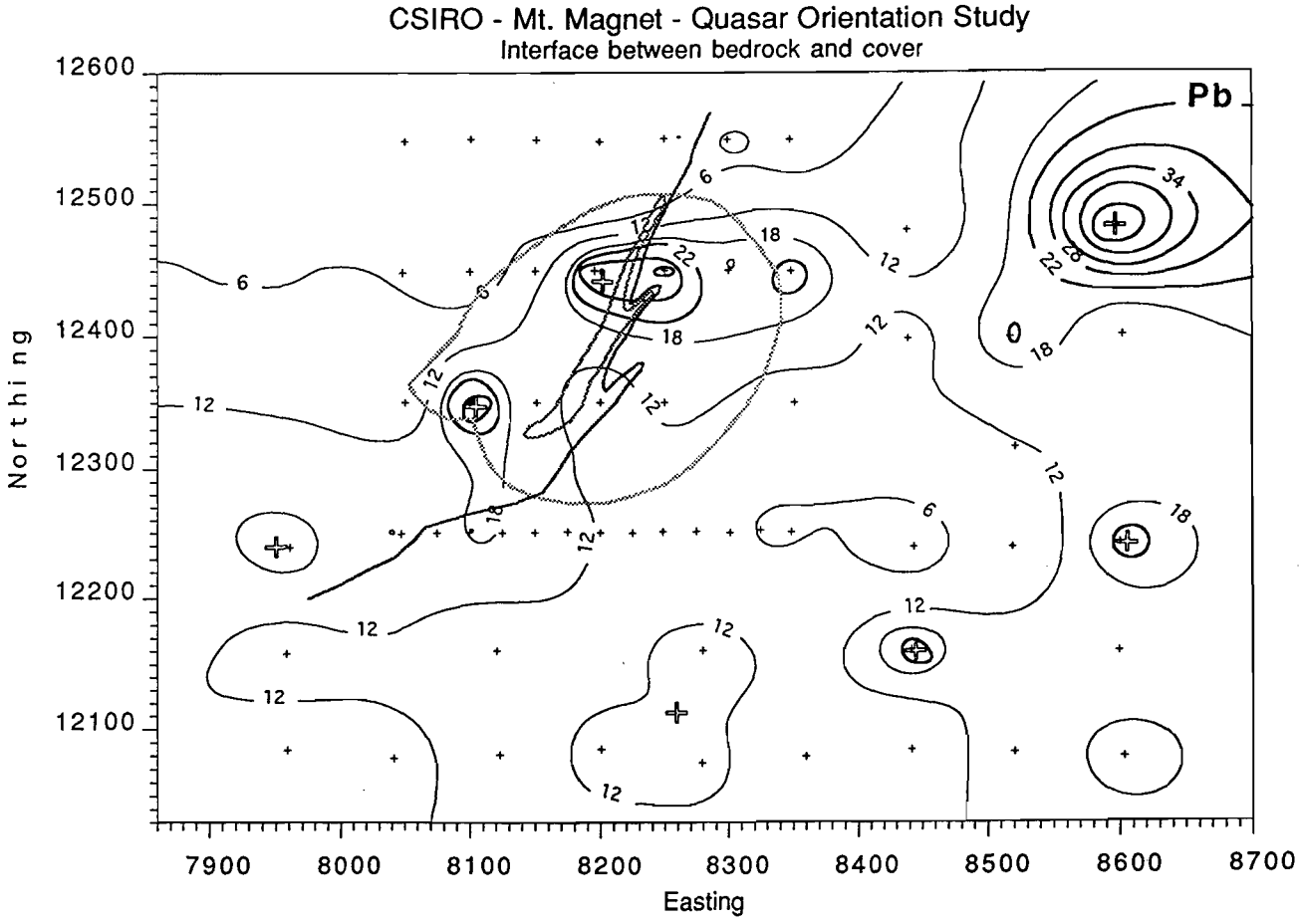
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Interface between bedrock and cover
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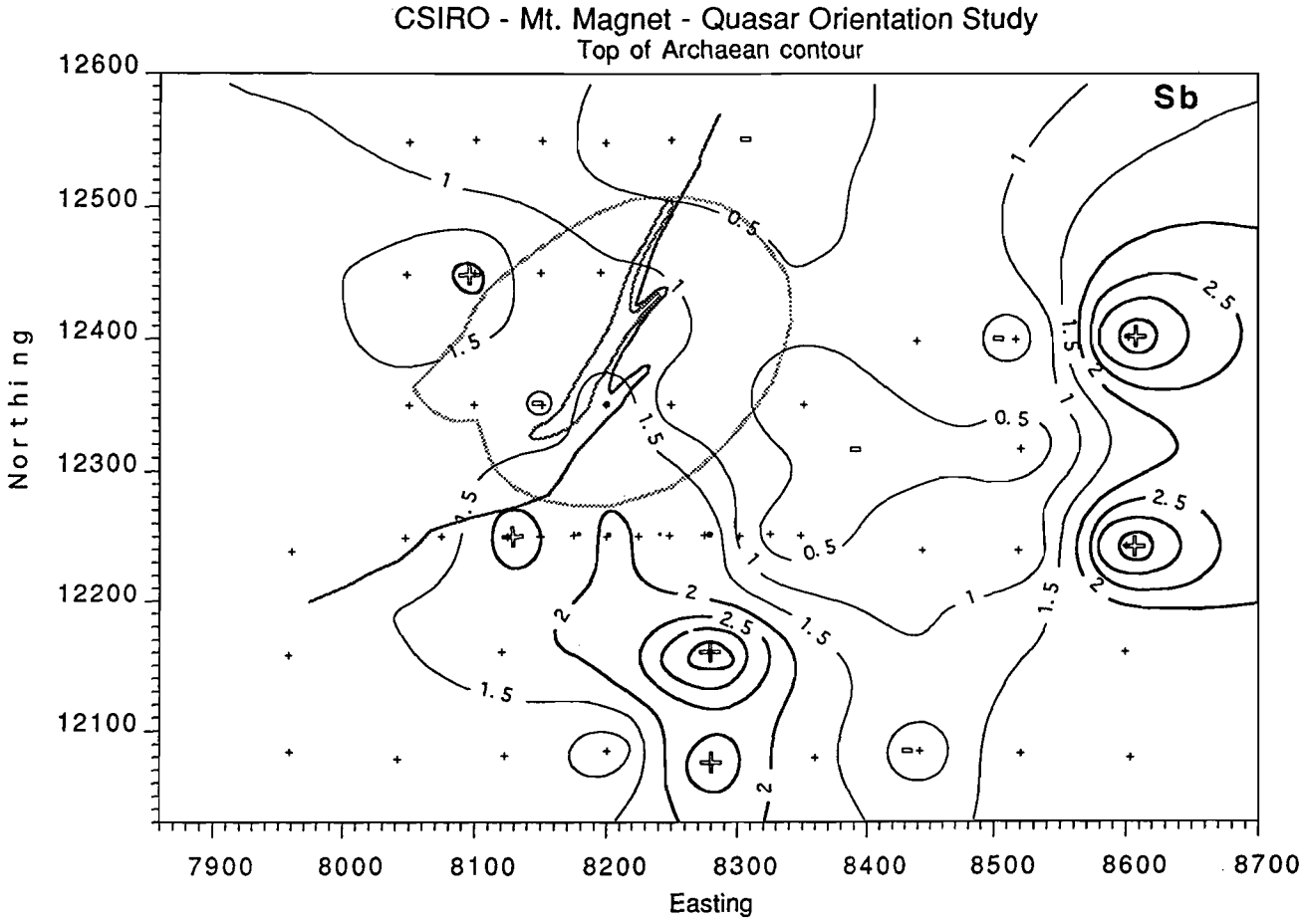
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Top of Archaean contour
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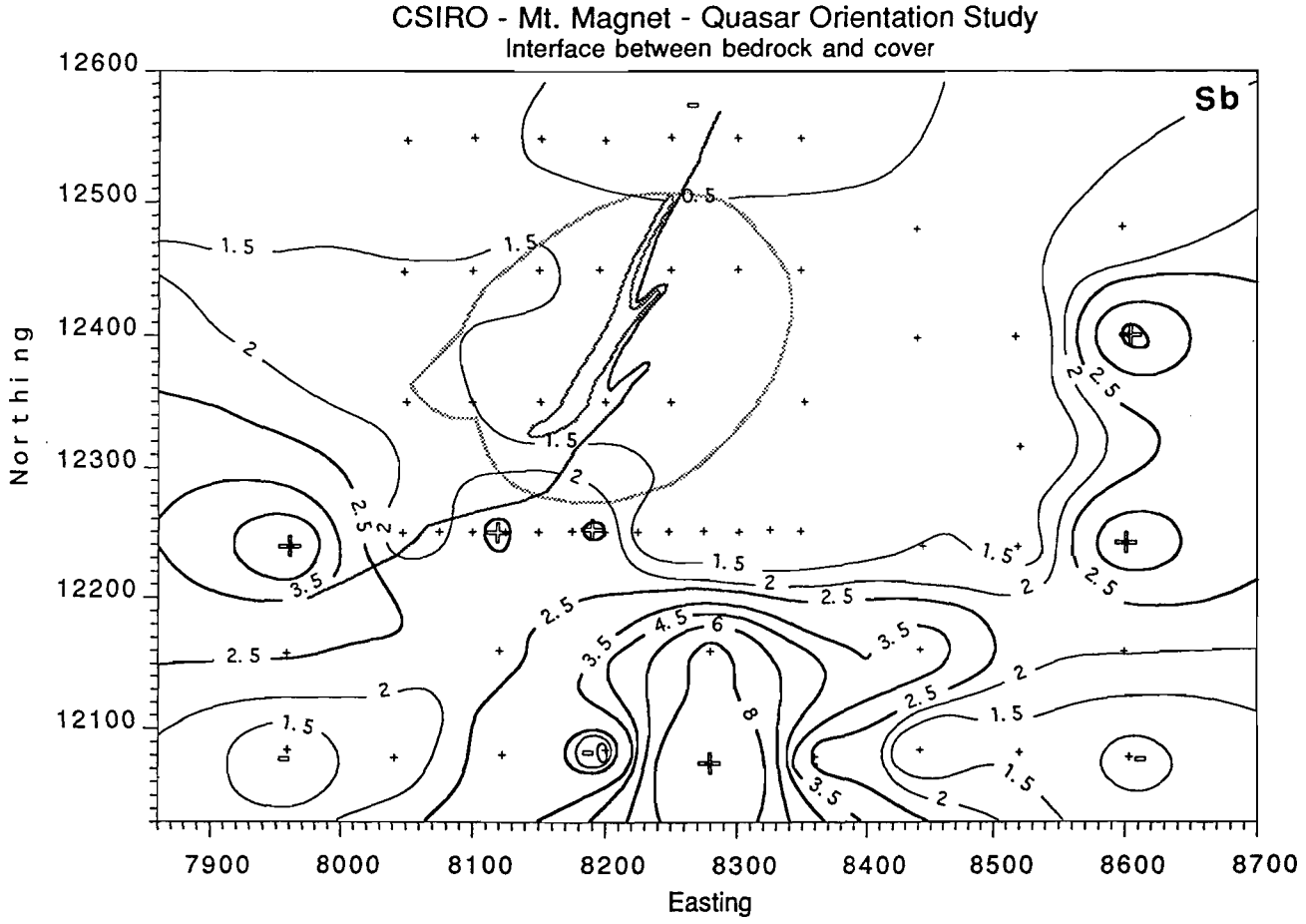
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Interface between bedrock and cover
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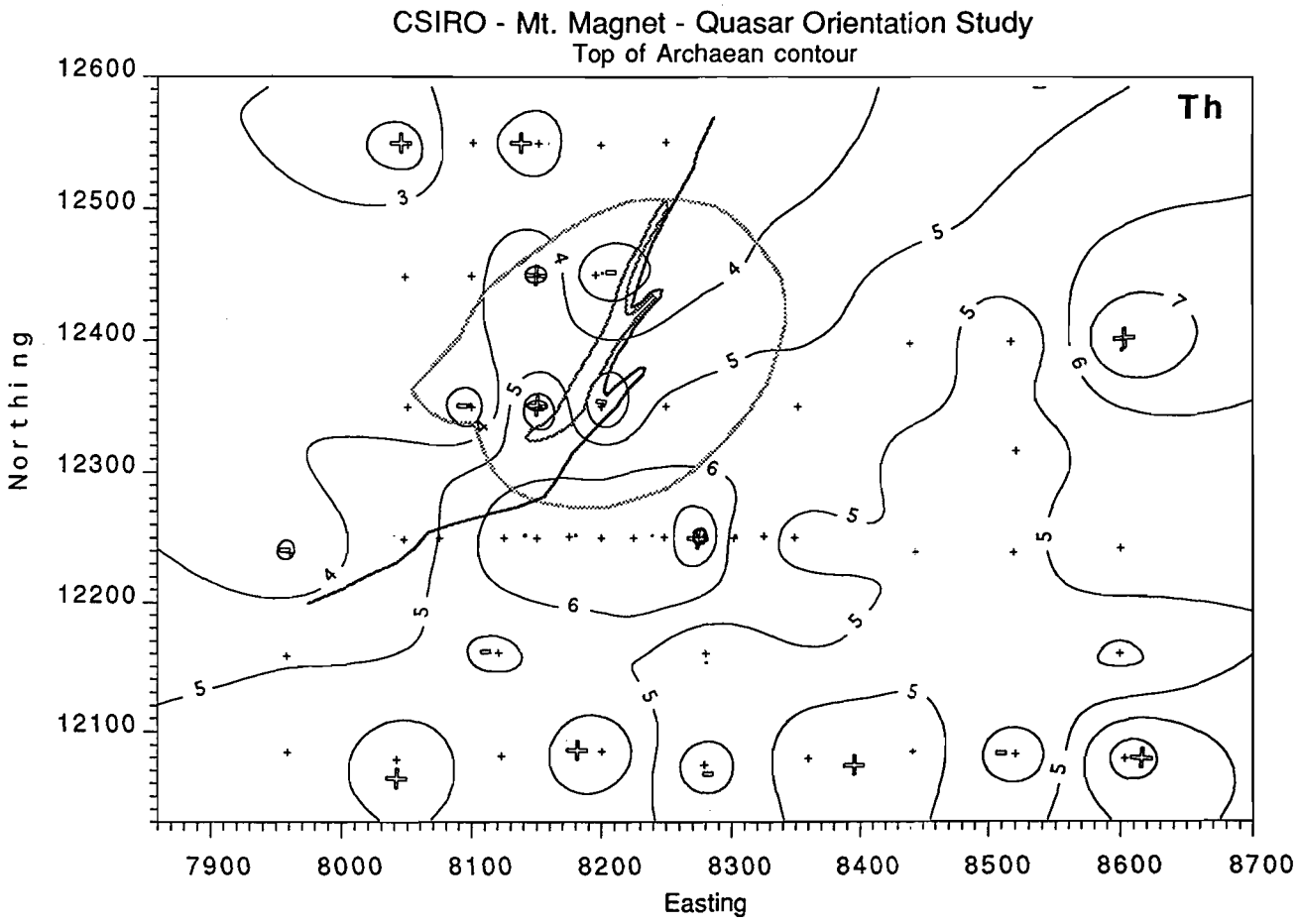
CSIRO - Mt. Magnet - Quasar Orientation Study
Top of Archaean contour
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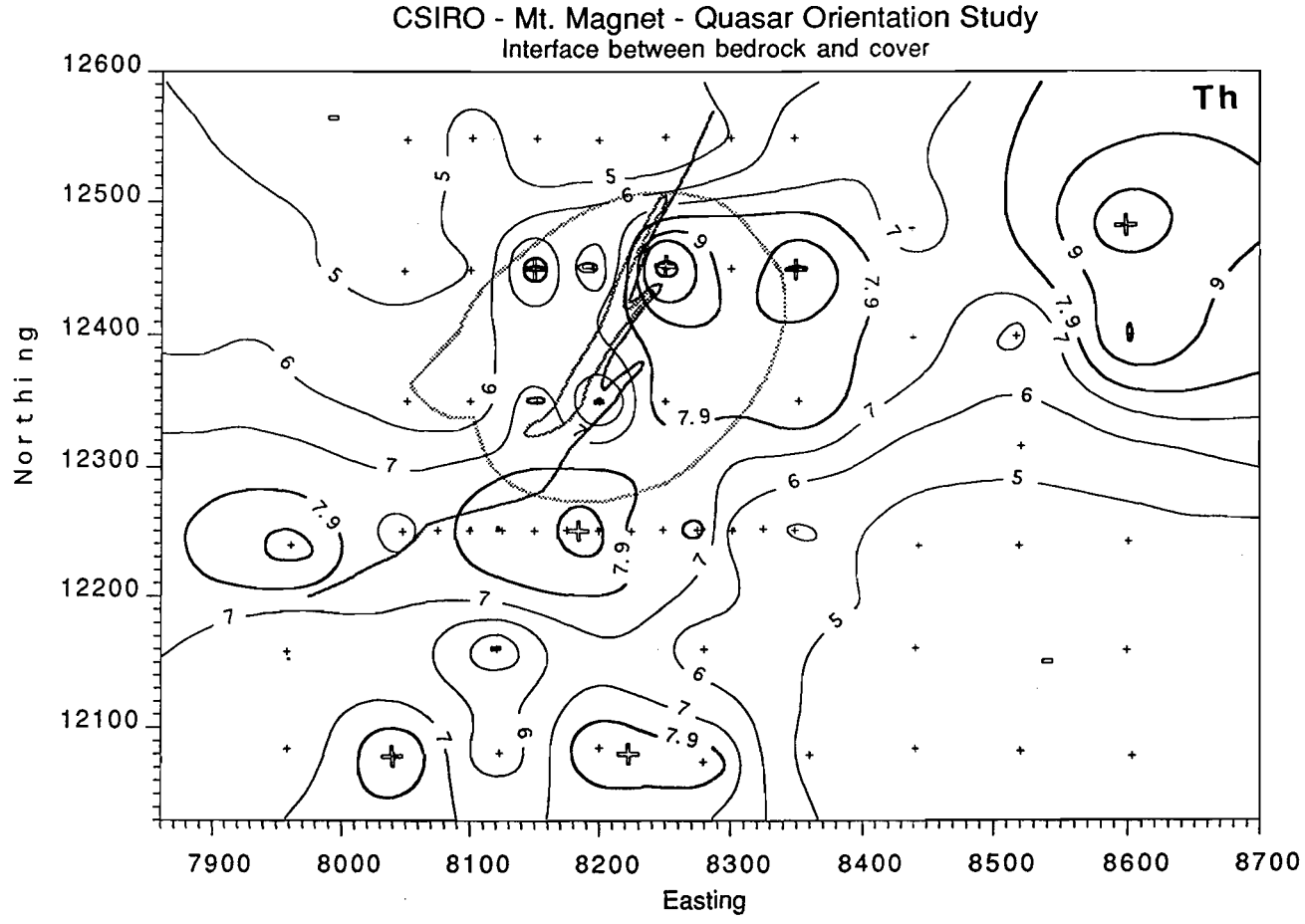
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Interface between bedrock and cover
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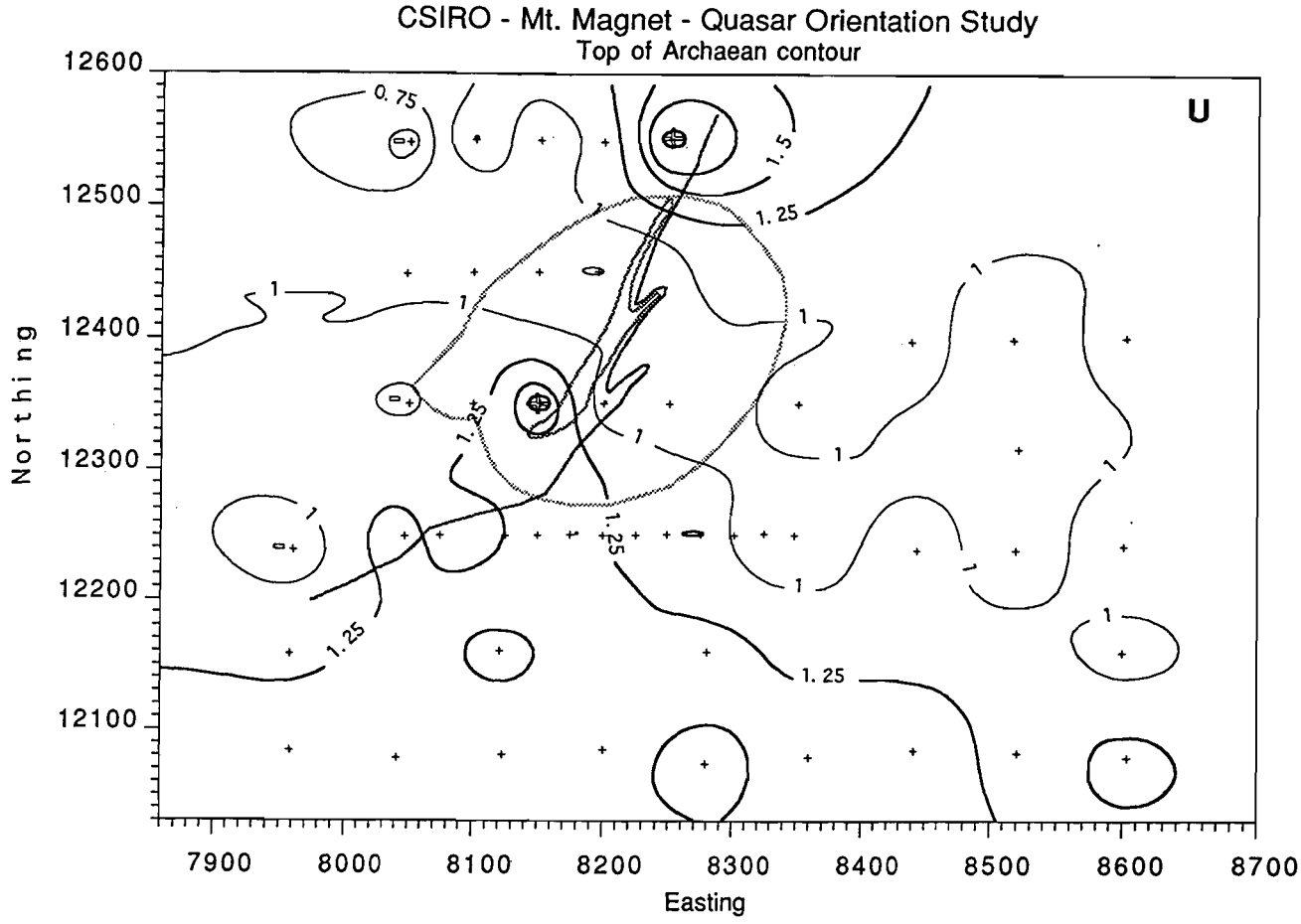
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Top of Archaean contour
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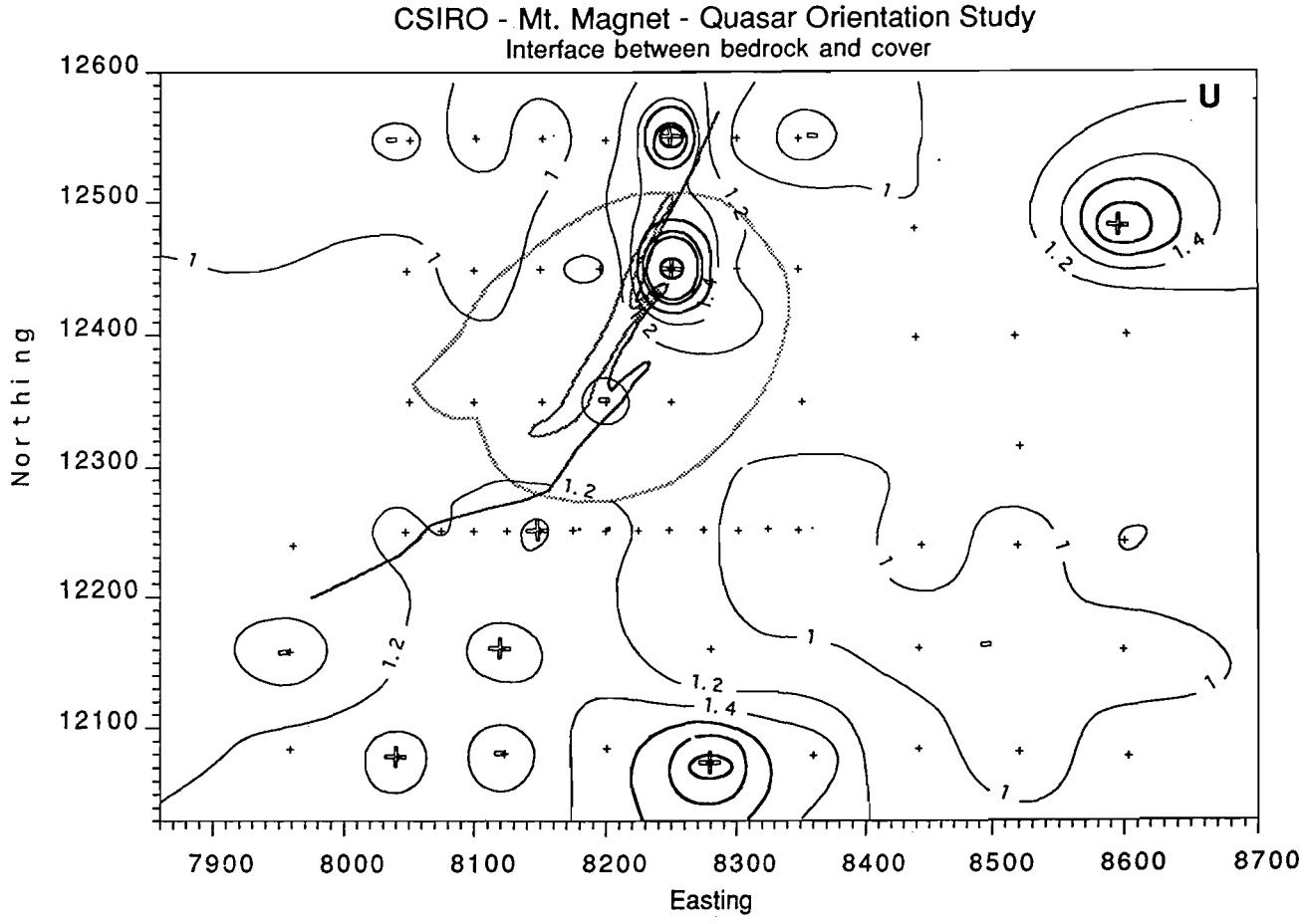
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Interface between bedrock and cover
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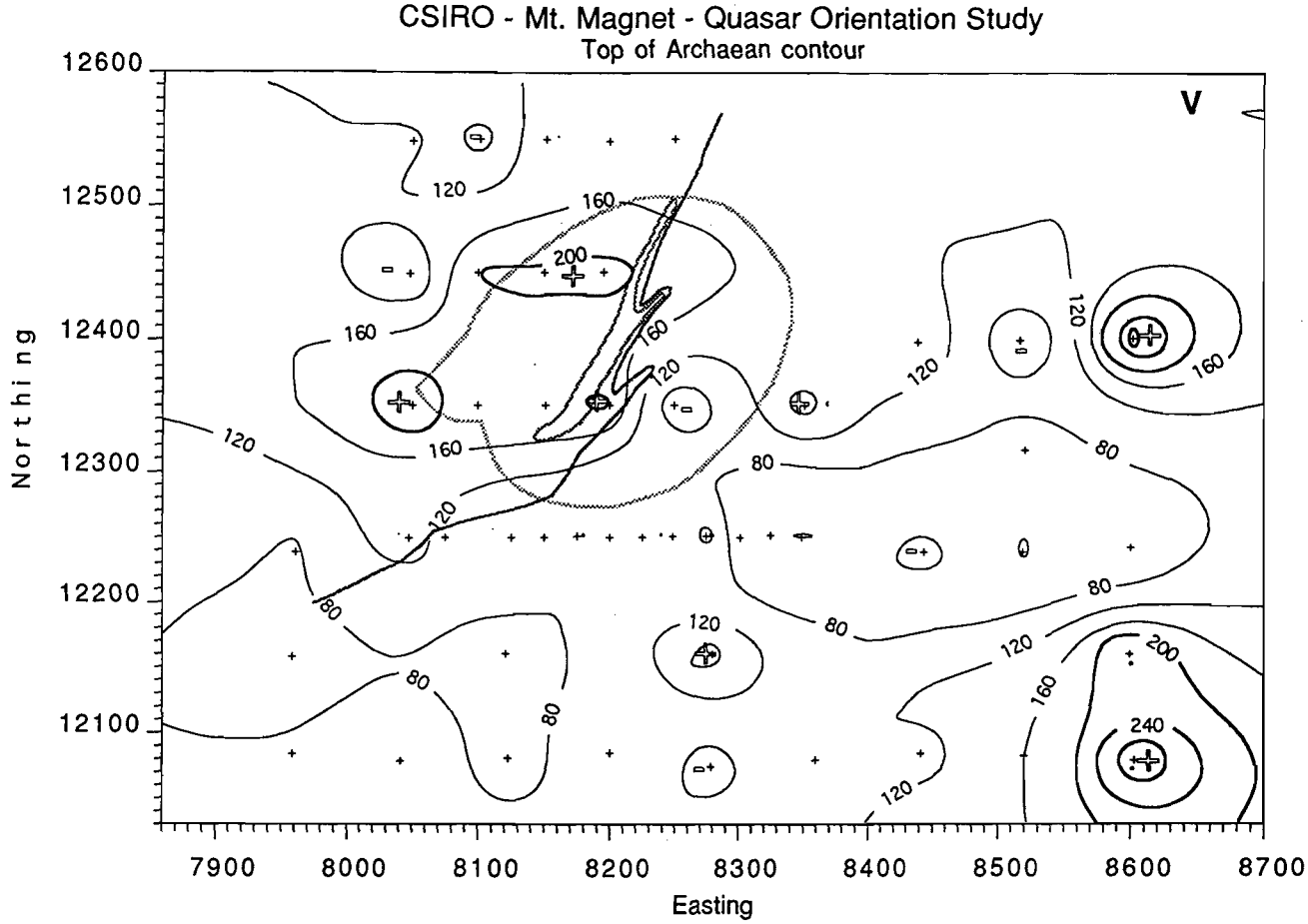
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Top of Archaean contour
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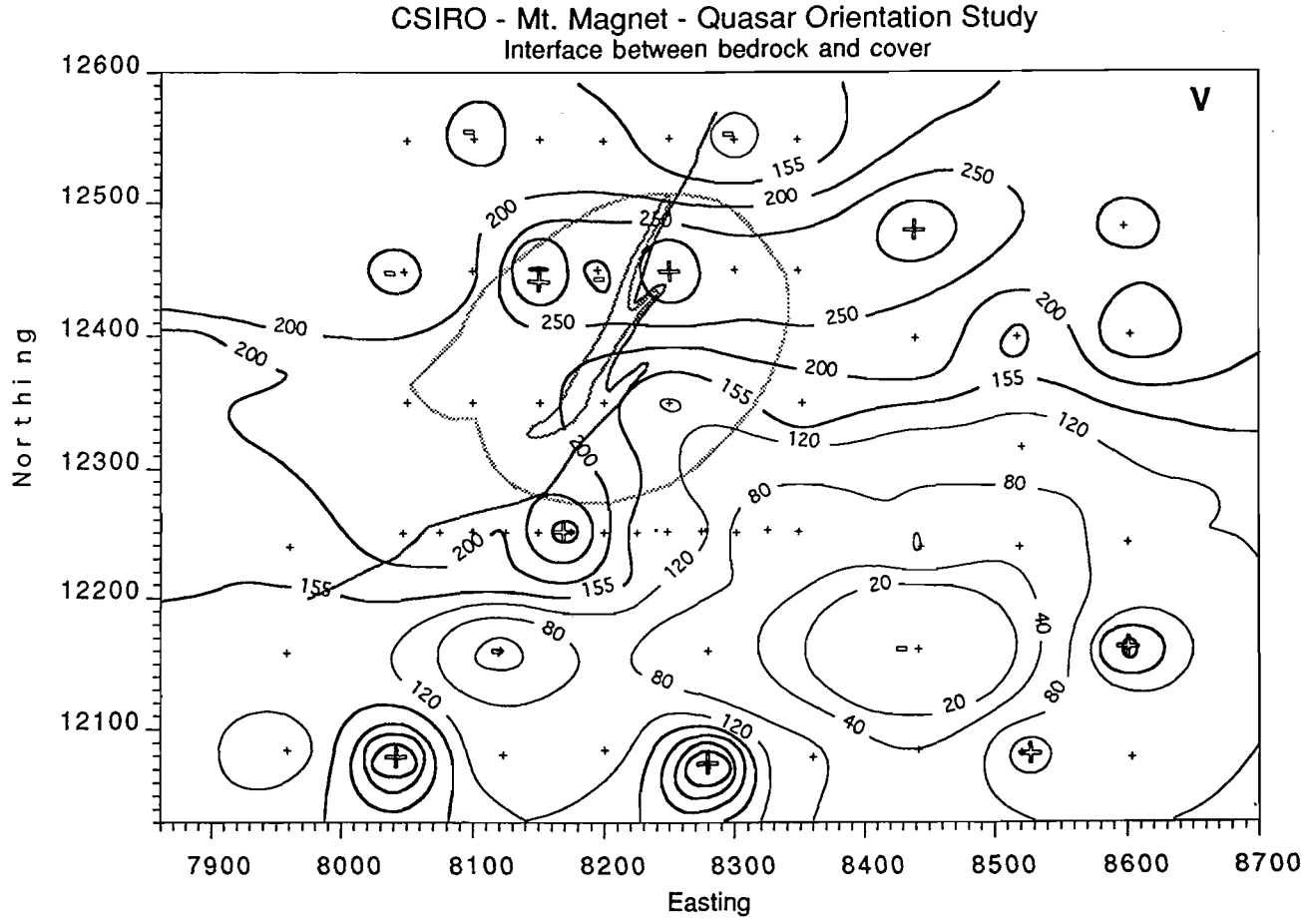
Easting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Interface between bedrock and cover
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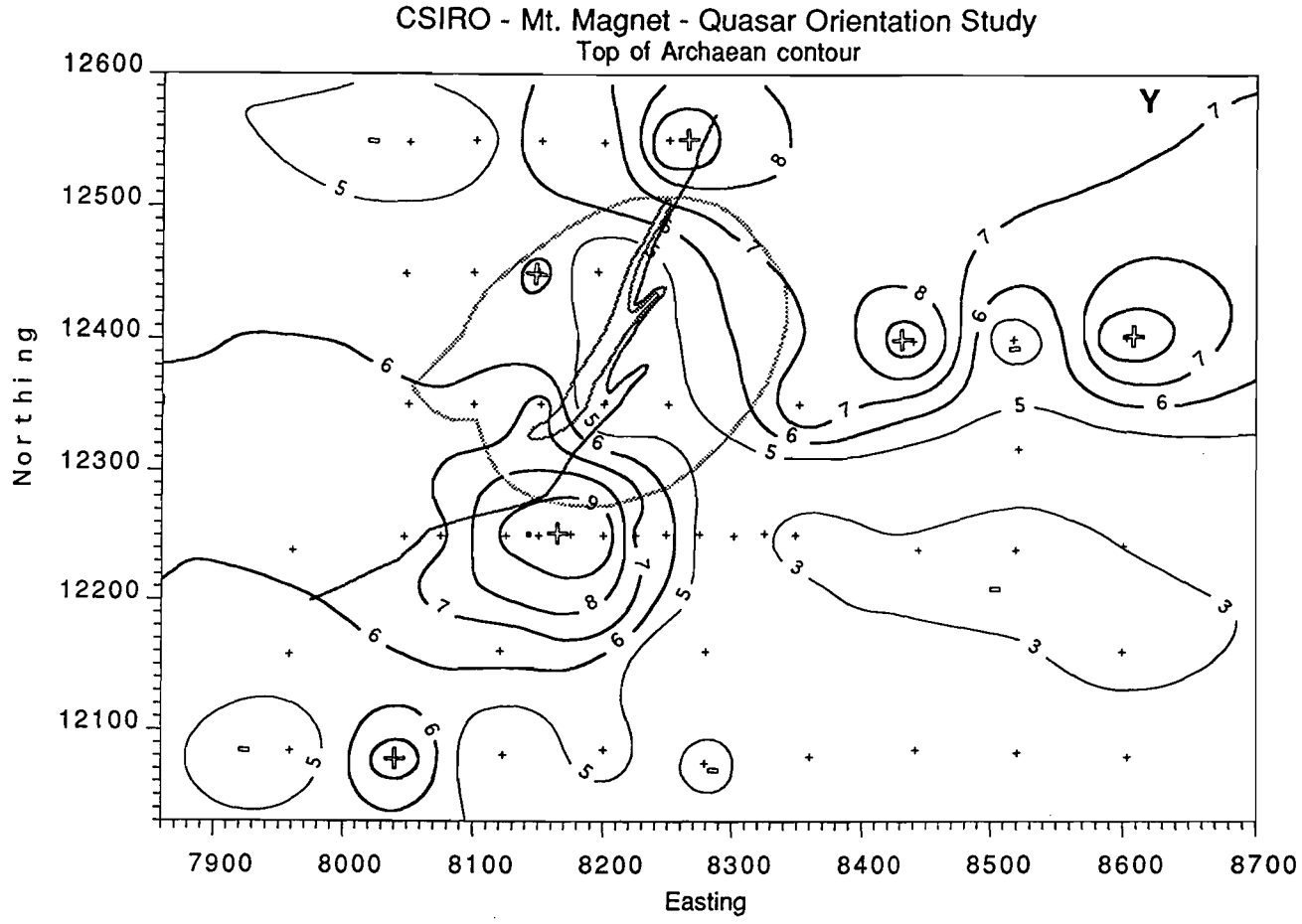
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Top of Archaean contour
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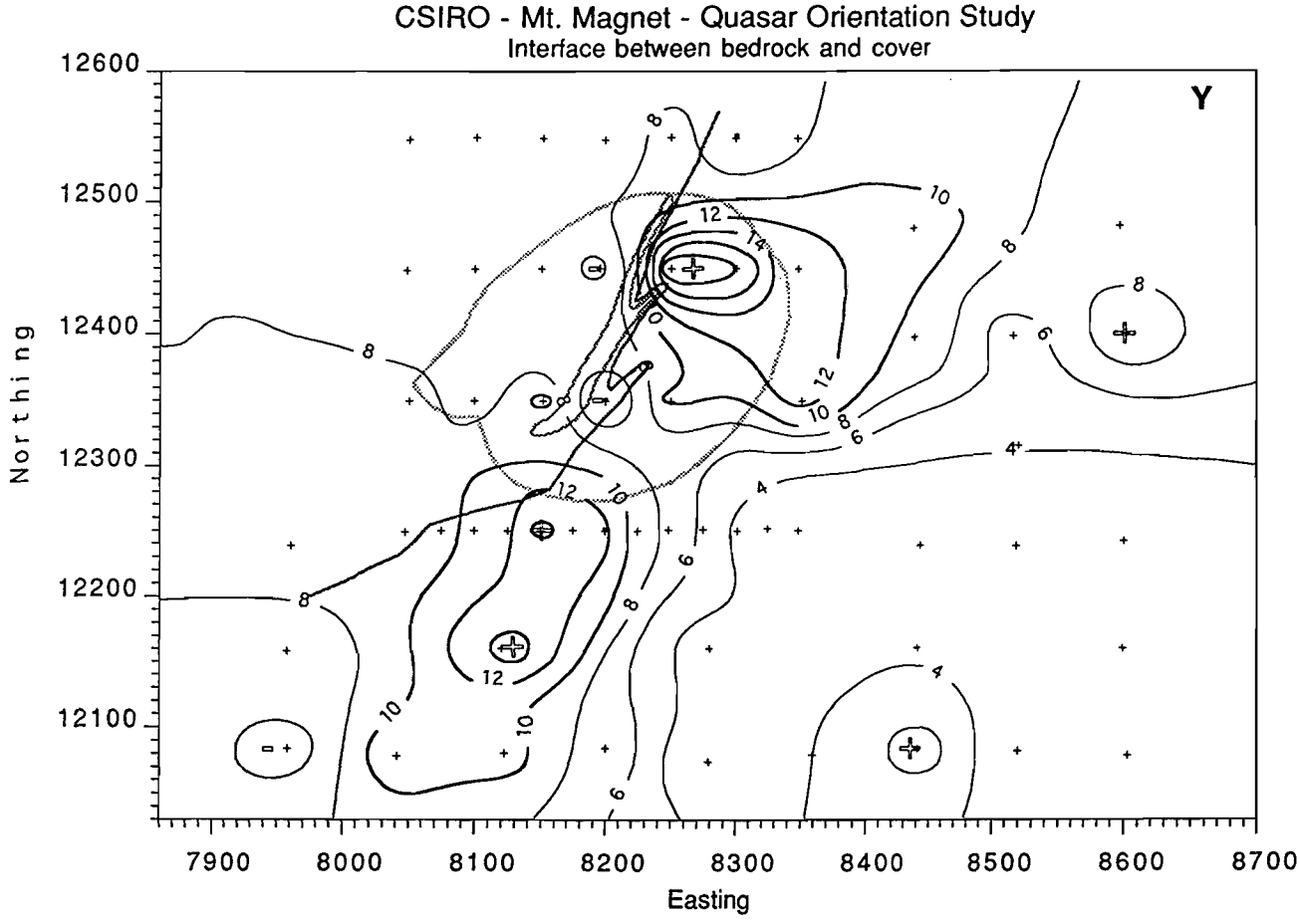
CSIRO - Mt. Magnet - Quasar Orientation Study
Interface between bedrock and cover
Y
Northing
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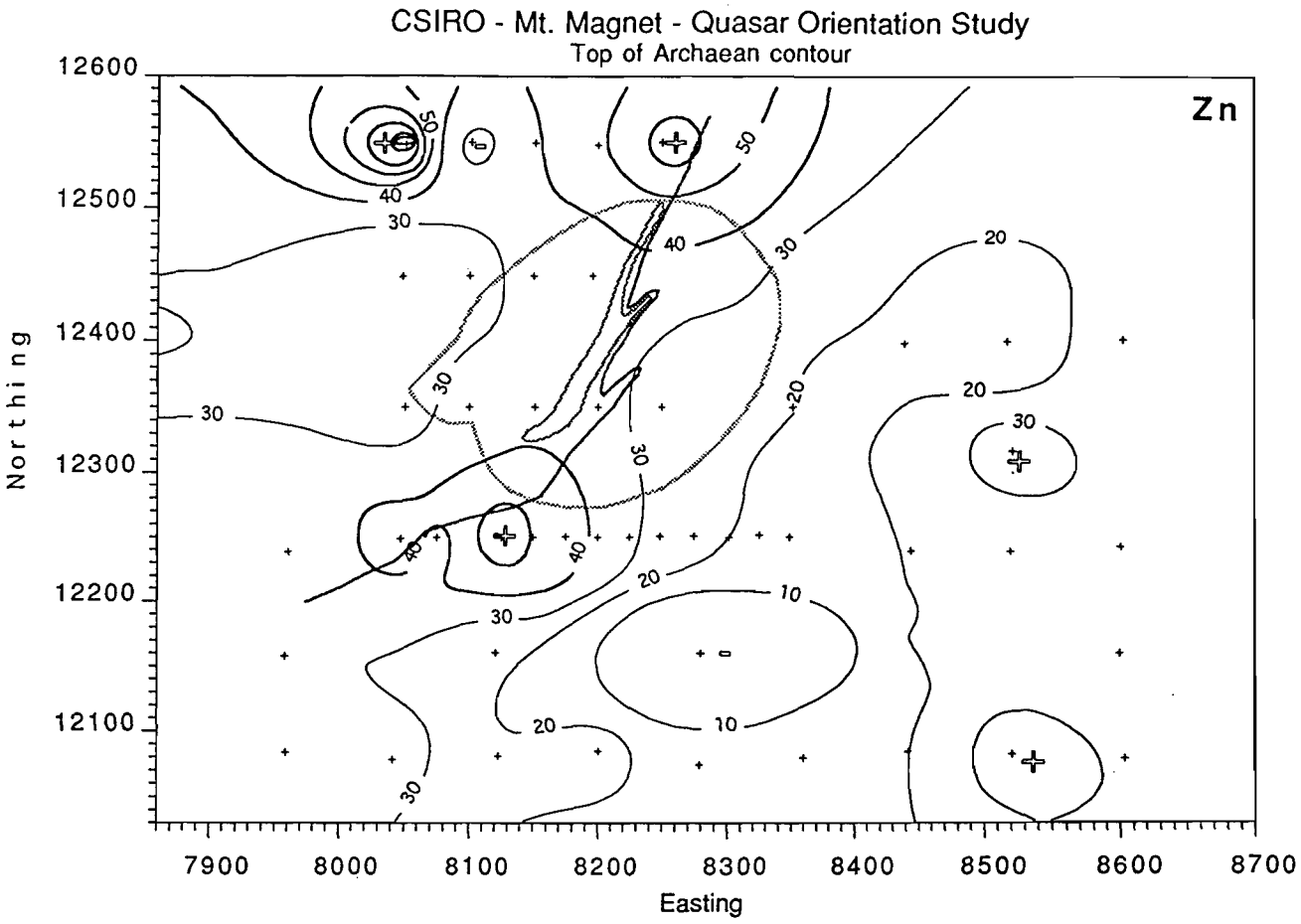
Easting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Top of Archaean contour
Zn
Northing
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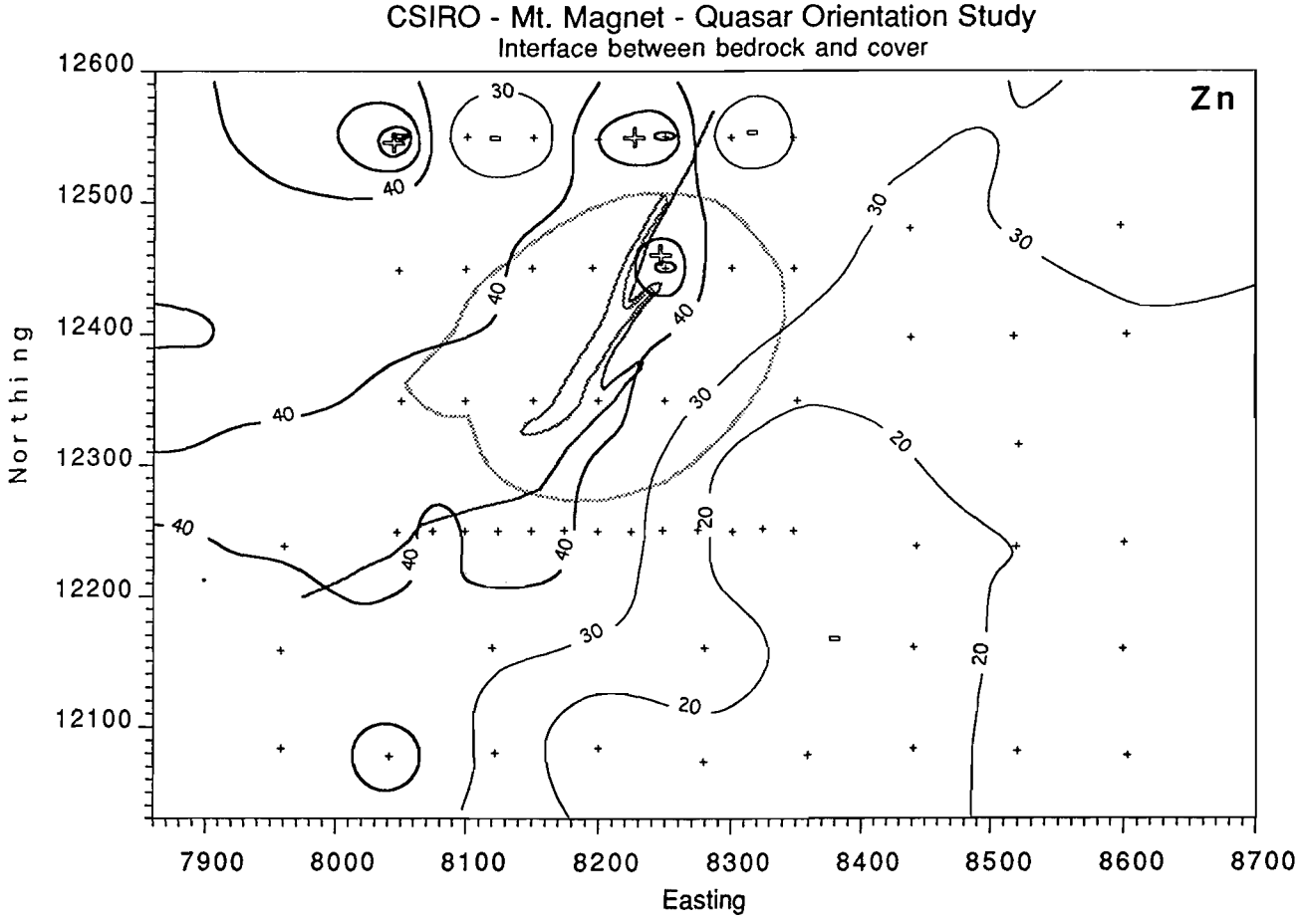
Easting


CSIRO - Mt. Magnet - Quasar Orientation Study
Interface between bedrock and cover
Zn
Northing
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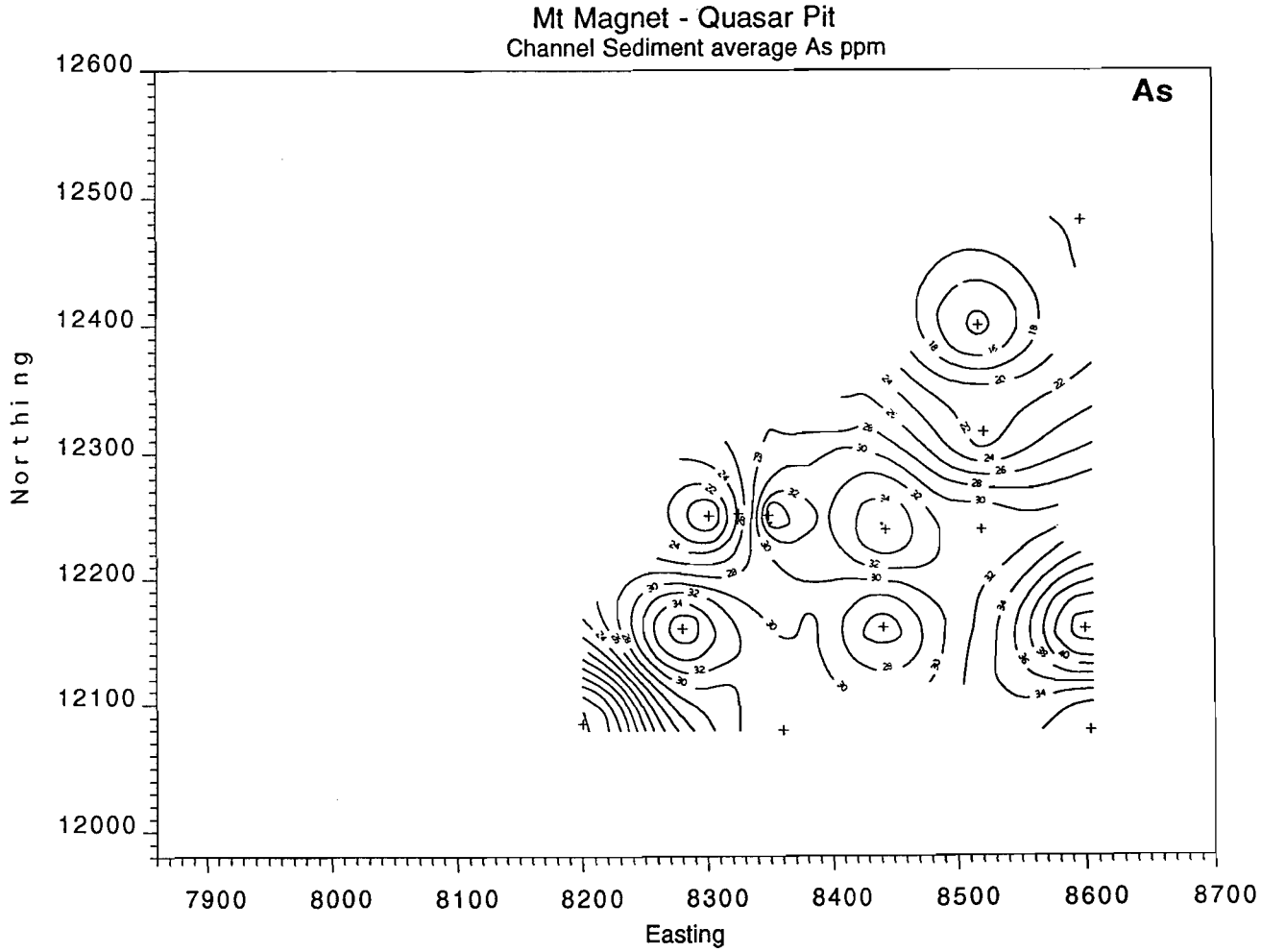
Easting

APPENDIX Q8

CONTOURED GEOCHEMISTRY
QUASAR AVERAGE PALAEOCHANNEL SEDIMENT

refer to Appendix Q1 for data
n=14


Mt Magnet - Quasar Pit
Channel Sediment average As ppm
As
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Northing
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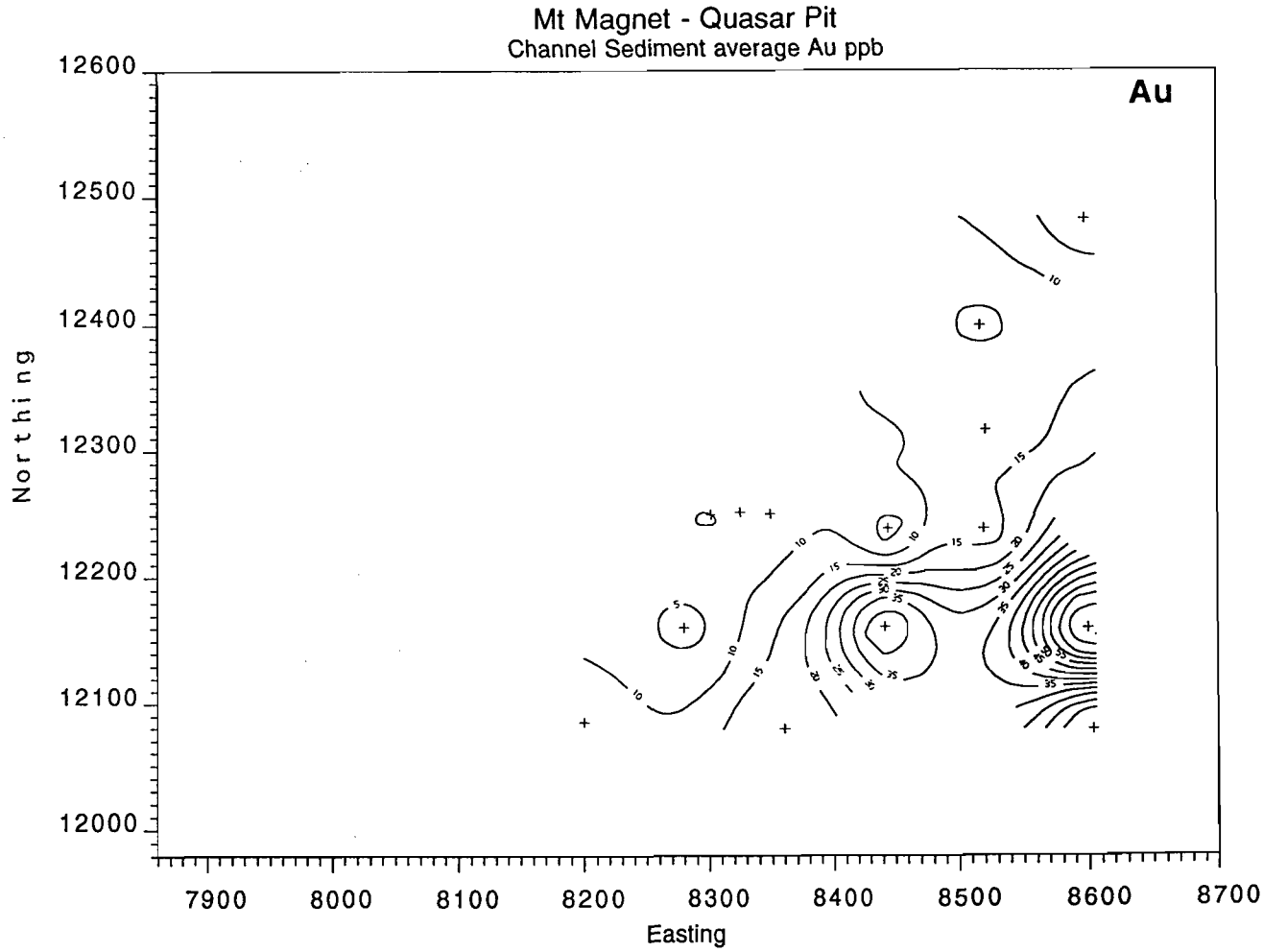
Easting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Channel Sediment average Au ppb
Au
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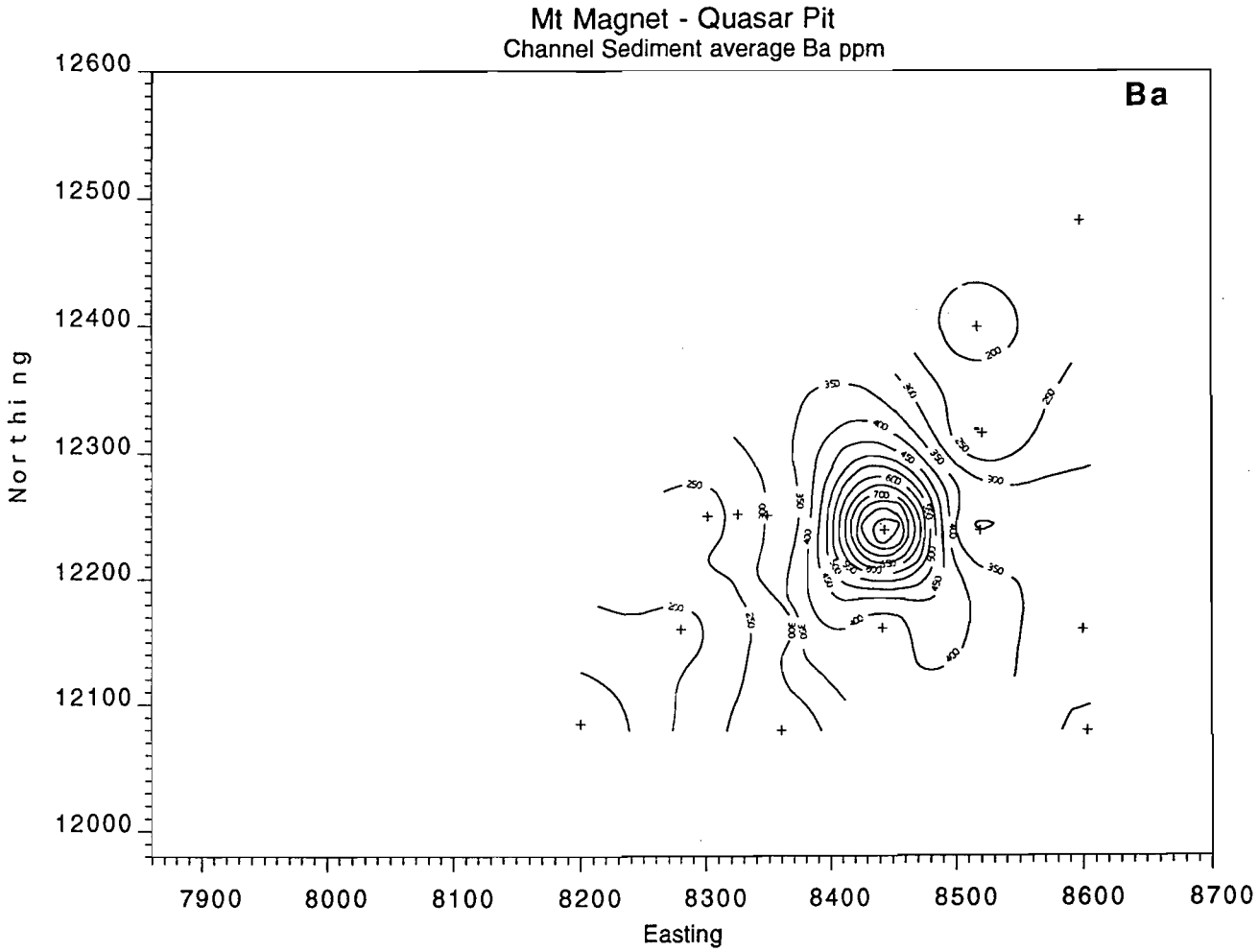
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Ba ppm
Ba
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Northing
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8000
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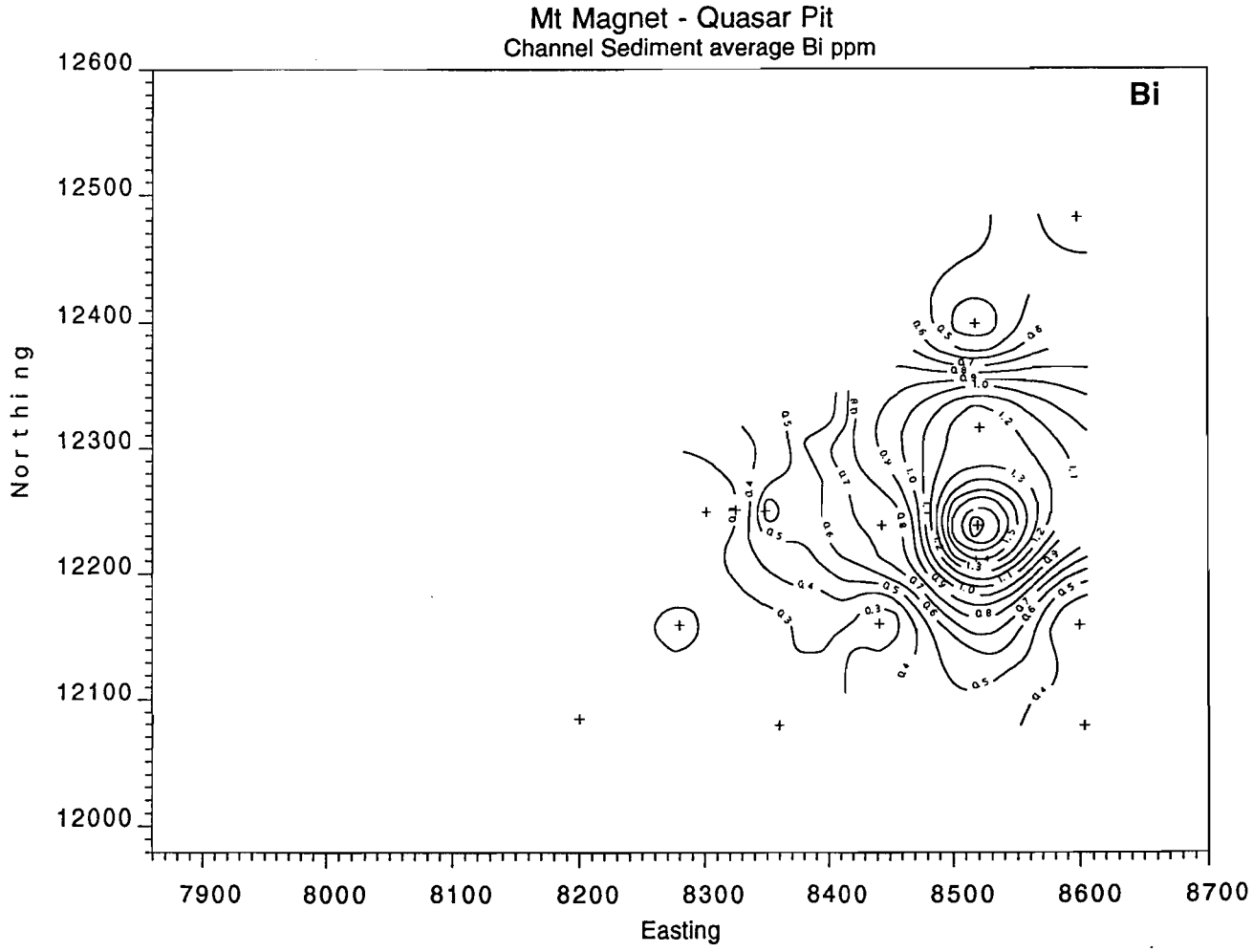
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Bi ppm
Bi
12600
12500
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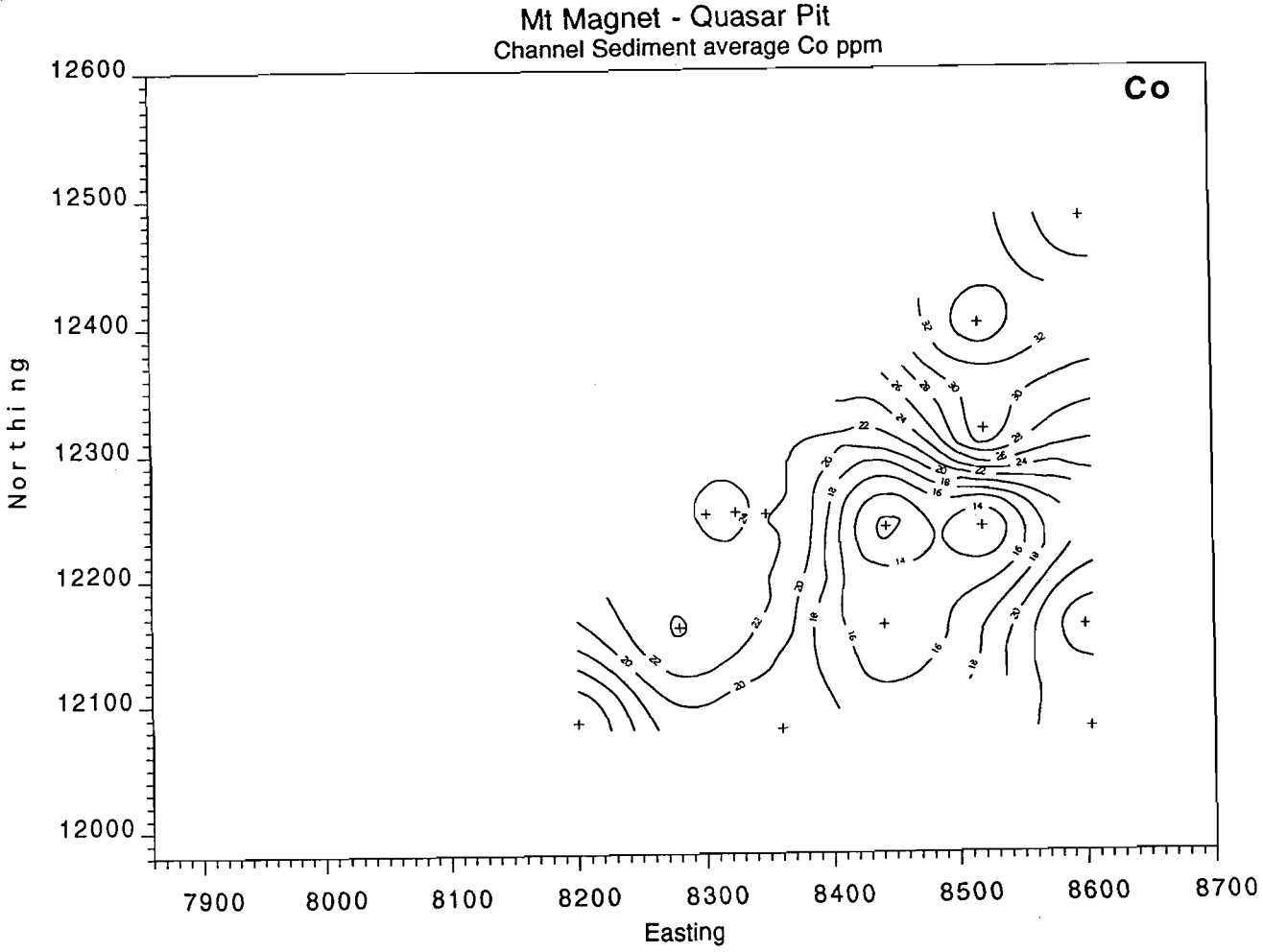
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Co ppm
Co
12600
12500
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Northing
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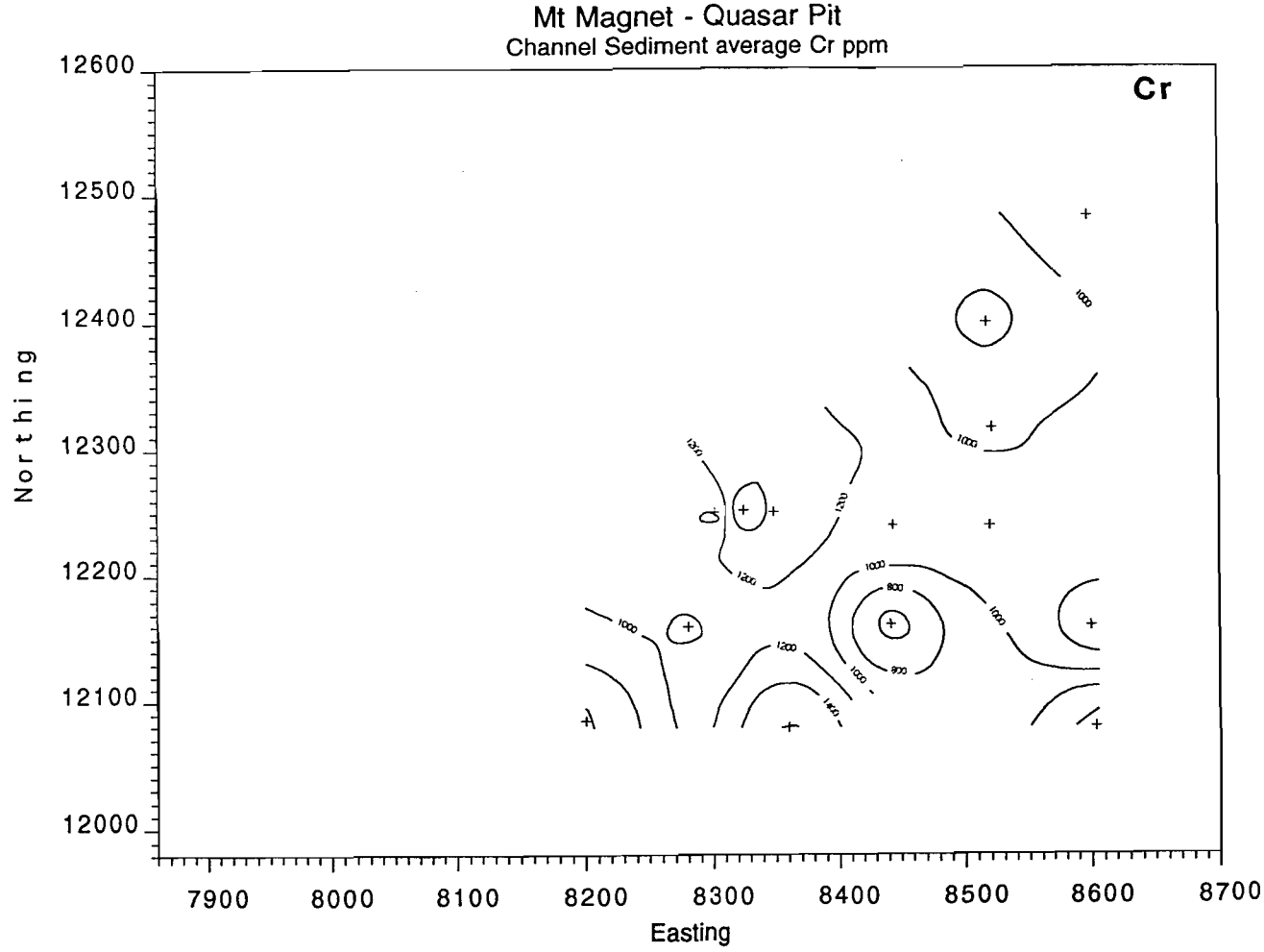
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Cr ppm
Cr
12600
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Northing
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8000
8100
8200
8300
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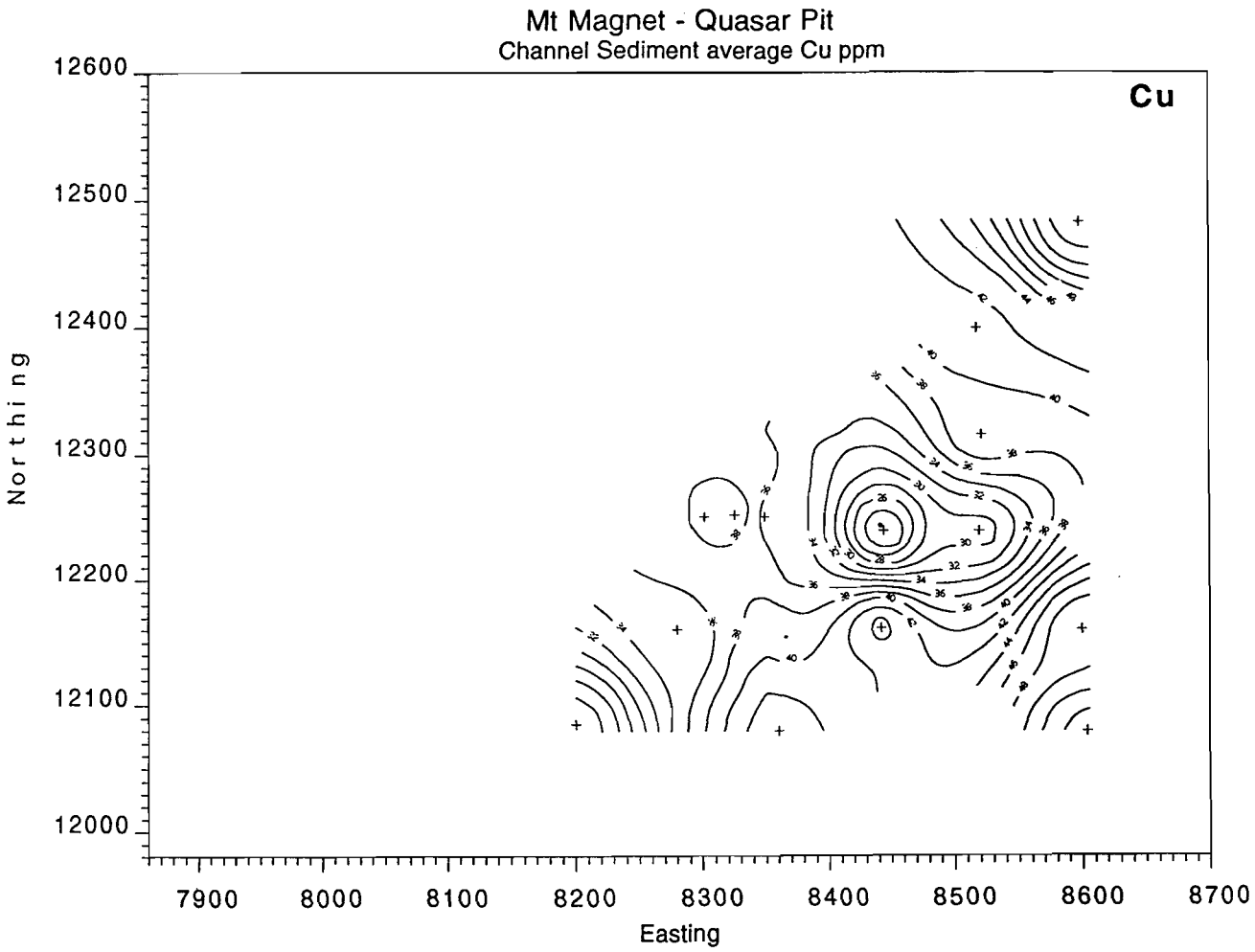
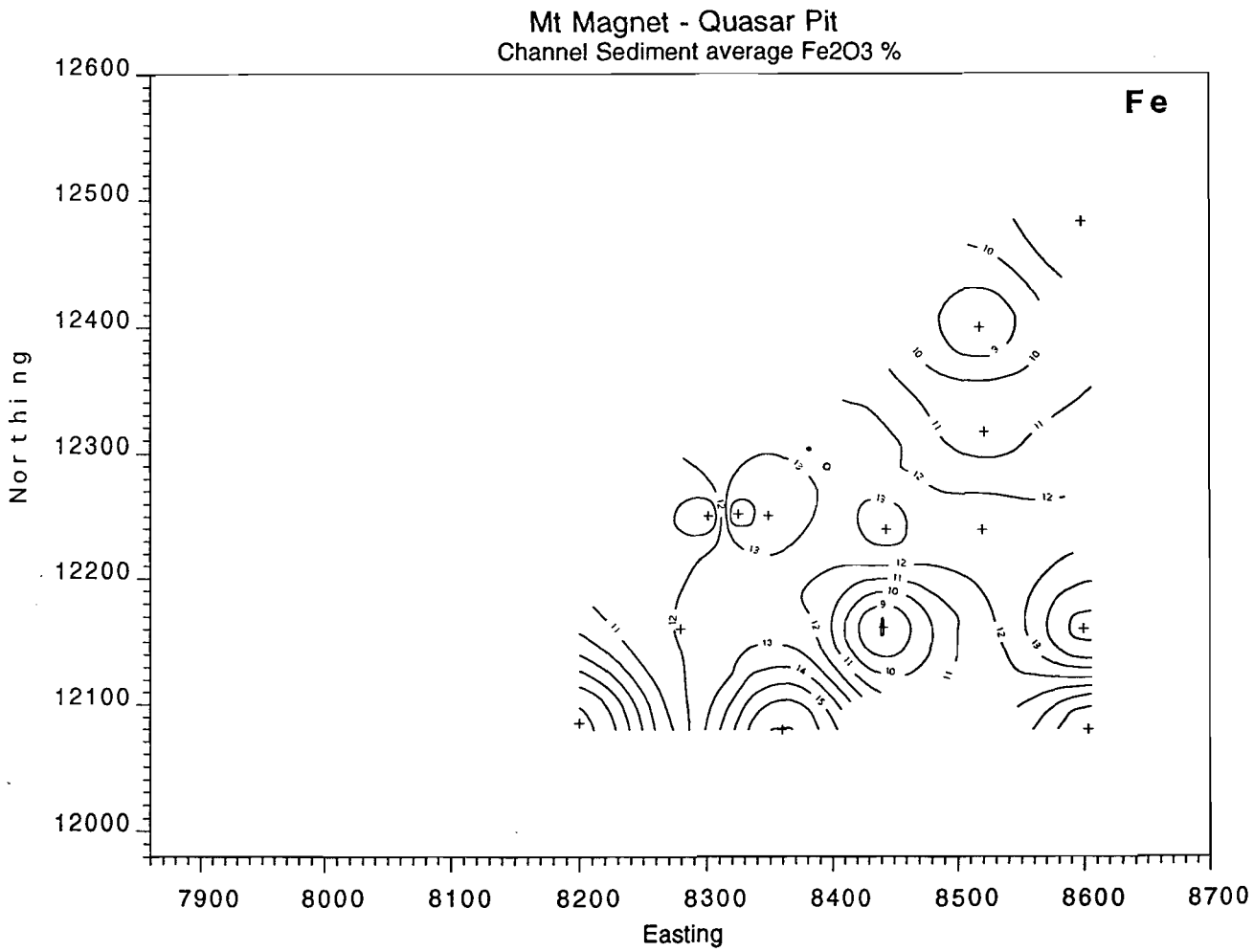
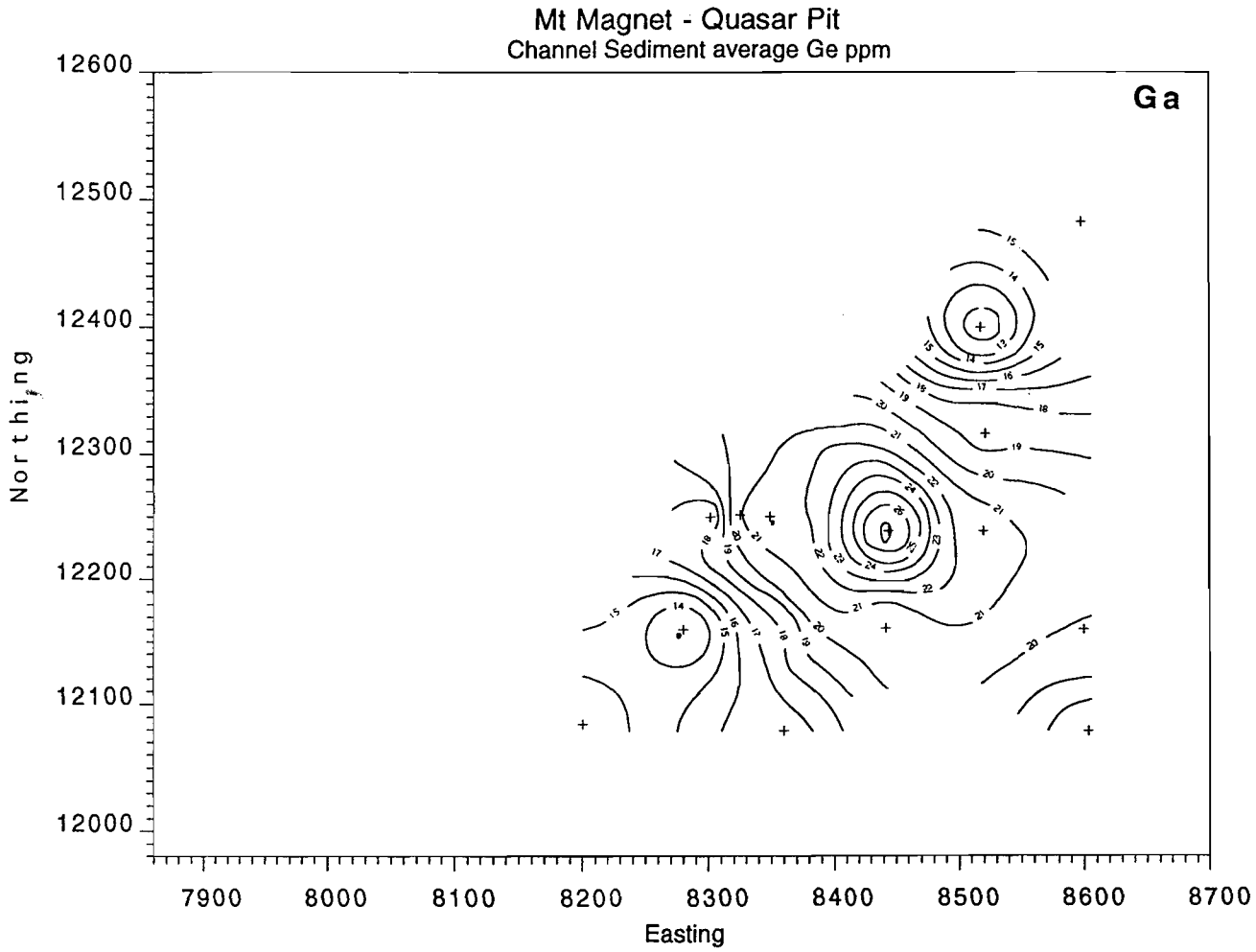
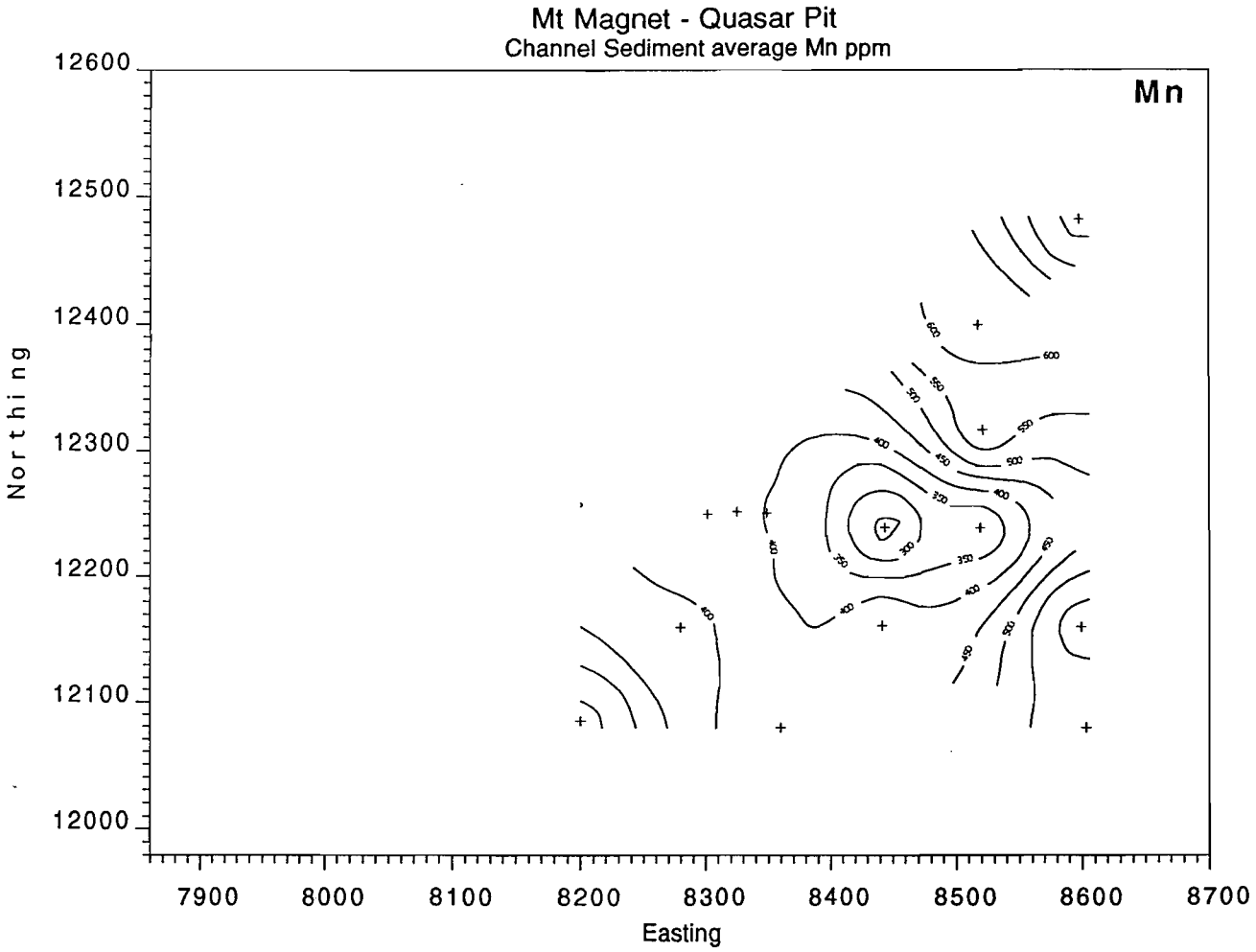
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Cu ppm
Cu
12600
12500
12400
12300
12200
12100
12000
Northing
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Fe2O3 %
Fe
12600
12500
12400
12300
12200
12100
12000
Northing
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Ge ppm
Ga
12600
12500
12400
12300
12200
12100
12000
Northing
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Mn ppm
Mn
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12500
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12200
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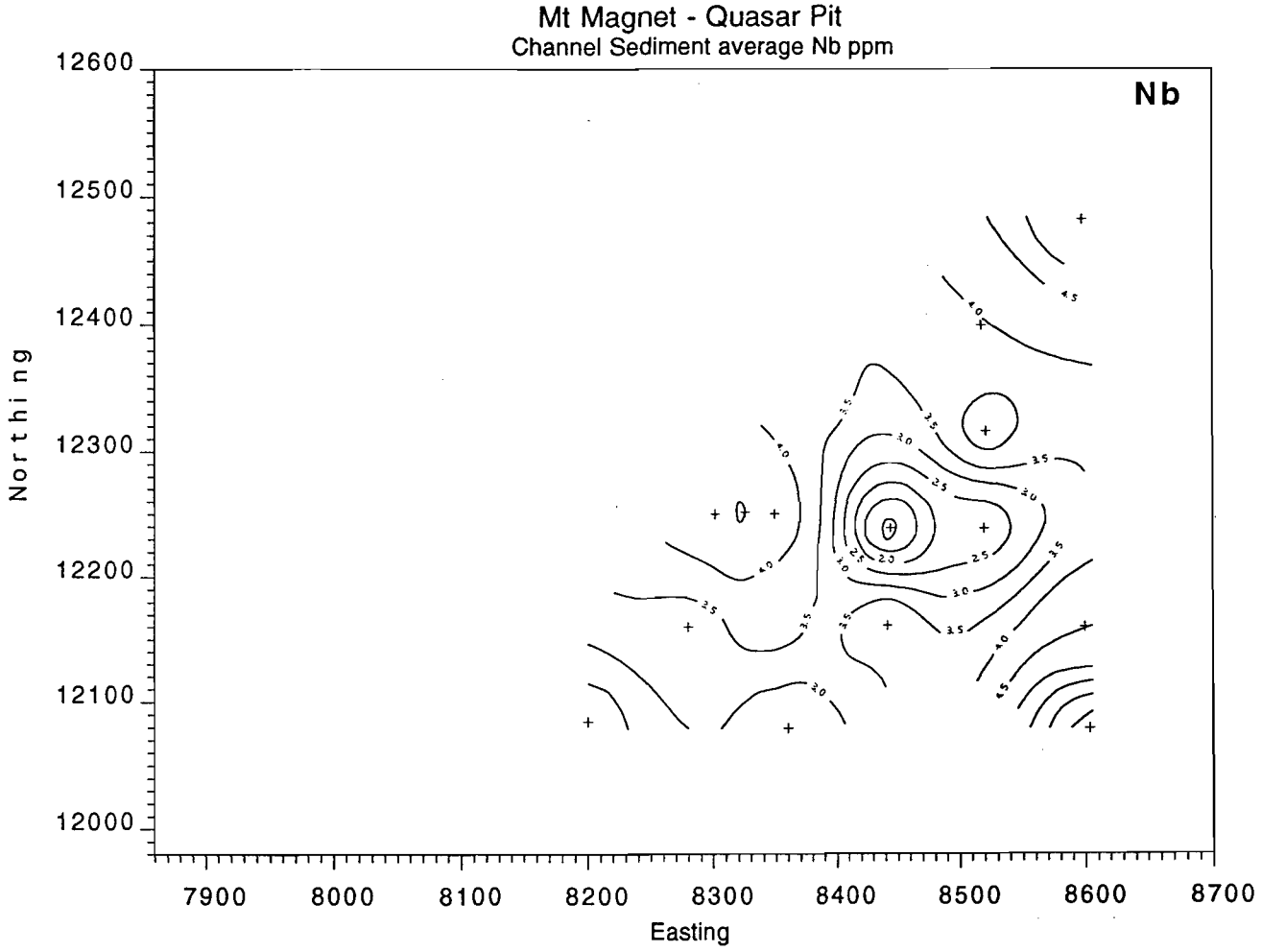
12000
Northing
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Nb ppm
Nb
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12500
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12000
Northing
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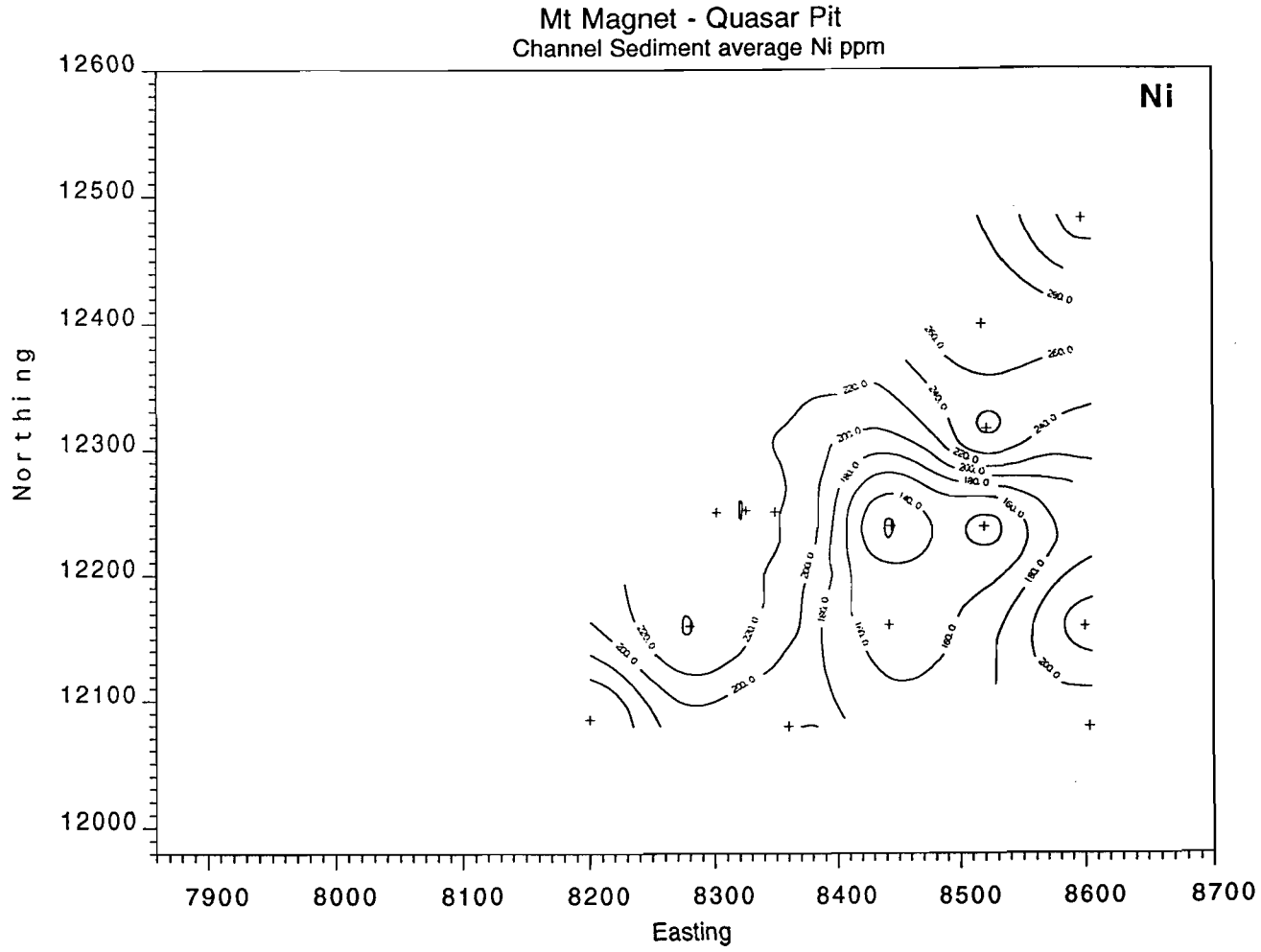
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Ni ppm
Ni
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12500
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12000
Northing
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8000
8100
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8300
8400
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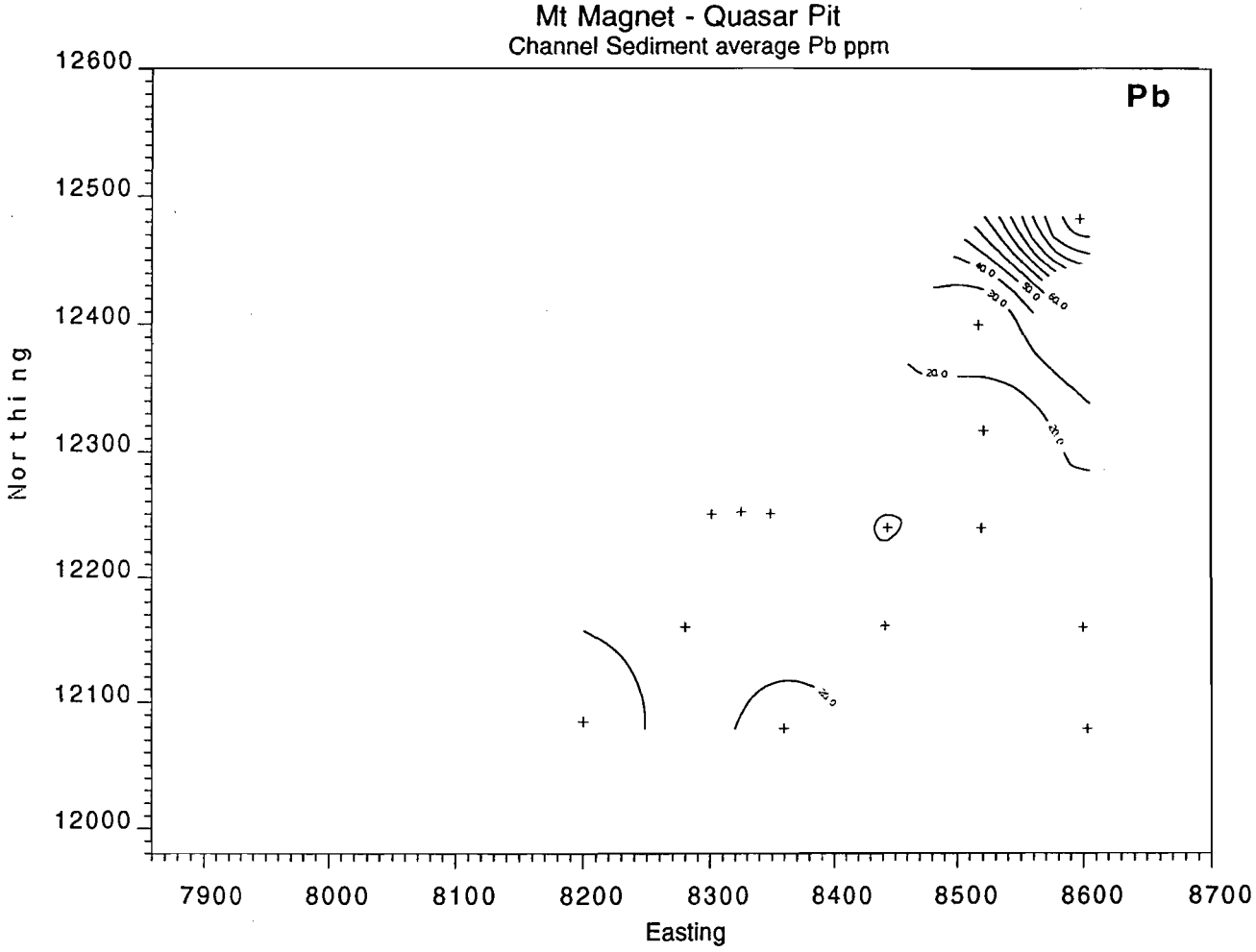
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Pb ppm
Pb
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12500
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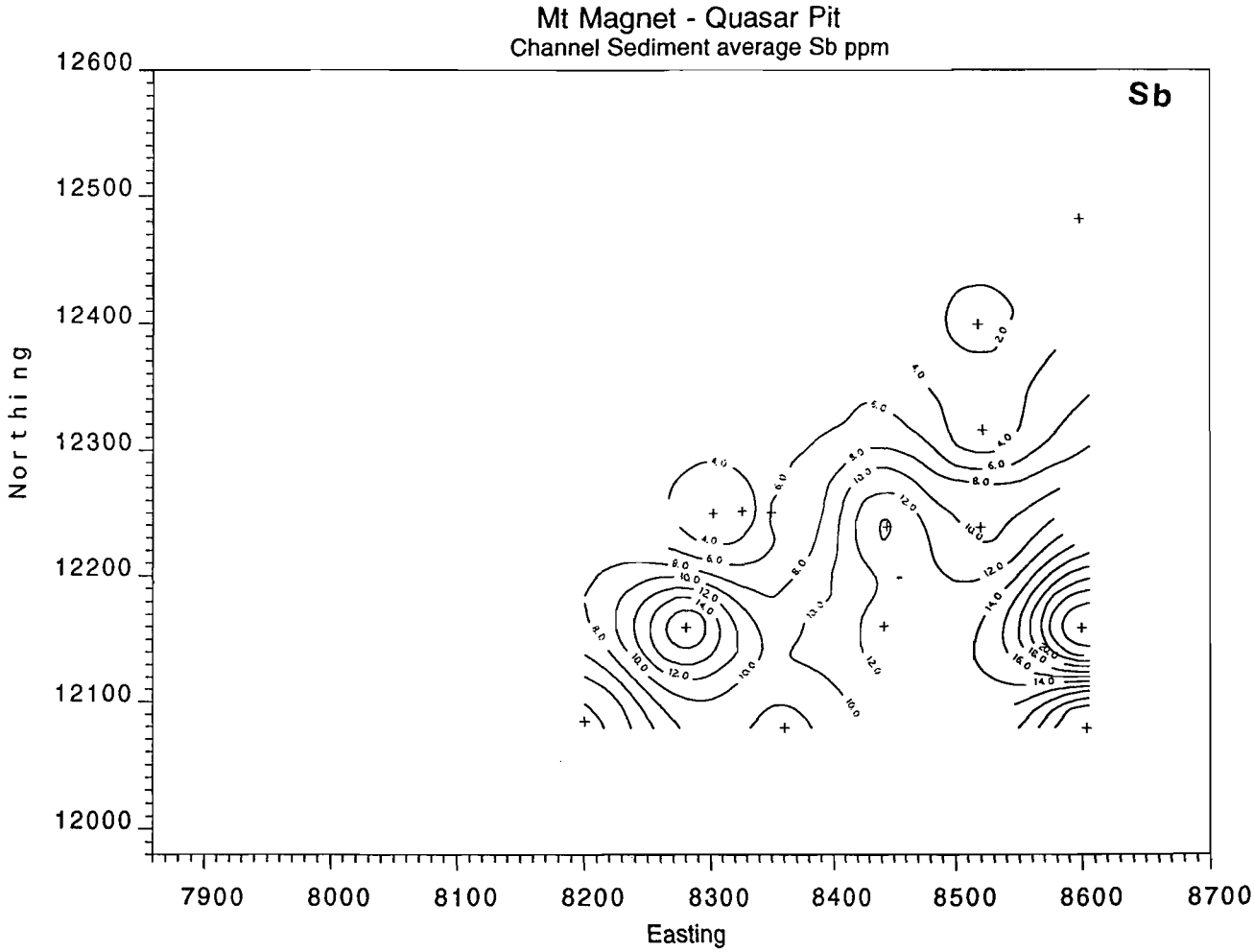
12000
Northing
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Sb ppm
Sb
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12200
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12000
Northing
7900
8000
8100
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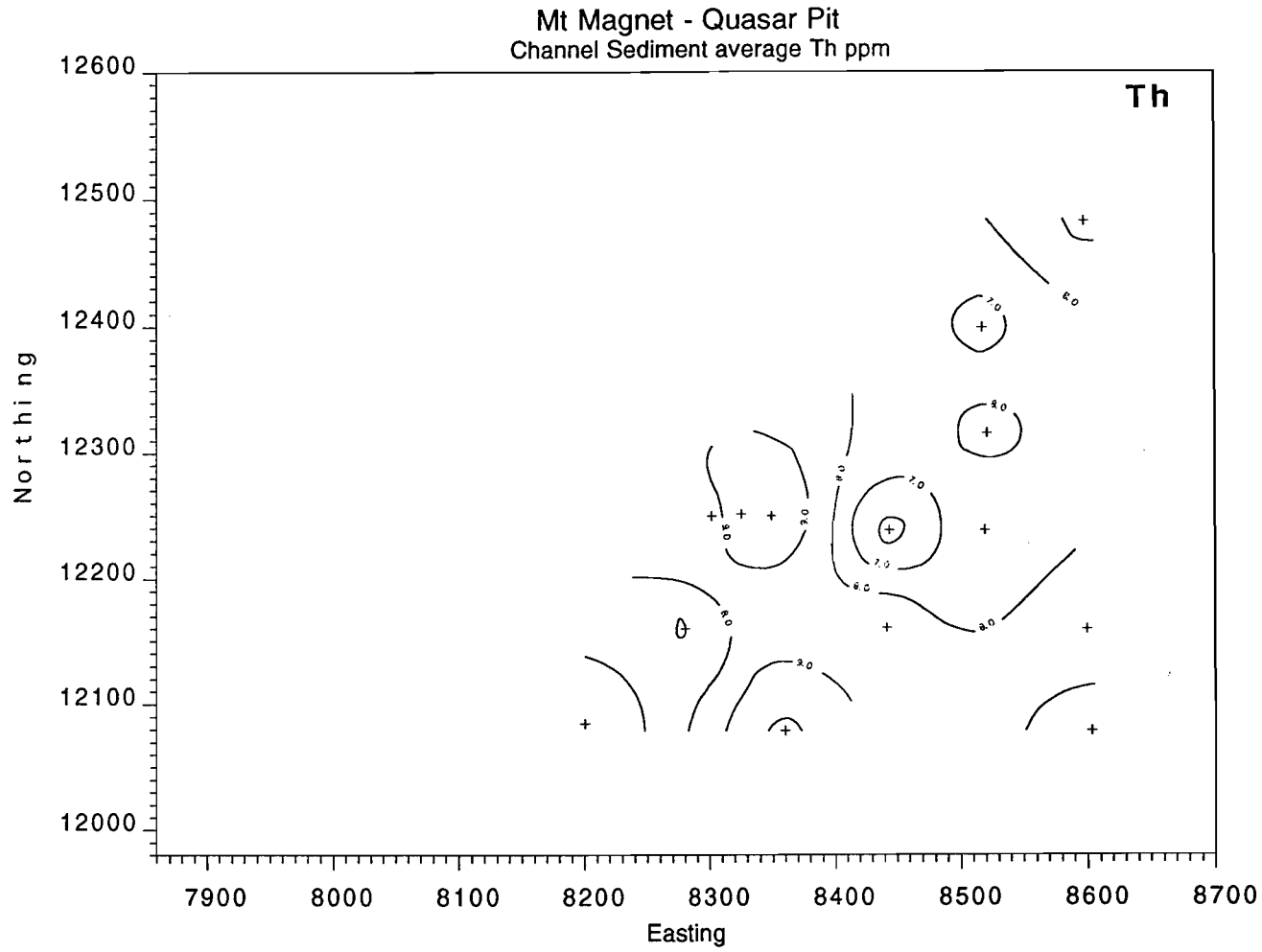
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Th ppm
Th
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12200
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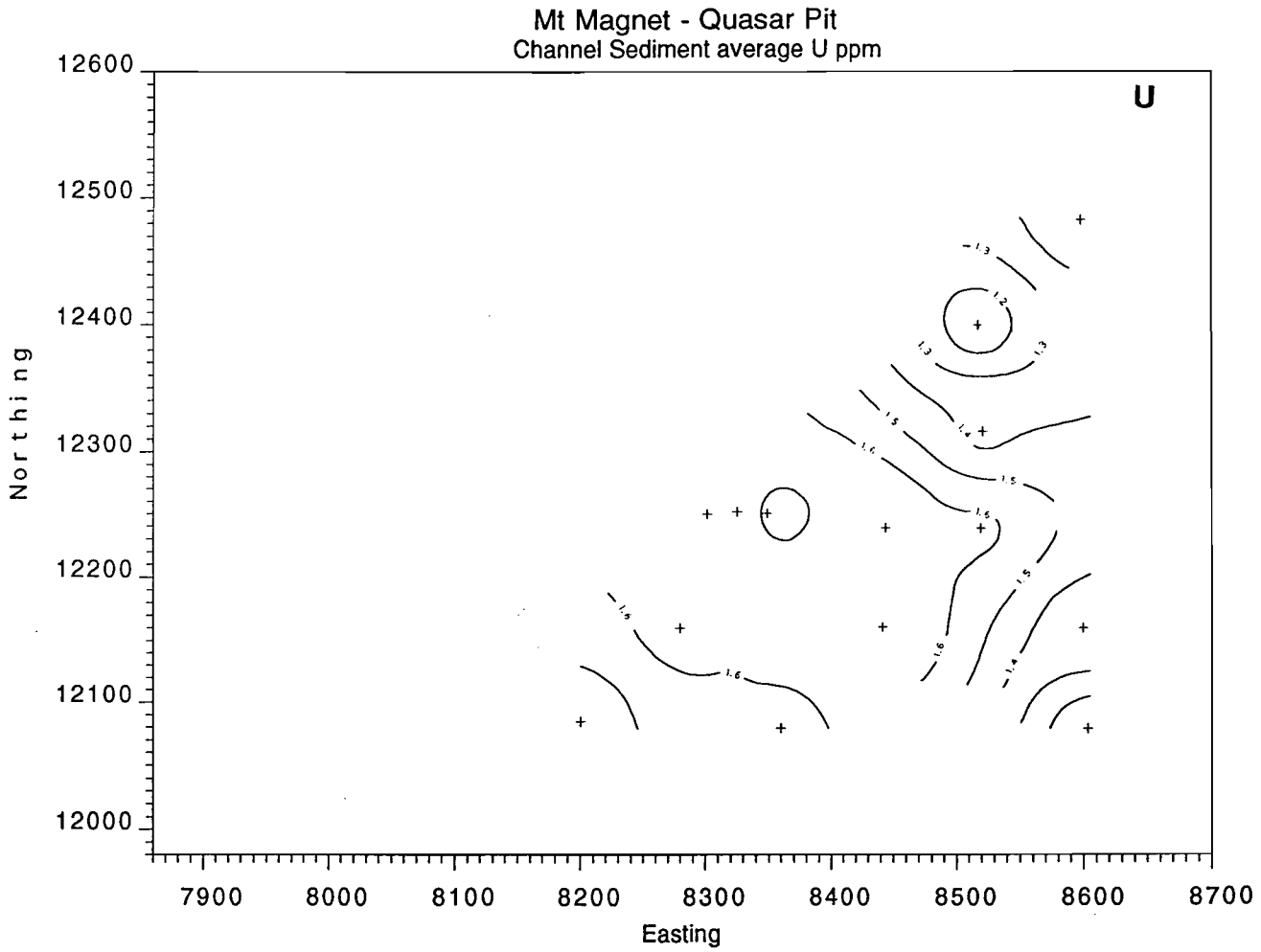
12000
Northing
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average U ppm
U
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12500
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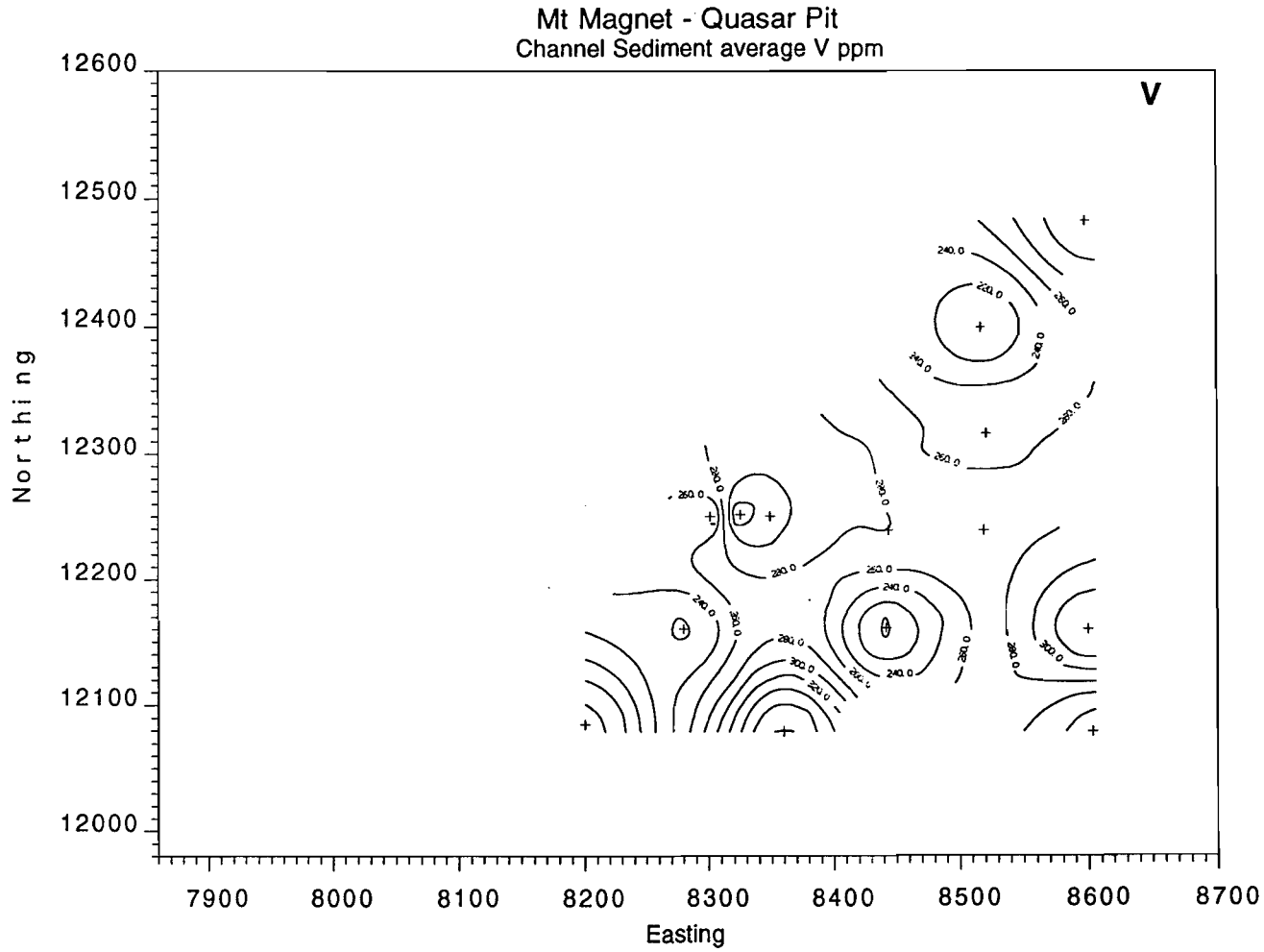
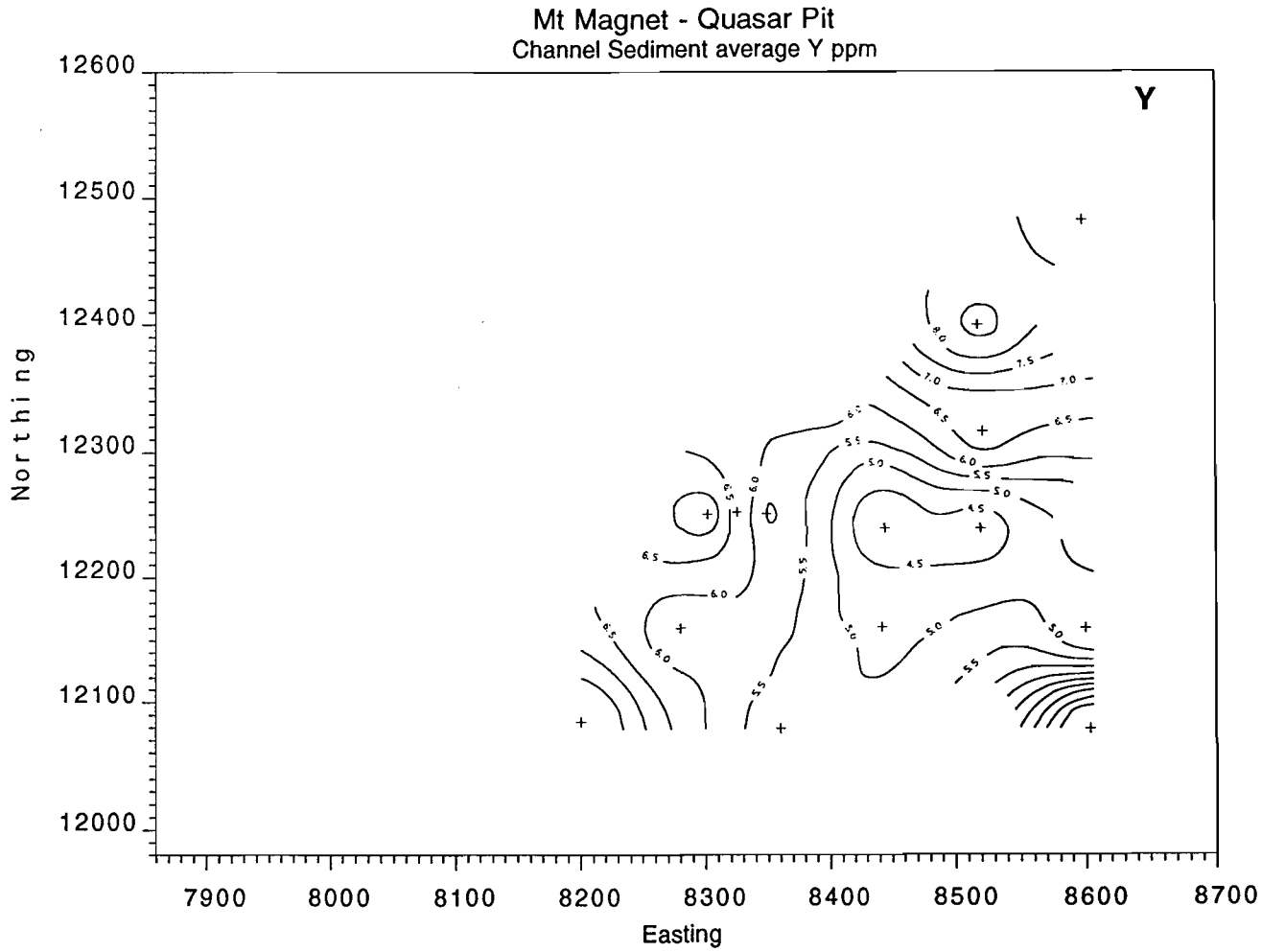
12000
Northing
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average V ppm
V
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting


Mt Magnet - Quasar Pit
Channel Sediment average Y ppm
Y
Northing
12600
12500
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12300
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12100
12000
7900
8000
8100
8200
8300
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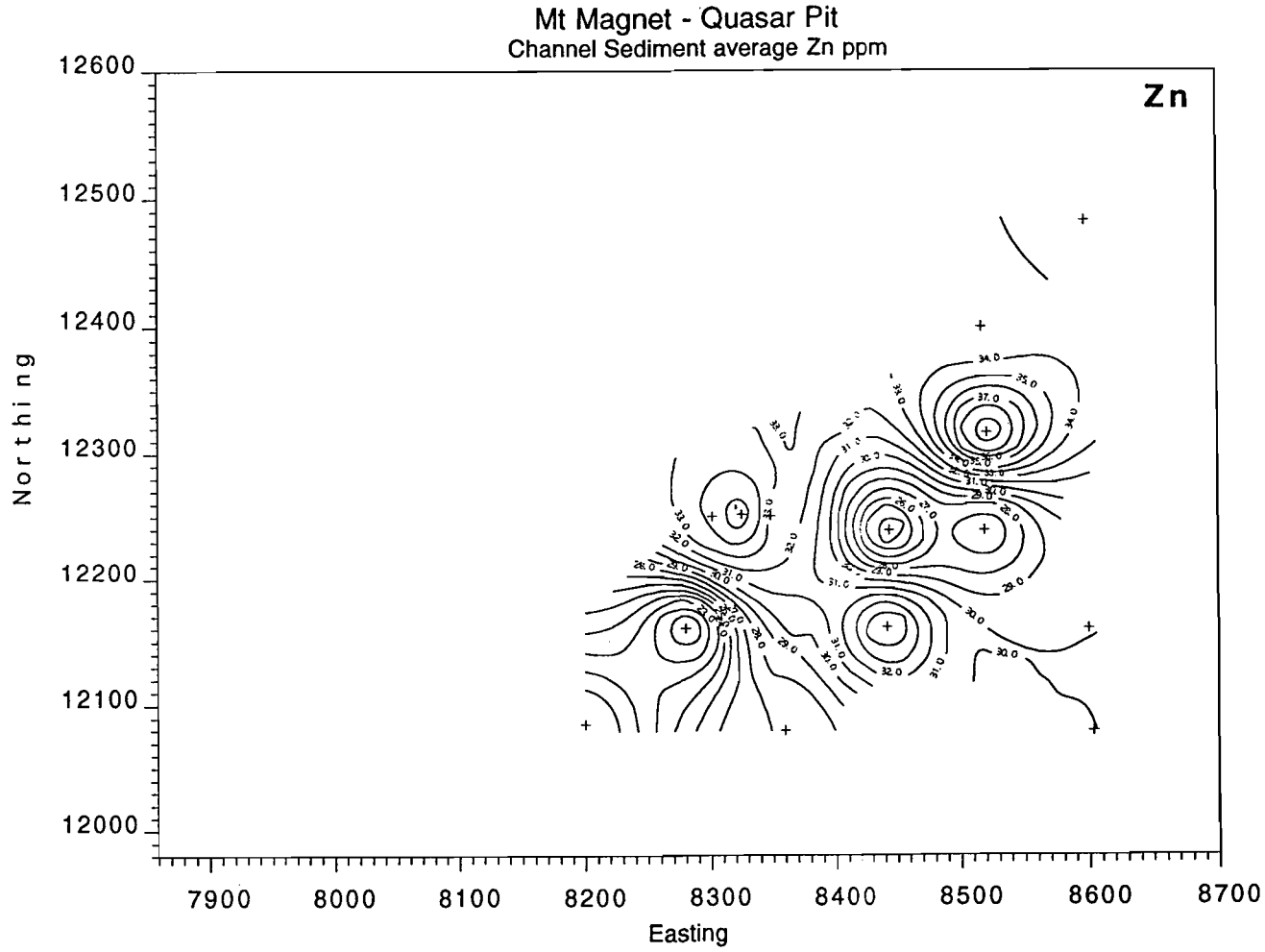
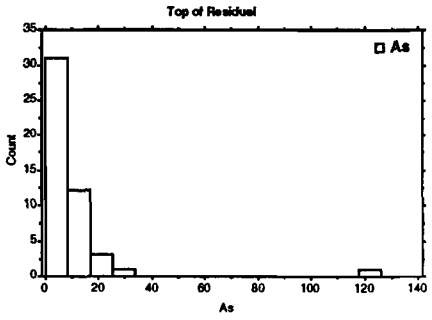
8500
8600
8700
Easting

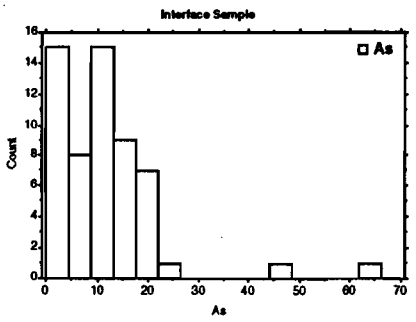

Mt Magnet - Quasar Pit
Channel Sediment average Zn ppm
Zn
Northing
12600
12500
12400
12300
12200
12100
12000
7900
8000
8100
8200
8300
8400
8500
8600
8700
Easting

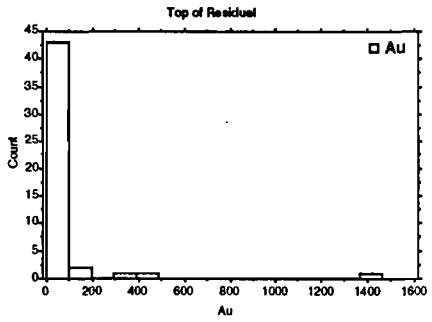
APPENDIX Q9

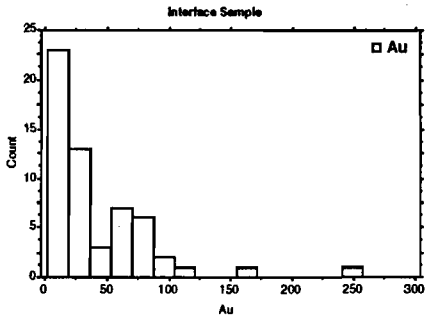
COMPARATIVE FREQUENCY DISTRIBUTION HISTOGRAMS TOP OF RESIDUAL PROFILE AND INTERFACE SAMPLING

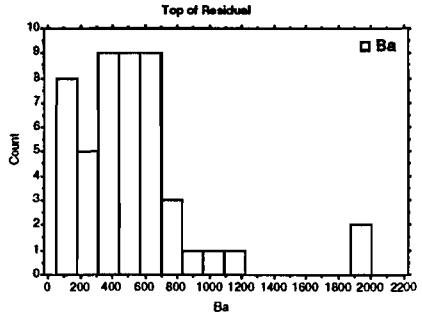
refer to Appendix Q1 for data
Top of Residual Profile n=48
Interface n=57

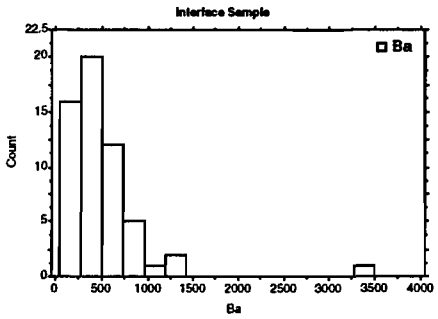

Top of Residual
As
Count
As

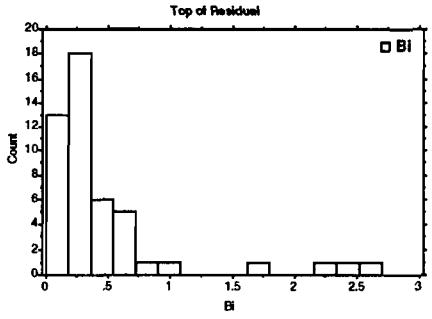

Interface Sample
As
Count
As

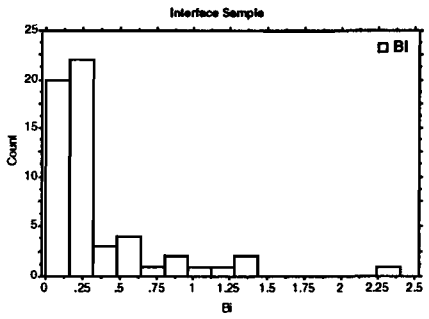

Top of Residual
Au
Count
Au

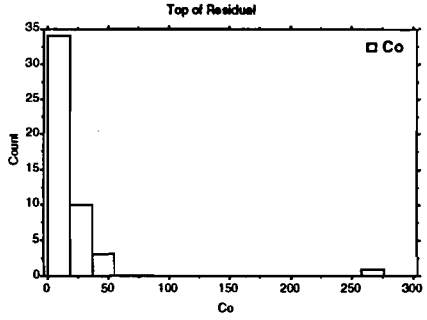

Interface Sample
Au
Count
Au


Top of Residual
Ba
Count
Ba


Interface Sample
Ba
Count
Ba


Top of Residual
Bi
Count
Bi


Interface Sample
Bi
Count
Bi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Co
Count
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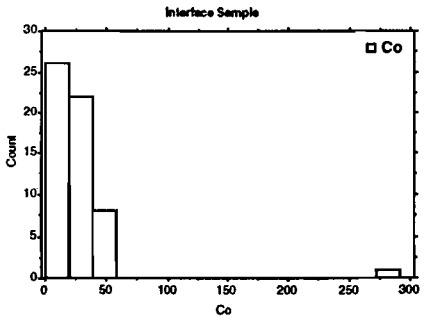
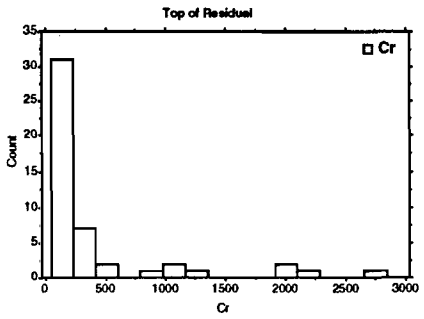

Interface Sample
Co
Count
Co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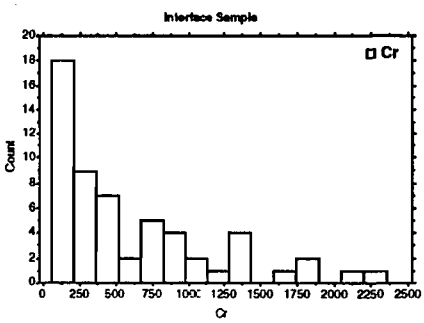
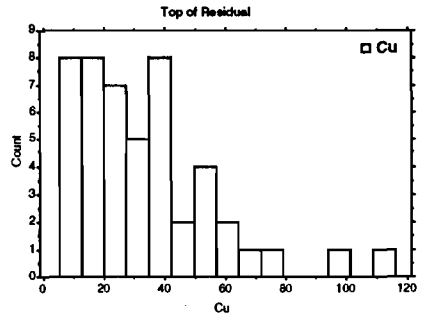
Cr
Count
Cr


Interface Sample
Cr
Count
Cr


Top of Residual
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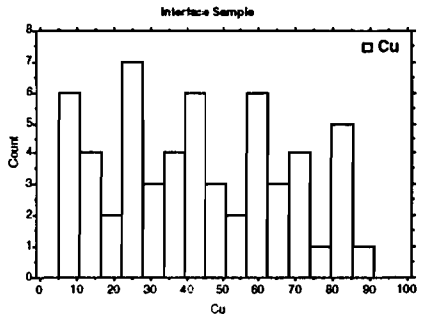
Count
Cu


Interface Sample
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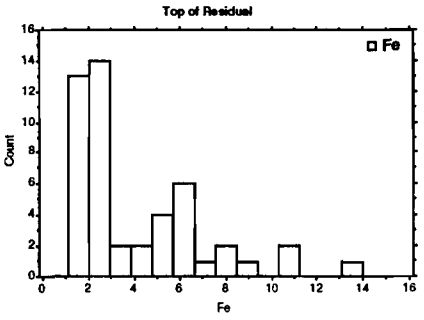
Count
Cu


Top of Residual
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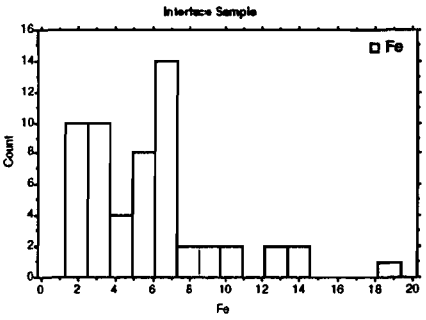
Count
Fe


Interface Sample
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Count
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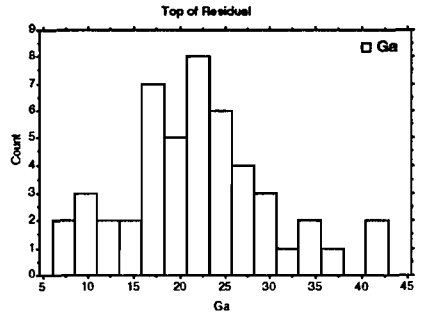
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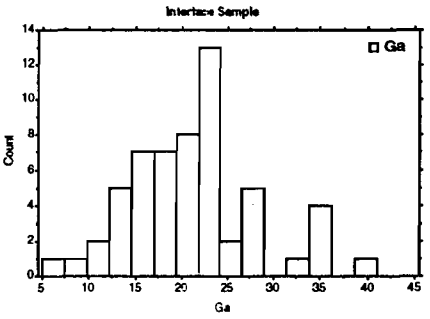
Ga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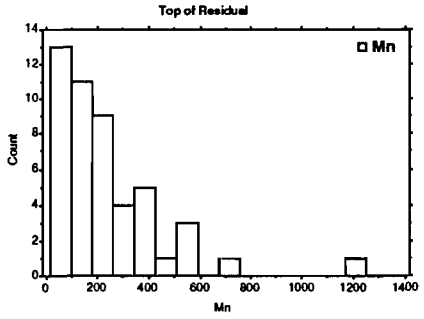
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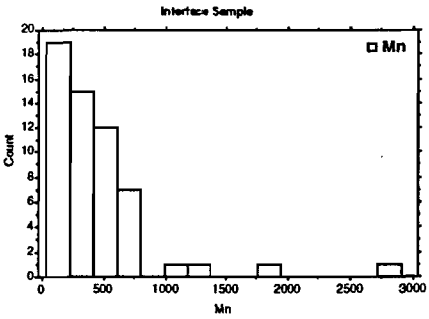
Mn


Interface Sample
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Count
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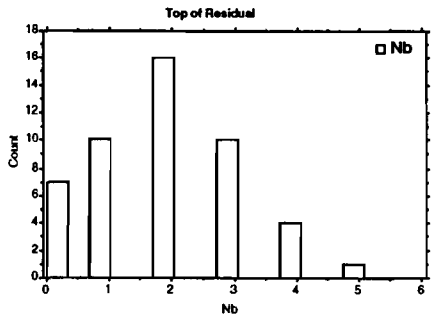
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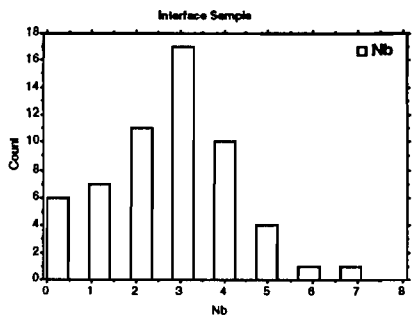
Nb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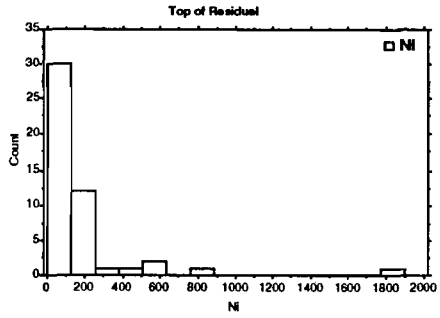
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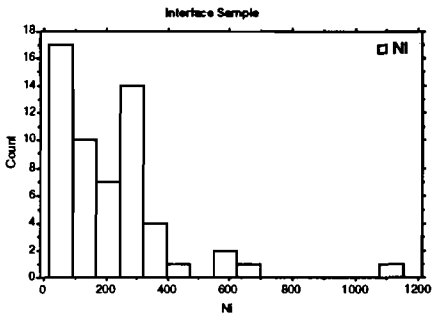
Count
Ni


Interface Sample
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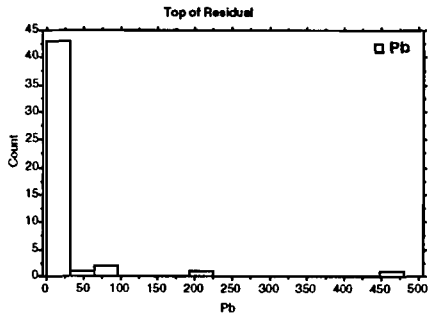
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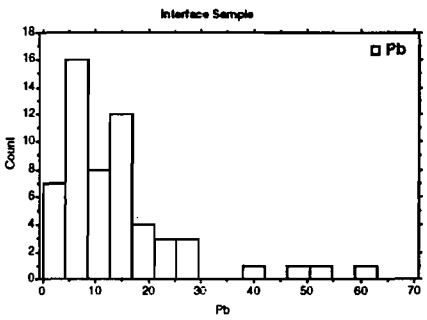
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Count
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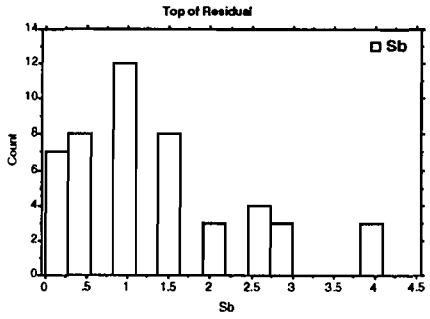
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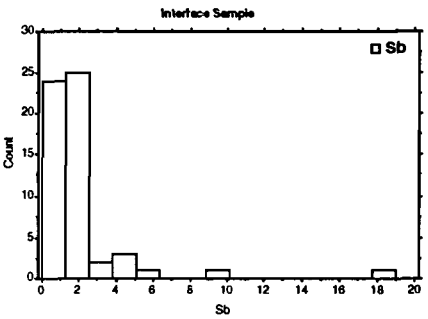
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Count
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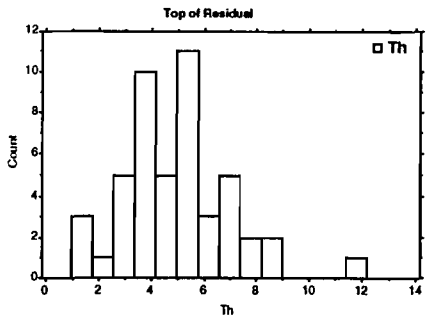
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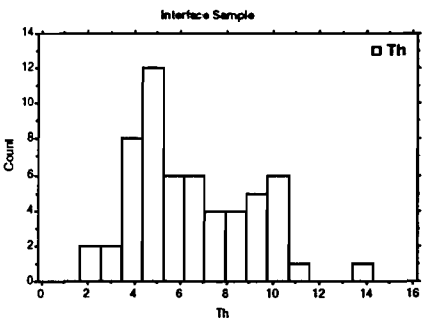
Count
Th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Count
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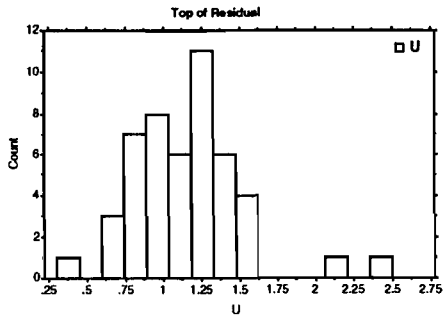
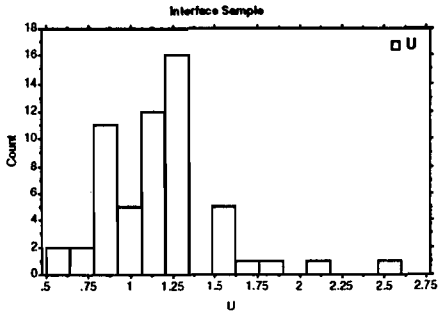

Top of Residual
U
Count
U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Count
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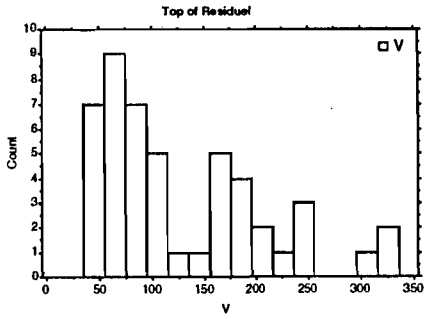
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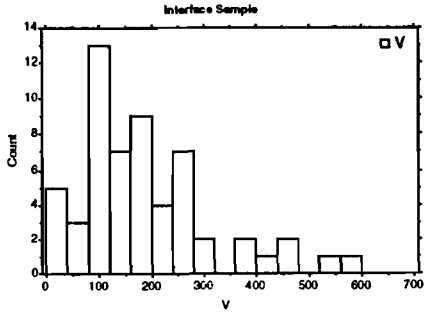
Count
V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Count
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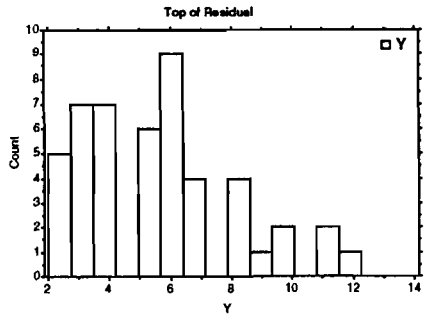
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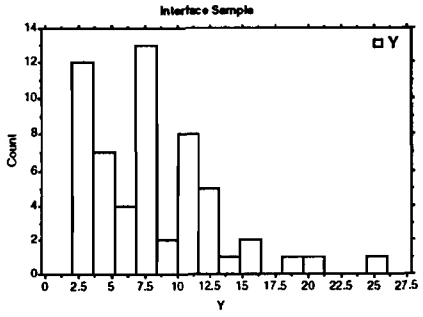
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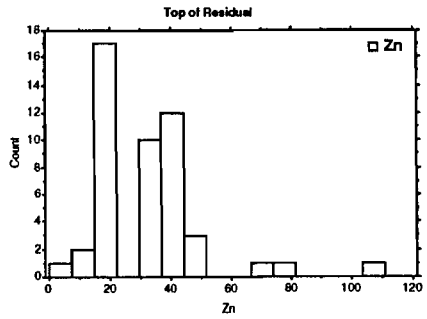
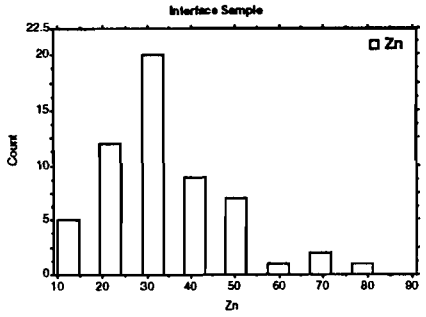
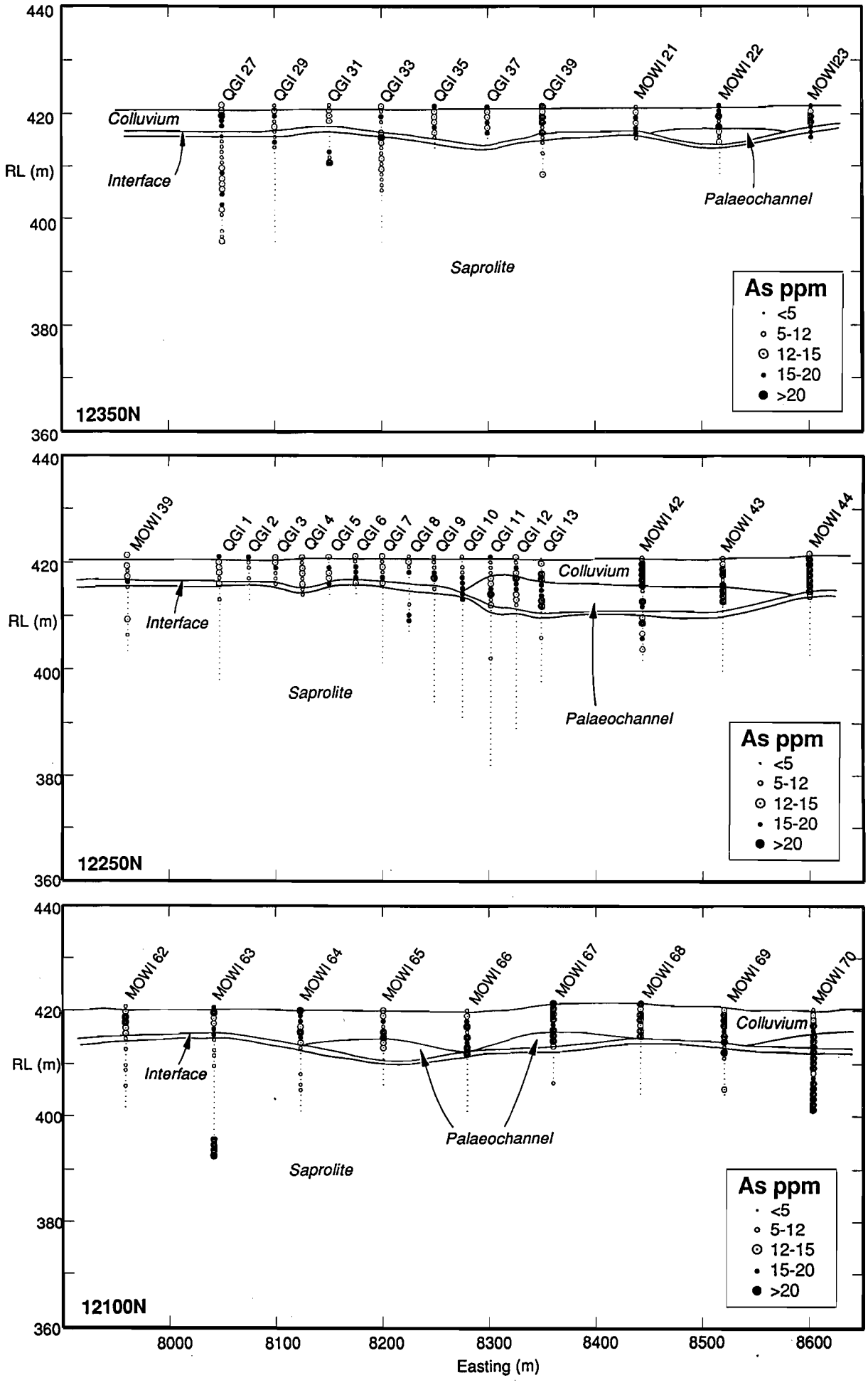

Top of Residual
Zn
Count
Zn

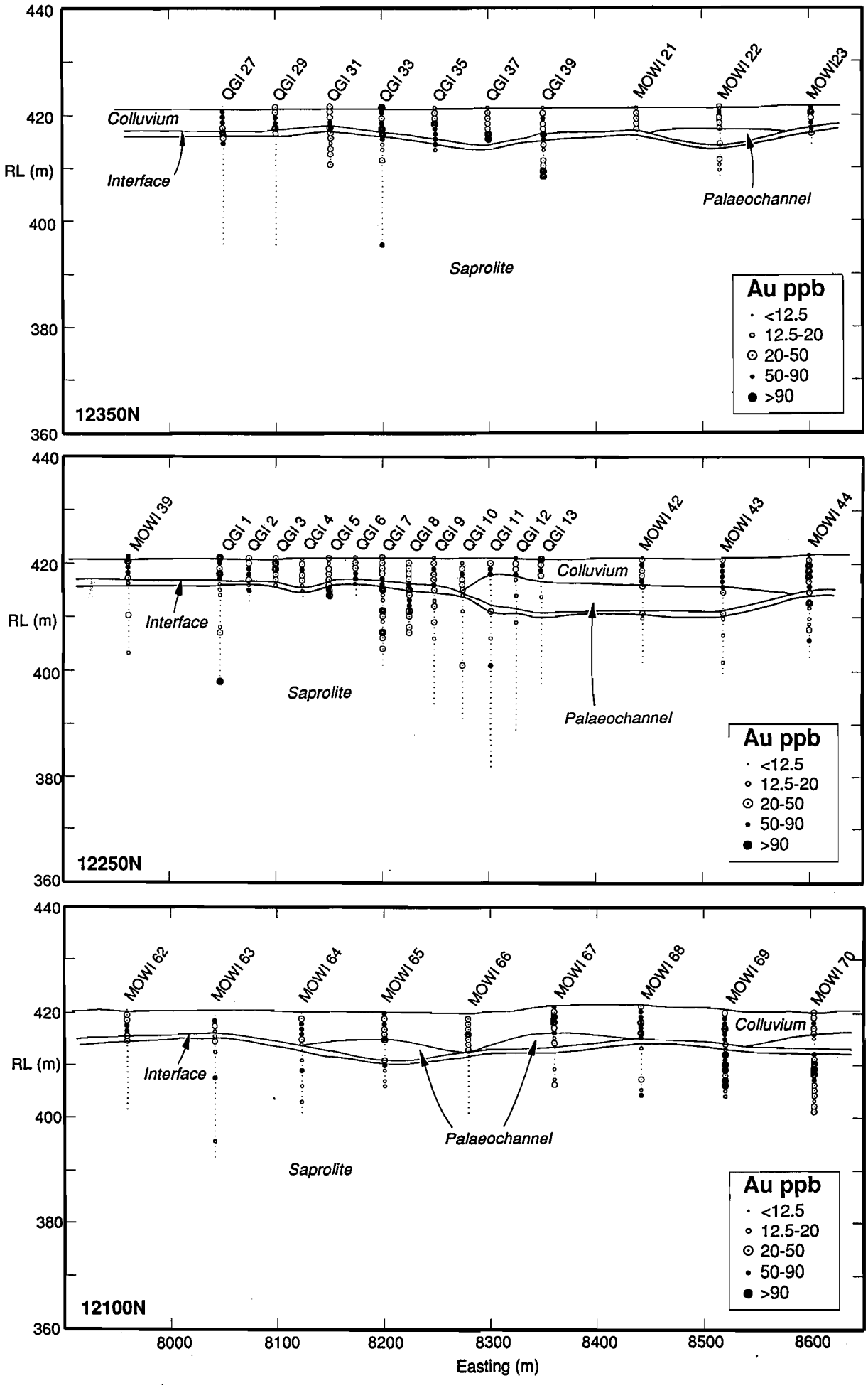

Interface Sample
Zn
Count
Zn

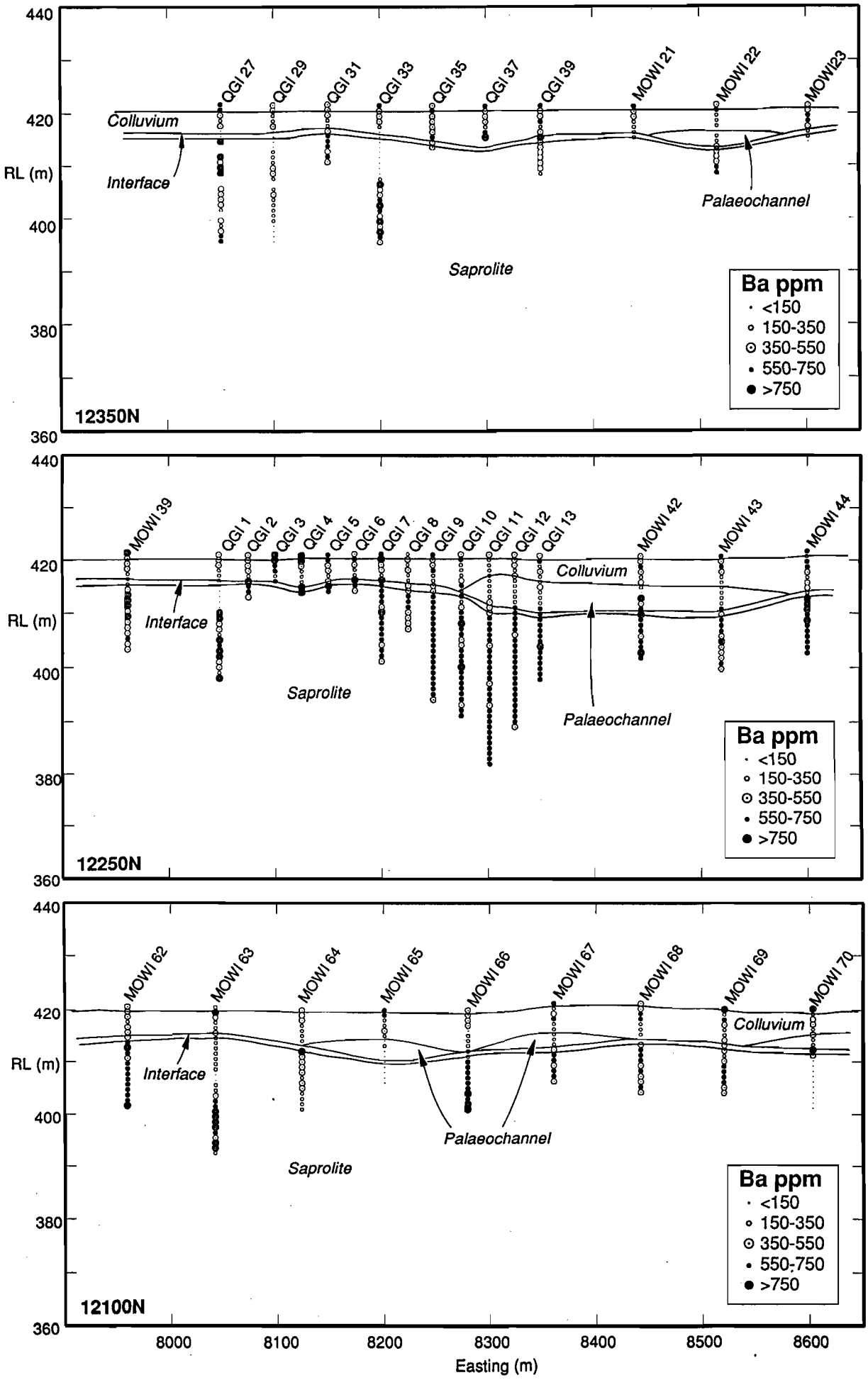
APPENDIX Q10

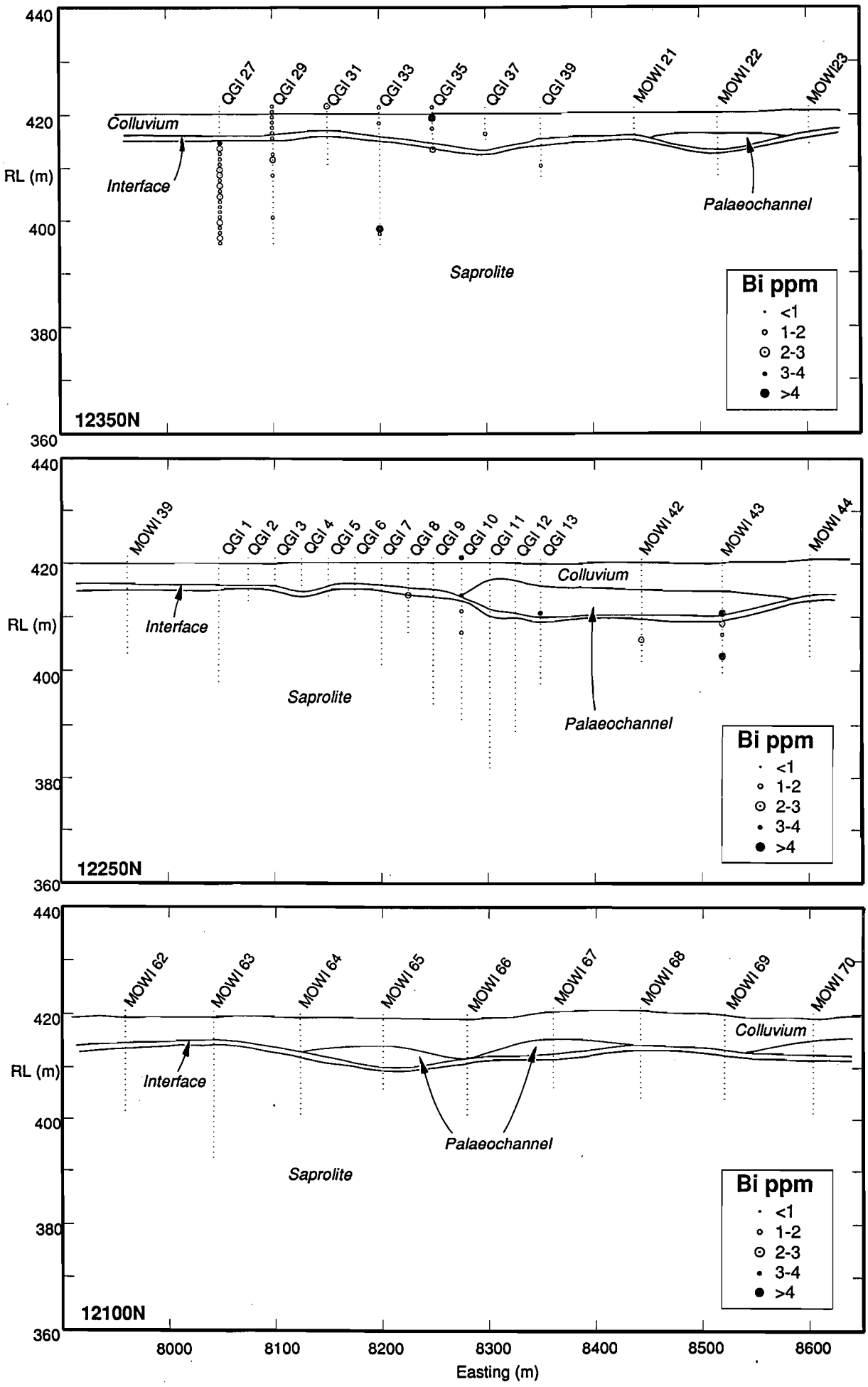
DISPERSION IN SECTION 12100 mN, 12250 mN AND 12350 mN

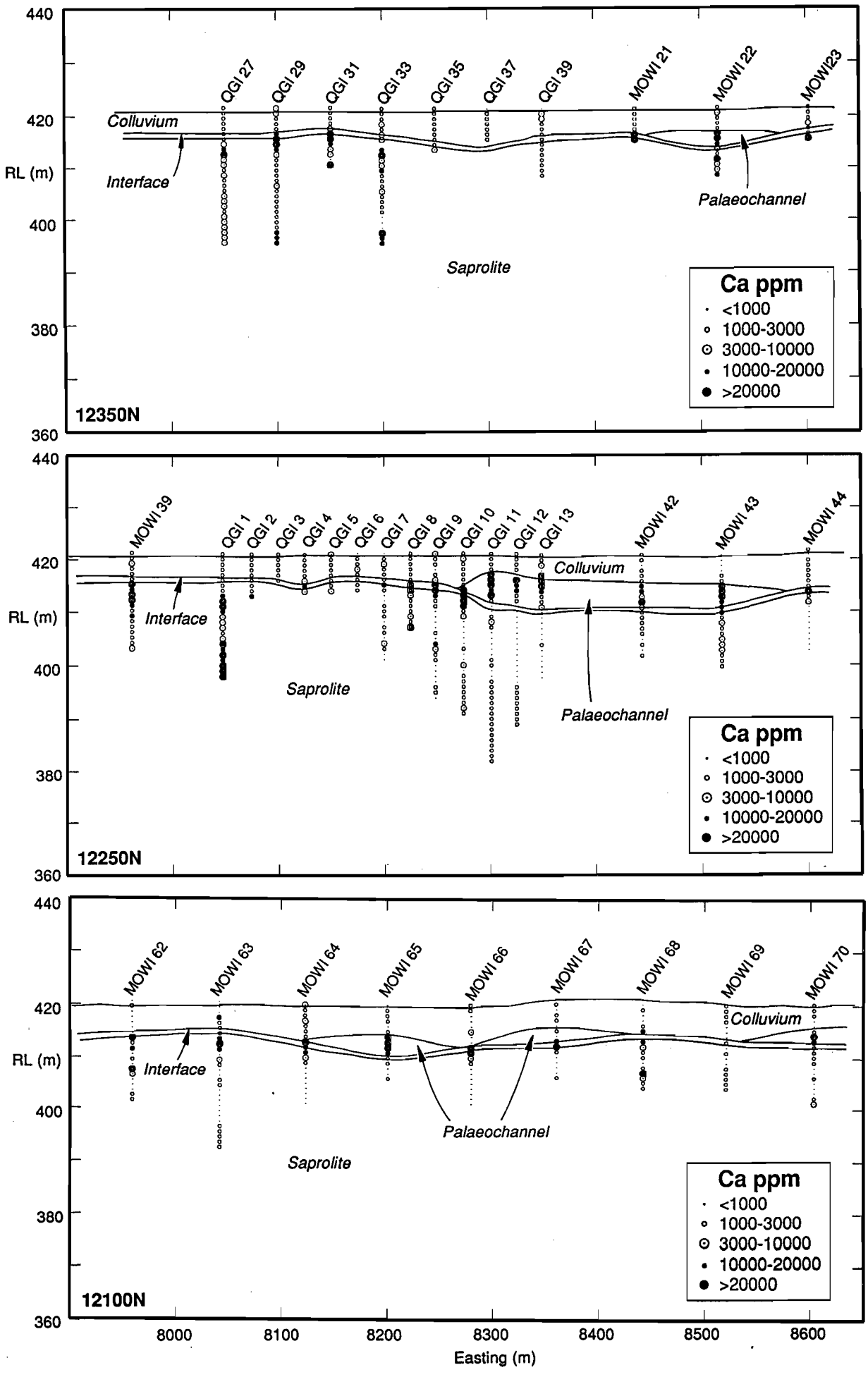
refer to Appendix Q1 for data

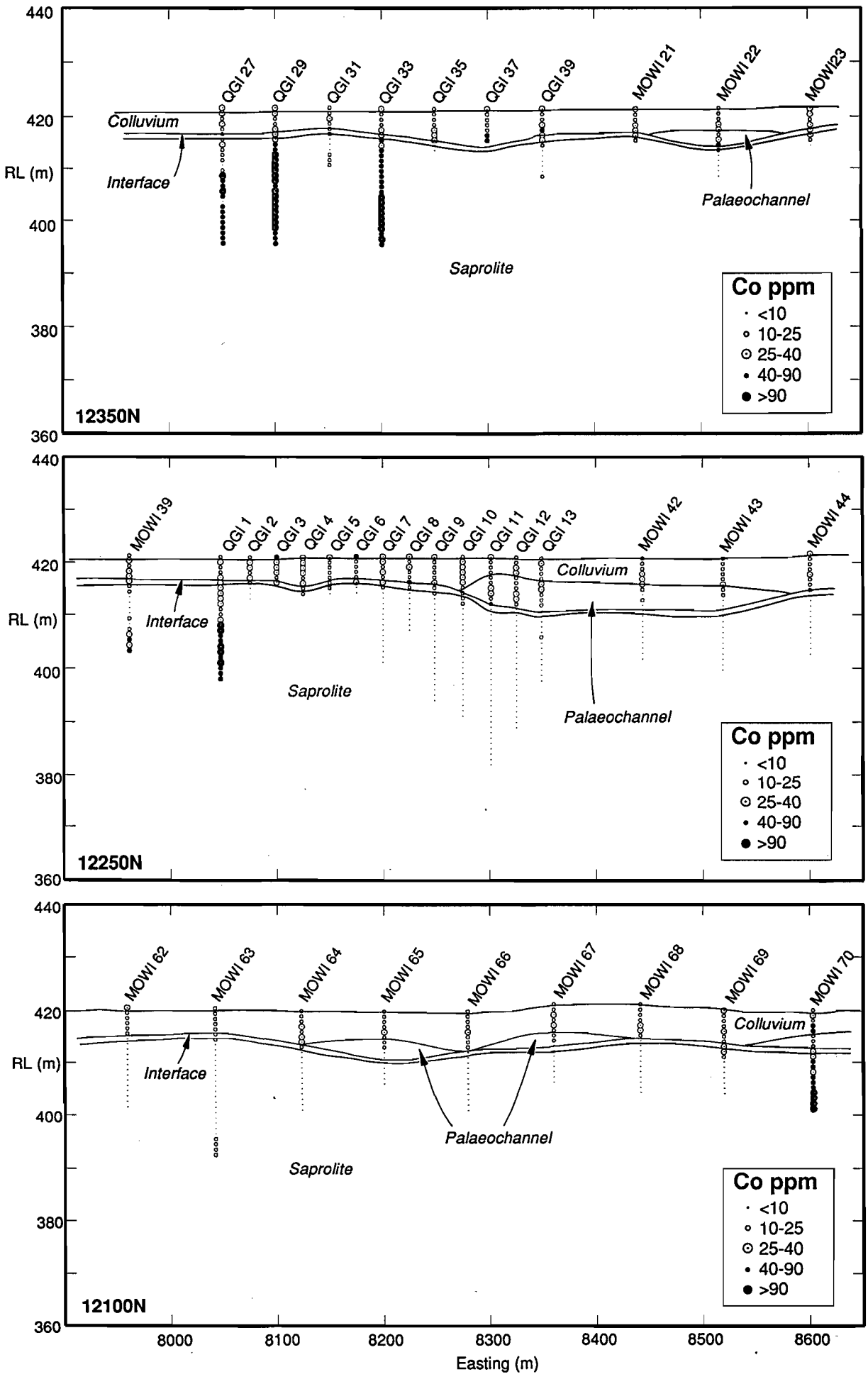

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
As ppm
<5
5-12
12-15
15-20
>20
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

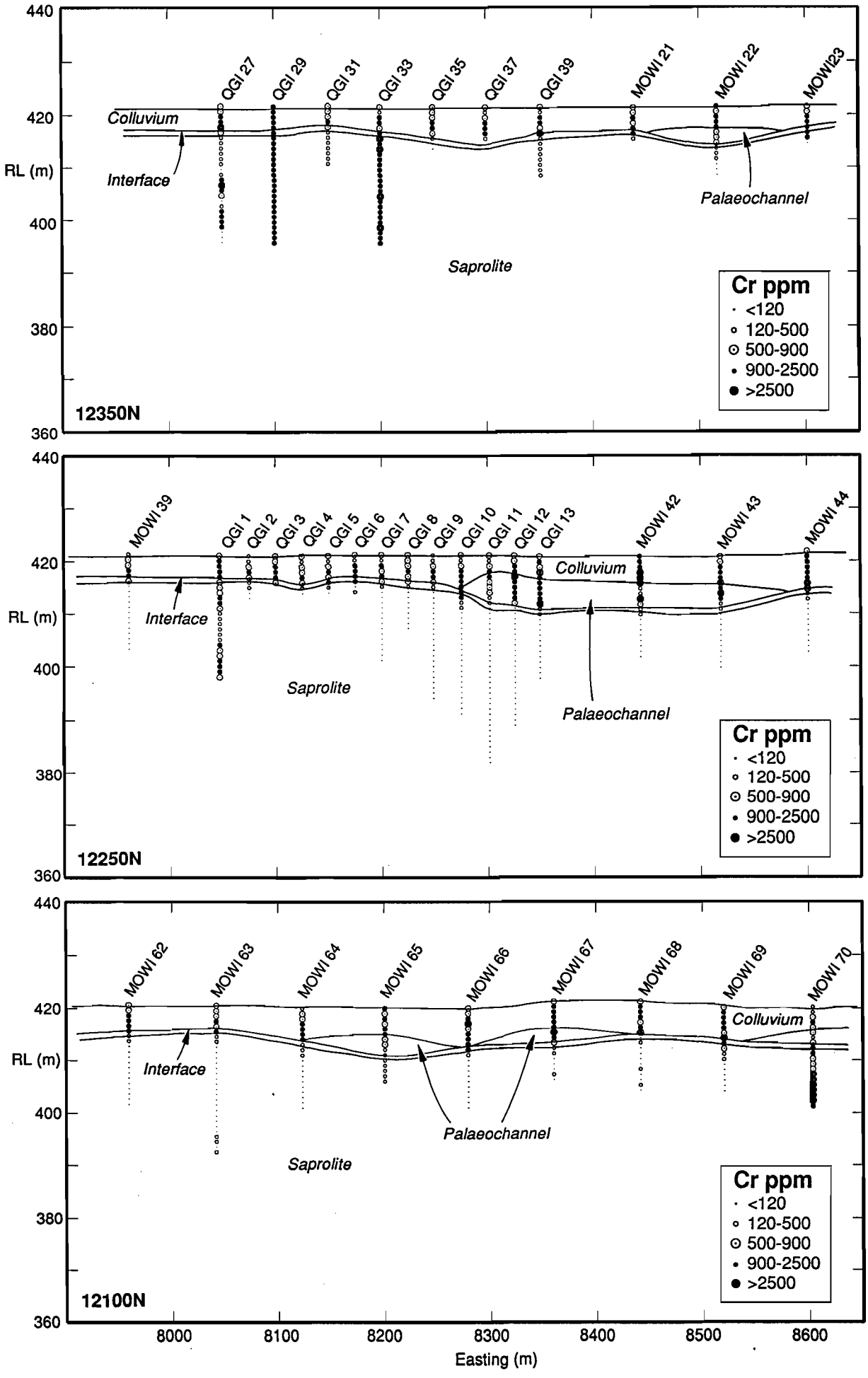

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Au ppb
<12.5
12.5-20
20-50
50-90
>90
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

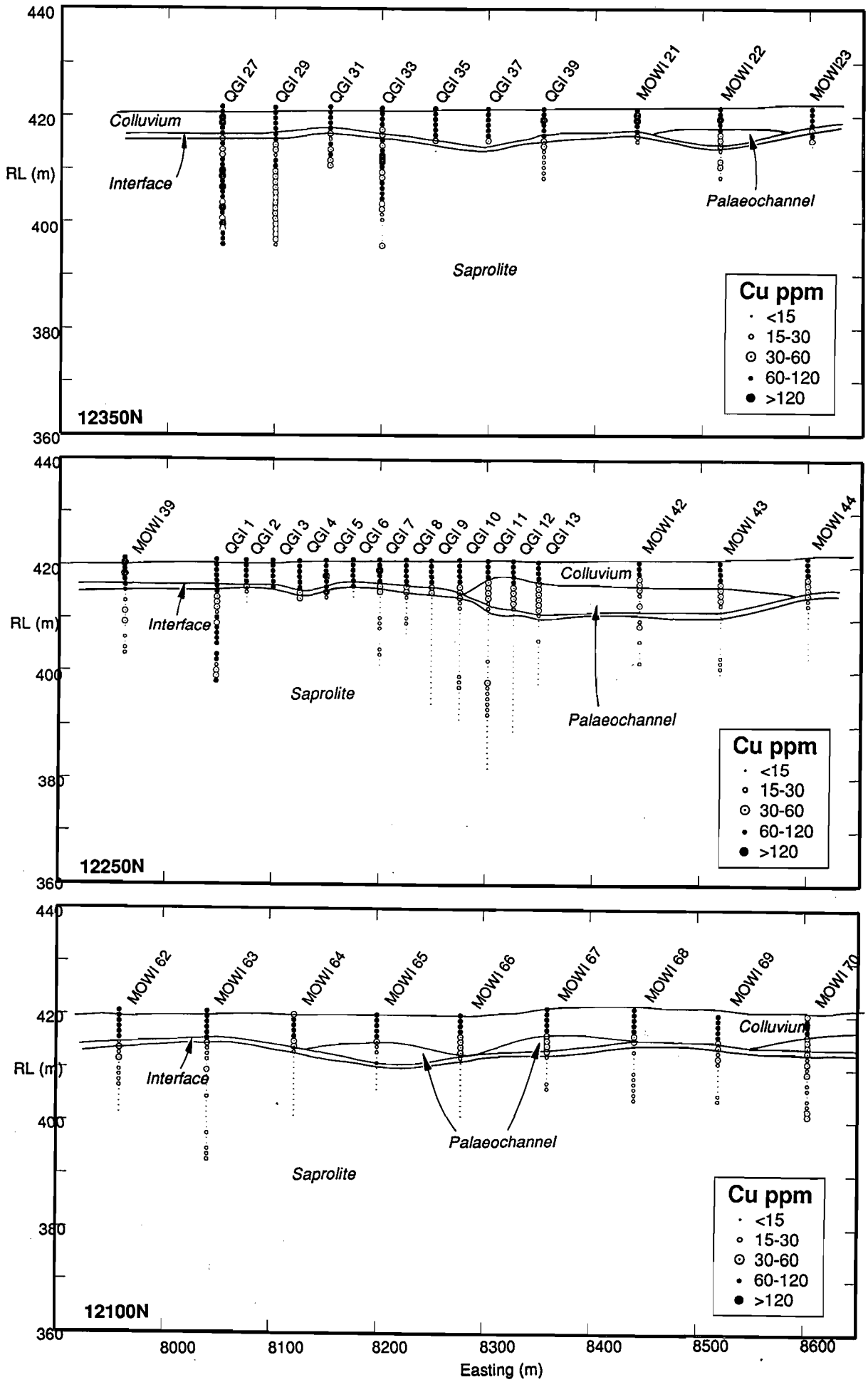

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Ba ppm
<150
150-350
350-550
550-750
>750
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

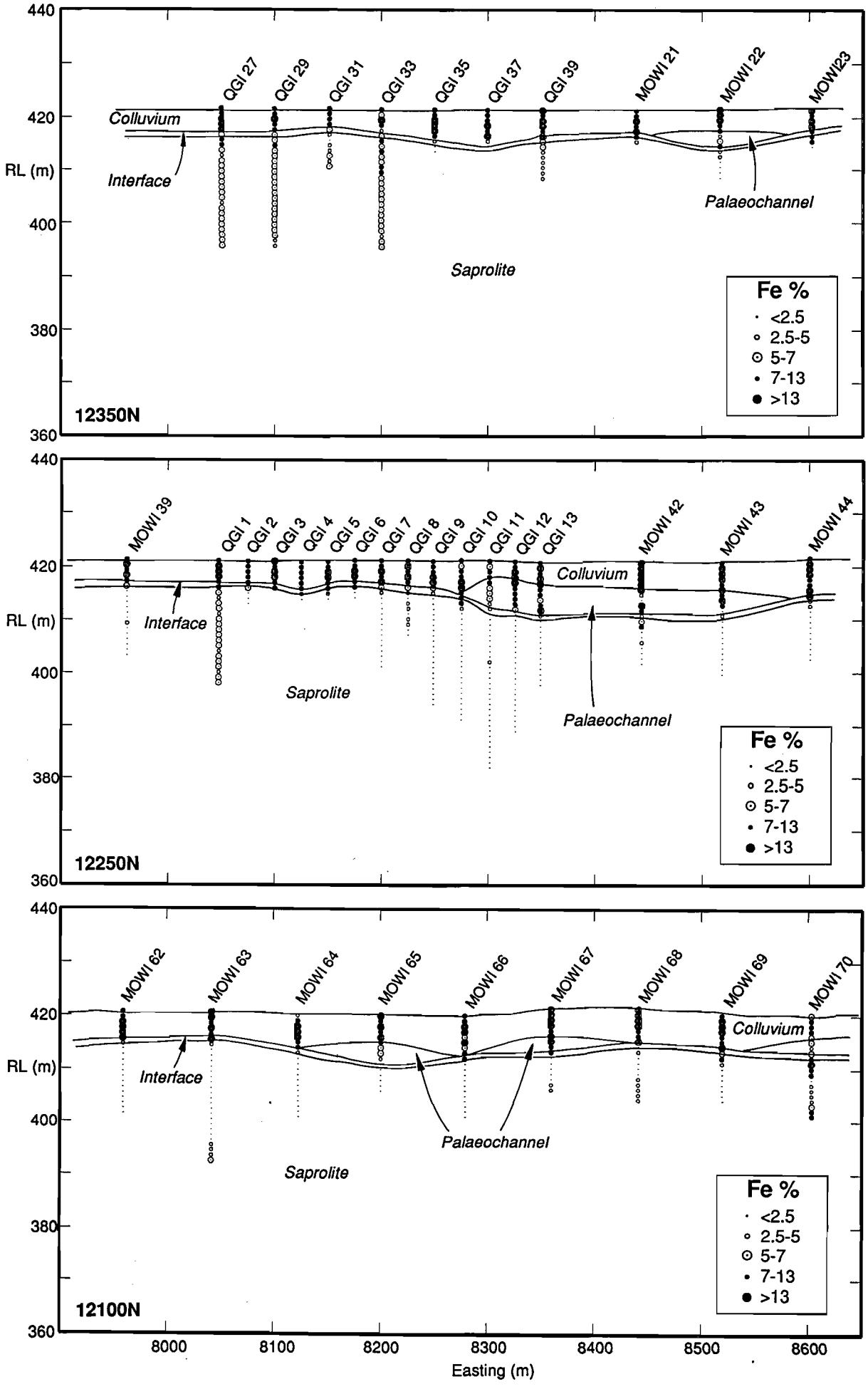

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Bi ppm
<1
1-2
2-3
3-4
>4
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

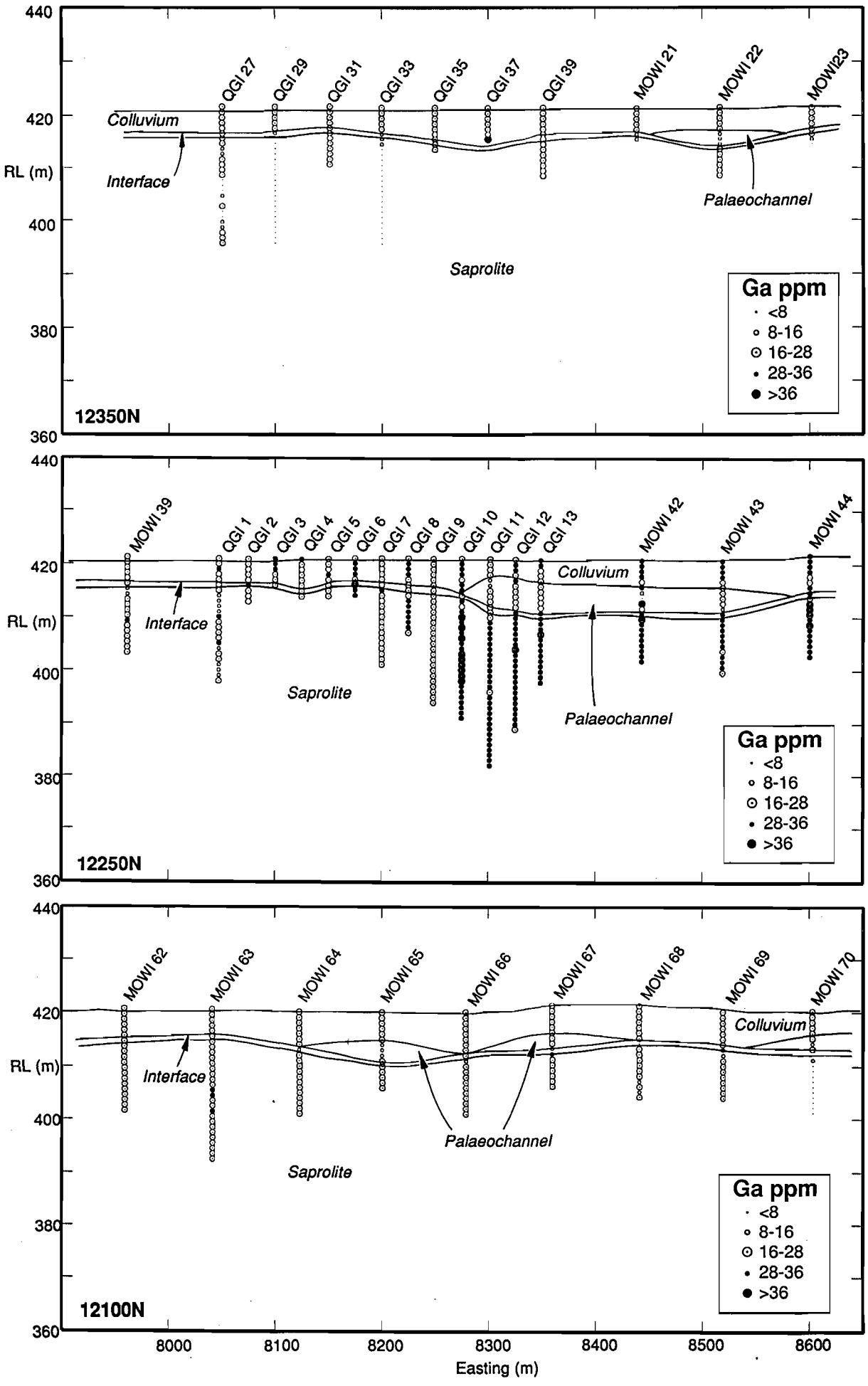

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Ca ppm
<1000
1000-3000
3000-10000
10000-20000
>20000
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
Ca ppm
<1000
1000-3000
3000-10000
10000-20000
>20000
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
Ca ppm
<1000
1000-3000
3000-10000
10000-20000
>20000
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

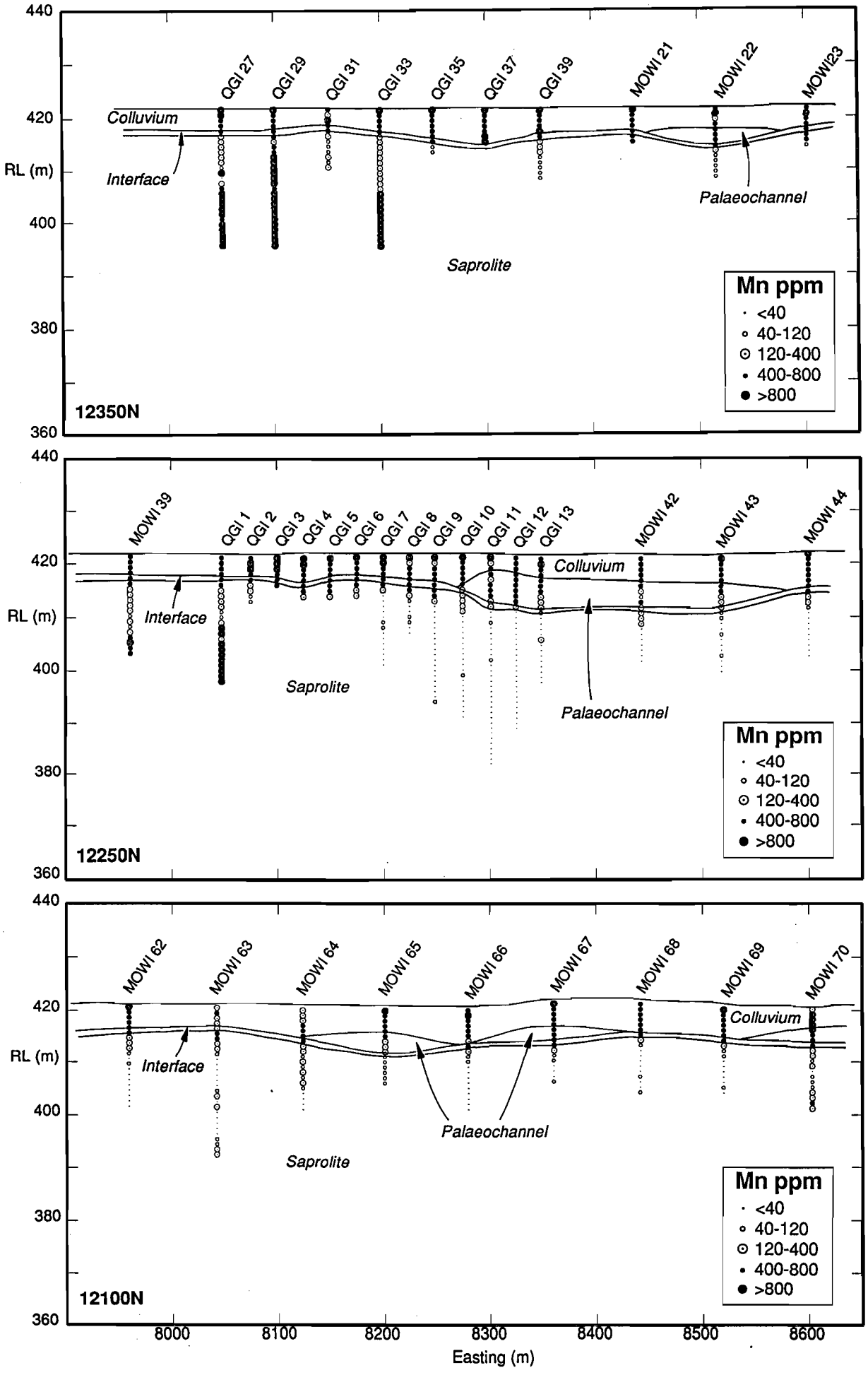

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Co ppm
<10
10-25
25-40
40-90
>90
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
Co ppm
<10
10-25
25-40
40-90
>90
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
Co ppm
<10
10-25
25-40
40-90
>90
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

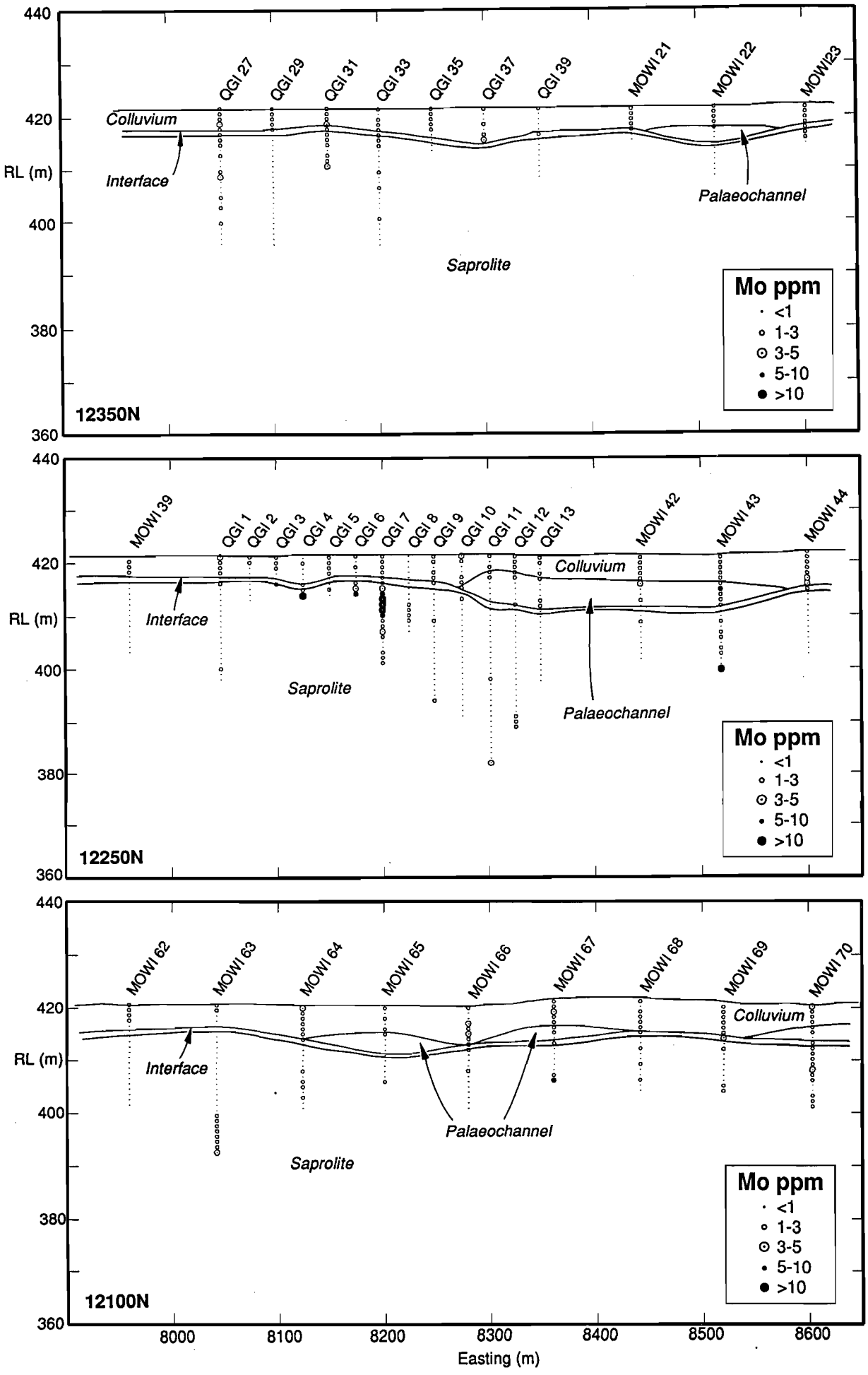

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Cr ppm
<120
120-500
500-900
900-2500
>2500
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

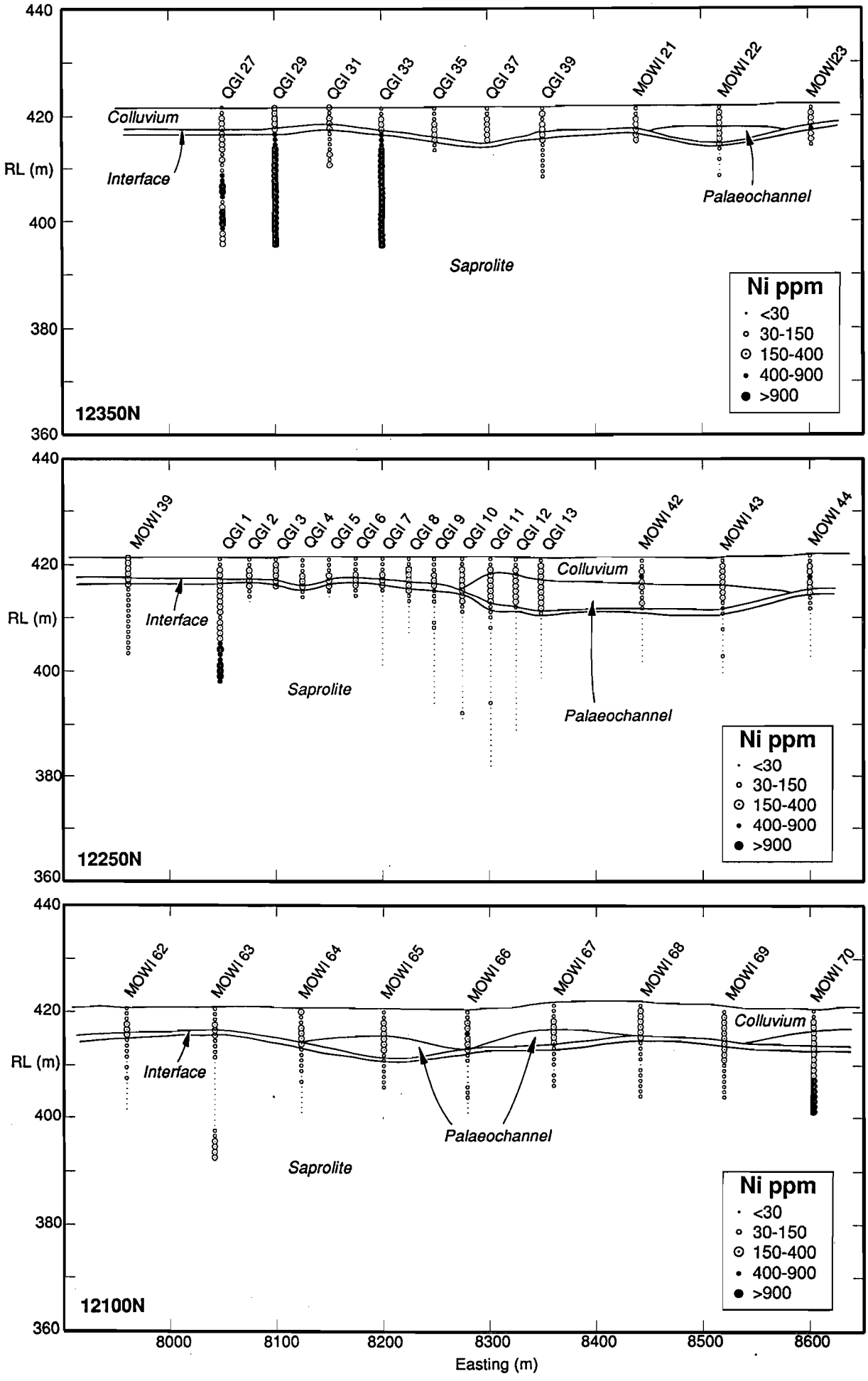

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Cu ppm
<15
15-30
30-60
60-120
>120
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

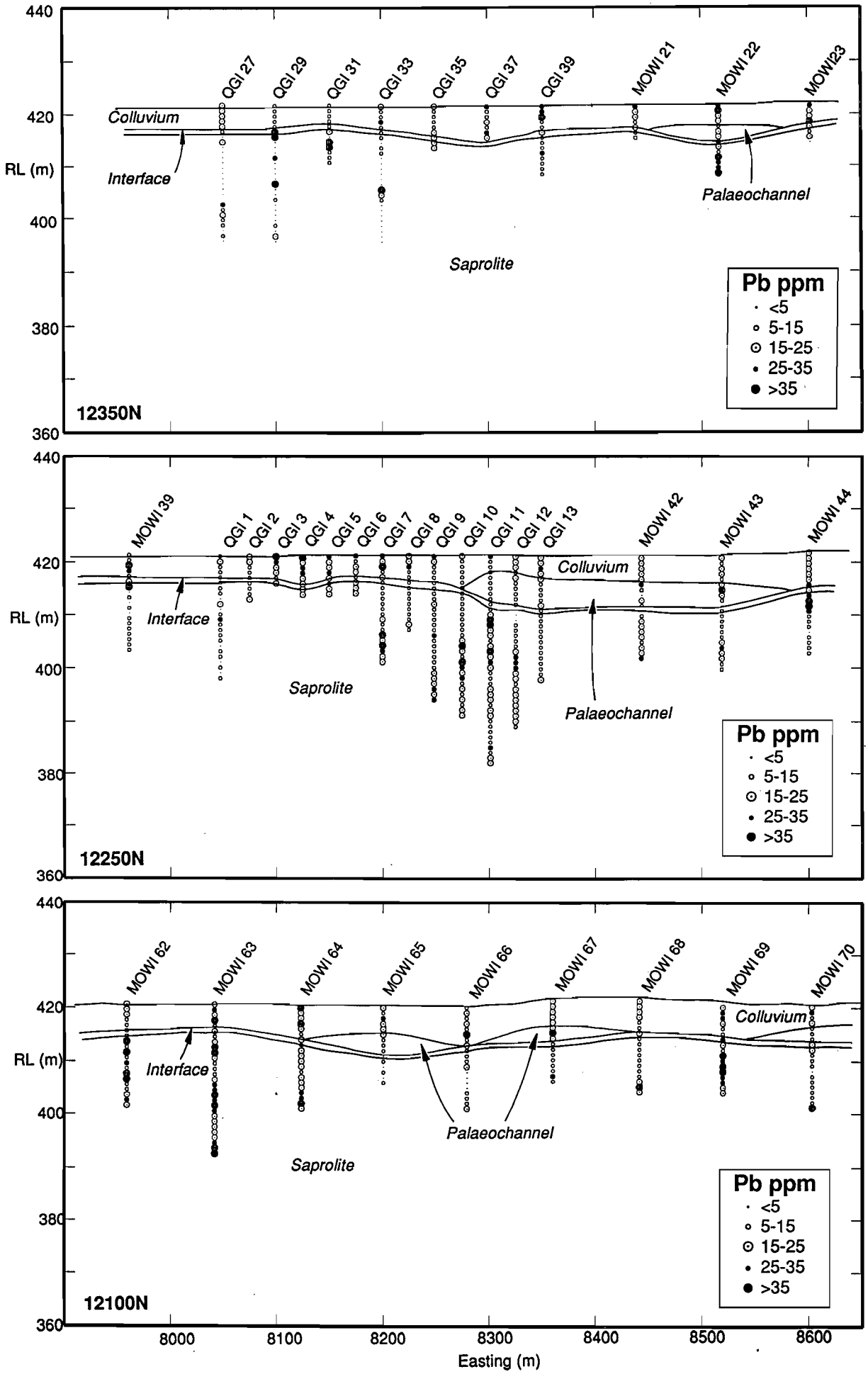

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Fe %
<2.5
2.5-5
5-7
7-13
>13
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
Fe %
<2.5
2.5-5
5-7
7-13
>13
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
Fe %
<2.5
2.5-5
5-7
7-13
>13
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

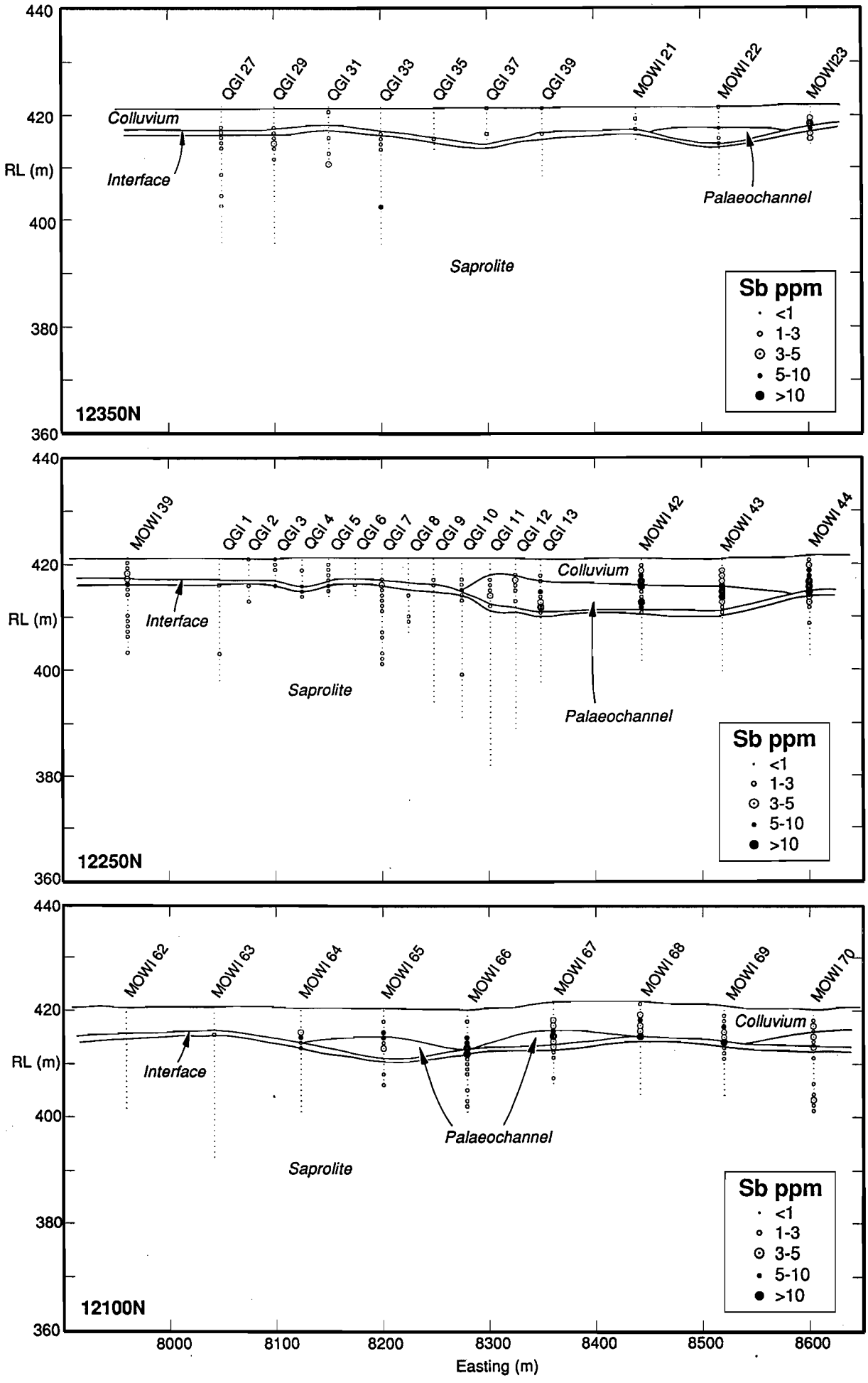

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Ga ppm
<8
8-16
16-28
28-36
>36
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
Ga ppm
<8
8-16
16-28
28-36
>36
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
Ga ppm
<8
8-16
16-28
28-36
>36
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

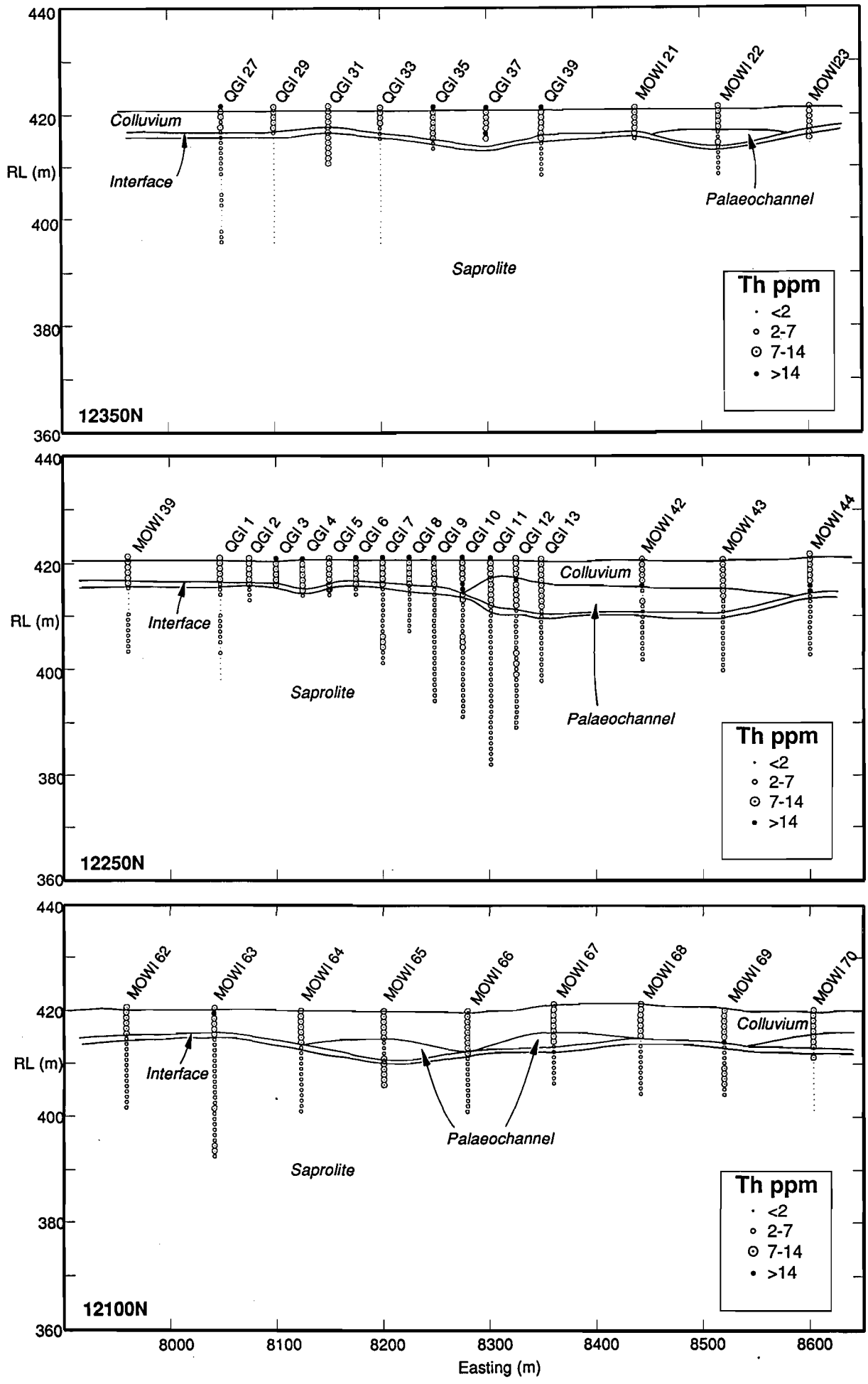

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Mn ppm
<40
40-120
120-400
400-800
>800
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

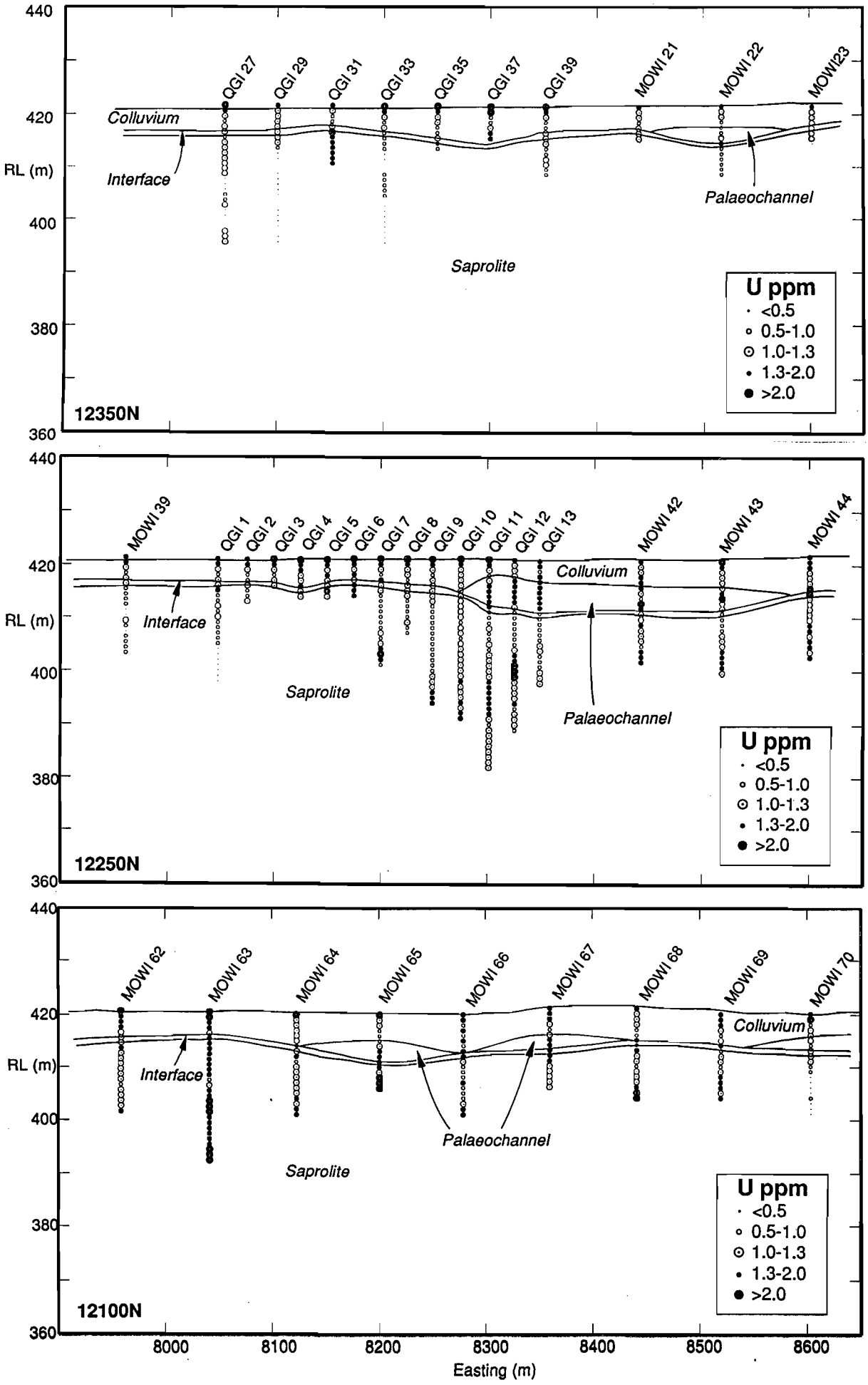

440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Mo ppm
<1
1-3
3-5
5-10
>10
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
Mo ppm
<1
1-3
3-5
5-10
>10
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
Mo ppm
<1
1-3
3-5
5-10
>10
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)


440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Ni ppm
<30
30-150
150-400
400-900
>900
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
Ni ppm
<30
30-150
150-400
400-900
>900
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
Ni ppm
<30
30-150
150-400
400-900
>900
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)


440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Pb ppm
<5
5-15
15-25
25-35
>35
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)


440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Sb ppm
<1
1-3
3-5
5-10
>10
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)


440
420
400
380
360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Th ppm
<2
2-7
7-14
>14
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
Th ppm
<2
2-7
7-14
>14
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
Th ppm
<2
2-7
7-14
>14
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)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QGI 31
QGI 33
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QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
U ppm
<0.5
0.5-1.0
1.0-1.3
1.3-2.0
>2.0
12350N
MOWI 39
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QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
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Interface
Palaeochannel
Saprolite
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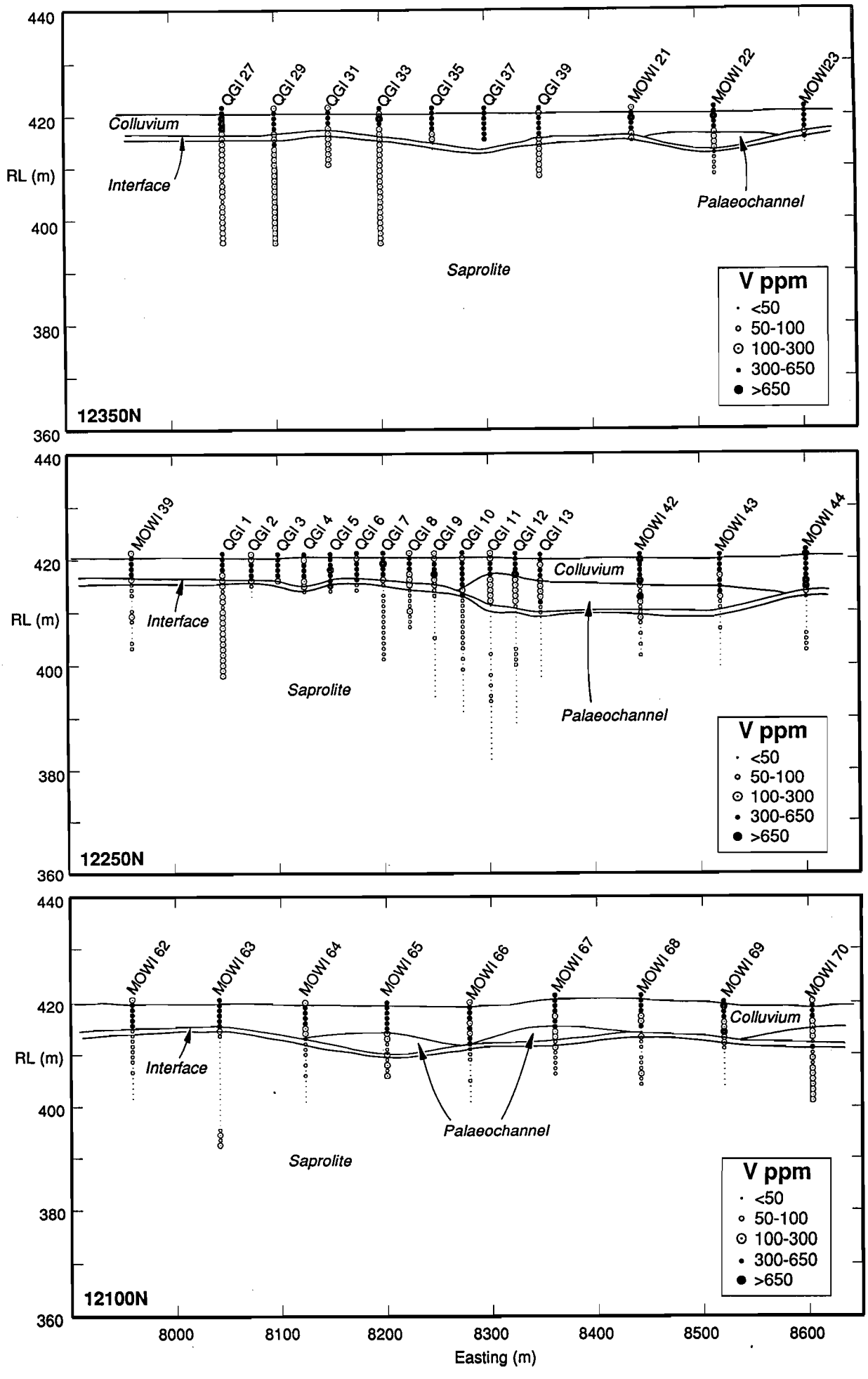
8500
8600
Easting (m)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420
RL (m)
400
380
360
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QGI 31
QGI 33
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QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
V ppm
<50
50-100
100-300
300-650
>650
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
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QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
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Interface
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Saprolite
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8000
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8400
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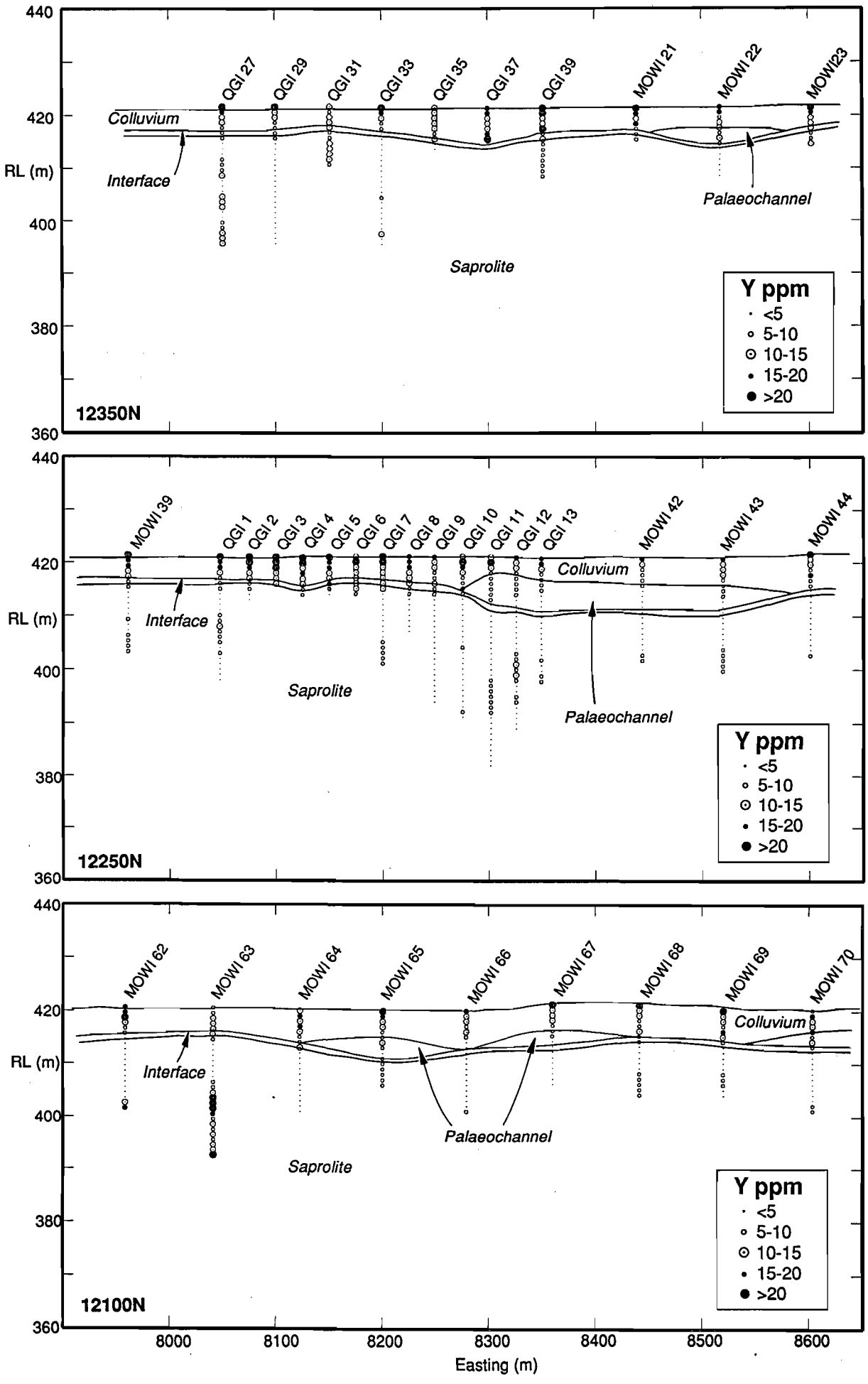
Easting (m)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RL (m)
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QGI 29
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QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Y ppm
<5
5-10
10-15
15-20
>20
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
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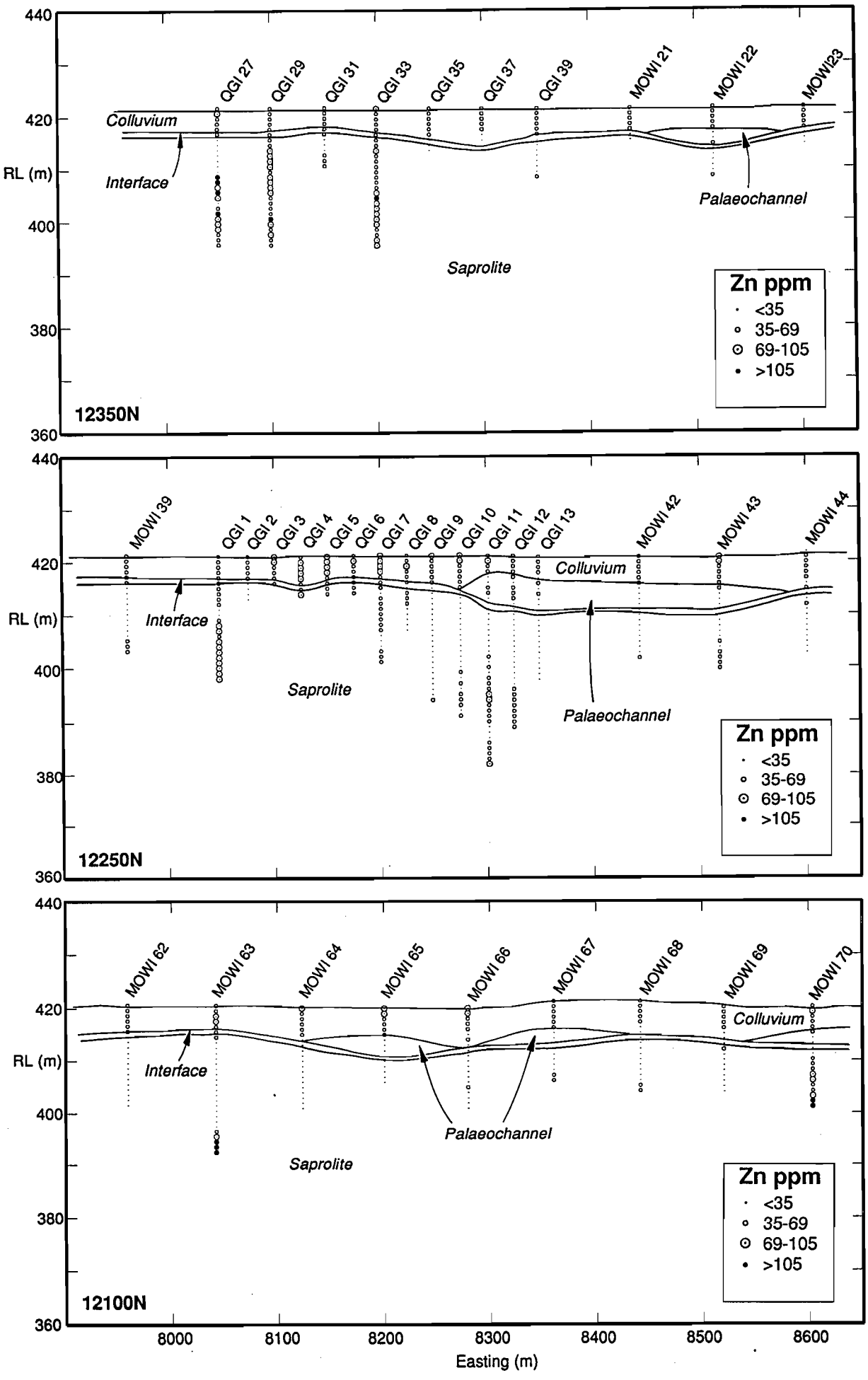
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
12250N
MOWI 62
MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)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420
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360
RL (m)
QGI 27
QGI 29
QGI 31
QGI 33
QGI 35
QGI 37
QGI 39
MOWI 21
MOWI 22
MOWI23
Colluvium
Interface
Palaeochannel
Saprolite
Zn ppm
<35
35-69
69-105
>105
12350N
MOWI 39
QGI 1
QGI 2
QGI 3
QGI 4
QGI 5
QGI 6
QGI 7
QGI 8
QGI 9
QGI 10
QGI 11
QGI 12
QGI 13
MOWI 42
MOWI 43
MOWI 44
Colluvium
Interface
Saprolite
Palaeochannel
Zn ppm
<35
35-69
69-105
>105
12250N
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MOWI 63
MOWI 64
MOWI 65
MOWI 66
MOWI 67
MOWI 68
MOWI 69
MOWI 70
Colluvium
Interface
Palaeochannel
Saprolite
Zn ppm
<35
35-69
69-105
>105
12100N
8000
8100
8200
8300
8400
8500
8600
Easting (m)

APPENDIX S1

TABULATED GEOCHEMISTRY - STELLAR ORIENTATION SURVEY

see text for methods

DHole	From	To	SiO2	Al2O3	Fe2O3	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	%	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
R1903	0	1	49	12.3	29.31	15	15	460	0.5	25	1200	80	26	580	5	115	34	2	15.1	2	600	13	30
R1903	1	2	47.3	12.3	30.31	15	23	580	0.3	20	1000	85	26	405	5	125	18	1.5	11.6	1.8	560	15	30
R1903	2	3	40.7	16.9	28.74	15	38	390	0.2	15	980	95	30	285	6	155	16	2	10.6	1.4	630	15	20
R1903	3	4	54.4	19.8	14.3	2	37	225	0.05	50	520	105	24	620	8	200	40	1	9.4	0.9	320	21	20
R1903	4	5	43.7	17.8	27.31	5	38	205	0.2	40	900	90	29	480	6	165	68	2	11.8	1.3	590	17	20
R1903	5	6	52.9	20.5	13.87	2	32	160	0.05	30	550	105	24	460	10	180	18	1.5	9.2	1	320	17	20
R1903	6	7	22.9	13.5	47.89	25	22	90	0.2	15	1900	75	35	370	6	130	24	4.5	17.1	1.4	1100	13	20
R1903	7	8	24.5	14.2	45.89	25	16	105	0.2	15	1850	75	34	365	5	130	24	4	17.2	1.4	1000	12	20
R1903	8	9	44.9	20.7	18.87	15	16	160	0.6	25	800	75	26	510	8	165	14	1.5	12.9	1.2	410	11	10
R1903	9	10	32.5	17.3	34.88	30	25	100	0.7	20	1500	100	30	465	7	150	340	2.5	14.6	1.9	800	10	20
R1903	10	11	42.3	20.6	23.3	20	12	90	0.1	25	1050	75	28	420	10	160	22	2	14	1.5	510	8	10
R1903	11	12	45.5	19.8	21.45	15	21	95	2	20	840	75	25	335	9	150	18	2.5	12.5	1.6	485	6	20
R1903	12	13	49	22.3	16.16	5	4	90	1.2	20	670	70	26	350	10	175	20	2.5	13	1.4	355	6	20
R1903	13	14	49.5	23.6	12.44	5	3	75	0.3	20	670	65	25	200	7	210	32	1	10.9	1.4	275	5	10
R1903	14	15	52.2	24	8.44	2	5	70	0.8	20	640	50	27	135	4	235	6	1	8.6	1.1	160	5	5
R1903	15	16	50.2	21.2	11.58	2	5	65	0.05	20	980	45	28	160	10	220	6	1.5	7.4	1.2	230	4	5
R1903	16	17	50.9	19	14.73	2	2	90	1.2	20	1300	40	27	220	16	190	12	1	6.4	1.3	280	4	10
R1903	17	18	52.2	21.5	9.44	2	4	55	0.3	15	1050	35	29	135	5	210	6	1	6.1	1.1	160	4	5
R1903	18	19	54.7	22.6	8.29	2	8	55	0.3	20	1050	35	31	115	6	220	14	1	6.3	1.3	150	4	5
R1903	19	20	66.7	18.3	2.86	2	11	40	0.1	20	495	20	32	70	8	135	6	1	4.6	0.7	75	3	5
R1903	20	21	69.6	18.3	2.29	2	18	65	0.2	15	380	15	29	70	7	70	8	1.5	4.8	0.8	80	4	5
R1903	21	22	61	27	2.57	2	20	85	0.05	10	275	5	48	25	4	45	6	0.5	1.9	0.4	45	2	5
R1903	22	23	51.3	24.8	2	2	9	265	0.2	2	130	2	38	25	3	20	4	0.2	2.2	0.5	15	3	5
R1903	23	24	66.1	26.4	1.57	2	2	480	0.05	2	90	2	32	15	3	15	8	0.2	3.4	0.6	40	3	10
R1903	24	25	67.7	25.4	1.43	2	21	560	0.7	2	85	5	30	20	3	25	4	0.2	3.2	0.6	5	3	20
R1903	25	26	67.8	25.7	1.57	2	4	500	1.3	2	90	2	30	20	3	20	2	0.2	3.1	0.5	15	3	10
R1903	26	27	66.9	25.4	1.72	2	4	1350	0.5	5	115	60	38	80	3	45	800	1	3.9	1.9	15	4	10
R1903	27	28	69.5	24.4	1.43	2	9	750	0.3	2	60	2	30	15	4	45	10	0.2	3.8	0.9	20	4	20
R1904	0	1	73.8	19.1	2.57	10	376	580	0.05	10	125	60	27	55	3	160	32	1	5.5	1.4	70	9	40
R1904	1	2	71.6	17.4	3.15	15	50	520	0.8	10	100	25	26	45	2	80	24	1.5	3.8	1.1	85	8	60
R1904	2	3	57.3	12.9	21.16	15	12	600	0.4	25	960	65	25	1100	3	90	24	1	16.3	2.3	430	13	40
R1904	3	4	41.4	15.6	30.45	10	45	370	1.2	20	1250	75	30	395	5	125	16	2	12.6	1.4	690	14	30
R1904	4	5	48.7	18.4	20.16	10	27	235	0.05	30	870	85	25	445	6	155	12	1.5	10	1.2	455	16	30
R1904	5	6	56.7	20.9	9.86	5	128	230	0.4	40	460	80	22	455	9	160	10	1	10.2	0.9	240	17	30
R1904	6	7	48.2	19.6	17.01	5	61	185	0.4	30	780	90	25	460	7	165	14	1.5	10.9	1	405	18	20
R1904	7	8	44.2	19.1	21.3	15	25	205	0.1	30	930	80	25	730	9	170	18	2.5	13	1.5	490	14	20

DHole	From	To	SiO2	Al2O3	Fe2O3	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	%	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
R1904	8	9	46.1	20.7	17.44	15	5	115	0.2	30	700	75	24	380	9	185	18	1.5	13	2	395	11	20
R1904	9	10	45.6	21.2	18.16	10	4	105	0.05	25	690	75	25	335	6	185	14	1	13.2	1.9	430	10	20
R1904	10	11	51	23.5	10.87	5	4	90	1.2	15	560	60	22	145	8	155	12	1	11.1	1.4	260	7	20
R1904	11	12	50.3	25	7.86	2	10	65	0.05	10	410	35	17	95	3	115	4	0.5	8.7	1	160	4	10
R1904	12	13	51.1	25.8	9.44	2	3	80	1.4	15	560	45	23	105	2	160	6	0.2	10.2	1.1	185	4	10
R1904	13	14	50.5	24.6	11.01	2	4	80	0.2	20	740	45	24	120	12	195	6	1.5	9.7	1.1	235	4	10
R1904	14	15	50.7	21.9	12.3	5	6	80	0.4	20	1000	45	24	135	12	225	6	1.5	8.5	1.1	255	4	5
R1904	15	16	53.4	21.3	9.44	2	6	75	0.2	15	940	40	26	125	11	215	6	1.5	8	1.1	205	4	10
R1904	16	17	56.1	15.5	12.72	2	13	60	0.6	15	1250	45	31	105	13	145	4	1.5	7.7	1.1	270	4	10
R1904	17	18	30.4	11.2	44.03	15	10	55	0.2	105	2500	30	31	220	6	185	18	2	5.4	1.1	830	7	5
R1904	18	19	31	8.85	44.61	20	6	45	0.2	130	2300	40	30	230	5	240	10	2	3.9	1.2	760	8	5
R1904	19	20	35.6	6.6	45.04	20	20	100	0.3	90	2700	35	28	255	3	150	12	2	3.7	1.1	970	5	10
R1904	20	21	51.4	12.6	22.45	10	20	60	0.05	55	1250	45	19	150	4	340	8	1.5	3	0.7	445	3	20
R1904	21	22	63.1	15	7.01	2	12	40	0.05	35	810	35	16	125	4	195	6	1	3.7	0.7	230	3	20
R1904	22	23	65.7	13	3.86	2	15	3000	0.05	30	600	45	42	205	12	195	12	2.5	5.5	0.8	175	5	20
R1904	23	24	69.8	9.7	4.86	2	27	220	0.05	25	540	30	12	165	5	145	14	2.5	5.7	0.7	180	3	20
R1904	24	25	69.4	18.2	2.57	2	45	530	0.05	20	295	20	25	55	6	240	24	1.5	8.1	1.6	85	5	30
R1904	25	26	71	20.5	1.86	2	5	800	0.05	5	105	5	31	50	5	85	16	0.2	7.5	1.3	35	6	40
R1904	26	27	69.3	20.3	1.72	2	3	1700	0.2	2	75	5	40	40	4	105	14	0.5	7.9	1.3	25	6	20
R1904	27	28	71.7	20.5	1.57	2	2	790	0.05	2	65	2	32	40	5	115	18	0.2	7.8	1.1	15	5	20
R1904	28	29	72.5	20.8	1.57	2	0.5	810	0.05	2	50	2	31	35	4	55	10	0.2	7.7	1.3	15	5	20
R1904	29	30	70.9	20.5	1.57	2	0.5	870	0.05	2	70	2	32	30	4	35	12	0.5	7.7	1.1	25	5	20
R1904	30	31	72.1	19.1	2.43	2	2	730	0.05	2	95	2	29	70	4	25	14	0.5	10.3	1.1	45	6	30
SRI1	0	1	51.1	14.2	22.45	15	6	540	0.4	30	860	75	24	1100	5	125	42	1	18.7	3	400	20	60
SRI1	1	2	48.3	14.4	27.59	15	7	1250	0.4	25	800	100	28	960	10	125	36	1	15.1	2.1	495	15	60
SRI1	2	3	44.4	14.7	31.02	10	12	690	0.3	40	910	120	26	920	8	170	14	1	9.6	1.2	560	36	60
SRI1	3	4	39.3	15.8	32.03	10	14	530	0.6	45	970	135	26	870	7	155	10	3	9	1	690	14	50
SRI1	4	5	24.8	13.3	52.61	35	49	280	1	20	2000	105	35	490	7	145	22	4.5	14.4	1.6	1150	12	40
SRI1	5	6	39.3	16.4	33.31	20	19	155	0.3	20	1250	90	28	425	7	145	16	2.5	12.2	0.9	750	12	30
SRI1	6	7	37.2	17.2	33.03	20	35	95	1.4	20	1250	95	26	350	16	145	18	3.5	13.2	1.2	710	11	40
SRI1	7	8	33.3	15.7	40.6	30	38	120	0.8	20	1700	85	31	380	9	145	20	3	16.7	1.7	860	11	30
SRI1	8	9	35.5	17.4	33.74	25	61	105	0.7	55	1900	70	27	395	5	210	26	2.5	15.9	1.6	630	13	20
SRI1	9	10	33.1	19.6	34.03	25	328	415	0.3	55	3600	80	30	650	5	330	32	3.5	16.5	2.3	610	15	20
SRI1	10	11	34.3	17.8	32.88	25	405	445	0.3	55	2550	95	28	770	2	295	54	2.5	15.3	2.1	600	13	30
SRI1	11	12	30.5	18.5	32.88	35	160	940	0.7	70	5800	65	28	1350	6	440	30	5	18.8	3.2	570	13	30
SRI1	12	13	27.1	17.5	32.31	25	128	640	0.2	55	6100	55	21	550	5	510	18	5.5	11.7	4.3	485	7	40

DHole	From	To	SiO2	Al2O3	Fe2O3	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	%	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SRI1	13	14	25	15.3	36.6	30	346	280	0.05	85	6900	60	18	680	3	540	12	7.5	7.6	4.7	670	5	40
SRI1	14	15	42.4	12.3	24.88	25	194	125	0.1	65	4500	50	15	300	4	580	6	5	5.9	1.7	480	3	20
SRI1	15	16	42.8	8.95	27.59	25	66	80	0.3	75	4100	45	11	280	2	600	4	8	3	0.9	465	2	20
SRI1	16	17	49.9	8.4	18.73	15	39	75	0.05	75	3000	40	9	195	2	840	8	4	2.1	0.6	195	1	30
SRI1	17	18	53	6.8	18.16	10	51	120	0.05	95	2850	25	7	165	0.5	1200	4	2	0.75	0.5	100	0.5	30
SRI1	18	19	54.7	7.3	11.15	5	43	125	0.05	110	3150	25	7	170	0.5	1550	1	1.5	0.65	0.4	65	0.5	50
SRI1	19	20	54.1	6.75	12.01	2	16	155	0.1	150	3450	15	6	180	0.5	1950	1	0.2	0.35	0.3	50	0.5	60
SRI1	20	21	49	6.75	16.58	10	11	185	0.05	250	4500	20	8	425	0.5	3000	1	0.2	0.15	0.3	145	3	110
SRI1	21	22	47.9	6.55	11.58	10	5	185	0.05	485	3500	15	6	1400	0.5	2250	6	0.5	0.05	0.2	110	12	280
SRI1	22	23	52.7	6.3	12.15	5	7	30	0.7	275	3350	20	5	290	0.5	2400	1	0.5	0.1	0.2	85	1	60
SRI1	23	24	51.9	5.85	12.01	5	6	25	0.05	225	3650	30	5	485	0.5	2500	2	1	0.02	0.2	75	3	60
SRI1	24	25	48.5	4.8	10.29	5	3	225	0.05	930	2650	20	5	2350	0.5	2750	1	1.5	0.02	0.01	70	35	70
SRI1	25	26	47.7	4.75	10.15	10	6	225	0.3	330	2600	30	5	1950	0.5	2150	1	1.5	0.02	0.01	85	10	50
SRI1	26	27	49.2	4.75	10.15	5	4	20	0.2	120	2550	50	5	460	0.5	1800	1	1.5	0.02	0.1	95	4	60
SRI1	27	28	48.6	4.95	10.58	2	11	55	0.05	145	2650	65	5	710	0.5	1900	1	1.5	0.1	0.2	75	5	70
SRI1	28	29	49	5.05	10.87	10	31	40	0.05	125	2700	65	5	580	0.5	1750	1	1.5	0.02	0.1	95	4	50
SRI1	29	30	49.3	4.65	9.58	5	16	165	0.05	155	2750	15	5	1150	0.5	1850	1	1	0.02	0.01	65	2	60
SRI1	30	31	49.5	5	9.58	10	85	30	0.05	100	2800	20	4	530	0.5	1700	1	0.2	0.05	0.1	15	2	60
SRI1	31	32	47.9	6.05	11.29	5	52	95	0.05	95	2950	10	5	790	0.5	1700	1	0.5	0.1	0.01	90	3	60
SRI1	32	33	48.1	6.35	11.29	10	18	385	0.2	110	2850	5	7	1900	0.5	1650	1	1.5	0.1	0.1	110	7	60
SRI1	33	34	48.2	5.85	10.72	2	10	205	0.4	100	2750	15	6	1250	0.5	1600	1	1	0.02	0.1	115	5	60
SRI1	34	35	49	5.15	10.01	10	7	200	0.05	100	2600	30	6	1150	0.5	1550	1	1	0.02	0.1	115	4	50
SRI1	35	36	48.7	4.8	8.86	2	4	150	0.05	95	2350	2	5	880	0.5	1500	4	1	0.02	0.1	100	3	40
SRI1	36	37	54.9	4.95	8.58	2	29	30	0.05	95	2250	2	5	510	0.5	1650	1	1.5	0.02	0.01	110	1	60
SRI1	37	38	54.8	4.55	8.86	10	2	120	0.05	95	2150	15	5	760	0.5	1500	1	1	0.02	0.01	95	3	40
SRI1	38	39	55.6	4.4	8.44	2	28	100	0.05	90	2050	20	5	710	0.5	1500	1	0.5	0.02	0.01	90	2	40
SRI1	39	40	46.5	4.75	10.15	10	25	45	0.1	80	1850	30	4	960	0.5	1350	1	1.5	0.02	0.1	95	5	50
SRI2	0	1	60.5	15.3	18.44	15	7	500	0.3	30	660	65	23	1500	12	110	28	1	16.7	2.6	330	16	50
SRI2	1	2	50.1	14.3	26.02	15	17	1100	1.5	30	840	85	27	1150	7	165	16	1.5	10.1	1.6	510	34	40
SRI2	2	3	30.8	15.5	42.18	25	29	280	0.1	20	1450	90	31	460	7	135	16	4.5	9.3	1.2	880	11	40
SRI2	3	4	38.9	16.1	34.17	15	10	350	0.2	25	1150	115	26	540	6	140	14	2.5	8.2	1	700	10	30
SRI2	4	5	33	15.7	39.17	20	42	355	1.2	25	1400	110	28	520	10	135	18	2	10.3	1.1	840	10	40
SRI2	5	6	51.8	20.6	16.01	10	17	190	0.3	30	610	85	21	360	9	140	10	1	8.7	0.8	325	9	30
SRI2	6	7	42.4	16.7	30.17	20	17	115	1	15	1250	70	24	285	3	120	16	1.5	11	1	560	6	30
SRI2	7	8	51.5	19.1	25.31	20	87	140	0.3	65	1250	85	27	370	2	215	16	1	14.9	1.5	465	12	30
SRI2	8	9	51.2	22.3	17.01	15	172	125	0.3	55	1350	65	23	260	11	235	18	2	12.2	1.4	330	10	30

DHole	From	To	SiO2	Al2O3	Fe2O3	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	%	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SRI2	9	10	38.1	19.1	30.17	25	510	360	0.2	85	3000	70	27	475	8	275	22	3.5	13.7	2	560	11	10
SRI2	10	11	25	21.6	35.6	25	530	900	0.2	60	7100	40	33	435	5	415	26	5.5	14.6	4.7	600	8	10
SRI2	11	12	30.6	23.1	29.59	20	1400	265	0.05	45	6400	30	26	275	4	395	22	3.5	12.4	4.1	475	5	5
SRI2	12	13	38.6	25.1	21.45	15	2400	125	0.05	45	5000	20	23	205	5	420	10	3	7.9	2.9	315	4	5
SRI2	13	14	33.6	22.3	28.88	15	1065	135	0.05	70	5000	20	17	660	5	510	10	3	5.6	2.5	410	2	20
SRI2	14	15	43.3	23	20.3	10	450	100	0.05	70	3750	20	12	335	3	495	4	2	3.1	1.1	265	2	20
SRI2	15	16	45.4	24.1	17.59	10	56	100	0.2	65	3700	15	12	315	3	485	4	1.5	1.95	0.5	220	1	20
SRI2	16	17	37.3	19.8	28.59	15	86	120	0.05	55	5400	20	15	440	2	395	4	2.5	2.1	0.6	355	2	10
SRI2	17	18	33.8	19.8	31.74	15	164	145	0.05	50	6100	20	16	390	2	370	4	2.5	2.1	0.6	400	1	20
SRI2	18	19	31	14.9	37.74	25	1525	190	0.05	60	8600	25	18	530	2	520	2	4	1.6	0.7	760	2	30
SRI2	19	20	57.5	18.9	14.87	10	308	80	0.05	35	5100	20	17	375	2	280	1	2	2.1	0.5	320	1	20
SRI2	20	21	29.6	16.6	38.6	30	990	150	0.05	50	6000	35	13	570	0.5	460	4	3	1.65	0.7	560	2	40
SRI2	21	22	40.7	22	22.02	30	760	60	0.05	30	5800	30	14	395	0.5	280	2	4.5	0.95	0.4	400	0.5	10
SRI2	22	23	49.3	18	18.59	20	162	85	0.05	30	4650	30	13	315	0.5	300	4	4	0.4	0.3	410	0.5	20
SRI2	23	24	54.8	12.7	16.73	25	146	45	0.05	40	3800	35	10	235	0.5	570	1	4	0.15	0.3	350	0.5	30
SRI2	24	25	52.6	8.55	23.02	25	400	40	0.05	60	3300	35	8	340	0.5	1100	2	3	0.1	0.3	315	2	40
SRI2	25	26	51	8	18.59	15	37	10	0.05	65	3300	30	6	315	0.5	1600	1	2	0.02	0.2	235	3	70
SRI2	26	27	51.2	7.8	16.44	20	30	10	0.05	60	3700	25	5	285	0.5	1950	1	2.5	0.05	0.2	230	3	90
SRI2	27	28	53.4	7.45	14.15	15	29	15	0.05	55	3600	30	6	295	0.5	2400	2	2	0.02	0.3	150	2	100
SRI2	28	29	52.9	7.45	14.58	20	22	140	0.05	70	3700	25	8	770	0.5	2350	6	1.5	0.02	0.3	190	3	100
SRI2	29	30	53	7.55	13.3	20	27	15	0.05	60	4750	25	6	240	0.5	2350	6	3	0.02	0.3	145	3	100
SRI2	30	31	54.3	7	13.3	20	10	345	0.05	110	3800	20	7	1850	0.5	2600	1	2.5	0.02	0.2	135	4	110
SRI2	31	32	50	5.75	15.44	25	55	2550	0.05	910	3350	20	21	13100	0.5	4350	1	7.5	0.02	0.5	225	70	150
SRI2	32	33	52.7	6.1	12.15	20	54	2000	0.05	730	3000	15	17	10300	0.5	4100	1	2.5	0.05	0.3	185	26	100
SRI2	33	34	54	6.15	11.87	15	53	40	0.05	125	3150	15	5	510	0.5	3450	1	1.5	0.2	0.2	105	16	70
SRI2	34	35	52.7	6	12.44	10	29	55	0.05	155	3100	20	5	740	0.5	3350	4	1.5	0.02	0.2	105	11	90
SRI2	35	36	52.7	5.65	11.44	10	49	40	0.05	120	2800	20	5	570	0.5	2650	2	1.5	0.02	0.2	80	8	70
SRI2	36	37	50	5.05	11.15	10	70	75	0.05	140	2650	20	5	1050	0.5	2200	1	1	0.02	0.2	90	4	60
SRI2	37	38	54	5.55	11.15	5	39	25	0.05	80	2750	25	5	435	0.5	1950	1	2	0.02	0.1	85	4	80
SRI2	38	39	53.4	5.3	11.87	10	28	200	0.05	125	2900	20	6	1450	0.5	2100	1	1.5	0.02	0.3	90	3	70
SRI2	39	40	52.1	4.85	10.72	15	43	290	0.05	130	2650	40	6	1850	0.5	1850	1	1.5	0.02	0.2	85	4	70
SRI3	0	1	63.1	17.2	16.58	15	114	1100	0.2	25	630	70	31	1050	10	110	48	0.5	17.6	3.1	320	21	50
SRI3	1	2	64.2	14.4	15.73	10	18	800	0.3	15	490	65	23	490	6	110	24	0.5	15.1	2.1	290	19	40
SRI3	2	3	55.6	15.3	21.16	15	20	425	0.4	25	670	80	24	550	2	145	18	0.2	13	1.7	375	19	40
SRI3	3	4	34.5	15.5	39.75	25	22	390	0.05	25	1550	95	30	600	6	140	14	1	11.1	1.1	860	12	30
SRI3	4	5	33.3	15.4	40.46	25	28	270	0.1	20	1600	105	29	410	4	125	28	1.5	11.5	0.9	850	10	40

DHole	From	To	SiO2	Al2O3	Fe2O3	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	%	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SRI3	5	6	48.7	19.2	24.02	15	16	210	0.3	20	860	85	24	370	6	140	14	0.5	9.6	1	455	13	30
SRI3	6	7	50.8	19.6	20.59	15	36	160	0.2	35	770	80	24	425	2	145	12	0.5	10.6	1	350	10	20
SRI3	7	8	59.2	19.9	13.73	10	28	130	0.5	65	570	75	22	385	1	175	12	0.2	10	1.1	215	12	20
SRI3	8	9	43.8	17.3	30.02	20	132	135	0.4	20	1300	65	27	315	2	155	18	0.5	12	1.2	510	9	20
SRI3	9	10	54	22.2	10.72	10	392	95	0.2	65	810	60	21	225	4	310	14	0.5	10	1.1	175	12	10
SRI3	10	11	28.4	19.9	38.74	30	520	265	0.9	75	8300	40	31	495	6	370	34	3.5	21	3.7	590	13	20
SRI3	11	12	22.3	20.4	42.61	25	900	440	0.3	35	13400	15	34	295	5	455	34	4	17	5.5	620	8	20
SRI3	12	13	35.7	27.1	20.73	15	4450	170	0.3	50	4550	20	31	185	3	650	18	1.5	14.5	5.8	395	8	5
SRI3	13	14	41.6	26.7	20.73	15	1750	160	0.3	60	3900	30	32	435	8	790	16	2.5	11.2	4.1	390	6	10
SRI3	14	15	43.7	23.1	20.87	10	975	230	0.2	55	3350	20	28	235	7	570	10	1.5	7.4	3.6	395	3	5
SRI3	15	16	65.8	15.4	12.72	10	358	195	1.1	30	1500	15	19	150	3	300	8	1	4.5	1.7	205	2	10
SRI3	16	17	68.9	11.6	8.44	10	396	730	0.05	55	1500	25	14	125	2	495	36	0.5	2.1	0.5	90	1	20
SRI3	17	18	61.6	10	10.58	10	75	150	0.9	70	2900	30	9	130	3	1100	16	3.5	2.9	0.6	150	3	30
SRI3	18	19	60.8	9.7	11.72	10	122	90	1.7	65	2750	25	8	110	0.5	960	10	0.5	3	0.4	160	2	30
SRI3	19	20	59.5	8.9	12.44	10	420	50	0.2	70	3100	25	8	115	0.5	1050	8	1	1.55	0.3	175	1	20
SRI3	20	21	63	8.25	10.87	5	190	115	0.05	70	3050	25	8	115	0.5	1100	16	1	1.15	0.2	175	1	30
SRI3	21	22	56.6	7.9	15.87	5	66	30	0.05	100	3650	50	6	155	0.5	1450	16	0.5	0.9	0.4	230	3	60
SRI3	22	23	56.9	11.1	11.15	10	42	25	0.05	100	4450	35	9	185	0.5	1350	20	0.5	0.65	0.3	250	3	170
SRI3	23	24	53.6	9.25	15.01	10	114	25	0.05	105	4000	45	7	155	0.5	1500	18	1	0.45	0.3	265	3	90
SRI3	24	25	51.8	6.7	18.87	5	178	15	0.05	105	3100	40	6	175	0.5	1800	8	1	0.25	0.3	215	4	60
SRI3	25	26	52.9	6.8	16.3	2	42	10	0.05	115	3050	30	5	195	0.5	1850	6	1	0.25	0.3	200	3	70
SRI3	26	27	54.9	7.3	14.01	5	372	10	0.05	105	3350	25	6	150	0.5	1850	4	1	0.15	0.2	180	3	60
SRI3	27	28	54.9	7.5	13.73	5	51	10	0.05	110	3400	25	6	150	0.5	1900	2	1.5	0.25	0.2	180	4	60
SRI3	28	29	54.2	7.6	13.58	2	62	5	0.05	105	3550	25	6	145	0.5	1900	4	1	0.15	0.2	170	3	60
SRI3	29	30	58.8	7	9.29	5	86	0.05	0.05	100	2950	20	5	125	0.5	1800	1	0.5	0.1	0.01	115	2	50
SRI3	30	31	57.2	6.55	9.44	2	34	5	0.05	100	3000	20	5	125	0.5	1900	2	0.5	0.02	0.1	120	2	50
SRI3	31	32	57	6.4	10.72	10	32	5	0.2	110	2950	20	5	110	0.5	2100	4	1.5	0.4	0.2	115	3	60
SRI3	32	33	57.3	6.85	8.72	10	68	5	0.05	100	2600	15	6	115	2	2000	1	1	0.25	0.2	85	2	50
SRI3	33	34	57.6	6.25	9.72	10	192	145	0.05	145	2750	30	6	660	1	2150	4	1	0.15	0.2	110	3	80
SRI3	34	35	57	6.05	9.58	15	420	830	0.05	335	2500	40	14	2950	3	2300	6	0.5	0.15	0.2	135	2	120
SRI3	35	36	54.5	7.25	11.87	10	194	335	0.05	270	2800	30	9	1400	1	2400	1	0.5	0.15	0.2	140	3	90
SRI3	36	37	52.7	7.05	16.01	10	20	15	0.05	95	3000	25	6	235	1	1850	1	1	0.2	0.3	190	5	60
SRI3	37	38	54.6	7.05	12.15	30	49	15	0.05	120	3000	30	5	215	1	1950	4	1	0.25	0.6	155	3	60
SRI3	38	39	54.6	8.35	11.72	40	93	20	0.05	220	3350	35	6	350	1	2350	1	0.5	0.35	0.5	150	4	100
SRI3	39	40	51.5	8.1	11.44	10	36	90	0.05	335	2950	10	7	700	2	2200	1	1.5	0.4	0.1	130	4	140
SRI4	0	1	61.5	14.5	17.16	10	50	1400	0.2	25	540	65	35	660	8	155	24	1	11.3	1.5	275	30	40

DHole	From	To	SiO2	Al2O3	Fe2O3	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	%	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SRI4	1	2	55.6	12.8	24.73	20	49	1200	0.05	25	730	80	31	510	8	130	20	1	11.8	1.9	415	20	40
SRI4	2	3	43.8	15	31.02	25	47	710	0.05	30	1050	100	31	440	7	140	14	1.5	9.1	1.2	570	15	40
SRI4	3	4	27.3	16.1	44.03	40	76	315	0.05	15	1800	100	35	300	6	135	16	2.5	10.1	1.2	980	9	30
SRI4	4	5	43.6	19	26.02	20	50	205	0.05	25	1000	85	27	325	7	140	18	1	10.6	1	500	10	20
SRI4	5	6	45.9	20.1	22.88	10	36	110	0.05	30	960	85	27	290	8	140	12	0.5	11.2	1.2	450	11	20
SRI4	6	7	44.3	19.4	24.02	50	35	115	0.05	25	1100	85	25	310	6	145	14	0.2	12.6	1.3	475	11	20
SRI4	7	8	53.2	20.2	16.73	30	25	145	0.05	25	810	75	24	400	5	150	12	0.2	12.5	1	330	11	20
SRI4	8	9	48.4	19.4	21.02	20	16	190	1	30	1000	75	25	600	12	140	16	1.5	12.5	1.4	445	11	10
SRI4	9	10	51.2	21.1	17.16	10	10	125	0.8	25	870	75	24	430	12	150	16	1.5	12.4	1.3	380	10	10
SRI4	10	11	53.1	22.6	13.58	15	8	110	0.4	20	660	75	25	365	11	160	16	1	12.8	1.4	310	8	20
SRI4	11	12	53.9	23.7	10.72	10	5	100	0.4	20	580	60	24	310	12	155	12	0.5	10.9	1.3	230	6	10
SRI4	12	13	53	24.9	10.15	10	7	85	3.6	20	630	160	24	160	9	180	12	0.5	10.9	1.1	205	4	10
SRI4	13	14	52.9	25.5	9.29	10	13	90	0.5	20	970	50	26	125	11	200	10	1	8.9	1.4	170	4	5
SRI4	14	15	54	25.5	9.29	10	17	65	0.8	15	1050	45	26	120	21	210	10	0.2	7.9	1.1	165	4	10
SRI4	15	16	51.6	23.8	10.01	30	6	105	0.3	20	1200	40	25	120	7	235	14	1	7.1	1.4	140	3	10
SRI4	16	17	52.5	23.2	9.72	25	4	60	0.7	15	1350	40	28	100	11	220	16	2	7	1.2	145	3	10
SRI4	17	18	67.9	20.2	4.58	2	18	40	0.1	15	400	15	36	70	8	105	12	1	6.6	0.9	75	3	10
SRI4	18	19	69.4	25.6	1.72	2	32	125	0.5	5	160	5	37	20	7	80	8	2	8.2	1.2	30	4	5
SRI4	19	20	67.8	27.3	2	2	8	480	0.8	2	165	5	29	30	5	120	8	1.5	6.7	0.8	40	4	5
SRI4	20	21	67.6	26.4	1.14	2	6	460	0.05	5	190	5	25	30	5	185	10	0.5	7.9	1.1	30	4	5
SRI4	21	22	71	24.5	1.29	2	2	590	0.2	2	150	2	30	20	5	170	10	0.2	9.3	1.3	25	4	10
SRI4	22	23	71.9	24.9	1	2	0.5	560	0.05	2	150	10	30	30	5	145	36	1.5	11.9	1.6	25	6	5
SRI4	23	24	74.2	22.8	1	2	0.5	630	0.05	2	135	10	32	20	5	175	28	0.5	12.5	1.5	25	6	10
SRI4	24	25	70.2	24.7	0.86	2	13	380	0.05	2	215	10	32	10	6	290	20	4	16.3	2.1	30	8	10
SRI4	25	26	70.1	24.6	1	2	14	315	0.05	2	195	10	32	15	5	185	30	1	21	2.6	50	12	5
SRI4	26	27	74.2	21.8	1.14	2	2	710	0.05	2	80	5	33	20	5	150	20	0.5	14.4	1.7	30	11	5
SRI4	27	28	76.4	22.5	1.14	30	3	740	0.05	2	105	5	34	30	5	135	18	0.5	13.9	1.8	15	11	5
SRI4	28	29	74.8	21	1.29	2	1	700	0.05	2	80	5	32	40	5	90	22	2	12.4	2.1	15	9	10
SRI4	29	30	72.8	19.6	1.29	2	1	780	0.05	2	60	5	32	45	5	100	26	1.5	10.6	1.5	20	10	10
SRI4	30	31	74.9	19.4	1.43	2	0.5	770	0.05	2	65	2	33	45	5	80	30	2.5	10.1	1.5	20	10	20
SRI4	31	32	74.7	20.3	1.43	2	19	710	0.05	2	70	5	32	45	5	35	28	2.5	8.9	1.6	15	9	10
SRI4	32	33	75.6	19.8	1.43	2	465	740	0.05	2	70	2	32	35	5	25	22	2.5	9.8	1.9	15	8	10
SRI4	33	34	74.7	19.9	1.43	2	8	740	0.05	2	70	2	32	45	5	15	20	1	9	1.6	20	8	5
SRI4	34	35	73.7	19.8	1.43	10	7	770	0.05	2	65	5	33	45	5	30	24	1.5	9.4	1.9	20	8	10
SRI4	35	36	72.8	19.9	1.29	2	28	720	0.05	2	70	5	32	40	5	40	22	1	9.2	1.7	15	8	20
SRI4	36	37	66.7	26.5	1.14	2	11	365	0.2	2	140	10	34	20	5	70	22	1	13	2.9	30	9	10

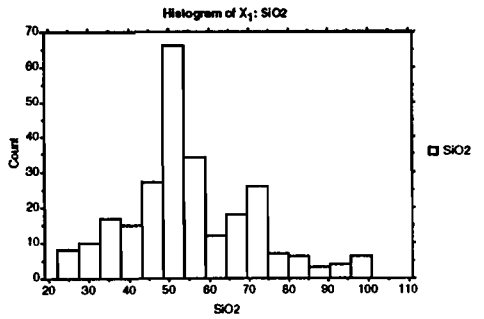
DHole	From	To	SiO2	Al2O3	Fe2O3	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	%	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SRI4	37	38	72.6	19.7	1.57	2	19	730	0.05	2	105	5	33	45	5	50	32	1	10.1	2.4	25	7	10
SRI4	38	39	69	22.6	1.43	2	2	450	0.05	2	160	15	32	25	6	65	42	1	11.8	3.6	30	9	5
SRI4	39	40	72.4	19.3	1.29	25	5	820	0.05	2	75	5	36	25	5	25	22	0.5	9.5	2.2	15	7	10
SRI6	0	1	70.7	13.2	9.29	10	118	430	0.6	10	400	65	21	265	7	100	52	1	10.1	2.1	205	13	30
SRI6	1	2	52.2	17.1	16.01	10	23	430	0.05	50	550	100	26	770	5	175	20	1	7.5	1.2	350	32	40
SRI6	2	3	31.5	15.4	35.46	20	37	190	0.05	20	1400	105	30	465	5	150	16	1	8.4	1	840	11	40
SRI6	3	4	36.7	15.3	31.74	20	26	270	0.05	20	1150	115	29	390	5	135	18	1	8.1	1.1	770	11	30
SRI6	4	5	40.4	15.6	27.88	15	27	225	0.05	20	980	90	25	285	5	125	16	0.5	9.2	0.9	600	9	30
SRI6	5	6	41	15.7	29.59	15	21	155	0.05	20	1150	80	26	295	3	125	16	0.2	9.6	1	590	9	20
SRI6	6	7	37.5	15	32.6	20	24	185	0.1	20	1400	95	28	360	4	135	20	1.5	11.4	1.3	720	11	30
SRI6	7	8	48.6	16.5	21.3	15	14	120	0.05	20	1200	65	25	180	9	130	14	2	10.3	1.3	480	9	20
SRI6	8	9	52.4	20.5	10.87	10	30	95	0.05	40	700	70	23	150	10	230	14	1	10.1	1.3	250	14	10
SRI6	9	10	52.5	21.3	9.44	5	104	75	0.3	50	600	75	23	160	11	275	14	1	10.8	1.3	230	18	5
SRI6	10	11	37.2	24.6	17.73	15	99	750	0.2	70	3950	45	38	170	8	500	18	3	15.1	4.3	375	13	5
SRI6	11	12	37.2	24.7	17.44	15	920	140	0.8	40	3600	30	35	80	7	475	12	3.5	14.7	3.8	370	9	10
SRI6	12	13	44	23.3	16.16	5	1735	185	0.7	45	2500	25	32	105	6	445	8	1.5	9	3.2	290	6	5
SRI6	13	14	60.4	16.9	9.15	20	930	60	0.9	20	1150	20	19	90	4	230	6	1.5	6	1.5	110	3	5
SRI6	14	15	86.4	7.2	1.72	20	2350	60	0.05	10	355	5	9	25	1	85	4	1	2.5	0.5	15	2	5
SRI6	15	16	88.9	5.25	1	5	356	70	0.05	5	215	2	6	20	2	60	8	0.2	1.1	0.3	15	0.5	5
SRI6	16	17	95	2.6	0.57	2	750	40	0.05	2	125	5	3	100	0.5	30	10	0.2	0.7	0.1	10	0.5	20
SRI6	17	18	87.3	8.55	0.86	2	12400	245	0.05	2	185	5	9	25	1	95	18	1	2.1	0.4	0.05	1	5
SRI6	18	19	84.4	9.85	0.71	2	2950	255	0.2	2	180	10	11	25	1	100	18	0.2	2.7	0.6	10	1	5
SRI6	19	20	91	6.1	0.57	2	27000	125	0.05	2	115	2	7	20	0.5	55	12	1	1.7	0.2	0.05	0.5	5
SRI6	20	21	100	1.85	0.43	2	2550	110	1.2	2	105	2	2	25	1	15	10	0.2	0.7	0.01	0.05	0.5	5
SRI6	21	22	100	1.9	0.43	2	20000	40	0.05	20	105	2	2	15	0.5	20	8	2.5	0.7	0.1	0.05	0.5	5
SRI6	22	23	100	2	0.57	2	13500	40	0.05	2	130	5	2	25	0.5	25	14	1.5	0.45	0.01	0.05	0.5	5
SRI6	23	24	100	2.5	0.43	2	12900	60	0.9	2	90	2	2	25	4	35	10	1	0.9	0.1	5	1	5
SRI6	24	25	100	2.2	0	2	8950	0.05	0.05	2	40	2	0.01	0.05	1	0.05	1	0.2	0.02	0.01	0.05	0.5	5
SRI6	25	26	97.9	7.25	0.71	2	10300	90	2.1	2	150	2	7	20	0.5	65	8	0.2	3.1	0.2	5	1	5
SRI6	26	27	71.6	24.3	1.14	2	3700	65	1.5	2	180	15	19	25	4	130	10	0.2	11.1	1.4	15	3	10
SRI6	27	28	80.2	17.3	1	2	16000	90	1.1	2	175	15	12	25	0.5	155	18	0.2	6.6	0.7	20	2	5
SRI6	28	29	77.2	19.2	0.71	2	490	740	1.2	2	130	10	25	25	3	45	10	0.2	9.5	1.4	20	3	5
SRI6	29	30	81	17.2	0.71	2	350	590	1.4	2	145	10	22	15	2	80	26	0.2	8.8	1.2	15	3	5
SRI6	30	31	70.2	22.1	1	2	1250	285	0.7	2	225	15	20	20	2	195	40	0.2	5.3	0.9	15	3	10
SRI6	31	32	65.7	24.8	0.86	10	690	135	1.5	10	375	15	13	40	11	200	70	0.2	3.6	0.9	25	4	20
SRI6	32	33	94.5	7.85	0.71	2	220	25	1	2	265	15	6	20	0.5	70	12	0.2	1.15	0.3	20	0.5	5

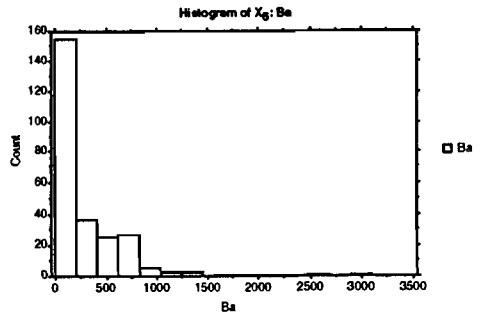
DHole	From	To	SiO2	Al2O3	Fe2O3	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
	m	m	%	%	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
SRI6	33	34	72.6	19.5	1.43	2	1230	305	1.3	2	200	5	22	40	4	90	36	0.2	9.4	1.8	15	6	10
SRI6	34	35	75.6	18.8	0.71	2	1205	950	0.4	2	110	2	31	35	5	145	46	0.2	9	1.2	15	6	5
SRI6	35	36	82.2	14.3	0.71	2	1275	670	0.05	2	125	5	23	35	3	120	32	0.2	6.8	1	15	4	5
SRI6	36	37	77.5	17.9	0.86	2	2200	600	0.9	2	95	2	26	45	3	135	46	0.2	9.2	1.4	20	6	10
SRI6	37	38	82.6	13.9	1	2	500	410	1	2	185	5	20	40	2	130	32	0.2	6.9	1.1	20	5	5
SRI6	38	39	91.2	10.6	1	2	372	365	0.05	2	195	2	16	35	1	70	30	0.2	5.7	0.9	10	5	10
SRI6	39	40	80.6	17.9	0.86	2	430	780	0.3	2	180	10	28	30	3	160	44	0.2	9.1	1.4	15	9	5

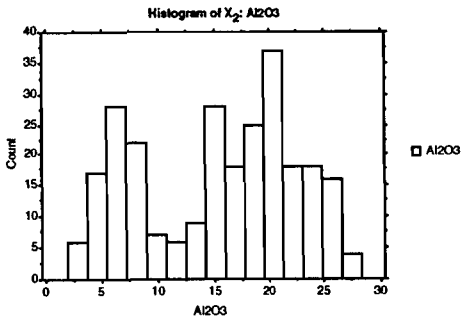
APPENDIX S2

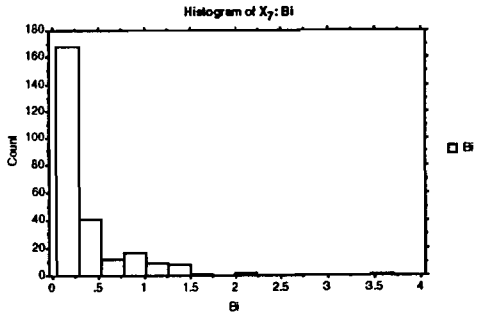
FREQUENCY DISTRIBUTION HISTOGRAMS
STELLAR ORIENTATION SURVEY

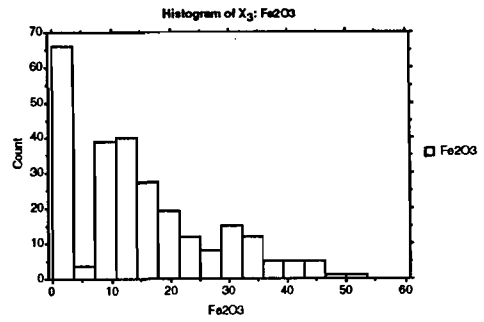
refer to Appendix S1 for data
n=259

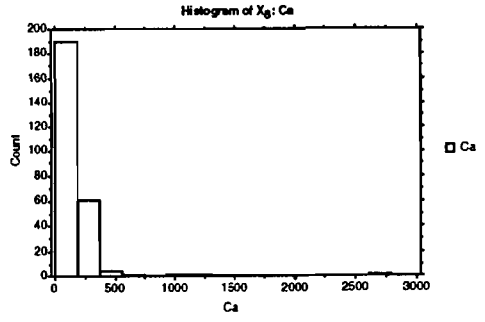

Histogram of X1: SiO2
Count
SiO2
SiO2

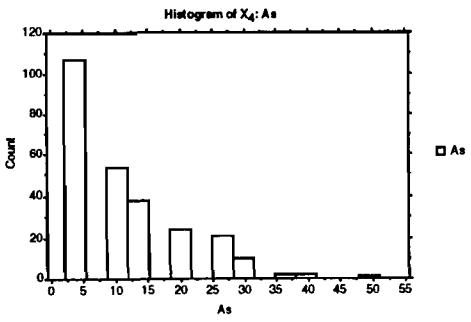

Histogram of X6: Ba
Count
Ba
Ba

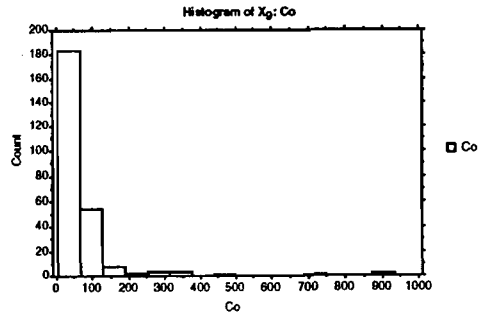

Histogram of X2: Al2O3
Count
Al2O3
Al2O3

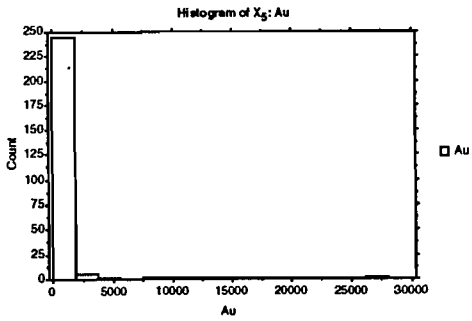

Histogram of X7: Bi
Count
Bi
Bi

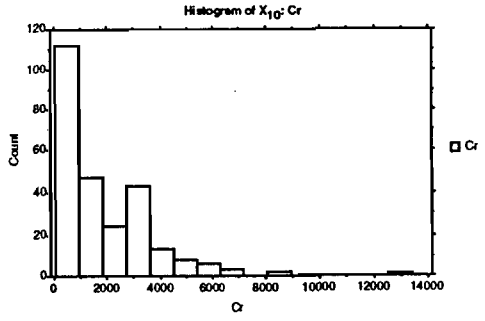

Histogram of X3: Fe2O3
Count
Fe2O3
Fe2O3

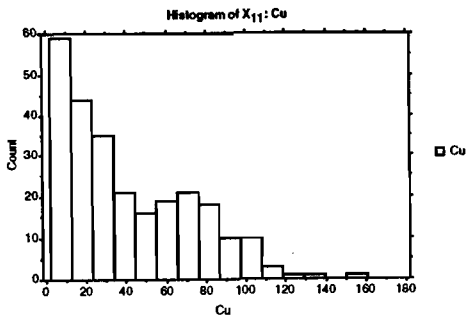

Histogram of X8: Ca
Count
Ca
Ca

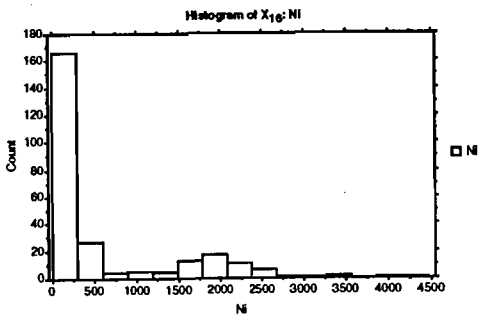

Histogram of X4: As
Count
As
As

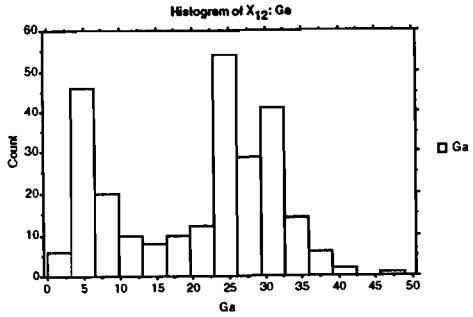

Histogram of X9: Co
Count
Co
Co

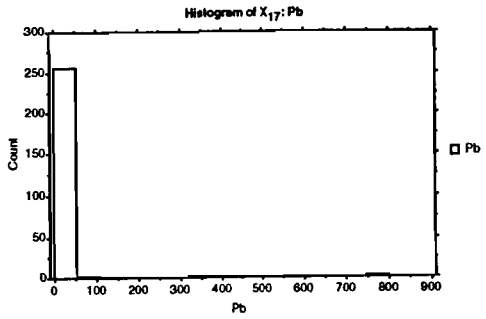

Histogram of X5: Au
Count
Au
Au

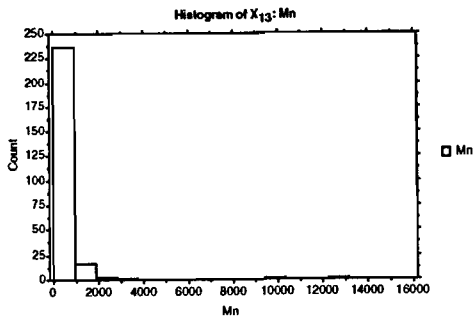

Histogram of X10: Cr
Count
Cr
Cr

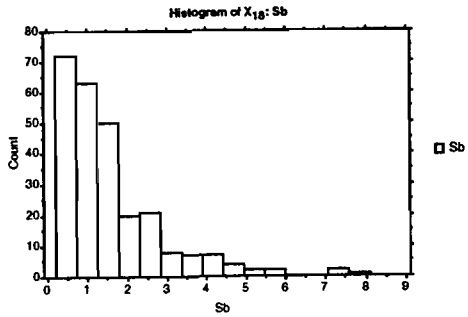

Histogram of X11: Cu
Count
Cu
Cu

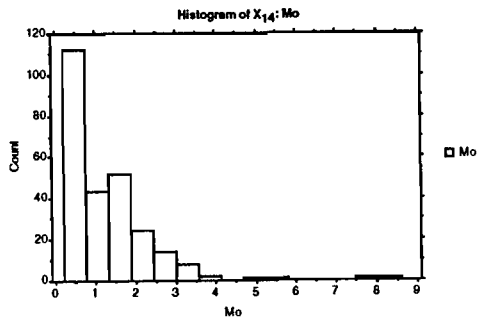

Histogram of X16: Ni
Count
Ni
Ni

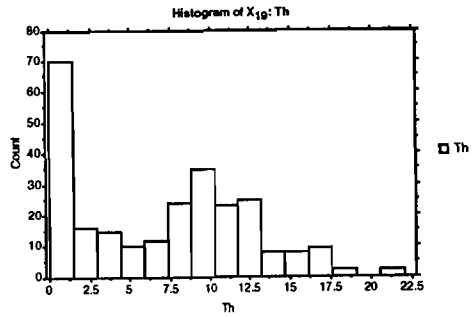

Histogram of X12: Ga
Count
Ga
Ga

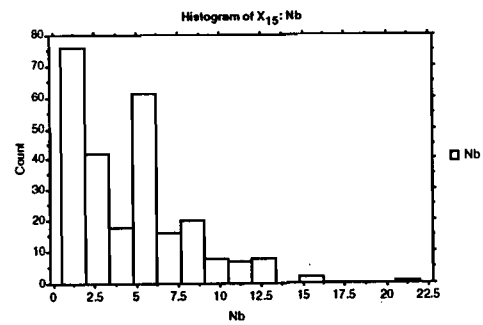

Histogram of X17: Pb
Count
Pb
Pb

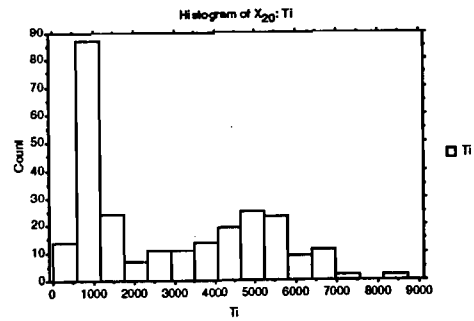

Histogram of X13: Mn
Count
Mn
Mn

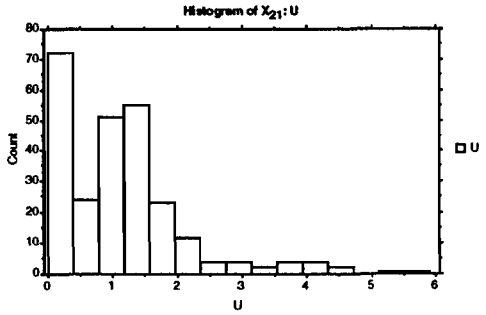

Histogram of X18: Sb
Count
Sb
Sb

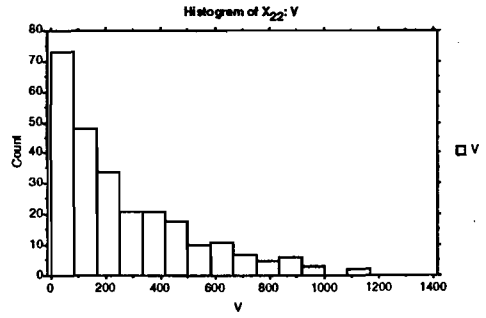

Histogram of X14: Mo
Count
Mo
Mo

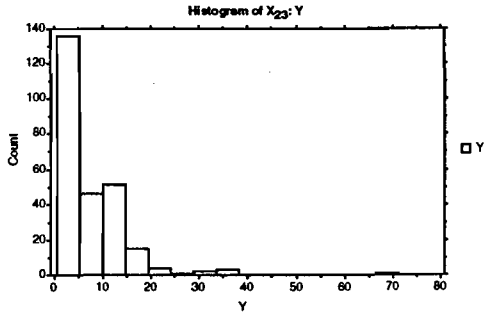

Histogram of X19: Th
Count
Th
Th

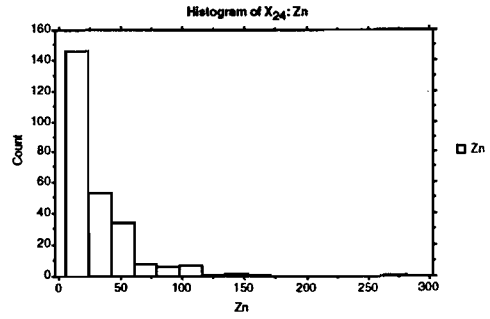

Histogram of X15: Nb
Count
Nb
Nb

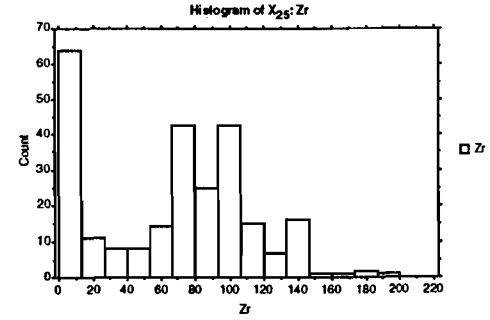

Histogram of X20: Ti
Count
Ti
Ti


Histogram of X21: U
Count
U
U


Histogram of X22: V
Count
V
V


Histogram of X23: Y
Count
Y
Y


Histogram of X24: Zn
Count
Zn
Zn


Histogram of X25: Zr
Count
Zr
Zr

APPENDIX S3

SPEARMAN RANK CORRELATION MATRIX
STELLAR ORIENTATION SURVEY

refer to Appendix S1 for data
n=259

STELLAR
SPEARMAN RANK CORRELATION MATRIX
Raw Data

	Si	Al	Fe	As	Au	Ba	Bi	Co	Cr	Cu	Ga	Mn	Nb	Ni	Pb	Sb	Th	U	V	Y	Zn
Si	1.00																				
Al	-0.03	1.00																			
Fe	-0.89	-0.05	1.00																		
As	-0.68	-0.10	0.78	1.00																	
Au	0.01	-0.23	0.07	0.19	1.00																
Ba	0.10	0.30	-0.05	0.00	-0.13	1.00															
Bi	-0.10	0.30	0.09	0.04	0.02	0.08	1.00														
Co	-0.49	-0.52	0.47	0.39	0.14	-0.36	-0.25	1.00													
Cr	-0.66	-0.36	0.64	0.57	0.28	-0.39	-0.17	0.83	1.00												
Cu	-0.66	0.06	0.75	0.57	-0.08	-0.04	0.23	0.27	0.28	1.00											
Ga	-0.09	0.69	0.12	0.04	-0.30	0.58	0.23	-0.55	-0.40	0.14	1.00										
Mn	-0.67	-0.37	0.68	0.57	-0.03	0.03	-0.07	0.70	0.59	0.58	-0.24	1.00									
Nb	-0.20	0.64	0.22	0.11	-0.28	0.31	0.38	-0.40	-0.34	0.45	0.69	-0.04	1.00								
Ni	-0.37	-0.38	0.28	0.27	0.14	-0.41	-0.25	0.88	0.82	0.10	-0.55	0.50	-0.42	1.00							
Pb	0.06	0.42	0.06	0.07	0.02	0.55	0.29	-0.53	-0.42	0.23	0.62	-0.19	0.54	-0.54	1.00						
Sb	-0.56	-0.03	0.56	0.49	0.10	-0.05	-0.04	0.31	0.50	0.31	0.11	0.38	0.16	0.28	0.00	1.00					
Th	-0.22	0.62	0.31	0.23	-0.13	0.46	0.41	-0.45	-0.31	0.44	0.72	-0.03	0.75	-0.50	0.77	0.12	1.00				
U	-0.17	0.65	0.24	0.22	-0.09	0.53	0.34	-0.41	-0.24	0.28	0.75	-0.09	0.69	-0.39	0.74	0.20	0.87	1.00			
V	-0.85	0.08	0.95	0.72	0.03	-0.03	0.17	0.34	0.51	0.83	0.22	0.60	0.39	0.18	0.18	0.53	0.44	0.34	1.00		
Y	-0.34	0.25	0.40	0.31	-0.26	0.50	0.19	-0.07	-0.17	0.55	0.52	0.38	0.55	-0.20	0.54	0.16	0.68	0.57	0.47	1.00	
Zn	-0.28	-0.60	0.37	0.33	-0.04	-0.09	-0.29	0.68	0.52	0.28	-0.45	0.67	-0.40	0.56	-0.34	0.13	-0.37	-0.40	0.24	0.10	1.00

DATA DISC

Type README.DOC for contents and format