C.R.A. EXPLORATION PTY. LIMITED

FINAL REPORT

BEACON HILL E.L. 1733

PINE CREEK BASIN, N.T.

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Submitted to : W.H. Johnston

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CONTENTS

1. SUMMARY

Title to Exploration Licence 1733 was granted to C.R.A. Exploration Pty. Limited on 6th December, 1978.

Exploration activity has consisted of 1:25,000 scale geological mapping, ironstone sampling and geochemical soil sampling. This work delineated one second order and six third order soil anomalies. These are not considered to represent significant base metal accumulations.

C.R.A. Exploration Pty. Limited should relinquish Exploration Licence 1733.

2. INTRODUCTION

C.R.A. Exploration Pty. Limited was granted an area of 12.8sq.miles as E.L. 1733 Beacon Hill on 6/12/78. The location of the Exploration Licence within the Pine Creek Basin is shown on Plan NTd 1000.

3. CONCLUSIONS

The regional mapping programme outlined horizons which are considered prospective for shale-hosted base-metal deposits. Soil sampling over the favourable horizons delineated seven low order anomalies. Low base-metal values were returned from the anomalies and they are not thought to represent economic base-metal mineralization.

One elevated copper value from the ironstone sampling programme reflects secondary copper mineralization of very limited extent.

4. RECOMMENDATIONS

C.R.A. Exploration interest in Beacon E.L. 1733 should be terminated.

5. FIELD WORK

5.1 Regional Mapping

The first stage of work consisted of 1:25,000scale

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regional geological mapping of the Pine Creek Basin.

Colour air photo interpretation was followed by field traverses and gossan sampling. Pyritic carbonaceous shale horizons were considered most prospective for base-metals, and their outcrop was outlined prior to soil sampling. Formation outcrop is shown on the soil geochemical plan accompanying this report.

The stratigraphic sequence established for the whole section developed in the Pine Creek Basin is summarized below.

Group	Symbol	Formation	Lithology
Pine Ck Granites	Plg		Granite
Zamu Complex	Plo		Dolerite
	(Plfb	Burrell Ck	Greywacke,siltstone
Finniss River	(Plfm	Mary River Beds	Greywacke,siltstone chert,dolutite
	(Pldd	Douglas Ck	Dolutite,chert
	(Pldg	Gerowie	Ferruginous dolomite chert,tuff
	(Pldk	Koolpin	Highly pyritic carbonaceous shale with chert layers and nodule concentrations
	(Plmg	George Ck	Siltstone, fine grain sandstone and greywacke
	(Plmc	Maude Ck	Pyritic carbonaceous shale
Masson	(Plmm	Mt.Masson Grit	Sandstone, pyritic shale
	(Plmn	Namoona	Pyritic carbonaceous shale
	(Plmn	Halfway Peak	Grits,conglomeratic shale
Batchelor	Plb		Dolomite,coarse clastics

This stratigraphy is similar to that established by the B.M.R. (Walpole and Others, 1968) but it differs in detail. Type localities and fuller descriptions of these formations are described by Wills (1978).

The Granites, Zamu Complex and Burrell Creek Formation are as described by the B.M.R. The Mary River Beds are transitional between, and contain the characteristics of both the Burrell Creek and Douglas Creek Formations; they contain an unusual greywacke-chert assemblage.

The Douglas Creek Formation represents the upper half

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of the Golden Dyke Formation as mapped by the B.M.R. The Gerowie Formation is transitional between the Douglas Creek and Koolpin Formations. It contains tuffaceous shale horizons which are currently being used as marker horizons by the B.M.R. (Needham and Others, 1977). The Koolpin Formation contains identical lithologies to the Koolpin Formation of the South Alligator Valley (Walpole, Op. Cite.), and corresponds to the lower portion of the B.M.R.'s Golden Dyke Formation. The base of the Golden Dyke Group has been recognised as a regional unconformity.

The Masson Group lies stratigraphically below this unconformity. This consists of interbedded carbonaceous pyritic arenites and argillites. Where arenites are dominant, the separate George Creek, Mt.Masson Grit and Halfway Peak Formations have been delineated. This sequence of two argillite and three arenite units is identical to that described by Hayes (1960) in a report on the Mt.Harris Tinfield.

Within the E.L. the Douglas Creek Formation was considered the most prospective and this has received most attention during follow up soil sampling.

5.2 Ironstone Sampling

Ironstone rock chips were sampled in conjunction with the regional mapping. These samples were assayed for Pb, Zn, Cu, Mn, Ag, U and Sn. Assays are listed for each E.L. in Appendix 1 and Sample Locations are shown on Plan NTd 973.

Dump material from shallow workings on minor showings of copper carbonate returned as assay of 1.96% Cu. The extent of mineralization observed is too small to warrant further attention.

5.3 Regional Soil Sampling 1978

Anomaly Classification

Geochemical Plan NTd 973 was colour coded for Pb, Zn and Cu. The intervals used were derived from statistical analysis on the assay of 14,000 samples collected in the 1977 regional soil survey. Six colours were used for the following intervals:

	PERCENTILE	INTERVALS (p.p.m.)		
Colour	Division	Pb	Zn	Cu
green	0 - 16	0 - 12	0 - 8	0 - 10
blue	16 - 50	13 - 20	9 - 18	11 - 22
mauve	50 - 86	21 - 40	19 - 60	23 - 54
purple	86 - 93	41 - 60	60 - 100	55 - 77
red	93 - 97.5	61 - 120	101 - 200	76 - 110
orange	97.5 - 100	>120	>200	>110

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TABLE 1 : 1978 REGIONAL SOIL ANOMALIES

Anomaly	Line	Direct	Dist.	Anomalous Elements	Length (km)	Width (m)	Terrain	Formation	Order	Field Check
EACON HILL E.L. 1733										
16.1	482	NW	500m	Zn	<1	50	2	Plfm	3	3
16.2	482	NW	300m	Pb	<1	50	3	Pldd	3	3
16.3	483	NW	1.1km	Pb	<1	50	2	Pldd	3	3
16.4	483 484	NW	1.45km	Pb	<1	100	2	Pldd	3	3
16.5	485 486	W	500m	Pb,Cu	2.5<3.0	100	3	Pldk	2	3
16.6	484	W	2.60km	Cu	<1	50	3	Plfb	3	3
16.7	483	NW	350m	Cu	<1	50	2	Pldd	3	3

Abbreviations

Direct. and Dist ⇒ Direction and distance along line to centre of the anomaly
Terrain : 1 = flat, 2 = moderate, 4 = steep
Order : 1 = first order, 2 = second order, 3 = third order anomalies
Field Check : hole of 1 to 4 depending on priority, 1 = lowest
Formation :

Plfb = Burrell Creek Beds
Plfm = Mary River Beds
Pldd = Douglas Creek Formation
Pldk = Koolpin Formation

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All data were then reviewed, including; colour coded maps, field data, extra assays on anomalous samples, rock chip assays, stratigraphic position and previous work. The following anomaly classification was used :

First Order Anomalies - Those thought to be caused by mineralization

Second Order Anomalies - Those that might be caused by mineralization

Third Order Anomalies - Statistical anomalies

This subjective classification was preferable to and more useful than a purely statistical classification because of the large amount of other information in addition to the soil assays.

Typically, first order anomalies contained over 120 ppm Pb, were more than one sample wide, showed up along strike on more than one regional line and contained other upgrading features such as anomalous Ag or rock chip anomalies. Second order anomalies generally showed lower Pb, were narrower, shorter and were thought to be caused by minor mineralization or lithological differences. Third order anomalies were statistical, and not thought to be caused by mineralization.

5.4 Field Technique

Prospective horizons for base-metal mineralization had been previously delineated by geological mapping (Wills, 1977 A & B). The prospective horizons were covered by lines of 'A' horizon soil traverses. Lines were positioned at approximately 1km intervals along strike and samples were taken every fifty metres along lines. Shallow pits (10-15cm) were dug with a mattock and soils sieved on site. The -80 mesh fraction was analysed by A.A.S. for lead, zinc, copper and manganese at Tetchem Laboraties Cairns under D.P.O.'s 20816, 20819 and 19897.

Line position and assay results are shown in relation to geology on Plan NTd 973.

One second order and six third order anomalies were detected and are listed in Table 1. Anomaly 16.5 returned maximum assays of 97ppm Pb and 76ppm Cu from adjacent samples. These are thought to represent lithological differences rather than base metal accumulations. The remaining anomalies are mono-metallic with assay maxima of 150ppm Pb, 94ppm Zn and 365ppm Cu.

None are considered to be sufficiently high to warrant further work.

REFERENCES

Hayes, J.	1960	The Geology of the Mount Harris Tin Field, N.T. B.M.R. Record 1960/2
Needham, R.S., and Others	1977	Pine Creek Geosyncline Project in B.M.R. Record 1977/45 pp 129 - 138
Walpole, B.P. and Others	1968	Geology of the Katherine - Darwin Region, N.T. B.M.R. Bull. No. 82
Wills, K.J.	1977a	Annual Report Burnside East E.L. 1137, Pine Creek Basin, N.T. CRAE Report No. 8962
Wills, K.J.	1977b	Annual Report Burnside West E.L. 1149, Pine Creek Basin, N.T. CRAE Report No. 8963
Wills, K.J.	1978	Regional Mapping of the Pine Creek Basin, N.T. CRAE Report in preparation No.8798

KEYWORDS

Lead, zinc, carbonate, shale, Proterozoic-Lr, geochem-soils, geochem rock, geol - mapping - regional, copper.

LOCATION

Pine Creek	SD52-8	1:250,000 map sheet

LIST OF PLANS

Plan No.	Title	Scale
~~NTd 1000~~	Location of E.L. 1733, N.T.	1:250,000
NTd 973	Soil Geochemical Map Beacon Hill E.L. 1733 Pine Creek Basin, N.T.	1:250,000

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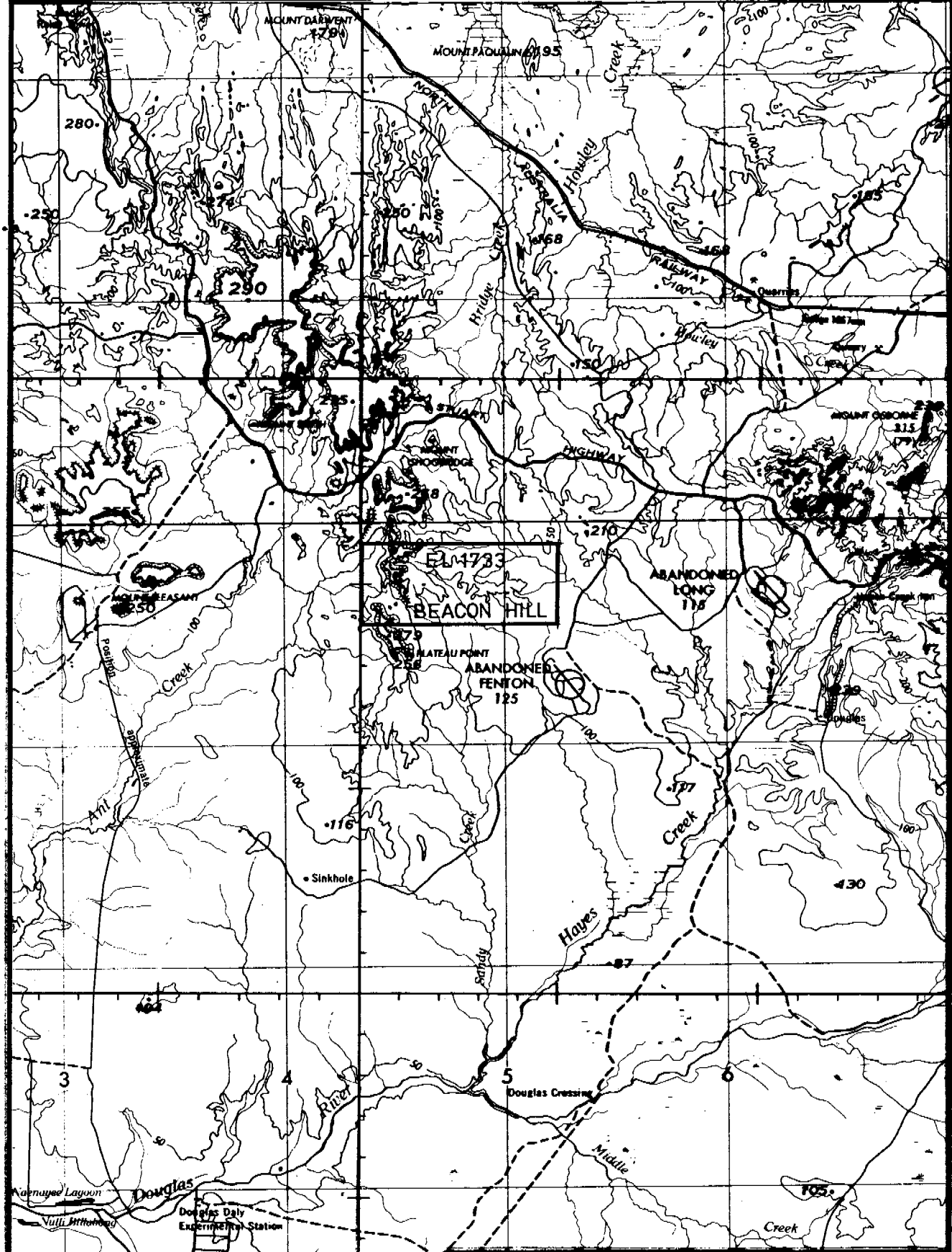

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LOCATION OF

EL 1733

N.T.

Reference SD 52-8		
Geologist J.P.I.	Scale 1:250,000	Report No.
Drawn F.M.C.	Date MARCH 1979	Plan No. NTd 1000

APPENDIX 1

IRONSTONE ASSAY SHEETS

Area: BEACON HILL Photo:

Collected by: JI Date: D.P.O. 20822

C.R.A. EXPLORATION

CHIP FIELD DATA SHEET

N.B. ALL NUMERIC DATA ONLY PUNCH CARDS FOR LINES WITH NUMBERS IN FIRST SIX COLUMNS

REFER TO PLAN No. NTd 973 FOR LOCATIONS

SAMPLE	CO-ORDINATES	AREA	SAMPLE TYPE	LITHOLOGY	TEXTURE	MINERALOGY	No. of CHIPS	PB	ZN	CU	MN	AG	SN	U	AU
252205		16	4	10	2 3 9	1 2 3 6	23	110	188	69	239	—	1	2	—
252206		16	4	10	2 3 9	1 2 3 6	17	95	48	223	210	1	1	5	—
252207		16	4	10	2 3 9	1 2 3 6	21	211	80	124	156	—	1	8	—
252208		16	4	10	2 3 9	1 2 3 6	19	161	88	121	140	1	1	5	—
252209		16	4	11	2 9	2 5 6	14	18	11	1.96	53	—	3	6	—
266781								95	22	36	130	2	< 2	14	—
266782								33	45	57	60	2	< 2	6	—
266783								67	70	36	160	2	< 2	8	—
266784								26	29	20	70	1	20	6	—
266728								250	20	60	70	1	< 2	12	—
266729								110	17	44	30	2	< 2	8	—

APPENDIX 2

SOIL FIELD DATA SHEETS

PINE CREEK BASIN 1978 SOIL FIELD DATA FILE KEY

1 SAMPLE *CRAE SIX FIGURE SAMPLE NUMBERS

2 CORDINATES *NORTHERLY AND EASTERLY GRID COORDINATES IN METRES

3 A *AREA SAMPLED ACCORDING TO FOLLOWING LIST

1 NAMOONA PROSPECT	7 FRANCES CREEK WEST	13 MARRAKI EL
2 GEORGE CREEK	8 HORSESHOE	14 LIVINGSTONE ELA
3 MINGLO SOUTH	9 SNADDENS CREEK	15 COOMALITE CREEK EL
4 PJ PROSPECT	10 FOUNTAIN HEAD	16 BEACON HILL ELA
5 MT HARRIS WEST	11 HAYES CREEK	17 BEATRICE HILL EL
6 MILLWOODS EXTENSION	12 DORA CREEK	18 LAKE DEANE EL

4 D *SLOPE UPHILL DIRECTION 1 N-NE 2 NE-E 3 E-SE 4 SE-S 5 S-SW 6 SW-W 7 W-NW 8 NW-N

5 SL *SLOPE ANGLE ESTIMATED IN DEGREES

6 DH *DEPTH OF HOLE SAMPLES IN CENTIMETRES

7 GR *GRAVEL - ESTIMATED PERCENTAGE IN SAMPLE

8 S *SOIL TYPE 1 SKELETAL 2 SCREE 3 RESIDUAL 4 COLLUVIAL 5 ALLUVIAL

9 SC *SOIL COLOUR ACCORDING TO FOLLOWING LIST

10 WHITE 14 BLACK 90 ORANGE

	GREY	BROWN	GREY-BWN	RED-BWN	YELLOW-BWN	RED-GREY	YELLOW-GREY	YELLOW	RED
LIGHT	11	21	31	41	51	61	71	81	91
MEDIUM	12	22	32	42	52	62	72	82	92
DARK	13	23	33	43	53	63	73	83	93

10 O *OUTCROP TYPE 1 NO OUTCROP 2 SUBCROP 3 MINOR OUTCROP 4 MAJOR OUTCRP

11 RT *ROCK TYPE ACCORDING TO FOLLOWING LIST

1 SHALE	10 FERRUG SILTSTONE	19 BASALT
2 SL FERRUG SHALE	11 FERRUG SANDSTONE	20 LIMESTONE/DOLOMITE
3 VY FERRUG SHALE	12 FINE QTZ SANDSTONE	21 GRIT
4 SILICEOUS SHALE	13 FINE GREYWACKE	22 CONGLOMERATE
5 SANDSTONE	14 GREYWACKE	23 TUFFACEOUS SHALE
6 IRONSTONE	15 SHALE WT CHERT NODULES	24 QTZ IRON BRECCIAS
7 GOSSAN	16 IRONSTN WT MAJ CHT NODS	25 SILICA BRECCIAS
8 FLINTY SHALE	17 DOLERITE	26 SHALE BRECCIAS
9 SILTSTONE	18 GRANITE	27 ACID VOLCANIC

12 SF *SPECIAL FEATURES 1 QTZ FRAGS 2 FERRICRETE LATERITE 3 NEAR RIDGE 4 NEAR VALLEY 5 GOSSAN OUTCROP 6 BEDDING CLEAR 7 HORNFELS 8 VEG ANOM 9 SWAMPY

13 X *CONTAMINATION 1 MINE WORKINGS 2 COSTEANS/TRENCHES 3 TRACKS 4 BUILDINGS 5 FENCES 6 RUBBISH 7 NATURAL DILUTION

14 SNT *SCINTILLOMETER READING IN CPS

15-21 *PB ZN CU MN AG SN AU

ASSAYS IN PPM

NB IF ASSAY IS SHOWN AS 999

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	SAMPLE	CORDINATES	A	D	SL	DH	GR	S	SC	O	RT	SF	X	SNT	PB	ZN	CU	MN	AG	SN	AU
1	748691	480W 000E	16	4	1	20	20	3	71	1	9	2	6		29	13	33	1020			
2	748692	480W 050E	16	4	1	20	20	3	71	1	9	2	6		17	13	28	497			
3	748693	480W 100E	16	4	1	15	20	3	71	1	9	2			14	12	20	540			
4	748694	480W 150E	16	4	1	10	15	3	71	1	9	2			13	13	8	137			
5	748695	480W 200E	16	4	1	15	15	3	61	1	9				11	15	9	313			
6	748696	480W 250E	16	4	1	15	20	3	31	1	9				7	17	6	176			
7	748697	480W 300E	16	4	1	20	5	5	12	1					10	15	12	103			
8	748698	480W 350E	16	4	1	20	3	5	11	1					10	8	10	74			
9	748699	480W 400E	16	8	2	10	5	5	12	1					6	6	7	31			
10	748701	480W 450E	16	8	1	20	5	5	11	1					14	9	5	69			
11	748702	480W 500E	16	4	1	15	8	5	13	2	9	2			9	24	5	88			
12	748703	480W 550E	16	8	1	15	15	3	22	1	9	2			26	28	28	6100			
13	748704	480W 600E	16	8	2	20	15	3	23	1	9	2			41	16	66	12700			
14	748705	480W 650E	16	8	2	20	20	3	23	1	9	2			50	16	55	12300			
15	748706	480W 700E	16	8	2	15	15	3	22	1	9				52	16	44	9060			
16	748707	480W 750E	16	8	2	10	15	3	22	1	9		6		47	12	32	5030			
17	748708	480W 800E	16	8	2	20	15	3	41	1	9	2			39	13	37	4160			
18	748709	480W 850E	16	6	2	20	15	3	41	1	9				33	10	30	4010			
19	748710	480W 900E	16	6	2	20	20	3	41	1	9				24	13	23	2270			
20	748711	480W 950E	16	5	2	10	20	3	41	1	9				21	9	18	2930			
21	748712	480W1000E	16	8	2	20	20	3	42	1	9				31	20	28	7600			
22	748713	480W1050E	16	8	2	20	20	3	42	2	9				29	22	13	4860			
23	748714	480W1100E	16	4	2	15	20	3	71	3	12				16	7	6	1640			
24	748715	480W1150E	16	4	2	15	20	3	71	1	9				16	79	14	1010			
25	748716	480W1200E	16	4	2	20	20	3	71	1	9				15	60	12	655			
26	748717	480W1250E	16	4	3	15	25	3	72	1	9				17	25	5	65			
27	748718	480W1300E	16	4	3	15	20	3	31	1	9				10	25	5	370			
28	748719	480W1350W	16	4	2	20	15	3	71	1	9				14	14	6	417			
29	748720	480W1400W	16	4	2	20	5	5	31	1					13	14	11	530			
30	748721	480W1450W	16	8	3	20	10	4	13	1					10	7	5	50			
31	748722	480W1500W	16	8	3	20	20	3	13	1	9				9	5	5	116			
32	748723	480W1550W	16	8	3	15	20	3	13	1					15	6	5	253			
33	748724	480W1600W	16	8	2	15	20	3	71	1	9				10	10	5	228			
34	748725	480W1650W	16	8	2	15	25	1	21	3	9	1			10	11	6	400			
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38	748729	480W1850W	16	8	1	10	15	3	71	1	9	1			18	68	19	428			
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40	748731	480W1950W	16	8	1	20	20	3	13	1	9	1			8	13	3	118			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	SAMPLE	CORDINATES	A	D	SL	DH	GR	S	Sc	O	RT	SF	X	SNT	PB	ZN	CU	MN	AG	SN	AU
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42	748733	480W2050W	16	4	1	15	20	3	71	1	9				8	10	5	130			
43	748734	480W2100W	16	4	1	10	20	3	71	1	10	1			7	7	3	120			
44	748735	480W2150W	16	4	2	15	25	3	71	1	10				5	6	4	96			
45	748736	480W2200W	16	4	2	20	5	5	12	1					8	6	3	73			
46	748737	480W2250W	16	4	5	20	20	4	71	1	10				10	13	5	136			
47	748738	480W2300W	16	8	1	20	5	5	71	1					10	6	8	199			
48	748739	480W2350W	16	8	1	20	5	5	71	1					10	9	9	424			
49	748740	480W2400W	16	8	1	20	5	5	71	1					10	14	6	340			
50	748741	480W2450W	16	8	1	20	5	5	71	1					10	13	6	134			
51	748742	480W2500W	16	8	1	15	20	3	13	1	9				12	11	7	423			
52	748743	480W2550W	16	8	1	15	20	3	13	1	9				11	6	8	252			
53	748744	480W2600W	16	4	1	15	5	5	12	1					8	5	5	116			
54	748745	480W2650W	16	4	1	10	5	5	13	1					8	4	4	124			
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56	748747	480N2750W	16	4	1	15	5	5	12	1					7	4	5	281			
57	748748	480N2800W	16	4	1	15	5	5	71	1					14	7	10	305			
58	748749	480N2850W	16	4	1	20	15	3	71	1	9				10	5	6	200			
59	748751	480N2900W	16	4	1	20	8	5	71	1					9	6	6	348			
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61	748753	480N3000W	16	4	1	20	5	5	71	1					11	6	7	31			
62	761101	481N 000N	16	8	1	15	15	3	22	1	2				19	10	5	364			
63	761102	481N 050N	16	8	1	15	20	3	22	1	2				22	8	5	307			
64	761103	481N 100N	16	8	1	15	20	3	22	3	2				41	12	6	317			
65	761104	481N 150N	16	8	1	15	15	3	22	3	2				43	16	5	235			
66	761105	481N 200N	16	7	1	15	20	3	22	3	2				52	8	6	222			
67	761106	481N 250N	16	6	1	15	15	3	23	3	2				28	5	4	204			
68	761107	481N 300N	16	6	1	15	15	3	52	1	2				17	18	5	216			
69	761108	481N 350N	16	6	1	15	15	3	32	1	2				15	17	5	272			
70	761109	481N 400N	16	6	1	15	15	3	32	1	2				13	13	3	175			
71	761110	481N 450N	16	6	1	15	15	3	52	4	2				12	23	4	321			
72	761111	481N 500N	16	7	1	15	20	3	72	3	2				12	16	4	102			
73	761112	481N 550N	16	6	3	20	25	3	22	1	2				12	30	6	318			
74	761113	481N 600N	16	5	3	20	20	3	23	1	2				31	23	20	466			
75	761114	481N 650N	16	7	1	20	1	5	12	1					29	26	46	225			
76	761115	481N 700N	16	8	3	15	25	3	23	1	9				14	6	7	136			
77	761116	481N 750N	16	8	2	15	20	3	52	2	9	1			13	8	6	111			
78	761117	481N 800N	16	1	2	15	25	3	22	3	9	1			16	25	26	197			
79	761118	481N 850N	16	1	1	15	20	3	41	3	2				12	10	5	154			
80	761119	481N 900N	16	1	1	15	15	3	72	1	2				10	11	8	131			

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	SAMPLE	CORDINATES	A	D	SL	DH	GR	S	SC	O	RT	SF	X	SNT	PB	ZN	CU	MN	AG	SN	AU
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82	761121	481N1000N	16	2	1	15	10	3	73	1	2				11	14	15	48			
83	761122	481N1050N	16	2	1	15	1	5	71	1					11	9	15	110			
84	761123	481N1100N	16	1	1	15	20	3	73	1	2				10	11	22	233			
85	761124	481N1150N	16	1	2	15	15	3	72	1	2				9	5	11	61			
86	761125	481N1200N	16	1	3	15	30	3	53	2	2	1			14	18	30	460			
87	761126	481N1250N	16	2	2	15	20	3	42	3	2	1			13	26	25	223			
88	761127	481N1300N	16	4	3	15	35	3	33	2	3	1			13	8	14	79			
89	761128	481N1350N	16	4	3	15	20	3	61	1	3	1			10	8	32	39			
90	761129	481N1400N	16	4	4	15	25	3	62	1	2	1			10	20	30	456			
91	761130	481N1450N	16	7	3	15	10	3	73	1	2				33	13	20	439			
92	761131	481N1500N	16	7	5	15	35	3	73	1	9	1			13	9	12	362			
93	761132	481N1550N	16	5	2	15	30	3	62	3	5	1			8	3	11	123			
94	761133	481N1600N	16	5	1	15	15	3	73	1	2				9	9	8	139			
95	761134	481N0505N	16	4	1	15	10	3	31	1	2				11	12	5	150			
96	761135	481N 100S	16	4	1	15	10	3	31	1	2				12	12	7	45			
97	761136	481N 150S	16	2	1	15	5	5	31	1					12	14	8	272			
98	761137	481N 200S	16	3	3	15	15	3	32	1	2				14	13	39	1080			
99	761138	481N 250S	16	3	1	15	15	3	32	1	2				12	8	23	485			
100	761139	481N 300S	16	4	1	15	10	3	72	1	2				9	6	11	210			
101	761140	481N 350S	16	4	1	15	15	3	71	1	2				8	5	9	300			
102	761141	481N 400S	16	4	1	15	15	3	72	1	2				10	7	11	382			
103	761142	481N 450S	16	4	1	15	15	3	71	1	2				8	7	14	209			
104	761143	481N 500S	16	4	1	15	15	3	71	1	2				9	7	17	164			
105	761144	481N 550S	16	4	1	15	20	3	72	1	2				12	11	26	277			
106	761145	481N 600S	16	4	1	15	10	3	71	1	2				11	11	25	125			
107	761146	481N 650S	16	4	1	15	10	3	31	1	2				10	8	19	150			
108	761147	481N 700S	16	4	1	15	15	3	71	1	2				13	11	22	102			
109	761148	482N 000N	16	7	2	5	15	3	52	1	2	2			12	6	9	254			
110	761149	482N 050N	16	7	2	10	15	3	31	1	2	2			12	6	10	52			
111	761151	482N 100N	16	7	2	15	15	3	31	1	2	2			11	5	9	66			
112	761152	482N 150N	16	7	3	15	15	3	52	1	52				10	6	20	116			
113	761153	482N 200N	16	8	5	30	15	4	32	1	59				14	8	7	82			
114	761154	482N 250N	16	8	10	30	15	4	62	4	259	3			36	7	6	89			
115	761155	482N 300N	16	4	10	30	15	4	62	4	9	3			61	12	9	64			
116	761156	482N 350N	16	4	5	10	15	3	31	1	9				27	3	10	147			
117	761157	482N 400N	16	1	2	0	15	5	31	1	0	4			60	94	19	142			
118	761158	482N 450N	16	7	2	5	15	3	31	1	9	4			55	41	24	88			
119	761159	482N 500N	16	8	4	40	15	4	31	1	29				150	39	26	67			
120	761160	482N 050S	16	5	2	0	15	5	12	1	0				13	4	10	50			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
SAMPLE	CORDINATES	A	D	SL	DH	GR	S	SC	O	RT	SF	X	SNT	PB	ZN	CU	MN	AG	SN	AU
121	761161 482N 100S	16	6	3	0	15	5	12	1	0				19	8	17	104			
122	761162 482N 150S	16	3	2	0	15	5	31	1	0				16	15	23	140			
123	761163 482N 200S	16	4	2	15	15	3	31	1	0				15	7	11	232			
124	761164 482N 250S	16	4	2	0	15	5	31	1	0				14	6	10	378			
125	761165 482N 300S	16	4	0	5	15	3	12	1	9				10	3	7	200			
126	761166 482N 350S	16	4	0	5	15	3	51	1	9				11	5	10	392			
127	761167 482N 400S	16	4	0	15	15	3	71	1	53				10	5	9	337			
128	761168 482N 450S	16	4	0	10	15	3	52	1	5	1			11	4	9	196			
129	761169 482N 500S	16	4	0	5	15	3	72	1	5	1			12	7	14	264			
130	761170 482N 550S	16	4	0	0	15	5	11	1	0				11	5	5	41			
131	761171 482N 600S	16	4	0	5	15	3	31	1	5				13	10	13	126			
132	748754 483W 000W	16	7	1	20	5	5	71	1					14	5	7	83			
133	748755 483W 050W	16	7	1	20	5	5	11	1					15	6	9	166			
134	748756 483W 100W	16	7	2	20	20	3	71	1	9				10	6	11	192			
135	748757 483W 150W	16	7	2	20	20	3	71	1	9				12	9	15	418			
136	748758 483W 200W	16	7	2	15	20	3	11	1	9				10	6	37	328			
137	748759 483W 250W	16	7	3	20	20	3	12	1	9				10	6	18	196			
138	748760 483W 300W	16	7	2	10	20	3	71	1	9	1			8	5	50	199			
139	748761 483W 350W	16	3	2	20	25	3	31	1	9	1			11	6	240	186			
140	748762 483W 400W	16	7	2	15	15	3	31	1	9				40	32	22	197			
141	748763 483W 450W	16	7	2	15	5	5	12	1					21	13	14	71			
142	748764 483W 500W	16	7	2	15	5	5	71	1					12	4	9	43			
143	748765 483W 550W	16	7	2	20	25	3	71	1	9				21	7	9	402			
144	748766 483W 600W	16	7	2	15	20	3	71	1	9				19	6	10	392			
145	748767 483W 650W	16	7	2	15	20	3	73	1	9	1			12	10	9	290			
146	748768 483W 700W	16	7	2	20	20	3	71	1	9	1			21	14	36	322			
147	748769 483W 750W	16	7	2	15	20	3	12	1	9				24	28	23	272			
148	748770 483W 800W	16	7	2	15	10	3	71	1					16	6	6	116			
149	748771 483W 850W	16	7	2	15	5	5	71	1					9	4	6	37			
150	748772 483W 900W	16	7	2	15	5	5	71	1					13	5	10	71			
151	748773 483W 950W	16	3	3	20	5	5	71	1					12	6	7	58			
152	748774 483W1000W	16	3	2	20	15	3	71	1	9				18	9	11	193			
153	748775 483W1050W	16	3	2	20	15	3	12	1	9				35	14	22	407			
154	748776 483W1100W	16	3	2	20	20	3	22	1	9				65	60	54	780			
155	748777 483W1150W	16	3	2	15	20	3	42	1	9				52	58	54	1075			
156	748778 483W1200W	16	3	2	20	20	3	72	1	9				28	25	24	380			
157	748779 483W1250W	16	3	4	20	25	3	72	1	9				22	13	16	284			
158	748780 483W1300W	16	3	4	15	20	3	71	1	9				16	9	15	113			
159	748781 483W1350W	16	3	4	20	20	3	71	1	9				23	12	15	52			
160	748782 483W1400W	16	8	3	15	20	3	71	1	9				87	40	16	357			

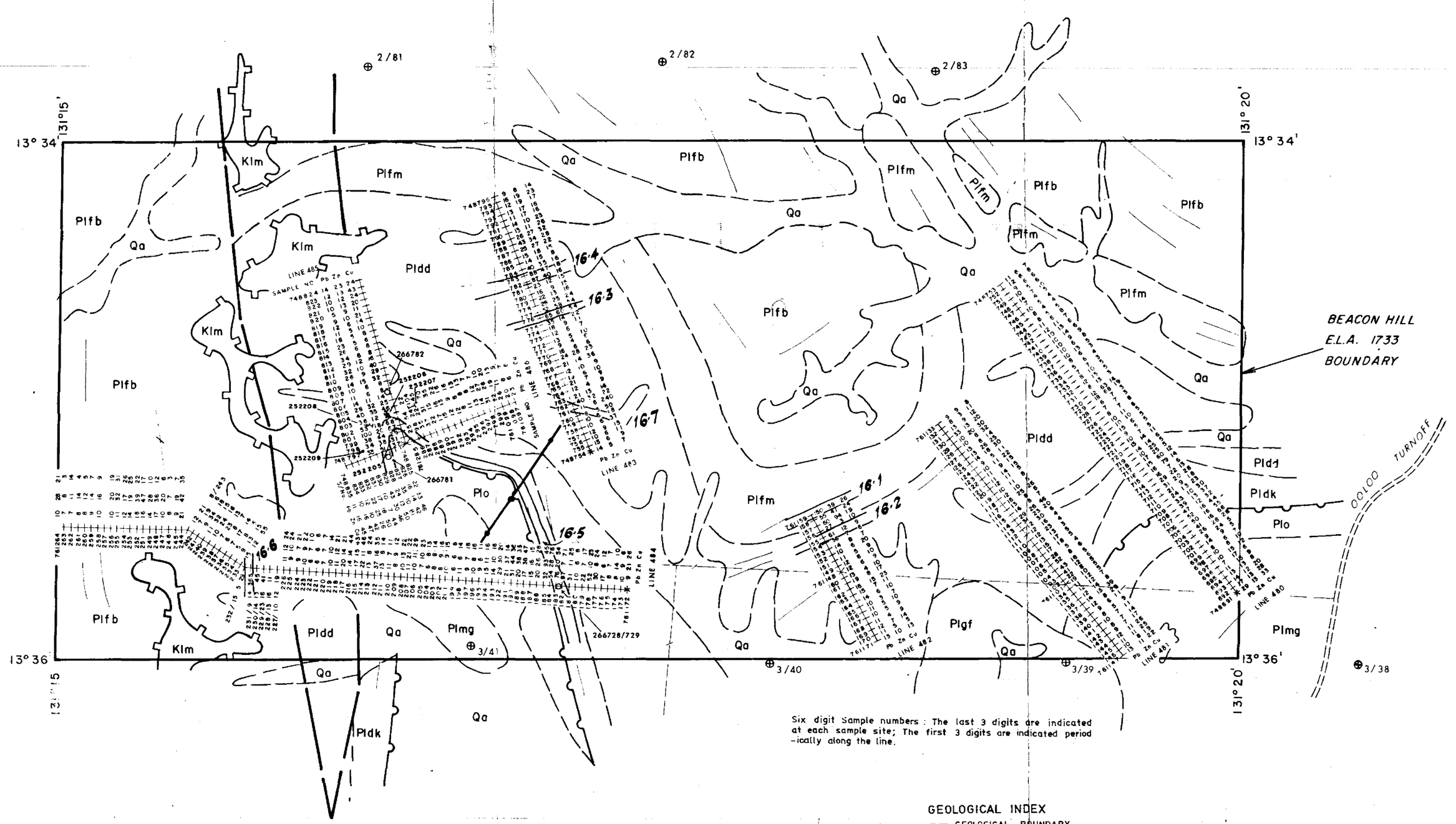
	1 SAMPLE	2 CORDINATES	3 A	4 D	5 SL	6 DH	7 GR	8 S	9 SC	10 O	11 RT	12 SF	13 X	14 SNT	15 PB	16 ZN	17 CU	18 MN	19 AG	20 SN	21 AU
161	748783	483W1450W	16	8	3	15	15	3	71	1	9				88	47	18	373			
162	748784	483W1500W	16	8	2	20	15	3	72	1	9				40	35	16	465			
163	748785	483W1550W	16	8	2	15	15	4	71	1	9				14	15	8	276			
164	748786	483W1600W	16	8	2	15	10	4	71	1	9				15	18	15	426			
165	748787	483W1650W	16	8	4	20	20	4	71	1	9				25	27	22	570			
166	748788	483W1700W	16	8	4	20	20	1	13	2	9				43	34	28	685			
167	748789	483W1750W	16	8	1	15	15	3	31	1	9				26	27	32	900			
168	748790	483W1800W	16	3	1	10	15	3	31	1	9				13	11	26	525			
169	748791	483W1850W	16	3	2	15	15	3	12	1	9				14	10	23	447			
170	748792	483W1900W	16	3	2	10	15	3	12	1	9				11	17	16	640			
171	748793	483W1950W	16	8	2	15	15	3	12	1	9				13	17	16	785			
172	748794	483W2000W	16	4	2	15	10	3	71	1	9				12	19	17	590			
173	748795	483W2050W	16	4	4	20	20	3	71	1	9				16	19	23	407			
174	748796	483W2100W	16	4	3	20	15	3	71	1	9				9	8	14	487			
175	761172	484N 000W	16	5	1	15	15	3	72	3	11	1			9	21	26	85			
176	761173	484N 050W	16	6	2	15	5	3	22	1	11				10	9	6	152			
177	761174	484N 100W	16	6	2	15	5	3	22	3	11	1			8	14	10	186			
178	761175	484N 150W	16	8	3	15	5	3	22	3	11				8	7	7	318			
179	761176	484N 200W	16	8	2	15	10	3	22	1	11				17	6	12	196			
180	761177	484N 250W	16	8	2	15	10	3	22	1	11				30	8	24	383			
181	761178	484N 300W	16	8	3	15	5	3	22	3	11				52	10	23	470			
182	761179	484N 350W	16	4	2	15	5	3	22	1	11				22	7	17	305			
183	761180	484N 400W	16	5	4	15	15	3	22	3	11				10	6	8	258			
184	761181	484N 450W	16	6	2	15	10	3	22	1	2				31	11	25	725			
185	761182	484N 500W	16	6	5	15	30	4	23	3	11				97	7	71	268			
186	761183	484N 550W	16	8	5	15	20	4	22	2		1			76	20	54	318			
187	761184	484N 600W	16	2	5	15	30	3	22	1	2				54	28	76	530			
188	761185	484N 650W	16	2	3	15	20	3	21	1	2				32	93	45	750			
189	761186	484N 700W	16	2	1	15	5	3	52	1	2				20	26	28	303			
190	761187	484N 750W	16	6	2	15	0	5	12	1	0				15	16	15	246			
191	761188	484N 800W	16	7	2	15	10	3	32	1	2	1			17	38	47	550			
192	761189	484N 850W	16	7	1	15	10	3	32	1	2	1			20	38	33	303			
193	761190	484N 900W	16	6	1	15	5	3	42	1	2				31	44	36	690			
194	761191	484N 950W	16	5	2	15	5	3	12	1	2				21	37	14	292			
195	761192	484N1000W	16	2	3	15	10	3	12	1	2	1			29	30	20	105			
196	761193	484N1050W	16	6	1	15	0	5	71	1	0	4			14	10	16	184			
197	761194	484N1100W	16	5	1	15	0	5	21	1	0	4			15	11	16	430			
198	761195	484N1150W	16	6	2	15	0	5	11	1	0				9	8	11	203			
199	761196	484N1200W	16	6	1	15	10	3	21	1	0				10	8	16	283			
200	761197	484N1250W	16	8	1	15	0	5	71	1	0	4			9	7	18	100			

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
SAMPLE	CORDINATES	A	D	SL	DH	GR	S	SC	O	RT	SF	X	SNT	PB	ZN	CU	MN	AG	SN	AU
201	761198	484N1300W	16	6	2	15	0	5	10	1	0	4			11	6	14	40			
202	761199	484N1350W	16	6	2	15	0	5	11	1	0				6	6	8	63			
203	761201	484N1000W	16	6	2	15	5	3	31	1	0	2			10	9	15	525			
204	761202	484N1450W	16	6	1	15	0	5	12	1	0	4			8	9	16	365			
205	761203	484N1500W	16	6	1	15	0	5	12	1	0	4			8	8	14	368			
206	761204	484N1550W	16	6	2	15	0	5	12	1	0				6	8	13	220			
207	761205	484N1600W	16	7	2	15	5	3	31	1	2				7	10	23	504			
208	761206	484N1650W	16	7	2	15	5	3	32	1	2				10	11	29	443			
209	761207	484N1700W	16	7	2	15	5	3	32	1	2	21			11	21	22	470			
210	761208	484N1750W	16	8	3	15	5	3	32	1	92	1			10	13	22	615			
211	761209	484N1800W	16	1	4	15	5	3	13	1	2				8	9	12	284			
212	761210	484N1850W	16	1	4	15	5	3	13	1	2				11	7	11	184			
213	761211	484N1900W	16	2	3	15	5	3	12	1	2				13	8	14	107			
214	761212	484N1950W	16	2	3	15	40	3	32	1	2				37	16	35	422			
215	761213	484N2000W	16	7	4	15	5	3	72	1	9	1			13	8	24	153			
216	761214	484N2050W	16	7	5	15	20	3	31	1	9	1			22	11	46	287			
217	761215	484N2100W	16	7	5	15	30	3	31	1	9	1			17	15	43	350			
218	761216	484N2150W	16	8	5	15	20	3	32	1	0				14	14	44	420			
219	761217	484N2200W	16	3	2	15	40	3	32	1	0	4	7		20	14	21	255			
220	761218	484N2250W	16	3	6	15	0	5	12	1	0				11	12	21	157			
221	761219	484N2300W	16	6	2	15	80	3	42	1	0		7		10	10	14	111			
222	761220	484N2350W	16	6	3	15	0	5	12	1	0	4			7	7	7	87			
223	761221	484N2400W	16	6	2	15	0	5	12	1	0	4			6	6	6	115			
224	761222	484N2450W	16	6	2	15	0	5	12	1	0	4			6	7	10	239			
225	761223	484N2500W	16	6	3	15	5	3	21	1	0	4			10	9	22	585			
226	761224	484N2550W	16	6	10	15	30	4	52	1	9				9	7	21	670			
227	761225	484N2600W	16	4	5	15	30	4	31	3	9				9	10	24	409			
228	761226	484N2650W	16	6	10	15	30	4	32	2	9				11	12	24	184			
229	761227	484N2700W	16	6	5	15	20	4	31	2	9				10	12	19	283			
230	761228	484N2750W	16	2	15	15	20	4	32	2	9				13	16	11	620			
231	761229	484N2800W	16	6	15	15	20	3	32	1	9	4			23	16	41	272			
232	761230	484N2850W	16	5	10	15	20	4	22	1	9				14	13	45	106			
233	761231	484N2900W	16	4	15	15	20	4	32	1	9				9	14	365	332			
234	761232	484N2950W	16	0	0	15	60	4	41	4	22	3			15	5	29	85			
235	761233	484N2000W	16	2	35	15	40	2	41	2	22				15	12	55	81			
236	761234	484N3050W	16	8	8	15	40	4	22	1	9				9	13	15	111			
237	761235	484N3100W	16	3	10	15	30	4	32	1	59				5	8	5	175			
238	761236	484N3150W	16	5	5	15	30	4	32	1	9	1			7	17	14	64			
239	761237	484N3200W	16	5	2	15	0	5	71	1	0	4			6	8	7	36			
240	761238	484N3250W	16	5	5	15	20	4	41	2	9				7	23	13	153			

	1 SAMPLE	2 CORDINATES	3 A	4 D	5 SL	6 DH	7 GR	8 S	9 SC	10 O	11 RT	12 SF	13 X	14 SNT	15 PB	16 ZN	17 CU	18 MN	19 AG	20 SN	21 AU
241	761239	484N3300W	16	0	0	15	50	2	32	3	10	3			10	24	18	421			
242	761240	484N3350W	16	3	10	15	40	4	32	1	9				11	32	15	690			
243	761241	484N3400W	16	6	15	15	30	4	32	1	9				9	34	18	193			
244	761242	484N3450W	16	4	5	15	30	2	31	3	9	3			7	19	6	143			
245	761243	484N3500W	16	5	2	15	10	3	31	1	10				12	21	8	349			
246	761244	484N3550W	16	4	4	15	20	2	31	3	10				21	42	35	231			
247	761245	484N3600W	16	2	2	15	20	4	31	15	10				9	19	7	88			
248	761246	484N3650W	16	5	4	15	20	4	31	1	10				8	7	3	158			
249	761247	484N3700W	16	5	5	15	10	4	31	1					10	20	6	186			
250	761248	484N3750W	16	5	3	15	20	4	21	3	10				17	36	12	349			
251	761249	484N3800W	16	4	2	15	30	4	32	1	10				14	28	10	145			
252	761251	484N3850W	16	4	3	15	20	3	72	15	10				16	47	17	274			
253	761252	484N3900W	16	4	2	15	40	3	22	1	10				18	39	22	304			
254	761253	484N3950W	16	6	8	15	40	4	22	1	10				14	19	25	183			
255	761254	484N4000W	16	2	5	15	30	4	32	1	10				12	17	26	493			
256	761255	484N4050W	16	2	5	15	50	4	41	1	10				11	32	31	264			
257	761256	484N4100W	16	4	2	15	0	5	51	1	0	4			10	20	19	333			
258	761257	484N4150W	16	4	2	15	0	5	51	1	0	4									
259	761258	484N4200W	16	4	2	15	30	3	51	1	2	1			10	16	9	82			
260	761259	484N4250W	16	5	2	15	30	3	51	1	2				9	14	7	85			
261	761260	484N4300W	16	6	1	15	0	5	51	1	0				8	12	5	81			
262	761261	484N4350W	16	6	1	15	5	3	51	1		1			8	14	4	72			
263	761262	484N4400W	16	6	1	15	40	3	51	1	5				7	11	14	70			
264	761264	484N4500W	16	2	3	15	50	2	52	3	1				10	28	21	179			
265	761265	484N4550W	16	8	4	15	50	4	52	1	9				11	24	16	138			
266	761266	484N4800W	16	8	5	15	50	4	52	1	9				9	20	9	57			
267	761267	484N4650W	16	8	3	15	30	4	31	3	59				7	18	6	141			
268	761268	484N4700W	16	8	3	15	40	4	31	3	59				8	8	3	131			
269	761269	484N4750W	16	6	2	15	20	3	31	3	59				14	20	6	178			
270	761270	484N4800W	16	6	2	15	5	3	31	1	59				13	18	5	165			
271	761271	484N4850W	16	5	3	15	20	2	31	3	59				18	28	8	258			
272	761272	484N4900W	16	2	2	15	10	3	32	1	2				12	10	4	90			
273	761273	484N4900W	16	7	4	15	30	3	32	1	2				12	14	12	94			
274	761274	484N5000W	16	2	5	15	30	4	32	3	2		3		21	25	12	252			
275	761275	484N5050W	16	0	0	15	0	5	11	1	0		3		11	11	6	60			
276	761276	484N5100W	16	0	0	15	0	5	72	1	0				11	10	5	77			
277	761277	484N5150W	16	0	0	15	0	5	31	1	0				10	8	4	77			
278	761278	484N5200W	16	0	0	15	0	5	71	1	0				7	8	3	50			
279	761279	484N5250W	16	0	0	15	0	5	71	1	0				11	10	3	95			
280	761280	484N5300W	16	0	0	15	0	5	11	1	0				7	8	3	69			

	1 SAMPLE	2 CORDINATES	3 A	4 D	5 SL	6 DH	7 GR	8 S	9 SC	10 O	11 RT	12 SF	13 X	14 SNT	15 PB	16 ZN	17 CU	18 MN	19 AG	20 SN	21 AU
321	761294	486N 500E	16	6	1	15	3	5	71	1					8	8	13	123			
322	761295	486N 550E	16	6	1	15	5	5	71	1					11	8	7	117			
323	761296	486N 600E	16	6	1	15	10	3	73	1	2				13	12	7	202			
324	761297	486N 650E	16	6	3	15	20	3	32	1	3				14	27	10	575			
325	761298	486N 700E	16	2	1	15	3	5	11	1					31	26	20	341			
326	761299	486N 750E	16	1	2	15	15	3	31	1	2				22	19	13	660			
327	761099	486N 800E	16	1	1	15	15	3	72	1	3				26	11	9	416			
328	761098	486N 850E	16	7	1	15	13	5	11	1					20	8	7	177			
329	761097	486N 900E	16	7	1	15	3	5	11	1					23	6	6	93			
330	748825	486N 50W	16	8	5	20	20	4	41	1	9				22	33	46	852			
331	748826	486N 100W	16	8	4	20	30	4	73	1	9				16	14	42	248			
332	748827	486N 150W	16	6	2	20	20	1	72	1	10	5			35	10	81	126			
333	748828	486N 200W	16	3	2	20	20	4	73	1	10				24	13	50	177			
334	748829	486N 250W	16	3	1	15	5	5	71	1					43	30	46	448			
335	748830	486N 300W	16	6	3	15	20	4	21	1	10		1		10	7	44	135			
336	748831	486N 350W	16	3	3	20	20	4	71	1	9	2			17	18	50	295			
337	748832	486N 400W	16	3	4	15	20	4	72	1	9	4			22	25	26	427			
338	748833	486N 450W	16	6	2	20	25	4	13	1	9				12	10	42	183			
339	748834	486N 500W	16	6	4	20	25	4	22	1	9				10	16	47	261			
340	748835	486N 550W	16	6	5	20	25	4	22	1	9				11	16	45	325			
341	748836	486N 600W	16	6	10	20	25	4	13	1	9										
342	748837	486N 650W	16	6	20	20	25	4	71	1	9										
343	748838	486N 700W	16	6	35	20	25	4	71	1	9										

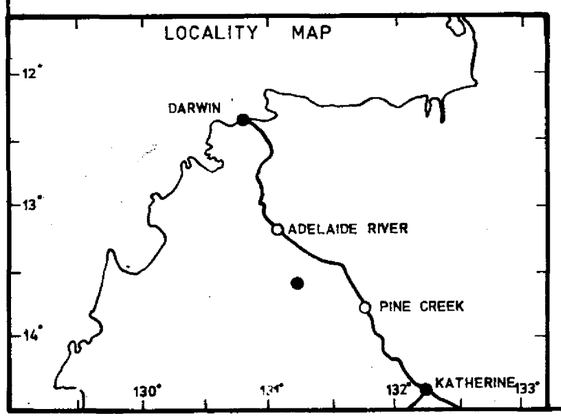
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
	SAMPLE	CORDINATES	A	D	SI	DH	GR	S	SC	O	RT	SF	X	SNT	PB	ZN	CU	MN	AG	SN	AU
281	761281	484N5350W	16	0	0	15	0	5	11	1	0				6	8	3	123			
282	761282	484N5000W	16	0	0	15	0	5	31	1	0				6	10	4	162			
283	761283	484N5450W	16	0	0	15	0	5	31	1	0				12	21	10	255			
284	761284	484N5500W	16	0	0	15	0	5	31	1	0				8	11	3	165			
285	748797	485N 000N	16	8	5	20	15	4	41	1	9				33	51	37	1150			
286	748798	485N 050N	16	8	6	20	20	4	23	1	9				34	38	31	532			
287	748799	485N 100N	16	8	4	20	25	4	22	1	9				38	44	29	296			
288	748801	485N 150N	16	4	10	15	20	4	23	3	10				100	20	67	242			
289	748802	485N 200N	16	4	5	15	15	4	21	1	10				53	18	68	442			
290	748803	485N 250N	16	4	3	15	20	4	13	1	9				36	12	51	286			
291	748804	485N 300N	16	4	2	20	5	5	71	1					40	35	46	925			
292	748805	485N 350N	16	8	2	20	5	8	71	1	9				28	32	25	288			
293	748806	485N 400N	16	8	1	20	20	3	12	1	9				14	11	14	88			
294	748807	485N 450N	16	4	2	15	20	3	11	1	9				11	6	8	18			
295	748808	485N 500N	16	4	1	20	5	5	11	1					10	6	8	14			
296	748809	485N 550N	16	4	1	20	5	5	51	1					14	15	32	290			
297	748810	485N 600N	16	4	1	20	5	5	12	1					26	9	29	222			
298	748811	485N 650N	16	8	3	20	20	4	73	1	9				32	10	40	540			
299	748812	485N 700N	16	8	1	20	5	5	71	1					29	12	16	93			
300	748813	485N 750N	16	8	1	20	5	5	11	1					34	6	8	49			
301	748814	485N 800N	16	8	2	15	5	5	11	1					26	6	8	45			
302	748815	485N 850N	16	4	1	15	5	5	11	1					23	5	6	78			
303	748816	485N 906N	16	4	1	20	5	5	11	1					18	5	8	34			
304	748817	485N 950N	16	4	1	15	5	5	11	1					11	5	10	52			
305	748818	485N1006N	16	8	1	20	5	5	11	1					12	6	14	19			
306	748819	485N1050N	16	8	1	20	5	5	11	1					9	10	21	50			
307	748820	485N1100N	16	8	1	20	3	5	11	1					5	9	11	23			
308	748821	485N1150N	16	8	1	20	3	5	11	1					10	13	20	81			
309	748822	485N1200N	16	8	1	20	15	4	71	2	9				10	12	24	174			
310	748823	485N1250N	16	8	1	20	25	4	71	1	9				12	19	43	182			
311	748824	485N 300N	16	8	1	20	25	4	71	1	9				14	23	24	84			
312	761285	486N 050E	16	2	4	15	20	3	32	3	9				25	54	22	522			
313	761286	486N 100E	16	6	6	15	20	3	62	4	3				98	24	104	318			
314	761287	486N 150E	16	6	3	15	15	3	52	1	3				35	22	45	414			
315	761288	486N 200E	16	6	3	15	15	3	42	1	3				37	31	70	905			
316	761289	486N 250E	16	6	1	15	15	3	52	1	2				22	15	35	488			
317	761290	486N 300E	16	6	1	15	15	3	51	1	2				17	16	22	256			
318	761291	486N 350E	16	6	1	15	15	3	72	1	2				15	13	16	293			
319	761292	486N 400E	16	6	1	15	3	5	71	1					12	9	16	130			
320	761293	486N 450E	16	6	1	15	3	5	11	1					12	8	13	185			



Six digit Sample numbers : The last 3 digits are indicated at each sample site; The first 3 digits are indicated period-ically along the line.

NOTE :
THIS MAP FALLS WITHIN THE TIPPERARY 1:100 000 NATIONAL MAPPING SHEET / SHEETS.

LOCALITY MAP



TRAVERSE DETAILS

LINE DATUM POINT - STAR PICKET IN POSITION.

SOIL SAMPLE SITE.

COLOUR CODE FOR GEOCHEMICAL DATA

COLOUR DERWENT REF		PERCENTILE DIVISION	INTERVALS IN PPM		
			Pb	Zn	Cu
45		0 - 16	0 - 12	0 - 8	0 - 10
38		16 - 50	13 - 20	9 - 18	11 - 22
27		50 - 86	21 - 40	19 - 60	23 - 54
25		86 - 93	41 - 60	61 - 100	55 - 75
15		93 - 97·5	61 - 120	101 - 200	76 - 110
9		97·5 - 100	>120	> 200	> 110

GEOLOGICAL INDEX

GEOLOGICAL BOUNDARY
UNCONFORMITY
FAULT
BEDDING PLANE TRACE

Pu-K	Cover Rocks - Carpentarian - Cretaceous
Plg	Pine Creek Granites
Plo	Zamu Complex Dolerites
Plfb	Burrell Creek Formation
Plfm	Mary River Beds
Pldd	Douglas Creek Formation
Pldk	Koolpin Formation
Plmg	George Creek Formation
Plmc	Maude Creek Formation
Plmm	Mount Masson Grit
Plmn	Namoona Formation
Plmh	Halfway Peak Formation

SCALE 1 : 25000

0 1 2 3 Kilometres

C.R.A. EXPLORATION PTY. LIMITED

SOIL GEOCHEMICAL MAP
BEACON HILL ELA 1733
PINE CREEK BASIN, N.T.

Reference PINE CREEK SD 52-8		
Geologist JI	Scale 1 25,000	Report No.
Drawn SPS, FMC	Date JAN. 1979	Plan No. NTd 973

CR 79/82