

Calcrete sampling, Hawks Nest Prospect, highlighting the mineral potential

REPORT BOOK 99/00024

by

BRIAN J. MORRIS
MARK W. FLINTOFT
Mineral Assessment Branch
Mineral Resources Group

OCTOBER, 1999



PRIMARY INDUSTRIES
AND RESOURCES SA

© Department of Primary Industries and Resources South Australia

This report is subject to copyright. Apart from fair dealing for the purposes of study, research, criticism or review as permitted under the Copyright Act, no part may be reproduced without written permission of the Chief Executive of Primary Industries and Resources South Australia

**PRIMARY INDUSTRIES AND RESOURCES
SOUTH AUSTRALIA**

REPORT BOOK 99/00024

CONTENTS	PAGE
INTRODUCTION	3
REGIONAL SETTING	3
MINERALISATION	3
CALCRETE SAMPLING	4
ORIENTATION SURVEY	4
METHOD	5
RESULTS	5
NORTH GRID	5
WEST GRID	5
DETAILED GRIDS	5
CONCLUSIONS	6
REFERENCES	6
PLATES	
1. Soil profile orientation sample site A (Photo 047050)	9
2. Auger sampling of calcrete at Hawks Nest (Photo 047049)	9
FIGURES	
1. Hawks Nest Prospect, Location and Regional Geology (<i>Plan No. 2000023–028</i>)	7
2. Calcrete Sampling Grids, Drillhole Locations and Magnetic Contours (<i>Plan No. 2000023–029</i>)	8
APPENDICES	
1. Sample line and drillhole data	10
2. Calcrete sampling assay results	40
3. North Grid contour plans for: Au, Ag, As, Ca and Cu.	77
4. West Grid contour plans for: Au, Ag, As, Ca and Cu.	83
5. Detailed HKN 4 Grid contour plans for: Au, Ag, As, Ca and Cu.	89
6. Detailed HKN 53 Grid contour plans for: Au, Ag, As, Ca and Cu.	95
7. Detailed HKN 99 Grid contour plans for: Au, Ag, As, Ca and Cu.	101

CALCRETE SAMPLING, HAWKS NEST PROSPECT HIGHLIGHTING THE MINERAL POTENTIAL

Brian J. Morris (Principal Geologist, Mineral Assessment, Mineral Resources Group, PIRSA)
Mark W Flintoft (Technical Officer, Mineral Assessment, Mineral Resources Group, PIRSA)

INTRODUCTION

As part of the South Australian Steel and Energy Project (SASE), Mines and Energy South Australia (MESA) completed an exploration program for iron ore at the Hawks Nest Prospect during 1995 and 1996 (Morris, Davies and Newton, 1998). Along with detailed magnetic and gravity surveys the program included 110 RC-hammer drill holes. Analysis of the drill cuttings revealed some highly anomalous Au, Cu, Pb and Zn values (Davies, Morris and Crettenden, 1997) which prompted a calcrete sampling program, in 1997, to test the precious and base metal potential of the iron ore prospect.

REGIONAL SETTING

Hawks Nest Prospect, situated on the Gawler Craton, is adjacent to the Stuart Highway approximately 125 km south of Coober Pedy and 400 km north of Port Augusta. (Fig. 1)

The area is arid to semi-arid with vegetation consisting of salt bush, blue bush and stands of mulga.

Outcrop is sparse and limited to a few exposures of Palaeoproterozoic banded iron formation (BIF) in a gently undulating terrain covered by a few metres of Quaternary red-brown sandy ferruginous clay and up to 20 m of flat lying Cretaceous white, porcelaneous claystone and shale. The surface is littered with a distinctive lag of 'buckshot' ferruginous gravel and eroded BIF fragments, with the Quaternary clay containing similar fragments. Subsurface geology comprises a near vertical,

northeast trending, Palaeoproterozoic meta-sedimentary sequence of BIF, metasiltstone, conglomerate, calc-silicate, basalt and carbonate layers. The sequence is folded and disrupted by the northeast trending Bulgunnia Shear Zone and northwest trending brittle faults and basic dykes of the Gairdner Dyke Swarm. The block of Palaeoproterozoic meta-sediments is surrounded by Archaean granulite facies Mulgathing Complex with Mesoproterozoic Hiltaba Suite granite intrusions.

MINERALISATION

RC-hammer drill hole locations are shown on Figure 2. The drill holes were designed to test magnetic and gravity features for iron ore. Of the 110 drill holes, 58 returned anomalous gold (>10 ppb), 19 returned anomalous lead (>160 ppm), 33 returned anomalous zinc (>300 ppm) and 5 returned anomalous copper (>170 ppm).

Significant intersections included:

HKN 4,	16 m @ 332 ppb Au from 88 m (including 2 m @ 935 ppb Au)
HKN11,	2m @ 760 ppm Pb, 2720 ppm Zn and 170 ppm Cu from 100 m
HKN18,	18m @ 659 ppm Pb, 3883 ppm Zn, and 5 ppm Ag from 116 m (including 2 m @ 1.15% Zn)
HKN38,	12m @ 63 ppb Au, 4866 ppm Pb, 4776 ppm Zn, 6475 ppm Cu and 41 ppm Ag from 68 m.
HKN 53,	16m @ 235 ppb Au from 40 m (including 4 m @ 586 ppb Au)

HKN88, 4 m @ 2230 ppm Pb, 1520 ppm Zn and 3 ppm Ag from 96 m
HKN99, 4 m @ 4286 ppb Au from 84 m

analysed for Ca, Fe, Mn, Mg, As, Co, V, Zn, Pb, Ni, Cr and P. The ultra low gold detection limit allows confidence in the interpretation of values in the 1-10 ppb range.

CALCRETE SAMPLING

ORIENTATION SURVEY

Calcrete in the Hawks Nest area is generally poorly developed and comprises a friable layered calcareous horizon up to 1 m thick and 10 to 50 cm below the surface (photo 1).

Orientation samples were collected from trenches dug at 2 sites (A and B) and analysed by Amdel Ltd for Au, Ag and Cu by a low detection cyanide leach method with detection limits of 0.05 ppb Au, 0.5 ppb Ag and 0.1 ppm Cu. Samples were also

Site A was an unmineralised area while Site B was above drill hole HKN 99 which intersected 4 m of 4 g/t Au. Results are presented in **Table 1**.

Site A gave up to 1.6 ppb Au in the upper calcareous zone and probably reflects a background value while the maximum value at Site B was 5.4 ppb Au and indicates that gold in calcrete is reflecting underlying mineralisation. Au, Ag, As, Cu, Fe, Mn, Ca and Mg were selected for the full calcrete sampling program.

Table 1.

Orientation Calcrete Samples			
Depth (cm)	Au (ppb)	Ca (%)	Lithology
Site A			
0-20	0.6	0.18	red-brown silt-clay
20-40	1.2	0.33	red-brown clay-silt
40-50	1.6	1.45	platy friable calc, r-b silt
50-60	1.5	1.20	as above
60-70	1.5	3.40	as above
70-80	1.2	1.70	as above
80-90	0.45	0.98	as above less calcareous
90-100	1.2	1.05	as above
Site B			
0-20	2.1	13.0	brown silt, ironst. & carbonate
20-30	4.5	21.0	platy calc, brown silt
30-40	5.4	18.0	as above
40			BIF

METHOD

Two main areas were selected for calcrete sampling, a northern grid and western grid (Fig. 2).

North Grid – 17 north-south lines 2600 m long, 400 m apart with a 100 m sample interval.

West Grid – 11 east-west lines 2000 m long, 400 m apart with a 100 m sample interval.

North Grid (Appendix 3)

Significant gold anomalies occur in the southwestern area of the grid, with a high of 98 ppb Au supported by values of up to 24 ppb Au. Anomalous copper is generally associated with the gold anomalies.

A strongly anomalous area of silver values up to 1500 ppb against a background 12 ppb, associated

Table 2. Median Metal Values In Calcrete

Au	Ag	As	Cu	Mn	Fe	Ca	Mg
(ppb)	(ppb)	(ppm)	(ppm)	(ppm)	(%)	(%)	(%)
1.3	12	10	14	125	4.5	7	0.8

In addition, detailed grids were completed over three drill holes that intersected significant gold mineralisation:

HKN 4, a 200 m square grid with 50 m sample spacing

HKN 53, a 200 m square grid with 50 m sample spacing

HKN 99, a 500 m square grid with 50 m sample spacing

Sampling was by McLeod Drilling and Exploration using a Toyota Landcruiser mounted EDSON CP.2 auger rig which drilled 893 auger holes for 762 samples (Photo 2). Due to poor access samples were not be collected from low lying swampy areas. One kilogram samples were collected from the +5 mm and/or the +2 mm sieve fraction over the length of the calcrete horizon and tested with dilute HCl for carbonate reaction.

RESULTS

Contoured plans of gold, silver, arsenic, calcium and copper values is shown in Appendices 3, 4, 5, 6 and 7 and median values for all elements is presented on **Table 2**.

Due to the low trace metal content of the calcrete sampling medium anomalous values were taken as the median plus one standard deviation: Au 3 ppb, Ag 60 ppb, As 20 ppm and Cu 20 ppm.

with arsenic values up to 42 ppm, occurs along the southern part of the grid. The area corresponds to significant base metal values intersected in drill holes HKN 11 (up to 2720 ppm Zn, 760 ppm Pb and 170 ppm Cu) and HKN 40 (up to 1893 ppm Zn, 270 ppm Pb, 230 ppm Cu and 4 ppm Ag).

West Grid (Appendix 4)

Significant anomalies include:

A gold anomaly of 6.6 ppb, with associated copper anomalies up to 34 ppm and arsenic up to 29 ppm, in the southern part of the grid.

A gold anomaly of up to 12 ppb, with an associated copper anomaly up to 26 ppm, in the northwestern part of the grid.

Detailed Grids

Grid HKN 4, eight anomalous gold values up to 53 ppb, with associated silver anomalies up to 127 ppb and arsenic up to 40 ppm (Appendix 5).

Grid HKN 53, weakly anomalous copper (up to 22 ppm) and silver (up to 24 ppb), but no anomalous gold values (Appendix 6).

Grid HKN 99, 50 anomalous gold values up to 8.9 ppb, with associated silver (up to 208 ppb), arsenic (up to 88 ppm) and copper (up to 41 ppm) anomalies (Appendix 7).

CONCLUSIONS

Calcrete at the Hawks Nest Prospect was generally found to be an effective sampling medium for gold mineralisation. Orientation sampling showed up to 5.4 ppb Au in calcrete over known gold mineralisation against a background of 1.3 ppb Au. Anomalous copper and, to a lesser extent, arsenic and silver are generally associated with anomalous gold values.

The poor geochemical response from detailed Grid HKN 53 may be due to a lack of extent and/or intensity of gold mineralisation.

Several significant gold anomalies, up to 98 ppb Au in the north grid and up to 8.9 ppb Au in the west grid, were located and further investigations of these areas is recommended.

Anomalous silver in calcrete with associated arsenic was found to be a possible indicator of base metal mineralisation which has important implications for mineral exploration.

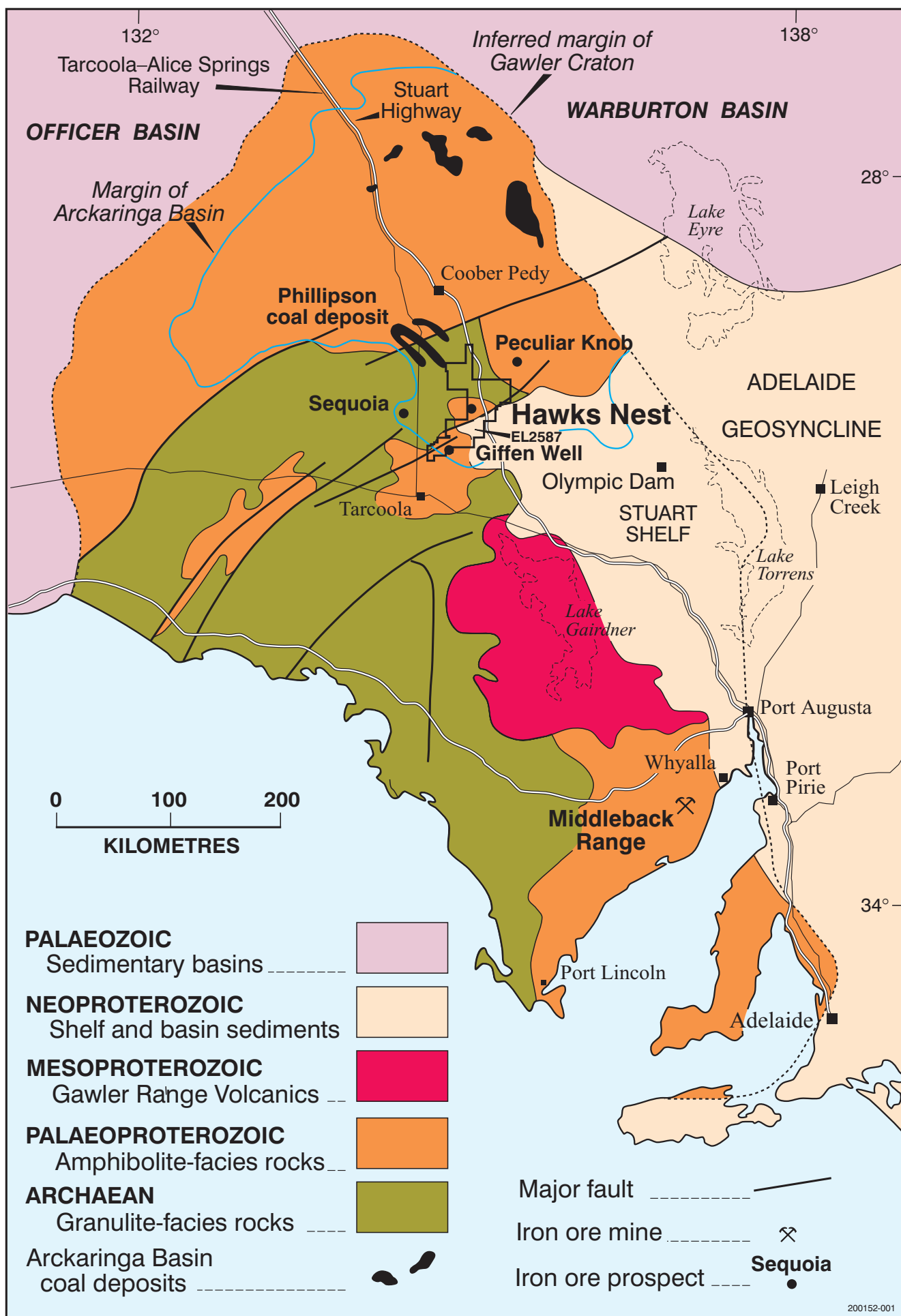
The iron ore drilling and calcrete sampling have highlighted the potential of the area for precious and base metal mineralisation.

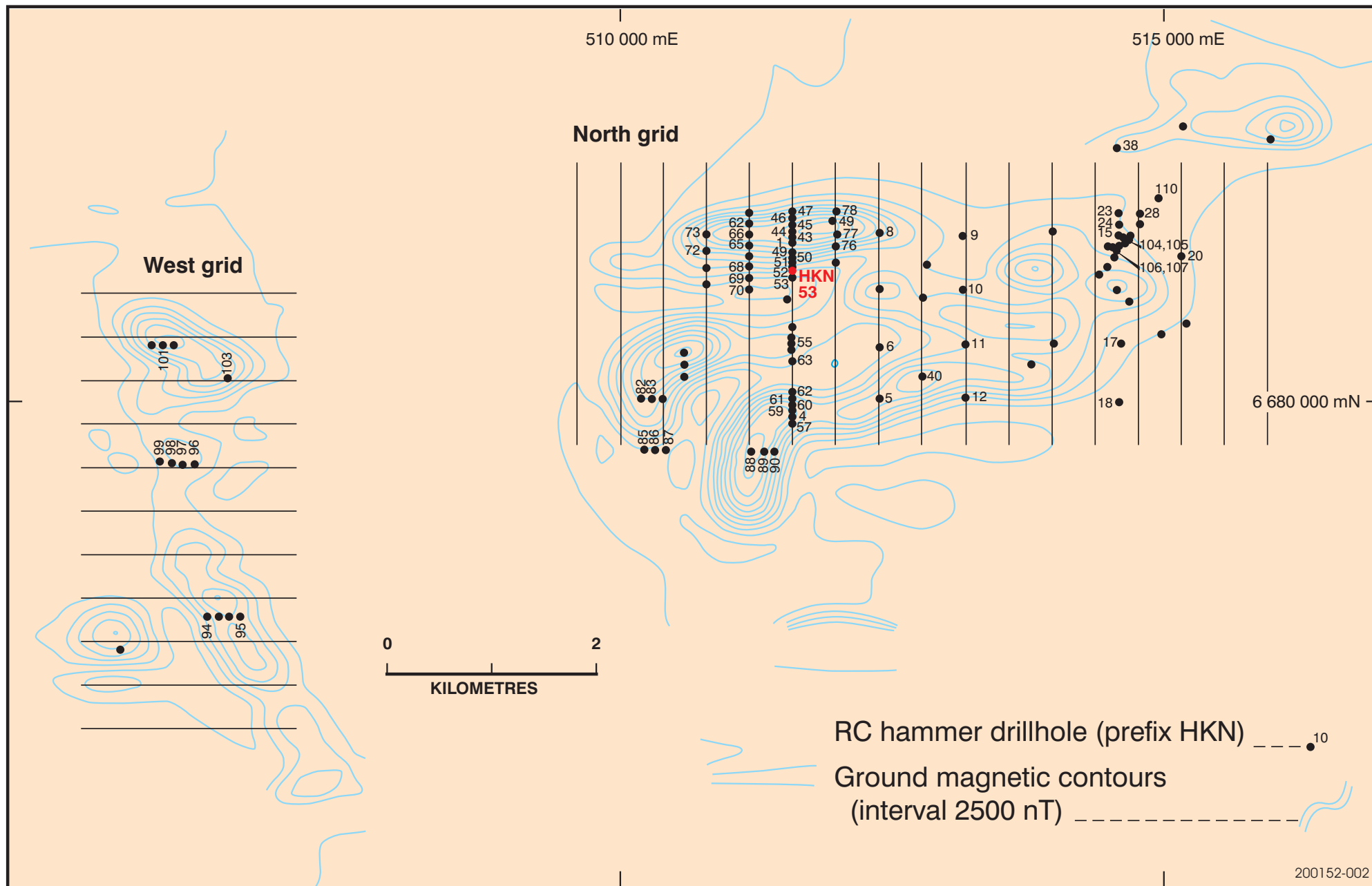
For further information contact Brian Morris (ph 08 8463 3127)

REFERENCES

Morris, B.J., Davies, M.B. and Newton, A.W., 1998. Iron ore deposits of the northern Gawler Craton. *In: Berkman D.A. and Mackenzie D.H. (Eds), Geology of Australian and Papua New Guinean Mineral Deposits. Australasian Institute of Mining and Metallurgy. Monograph Series, 22:401-406.*

Davies, M.B., Morris, B.J. and Crettenden, P.P., 1997. South Australian Steel and Energy Project, Coober Pedy iron ore investigation, Hawks Nest Prospect. *South Australia. Department of Mines and Energy Resources. Report Book, 97/11.*







Soil profile orientation sample site A

(Photo 047050)



Auger sampling of calcrete at Hawks Nest

(Photo 047049)

Appendix 1.

Sample line and drillhole data

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
509600E	1	0.35	185741	79600	53J	509605	6679599	171.7	CAL DH	surface ironstone
NORTHGRID	2	0.6	185742	79700	53J	509606	6679702	169.5	CAL DH	surface ironstone
	3	1.2	185743	79800	53J	509594	6679798	173.2	CAL DH	surface ironstone
	4	1.5	185744	79900	53J	509600	6679904	172.4	CAL DH	surface ironstone
	5	1.8	185745	80000	53J	509592	6680002	169.9	CAL DH	sandy
	6	1.8	185746	80100	53J	509601	6680103	169.9	CAL DH	good reaction to acid
	7	1.8	185747	80200	53J	509595	6680204	172.6	CAL DH	good reaction to acid
	8	1.6	185748	80300	53J	509600	6680296	165.1	CAL DH	good reaction to acid
	9	1.7	185749	80400	53J	509599	6680404	166.1	CAL DH	sandy
	10	1.5	185750	80500	53J	509599	6680498	166.6	CAL DH	ironstone surface
	11	1	185751	80600	53J	509595	6680604	172.5	CAL DH	ironstone surface
	12	1.6	185752	80700	53J	509594	6680699	167.1	CAL DH	sandy
	13	1.7	185753	80800	53J	509604	6680803	171.6	CAL DH	ironstone surface
	14	2.2	185754	80900	53J	509599	6680899	167.6	CAL DH	ironstone surface
	15	1.8	185755	81000	53J	509597	6681003	166.3	CAL DH	surface sand
	16	2.4	185756	81100	53J	509596	6681099	168.4	CAL DH	poor reaction to acid
	17	1.8	185757	81200	53J	509598	6681202	168.4	CAL DH	good coarse calcrete
	18	0.5	185758	81300	53J	509600	6681298	168.6	CAL DH	poor sample
	19	0.4	185759	81400	53J	509605	6681403	167.9	CAL DH	granite o/c,sand
	20	0.4	185760	81500	53J	509605	6681507	163.9	CAL DH	granite o/c,sand
	21	1.2	185761	81600	53J	509605	6681599	168.5	CAL DH	sandy quartz
	22	1.7	185762	81700	53J	509600	6681705	167.5	CAL DH	sandy quartz
	23	1.7	185763	81800	53J	509611	6681800	166.4	CAL DH	sandy ,ironstone pebs.
	24	1.8	185764	81900	53J	509603	6681902	164.7	CAL DH	sandy quartz
	25	0.3	185765	82000	53J	509598	6682002	163	CAL DH	sandy ironstone
	26	0.2	185766	82100	53J	509588	6682101	165.4	CAL DH	sandy ironstone
	27	0.2	185767	82200	53J	509602	6682196	164.1	CAL DH	sandy siltstone
510000E	1	1	185769	79600	53J	509996	6679595	175.4	CAL DH	sandy
	2	0.2	185770	79700	53J	509997	6679703	175.6	CAL DH	sandy ironstone
	3	0.3	185771	79800	53J	510004	6679791	173.9	CAL DH	sandy ironstone
	4	0.5	185772	79900	53J	510004	6679905	176.9	CAL DH	sandy ironstone
	5	1.3	185773	80000	53J	510003	6679999	175.3	CAL DH	sandy ironstone
	6	0.6	185774	80100	53J	510004	6680103	171.4	CAL DH	sandy ironstone

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	7	0.8	185775	80200	53J	510004	6680198	176.7	CAL DH	sandy ironstone
	8	0.7	185776	80300	53J	509999	6680303	174.8	CAL DH	sandy ironstone
	9	1.8	185777	80400	53J	509999	6680398	173.4	CAL DH	sandy ironstone
	10	1.7	185778	80500	53J	510001	6680497	173.2	CAL DH	sandy ironstone
	11	1.7	185779	80600	53J	510015	6680598	168.9	CAL DH	sandy ironstone
	12	1.6	185780	80700	53J	509993	6680704	171.8	CAL DH	sandy ironstone
	13	1.7	185781	80800	53J	509998	6680799	169.4	CAL DH	sandy ironstone
	14	1.7	185782	80900	53J	510022	6680902	166.4	CAL DH	sandy ironstone
	15	1.8	185783	81000	53J	509999	6681003	168.8	CAL DH	sandy ironstone
	16	2.4	185784	81100	53J	509993	6681098	165.4	CAL DH	sandy ironstone
	17	1.5	185785	81200	53J	510005	6681200	169.2	CAL DH	calcrete - silcrete?
	18	1.7	185786	81300	53J	510007	6681298	166	CAL DH	ironstone pebbles
	19	1.5	185787	81400	53J	509996	6681402	169.1	CAL DH	sandy silcrete
	20	1.8	185788	81500	53J	509989	6681503	166.6	CAL DH	poor sample - silstone
	21	1.8	185789	81600	53J	509997	6681604	164	CAL DH	good calcrete show
	22	2.4	185790	81700	53J	509987	6681702	165.1	CAL DH	sandy,silcrete,ironstone
	23	1.4	185791	81800	53J	510005	6681803	164.7	CAL DH	claypan,calcrete
	24	0.3	185792	81900	53J	509998	6681896	175.7	CAL DH	sandy
	25	0.6	185793	82000	53J	509998	6682002	183.1	CAL DH	sandy
	26	0.5	185794	82100	53J	509997	6682081	183.1	CAL DH	clay - sand,ironstone
	27	0.6	185795	82200	53J	510006	6682196	179.9	CAL DH	sandy
510400E	1	0.8	185796	79600	53J	510402	6679595	168.2	CAL DH	ironstone frags on surf.
	2	0.5	185797	79700	53J	510399	6679702	174.7	CAL DH	ironstone frags on surf.
	3	0.4	185798	79800	53J	510395	6679796	171.1	CAL DH	sandy minor fe poor sam.
	4	1.6	185799	79900	53J	510411	6679898	175.6	CAL DH	sandy poor calcrete
	5	0.9	185800	80000	53J	510394	6680000	175.6	CAL DH	ironstone frags good cal.
	6	0.8	185801	80100	53J	510406	6680104	173.2	CAL DH	sandy calc.soil poor sam.
	7	0.6	185802	80200	53J	510402	6680197	176.7	CAL DH	ironstone rocks,good calc.
	8	0.7	185803	80300	53J	510401	6680305	176.6	CAL DH	ironstone rocks,good calc.
	9	1.2	185804	80400	53J	510399	6680398	178.4	CAL DH	ironstone rocks poor sam.
	10	0.6	185805	80500	53J	510396	6680495	169.5	CAL DH	ironstone rocks good sam.
	11	1.1	185806	80600	53J	510409	6680607	168.7	CAL DH	sand good calcrete
	12	1	185807	80700	53J	510395	6680699	169	CAL DH	sand fe pebs good calc.

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	13	0.8	185808	80800	53J	510402	6680794	169.9	CAL DH	sand fe pebs good calc.
	14	1.3	185809	80900	53J	510396	6680908	167	CAL DH	ironstone rocks good calc.
	15	2.1	185810	81000	53J	510395	6681003	168.4	CAL DH	sand fe pebs av.cal.,fe clay
	16	2.5	185811	81100	53J	510395	6681105	168	CAL DH	sand fe pebs ferrug clay av.calc.
	17	1.7	185812	81200	53J	510394	6681205	167.9	CAL DH	sand ironstone rocks av.-poor cal
	18	1.7	185813	81300	53J	510406	6681304	172.2	CAL DH	red silty clay min.fe pebs,poor cal
	19	1.7	185814	81400	53J	510406	6681399	168	CAL DH	red silty sand,poor calcrete
	20	0.8	185815	81500	53J	510401	6681498	165.6	CAL DH	red silty sand,poor calcrete
	21	1.7	185816	81600	53J	510400	6681601	165.6	CAL DH	red silt sand poor calc. fe.crete
	22	0.5	185817	81700	53J	510406	6681695	166	CAL DH	red silt sand poor sam siltstone
	23	1.9	185818	81800	53J	510412	6681804	169.4	CAL DH	red silt sand poor sam siltstone
	24	0.8	185819	81900	53J	510399	6681896	166.4	CAL DH	red silt sand good calcrete
	25	0.6	185820	82000	53J	510399	6682002	161.6	CAL DH	red silt sand qtz+fest.rocks av.cal.
	26	0.5	185821	82100	53J	510403	6682104	168.3	CAL DH	red silt sand av.calcrete
	27	0.5	185822	82200	53J	510408	6682199	162.4	CAL DH	red sandy silt fe.pebs good-av.cal.
510800E	1	0.2	185823	79600	53J	510801	6679598	174	CAL DH	Fest-meta sed. s/st+qtz rocks
	2	0.3	185824	79700	53J	510800	6679696	174.4	CAL DH	calc.soil no calc.siltst.chips poor s.
	3	0.3	185825	79800	53J	510801	6679806	173.3	CAL DH	poor sam,siltst+calc chips+soil
	4	0.2	185826	79900	53J	510797	6679900	175	CAL DH	bad sam calc.soil no calc siltst
	5	0.3	185827	80000	53J	510798	6679801	174.1	CAL DH	poor sam siltst+calc chips and soil
	6	0.8	185828	80100	53J	510796	6680104	173	CAL DH	av. calc.chips reasonable sample
	7	0.8	185829	80200	53J	510799	6680204	169.1	CAL DH	poor av.calc.+ calc-ferricrete
	8	0.8	185830	80300	53J	510798	6680301	168.3	CAL DH	av.calc. Fe stone rocks
	9	0.5	185831	80400	53J	510802	6680394	167.2	CAL DH	Fe st rocks / av.calcrete
	10	0.7	185832	80500	53J	510799	6680501	169.9	CAL DH	Fe st rocks / good calcrete
	11	1.6	185833	80600	53J	510799	6680600	175.5	CAL DH	red sand + Fe st rocks / av calcrete
	12	1.3	185834	80700	53J	510798	6680701	175.4	CAL DH	Fe st rocks / av.calcrete
	13	1.6	185835	80800	53J	510797	6680799	175.3	CAL DH	Fe st rocks / av - good calcrete
	14	2.1	185836	80900	53J	510799	6680901	175.6	CAL DH	Fe st rocks + pebs. / av.cal + ferricrete chips
	15	1.6	185837	81000	53J	519798	6681001	175.5	CAL DH	Fe st rocks + pebs. / av.calcrete
	16	1.5	185838	81100	53J	510797	6681099	175.8	CAL DH	Fe st rocks + pebs / av.calcrete
	17	1.8	185839	81200	53J	510797	6681198	169.2	CAL DH	Fe st rocks + pebs / sandy ironstone

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	18	1.8	185840	81300	53J	510801	6681301	168.6	CAL DH	Fe st rocks + pebs / sandy ironstone
	19	2	185841	81400	53J	510796	6681399	169.9	CAL DH	red sandy ironstone / good calcrete
	20	2	185842	81500	53J	510797	6681500	168	CAL DH	red sandy ironstone / good calcrete
	21	2.1	185843	81600	53J	510798	6681598	164.4	CAL DH	red sand dunes
	22	2.5	185844	81700	53J	510802	6681699	164.1	CAL DH	red sand dunes
	23	1.7	185845	81800	53J	510799	6681797	164.3	CAL DH	red sand dunes poor calcrete
	24	1.3	185846	81900	53J	510798	6681899	161.9	CAL DH	clay pan - silcrete boulders
	25	1.7	185847	82000	53J	510799	6681998	168	CAL DH	clay pan - silcrete and quartz boulders
	26	1.3	185848	82100	53J	510797	6682101	161.4	CAL DH	clay pan - silcrete and quartz boulders
	27	1.4	185849	82200	53J	510796	6682200	159.3	CAL DH	clay sandy - silcrete and quartz rocks
511200E	1	0.4	185850	79600	53J	511204	6679600	171.8	CAL DH	ironstone - silcrete
	2	0.2	185851	79700	53J	511199	6679704	170.3	CAL DH	surface calcrete - poor reaction
	3	0.3	185852	79800	53J	511206	6679810	170.4	CAL DH	sand Fe pebs - surface calcrete
	4	0.2	185853	79900	53J	511203	6679907	169.2	CAL DH	acid reaction in fine dirt only - poor calcrete
	5	0.2	185854	80000	53J	511201	6680001	168.8	CAL DH	acid reaction in fine dirt only - poor calcrete
	6	0.2	185855	80100	53J	511202	6680099	168.4	CAL DH	sandy ironstone
	7	0.4	185856	80200	53J	511201	6680201	168	CAL DH	sandy soil - no reaction
	8	2.4	185857	80300	53J	511204	6680299	167.7	CAL DH	NO SAMPLE sandy soil weathered shales
	9	2	185858	80400	53J	511203	6680398	167.5	CAL DH	sandy soil - hard calcrete some Fe pebs.
	10	2.4	185859	80500	53J	511202	6680498	166.9	CAL DH	NO SAMPLE hard soil only
	11	2.2	185860	80600	53J	511200	6680601	166.7	CAL DH	sandy Fe pebs / good calcrete
	12	2.3	185861	80700	53J	511203	6680701	165.9	CAL DH	sandy Fe pebs / good calcrete
	13	2.6	185862	80800	53J	511199	6680805	165.4	CAL DH	sandy Fe pebs / good calcrete interval
	14	2.2	185863	80900	53J	511201	6680899	164.9	CAL DH	sandy Fe pebs / good calcrete interval
	15	2.2	185864	81000	53J	511200	6680999	164.4	CAL DH	sandy Fe pebs some silcrete good acid reaction
	16	2	185865	81100	53J	511201	6681102	163.8	CAL DH	sandy Fe pebs some silcrete good acid reaction

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	17	0.3	185866	81200	53J	511202	6681201	163.7	CAL DH	sandy Fe pebs
	18	2.3	185867	81300	53J	511203	6681298	163.4	CAL DH	NO SAMPLE no calcrete no reaction
	19	1.6	185868	81400	53J	511203	6681403	162.7	CAL DH	sandy some Fe pebs
	20	2.2	185869	81500	53J	511204	6681505	162.5	CAL DH	sandy some Fe pebs good acid reaction
	21	2	185870	81600	53J	511202	6681603	161.3	CAL DH	sandy Fe pebbles
	22	2	185871	81700	53J	511201	6681701	161.1	CAL DH	sandy Fe pebbles
	23	2.1	185872	81800	53J	511203	6681803	161.4	CAL DH	sandy good acid reaction in calcrete
	24	2	185873	81900	53J	511201	6681900	161.9	CAL DH	sandy good acid reaction in calcrete
	25	2.4	185874	82000	53J	511199	6682003	161.5	CAL DH	sandy silcrete and ironstone
	26	2.2	185875	82100	53J	511201	6682101	161.4	CAL DH	sandy some silcrete
	27	2.2	185876	82200	53J	511199	6682199	159.6	CAL DH	sandy some silcrete
511600E	1	0.2	185877	79600	53J	511601	6679601	167.4	CAL DH	sand some Fe pebs
	2	0.2	185878	79700	53J	511600	6679702	167.3	CAL DH	sand some Fe pebs poor reaction
	3	0.2	185879	79800	53J	511599	6679802	167.3	CAL DH	sand some Fe pebs silstone poor reaction
	4	0.2	185880	79900	53J	511602	6679907	167.6	CAL DH	surface silcrete - hard poor reaction
	5	0.6	185881	80000	53J	511601	6680007	170.8	CAL DH	surface silcrete - hard poor reaction
	6	0.4	185882	80100	53J	511601	6680102	168.8	CAL DH	surface silcrete - hard poor reaction
	7	0.6	185883	80200	53J	511599	6680200	169.7	CAL DH	sandy coarse calcrete
	8	1.2	185884	80300	53J	511603	6680308	173	CAL DH	sandy silcrete on surface
	9	1.2	185885	80400	53J	511596	6680402	171.2	CAL DH	Fe pebs sandy
	10	0.7	185886	80500	53J	511596	6680498	170.1	CAL DH	coarse Fe pebs sandy
	11	0.5	185887	80600	53J	511598	6680599	170	CAL DH	NO SAMPLE outcrop
	12	1	185888	80700	53J	511607	6680699	168.9	CAL DH	sandy Fe pebs coarse calcrete
	13	1.7	185889	80800	53J	511595	6680800	162.8	CAL DH	sandy good calcrete recovery good reaction
	14	1.8	185890	80900	53J	511594	6680892	165.8	CAL DH	sandy good calcrete recovery good reaction
	15	1.8	185891	81000	53J	511598	6681002	168.3	CAL DH	sandy good calcrete recovery good reaction
	16	2.2	185892	81100	53J	511603	6681103	166.4	CAL DH	sandy good calcrete recovery good reaction
	17	1.1	185893	81200	53J	511597	6681204	161.9	CAL DH	sandy good calcrete recovery good reaction

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	18	1	185894	81300	53J	511594	6681305	169.8	CAL DH	sandy good calcrete recovery good reaction
	19	1.2	185895	81400	53J	511597	6681405	166.4	CAL DH	sandy good calcrete recovery good reaction
	20	1.6	185896	81500	53J	511605	6681504	166.1	CAL DH	sandy good calcrete recovery good reaction
	21	1.3	185897	81600	53J	511603	6681603	163.5	CAL DH	sandy good calcrete recovery good reaction
	22	2.4	185898	81700	53J	511597	6681700	166.1	CAL DH	sandy good calcrete recovery good reaction
	23	2.5	185899	81800	53J	511600	6681798	162.1	CAL DH	sandy good calcrete recovery good reaction
	24	2	185900	81900	53J	511603	6681898	161.8	CAL DH	sandy clay and ironstone
	25	2.6	185901	82000	53J	511600	6681996	163.4	CAL DH	sandy clay and ironstone
	26	2.2	185902	82100	53J	511602	6682100	167.3	CAL DH	sandy clay and ironstone silcrete
	27	3	185903	82200	53J	511609	6682210	166.3	CAL DH	sandy soil poor recovery
512000E	1	1.8	185950	79600	53J	512004	6679604	167.1	CAL DH	NO SAMPLE outcrop
	2	1.3	185951	79700	53J	511992	6679705	168.2	CAL DH	sandy some Fe pebs good calcrete
	3	1.4	185952	79800	53J	512008	6679802	171.1	CAL DH	sandy some Fe pebs in hole
	4	0.4	185953	79900	53J	511997	6679908	168.2	CAL DH	sandy calcrete ok
	5	0.4	185954	80000	53J	512001	6680008	167.5	CAL DH	sandy calcrete ok
	6	0.8	185955	80100	53J	511995	6680111	170.7	CAL DH	sandy calcrete ok
	7	0.3	185956	80200	53J	511995	6680195	168.7	CAL DH	sandy silstone some Fe pebs in soil
	8	0.3	185957	80300	53J	512000	6680303	169.9	CAL DH	sandy silstone some Fe pebs in soil
	9	0.4	185958	80400	53J	512007	6680400	165.9	CAL DH	sandy ironstone
	10	0.4	185959	80500	53J	511994	6680512	163.3	CAL DH	sandy ironstone
	11	0.5	185960	80600	53J	512005	6680597	168.3	CAL DH	sandy ironstone
	12	0.6	185961	80700	53J	511998	6680694	167.1	CAL DH	sandy some Fe pebs mixed with calcrete
	13	0.5	185962	80800	53J	512001	6680819	166.8	CAL DH	as above poor calcrete
	14	1.6	185963	80900	53J	511994	6680904	169.7	CAL DH	as above poor calcrete
	15	1.3	185964	81000	53J	511999	6680999	164.3	CAL DH	sandy clay Fe pebs average calcrete
	16	1.6	185965	81100	53J	511988	6681106	165.9	CAL DH	sandy Fe pebs calcrete ok
	17	0.6	185966	81200	53J	511996	6681196	168.4	CAL DH	as above
	18	2.4	185967	81300	53J	511999	6681301	168.7	CAL DH	sand coarse ironstone

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	19	0.7	185968	81400	53J	512000	6681400	166.4	CAL DH	sandy coarse Fe pebs in hole
	20	1.8	185969	81500	53J	512000	6681505	162.5	CAL DH	sandy coarse Fe pebs in hole
	21	1.6	185970	81600	53J	511998	6681600	165.1	CAL DH	sandy coarse Fe pebs in hole
	22	1.7	185971	81700	53J	512002	6681704	162.1	CAL DH	sandy coarse Fe pebs in hole good calcrete
	23	1.8	185972	81800	53J	511998	6681806	162	CAL DH	sandy coarse Fe pebs in hole good calcrete
	24	2.9	185973	81900	53J	512003	6681897	167.1	CAL DH	sandy coarse Fe pebs in hole good calcrete
	25	2.8	185974	82000	53J	511997	6681999	168.5	CAL DH	sandy coarse Fe pebs in hole good calcrete
	26	3	185975	82100	53J	512006	6682101	164.9	CAL DH	NO SAMPLE sandy soil weathered shales
	27	4.5	185976	83200	53J	512001	6682202	162.6	CAL DH	weathered calcrete good reaction
512400E	1	1.6	185977	79800	53J	512406	6679848	165.5	CAL DH	sandy small Fe pebs poor reaction
	2	1.3	185978	79900	53J	512397	6679909	167.9	CAL DH	sandy small Fe pebs
	3	1.5	185979	80000	53J	512398	6680000	167.6	CAL DH	sandy small Fe pebs siltstone
	4	0.2	185980	80100	53J	512399	6680095	169.3	CAL DH	sandy small Fe pebs good reaction
	5	2.4	185981	80200	53J	512405	6680199	171.4	CAL DH	sandy small Fe pebs reaction in soil only
	6	0.2	185982	80300	53J	512402	6680295	170.3	CAL DH	sandy small Fe pebs silcrete calcrete
	7	0.3	185983	80400	53J	512402	6680395	166	CAL DH	sandy small Fe pebs silcrete calcrete
	8	0.6	185984	80500	53J	512402	6680491	167.7	CAL DH	sandy small Fe pebs silcrete calcrete
	9	0.5	185985	80600	53J	512405	6680599	170.6	CAL DH	sandy coarse ironstone calcrete
	10	0.9	185986	80700	53J	512405	6680697	169.6	CAL DH	sandy coarse ironstone calcrete
	11	1.7	185987	80800	53J	512408	6680794	170.3	CAL DH	sandy coarse ironstone calcrete
	12	0.2	185988	80900	53J	512415	6680904	172	CAL DH	NO SAMPLE outcrop
	13	1.7	185989	81000	53J	512402	6681004	170.2	CAL DH	sandy coarse ironstone good recovery
	14	1.8	185990	81100	53J	512400	6681101	166.6	CAL DH	sandy coarse ironstone good recovery
	15	1.6	185991	81200	53J	512405	6681196	163.4	CAL DH	sandy Fe pebs good calcrete recovery
	16	1.3	185992	81300	53J	512402	6681297	164.3	CAL DH	sandy Fe pebs good calcrete recovery
	17	2	185993	81400	53J	512403	6681394	166.1	CAL DH	NO SAMPLE sandy clay no calcrete

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	18	3	185994	81500	53J	512404	6681500	177.8	CAL DH	NO SAMPLE sand no calcrete
	19	2.7	185995	81600	53J	512404	6681605	167.5	CAL DH	NO SAMPLE sand some Fe pebs no calcrete
	20	3	185996	81700	53J	512403	6681699	166.7	CAL DH	NO SAMPLE sand no calcrete
	21	2.7	185997	81800	53J	512405	6681795	164.9	CAL DH	NO SAMPLE sandy clay no calcrete
	22	2.7	185998	81900	53J	512404	6681899	161.7	CAL DH	NO SAMPLE sandy clay no calcrete
	23	3	185999	82000	53J	512403	6681989	160.9	CAL DH	NO SAMPLE sandy clay no calcrete
	24	2.8	186000	82100	53J	512404	6682111	163.1	CAL DH	NO SAMPLE sandy clay no calcrete
	25	1.8	186001	82200	53J	512403	6682201	161.2	CAL DH	sandy clay some calcrete
512800E	1	1.8	186002	79800	53J	512813	6679802	166.3	CAL DH	sandy ironstone
	2	0.2	186003	79900	53J	512808	6679893	156.4	CAL DH	sandy ironstone some calcrete hard siltstone
	3	0.3	186004	80000	53J	512805	6679998	157.6	CAL DH	sandy ironstone siltstone reaction in soil
	4	1.8	186005	80100	53J	512805	6680098	157.3	CAL DH	sandy ironstone siltstone reaction in soil
	5	0.8	186006	80200	53J	512804	6680203	157.4	CAL DH	sandy ironstone siltstone reaction in soil
	6	1.4	186007	80300	53J	512806	6680302	175.6	CAL DH	sandy ironstone siltstone reaction in soil
	7	0.7	186008	80400	53J	512803	6680403	157.7	CAL DH	sandy ironstone siltstone some calcrete
	8	0.3	186009	80500	53J	512803	6680499	157.4	CAL DH	some ironstone siltstone hard drilling
	9	0.6	186010	80600	53J	512805	6680606	157.3	CAL DH	siltstone hard drilling poor reaction
	10	0.8	186011	80700	53J	512810	6680704	157.8	CAL DH	sandy clay poor recovery
	11	0.5	186012	80800	53J	512808	6680799	157.4	CAL DH	some coarse calcrete sandy Fe pebs
	12	0.5	186013	80900	53J	512809	6680906	157.8	CAL DH	some coarse calcrete sandy Fe pebs
	13	0.8	186014	81000	53J	512807	6680999	158.5	CAL DH	NO SAMPLE outcrop
	14	0.3	186015	81100	53J	512807	6681102	158.3	CAL DH	sandy coarse ironstone some return
	15	0.5	186016	81200	53J	512805	6681203	158.6	CAL DH	sandy large ironstone rocks some recovery
	16	0.6	186017	81300	53J	512803	6681304	158.4	CAL DH	sandy ironstone some recovery
	17	3	186018	81400	53J	512799	6681399	159	CAL DH	NO SAMPLE not drilled swampy area
	18	*	186019	81500	53J	512800	6681504	159.5	CAL DH	NO SAMPLE not drilled swampy area
	19	*	186020	81600	53J	512801	6681602	159.7	CAL DH	NO SAMPLE not drilled swampy area

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	20	*	186021	81700	53J	512802	6681701	159.7	CAL DH	NO SAMPLE not drilled swampy area
	21	*	186022	81800	53J	512803	6681804	160.3	CAL DH	NO SAMPLE not drilled swampy area
	22	3	186023	81900	53J	512802	6681902	160.7	CAL DH	NO SAMPLE clay edge of swamp
	23	4	186024	82000	53J	512803	6682003	161.5	CAL DH	NO SAMPLE sandy ironstone
	24	1.8	186025	82100	53J	512802	6682098	162.1	CAL DH	sandy clay ironstone good calcrete
	25	1.3	186026	82200	53J	512802	6682201	162.9	CAL DH	sandy clay ironstone good calcrete
	26	1.8	186027	82300	53J	512815	6682301	162.6	CAL DH	sandy clay ironstone good calcrete
513200E	1	1.8	186028	79800	53J	513203	6679803	171.4	CAL DH	NO SAMPLE sandy ironstone no reaction
	2	1.5	186029	79900	53J	513199	6679901	165.5	CAL DH	sandy ironstone calcrete
	3	1.5	186030	80000	53J	513200	6679997	164.7	CAL DH	sandy ironstone calcrete
	4	0.2	186031	80100	53J	513200	6680099	166.1	CAL DH	sandy ironstone siltstone hard drilling
	5	0.4	186032	80200	53J	513203	6680195	166.2	CAL DH	sandy ironstone siltstone poor return
	6	0.7	186033	80300	53J	513202	6680302	165.2	CAL DH	sandy ironstone siltstone return ok
	7	1.1	186034	80400	53J	513202	6680399	166.8	CAL DH	sandy ironstone siltstone return ok
	8	1.2	186035	80500	53J	513203	6680501	162.1	CAL DH	sandy ironstone poor reaction
	9	2.8	186036	80500	53J	513202	6680600	161.8	CAL DH	sandy ironstone poor reaction
	10	2	186037	80700	53J	513202	6680702	160.1	CAL DH	NO SAMPLE sandy ironstone no reaction
	11	1.8	186038	80800	53J	513201	6680802	162.6	CAL DH	NO SAMPLE sandy ironstone no reaction
	12	2	186039	80900	53J	513199	6680904	160.1	CAL DH	sandy clay poor recovery
	13	3	186040	81000	53J	513201	6681002	166.4	CAL DH	NO SAMPLE wet swamp
	14	2.8	186041	81100	53J	513200	6681100	161.8	CAL DH	NO SAMPLE wet swamp
	15	3	186042	81200	53J	513203	6681205	162	CAL DH	sandy ironstone poor reaction
	16	4	186043	81300	53J	513203	6681300	161.5	CAL DH	sandy ironstone poor reaction
	17	3	186044	81400	53J	513199	6681403	162.5	CAL DH	NO SAMPLE sandy ironstone no reaction
	18	3	186045	81500	53J	513205	6681499	163.8	CAL DH	sandy ironstone poor reaction
	19	1.7	186046	81600	53J	513203	6681602	160.1	CAL DH	NO SAMPLE ironstone no reaction
	20	3	186047	81700	53J	513204	6681701	164.2	CAL DH	sandy ironstone poor reaction
	21	1.8	186048	81800	53J	513205	6681801	163.6	CAL DH	sandy ironstone calcrete ok
	22	1.8	186049	81900	53J	513205	6681902	161.1	CAL DH	sandy ironstone calcrete ok

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	23	1.4	186050	82000	53J	513205	6682001	165.1	CAL DH	sandy ironstone calcrete good reaction
	24	1.8	186051	82100	53J	513207	6682104	159.5	CAL DH	sandy ironstone calcrete good reaction
	25	1.5	186052	82200	53J	513231	6682213	162.4	CAL DH	sandy ironstone calcrete good reaction
513600E	1	1.7	186054	79800	53J	513640	6679804	162.8	CAL DH	NO SAMPLE sandy some Fe no reaction
	2	0.7	186055	79900	53J	513620	6679888	162.2	CAL DH	sandy some ironstone silcrete hard
	3	0.3	186056	80000	53J	513599	6680002	161.2	CAL DH	sandy some ironstone good kick
	4	0.3	186057	80100	53J	513600	6680101	165.7	CAL DH	sandy some ironstone silcrete calcrete ok
	5	0.4	186058	80200	53J	513601	6680201	163.5	CAL DH	sandy some ironstone silcrete calcrete ok
	6	1	186059	80300	53J	513601	6680300	163.3	CAL DH	sandy some ironstone silcrete calcrete ok
	7	1.2	186060	80400	53J	513601	6680401	164.1	CAL DH	sandy some ironstone silcrete calcrete ok
	8	1.1	186061	80500	53J	513603	6680502	164.5	CAL DH	sandy some ironstone silcrete calcrete ok
	9	1.4	186062	80600	53J	513600	6680602	164.7	CAL DH	sandy ironstone poor reaction
	10	1.2	186063	80700	53J	513602	6680700	163.6	CAL DH	sandy ironstone poor reaction
	11	3	186064	80800	53J	513600	6680800	162.4	CAL DH	NO SAMPLE water course no reaction
	12	3	186065	80900	53J	513602	6680900	162.4	CAL DH	NO SAMPLE water course no reaction
	13	3	186066	81000	53J	513598	6680999	161.9	CAL DH	NO SAMPLE water course no reaction
	14	3	186067	81100	53J	513603	6681099	162.8	CAL DH	NO SAMPLE water course no reaction
	15	3	186068	81200	53J	513601	6681198	164.9	CAL DH	NO SAMPLE water course no reaction
	16	3	186069	81300	53J	513600	6681301	161.9	CAL DH	NO SAMPLE water course no reaction
	17	4	186070	81400	53J	513602	6681400	164.9	CAL DH	NO SAMPLE water course no reaction

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	18	3	186071	81500	53J	513603	6681500	162.4	CAL DH	NO SAMPLE water course no reaction
	19	3	186072	81600	53J	513600	6681601	164.5	CAL DH	NO SAMPLE water course no reaction
	20	2.8	186073	81700	53J	513603	6681700	163.9	CAL DH	sandy ironstone calcrete ok
	21	1.8	186074	81800	53J	513602	6681799	163.3	CAL DH	sandy ironstone calcrete ok
	22	1.7	186075	81900	53J	513602	6681899	165	CAL DH	sandy ironstone calcrete ok
	23	2	186076	82000	53J	513601	6682000	164.1	CAL DH	sandy ironstone calcrete ok
	24	1.7	186077	82100	53J	513601	6682104	164.6	CAL DH	sandy ironstone calcrete ok
	25	1.9	186078	82200	53J	513601	6682198	167.3	CAL DH	sandy ironstone calcrete ok
514000E	1	0.4	186079	79800	53J	514002	6679800	167	CAL DH	sandy ironstone siltstone hard drilling
	2	1.1	186080	79900	53J	514000	6679903	162.9	CAL DH	sandy ironstone siltstone hard drilling
	3	0.8	186081	80000	53J	514003	6680003	161.9	CAL DH	sandy ironstone calcrete good reaction
	4	1	186082	80100	53J	514003	6680101	162.2	CAL DH	sandy ironstone calcrete good reaction
	5	0.4	186083	80200	53J	514001	6680199	164.9	CAL DH	sand silcrete hard drilling poor sample
	6	0.2	186084	80300	53J	514002	6680301	164	CAL DH	NO SAMPLE silcrete
	7	0.9	186085	80400	53J	514003	6680400	166.9	CAL DH	sandy siltstone silcrete some reaction
	8	1.3	186086	80500	53J	514006	6680510	163.3	CAL DH	sandy siltstone silcrete some reaction
	9	1.4	186087	80600	53J	514002	6680601	160.7	CAL DH	NO SAMPLE sand ironstone no reaction
	10	3	186088	80700	53J	514003	6680698	163.2	CAL DH	NO SAMPLE sand ironstone no reaction
	11	1.3	186089	80800	53J	514002	6680802	159.9	CAL DH	sand ironstone some calcrete
	12	1.4	186090	80900	53J	514002	6680900	162.8	CAL DH	sand ironstone poor reaction
	13	3	186091	81000	53J	514001	6681002	163.3	CAL DH	NO SAMPLE sandy ironstone no reaction
	14	3	186092	81100	53J	514001	6681099	163.3	CAL DH	NO SAMPLE sandy ironstone no reaction
	15	3	186093	81200	53J	514001	6681200	167.1	CAL DH	NO SAMPLE sandy ironstone no reaction
	16	2.6	186094	81300	53J	514000	6681300	164.6	CAL DH	sand ironstone calcrete ave.reaction
	17	1.7	186095	81400	53J	514000	6681401	162.2	CAL DH	sand ironstone calcrete ave.reaction
	18	1.3	186096	81500	53J	514000	6681501	166.5	CAL DH	sand ironstone calcrete ave.reaction

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	19	1	186097	81600	53J	514002	6681600	164.4	CAL DH	sand ironstone calcrete ave.reaction
	20	2	186098	81700	53J	514002	6681700	169	CAL DH	sand ironstone calcrete ave.reaction
	21	4	186099	81800	53J	514001	6681798	167.6	CAL DH	NO SAMPLE sand ironstone no reaction
	22	3	186100	81900	53J	514006	6681887	167.1	CAL DH	NO SAMPLE sand ironstone no reaction
	23	2	186101	82000	53J	514001	6681998	163.5	CAL DH	sandy some calcrete
	24	1.7	186102	82100	53J	513999	6682101	169.6	CAL DH	sandy some calcrete
	25	0.7	186103	82200	53J	514000	6682199	164.9	CAL DH	sandy ironstone pebs calcrete
514400E	1	1.6	186104	79800	53J	514401	6679806	162.7	CAL DH	sandy some ironstone poor reaction
	2	0.8	186105	79900	53J	514400	6679899	164.1	CAL DH	NO SAMPLE siltstone silcrete hard drilling
	3	0.4	186106	80000	53J	514399	6680001	166.7	CAL DH	sandy some Fe pebs ave.calcrete
	4	0.8	186107	80100	53J	514399	6680101	166.7	CAL DH	sandy some Fe pebs ave.calcrete
	5	0.9	186108	80200	53J	514399	6680202	162.9	CAL DH	sandy ironstone some silcrete
	6	0.6	186109	80300	53J	514399	6680304	164.2	CAL DH	sandy ironstone some silcrete
	7	2	186110	80400	53J	514400	6680402	161.9	CAL DH	sandy some ironstone poor reaction
	8	3	186111	80500	53J	514400	6680492	171.2	CAL DH	NO SAMPLE swampy area
	9	1.9	186112	80600	53J	514400	6680603	165.2	CAL DH	sandy clay some calcrete
	10	2.5	186113	80700	53J	514400	6680707	161.3	CAL DH	sandy clay poor reaction
	11	2.5	186114	80800	53J	514399	6680801	165.4	CAL DH	sandy clay poor reaction
	12	0.6	186115	80900	53J	514400	6680905	162.5	CAL DH	sandy ironstone some reaction
	13	1.3	186116	81000	53J	514399	6681006	163.1	CAL DH	sandy clay some quartz slight reaction
	14	2	186117	81100	53J	514400	6681100	169	CAL DH	sandy ironstone some return
	15	1.2	186118	81200	53J	514399	6681203	169	CAL DH	sandy ironstone some return
	16	1.8	186119	81300	53J	514398	6681306	168.2	CAL DH	sandy ironstone some return
	17	2.1	186120	81400	53J	514400	6681408	163.7	CAL DH	sandy ironstone some return
	18	1.8	186121	81500	53J	514401	6681501	163.8	CAL DH	sandy ironstone some return
	19	3	186122	81600	53J	514400	6681599	164.5	CAL DH	NO SAMPLE sandy Fe pebs no reaction
	20	1.8	186123	81700	53J	514400	6681701	164.7	CAL DH	sandy Fe pebs good return
	21	1	186124	81800	53J	514399	6681801	165.3	CAL DH	sandy Fe pebs good return

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	22	1.9	186125	81900	53J	514400	6681895	167	CAL DH	sandy Fe pebs good return
	23	3	186126	82000	53J	514400	6682010	163.7	CAL DH	NO SAMPLE sandy no calcrete
	24	1.6	186127	82100	53J	514403	6682101	168.5	CAL DH	sandy Fe pebs good return
	25	3	186128	82200	53J	514402	6682207	164.9	CAL DH	sandy Fe poor reaction
514800E	1	2	186129	79800	53J	514794	6679799	163	CAL DH	sandy ironstone poor reaction
	2	3	186130	79900	53J	514801	6679896	165	CAL DH	NO SAMPLE sandy no reaction
	3	3	186131	80000	53J	514801	6679999	163.2	CAL DH	NO SAMPLE as above
	4	4	186132	80100	53J	514801	6680103	166.2	CAL DH	NO SAMPLE as above
	5	3	186133	80200	53J	514800	6680203	167.3	CAL DH	NO SAMPLE as above
	6	3	186134	80300	53J	514801	6680304	165.6	CAL DH	NO SAMPLE as above
	7	3	186135	80400	53J	514800	6680401	163.9	CAL DH	NO SAMPLE as above
	8	1.6	186136	80500	53J	514800	6680501	164.3	CAL DH	sandy clay slight reaction in soil
	9	6	186137	80600	53J	514802	6680602	164.6	CAL DH	sandy clay poor reaction
	10	1.7	186138	80700	53J	514801	6680700	164.3	CAL DH	sandy ironstone poor reaction
	11	2	186139	80800	53J	514798	6680801	164.4	CAL DH	sandy Fe pebs poor return
	12	3	186140	80900	53J	514802	6680904	164.6	CAL DH	sandy Fe pebs poor return
	13	1.8	186141	81000	53J	514800	6681001	164.7	CAL DH	sandy Fe pebs calcrete ok
	14	1.8	186142	81100	53J	514799	6681101	165.2	CAL DH	sandy Fe pebs poor reaction
	15	2	186143	81200	53J	514798	6681202	165.6	CAL DH	sandy Fe pebs poor reaction
	16	2	186144	81300	53J	514801	6681303	165.3	CAL DH	sandy Fe pebs good return/reaction
	17	1.9	186145	81400	53J	514802	6681401	165.8	CAL DH	sandy Fe pebs good return/reaction
	18	1.2	186146	81500	53J	514800	6681501	166.4	CAL DH	sandy Fe pebs good return/reaction
	19	2.1	186147	81600	53J	514801	6681602	166.5	CAL DH	sandy Fe pebs good return/reaction
	20	1.9	186148	81700	53J	514802	6681700	166.7	CAL DH	sandy ironstone poor reaction
	21	1.4	186149	81800	53J	514798	6681803	166.7	CAL DH	sandy ironstone poor reaction
	22	0.6	186150	81900	53J	514798	6681902	164.5	CAL DH	sandy ironstone calcrete
	23	2.8	186151	82000	53J	514800	6681998	166.3	CAL DH	sandy ironstone calcrete
	24	1.9	186152	82100	53J	514798	6682102	164.2	CAL DH	sandy ironstone some calcrete
	25	1.8	186153	82200	53J	514799	6682202	166.8	CAL DH	sandy ironstone some calcrete ave.reaction
515200E	1	2	186154	79800	53J	515196	6679835	165.1	CAL DH	sandy poor reaction
	2	3	186155	79900	53J	515196	6679910	168.5	CAL DH	NO SAMPLE sandy no reaction

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	3	2.5	186156	80000	53J	515200	6680001	164.8	CAL DH	NO SAMPLE sandy no reaction
	4	2.5	186157	80100	53J	515199	6680102	161.3	CAL DH	NO SAMPLE sandy no reaction
	5	2.6	186158	80200	53J	515202	6680202	168.7	CAL DH	sandy some Fe pebs some calcrete
	6	4	186159	80300	53J	515212	6680306	167.2	CAL DH	sandy some Fe pebs poor reaction
	7	3	186160	80400	53J	515198	6680399	166.1	CAL DH	NO SAMPLE sandy no reaction
	8	2.7	186161	80500	53J	515201	6680504	164.8	CAL DH	sandy some Fe pebs some calcrete
	9	2.8	186162	80600	53J	515207	6680598	160.8	CAL DH	sandy Fe pebs poor reaction
	10	1.5	186163	80700	53J	515198	6680701	165.2	CAL DH	sandy Fe pebs some calcrete
	11	3	186164	80800	53J	515200	6680802	163.3	CAL DH	NO SAMPLE sandy no reaction
	12	3	186165	80900	53J	515200	6680902	164.7	CAL DH	sandy ironstone poor reaction
	13	1.9	186166	81000	53J	515200	6681002	165.4	CAL DH	sandy clay some Fe pebs calcrete
	14	3	186167	81100	53J	515199	6681103	167.5	CAL DH	sandy clay some Fe pebs poor reaction
	15	1.8	186168	81200	53J	515198	6681205	163	CAL DH	sandy ironstone return ok
	16	1.9	186169	81300	53J	515199	6681303	167.9	CAL DH	sandy ironstone return ok
	17	2.4	186170	81400	53J	515198	6681401	163.5	CAL DH	sandy ironstone some return
	18	2	212546	81500	53J	515198	6681501	163.7	CAL DH	sandy ironstone return ok
	19	1.8	212547	81600	53J	515197	6681603	163.8	CAL DH	sandy ironstone return ok
	20	3	212548	81700	53J	515212	6681704	164.3	CAL DH	sandy ironstone poor return
	21	2	212549	81800	53J	515200	6681800	164.6	CAL DH	sandy ironstone pebs calcrete ok
	22	3	212550	81900	53J	515199	6681909	165.3	CAL DH	sandy ironstone pebs poor return
	23	2	212551	82000	53J	515199	6681998	169.7	CAL DH	sandy Fe pebs good return/reaction
	24	1.9	212552	82100	53J	515199	6682100	166.5	CAL DH	sandy Fe pebs good return/reaction
	25	1.9	212553	82200	53J	515199	6682200	172.7	CAL DH	sandy Fe pebs good return/reaction
	26	1.6	212554	82300	53J	515197	6682323	169.5	CAL DH	sandy Fe pebs good return/reaction
	27	1.7	212555	82400	53J	515199	6682399	169.4	CAL DH	sandy Fe pebs good return/reaction
511500E	1	0.2	185926	79700	53J	511461	6679765	169.8	HKN4	sandy ironstone siltstone
	2	0.2	185927	79750	53J	511489	6679806	170.3	GRID	sandy ironstone siltstone
	3	0.2	185928	79800	53J	511513	6679847	170.6	GRID	sandy ironstone siltstone
	4	0.3	185929	79850	53J	511534	6679878	167.1	GRID	sandy ironstone siltstone
	5	0.2	185930	79900	53J	511557	6679917	170.8	GRID	small Fe pebs hard surface siltstone
511550E	6	0.3	185931	79700	53J	511503	6679742	169.7	GRID	sand Fe pebs siltstone hard drilling
	7	0.2	185932	79750	53J	511530	6679782	167.8	GRID	sand Fe pebs siltstone hard drilling

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
	8	0.2	185933	79800	53J	511553	6679818	168	GRID	sand Fe pebs siltstone hard drilling
	9	0.2	185934	79850	53J	511577	6679858	168.4	GRID	sand Fe pebs siltstone hard drilling
	10	1.5	185935	79900	53J	511602	6679898	166.7	GRID	sand Fe pebs siltstone hard drilling
511600E	11	1.4	185936	79700	53J	511539	6679720	167.8	GRID	sand Fe pebs siltstone hard drilling
	12	1.3	185937	79750	53J	511568	6679763	166.3	GRID	sand Fe pebs siltstone hard drilling
			*	79800	53J	511594	6679798	169	GRID	Drilled LINE 6 Hole no.4
	13	1.2	185938	79850	53J	511618	6679836	168	GRID	sandy ironstone silcrete hard drilling
	14	1.2	185939	79900	53J	511647	6679875	169.4	GRID	siltstone ironstone hard drilling
511650E	15	1	185940	79700	53J	511587	6679694	165.2	GRID	siltstone ironstone hard drilling
	16	0.9	185941	79750	53J	511613	6679735	175.2	GRID	siltstone ironstone hard drilling
	17	0.2	185942	79800	53J	511635	6679776	168.5	GRID	sandy ironstone some calcrete
	18	0.2	185943	79850	53J	511660	6679817	168.3	GRID	sand ironstone silcrete poor recovery
	19	0.2	185944	79900	53J	511685	6679859	170	GRID	surface siltstone hard drilling
511700E	20	0.2	185945	79700	53J	511627	6679671	167.5	GRID	sandy ironstone some recovery
	21	0.3	185946	79750	53J	511652	6679713	170.4	GRID	ironstone sandy clay some recovery
	22	0.3	185947	79800	53J	511674	6679751	167	GRID	ironstone sandy clay some recovery
	23	0.3	185948	79850	53J	511701	6679796	167.2	GRID	ironstone silcrete some recovery
	24	0.4	185949	79900	53J	511726	6679840	168.2	GRID	ironstone silcrete some recovery
511500E	1	1.6	185904	81000	53J	511502	6680999	166.2	HKN53	sandy ironstone pebs
	2	2.3	185905	81050	53J	511505	6681050	166.9	GRID	sandy ironstone pebs
	3	1.6	185906	81100	53J	511502	6681097	169.5	GRID	sandy coarse ironstone pebs
	4	1.5	185907	81150	53J	511506	6681152	162.6	GRID	sandy coarse Fe pebs good reaction
	5	1.6	185908	81200	53J	511509	6681215	158.9	GRID	sandy coarse Fe pebs good reaction
511550E	6	2.3	185909	81000	53J	511551	6681003	165.9	GRID	sandy calcrete - Fe pebs to 2.3m
	7	2.2	185910	81050	53J	511555	6681064	165.4	GRID	sandy coarse Fe pebs
	8	2.2	185911	81100	53J	511556	6681109	161.7	GRID	sandy coarse Fe pebs
	9	2.2	185912	81150	53J	511555	6681157	166.5	GRID	sandy coarse Fe pebs
	10	1.7	185913	81200	53J	511556	6681208	162.1	GRID	sandy coarse Fe pebs
511600E			*	81000	53J	511598	6681001	169.5	GRID	LINE 6 R185891 Hole no 15
	11	1.7	185914	81050	53J	511598	6681053	164.9	GRID	sandy ironstone good recovery/kick
			*	81100	53J	511597	6681102	166.8	GRID	LINE 6 R185892 Hole no 10
	12	0.6	185915	81150	53J	511593	6681154	169.8	GRID	sandy ironstone
			*	81200	53J	511596	6681203	166.5	GRID	LINE 6 R185893 Hole 17

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB.	COMMENTS
511650E	13	1.5	185916	81000	53J	511639	6681004	165.7	GRID	sandy coarse ironstone pebs
	14	1.6	185917	81050	53J	511642	6681052	168.4	GRID	sandy coarse ironstone pebs
	15	1.7	185918	81100	53J	511644	6681103	165.6	GRID	sandy coarse ironstone pebs
	16	1.8	185919	81150	53J	511648	6681150	170	GRID	sandy coarse ironstone pebs
	17	1.9	185920	81200	53J	511654	6681203	167	GRID	sandy coarse ironstone pebs
511700E	18	1.5	185921	81000	53J	511688	6681007	165.7	GRID	sandy coarse ironstone pebs good kick
	19	1.8	185922	81050	53J	511693	6681053	171	GRID	sandy coarse Fe pebs
	20	1.9	185923	81100	53J	511694	6681100	165	GRID	sandy coarse Fe pebs
	21	1.7	185924	81150	53J	511701	6681147	164.9	GRID	sandy coarse Fe pebs
	22	1.2	185925	81200	53J	511700	6681199	165.6	GRID	sandy coarse Fe pebs
515600E	1	2	212556	79800	53J	515595	6679789	166.3	CAL DH	sand ironstone poor return
	2	3	212557	79900	53J	515596	6679899	164.5	CAL DH	NO SAMPLE no reaction
	3	1.8	212558	80000	53J	515598	6679999	165.4	CAL DH	sand ironstone poor return
	4	0.4	212559	80100	53J	515598	6680103	170.1	CAL DH	sand ironstone hard drilling
	5	2	212560	80200	53J	515599	6680201	164.6	CAL DH	sand ironstone poor reaction
	6	2.5	212561	80300	53J	515600	6680302	166.9	CAL DH	NO SAMPLE no reaction
	7	4	212562	80400	53J	515598	6680404	169.9	CAL DH	sand ironstone poor reaction
	8	2	212563	80500	53J	515600	6680501	163.3	CAL DH	sandy clay Fe pebs poor reaction
	9	2.2	212564	80600	53J	515600	6680602	163.2	CAL DH	sandy clay Fe pebs poor reaction
	10	3	212565	80700	53J	515598	6680697	164.4	CAL DH	sandy clay Fe pebs some recovery
	11	4.2	212566	80800	53J	515598	6680801	166	CAL DH	sandy clay Fe pebs poor recovery
	12	3	212567	80900	53J	515599	6680901	165.2	CAL DH	sandy clay Fe pebs some reaction
	13	2.8	212568	81000	53J	515601	6680998	162.7	CAL DH	sandy clay Fe pebs some reaction
	14	2	212569	81100	53J	515595	6681079	166.6	CAL DH	sandy clay Fe pebs some reaction
	15	2	212570	80200	53J	515601	6681197	172.2	CAL DH	sandy clay Fe pebs some reaction
	16	1.7	212571	81300	53J	515605	6681302	164.3	CAL DH	sandy clay Fe pebs good recovery/kick
	17	1.9	212572	81400	53J	515600	6681398	164.4	CAL DH	sandy clay Fe pebs good recovery/kick
	18	2.8	212573	81500	53J	515600	6681503	157.5	CAL DH	sandy ironstone good recovery/kick
	19	1.8	212574	81600	53J	515600	6681600	170.5	CAL DH	sandy ironstone good recovery/kick
	20	1.8	212575	81700	53J	515600	6681682	165.1	CAL DH	sandy ironstone good recovery/kick
	21	1.9	212576	81800	53J	515600	6681800	165.6	CAL DH	sandy ironstone good recovery/kick

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
	22	1.8	212577	81900	53J	515611	6681901	168.2	CAL DH	sandy ironstone good recovery/kick
	23	1.8	212578	82000	53J	515601	6681999	168.1	CAL DH	sandy ironstone good recovery/kick
	24	4	212579	82200	53J	515602	6682099	168.7	CAL DH	sandy ironstone poor recovery
	25	1.6	212580	82200	53J	515602	6682199	167	CAL DH	sandy ironstone good recovery/kick
	26	1.9	212581	82300	53J	515601	6682300	167	CAL DH	sandy ironstone good recovery/kick
	27	2	212582	82400	53J	515603	6682398	168.7	CAL DH	sandy ironstone good recovery/kick
516000E	1	3	212583	79800	53J	515995	6679799	171	CAL DH	sandy fine ironstone poor recovery
	2	0.4	212584	79900	53J	516007	6679901	164.9	CAL DH	sandy fine ironstone good calcrete/kick
	3	2	212585	80000	53J	516001	6680002	167.8	CAL DH	NO SAMPLE sandy fine Fe no reaction
	4	0.6	212586	80100	53J	516001	6680102	164.9	CAL DH	sandy fine Fe poor reaction
	5	1.6	212587	80200	53J	515999	6680201	163.5	CAL DH	sandy ironstone good recovery/kick
	6	1.5	212588	80300	53J	516004	6680291	167.4	CAL DH	sandy ironstone poor recovery/kick
	7	1.2	212589	80400	53J	516002	6680402	167.9	CAL DH	sandy ironstone good recovery/kick
	8	2.5	212590	80500	53J	515996	6680504	166.6	CAL DH	NO SAMPLE sandy ironstone no kick
	9	3	212591	80600	53J	516001	6680603	164.6	CAL DH	sandy ironstone poor reaction
	10	3	212592	80700	53J	516001	6680701	168.1	CAL DH	sandy some ironstone poor reaction
	11	2.7	212593	80800	53J	516002	6680801	165	CAL DH	sandy some ironstone some return
	12	2	212594	80900	53J	515998	6680901	164.5	CAL DH	sandy some ironstone some return
	13	2.1	212596	81000	53J	516000	6681002	163.1	CAL DH	sandy some ironstone return ok
	14	3	212597	81100	53J	515999	6681101	167.3	CAL DH	NO SAMPLE as above no reaction
	15	2.2	212598	81200	53J	516000	6681202	164.6	CAL DH	sandy clay some reaction
	16	1.5	212599	81300	53J	516003	6681302	165.6	CAL DH	sandy clay Fe pebs good recovery/kick
	17	1.2	212600	81400	53J	516002	6681399	167.8	CAL DH	sandy clay Fe pebs good recovery/kick
	18	3	212601	81500	53J	516001	6681503	167.2	CAL DH	NO SAMPLE as above no reaction
	19	1.6	212602	81600	53J	515995	6681597	166.7	CAL DH	sandy Fe pebs return ok
	20	3	212603	81700	53J	515998	6681704	167.6	CAL DH	sandy Fe pebs some reaction
	21	4	212604	81800	53J	516001	6681801	166.8	CAL DH	NO SAMPLE sandy no reaction
	22	3	212605	81900	53J	516000	6681902	167.5	CAL DH	as above no reaction
	23	1.8	212606	82000	53J	516001	6682001	167	CAL DH	sandy fine ironstone return ok
	24	1.9	212607	82100	53J	516001	6682101	166.9	CAL DH	sandy fine ironstone return ok

LINE	HOLE	DEPTH	R NO.	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
	25	0.6	212608	82200	53J	516000	6682201	167.5	CAL DH	sandy fine ironstone return ok
	26	0.5	212609	82300	53J	516000	6682300	167.6	CAL DH	sandy fine ironstone return ok
	27	1.9	212610	82400	53J	515999	6682404	168.2	CAL DH	sandy fine ironstone return ok
77000N	1	1.8	214873	0000E	53J	504998	6676997	163.8	CAL DH	sandy poor return
WESTGRID	2	1.8	214874	0100E	53J	505098	6676998	168.5	CAL DH	sandy sample soil? only
	3	3	214875	0200E	53J	505196	6677000	162.6	CAL DH	sandy poor return
	4	1.5	214876	0300E	53J	505322	6676990	164.6	CAL DH	NO SAMPLE soil only
	5	0.3	214877	0400E	53J	505401	6676996	163.1	CAL DH	NO SAMPLE soil only
	6	0.3	214878	0500E	53J	505504	6676986	148.1	CAL DH	sandy siltstone sample soil only
	7	0.3	214879	0600E	53J	505600	6677000	167.5	CAL DH	sandy siltstone some return
	8	2	214880	0700E	53J	505690	6677010	180.2	CAL DH	NO SAMPLE no return
	9	3	214881	0800E	53J	505782	6677006	180.2	CAL DH	NO SAMPLE no return
	10	3	214882	0900E	53J	505896	6677002	180.2	CAL DH	sandy Fe pebs sample soil only
	11	2.5	214883	1000E	53J	505997	6677008	180.2	CAL DH	NO SAMPLE hard no return
	12	6	214884	1100E	53J	506108	6677011	180.2	CAL DH	sandy hard bottom sample soil only
	13	1	214885	1200E	53J	506193	6677001	180.2	CAL DH	sandy some return
	14	0.3	214886	1300E	53J	506306	6677003	174.1	CAL DH	sandy some return hard
	15	0.4	214887	1400E	53J	506386	6677011	193	CAL DH	sandy return ok
	16	0.3	214888	1500E	53J	506498	6677003	179.2	CAL DH	sandy fine Fe pebs some return
	17	1.4	214889	1600E	53J	506605	6676995	174.3	CAL DH	sandy soil only poor return
	18	0.5	214890	1700E	53J	506696	6676999	170.5	CAL DH	NO SAMPLE no return hard
	19	0.9	214891	1800E	53J	506795	6677001	166.7	CAL DH	sandy fine Fe pebs some return
	20	0.2	214892	1900E	53J	506892	6677006	185.9	CAL DH	sandy good return
	21	3	214893	2000E	53J	506996	6677001	169.5	CAL DH	sandy sample soil? only
77400N	1	2	214852	0000E	53J	505002	6677396	158.9	CAL DH	sandy sample soil only poor return
	2	3	214853	0100E	53J	505091	6677403	158.9	CAL DH	sandy sample soil only poor return
	3	1.5	214854	0200E	53J	505203	6677415	165.5	CAL DH	sandy sample soil only poor return
	4	1.8	214855	0300E	53J	505308	6677409	141.9	CAL DH	sandy sample soil only poor return
	5	2.5	214856	0400E	53J	505417	6677417	141.9	CAL DH	sandy sample soil only poor return
	6	2.2	214857	0500E	53J	505515	6677413	141.9	CAL DH	sandy sample soil only poor return
	7	4.5	214858	0600E	53J	505623	6677427	141.9	CAL DH	sandy sample soil only poor return
	8	1.3	214859	0700E	53J	505718	6677403	141.9	CAL DH	NO SAMPLE soil no reaction
	9	0.3	214860	0800E	53J	505811	6677390	141.9	CAL DH	sandy poor return

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
	10	0.5	214861	0900E	53J	505886	6677405	141.9	CAL DH	sandy some return
	11	1.8	214862	1000E	53J	506019	6677412	141.9	CAL DH	sandy some return
	12	1.8	214863	1100E	53J	506110	6677402	141.9	CAL DH	sandy some return
	13	2	214864	1200E	53J	506206	6677386	141.9	CAL DH	sandy poor return soil only
	14	2	214865	1300E	53J	506318	6677375	141.8	CAL DH	sandy poor return soil only
	15	1	214866	1400E	53J	506389	6677383	169	CAL DH	sandy poor return soil only
	16	3	214867	1500E	53J	506504	6677385	169.5	CAL DH	sandy poor return soil only
	17	3	214868	1600E	53J	506595	6677391	169.5	CAL DH	sandy poor return soil only
	18	2	214869	1700E	53J	506700	6677396	169.5	CAL DH	sandy poor return soil only
	19	1.4	214870	1800E	53J	506803	6677394	169.5	CAL DH	sandy small Fe pebs soil only
	20	1.8	214871	1900E	53J	506886	6677410	169.5	CAL DH	sandy silcrete soil only
	21	1.5	214872	2000E	53J	506999	6677401	169.5	CAL DH	as above
77800N	1	2.2	212779	0000E	53J	505006	6677791	183.2	CAL DH	sandy sample in soil only
	2	1.8	212780	0100E	53J	505109	6677771	190.1	CAL DH	sandy sample in soil only
	3	0.3	212781	0200E	53J	505208	6677771	190.1	CAL DH	sandy good return
	4	3	212782	0300E	53J	505313	6677776	190.1	CAL DH	sandy sample soil only
	5	0.1	212783	0400E	53J	505419	6677815	159.3	CAL DH	sandy good return
	6	0.1	212784	0500E	53J	505496	6677815	161	CAL DH	sandy coarse Fe pebs good return
	7	0.1	212785	0600E	53J	505604	6677815	142	CAL DH	sandy coarse Fe pebs return ok
	8	0.3	212786	0700E	53J	505691	6677813	142	CAL DH	sandy sample in soil only hard bottom
	9	0.3	212787	0800E	53J	505803	6677812	142	CAL DH	sandy sample in soil only hard bottom
	10	1.1	212788	0900E	53J	505894	6677820	142	CAL DH	sandy sample in soil only hard bottom
	11	0.3	212789	1000E	53J	505994	6677820	142	CAL DH	sandy sample in soil only hard bottom
	12	0.2	212790	1100E	53J	506100	6677816	142	CAL DH	sandy sample in soil only ok return
	13	1.8	212791	1200E	53J	506218	6677810	168.4	CAL DH	sandy sample in soil good return
	14	1	212792	1300E	53J	506305	6677815	170.7	CAL DH	sandy sample in soil return ok
	15	2.8	212793	1400E	53J	506397	6677810	176.3	CAL DH	sandy sample in soil return ok
	16	0.9	212794	1500E	53J	506483	6677819	164.4	CAL DH	sandy sample in soil return ok
	17	0.3	212795	1600E	53J	506592	6677806	160.6	CAL DH	sandy fine Fe soil only hard
	18	1	214848	1700E	53J	506694	6677797	167	CAL DH	sandy fine Fe soil only hard
	19	1.2	214849	1800E	53J	506812	6677783	170.5	CAL DH	sandy fine Fe some return
	20	4	214850	1900E	53J	506898	6677777	181.4	CAL DH	NO SAMPLE sandy Fe no reaction
	21	1.1	214851	2000E	53J	506998	6677781	179.6	CAL DH	sandy Fe pebs some return

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
78200N	1	1.6	212758	0000E	53J	504997	6678214	168.3	CAL DH	sandy soil sample only poor kick
	2	0.3	212759	0100E	53J	505092	6678218	163.2	CAL DH	sandy siltstone soil only poor kick
	3	0.4	212760	0200E	53J	505202	6678214	165	CAL DH	sandy siltstone soil only poor kick
	4	6	212761	0300E	53J	505289	6678210	160.6	CAL DH	sandy siltstone soil only poor kick
	5	1.2	212762	0400E	53J	505370	6678224	159.9	CAL DH	sandy some return
	6	1.2	212763	0500E	53J	505478	6678222	159.8	CAL DH	sandy small Fe pebs soil only
	7	0.8	212764	0600E	53J	505589	6678220	161.6	CAL DH	sandy coarse Fe soil some calcrete
	8	0.3	212765	0700E	53J	505690	6678221	163.9	CAL DH	sandy coarse Fe return ok
	9	0.3	212766	0800E	53J	505786	6678219	160.1	CAL DH	sandy coarse Fe return ok
	10	0.2	212767	0900E	53J	505879	6678218	161.6	CAL DH	sandy coarse Fe return ok
	11	0.2	212768	1000E	53J	505980	6678225	167.4	CAL DH	sandy coarse Fe return ok
	12	1	212769	1100E	53J	506079	6678231	160.3	CAL DH	sandy coarse Fe good return
	13	1.1	212770	1200E	53J	506176	6678223	173.8	CAL DH	sandy coarse Fe good return
	14	1.1	212771	1300E	53J	506287	6678221	167.5	CAL DH	sandy coarse Fe some return in soil
	15	2	212772	1400E	53J	506395	6678216	169.6	CAL DH	as above poor return
	16	2	212773	1500E	53J	506500	6678201	171	CAL DH	as above poor return
	17	0.7	212774	1600E	53J	506600	6678205	170.5	CAL DH	as above poor return hard at bottom
	18	0.6	212775	1700E	53J	506704	6678212	175.1	CAL DH	sandy some Fe hard poor sample
	19	0.6	212776	1800E	53J	506801	6678219	176	CAL DH	sandy coarse Fe hard poor sample
	20	0.2	212777	1900E	53J	506899	6678218	167.9	CAL DH	NO SAMPLE outcrop
	21	*	212778	2000E	53J	506999	6678219	168.3	CAL DH	NO SAMPLE outcrop
78600N	1	0.7	212737	0000E	53J	505008	6678615	178.3	CAL DH	sandy hard bottom sample soil only
	2	0.3	212738	0100E	53J	505102	6678599	168.9	CAL DH	sandy siltstone good calcrete
	3	0.3	212739	0200E	53J	505214	6678600	166.1	CAL DH	NO SAMPLE hard siltstone no reaction
	4	0.4	212740	0300E	53J	505314	6678600	164.2	CAL DH	sandy hard at base some return
	5	0.3	212741	0600E	53J	505395	6678596	171.5	CAL DH	sandy hard at base some return
	6	0.3	212742	0500E	53J	505502	6678585	167.7	CAL DH	sandy hard at base some return
	7	5	212743	0600E	53J	505604	6678567	166.5	CAL DH	sandy hard siltstone poor return
	8	4	212744	0700E	53J	505715	6678584	161	CAL DH	sandy hard siltstone poor return
	9	1.2	212745	0800E	53J	505796	6678623	148.1	CAL DH	sandy hard siltstone poor return
	10	3	212746	0900E	53J	505892	6678624	167.2	CAL DH	sandy hard siltstone poor return
	11	0.4	212747	1000E	53J	506009	6678598	163.3	CAL DH	sandy coarse Fe good return

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
	12	0.2	212748	1100E	53J	506082	6678586	193.6	CAL DH	sandy coarse Fe good return
	13	1.9	212749	1200E	53J	506209	6678578	167.4	CAL DH	sandy sample in soil only
	14	3	212750	1300E	53J	506300	6678572	173	CAL DH	sandy sample in soil only
	15	1.9	212751	1400E	53J	506415	6678583	169.4	CAL DH	sandy sample in soil only
	16	1.5	212752	1500E	53J	506490	6678587	190.1	CAL DH	NO SAMPLE swampy wet
	17	2	212753	1600E	53J	506591	6678581	169.3	CAL DH	sandy coarse Fe good return
	18	2	212754	1700E	53J	506718	6678586	190.7	CAL DH	sandy coarse Fe good return
	19	2.3	212755	1800E	53J	506810	6678584	190.7	CAL DH	sandy coarse Fe some recovery
	20	2	212756	1900E	53J	506900	6678579	170	CAL DH	sandy coarse Fe some recovery
	21	3	212757	2000E	53J	506980	6678606	199.7	CAL DH	sandy coarse Fe some recovery
79000N	1	0.4	212716	0000E	53J	505003	6679001	157.4	CAL DH	sandy some return
	2	0.8	212717	0100E	53J	505101	6679004	157.8	CAL DH	sandy poor return
	3	0.5	212718	0200E	53J	505194	6679001	159.5	CAL DH	sandy some return
	4	1	212719	0300E	53J	505307	6678999	156.9	CAL DH	sandy soil sample only
	5	0.4	212720	0400E	53J	505401	6678994	158.2	CAL DH	sandy soil sample only
	6	3	212721	0500E	53J	505492	6678988	166	CAL DH	sandy soil sample only
	7	0.9	212722	0600E	53J	505602	6679001	163.3	CAL DH	sandy soil sample only
	8	0.8	212723	0700E	53J	505705	6678990	171.1	CAL DH	sandy good return
	9	0.4	212724	0800E	53J	505803	6678996	158.9	CAL DH	sandy ironstone pebs return ok
	10	0.3	212725	0900E	53J	505911	6679000	161.2	CAL DH	sandy ironstone pebs return ok
	11	3	212726	1000E	53J	506000	6678998	161.2	CAL DH	sandy ironstone pebs good return
	12	1.8	212727	1100E	53J	506115	6678988	161	CAL DH	sandy hard base soil sample only
	13	3	212728	1200E	53J	506200	6678994	164.3	CAL DH	sandy claypan soil only
	14	2.8	212729	1300E	53J	506299	6678996	164.2	CAL DH	as above some calcrete
	15	4	212730	1400E	53J	506398	6678999	163.7	CAL DH	as above some calcrete
	16	0.9	212731	1500E	53J	506518	6678990	177.8	CAL DH	sandy hard base soil sample only
	17	1.2	212732	1600E	53J	506604	6679006	167.4	CAL DH	sandy Fe pebs soil sample only
	18	1.6	212733	1700E	53J	506730	6678995	164.4	CAL DH	sandy Fe pebs some calcrete
	19	2	212734	1800E	53J	506800	6678998	165.3	CAL DH	sandy Fe pebs some calcrete
	20	1.9	212735	1900E	53J	506918	6678996	162.9	CAL DH	sandy Fe pebs some calcrete
	21	2.2	212736	2000E	53J	507000	6678994	160.7	CAL DH	sandy Fe pebs some calcrete

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
79400N	1	3.4	212695	0000E	53J	505003	6679390	153.2	CAL DH	sandy poor reaction soil only
	2	1.2	212696	0100E	53J	505115	6679395	159.6	CAL DH	sandy sample in soil only
	3	0.7	212697	0200E	53J	505235	6679397	154.5	CAL DH	sandy siltstone return ok
	4	0.5	212698	0300E	53J	505304	6679422	190.4	CAL DH	sandy siltstone return ok
	5	0.9	212699	0400E	53J	505389	6679402	190.4	CAL DH	sandy siltstone return ok
	6	0.3	212700	0500E	53J	505474	6679414	190.4	CAL DH	sandy silcrete return ok
	7	0.2	212701	0600E	53J	505600	6679394	168.9	CAL DH	sandy silcrete return ok
	8	0.2	212702	0700E	53J	505703	6679392	174.5	CAL DH	sandy silcrete return ok
	9	0.2	212703	0800E	53J	505808	6679395	165	CAL DH	sandy silcrete return ok
	10	1.8	212704	0900E	53J	505900	6679403	167.3	CAL DH	sandy some reaction in soil
	11	2	212705	1000E	53J	505996	6679399	169.8	CAL DH	sandy some reaction in soil
	12	0.3	212706	1100E	53J	506101	6679397	164.1	CAL DH	sandy siltstone good return
	13	0.3	212707	1200E	53J	506194	6679404	167.2	CAL DH	as above return ok
	14	0.4	212708	1300E	53J	506299	6679402	156.1	CAL DH	as above return ok
	15	2	212709	1400E	53J	506401	6679396	161.8	CAL DH	sandy good return
	16	1.2	212710	1500E	53J	506498	6679401	166	CAL DH	as above return ok
	17	1.6	212711	1600E	53J	506597	6679401	167.6	CAL DH	sandy hard drilling soil sample only
	18	1.2	212712	1700E	53J	506697	6679404	164.2	CAL DH	sandy fine ironstone return ok
	19	1.9	212713	1800E	53J	506799	6679400	165	CAL DH	as above
	20	4	212714	1900E	53J	506896	6679404	162.4	CAL DH	sandy poor return
	21	0.8	212715	2000E	53J	506999	6679405	163.5	CAL DH	sandy fine ironstone good return
79800N	1	1	212674	0000E	53J	504997	6679806	165.1	CAL DH	sandy poor recovery
	2	0.8	212675	0100E	53J	505094	6679806	171.2	CAL DH	NO SAMPLE hard no recovery
	3	0.3	212676	0200E	53J	505201	6679802	157.5	CAL DH	sandy good return
	4	0.6	212677	0300E	53J	505301	6679802	153.8	CAL DH	sandy siltstone good return
	5	0.3	212678	0400E	53J	505400	6679795	153.8	CAL DH	as above hard
	6	0.6	212679	0500E	53J	505497	6679786	165.7	CAL DH	as above hard
	7	0.3	212680	0600E	53J	505595	6679775	166.3	CAL DH	as above hard
	8	0.2	212681	0700E	53J	505694	6679765	163.2	CAL DH	as above hard
	9	0.4	212682	0800E	53J	505811	6679801	162.7	CAL DH	as above hard
	10	1	212683	0900E	53J	505889	6679802	162.7	CAL DH	sandy some Fe pebs some return hard

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
	11	0.4	212684	1000E	53J	506006	6679796	162.7	CAL DH	sandy some Fe pebs some return hard
	12	0.3	212685	1100E	53J	506096	6679789	162.7	CAL DH	sandy some Fe pebs some return hard
	13	1.2	212686	1200E	53J	506198	6679795	162.7	CAL DH	sandy some Fe pebs some return hard
	14	0.4	212687	1300E	53J	506297	6679793	162.7	CAL DH	sandy some Fe pebs some return hard
	15	0.4	212688	1400E	53J	506405	6679790	162.6	CAL DH	sandy some Fe pebs some return hard
	16	0.4	212689	1500E	53J	506505	6679783	185	CAL DH	sandy some Fe pebs good return
	17	2.3	212690	1600E	53J	506596	6679774	167.2	CAL DH	sandy some return
	18	1.1	212691	1700E	53J	506716	6679804	170.1	CAL DH	sandy poor return hard at base
	19	1.2	212692	1800E	53J	506805	6679779	169.8	CAL DH	sandy some Fe pebs return ok
	20	1.2	212693	1900E	53J	506889	6679781	171.3	CAL DH	sandy some Fe pebs return ok
	21	1	212694	2000E	53J	506999	6679783	171.9	CAL DH	sandy some Fe pebs return ok
80200N	1	0.3	212653	0000E	53J	505000	6680198	187.2	CAL DH	sandy return ok
	2	1.8	212654	0100E	53J	505109	6680217	187.2	CAL DH	sandy hard silcrete good calcrete return
	3	1.5	212655	0200E	53J	505206	6680221	184.9	CAL DH	sandy hard silcrete some return
	4	0.4	212656	0300E	53J	505308	6680215	180.7	CAL DH	sandy very good return
	5	0.4	212657	0400E	53J	505403	6680215	167	CAL DH	sandy good return
	6	0.3	212658	0500E	53J	505511	6680217	170.3	CAL DH	sandy siltstone return ok
	7	0.3	212659	0600E	53J	505607	6680212	169.6	CAL DH	sandy some Fe pebs return ok
	8	1	212660	0700E	53J	505703	6680208	169.8	CAL DH	sandy siltstone return ok
	9	2.5	212661	0800E	53J	505805	6680209	170.8	CAL DH	sandy siltstone return ok
	10	0.8	212662	0900E	53J	505903	6680201	173.7	CAL DH	sandy good return
	11	0.6	212663	1000E	53J	506002	6680205	155	CAL DH	sandy silcrete poor return hard
	12	0.3	212664	1100E	53J	506100	6680187	155	CAL DH	sandy silcrete soil only
	13	0.2	212665	1200E	53J	506200	6680200	155	CAL DH	NO SAMPLE hard no recovery
	14	0.4	212666	1300E	53J	506300	6680195	168.8	CAL DH	sandy some Fe pebs return ok
	15	0.4	212667	1400E	53J	506401	6680196	166.1	CAL DH	sandy silcrete some Fe pebs good return

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
	16	0.6	212668	1500E	53J	506501	6680193	183.4	CAL DH	sandy silcrete some Fe pebs good return
	17	0.4	212669	1600E	53J	506603	6680200	183.4	CAL DH	sandy silcrete some Fe pebs good return
	18	0.5	212670	1700E	53J	506696	6680194	170.1	CAL DH	sandy fine quartz ironstone good return
	19	0.3	212671	1800E	53J	506801	6680195	169.4	CAL DH	sandy hard silcrete reaction in soil only
	20	0.8	212672	1900E	53J	506905	6680198	170.6	CAL DH	sandy hard silcrete some recovery
	21	0.5	212673	2000E	53J	506999	6680197	171.3	CAL DH	sandy ironstone some recovery
80600N	1	2	212632	0000E	53J	505004	6680612	187.2	CAL DH	NO SAMPLE hard no recovery
	2	1.4	212633	0100E	53J	505099	6680607	187.2	CAL DH	sandy hard poor return
	3	1.4	212634	0200E	53J	505205	6680600	187.2	CAL DH	sandy hard poor reaction
	4	1.6	212635	0300E	53J	505300	6680615	187.2	CAL DH	sand outcrop poor return
	5	0.6	212636	0400E	53J	505395	6680613	163.5	CAL DH	as above
	6	0.3	212637	0500E	53J	505493	6680611	154.9	CAL DH	sandy some Fe pebs poor return
	7	0.3	212638	0600E	53J	505595	6680608	154.9	CAL DH	sandy some Fe pebs poor return
	8	0.3	212639	0700E	53J	505693	6680602	154.9	CAL DH	sandy some Fe pebs poor return
	9	0.4	212640	0800E	53J	505794	6680608	154.9	CAL DH	sandy some Fe pebs return ok
	10	0.5	212641	0900E	53J	505890	6680606	154.9	CAL DH	sandy some Fe pebs return ok
	11	2.7	212642	1000E	53J	506008	6680609	159.9	CAL DH	sandy some Fe pebs return ok
	12	2.8	212643	1100E	53J	506101	6680615	168.1	CAL DH	as above return good
	13	3.4	212644	1200E	53J	506208	6680607	167.1	CAL DH	sandy some Fe pebs poor return
	14	0.3	212645	1300E	53J	506307	6680607	183.4	CAL DH	sandy coarse ironstone pebs some return
	15	0.6	212646	1400E	53J	506407	6680593	172.7	CAL DH	as above good return
	16	3.8	212647	1500E	53J	506503	6680577	171.9	CAL DH	sandy coarse ironstone pebs some return
	17	0.5	212648	1600E	53J	506608	6680560	174.6	CAL DH	sandy coarse ironstone pebs some return
	18	0.4	212649	1700E	53J	506699	6680587	174.5	CAL DH	as above good return
	19	2.2	212650	1800E	53J	506798	6680595	173.2	CAL DH	as above some return
	20	2.6	212651	1900E	53J	506900	6680583	170.4	CAL DH	as above some return
	21	2	212652	2000E	53J	506999	6680590	171.7	CAL DH	as above some return

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
81000N	1	1	212611	0000E	53J	505000	6680999	199.7	CAL DH	NO SAMPLE hard silcrete?
	2	0.6	212612	0100E	53J	505102	6681003	199.4	CAL DH	sandy hard some return
	3	0.8	212613	0200E	53J	505201	6681005	200.3	CAL DH	sandy Fe pebs some return
	4	0.5	212614	0300E	53J	505294	6681004	200.7	CAL DH	sandy Fe pebs some return
	5	1	212615	0400E	53J	505390	6681001	200.7	CAL DH	as above
	6	1	212616	0500E	53J	505490	6680998	200.2	CAL DH	as above
	7	0.4	212617	0600E	53J	505592	6680995	182.9	CAL DH	as above
	8	0.8	212618	0700E	53J	505708	6680990	131.8	CAL DH	as above
	9	0.6	212619	0800E	53J	505796	6680997	151.4	CAL DH	as above some siltstone
	10	0.6	212620	0900E	53J	505893	6680997	192.7	CAL DH	sandy some return
	11	1.2	212621	1000E	53J	506003	6680989	172.4	CAL DH	as above
	12	1.3	212622	1100E	53J	506099	6680994	172.4	CAL DH	sandy ironstone some return
	13	2.8	212623	1200E	53J	506200	6681003	165	CAL DH	sandy low laying claypan some reaction
	14	2.3	212624	1300E	53J	506300	6681001	172.7	CAL DH	sandy low laying claypan some reaction
	15	1.6	212625	1400E	53J	506406	6681000	175.6	CAL DH	sandy low laying claypan some reaction
	16	0.4	212626	1500E	53J	506503	6681004	162.4	CAL DH	sandy low laying claypan some reaction
	17	1	212627	1600E	53J	506605	6680996	164.8	CAL DH	sandy low laying claypan some reaction
	18	0.9	212628	1700E	53J	506701	6681001	163.8	CAL DH	sandy low laying claypan some reaction
	19	0.3	212629	1800E	53J	506802	6681002	160	CAL DH	sandy low laying claypan some reaction
	20	0.4	212630	1900E	53J	506898	6680998	162.7	CAL DH	sandy limestone reaction in soil
	21	0.4	212631	2000E	53J	507002	6680997	164.3	CAL DH	sand some silcrete reaction in soil
79650N	1	0.3	214894	0W	53J	506050	6679650	*	GRID	HKN99 GRID sandy Fe pebs return ok
	2	0.2	214895	50W	53J	506000	6679650	*	GRID	as above some return hard
	3	0.2	214896	100W	53J	505950	6679650	*	GRID	as above some return hard
	4	0.3	214897	150W	53J	505900	6679650	*	GRID	as above some return hard
	5	0.2	214898	200W	53J	505850	6679650	*	GRID	sandy Fe pebs outcrop some return
	6	0.3	214899	250W	53J	505800	6679650	*	GRID	as above hard

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
	7	1.6	214900	300W	53J	505750	6679650	*	GRID	sandy return in soil only
	8	0.3	214901	350W	53J	505700	6679650	*	GRID	as above
	9	0.4	214902	400W	53J	505650	6679650	*	GRID	sandy good return
	10	0.8	214903	450W	53J	505600	6679650	*	GRID	as above
	11	0.5	214904	500W	53J	505550	6679650	*	GRID	sandy silcrete Fe pebs return ok
79600N	12	1	214905	0W	53J	506050	6679600	*	GRID	sandy ironstone good return
	13	0.3	214906	50W	53J	506000	6679600	*	GRID	sandy hard siltstone some Fe pebs
	14	0.5	214907	100W	53J	505950	6679600	*	GRID	sandy hard siltstone some Fe pebs
	15	0.3	214908	150W	53J	505900	6679600	*	GRID	sandy hard siltstone some Fe pebs
	16	0.4	214909	200W	53J	505850	6679600	*	GRID	sandy hard siltstone some Fe pebs
	17	0.3	214910	250W	53J	505800	6679600	*	GRID	sandy large Fe pebs sample in soil
	18	0.1	214911	300W	53J	505750	6679600	*	GRID	NO SAMPLE hard large Fe pebs
	19	0.1	214912	350W	53J	505700	6679600	*	GRID	as above
	20	0.3	214913	400W	53J	505650	6679600	*	GRID	as above
	21	0.2	214914	450W	53J	505600	6679600	*	GRID	sandy some Fe pebs sample in soil
	22	0.4	214915	500W	53J	505550	6679600	*	GRID	sandy some Fe pebs good sample
79550N	23	0.4	214916	0W	53J	506050	6679550	*	GRID	hard drilling soil sample only
	24	0.4	214917	50W	53J	506000	6679550	*	GRID	as above some calcrete
	25	0.4	214918	100W	53J	505950	6679550	*	GRID	as above some calcrete
	26	0.3	214919	150W	53J	505900	6679550	*	GRID	as above some calcrete
	27	0.2	214920	200W	53J	505850	6679550	*	GRID	sandy some return soil only
	28	0.3	214921	250W	53J	505800	6679550	*	GRID	sandy ironstone hard some return
	29	0.4	214922	300W	53J	505750	6679550	*	GRID	as above
	30	0.3	214923	350W	53J	505700	6679550	*	GRID	as above poor return
	31	0.3	214924	400W	53J	505650	6679550	*	GRID	as above poor return
	32	0.5	214925	450W	53J	505600	6679550	*	GRID	sandy hard near base return ok
	33	0.4	214926	500W	53J	505550	6679550	*	GRID	as above
79500N	34	0.4	214927	0W	53J	506050	6679500	*	GRID	as above
	35	0.4	214928	50W	53J	506000	6679500	*	GRID	sandy good return
	36	0.3	214929	100W	53J	505950	6679500	*	GRID	as above
	37	0.2	214930	150W	53J	505900	6679500	*	GRID	sandy Fe pebs some return hard
	38	0.2	214931	200W	53J	505850	6679500	*	GRID	as above return ok
	39	0.2	214932	250W	53J	505800	6679500	*	GRID	sandy outcrop poor return

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
	40	0.1	214933	300W	53J	505750	6679500	*	GRID	outcrop poor return
	41	0.2	214934	350W	53J	505700	6679500	*	GRID	sandy good return
	42	0.2	214935	400W	53J	505650	6679500	*	GRID	sandy good return
	43	0.5	214936	450W	53J	505600	6679500	*	GRID	sandy good return
	44	0.6	214937	500W	53J	505550	6679500	*	GRID	sandy good return
79450	45	0.4	214938	0W	53J	506050	6679450	*	GRID	sandy return ok
	46	0.2	214939	50W	53J	506000	6679450	*	GRID	as above
	47	0.4	214940	100W	53J	505950	6679450	*	GRID	sandy siltstone return ok
	48	0.3	214941	150W	53J	505900	6679450	*	GRID	as above some return
	49	0.6	214942	200W	53J	505850	6679450	*	GRID	sandy ironstone return ok
	50	0.4	214943	250W	53J	505800	6679450	*	GRID	sandy Fe pebs hard soil sample only
	51	1.6	214944	300W	53J	505750	6679450	*	GRID	sandy ironstone good return
	52	1.5	214945	350W	53J	505700	6679450	*	GRID	as above
	53	1.8	214946	400W	53J	505650	6679450	*	GRID	as above
	54	0.3	214947	450W	53J	505600	6679450	*	GRID	sandy siltstone hard return ok
	55	0.2	214948	500W	53J	505550	6679450	*	GRID	as above good return
79400	56	0.9	214949	0W	53J	506050	6679400	*	GRID	INTERSECTS 6679400N
	57	0.9	214950	100W	53J	505950	6679401	*	GRID	sandy siltstone return ok
	58	0.4	214951	200W	53J	505850	6679402	*	GRID	sandy ironstone hard return ok
	59	4	214952	300W	53J	505750	6679403	*	GRID	as above
	60	0.3	214953	400W	53J	505650	6679404	*	GRID	as above
	61	1	214954	500W	53J	505550	6679405	*	GRID	as above
79350	62	4	214955	0W	53J	506050	6679300	*	GRID	sandy poor reaction
	63	2	214956	50W	53J	506000	6679300	*	GRID	sandy soil sample only
	64	0.8	214957	100W	53J	505950	6679300	*	GRID	as above
	65	5	214958	150W	53J	505900	6679300	*	GRID	sandy soil sample only poor reaction
	66	0.3	214959	200W	53J	505850	6679300	*	GRID	sandy ironstone some return
	67	0.3	214960	250W	53J	505800	6679300	*	GRID	as above reaction ok
	68	1.8	214961	300W	53J	505750	6679300	*	GRID	sandy some return hard base
	69	5	214962	350W	53J	505700	6679300	*	GRID	sandy some return poor reaction
	70	0.9	214963	400W	53J	505650	6679300	*	GRID	sandy good return
	71	2	214964	450W	53J	505600	6679300	*	GRID	sandy some return / reaction
	72	4.5	214965	500W	53J	505550	6679300	*	GRID	as above

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
79300	73	3	214966	0W	53J	506050	6679300	*	GRID	sandy soil sample only
	74	2.5	214967	50W	53J	506000	6679300	*	GRID	as above poor reaction
	75	0.4	214968	100W	53J	505950	6679300	*	GRID	as above
	76	0.2	214969	150W	53J	505900	6679300	*	GRID	as above hard
	77	0.4	214970	200W	53J	505850	6679300	*	GRID	sandy some return
	78	1.3	214971	250W	53J	505800	6679300	*	GRID	sandy good reaction
	79	2	214972	300W	53J	505750	6679300	*	GRID	sandy some reaction
	80	1.6	214973	350W	53J	505700	6679300	*	GRID	sandy some return
	81	0.4	214974	400W	53J	505650	6679300	*	GRID	sandy good return
	82	2	214975	450W	53J	505600	6679300	*	GRID	sandy poor return
	83	2	214976	500W	53J	505600	6679300	*	GRID	sandy siltstone some return
79250	84	0.4	214977	0W	53J	506050	6679250	*	GRID	sandy some reaction
	85	0.4	214978	50W	53J	506000	6679250	*	GRID	sandy poor reaction
	86	3	214979	100W	53J	505950	6679250	*	GRID	sandy soil sample only
	87	0.3	214980	150W	53J	505900	6679250	*	GRID	sandy recovery ok
	88	0.3	214981	200W	53J	505850	6679250	*	GRID	sandy good recovery
	89	2	214982	250W	53J	505800	6679250	*	GRID	sandy reaction in soil only
	90	0.3	214983	300W	53J	505750	6679250	*	GRID	sandy good calcrete recovery
	91	1	214984	350W	53J	505700	6679250	*	GRID	sandy soil sample only
	92	1.3	214985	400W	53J	505650	6679250	*	GRID	as above
	93	2	214986	450W	53J	505600	6679250	*	GRID	as above
	94	1.8	214987	500W	53J	505550	6679250	*	GRID	sandy recovery ok
79200	95	0.5	214988	0W	53J	506050	6679200	*	GRID	sandy some return
	96	3	214989	50W	53J	506000	6679200	*	GRID	sandy soil sample only
	97	5	214990	100W	53J	505950	6679200	*	GRID	as above
	98	2	214991	150W	53J	505900	6679200	*	GRID	as above
	99	1.6	214992	200W	53J	505850	6679200	*	GRID	sandy some return
	100	2	214993	250W	53J	505800	6679200	*	GRID	sandy soil sample only
	101	3	214994	300W	53J	505750	6679200	*	GRID	sandy poor sample return
	102	1.2	214995	350W	53J	505700	6679200	*	GRID	sandy some sample return
	103	2	214996	400W	53J	505650	6679200	*	GRID	as above
	104	3	214997	450W	53J	505600	6679200	*	GRID	as above
	105	2	214998	500W	53J	505550	6679200	*	GRID	sandy return ok

LINE	HOLE	DEPTH	R NO	STATION	ZONE	EASTING	NORTHING	ALT	ATTRIB	COMMENTS
79150	106	0.2	214999	0W	53J	506050	6679150	*	GRID	sandy some Fe pebs hard poor return
	107	3	215000	50W	53J	506000	6679150	*	GRID	sandy some return poor reaction
	108	3.5	215001	100W	53J	505950	6679150	*	GRID	as above
	109	5	215002	150W	53J	505900	6679150	*	GRID	as above
	110	2.7	215003	200W	53J	505850	6679150	*	GRID	sandy good return
	111	4	215004	250W	53J	505800	6679150	*	GRID	sandy poor return soil only
	112	2	215005	300W	53J	505750	6679150	*	GRID	sandy some return
	113	3	215006	350W	53J	505700	6679150	*	GRID	as above
	114	2.7	215007	400W	53J	505650	6679150	*	GRID	as above
	115	2.8	215008	450W	53J	505600	6679150	*	GRID	as above
	116	2.8	215009	500W	53J	505550	6679150	*	GRID	sandy good return

Appendix 2.

Calcrete sampling assay results

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
509600E	1	0.35	185741	5	0.58	28	23	120000	160	8.4	18
	2	0.6	185742	4.9	0.85	18	19	119000	120	3.2	7.5
	3	1.2	185743	5.5	0.83	16	16	82400	200	2.4	8
	4	1.5	185744	2.7	0.56	16	18	96400	140	2.1	7
	5	1.8	185745	2.4	0.45	14	14	69800	145	3	16
	6	1.8	185746	3.8	0.63	15	14	57500	180	2.5	9
	7	1.8	185747	4.6	0.64	15	16	85000	160	24	21
	8	1.6	185748	3	0.66	16	8	50600	180	11	16
	9	1.7	185749	8	0.86	15	17	97000	145	2.2	8.5
	10	1.5	185750	7	1.04	17	11	64500	200	2.2	13
	11	1	185751	5.5	0.92	17	22	141000	145	1.3	5
	12	1.6	185752	7	0.89	17	15	75400	125	1.3	13
	13	1.7	185753	5	0.76	15	10	61800	165	1.7	18
	14	2.2	185754	1.45	0.41	13	17	102000	320	3.1	24
	15	1.8	185755	5.5	0.51	13	10	58000	370	1.5	11
	16	2.4	185756	0.65	0.51	12	14	68500	115	0.85	18
	17	1.8	185757	10	1.49	17	8	28000	75	2.2	9
	18	0.5	185758	1.2	0.36	9	8	31100	105	2.5	32
	19	0.4	185759	3.7	0.34	10	5	26700	105	12	135
	20	0.4	185760	0.9	0.44	12	6	32500	145	1.7	201
	21	1.2	185761	4.9	0.97	12	8	28700	250	1.3	6
	22	1.7	185762	5.5	0.5	10	7	35900	90	1.2	36
	23	1.7	185763	18.5	0.71	12	8	20300	90	2	7
	24	1.8	185764	13	0.81	12	11	35900	115	1.2	3.5
	25	0.3	185765	10	0.41	10	8	31300	75	1.6	21
	26	0.2	185766	12	0.48	12	7	26900	75	3.4	20
	27	0.2	185767	17.5	1.34	27	12	29800	45	2.5	9.5

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
510000E	1	1	185769	14.5	0.63	14	40	62700	60	2.3	9.5
	2	0.2	185770	19	0.67	13	9	27400	50	2.6	19
	3	0.3	185771	8	0.7	15	18	93100	100	4.4	12
	4	0.5	185772	7.5	1.25	19	20	108000	100	1.6	3
	5	1.3	185773	8	1.96	20	13	69300	140	1.9	12
	6	0.6	185774	9	0.73	15	28	154000	115	2.7	24
	7	0.8	185775	13	1.25	20	19	120000	95	1.5	19
	8	0.7	185776	10.5	0.37	12	30	210000	110	1.3	17
	9	1.8	185777	11	1.27	16	13	66900	100	1.9	20
	10	1.7	185778	14.5	0.82	13	19	101000	125	1	4.5
	11	1.7	185779	7	1.44	16	12	54700	150	1.3	6.5
	12	1.6	185780	13.5	1.01	16	16	80500	80	2.4	24
	13	1.7	185781	11	1.61	19	12	48600	130	1.4	6
	14	1.7	185782	7	1.69	20	14	76000	145	1.2	5
	15	1.8	185783	8.5	1.15	16	9	43700	120	1.5	7
	16	2.4	185784	8	0.92	12	11	74800	100	0.9	8.5
	17	1.5	185785	4.7	0.65	14	23	155000	120	1.1	9.5
	18	1.7	185786	8	0.77	14	14	72200	70	1.4	7.5
	19	1.5	185787	18.5	1.65	22	8	12000	25	2.6	9
	20	1.8	185788	10.5	1.53	18	21	22300	40	1.7	20
	21	1.8	185789	16	1.78	22	13	21200	55	3.8	7.5
	22	2.4	185790	7.5	1.34	16	27	41200	165	1.6	9
	23	1.4	185791	14	0.73	15	16	27000	90	1.4	4.5
	24	0.3	185792	10.5	0.64	12	16	23500	60	2	38
	25	0.6	185793	11	0.6	11	8	28600	80	1.6	25
	26	0.5	185794	7.5	0.66	11	9	25700	90	1.4	51
	27	0.6	185795	11.5	0.52	11	10	29800	60	1.9	65

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
510400E	1	0.8	185796	8	0.67	14	15	57800	110	2.9	6.5
	2	0.5	185797	6.5	0.69	16	14	107000	160	2.1	10
	3	0.4	185798	9	0.71	15	19	127000	140	3.1	17
	4	1.6	185799	2.9	0.77	17	9	64300	600	1.2	8.5
	5	0.9	185800	9	0.59	14	12	63100	165	1.6	6.5
	6	0.8	185801	4.2	0.24	6	5	22800	60	1.7	24
	7	0.6	185802	10.5	1.56	27	19	101000	100	4.4	12
	8	0.7	185803	6	2.55	29	10	99600	160	98	23
	9	1.2	185804	2.6	0.53	12	19	246000	230	0.85	33
	10	0.6	185805	12	1.74	21	10	90200	140	11	6
	11	1.1	185806	16	1.45	19	8	32600	105	2.1	13
	12	1	185807	13.5	2.19	26	9	43800	100	6	9.5
	13	0.8	185808	16	1.82	25	9	34700	85	1.9	7.5
	14	1.3	185809	12.5	1.36	21	8	41500	115	3.5	6.5
	15	2.1	185810	7.5	1.05	16	8	64200	270	0.55	7
	16	2.5	185811	4.4	0.94	16	12	72300	150	1.7	19
	17	1.7	185812	7.5	1.25	17	10	58500	115	0.85	4.5
	18	1.7	185813	7.5	1.03	17	11	59500	120	1.6	6
	19	1.7	185814	12	0.95	15	6	32600	95	1.7	7.5
	20	0.8	185815	11	0.83	12	7	28200	95	1.6	10
	21	1.7	185816	5.5	0.87	14	42	38900	145	3.7	94
	22	0.5	185817	6.5	0.67	12	27	29900	90	2.1	31
	23	1.9	185818	3.9	0.51	12	14	60500	115	0.7	39
	24	0.8	185819	15	0.8	15	8	21900	75	3.4	21
	25	0.6	185820	12	1.18	19	23	29300	90	1.3	18
	26	0.5	185821	21.5	0.85	15	9	28800	75	3.4	12
	27	0.5	185822	23.5	0.67	15	7	23200	70	1.5	6.5

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
510800E	1	0.2	185823	10.5	1.17	13	10	22100	65	4.3	34
	2	0.3	185824	8.5	0.91	17	38	57400	50	4.7	14
	3	0.3	185825	8	0.79	18	14	36500	75	1.9	13
	4	0.2	185826	8.5	0.74	14	8	40700	90	3.1	17
	5	0.3	185827	6	0.85	15	13	56200	115	1.6	6
	6	0.8	185828	7.5	1.1	18	25	92400	110	1	4.5
	7	0.8	185829	6	0.53	15	29	130000	75	0.75	7.5
	8	0.8	185830	10.5	1.69	24	11	105000	135	0.95	8
	9	0.5	185831	6.5	1.29	20	14	90600	230	1	3.5
	10	0.7	185832	11	1.41	23	7	65000	105	1.4	5.5
	11	1.6	185833	11.5	0.92	15	12	90800	145	0.9	4.5
	12	1.3	185834	8.5	1.38	20	7	55700	170	1.1	4
	13	1.6	185835	5.5	1.22	20	7	48900	180	1.3	9.5
	14	2.1	185836	3.5	0.78	16	9	58600	145	0.45	3.5
	15	1.6	185837	6.5	1.22	22	7	54900	180	1.5	8.5
	16	1.5	185838	9.5	0.78	17	11	173000	145	0.65	7.5
	17	1.8	185839	5	0.88	13	11	113000	105	0.65	5
	18	1.8	185840	6	1.03	21	12	127000	180	0.7	4.5
	19	2	185841	6	0.44	13	22	221000	115	0.45	8.5
	20	2	185842	6.5	0.58	14	11	187000	165	0.15	3
	21	2.1	185843	7.5	0.98	20	9	61000	180	0.8	9
	22	2.5	185844	9	0.93	15	8	29800	130	1.4	5.5
	23	1.7	185845	6.5	0.52	12	15	39400	180	1.5	16
	24	1.3	185846	14.5	0.74	15	15	25800	75	2	9.5
	25	1.7	185847	10	0.77	17	14	32300	95	1.5	4.5
	26	1.3	185848	17.5	0.65	16	28	28500	70	1.3	11
	27	1.4	185849	13.5	0.98	18	9	33700	155	1.2	5

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
511200E	1	0.4	185850	5.5	0.35	11	29	101000	120	2	12
	2	0.2	185851	12	0.42	10	15	31900	90	2.5	11
	3	0.3	185852	7	0.97	15	6	25800	80	1.9	9
	4	0.2	185853	10	0.83	15	17	40100	80	3.4	14
	5	0.2	185854	10	0.53	16	13	51700	85	1.7	32
	6	0.2	185855	5.5	1.01	19	45	129000	115	1.5	9.5
	7	0.4	185856	7	0.81	18	29	105000	105	1.2	7
	8	2.4	185857	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	9	2	185858	2	0.63	15	11	85200	175	0.85	62
	10	2.4	185859	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	11	2.2	185860	10	0.96	17	8	63000	120	0.6	6.5
	12	2.3	185861	9	0.74	15	17	84000	160	1	7
	13	2.6	185862	6	1.05	17	7	45000	180	0.45	4
	14	2.2	185863	3.2	1.03	17	11	73100	135	0.7	6.5
	15	2.2	185864	7	1.04	15	15	78500	145	0.75	6
	16	2	185865	2.6	1.02	18	10	77900	160	1.4	12
	17	0.3	185866	21.5	1.05	13	8	61300	80	0.5	5.5
	18	2.3	185867	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	19	1.6	185868	9	0.93	15	10	112000	130	1.4	15
	20	2.2	185869	7	0.85	13	8	104000	170	0.65	3.5
	21	2	185870	10	0.75	13	7	88500	115	0.9	8
	22	2	185871	6.5	0.75	14	6	40200	120	0.95	7
	23	2.1	185872	16.5	0.85	15	7	34100	130	1.6	14
	24	2	185873	6.5	0.76	16	8	50900	220	0.65	12
	25	2.4	185874	6.5	0.86	16	9	48000	175	1.3	5
	26	2.2	185875	<0.01	<0.01	<1	<1	<100	<5	0.8	9.5
	27	2.2	185876	1.15	1.12	19	10	54900	250	1.2	5

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
511600E	1	0.2	185877	6	1.1	14	15	82000	90	2	8.5
	2	0.2	185878	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	3	0.2	185879	1.1	0.56	7	11	33200	65	1.3	6
	4	0.2	185880	3.8	0.36	9	16	73100	195	1.9	40
	5	0.6	185881	10	1.35	12	19	31200	45	2.1	9
	6	0.4	185882	3.2	2.1	20	11	38800	90	2	16
	7	0.6	185883	2.8	1.34	19	28	82300	70	1.1	6.5
	8	1.2	185884	14	1.93	22	8	21000	40	2.5	8
	9	1.2	185885	6	1.24	23	30	155000	80	2.2	10
	10	0.7	185886	10	0.3	12	33	174000	55	0.7	17
	11	0.5	185887	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	12	1	185888	10	0.68	14	8	61400	110	1.7	169
	13	1.7	185889	12.5	1.13	17	9	61000	100	0.95	7.5
	14	1.8	185890	10.5	1.22	21	10	64700	170	1.4	11
	15	1.8	185891	5.5	0.94	16	12	70200	280	0.55	10
	16	2.2	185892	7.5	0.93	16	9	54000	310	0.5	6
	17	1.1	185893	7.5	1.43	20	8	60300	155	0.8	5
	18	1	185894	4.6	0.94	13	10	166000	160	0.55	12
	19	1.2	185895	8	1.06	16	11	190000	135	0.8	5.5
	20	1.6	185896	6.5	0.79	15	7	104000	190	0.65	3.5
	21	1.3	185897	9.5	1.11	18	5	40200	195	1.2	12
	22	2.4	185898	15	0.89	14	6	45600	110	0.7	4.5
	23	2.5	185899	3	0.85	18	5	68600	170	0.8	5
	24	2	185900	11.5	0.82	14	5	56900	135	0.65	5.5
	25	2.6	185901	8.5	0.73	14	4	37400	160	1	6.5
	26	2.2	185902	21	0.84	9	<1	14700	60	0.45	2
	27	3	185903	0.91	0.62	15	8	54300	280	1.1	41

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
512000E	1	1.8	185950	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	2	1.3	185951	2.2	0.94	14	12	68700	130	0.55	3
	3	1.4	185952	2.1	0.58	12	17	88800	170	1.1	22
	4	0.4	185953	9	0.94	18	21	82000	75	2.4	22
	5	0.4	185954	10	0.81	15	25	75100	65	2.7	15
	6	0.8	185955	8.5	0.96	14	20	38900	65	2.7	19
	7	0.3	185956	0.69	0.22	7	11	49000	95	0.85	51
	8	0.3	185957	1.2	0.76	11	17	56200	110	2.3	16
	9	0.4	185958	10.5	0.47	12	40	130000	130	1.8	16
	10	0.4	185959	3.4	0.66	18	28	131000	145	1.9	23
	11	0.5	185960	2.4	0.77	15	23	93800	165	1.5	29
	12	0.6	185961	1.7	0.84	19	50	166000	125	1.9	14
	13	0.5	185962	1.35	0.69	16	23	104000	190	0.9	17
	14	1.6	185963	4.5	0.51	12	9	61900	230	0.7	4.5
	15	1.3	185964	5.5	0.58	15	14	90400	200	1.7	19
	16	1.6	185965	2.6	0.71	15	8	58900	170	1.9	31
	17	0.6	185966	3.2	0.57	14	10	73900	150	1.6	22
	18	2.4	185967	6.5	0.96	15	10	94600	200	0.6	6
	19	0.7	185968	4.2	1	16	9	62700	145	1.7	60
	20	1.8	185969	8	0.93	16	15	181000	155	0.9	14
	21	1.6	185970	6	0.95	16	12	130000	250	0.85	6.5
	22	1.7	185971	4.7	0.53	13	10	72000	160	0.95	23
	23	1.8	185972	16	0.78	13	7	72500	135	0.7	4.5
	24	2.9	185973	7	0.66	11	9	55700	150	0.5	6
	25	2.8	185974	21	0.94	9	2	19800	80	0.35	3
	26	3	185975	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	27	4.5	185976	26.5	0.72	6	<1	13500	60	0.35	4.5

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
512400E	1	1.6	185977	2.9	1.03	14	19	110000	155	0.8	6
	2	1.3	185978	8.5	0.59	13	27	111000	85	1.2	14
	3	1.5	185979	5.5	0.69	14	27	125000	90	2.1	21
	4	0.2	185980	17	1.42	20	6	9250	50	3	16
	5	2.4	185981	0.95	0.21	6	11	41900	55	0.3	15
	6	0.2	185982	12.5	1.04	16	6	23400	70	3	24
	7	0.3	185983	3.8	0.79	16	22	82600	115	2.2	23
	8	0.6	185984	4.5	0.58	13	13	79300	160	1	13
	9	0.5	185985	7	1.17	17	13	51200	120	2.3	17
	10	0.9	185986	5.5	0.99	18	18	86900	140	1.3	11
	11	1.7	185987	9	1.53	18	9	67100	180	0.7	3
	12	0.2	185988	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	13	1.7	185989	8	2.08	24	18	85600	260	0.9	4
	14	1.8	185990	9	1.16	16	22	95200	280	0.85	5.5
	15	1.6	185991	9	0.99	19	17	129000	270	0.8	5
	16	1.3	185992	2.1	0.85	17	8	76100	280	0.85	12
	17	2	185993	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	18	3	185994	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	19	2.7	185995	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	20	3	185996	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	21	2.7	185997	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	22	2.7	185998	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	23	3	185999	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	24	2.8	186000	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	25	1.8	186001	8.5	0.79	15	4	50200	170	0.7	21

NORTHGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
512800E	1	1.8	186002	6	0.9	13	42	152000	105	1.3	283
	2	0.2	186003	3.3	0.92	14	30	139000	95	2.3	91
	3	0.3	186004	8	0.81	12	17	55300	60	2.8	1500
	4	1.8	186005	2.7	0.5	8	10	33600	60	0.7	125
	5	0.8	186006	7.5	0.65	9	6	26100	60	1.9	172
	6	1.4	186007	11	0.75	14	7	25900	60	2.7	132
	7	0.7	186008	8	1.01	12	11	23900	55	1.8	387
	8	0.3	186009	0.89	0.55	8	42	108000	105	0.9	175
	9	0.6	186010	1.05	0.34	7	28	85100	80	0.95	82
	10	0.8	186011	0.99	0.45	10	24	139000	100	1.2	962
	11	0.5	186012	6	1.1	21	30	127000	95	2.1	33
	12	0.5	186013	7.5	1.78	23	16	113000	125	1.1	18
	13	0.8	186014	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	14	0.3	186015	6.5	0.46	13	18	109000	130	0.95	103
	15	0.5	186016	2.9	0.48	14	13	96300	190	1.2	110
	16	0.6	186017	2	0.67	25	17	101000	800	0.9	30
	17	3	186018	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	18	*	186019	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	19	*	186020	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	20	*	186021	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	21	*	186022	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	22	3	186023	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	23	4	186024	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	24	1.8	186025	12.5	0.95	13	4	31200	125	0.7	13
	25	1.3	186026	1.7	1.42	20	5	42600	180	1	4.5
	26	1.8	186027	15.5	0.89	10	5	31200	115	0.5	6

NORTHGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
513200E	1	1.8	186028	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	2	1.5	186029	5.5	0.64	13	18	101000	120	1.2	150
	3	1.5	186030	17.5	1.02	19	7	21800	70	3	45
	4	0.2	186031	8	0.61	10	11	48400	95	1.9	94
	5	0.4	186032	4.3	0.6	15	28	101000	120	1.5	126
	6	0.7	186033	8	1.29	20	32	109000	105	2.9	40
	7	1.1	186034	9.5	0.7	12	22	80000	120	1.2	25
	8	1.2	186035	9.5	0.59	15	16	84700	185	1.2	33
	9	2.8	186036	1.1	0.66	14	21	120000	210	0.7	9
	10	2	186037	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	11	1.8	186038	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	12	2	186039	2.2	0.56	18	17	131000	390	0.8	41
	13	3	186040	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	14	2.8	186041	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	15	3	186042	2.3	0.73	18	6	44600	240	0.4	13
	16	4	186043	0.83	0.53	15	9	65500	240	0.5	32
	17	3	186044	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	18	3	186045	0.61	0.94	19	6	59400	380	0.55	21
	19	1.7	186046	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	20	3	186047	0.8	0.65	19	7	63200	420	0.45	21
	21	1.8	186048	5.5	1.03	19	7	57400	190	0.75	8
	22	1.8	186049	1.7	1.02	17	5	48600	200	0.75	13
	23	1.4	186050	7.5	1.11	15	3	34900	165	0.55	3
	24	1.8	186051	16.5	0.88	9	4	34800	75	0.3	7
	25	1.5	186052	25	0.84	7	<1	10700	40	0.15	4.5

NORTHGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
513600E	1	1.7	186054	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	2	0.7	186055	1.3	0.36	9	27	151000	70	1	125
	3	0.3	186056	10	0.78	14	8	24000	90	3.6	32
	4	0.3	186057	1.4	1.05	10	24	79600	95	1.4	47
	5	0.4	186058	1.3	0.61	13	9	52700	185	1.1	25
	6	1	186059	4.2	0.65	12	52	184000	85	1.4	17
	7	1.2	186060	6.5	0.82	15	17	81800	150	1.1	17
	8	1.1	186061	3	0.71	15	30	140000	165	0.75	7.5
	9	1.4	186062	2	0.92	16	17	84300	170	1.1	30
	10	1.2	186063	1.1	0.78	17	24	132000	200	0.9	19
	11	3	186064	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	12	3	186065	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	13	3	186066	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	14	3	186067	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	15	3	186068	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	16	3	186069	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	17	4	186070	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	18	3	186071	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	19	3	186072	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	20	2.8	186073	7.5	1	16	6	45400	220	0.85	10
	21	1.8	186074	9	1.19	16	8	50400	195	0.7	34
	22	1.7	186075	4.3	0.93	15	16	89900	175	0.45	5
	23	2	186076	13	1.01	13	2	28900	120	0.85	6.5
	24	1.7	186077	3.9	0.71	12	7	44100	185	0.4	50
	25	1.9	186078	5.5	0.8	12	10	57800	155	0.5	12

NORTHGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
514000E	1	0.4	186079	4.3	1.2	18	11	54500	145	2.4	82
	2	1.1	186080	7	1.29	17	9	28700	85	1.6	52
	3	0.8	186081	9	0.85	16	11	43000	95	1.8	31
	4	1	186082	11	1.13	16	11	29700	105	2.8	32
	5	0.4	186083	10.5	0.77	13	11	42500	115	3.4	55
	6	0.2	186084	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	7	0.9	186085	2.2	0.62	15	33	149000	140	1.3	18
	8	1.3	186086	4.5	0.7	13	15	79300	220	0.6	6.5
	9	1.4	186087	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	10	3	186088	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	11	1.3	186089	2.6	0.78	17	6	44300	240	1.7	38
	12	1.4	186090	3.4	1.24	20	5	43700	230	2	41
	13	3	186091	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	14	3	186092	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	15	3	186093	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	16	2.6	186094	3.7	1.14	19	7	53500	185	0.7	4
	17	1.7	186095	7	0.99	16	4	34000	200	0.3	2.5
	18	1.3	186096	5.5	0.94	15	4	39000	195	1	23
	19	1	186097	1.95	1.05	17	12	71900	210	1.2	19
	20	2	186098	3.1	0.98	18	5	39600	250	1	61
	21	4	186099	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	22	3	186100	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	23	2	186101	12	0.75	13	7	64200	175	0.6	6.5
	24	1.7	186102	3.4	0.86	17	5	42600	200	1	9.5
	25	0.7	186103	1.55	0.86	18	18	95400	210	1.1	14

NORTHGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
514400E	1	1.6	186104	1.45	1.05	18	13	81400	180	0.9	19
	2	0.8	186105	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	3	0.4	186106	4.5	1.16	20	23	95800	165	1.3	78
	4	0.8	186107	5.5	1.3	16	24	64300	90	1.6	13
	5	0.9	186108	9	1.31	19	15	38000	120	2.6	58
	6	0.6	186109	3.2	1.23	17	10	40400	145	1.8	26
	7	2	186110	2.2	0.76	13	8	43900	130	2.3	36
	8	3	186111	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	9	1.9	186112	3.3	0.94	15	5	41400	165	1.4	27
	10	2.5	186113	4.8	0.97	18	5	39400	195	0.85	33
	11	2.5	186114	3.3	0.93	17	4	40100	290	0.65	37
	12	0.6	186115	1.2	1.05	19	7	51800	240	0.75	10
	13	1.3	186116	3.8	0.75	14	12	82000	180	0.65	6.5
	14	2	186117	3.6	0.81	16	10	59500	210	0.55	5.5
	15	1.2	186118	13.5	0.9	12	6	41400	130	0.65	6.5
	16	1.8	186119	2.9	1.05	16	5	38400	200	0.8	3
	17	2.1	186120	4.3	1.05	16	6	44000	200	0.8	10
	18	1.8	186121	7.5	1.03	16	4	37500	200	2.9	7.5
	19	3	186122	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	20	1.8	186123	8	0.87	15	5	38300	210	1.1	11
	21	1	186124	7.5	0.84	14	4	30200	185	1	14
	22	1.9	186125	8.5	0.9	15	4	29300	180	1.1	4.5
	23	3	186126	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	24	1.6	186127	14	0.88	12	4	30500	130	1.2	15
	25	3	186128	3	0.9	17	4	34600	160	1.2	22

NORTHGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
514800E	1	2	186129	1.8	0.75	16	12	82900	185	0.75	7
	2	3	186130	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	3	3	186131	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	4	4	186132	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	5	3	186133	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	6	3	186134	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	7	3	186135	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	8	1.6	186136	9.5	0.81	14	7	46400	210	1.4	41
	9	6	186137	2.1	0.97	18	5	38100	260	0.9	21
	10	1.7	186138	5.5	0.83	14	4	31700	200	1.1	18
	11	2	186139	7	0.86	15	3	30700	135	1.9	26
	12	3	186140	1.2	0.97	18	4	37300	260	0.85	11
	13	1.8	186141	3.4	0.93	17	4	38000	240	1.4	19
	14	1.8	186142	0.83	0.79	17	6	45300	240	1.2	50
	15	2	186143	0.96	0.79	17	6	46200	210	0.85	20
	16	2	186144	6	1	16	4	34900	180	1.2	9.5
	17	1.9	186145	5.5	0.82	16	11	67300	195	1.1	12
	18	1.2	186146	2.9	0.96	18	8	50500	230	2.4	23
	19	2.1	186147	2.2	0.69	14	5	38200	220	1.7	6
	20	1.9	186148	1.5	0.78	16	10	57500	260	0.8	11
	21	1.4	186149	3.1	0.87	15	13	82700	190	1	7
	22	0.6	186150	9	0.81	17	10	57800	160	1.3	11
	23	2.8	186151	5.5	1.04	17	7	45500	220	1.1	3.5
	24	1.9	186152	1.25	0.92	17	8	52200	210	0.8	8.5
	25	1.8	186153	3.3	0.69	15	12	62000	230	1	15

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
515200E	1	2	186154	3.7	0.98	16	5	38800	195	1.1	31
	2	3	186155	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	3	2.5	186156	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	4	2.5	186157	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	5	2.6	186158	2.1	0.93	16	5	36100	240	0.6	2.5
	6	4	186159	2.7	0.84	19	5	42700	340	0.75	36
	7	3	186160	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	8	2.7	186161	3.5	0.92	16	5	40400	250	1.3	16
	9	2.8	186162	1.2	0.98	16	5	36800	220	0.4	2.5
	10	1.5	186163	6.5	1.11	16	5	30800	210	1.6	25
	11	3	186164	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	12	3	186165	1.65	1.03	19	5	40800	270	1.2	39
	13	1.9	186166	6	1.02	16	4	32700	210	1	19
	14	3	186167	1.35	0.77	17	10	65400	350	1	28
	15	1.8	186168	8	0.94	15	5	35600	180	1.5	19
	16	1.9	186169	7	0.91	15	5	38000	200	1.2	49
	17	2.4	186170	3.2	0.94	16	6	37300	230	0.6	16
	18	2	212546	7.5	1.16	16	6	36500	165	1.2	32
	19	1.8	212547	9.5	0.98	17	5	35200	200	1.3	17
	20	3	212548	1.25	0.91	18	6	45500	230	0.45	6.5
	21	2	212549	5	0.96	16	7	41900	155	1.3	14
	22	3	212550	3.7	0.9	15	6	38000	230	0.65	9.5
	23	2	212551	8	1.1	15	4	29300	150	0.85	8
	24	1.9	212552	7	0.95	17	13	71400	180	0.85	6
	25	1.9	212553	7.5	0.99	18	5	36800	130	1.4	7
	26	1.6	212554	9	1.07	16	4	30900	175	0.8	15
	27	1.7	212555	3.7	0.89	16	7	45800	200	0.75	11

HKN4 GRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
511500E	1	0.2	185926	5.5	0.71	12	17	69100	70	1.4	3.5
	2	0.2	185927	10.5	0.69	13	19	61100	130	4.1	31
	3	0.2	185928	6.5	0.59	11	7	37000	75	2.5	67
	4	0.3	185929	11.5	0.51	12	6	31800	85	5.3	25
	5	0.2	185930	0.88	0.32	12	10	63400	160	0.65	127
511550E	6	0.3	185931	5	0.58	12	26	131000	80	1.9	12
	7	0.2	185932	3.5	0.76	10	12	40800	75	2.2	12
	8	0.2	185933	4.9	0.82	13	18	102000	85	1.8	15
	9	0.2	185934	4.7	0.42	12	21	103000	135	1.3	18
	10	1.5	185935	8	0.41	10	8	32100	55	2.6	17
511600E	11	1.4	185936	1.3	0.52	8	17	58100	70	0.85	8
	12	1.3	185937	1.05	0.48	8	25	89500	50	1.3	3.5
			*	*	*	*	*	*	*	*	*
	13	1.2	185938	1.15	0.55	9	20	56400	65	0.65	13
	14	1.2	185939	2.8	0.5	12	20	78900	90	1.5	22
511650E	15	1	185940	3.7	0.91	15	9	46500	145	1.9	14
	16	0.9	185941	2.5	0.77	15	14	71100	135	1.9	14
	17	0.2	185942	3.5	0.87	14	17	69400	95	1.2	14
	18	0.2	185943	1.7	0.55	12	35	136000	125	1.3	17
	19	0.2	185944	6	1.1	14	10	42400	65	2.5	24
511700E	20	0.2	185945	8.5	1.18	20	27	136000	90	1.7	8.5
	21	0.3	185946	7	0.96	14	14	63700	110	1.5	6
	22	0.3	185947	2.7	0.5	10	10	46900	90	1.5	9
	23	0.3	185948	5.5	0.9	12	40	112000	85	1.8	8
	24	0.4	185949	6	0.81	15	13	61100	115	3.4	29

HKN53 GRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
511500E	1	1.6	185904	7	1.29	17	7	33000	145	0.7	5
	2	2.3	185905	6	1	15	8	43000	155	0.6	4
	3	1.6	185906	6	1.56	21	6	34900	130	1.2	8.5
	4	1.5	185907	12	1.53	20	4	26600	130	1.4	8
	5	1.6	185908	3.4	1.21	16	8	46300	180	0.4	9
511550E	6	2.3	185909	3.1	0.63	13	24	94700	160	0.35	7.5
	7	2.2	185910	1.5	0.71	14	12	55900	165	0.4	4.5
	8	2.2	185911	4.5	0.88	15	15	90200	160	0.3	7
	9	2.2	185912	8.5	1.1	16	10	53000	155	0.4	6
	10	1.7	185913	5.5	1.54	21	10	81800	155	0.75	4.5
511600E			*	*	*	*	*	*	*	*	*
	11	1.7	185914	5.5	1.01	15	5	32700	155	0.75	9.5
			*	*	*	*	*	*	*	*	*
	12	0.6	185915	10	1.19	17	4	33500	120	1.2	13
			*	*	*	*	*	*	*	*	*
511650E	13	1.5	185916	9	0.86	16	7	49400	290	0.6	10
	14	1.6	185917	9.5	0.96	18	9	53900	150	0.95	8
	15	1.7	185918	11	0.68	14	20	73300	220	0.55	4.5
	16	1.8	185919	12	0.94	15	6	38400	130	0.85	7.5
	17	1.9	185920	12.5	1.25	21	12	66600	145	1	5
511700E	18	1.5	185921	10.5	0.89	15	5	44500	185	0.85	6.5
	19	1.8	185922	6.5	1.01	16	6	34500	210	0.7	8
	20	1.9	185923	2.5	0.97	17	6	49400	210	0.65	4
	21	1.7	185924	8	1.2	19	7	46400	155	0.9	4.5
	22	1.2	185925	9	1.76	22	6	60000	140	1.3	8.5

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
515600E	1	2	212556	3.1	0.9	15	4	34700	260	0.8	3
	2	3	212557	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	3	1.8	212558	2.3	0.86	16	10	60100	330	1.2	14
	4	0.4	212559	2.5	0.71	18	18	102000	280	1.7	16
	5	2	212560	6	0.9	14	6	39500	200	1.4	25
	6	2.5	212561	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	7	4	212562	1.75	0.95	17	5	38900	270	0.75	4
	8	2	212563	3.5	0.96	14	5	34300	230	1.1	8.5
	9	2.2	212564	1.75	1.07	14	5	38600	290	0.75	12
	10	3	212565	2.4	0.91	14	4	35600	260	0.65	3.5
	11	4.2	212566	1.8	1.02	16	4	38200	370	0.55	14
	12	3	212567	1.8	0.98	15	5	37800	270	0.45	5
	13	2.8	212568	3.5	0.95	15	5	36000	230	0.7	3.5
	14	2	212569	3.3	0.94	14	4	39600	210	1.4	12
	15	2	212570	2.8	0.97	15	4	34800	185	1.3	5
	16	1.7	212571	6.5	1.13	15	3	31400	170	1.7	5.5
	17	1.9	212572	7.5	0.95	14	3	29100	165	0.85	6
	18	2.8	212573	3.1	1.05	15	5	39200	220	0.65	6
	19	1.8	212574	9.5	0.99	15	11	72400	140	0.7	5.5
	20	1.8	212575	8	1.08	17	4	33200	145	1.1	8
	21	1.9	212576	5.5	0.52	16	23	136000	180	1.1	9
	22	1.8	212577	2.5	0.68	14	12	72900	145	0.85	13
	23	1.8	212578	1.65	0.9	16	9	61200	210	0.85	9
	24	4	212579	1.45	0.66	14	5	45900	175	0.55	4.5
	25	1.6	212580	5.5	0.82	15	7	44500	185	1.5	12
	26	1.9	212581	4.7	1.16	18	6	44300	170	1.7	21
	27	2	212582	8.5	1.3	19	6	32600	150	1.8	6.5

NORTHGRID											
LINE	HOLE	DEPTH	R NO.	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
516000E	1	3	212583	1.05	1.11	16	6	45100	360	0.95	6
	2	0.4	212584	8	1.08	17	12	53100	100	1.8	8.5
	3	2	212585	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	4	0.6	212586	5.5	1.02	15	7	46000	210	1.1	5.5
	5	1.6	212587	3	0.79	16	15	85000	230	1.3	18
	6	1.5	212588	0.86	1.03	15	8	52400	220	1.2	7
	7	1.2	212589	0.48	0.81	14	9	51400	145	1.4	6
	8	2.5	212590	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	9	3	212591	2.4	0.82	15	13	63800	350	0.9	7
	10	3	212592	0.7	0.66	13	11	55600	110	0.8	6.5
	11	2.7	212593	2.7	0.83	14	5	33300	260	1.5	6
	12	2	212594	2.6	0.96	15	6	37100	250	1.5	11
	13	2.1	212596	2.6	0.9	14	4	32400	230	1.3	7
	14	3	212597	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	15	2.2	212598	6	0.62	14	6	36500	155	2.1	17
	16	1.5	212599	5	0.65	15	7	38800	175	2.1	18
	17	1.2	212600	1.9	0.85	17	8	46100	230	1.5	17
	18	3	212601	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	19	1.6	212602	2.9	0.86	15	9	49000	240	1.3	11
	20	3	212603	3.7	0.87	15	5	33400	200	0.65	6
	21	4	212604	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	22	3	212605	0.73	0.84	16	5	37300	210	0.9	5
	23	1.8	212606	7.5	0.99	15	5	36500	165	1.2	6.5
	24	1.9	212607	6	0.85	12	3	26000	130	0.65	2.5
	25	0.6	212608	2.3	0.74	15	13	63800	210	0.95	5.5
	26	0.5	212609	<0.01	<0.01	<1	<1	<100	<5	1.3	6.5
	27	1.9	212610	20.5	1.97	34	24	107000	300	1.3	4.5

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
77000N	1	1.8	214873	5.5	0.79	22	64	95500	70	1.1	18
	2	1.8	214874	8	0.63	10	14	28700	40	0.95	33
	3	3	214875	4	0.54	11	37	50000	40	1.3	24
	4	1.5	214876	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	5	0.3	214877	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	6	0.3	214878	12	0.88	14	12	28500	60	3.9	15
	7	0.3	214879	6	0.53	18	22	94900	75	1.6	9
	8	2	214880	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	9	3	214881	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	10	3	214882	7.5	0.84	13	11	37100	75	0.75	4.5
	11	2.5	214883	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	12	6	214884	6.5	0.53	7	13	30100	45	0.55	10
	13	1	214885	12.5	1.57	16	14	24900	50	1.8	12
	14	0.3	214886	11.5	0.37	9	10	27100	75	3.1	19
	15	0.4	214887	14.5	0.3	9	15	55000	55	1.7	12
	16	0.3	214888	6	0.53	12	17	38300	115	0.9	64
	17	1.4	214889	11	0.3	8	7	30800	60	0.9	13
	18	0.5	214890	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	19	0.9	214891	8.5	0.41	14	32	163000	75	0.7	11
	20	0.2	214892	17	0.39	15	40	125000	65	0.35	5.5
	21	3	214893	9.5	0.52	9	14	60300	80	0.7	13

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
77400N	1	2	214852	5	0.82	13	17	31700	85	0.9	28
	2	3	214853	4.4	0.95	11	18	29000	70	0.95	5
	3	1.5	214854	4.8	1.03	16	16	35400	110	1	30
	4	1.8	214855	5	1.48	17	15	36500	95	0.7	29
	5	2.5	214856	3.1	0.8	12	16	45800	90	0.4	3.5
	6	2.2	214857	11	0.73	16	15	31300	70	0.65	9.5
	7	4.5	214858	6.5	0.64	22	69	74100	50	1.4	4
	8	1.3	214859	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	9	0.3	214860	12.5	0.98	16	8	19400	65	2	18
	10	0.5	214861	5.5	0.65	15	14	39100	125	0.8	16
	11	1.8	214862	9.5	0.72	15	15	26900	85	1.8	14
	12	1.8	214863	13	0.69	14	6	19400	50	1.7	7.5
	13	2	214864	5.5	0.65	16	15	58000	105	0.5	11
	14	2	214865	7	0.54	14	13	49400	95	0.5	10
	15	1	214866	10	0.48	12	9	30800	80	1.5	18
	16	3	214867	5.5	0.56	10	12	42600	80	0.4	2
	17	3	214868	7	0.44	7	12	29800	50	0.35	12
	18	2	214869	9.5	0.85	11	9	24300	45	0.95	13
	19	1.4	214870	4.8	0.29	9	24	91100	80	1.1	29
	20	1.8	214871	9	0.44	9	15	63400	85	1	5.5
	21	1.5	214872	7	0.7	7	9	43200	75	0.65	16

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
77800N	1	2.2	212779	11.5	0.32	8	7	18300	55	1.4	8
	2	1.8	212780	9	0.47	9	8	20700	75	1.7	8.5
	3	0.3	212781	12	1.66	17	19	22200	40	3.5	6
	4	3	212782	3.9	0.53	8	10	24300	55	0.8	2.5
	5	0.1	212783	17.5	1.75	26	7	16700	70	3.7	12
	6	0.1	212784	20	0.82	18	9	15200	55	3.2	14
	7	0.1	212785	14.5	0.95	15	8	21900	90	3.4	10
	8	0.3	212786	6.5	0.49	9	8	25700	80	1.1	9
	9	0.3	212787	11.5	1.09	20	19	32800	60	3	11
	10	1.1	212788	12.5	0.53	13	10	22900	80	1.5	7
	11	0.3	212789	9	0.86	18	25	33800	95	1.9	8
	12	0.2	212790	12.5	0.69	15	10	29500	100	2.5	15
	13	1.8	212791	20.5	0.73	18	12	24400	70	2.1	5.5
	14	1	212792	10.5	1.48	22	16	35200	45	2.6	12
	15	2.8	212793	8	0.34	12	41	64600	60	0.9	1.5
	16	0.9	212794	6.5	0.83	21	40	54400	55	1.9	6.5
	17	0.3	212795	9	0.49	9	13	34500	70	2.6	8.5
	18	1	214848	2.7	0.35	7	35	91300	55	1.2	8
	19	1.2	214849	6.5	0.38	9	39	111000	65	0.7	5
	20	4	214850	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	21	1.1	214851	10	0.47	10	12	51300	70	1.8	7.5

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
78200N	1	1.6	212758	3	0.21	5	4	18800	45	1.4	13
	2	0.3	212759	4.9	0.8	9	7	25000	65	1.9	9.5
	3	0.4	212760	6	0.53	11	10	19800	70	1.2	14
	4	6	212761	0.94	0.31	7	13	28300	70	0.4	3
	5	1.2	212762	13.5	1.34	22	14	12600	25	4.2	6.5
	6	1.2	212763	11	0.44	12	16	59700	140	1.6	7.5
	7	0.8	212764	10.5	0.43	11	9	38700	105	1.6	13
	8	0.3	212765	18.5	0.66	15	9	21300	65	3.9	13
	9	0.3	212766	15.5	0.48	12	8	19800	95	1.9	14
	10	0.2	212767	20	0.66	13	8	14100	60	3.1	13
	11	0.2	212768	13	1.36	32	27	41200	70	6.4	15
	12	1	212769	14.5	2.29	34	24	19800	30	6.6	10
	13	1.1	212770	11.5	0.97	23	25	38700	40	3.6	7
	14	1.1	212771	8	0.66	21	29	49000	50	2.5	4.5
	15	2	212772	7.5	1.27	14	11	25500	55	1.3	7.5
	16	2	212773	10	1.68	11	11	16200	35	2.2	4.5
	17	0.7	212774	8.5	0.93	12	10	19600	55	2.6	9.5
	18	0.6	212775	4.6	0.27	8	19	59900	50	2	9
	19	0.6	212776	9	0.53	15	70	146000	35	1.8	3
	20	0.2	212777	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	21	*	212778	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
78600N	1	0.7	212737	7	0.25	6	6	15300	60	1.3	12
	2	0.3	212738	12.5	1.62	20	6	16400	105	4.4	13
	3	0.3	212739	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	4	0.4	212740	7.5	0.56	12	26	43900	100	2.2	15
	5	0.3	212741	8.5	0.97	16	13	21400	80	2.7	19
	6	0.3	212742	15	0.73	18	25	27700	75	4.2	17
	7	5	212743	6.5	0.55	12	46	24600	145	1.4	11
	8	4	212744	4.8	0.44	13	35	39000	85	0.85	7.5
	9	1.2	212745	11.5	1.2	13	23	23500	65	1.9	16
	10	3	212746	1.35	0.24	8	24	58100	165	0.25	8
	11	0.4	212747	15.5	1.83	26	25	84700	350	3.1	6
	12	0.2	212748	21.5	0.85	18	6	11000	45	1.6	8
	13	1.9	212749	10.5	0.57	11	7	23800	80	1.3	10
	14	3	212750	2.8	0.47	11	14	45300	115	0.65	6.5
	15	1.9	212751	3	0.44	16	21	63000	175	1	12
	16	1.5	212752	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	17	2	212753	15.5	0.63	13	26	81900	165	0.25	7.5
	18	2	212754	4.2	0.62	11	16	62300	135	0.6	11
	19	2.3	212755	8.5	0.51	9	32	120000	70	0.65	14
	20	2	212756	8.5	0.61	13	46	162000	145	0.8	16
	21	3	212757	9	0.85	11	11	50400	105	0.9	15

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
79000N	1	0.4	212716	13	0.69	12	6	20400	90	2.6	16
	2	0.8	212717	3.6	0.54	10	6	28900	100	0.95	18
	3	0.5	212718	8	0.64	12	5	21100	70	1.3	28
	4	1	212719	9	0.74	11	5	22600	75	2.4	24
	5	0.4	212720	9.5	0.56	10	4	19700	90	1.8	28
	6	3	212721	2	0.72	24	44	85500	125	0.9	14
	7	0.9	212722	4.6	0.55	10	9	32600	95	0.75	36
	8	0.8	212723	24	0.47	9	5	9700	35	1.1	6.5
	9	0.4	212724	18.5	0.47	16	8	25900	90	3	10
	10	0.3	212725	13	0.34	15	12	164000	340	1	11
	11	3	212726	14.5	0.69	11	13	25900	70	1.4	2
	12	1.8	212727	8.5	0.39	9	9	26400	80	0.6	17
	13	3	212728	10	0.59	11	14	29800	70	0.7	13
	14	2.8	212729	10	0.53	9	24	38900	50	1.1	13
	15	4	212730	7.5	0.31	7	21	39400	40	0.85	15
	16	0.9	212731	6	0.55	7	7	19200	45	1.6	14
	17	1.2	212732	7.5	0.37	13	62	144000	70	1.3	9.5
	18	1.6	212733	6.5	0.29	8	58	180000	50	0.5	4
	19	2	212734	8	0.53	13	14	52900	115	1.5	7.5
	20	1.9	212735	12.5	0.51	11	13	46500	85	1.4	14
	21	2.2	212736	8.5	0.5	8	18	62800	85	0.45	6.5

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
79400N	1	3.4	212695	4.6	0.39	6	3	16600	60	0.7	18
	2	1.2	212696	7.5	0.32	8	4	19900	60	1.3	19
	3	0.7	212697	16	0.48	11	5	16900	70	1.8	12
	4	0.5	212698	15.5	0.4	10	4	13800	65	1.2	30
	5	0.9	212699	21.5	0.5	12	4	13900	65	1.8	10
	6	0.3	212700	23.5	0.76	13	18	21500	35	4.1	8.5
	7	0.2	212701	23	0.78	14	6	6550	35	4.5	11
	8	0.2	212702	17.5	1.69	20	16	16800	25	4.2	5
	9	0.2	212703	20	0.78	17	22	17400	65	2.8	16
	10	1.8	212704	6	0.5	11	15	32300	105	0.75	13
	11	2	212705	4.4	0.43	13	13	38000	140	1	19
	12	0.3	212706	18.5	0.6	16	12	9150	30	4.2	12
	13	0.3	212707	23	0.69	17	16	20800	60	2.6	9
	14	0.4	212708	21	0.63	13	8	20400	260	4.6	6
	15	2	212709	25.5	0.59	12	8	13700	65	1.4	3
	16	1.2	212710	10	1.51	15	34	21900	45	2	6
	17	1.6	212711	3.7	0.21	6	9	36000	75	0.8	20
	18	1.2	212712	13	0.29	10	84	215000	25	0.45	2
	19	1.9	212713	11	0.26	8	57	226000	30	0.15	1
	20	4	212714	10.5	0.72	8	15	60900	80	0.4	25
	21	0.8	212715	15.5	0.67	12	9	26500	70	2.7	11

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
79800N	1	1	212674	4.6	0.31	6	4	13100	45	0.65	17
	2	0.8	212675	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	3	0.3	212676	17.5	0.46	9	8	34800	60	1.9	18
	4	0.6	212677	9	0.47	10	18	60300	120	1.6	9.5
	5	0.3	212678	13.5	0.43	8	11	22100	55	3.5	13
	6	0.6	212679	21	0.53	11	11	26400	80	2.3	6.5
	7	0.3	212680	14.5	1.53	17	10	19200	35	3.2	13
	8	0.2	212681	20	1.18	17	8	15800	35	3.7	11
	9	0.4	212682	15.5	1.39	15	7	8400	30	2.7	6.5
	10	1	212683	9	0.72	11	6	21900	75	1.9	7
	11	0.4	212684	12.5	0.44	9	10	56600	65	3	19
	12	0.3	212685	9	0.46	11	23	87000	85	1.1	11
	13	1.2	212686	11	0.45	8	24	33100	60	3.4	8.5
	14	0.4	212687	13.5	0.47	15	41	81100	90	3.2	14
	15	0.4	212688	14.5	0.43	9	7	20200	65	3.6	15
	16	0.4	212689	23	0.4	11	6	19100	70	1.1	11
	17	2.3	212690	11	0.66	9	11	26900	40	0.85	8.5
	18	1.1	212691	8.5	0.28	7	6	20000	45	1	13
	19	1.2	212692	15.5	0.43	12	30	93300	55	2	16
	20	1.2	212693	8	0.21	8	82	212000	35	0.2	1.5
	21	1	212694	7	0.59	8	18	60500	75	0.6	15

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
80200N	1	0.3	212653	17	1.18	21	4	13900	50	2.2	11
	2	1.8	212654	8	0.68	12	6	22400	75	1.5	12
	3	1.5	212655	6.5	0.95	14	8	20100	55	1.4	17
	4	0.4	212656	20.5	1.18	26	17	14100	45	12	16
	5	0.4	212657	11.5	0.54	12	9	28400	100	1.9	18
	6	0.3	212658	14.5	0.74	14	3	16300	105	1.8	15
	7	0.3	212659	17.5	0.57	13	7	24500	80	1.8	26
	8	1	212660	5.5	0.45	13	9	40200	165	1.2	13
	9	2.5	212661	11.5	0.45	11	10	29800	105	1.8	26
	10	0.8	212662	21.5	0.65	11	<1	13700	115	2.8	13
	11	0.6	212663	2.9	0.17	6	3	32500	165	0.8	25
	12	0.3	212664	4.2	0.22	8	5	25300	130	2.4	12
	13	0.2	212665	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	14	0.4	212666	21	0.44	10	5	34300	260	2.7	15
	15	0.4	212667	25	0.7	13	3	11000	60	3.2	6
	16	0.6	212668	24	0.71	14	4	11300	65	3.3	10
	17	0.4	212669	20	0.78	12	3	14500	55	2.7	10
	18	0.5	212670	24.5	0.69	13	3	11900	45	2	10
	19	0.3	212671	9.5	0.91	12	9	30400	65	2.7	15
	20	0.8	212672	8.5	0.47	12	46	126000	50	1.5	9
	21	0.5	212673	7	0.44	9	36	102000	60	1	7

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
80600N	1	2	212632	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	2	1.4	212633	1.6	0.45	7	4	22700	90	0.4	40
	3	1.4	212634	7	0.4	7	1	15800	55	0.85	48
	4	1.6	212635	6	0.39	6	2	13700	45	0.8	14
	5	0.6	212636	1.45	0.17	7	5	24300	75	0.55	64
	6	0.3	212637	15.5	0.8	17	3	18400	60	2.7	29
	7	0.3	212638	15.5	0.93	17	9	27600	60	1.9	11
	8	0.3	212639	14.5	0.6	12	4	24700	90	1.4	13
	9	0.4	212640	17.5	0.8	15	3	15600	65	1.9	11
	10	0.5	212641	13	0.89	15	4	17700	70	2.8	16
	11	2.7	212642	7	0.71	11	8	26400	85	0.85	7.5
	12	2.8	212643	12	1.14	18	12	27200	85	0.95	2.5
	13	3.4	212644	4.2	0.31	7	10	31100	135	0.3	17
	14	0.3	212645	15	1.06	19	7	35300	700	3.1	22
	15	0.6	212646	19.5	0.96	19	7	18000	90	4	9.5
	16	3.8	212647	8.5	0.72	13	16	34000	135	0.7	5
	17	0.5	212648	20	0.63	14	1	12000	70	2.5	11
	18	0.4	212649	12	0.55	14	9	36700	115	1.3	10
	19	2.2	212650	10.5	0.55	12	4	22800	105	1.2	13
	20	2.6	212651	5.5	0.57	10	9	32500	70	0.5	6
	21	2	212652	9.5	0.43	11	21	64000	60	2.1	17

WESTGRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
81000N	1	1	212611	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	2	0.6	212612	2.1	0.68	12	8	38300	185	0.3	12
	3	0.8	212613	4.7	0.75	35	22	77400	95	1.6	8.5
	4	0.5	212614	3.4	1.16	11	22	57400	45	1.8	7
	5	1	212615	3.8	0.5	11	53	147000	80	2.9	13
	6	1	212616	7.5	0.44	12	34	157000	100	1.7	9.5
	7	0.4	212617	7	0.55	11	25	87700	85	2	11
	8	0.8	212618	5	0.54	11	7	34200	90	2.3	17
	9	0.6	212619	6.5	0.74	12	9	51300	85	3.3	13
	10	0.6	212620	4.1	0.51	10	8	44100	95	1.9	12
	11	1.2	212621	4.8	0.55	10	6	28300	95	3.4	63
	12	1.3	212622	3.4	0.58	11	15	69600	110	1.7	11
	13	2.8	212623	0.82	0.46	8	<1	12500	115	1.4	24
	14	2.3	212624	2.6	0.33	4	<1	7850	55	0.85	30
	15	1.6	212625	6.5	0.33	9	20	95700	80	1.1	25
	16	0.4	212626	10.5	0.38	16	36	141000	55	0.8	10
	17	1	212627	8.5	1.43	23	10	18600	50	1.9	7.5
	18	0.9	212628	9	2	20	7	13900	45	1.5	6
	19	0.3	212629	6.5	1.13	12	9	24800	75	4.3	38
	20	0.4	212630	4.1	0.29	8	18	45600	60	1.2	21
	21	0.4	212631	9.5	0.4	11	36	71400	65	1.3	12

HKN99 GRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
79650N	1	0.3	214894	17.5	0.45	9	9	16300	65	2.8	10
	2	0.2	214895	7	0.28	8	9	42400	115	2.2	12
	3	0.2	214896	20	0.42	13	14	47600	110	3.5	25
	4	0.3	214897	13	0.36	17	22	105000	650	3.5	15
	5	0.2	214898	13	0.38	9	7	33200	105	3.9	14
	6	0.3	214899	15	0.41	11	8	33400	80	3.2	18
	7	1.6	214900	14	0.36	9	6	22200	75	2.1	6
	8	0.3	214901	9	0.26	7	6	21300	75	1.9	12
	9	0.4	214902	23	0.35	11	30	37900	60	1.8	8.5
	10	0.8	214903	19.5	0.62	11	8	22900	85	2.7	6.5
	11	0.5	214904	14.5	0.85	13	9	25400	85	6	9
79600N	12	1	214905	25	0.44	12	9	14100	95	1.1	5
	13	0.3	214906	14	0.33	18	13	25800	160	1.3	18
	14	0.5	214907	18	0.47	13	23	23900	95	5.3	11
	15	0.3	214908	13.5	0.43	18	10	76400	440	3.8	13
	16	0.4	214909	12.5	0.31	41	19	97400	240	2.4	13
	17	0.3	214910	6	0.42	11	7	76100	115	1.8	27
	18	0.1	214911	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.	L.N.R.
	19	0.1	214912	9	0.39	7	8	25300	90	1.7	26
	20	0.3	214913	7	0.24	6	6	24400	80	1.1	36
	21	0.2	214914	20.5	0.41	10	10	35700	95	1.5	3
	22	0.4	214915	24.5	0.61	10	8	21600	70	1.5	3

HKN99 GRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
79550N	23	0.4	214916	15.5	0.38	10	8	24900	115	1.6	29
	24	0.4	214917	17.5	0.36	10	10	13900	80	1.9	18
	25	0.4	214918	12.5	0.33	10	7	26100	155	2.8	21
	26	0.3	214919	13	0.39	13	8	28500	90	3.8	19
	27	0.2	214920	5.5	0.27	12	9	78900	310	1.2	31
	28	0.3	214921	9.5	0.28	25	9	109000	150	2.2	13
	29	0.4	214922	7.5	0.24	9	9	36200	85	1.1	11
	30	0.3	214923	5	0.24	7	7	29800	105	0.75	21
	31	0.3	214924	8.5	0.29	7	7	25300	100	2.3	79
	32	0.5	214925	22.5	0.52	11	8	20300	110	2.3	9.5
	33	0.4	214926	22.5	0.51	10	6	18800	70	3	23
79500N	34	0.4	214927	16.5	0.48	10	8	26800	130	1.1	17
	35	0.4	214928	24.5	0.57	31	18	29900	180	0.9	8.5
	36	0.3	214929	17	0.52	14	8	17300	75	2.7	15
	37	0.2	214930	14	0.47	14	7	34200	140	1.1	20
	38	0.2	214931	18.5	0.46	15	8	44600	105	0.85	10
	39	0.2	214932	13.5	0.26	14	8	113000	100	0.85	9
	40	0.1	214933	1.6	0.12	8	6	33200	95	0.25	4.5
	41	0.2	214934	19.5	0.92	19	7	13100	60	8.9	20
	42	0.2	214935	17.5	0.46	9	7	26800	80	2.8	17
	43	0.5	214936	18	0.44	11	13	48600	85	2.3	11
	44	0.6	214937	18	0.5	11	6	21700	75	3.8	12

HKN99 GRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
79450	45	0.4	214938	23	0.45	11	8	19900	80	0.7	5.5
	46	0.2	214939	17	0.46	11	11	18700	70	2.8	15
	47	0.4	214940	13	0.43	11	6	17300	110	1.4	10
	48	0.3	214941	12.5	0.33	10	5	19100	75	2	14
	49	0.6	214942	12.5	0.39	13	12	65900	105	2.7	23
	50	0.4	214943	10	0.48	11	9	36300	80	2.3	19
	51	1.6	214944	20.5	0.64	13	9	20400	70	3	10
	52	1.5	214945	13.5	0.3	12	18	93300	130	1.5	24
	53	1.8	214946	10.5	0.41	9	17	60500	115	1.7	11
	54	0.3	214947	19.5	0.45	10	7	15000	60	4.7	13
	55	0.2	214948	22	0.86	16	6	9350	35	3.5	5.5
79400	56	0.9	214949	13.5	0.38	30	23	42500	105	1.1	11
	57	0.9	214950	16.5	0.45	13	6	13800	75	1.9	29
	58	0.4	214951	13	0.26	7	17	32500	90	2.5	16
	59	4	214952	18.5	0.42	9	9	47200	115	0.85	2.5
	60	0.3	214953	23	0.41	9	8	13000	65	5.3	17
	61	1	214954	21	1.41	23	10	11000	35	6.8	30

HKN99 GRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
79350	62	4	214955	4.8	0.46	11	15	31200	120	0.5	6.5
	63	2	214956	3	0.4	11	13	40800	125	0.7	26
	64	0.8	214957	5.5	0.25	18	12	35600	105	0.65	23
	65	5	214958	7	0.4	11	18	31900	140	5.4	24
	66	0.3	214959	20	0.39	10	8	28600	95	2.2	208
	67	0.3	214960	18	0.48	9	7	13300	55	2.5	13
	68	1.8	214961	6	0.42	9	11	38400	105	1	11
	69	5	214962	10	0.82	14	50	45900	90	1.5	11
	70	0.9	214963	13	0.33	9	9	32300	85	2	16
	71	2	214964	28	0.75	21	10	12000	30	3.5	5.5
	72	4.5	214965	7	0.37	8	19	28400	35	1.3	5.5
79300	73	3	214966	1.85	0.33	10	12	33300	120	0.85	43
	74	2.5	214967	5	0.52	16	14	40600	195	0.95	36
	75	0.4	214968	8	0.34	23	13	33700	130	2.4	31
	76	0.2	214969	14	0.37	10	10	23700	85	3	22
	77	0.4	214970	16	0.36	9	8	25800	70	2	21
	78	1.3	214971	32	0.36	10	5	16700	35	1.9	5
	79	2	214972	9.5	0.79	13	18	32400	80	1.5	13
	80	1.6	214973	13.5	0.59	11	21	30800	50	2.2	10
	81	0.4	214974	27.5	0.63	14	7	9150	35	5.2	10
	82	2	214975	3.1	0.36	9	26	43200	70	2.1	14
	83	2	214976	2.3	0.4	7	14	24800	50	0.85	9

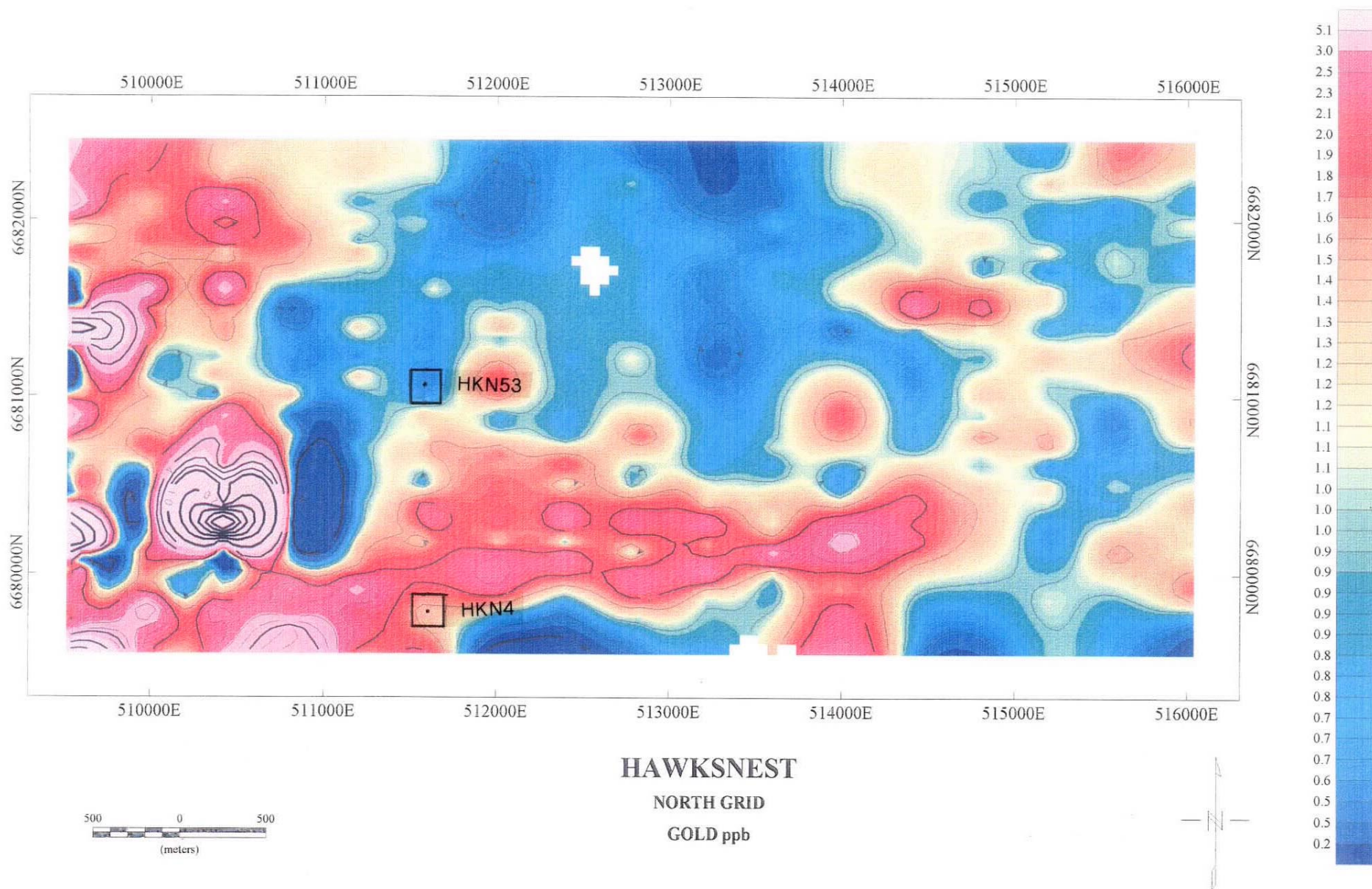
HKN99 GRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
79250	84	0.4	214977	15.5	0.43	10	8	14200	70	1.8	16
	85	0.4	214978	5.5	0.41	8	10	25200	95	0.45	7.5
	86	3	214979	4.8	0.48	10	17	35600	105	0.95	14
	87	0.3	214980	19.5	0.47	13	10	25500	60	6.3	18
	88	0.3	214981	20.5	0.34	10	7	20800	65	1.2	9
	89	2	214982	5	0.38	9	11	32900	115	0.8	9
	90	0.3	214983	5.5	0.51	8	13	31600	95	0.85	19
	91	1	214984	22	0.41	10	9	19900	45	1.6	7
	92	1.3	214985	13	0.49	13	21	34800	55	2	6.5
	93	2	214986	9.5	0.59	10	25	49900	50	2.5	7
	94	1.8	214987	18	1.43	23	26	34800	40	4.8	7.5
79200	95	0.5	214988	15	0.37	9	8	32900	75	1.2	13
	96	3	214989	5	0.39	6	8	24900	75	0.45	4.5
	97	5	214990	5	0.47	7	11	28200	70	0.6	4.5
	98	2	214991	4.1	0.41	9	13	29100	75	0.85	9.5
	99	1.6	214992	14.5	0.42	11	16	31500	75	0.75	6
	100	2	214993	7.5	0.37	9	19	37800	65	1.2	9.5
	101	3	214994	14.5	0.61	11	10	21800	55	1.1	5
	102	1.2	214995	16.5	0.47	11	7	20000	60	3	15
	103	2	214996	11	0.47	11	19	31700	55	1.2	6
	104	3	214997	10	0.31	14	88	80700	65	1.4	9
	105	2	214998	11	0.49	10	30	52300	45	1.3	5.5

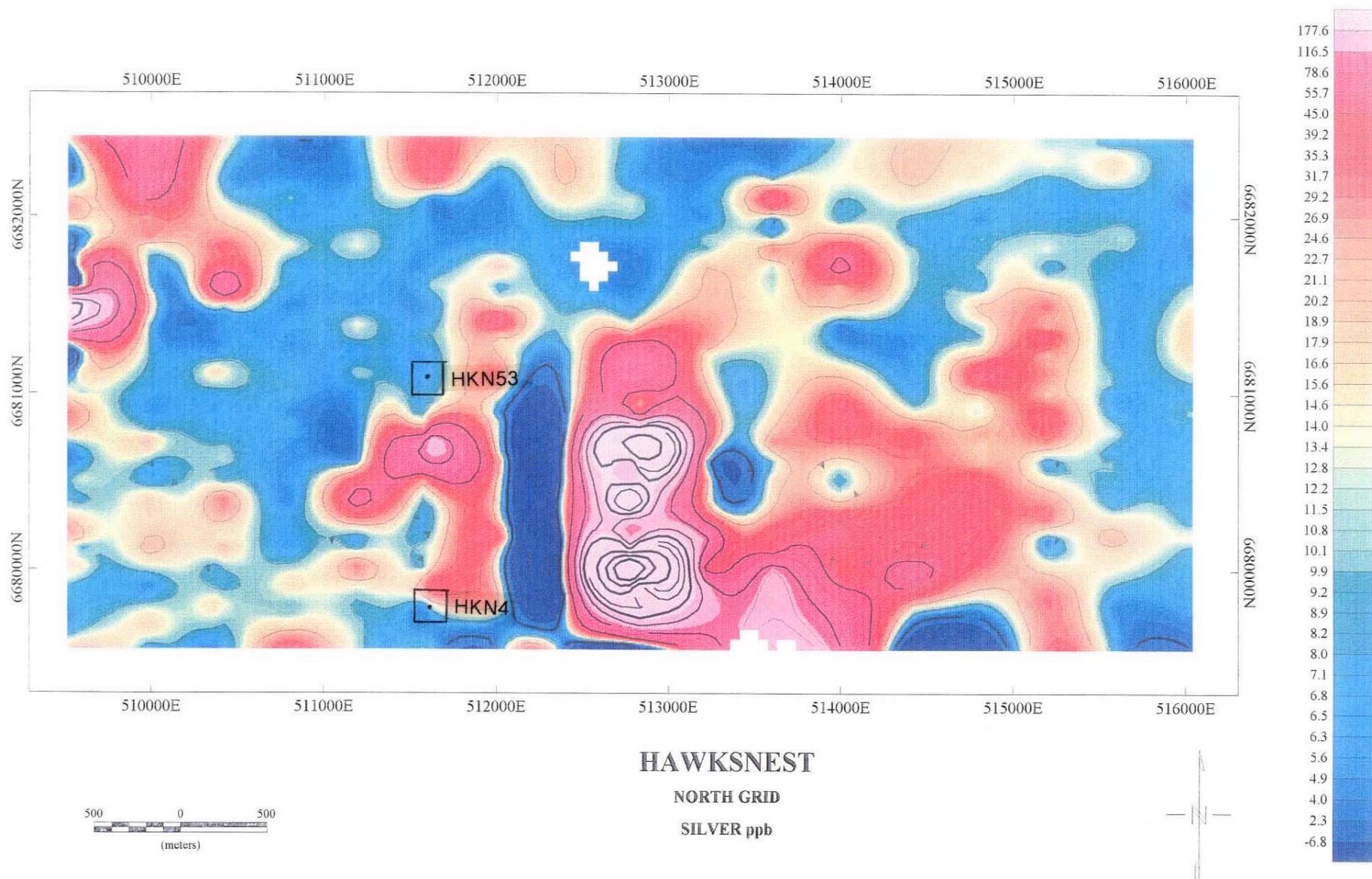
HKN99 GRID											
LINE	HOLE	DEPTH	R NO	Ca %	Mg %	Cu ppm	As ppm	Fe ppm	Mn ppm	Au ppb	Ag ppb
79150	106	0.2	214999	15.5	0.36	8	8	27200	70	1.9	14
	107	3	215000	10	0.5	9	15	38500	100	0.6	4
	108	3.5	215001	6	0.34	10	13	38400	150	0.5	3.5
	109	5	215002	6	0.41	7	25	33000	75	0.45	12
	110	2.7	215003	15	0.55	9	12	17200	40	0.85	13
	111	4	215004	5.5	0.37	7	9	25800	85	0.6	30
	112	2	215005	11	0.52	10	17	26000	55	0.8	6.5
	113	3	215006	9	0.47	11	25	36500	70	1.4	12
	114	2.7	215007	10	0.49	13	57	40300	35	2.3	43
	115	2.8	215008	12	0.62	14	43	51700	50	1.2	4.5
	116	2.8	215009	12	0.28	6	9	12700	25	1.4	3

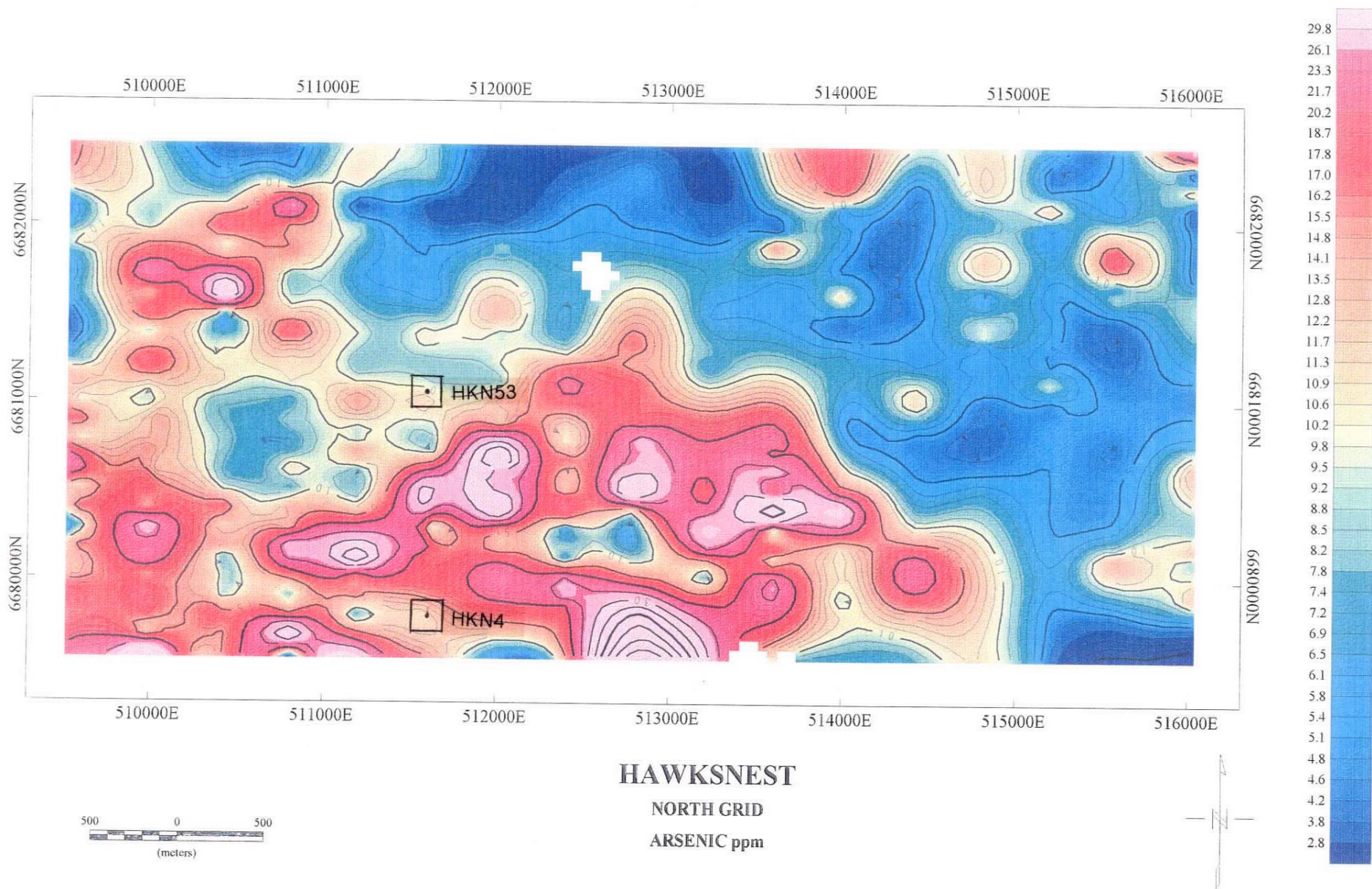
Appendix 3.

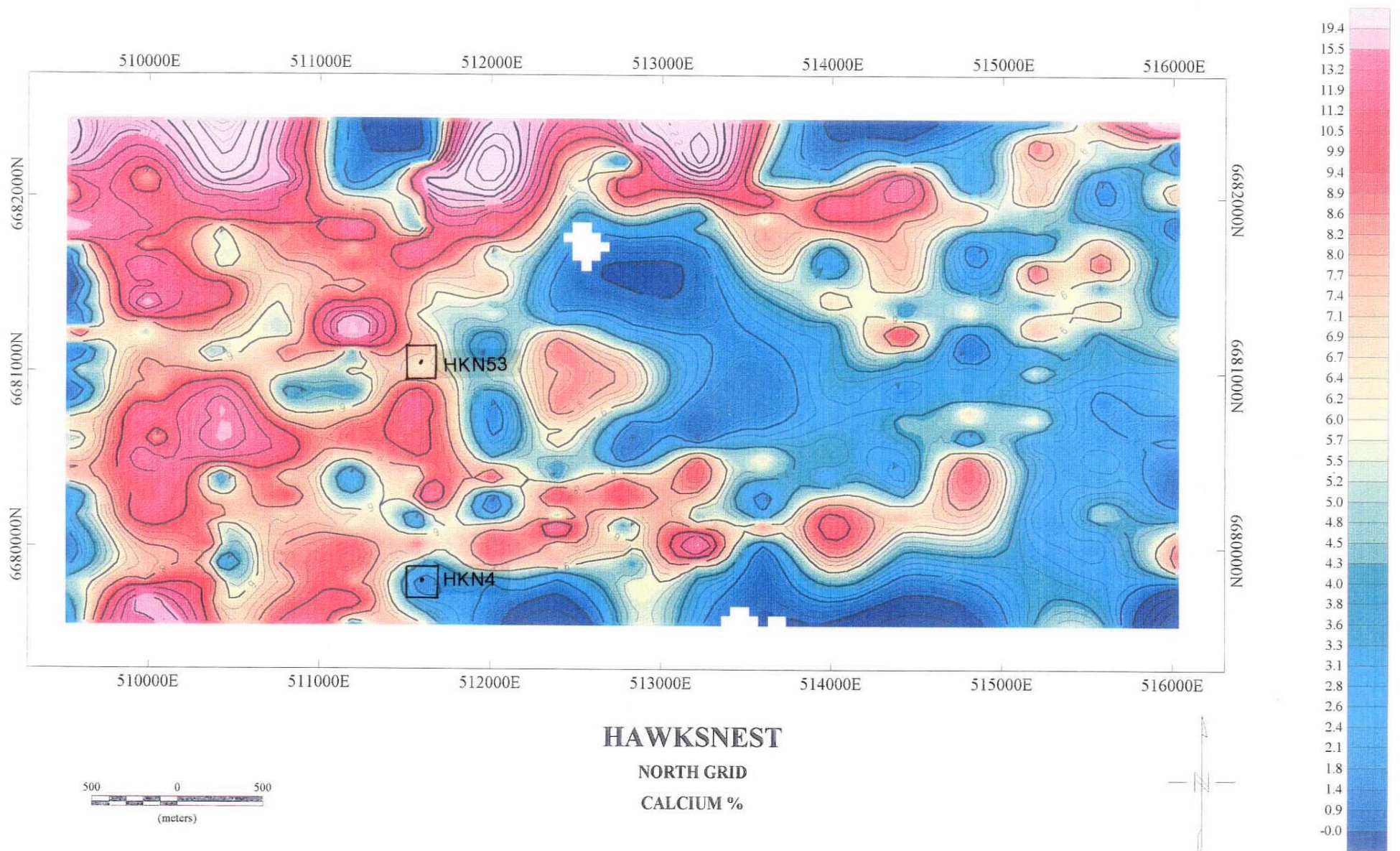
North Grid contour plans for :

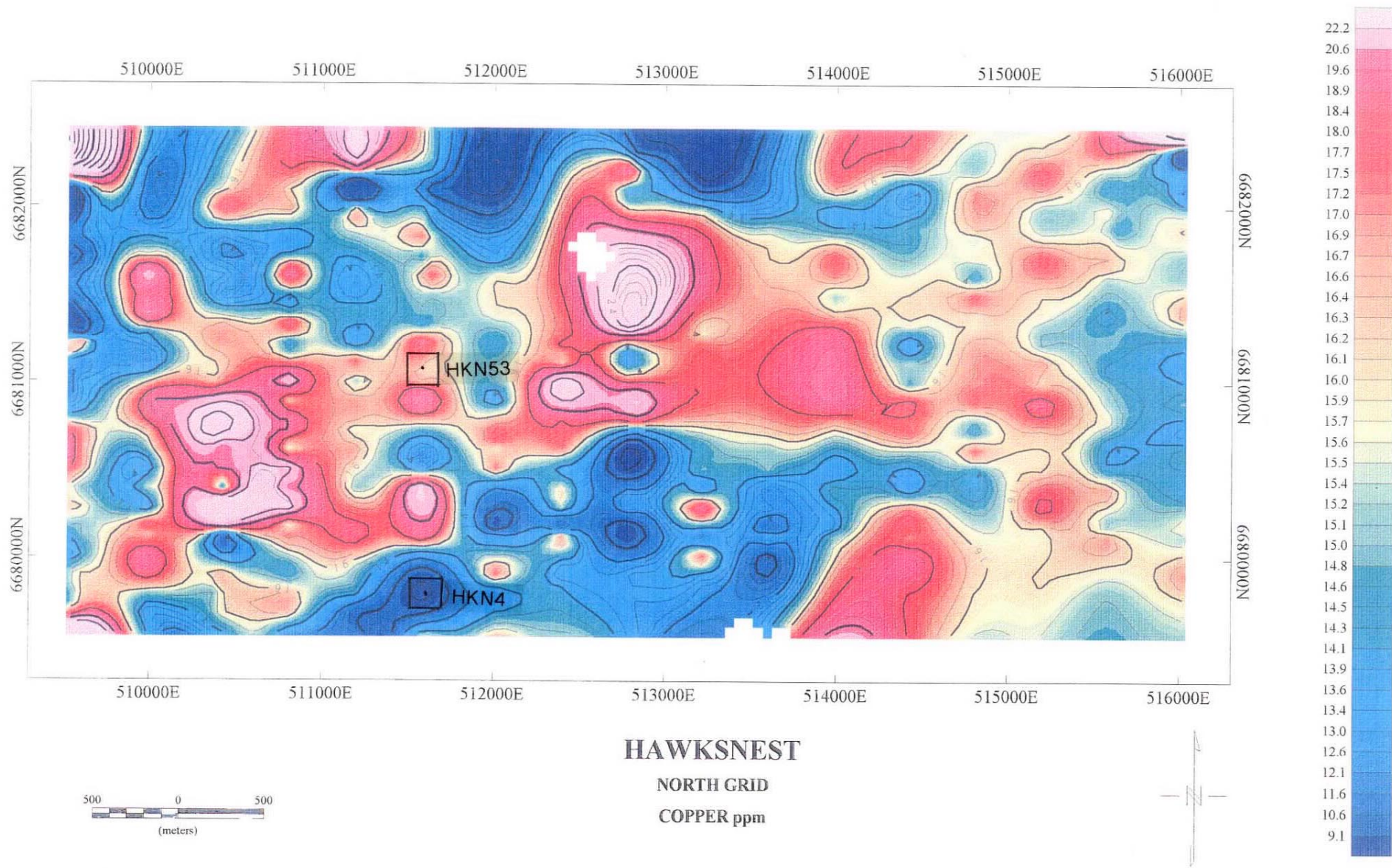
Au
Ag
As
Ca
Cu







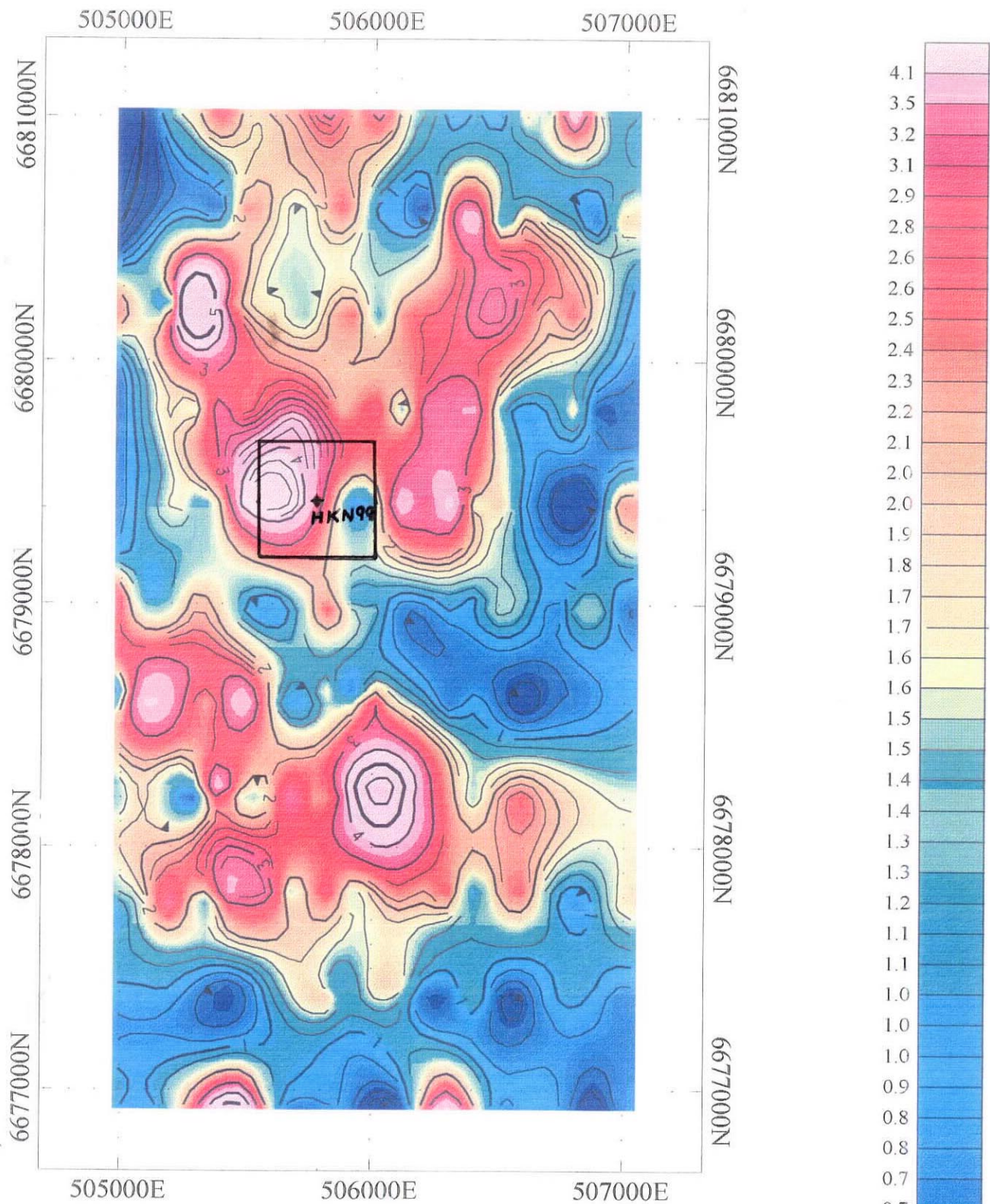




Appendix 4.

West Grid contour plans for :

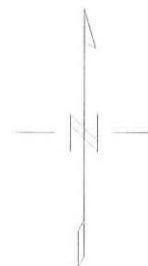
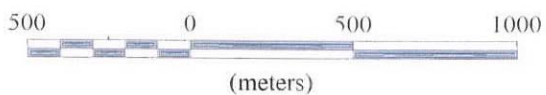
Au
Ag
As
Ca
Cu

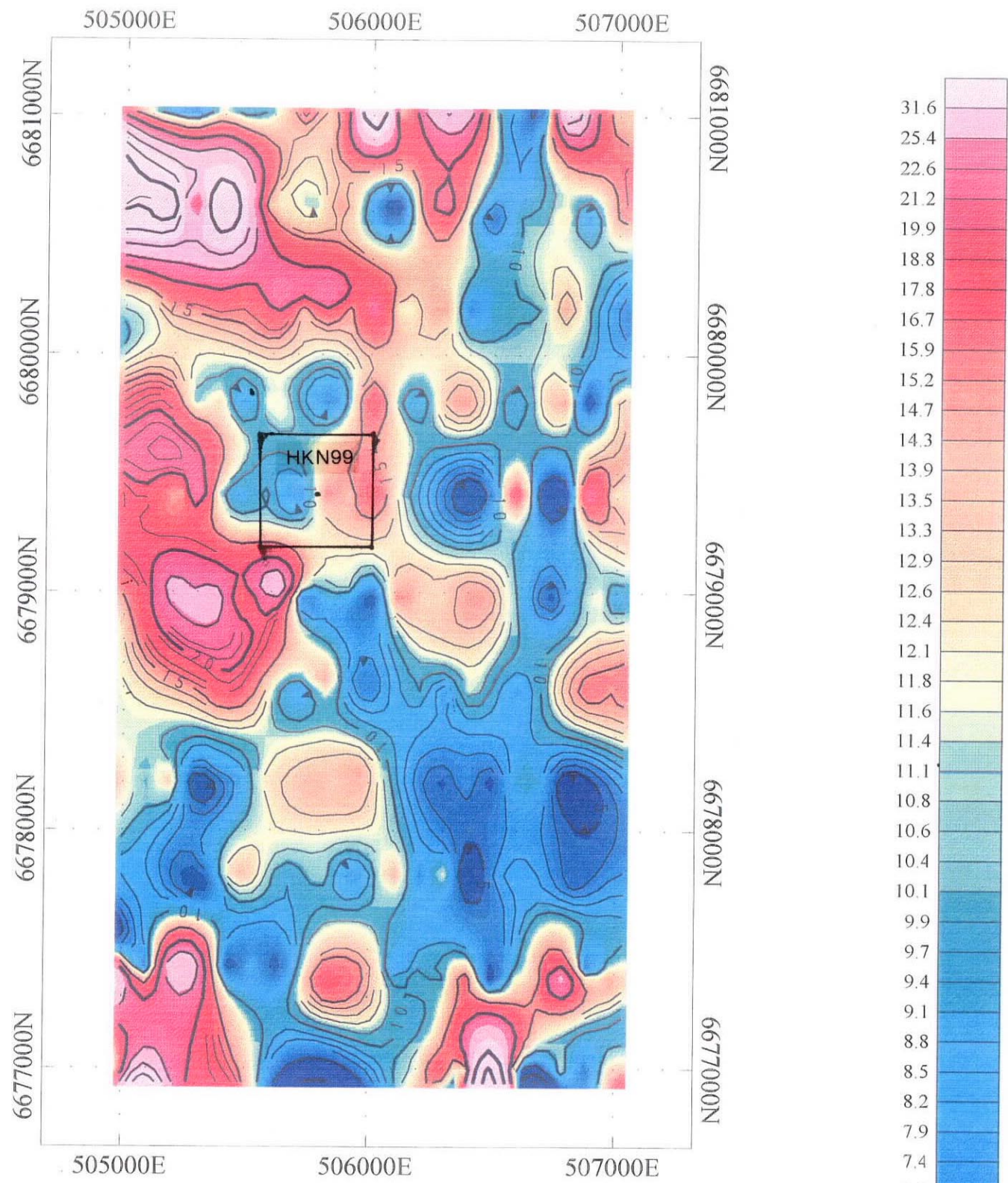


HAWKSNEST

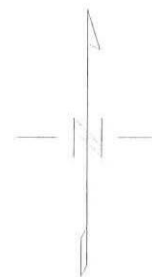
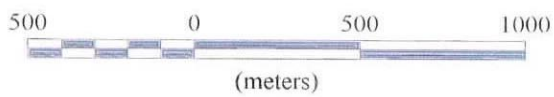
WEST GRID

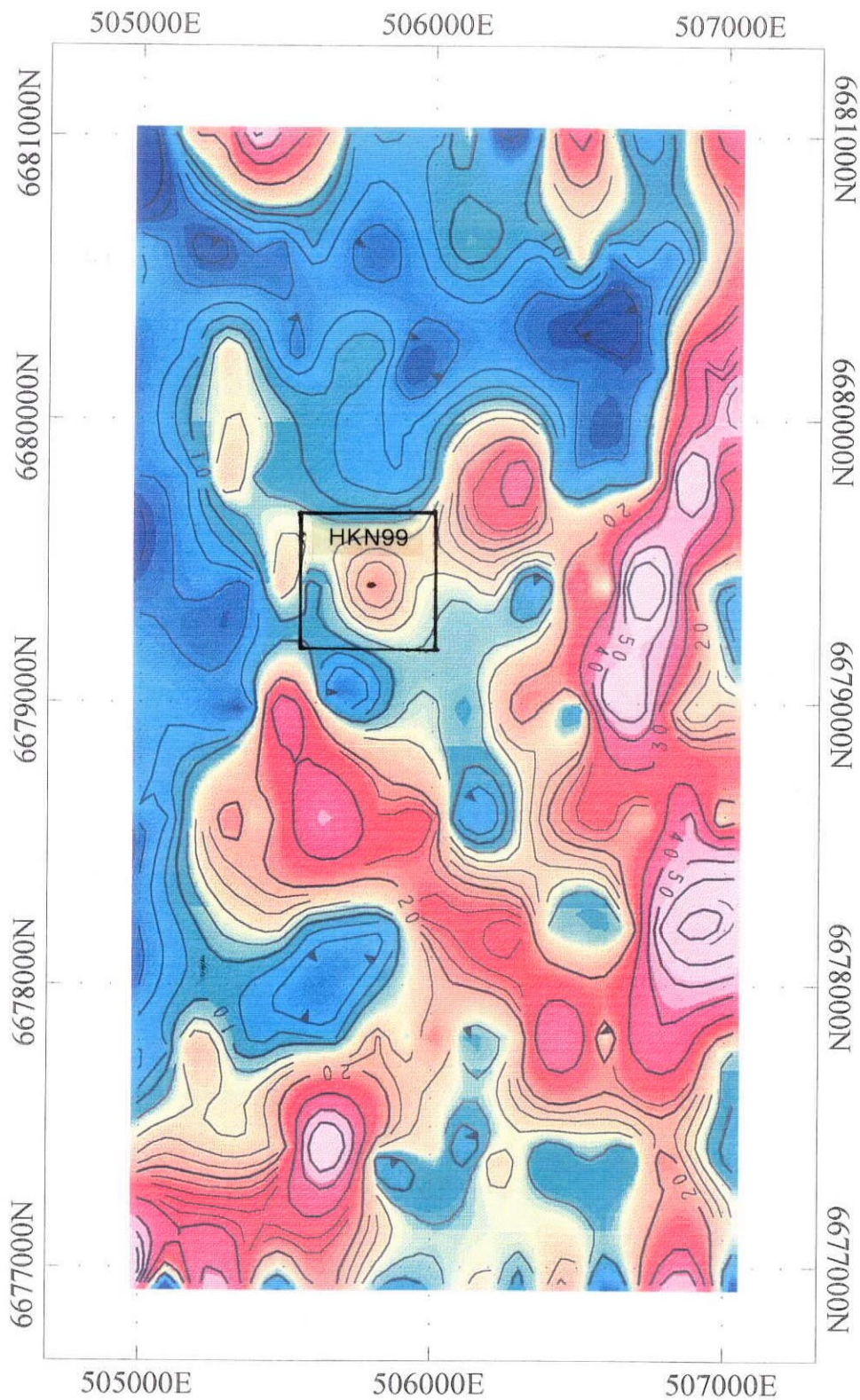
GOLD ppb





HAWKSNEST
WEST GRID
SILVER ppb

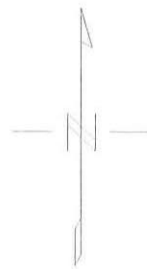
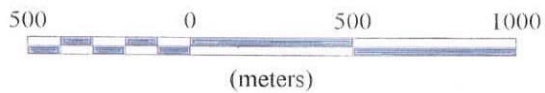




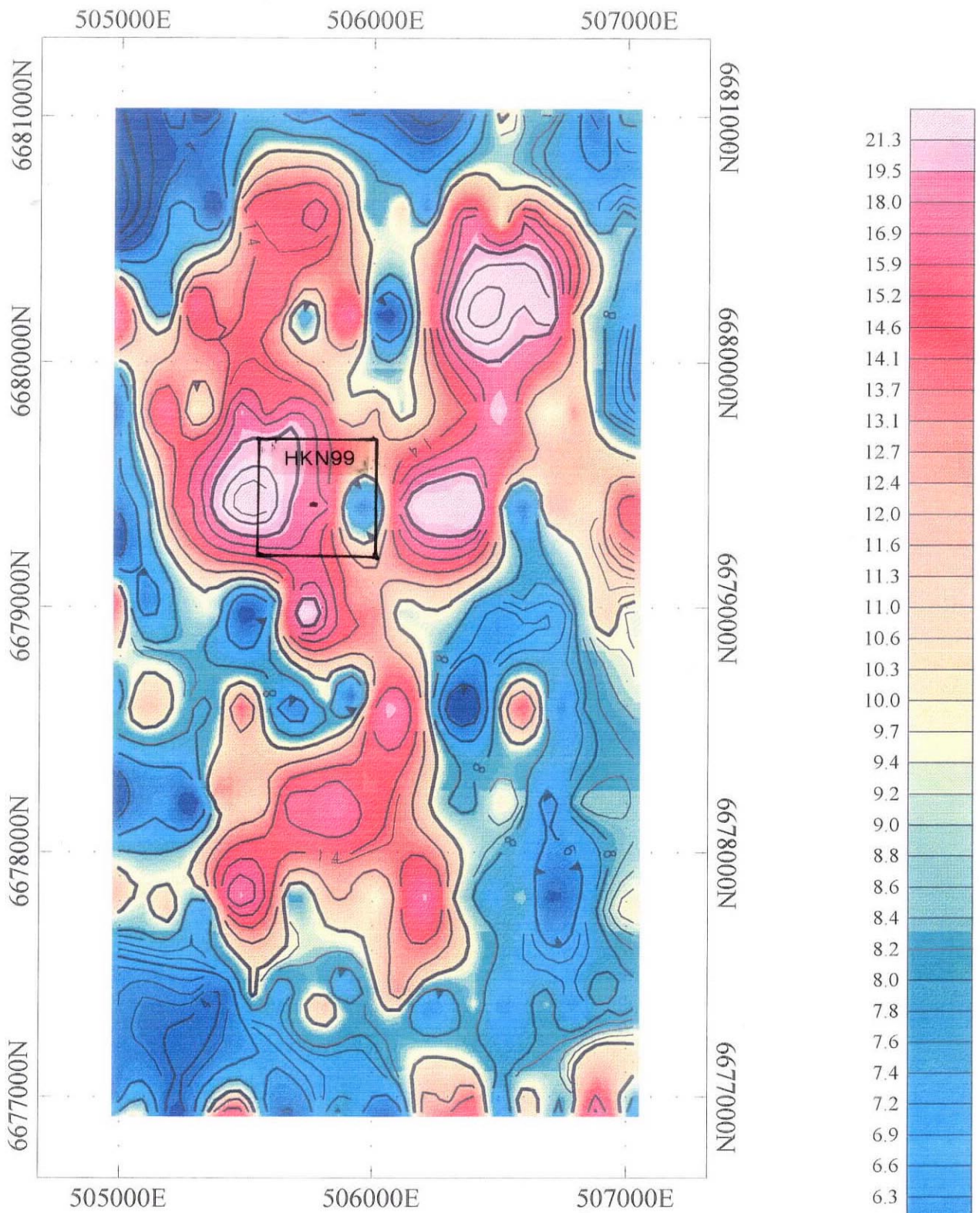
HAWKSNEST

WEST GRID

ARSENIC ppm



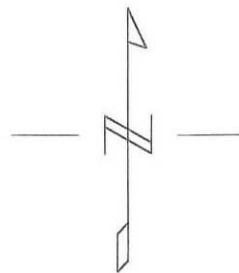
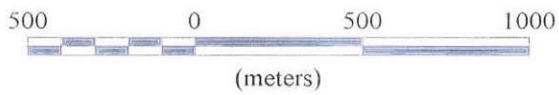
52.1
42.2
37.4
32.8
29.9
27.2
25.5
24.2
23.0
22.0
20.7
19.6
18.8
17.8
17.0
16.1
15.3
14.6
14.0
13.6
13.1
12.6
12.2
11.7
11.3
10.8
10.2
9.7
9.2
8.5
7.9
7.3
6.6
6.1
5.5
5.0
4.6
4.1
3.6
2.7

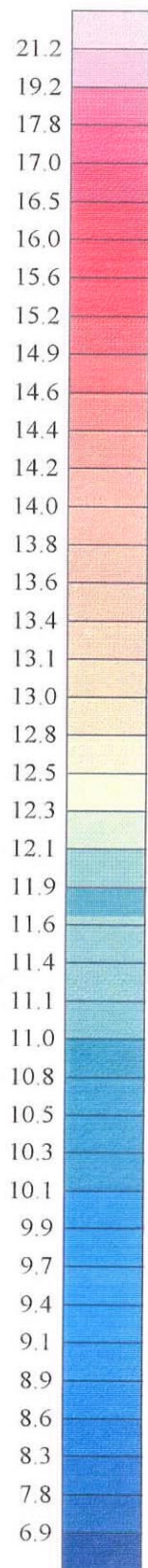
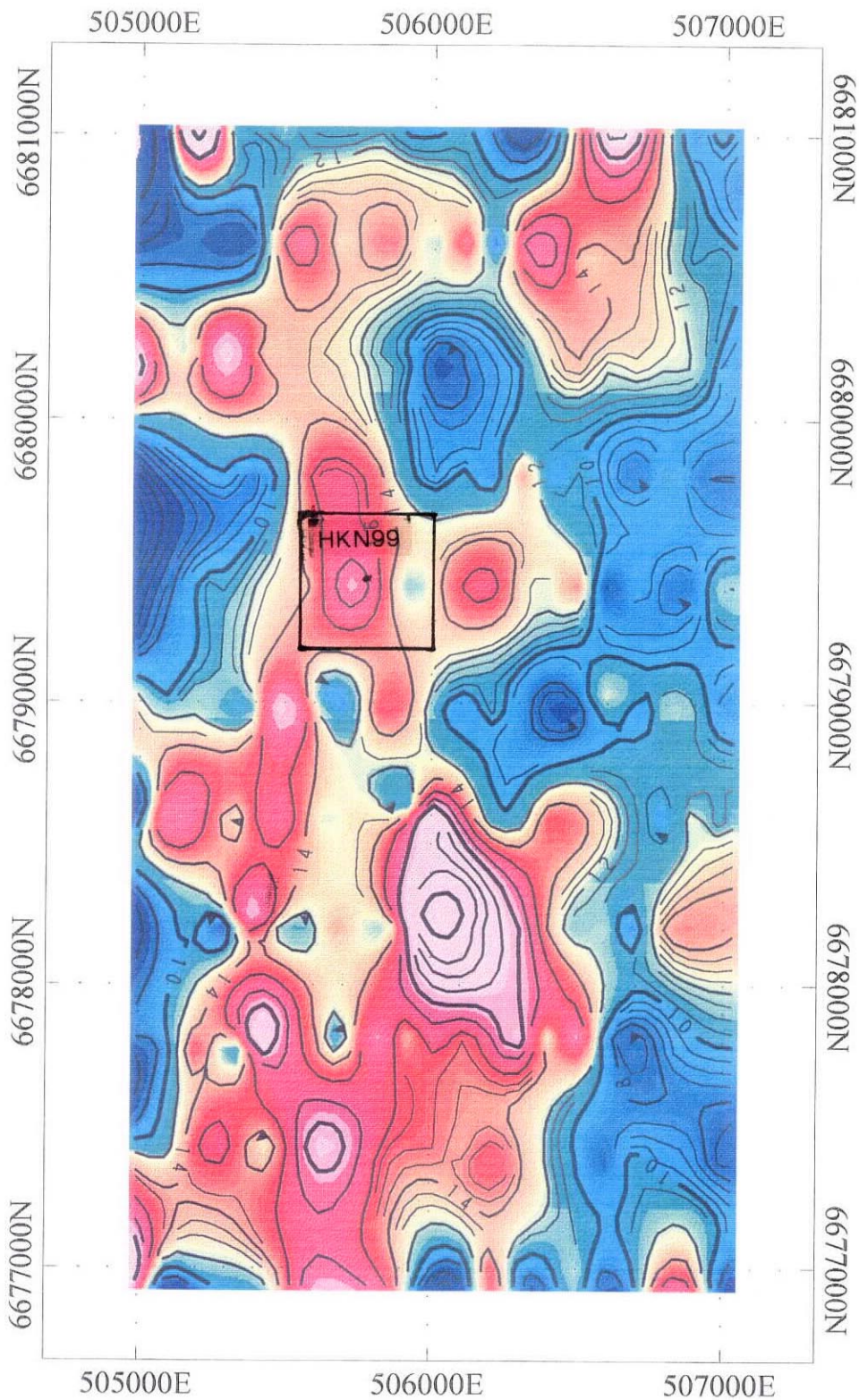


HAWKSNEST

WEST GRID

CALCIUM %

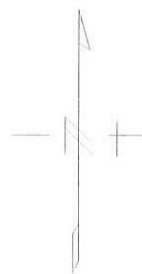
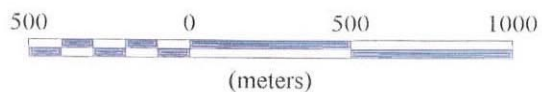




HAWKSNEST

WEST GRID

COPPER ppm



Appendix 5.

Detailed HKN Grid contour plans for :

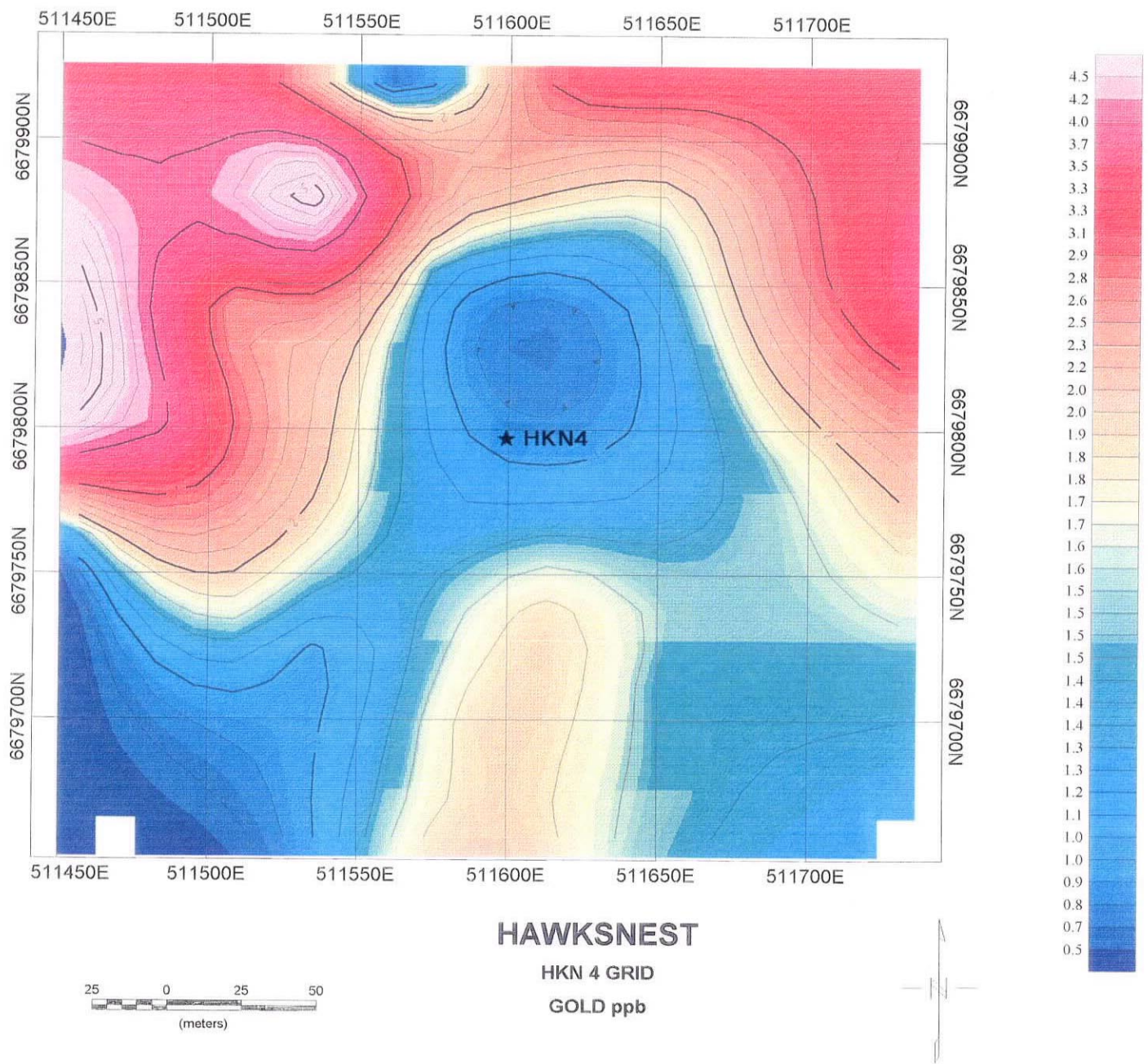
Au

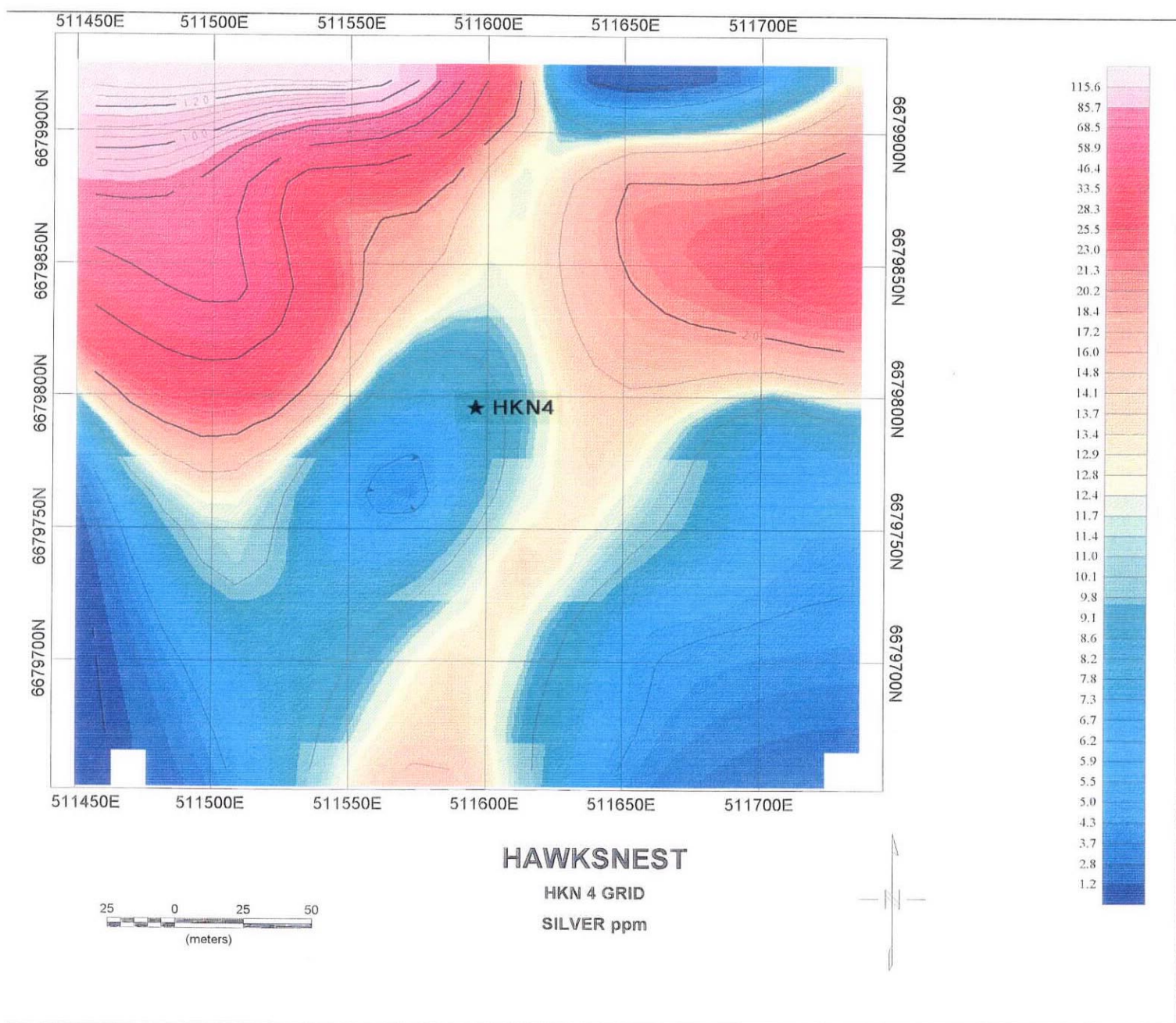
Ag

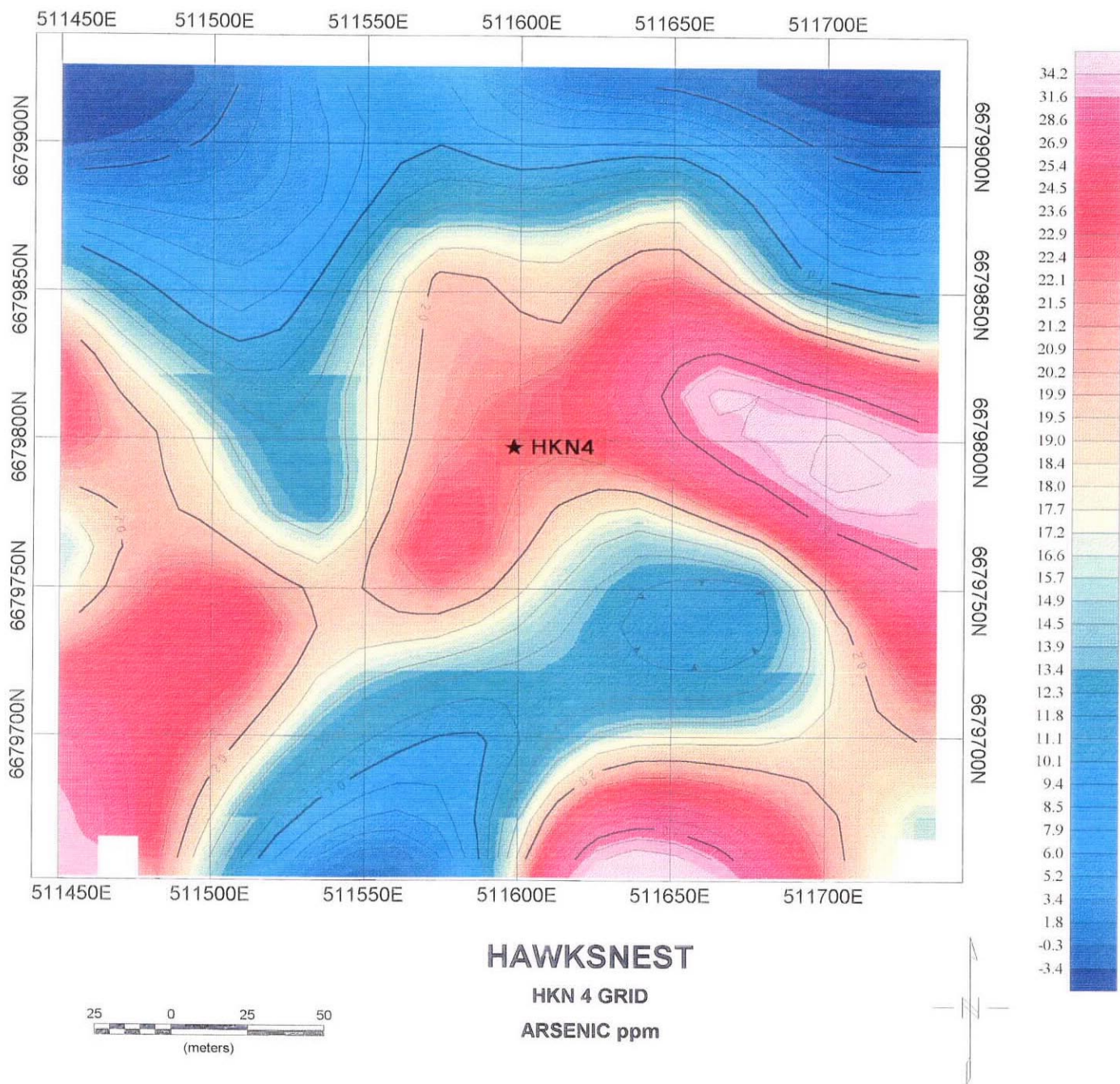
As

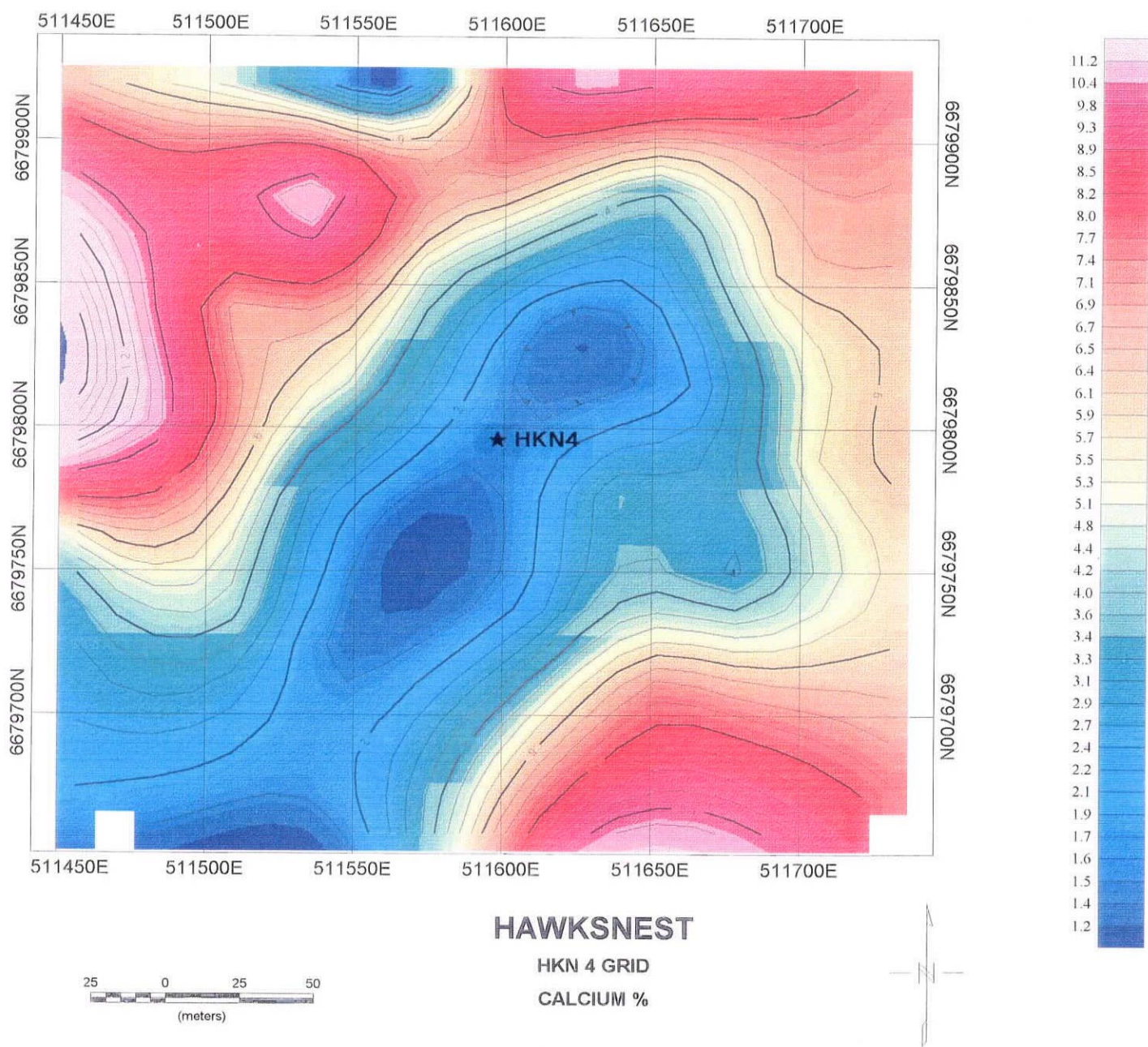
Ca

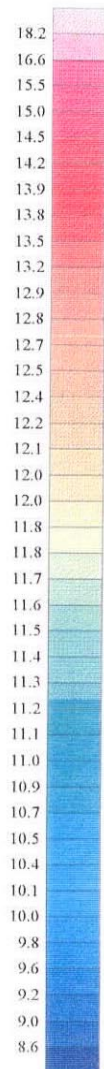
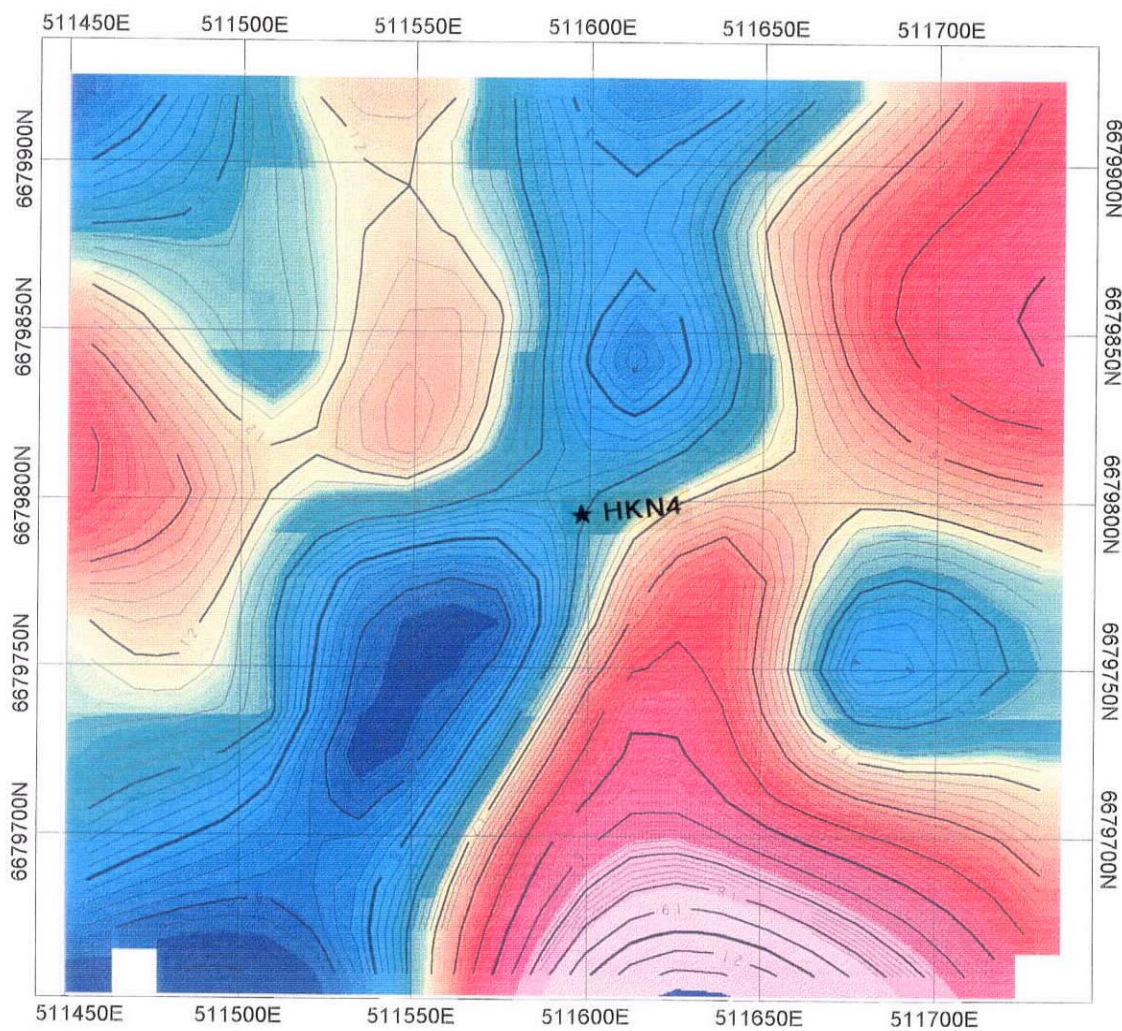
Cu







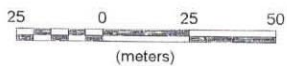




HAWKSNEST

HKN 4 GRID

COPPER ppm



Appendix 6.

Detailed HKN 53 Grid contour plans for :

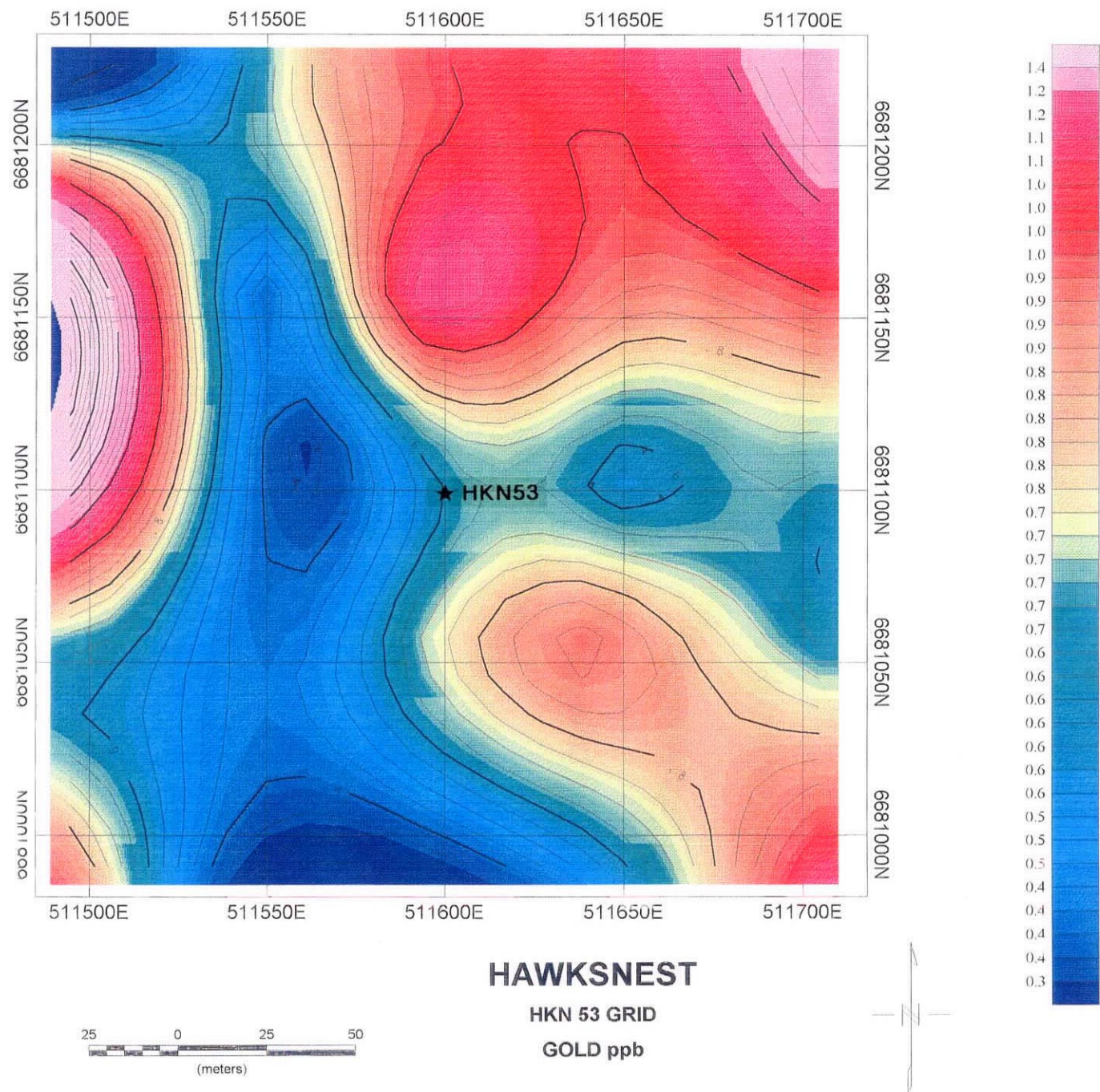
Au

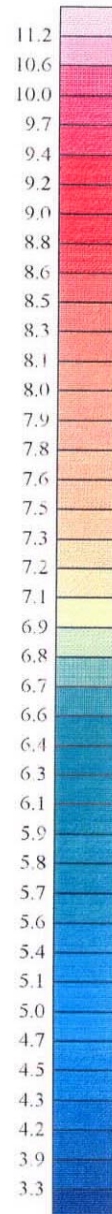
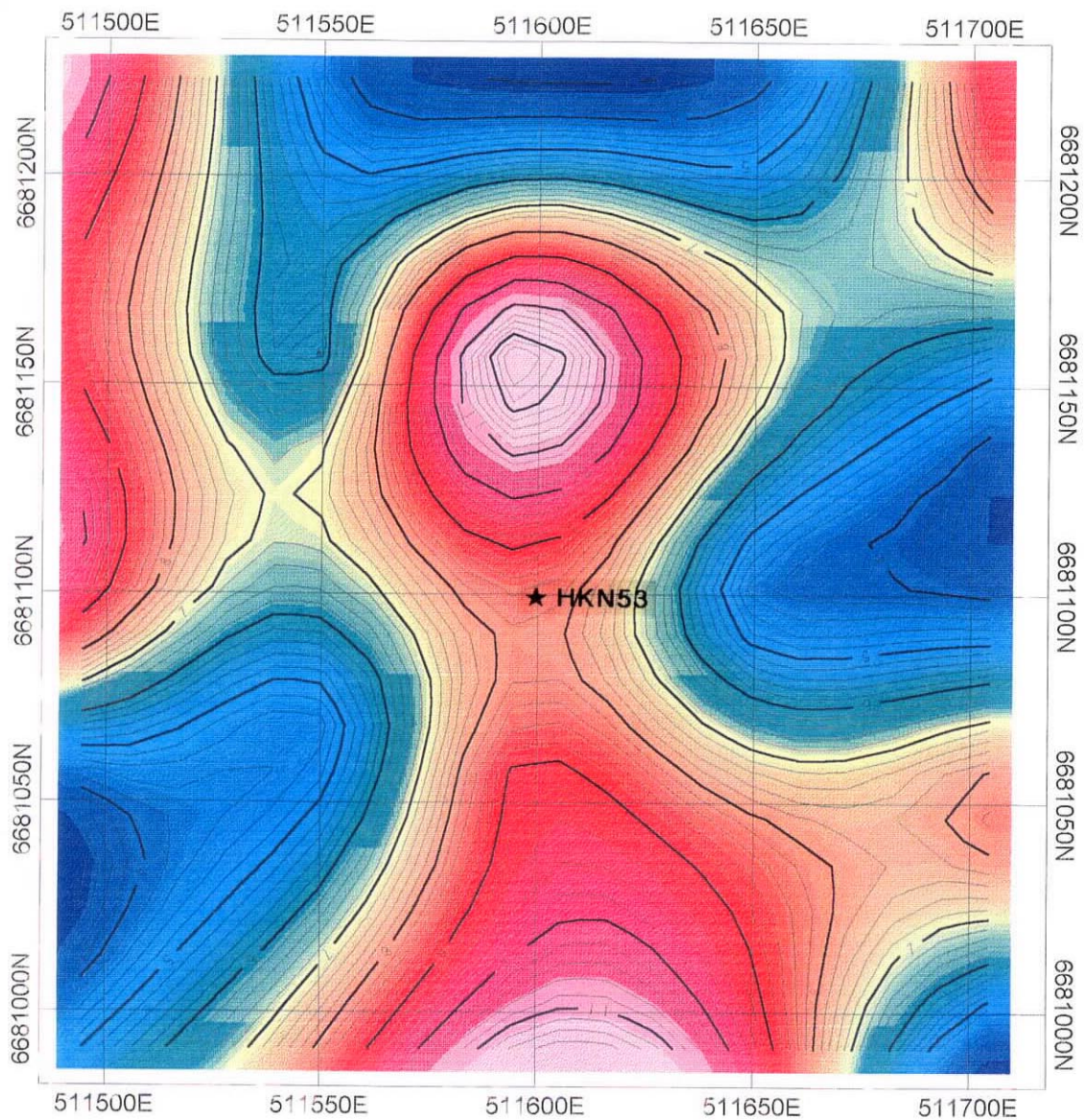
Ag

As

Ca

Cu

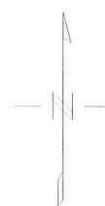
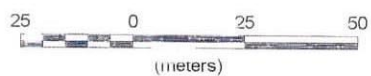


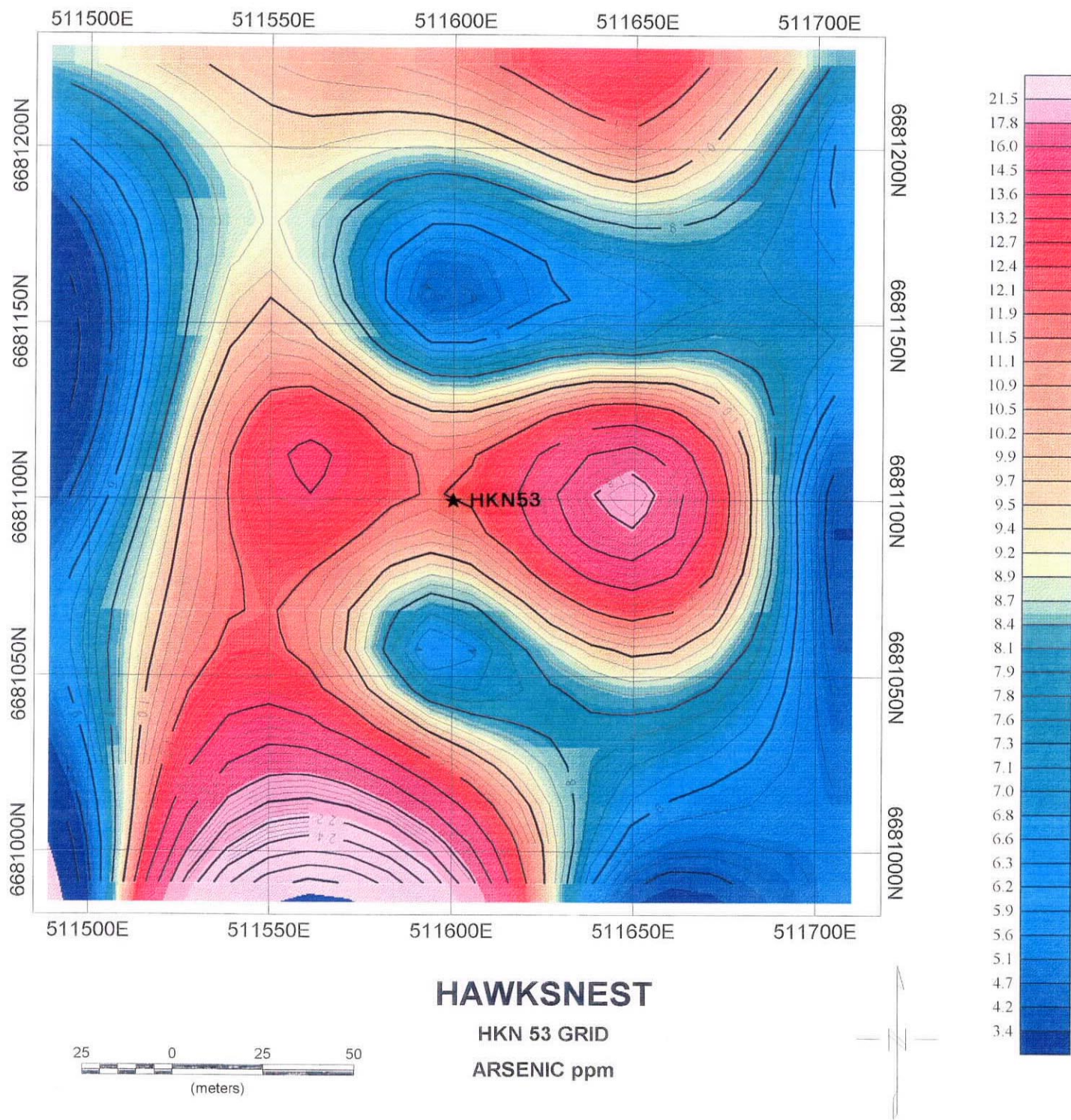


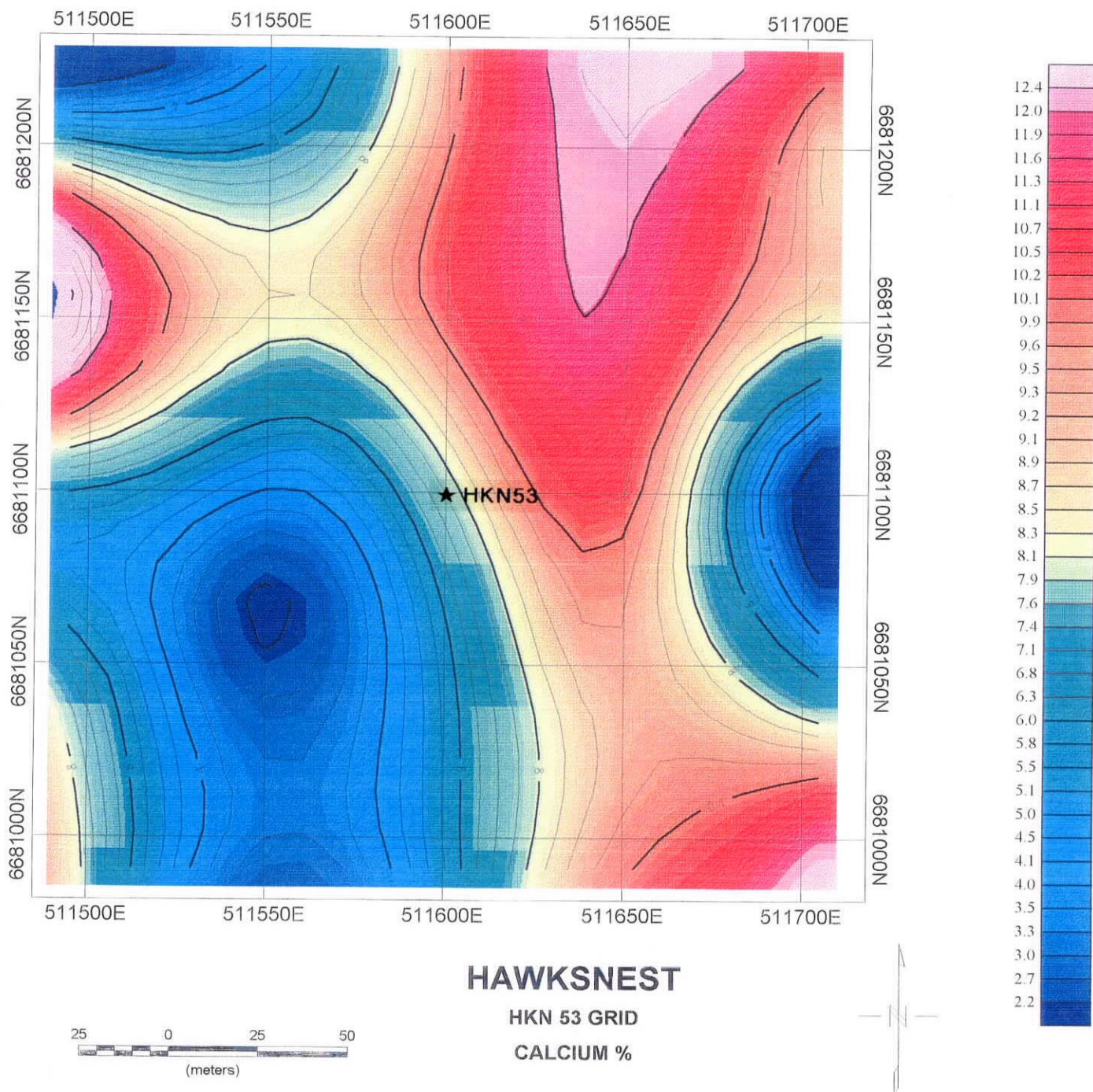
HAWKSNEST

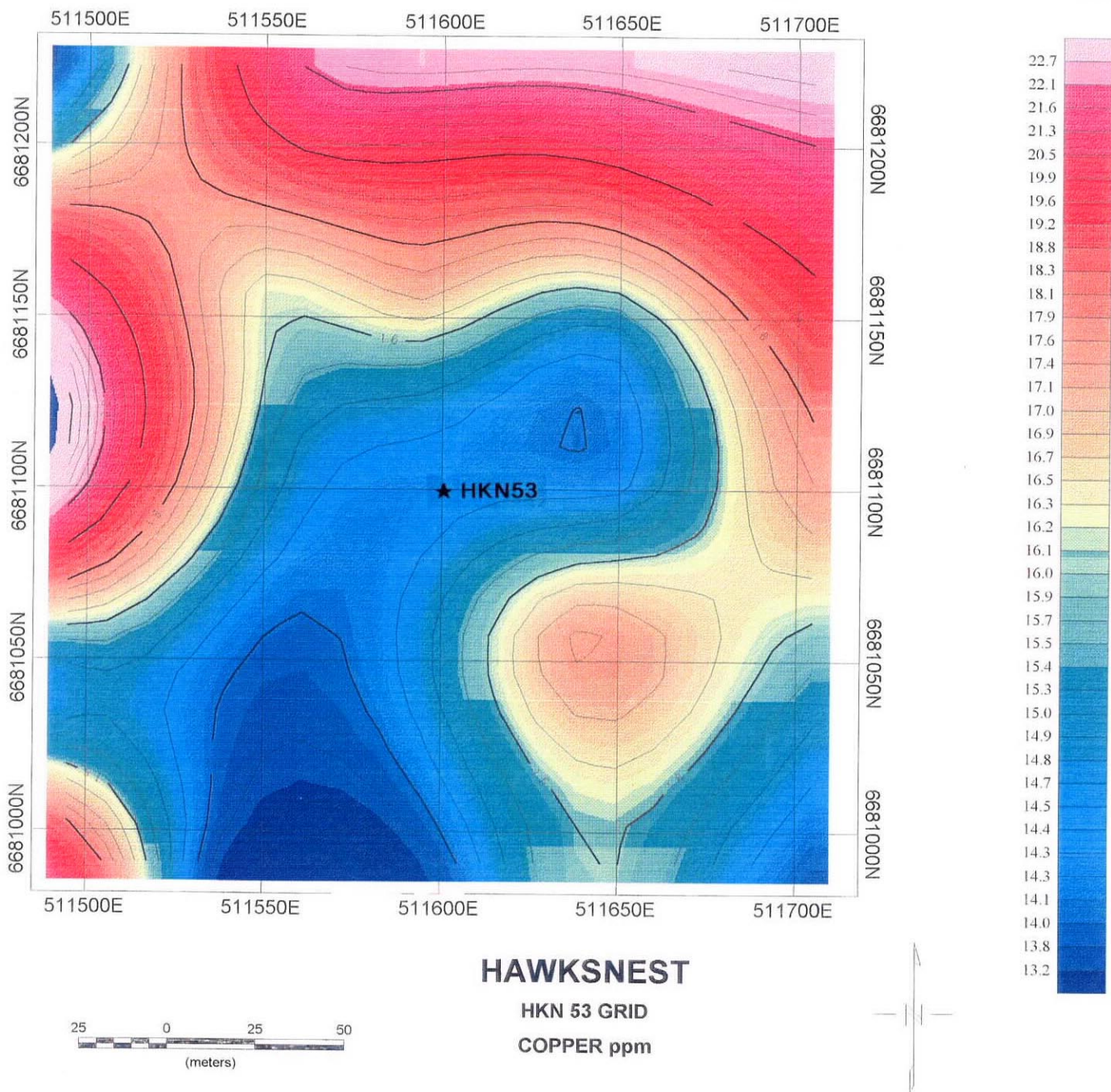
HKN 53 GRID

SILVER ppb









Appendix 7

Detailed HKN 99 Grid contour plans for :

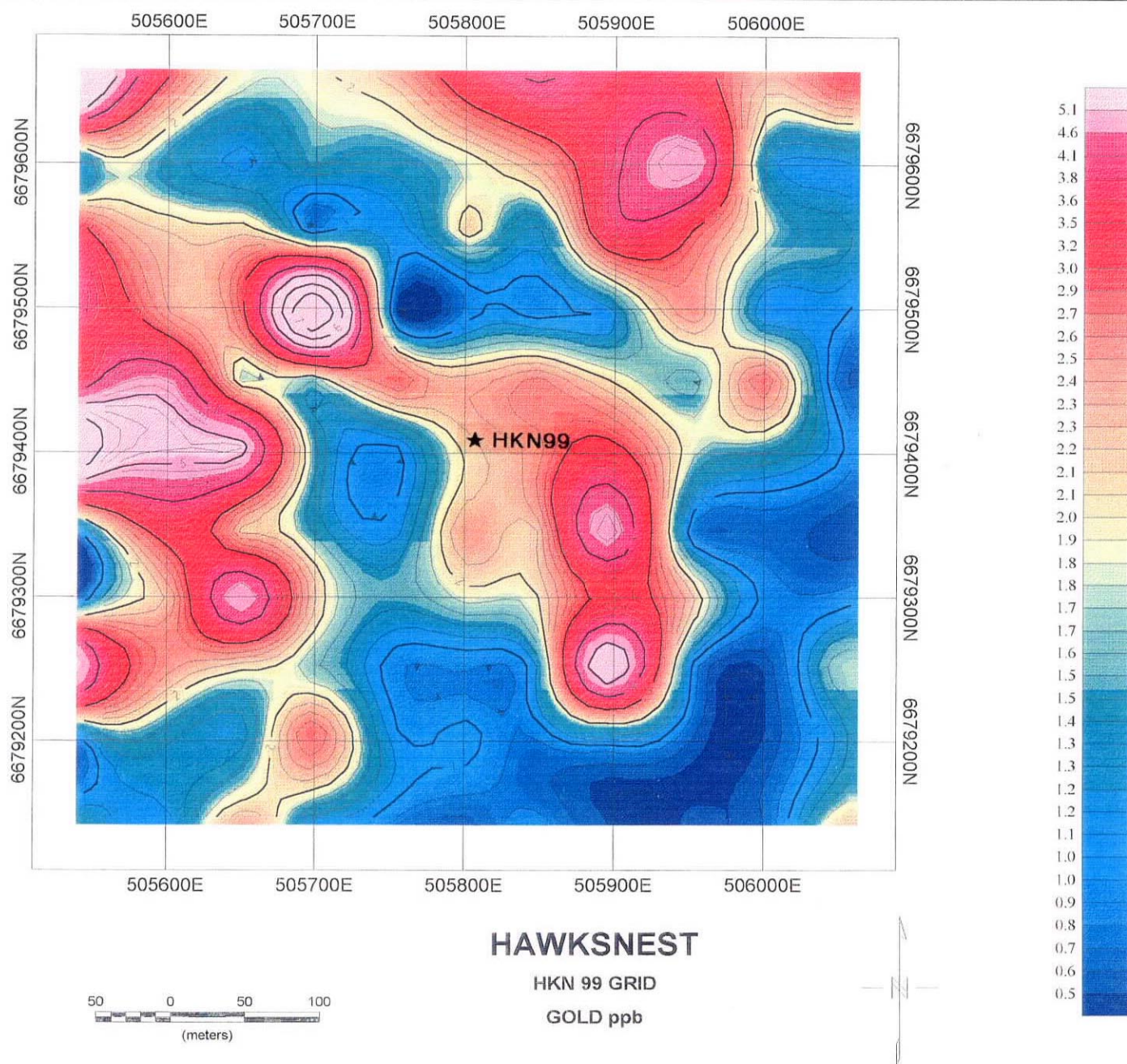
Au

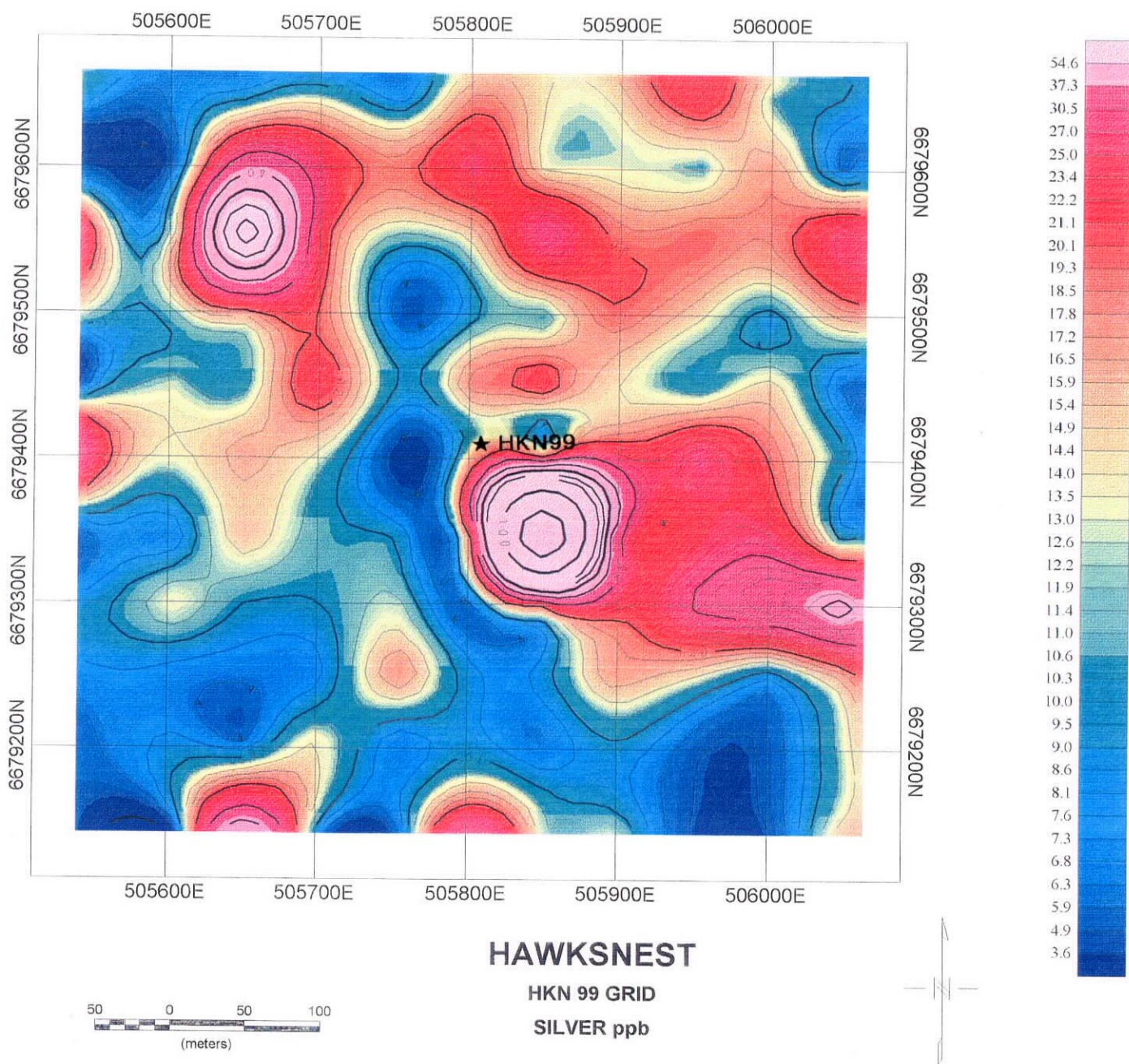
Ag

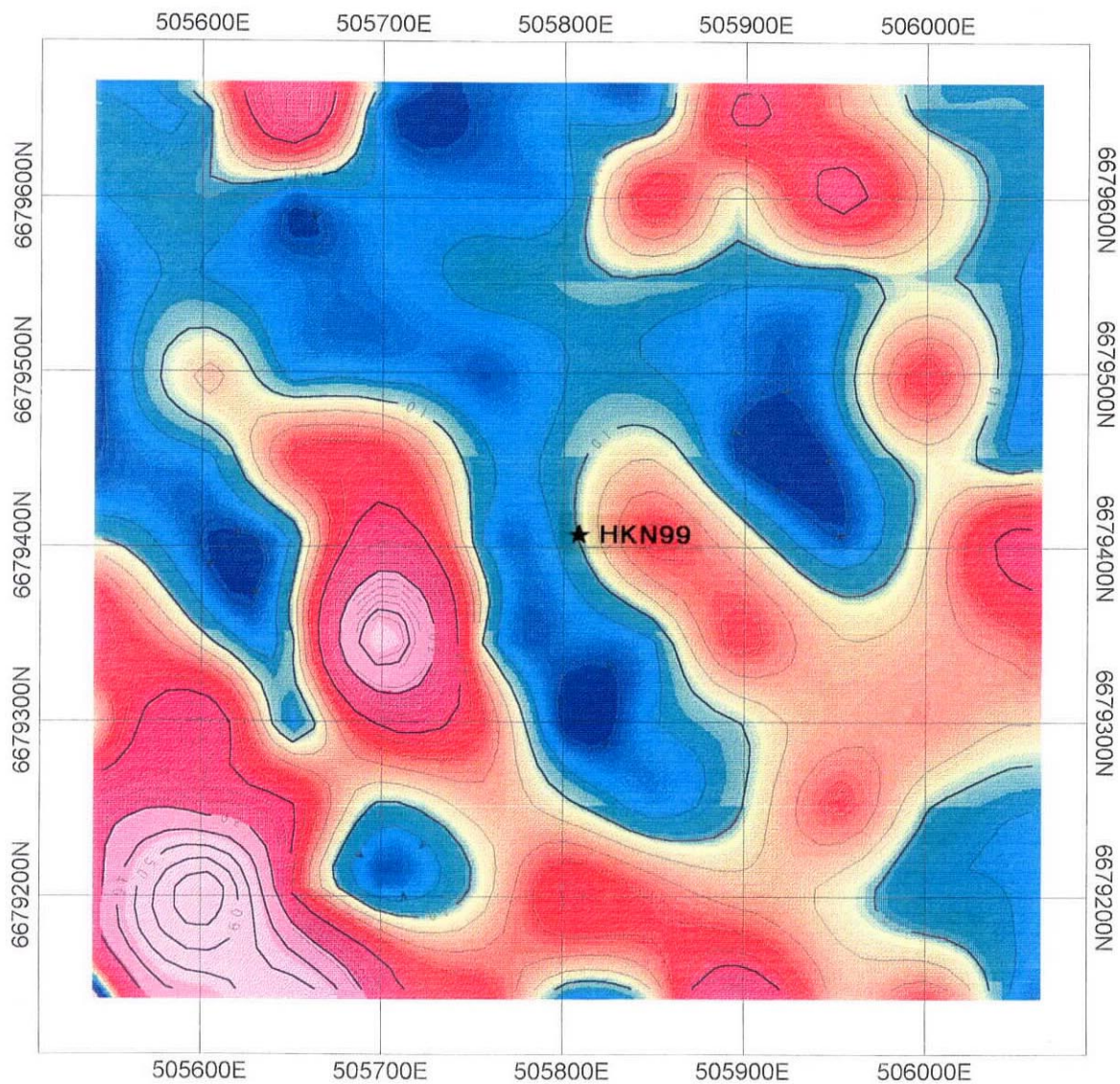
As

Ca

Cu







43.7
30.3
24.5
20.9
19.1
17.9
17.0
16.2
15.6
15.1
14.4
13.9
13.6
13.2
12.9
12.5
12.2
11.8
11.3
11.0
10.6
10.3
10.0
9.6
9.3
9.0
8.8
8.6
8.4
8.2
8.0
7.7
7.6
7.4
7.1
6.9
6.7
6.5
6.2
5.8

HAWKSNEST

HKN 99 GRID
ARSENIC ppm

50 0 50 100
(meters)

