URANERZ AUSTRALIA PTY. LTD.

KST:YTS

30 June 1981

ANNUAL REPORT

ON

EXPLORATION LICENCE 1298

RUM JUNGLE AREA, NORTHERN TERRITORY

Covering the Period

3 May 1980 to 2 May 1981

PERTH

JUNE 1981

SUMMARY:

EL 1298 is one of a group of tenements worked by the UAL/MINAD Joint Venture over the Rum Jungle Complex.

Exploration techniques used during the fourth year of tenure included geological mapping; ground scintillometry, magnetometer and SIROTEM surveys; rotary airblast and percussion/diamond drilling.

Diamond drill profiles were drilled either side of the Kylie Prospect but failed to intersect any mineralization. Down dip extension of the mineralization was encountered, however, at a vertical depth of 270 m on one of the 1979 profiles. A new anomalous zone, the Riverside Anomaly, was discovered at the end of the season; assessment of other anomalies continued throughout the year. Work is continuing for a fifth year of tenure.

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1. INTRODUCTION:

EL 1298 is in a group of four contiguous licences granted to Mines Administration Pty. Ltd. (MINAD) on 3 May, 1977. The original area held was 107.94 square miles (279.45 km^2) but had been reduced to 27.01 square miles (69.97 km^2) for the fourth year of tenure.

In December 1977, MINAD signed a joint venture agreement with Uranerz Australia Pty. Ltd. (UAL) with UAL as operator.

The tenements are worked from a field camp at Camp Creek and a regional office at Winnellie, Northern Territory.

A renewal application has been submitted for the fifth year of tenure.

2. LOCATION:

EL 1298 is situated about 16 km southwest of the Rum Jungle railway siding which is 75 km south of Darwin.

The tenement is covered by the PINE CREEK 1:250,000 sheet SD 52-8 and is centered on 13°11'S latitude and 130°55'E longitude.

3. GEOLOGY:

The Rum Jungle area lies in the western part of the Pine Creek Geosyncline. The oldest rocks in the area are considered to be Archaean basement inliers of the Rum Jungle and Waterhouse Complexes. These are unconformably overlain by the Lower Proterozoic Batchelor Group consisting of four formations: Beestons Formation, Celia Dolomite, Crater Formation

and the Coomalie Dolomite. The overlying unit, the Namoona Group is represented by the Masson Formation which is composed mainly of carbonaceous sediments, and hosts known uranium and base metal mineralization.

The sediments generally have a regional north-trending strike but those surrounding the Rum Jungle and Waterhouse Complexes strike concentrically with dips varying from 40 - 65° with a synclinal development between the complexes. The granites and surrounding sediments are interpreted as warped domal structures.

An important structural feature is the Giants Reef Fault. It laterally displaces a wedge-shaped mass of Lower Proterozoic sediments containing part of the intergranite syncline, which now embays the western margin of the Rum Jungle Complex.

The exploration program is focused on veinlike-type uranium deposits and economic concentrations of base metals.

4. INVESTIGATION:

4.1 Gridding:

Extensions were made to the grid in areas where detailed geological mapping, drilling, and geophysical surveys were planned. A total of 96 line-km of gridding was established, of which 13.9 km was theodolite-controlled base line.

4.2 Geological Mapping:

Regional traversing was carried out over the whole of the tenement. Additional detailed mapping was required to resolve the ill defined Coomalie Dolomite - Masson Formation contact. It was found expedient to refer to these units collectively as the 'prospective sequence'. Their relationship to the overlying Upper Proterozoic Tolmer Group was also investigated.

Detailed examination of the Kylie area was initiated to tie in the surface outcrops with the very complicated subsurface geology seen in drill sections.

Pattern RAB drilling was used as a major mapping tool. A success rate of 90% was achieved in reaching identifiable bedrock. With the exception of a few outcrops, all mapping of carbonaceous and chloritic pelites within the 'prospective sequence' is based on RAB drilling.

Trenching was carried out at Spring Creek and Southeast Kylie, principally to obtain geological information.

In addition, airphotos were used to map major faults and lineaments which are difficult to locate by surface mapping.

4.3 Surface Scintillometry:

Footborne scintillometry at 25 m stations along grid lines was used in eastern EL 1298 to complete work not finished in 1979 for a total of 42 line-km. This technique is valuable in delineating both broad anomalies and hidden geological contacts between units with contrasting radiometric backgrounds. However, the regimented nature of the technique renders it highly unsuitable for locating zones of spot anomalies. The South Kylie and original Riverside anomalies were both spot anomalies located during regional mapping. As a result, scintillometer prospecting was initiated over portions of the 'prospective sequence'. Outcrop areas were covered, using traverse spacings of 1 - 2 m (Riverside Anomalous Zone). This close spacing was considered necessary because anomalies were often as small as 1 m^2. Areas between outcrops were covered using a broad zigzag pattern.

4.4 Ground Magnetometer Surveys:

Ground magnetometer surveys were completed at Kylie Prospect, Spring Creek and Western Depot Creek areas, to test the feasibility of using

this technique to delineate structural and geological trends and, by calculating the depth of magnetic bodies below the sandstone, use it as an economic method of estimating the thickness of the Depot Creek Formation.

A proton precession magnetometer was used with a station interval of 5 m and a sensor height of 4 m to minimize biasing caused by near-surface sources. Corrections were made for diurnal variation using a continuous reading base station.

AREA	LINE-KM	LINE SPACING
Kylie	28.3	50 m
Spring Creek	37.2	100 m
Western Depot Creek	5.5	200 m

4.5 Ground Electromagnetic Surveys:

Early workers in the Rum Jungle area achieved some success using electromagnetic surveys to delineate graphitic slates. Surveys were carried out at Kylie Prospect, Spring Creek and Western Depot Creek using the SIROTEM time domain system. The purpose of the survey was to test whether the less conductive, generally carbonaceous rather than graphitic meta-pelites present in the project area could be differentiated and, more importantly, if they could be traced under the overlying Depot Creek Formation. Additionally, it was anticipated that major structural features, such as those providing the apparent ore control at Kylie, would be discernible. Survey work was contracted to Geoex Pty. Limited of Adelaide.

AREA	LINE-KM	LINE SPACING	LOOP SIZE (coincident loop)
Kylie	7.6	* 80 m	50 m
Spring Creek	15.6	200 m	100 m
Western Depot Ck.	1.0	ran 1 line	200 m

* Survey conducted along diamond drill profiles.

4.6 Trenching:

Trenching was carried out in areas of near-surface bedrock to test surface and RAB radiometric anomalies and to provide geological information.

The trench depth averaged 2.5 m in good ground, but less in areas of strongly developed laterite. All trenching was completed under contract by J. Nickels of Adelaide River.

AREA	NUMBER OF TRENCHES	TOTAL LENGTH
Southeast Kylie	3	198 m
South Kylie	4	152 m
Spring Creek	3	138 m
Riverside	1	28 m
TOTAL	11	516 m

The trenches were mapped in detail, sampled as required, and back-filled prior to the onset of the wet season rains in November.

4.7 Rotary Airblast Drilling:

The shallow overburden drilling program, initiated in 1978, continued to be the major regional exploration tool providing geological, geochemical and downhole radiometric data. The airblast drilling statistics are summarized as follows:

ANOMALOUS AREA	NUMBER OF HOLES DRILLED	METREAGE DRILLED (m)	AVERAGE DEPTH (m)
Anomaly 62	62	1,429	23.00
Kylie Extensions	153	3,159	20.60
EL 1298 Regional	25	497	19.90
Spring Creek	95	1,577	16.60
Anomaly 8	197	3,694	18.70
Riverside Anomaly	6	78	13.00
TOTAL	538	10,434	19.39

The original Mole Pioneer rig was extensively modified by the contractor, Stanley Hall of Perth. The major imporvement was a 60% increase in compressor rating. This, coupled with the use of water injection, resulted in the number of holes reaching identifiable bedrock increasing from 50 - 60% in 1979, to 90% in 1980. Hole failures were due to excessive overburden (in excess of the 60 m of rods routinely carried), impenetrable silica caps over dolomite, and drillhole wall caving.

All holes were probed radiometrically as soon as possible after completion using a Mt. Sopris 1000C logger. The overall ratio of depth probed vs. total depth was 82.6%.

4.8 Percussion Drilling:

Initially percussion drilling was intended to make up 48% of the planned project percussion/diamond metreage; being proposed to pre-collar diamond holes at Kylie Prospect, and perform initial testing of Anomaly 8, Spring Creek, Eastern EL 1295 and the western Depot Creek area. The percussion technique relies on stable, uncased holes. Unconsolidated sand at Western Depot Creek, and constant caving of clay and colluvium in inclined Kylie pre-collar holes necessitated a cutback in regional percussion work, and additional allocation of funds to the diamond work at Kylie. The final ratio of percussion to total metreage was 27%. Drilling was performed using both a Schramm 685 and Foxmobile rig. The percussion drillhole statistics are summarized as follows:

LOCATION	HOLE NO.	CO-ORDINATES	DEPTH (m)	REMARKS
Kylie NW Extension	PDH 80/01	337.85 N/271.58 E	113	
	PDH 80/02	336.50 N/273.00 E	118	
	PDH 80/03	335.50 N/272.00 E	70	
Kylie Proper	Ky(P) 80/01	330.94 N/277.46 E	32	abandoned
	Ky(P) 80/02	329.90 N/276.19 E	18	abandoned
Western Depot Creek Area	PDH 80/05	419.98 N/235.96 E	96	
	PDH 80/06	420.00 N/228.96 E	36	abandoned
	PDH 80/07	419.97 N/228.42 E	31	abandoned
	PDH 80/08	419.19 N/228.43 E	77	abandoned
			591	

4.9 Diamond Drilling:

Diamond drilling was confined to Kylie Prospect with the exception of one hole at Western Depot Creek. Wherever possible, all coring was NQ. Reduction to BQ was necessary in the lower portions of some holes. A Fox - mobile rig was used for all coring work. Considerable problems were encountered in the generally poor ground in the Kylie area. These included jamming of rods in fault zones, and caving of drillhole walls. Various drill additives appeared to have little success in stabilizing the holes. Radiometric probing using a Mt. Sopris 2500 logger was performed through the drill rods prior to each bit change. All holes were routinely surveyed using an Eastman single-shot camera.

HOLE NO.	CO-ORDINATES	PRE-COLLAR DEPTH (m)	TOTAL DEPTH (m)	REMARKS
Ky 80/03	330.42N/276.86E	20.30	68.40	abandoned
" 04	330.35N/276.76E	35.50	241.30	
" 05	330.40N/274.27E	41.70	399.50	
" 06	334.26N/272.73E	47.00	141.40	abandoned
" 07	329.91N/276.21E	23.70	301.60	
" 08	331.03N/277.54E	33.00	178.00	
" 09	334.48N/272.98E	53.00	251.90	
" 10	335.26N/273.88E	64.70	246.00	
WD 80/04	420.00N/232.92E	167.00	280.30	vertical hole

All holes except WD 80/04 inclined at 60° towards 050° Mag.

5. RESULTS:

Evaluation of known anomalies was hampered by the need to assess thoroughly ground due to be surrendered under the statutory halving requirements upon renewal. It was during this work that a number of spot anomalies within the 'prospective sequence' was discovered and named the Riverside Anomaly.

5.1 Western Depot Creek:

Exploration took place to test the thickness of the Depot Creek Sandstone cover and to establish if it was in fact underlain by 'prospective sequence' lithologies with only a thin capping of sandstone.

A fence of three percussion holes was drilled on line 420N, although only two holes (PDH 80/04 & 05) reached the target. The drilling established however, that the sandstone cover was much thicker than postulated.

A magnetometer survey and a SIROTEM survey were run along the drill profile but failed to delineate any recognizable basement structure (Fig. 2).

5.2 Riverside Anomalous Zone:

This zone stretches approximately 6 km from Anomaly 20 to Spring Creek and consists of a number of radiometric anomalies from 3 - 250 x bg (max. 12,500 cps) in places associated with secondary uranium minerals and confined to a distinct lithological unit.

Six RAB holes were drilled near the original Riverside Anomaly (250E/369N). One hole returned 150 ppm U_3O_8 and 250 ppm Cu but the remainder were barren.

A trench was dug in the same area but no anomalous radiometric values were recorded (Fig. 3).

A ground magnetometer and a SIROTEM survey were carried out covering the southern half of the zone (Figs. 4 & 5).

5.3 Spring Creek:

Fill-in RAB drilling was carried out and a further three trenches excavated. No downhole radiometric anomalies were recorded, however, additional anomalous uranium and base metal values were obtained from bottom-hole analyses.

5.4 South Kylie:

The South Kylie Anomaly was located during the 1980 regional mapping program. It consists of a 10 x 20 m surface scintillometer anomaly of 100 cps over gossanous silicified dolomite and laterite with one spot anomaly of 2,000 cps. Three trenches were dug and the mineralization was found to be associated with a 5 m wide dolomitic interbed within carbonaceous shales (Fig. 6). A 300 m gap in airblast coverage west of the anomaly will be tested this season.

5.5 Southeast Kylie:

This area includes the base metal anomaly known as Anomaly 8, plus the grouping of surface radiometric anomalies and RAB geochemical anomalies occuring up to 1 km to the east. This zone was further tested by geological mapping, trenching and RAB drilling (Fig. 7).

5.6 Anomaly 62:

This anomaly was originally defined by one anomalous (32 ppm U_3O_8) auger hole at 310E/330N. A minimal program of RAB drilling and mapping was carried out to evaluate the anomalous zone, but the results were generally low except for one anomalous value (50 ppm U_3O_8) 100 m to the east.

5.7 Kylie:

Mapping and detailed diamond drilling within the Kylie area has revealed considerable structural and lithological complexity, the details of which are not yet fully understood. The main tectonic framework for the

uranium mineralization is governed by the dominant north-northwest to northwest fault system, and the reverse fault system of the graben-like structure controlling the Depot Creek Sandstone ridge.

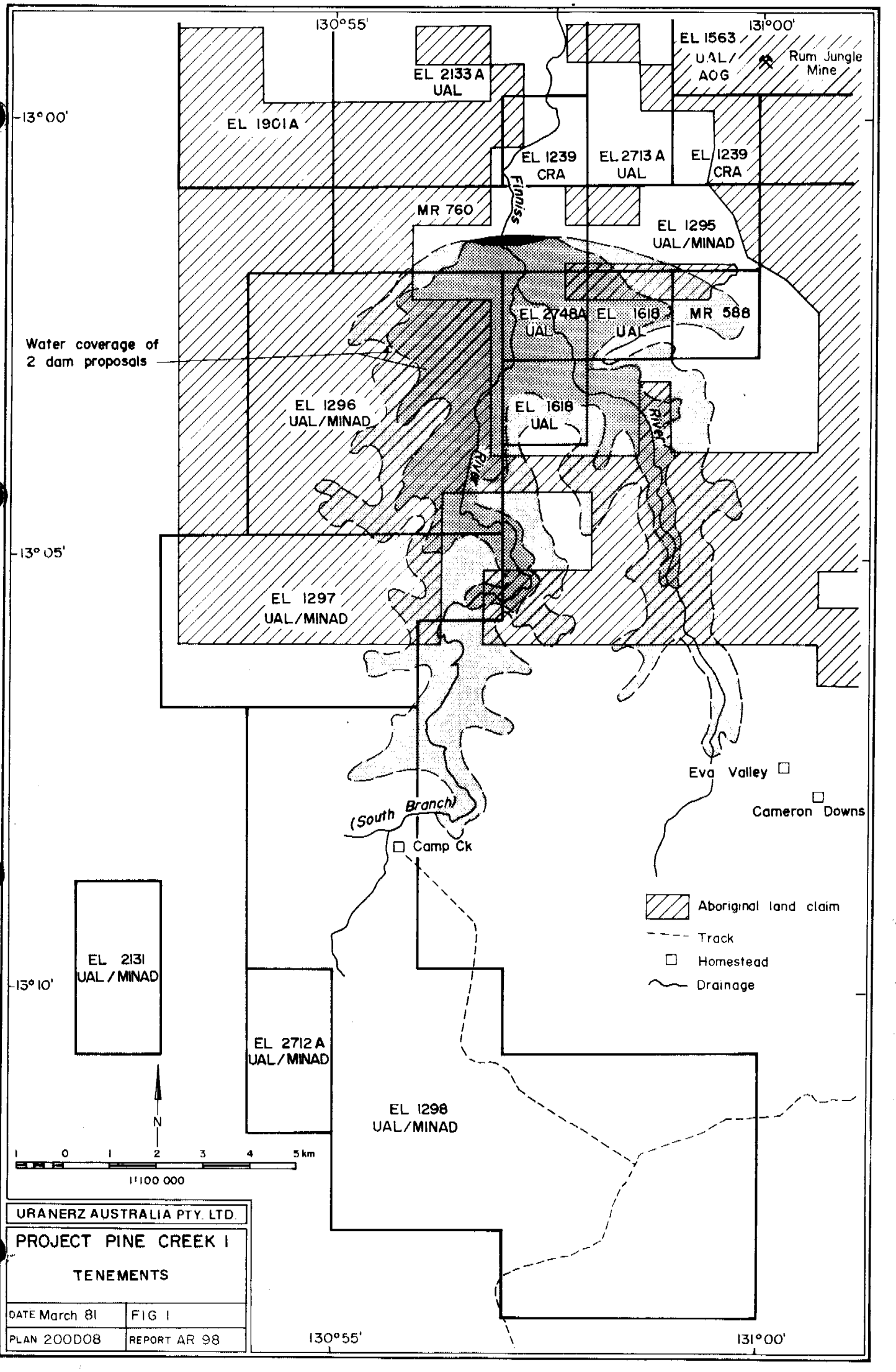
Two profiles of combined angle-percussion/diamond drilling were completed during the 1980 season in the Kylie area in an attempt to evaluate the potential for lateral extensions of the mineralization. These sections are situated 160 m southeast and northwest of the Kylie Proper area. On the southeastern line (+320 m section), six holes were drilled. From the northernmost, these are KY 80/08, KY 80/01 (percussion only: abandoned); KY 80/03 (abandoned); KY 80/04, KY 80/07 and KY 80/02 (percussion only: abandoned). On the northeastern line (-240 m section), three holes were drilled. These are KY 80/10, KY 80/09 and KY 80/06 (abandoned). The details are to be found in the tables in para 4.9.

To evaluate the potential for down-dip extensions of the mineralization, one hole was drilled on the +160 m section. This hole (KY 80/05), situated 120 m southwest of KY 79/15, confirmed that the mineralization continues at depth. Pitchblende mineralization has been intersected at a vertical depth of 270 m. The two flanking profiles (+320 m section and -240 m section) did not intersect further mineralization (Figs. 6 & 11).

The extreme complexity of the tectonics and lithologies, and their intimate association with the mineralization, necessitated re-logging of the 1978 - 1979 percussion chips and diamond core to ensure continuity with the 1980 results. The cross sections in Figures 6 - 11 are the results of this work.

Three percussion holes (PDH 80/01, 80/02, 80/03) were drilled through the Depot Creek Formation in the northwestern extension of Kylie to try to resolve the stratigraphic problems occuring between the Depot Creek Sandstone ridge and the Crater Formation. Here two blocks of Depot Creek Formation are downfaulted and separated by upfaulted dolomites. No increased radioactivity was noted.

A proton magnetometer survey with sensor height of 5 m and a SIROTEM survey were run over Kylie during the year. Results are shown on Maps 4 and 5.


130°55'
131°00'
13°00'
13°05'
13°10'
EL 2133 A
UAL
EL 1563
UAL/
AOG
Rum Jungle
Mine
EL 1901A
EL 1239
CRA
EL 2713 A
UAL
EL 1239
CRA
Finniss
MR 760
EL 1295
UAL/MINAD
EL 2748A
UAL
EL 1618
UAL
MR 588
Water coverage of
2 dam proposals
EL 1296
UAL/MINAD
EL 1618
UAL
River
EL 1297
UAL/MINAD
Eva Valley
Cameron Downs
(South Branch)
Camp Ck
Aboriginal land claim
Track
Homestead
Drainage
EL 2131
UAL/MINAD
EL 2712 A
UAL/MINAD
EL 1298
UAL/MINAD
N
1 0 1 2 3 4 5km
1:100 000
URANERZ AUSTRALIA PTY. LTD.
PROJECT PINE CREEK 1
TENEMENTS
DATE March 81
FIG 1
PLAN 200D08
REPORT AR 98

230E

240E

A

PDH 80 08

77m

WD 80 04

280m

PDH 80 05

96m

A,

N

?

?

Fault(?)

Fault(?)

Fault (?)

+500
+400
+300
+200
+100
-100
-200
-300
-400
-500

Corrected magnetic residuals, in gammas

Depot Creek sandstone

Hematite quartz breccia

Sericite schist

?

Prospective sequence magnesitic dolomite, with chloritic interbeds

Crater Fm.

Granitic gneiss of Waterhouse Complex

Quartz vein

Fault

Mag readings every 5m, using sensor 4m AGL.

V/H=1:1

50 0 100 200 300 400 500 m

scale is 1:5000, vert & horiz

230E

240E

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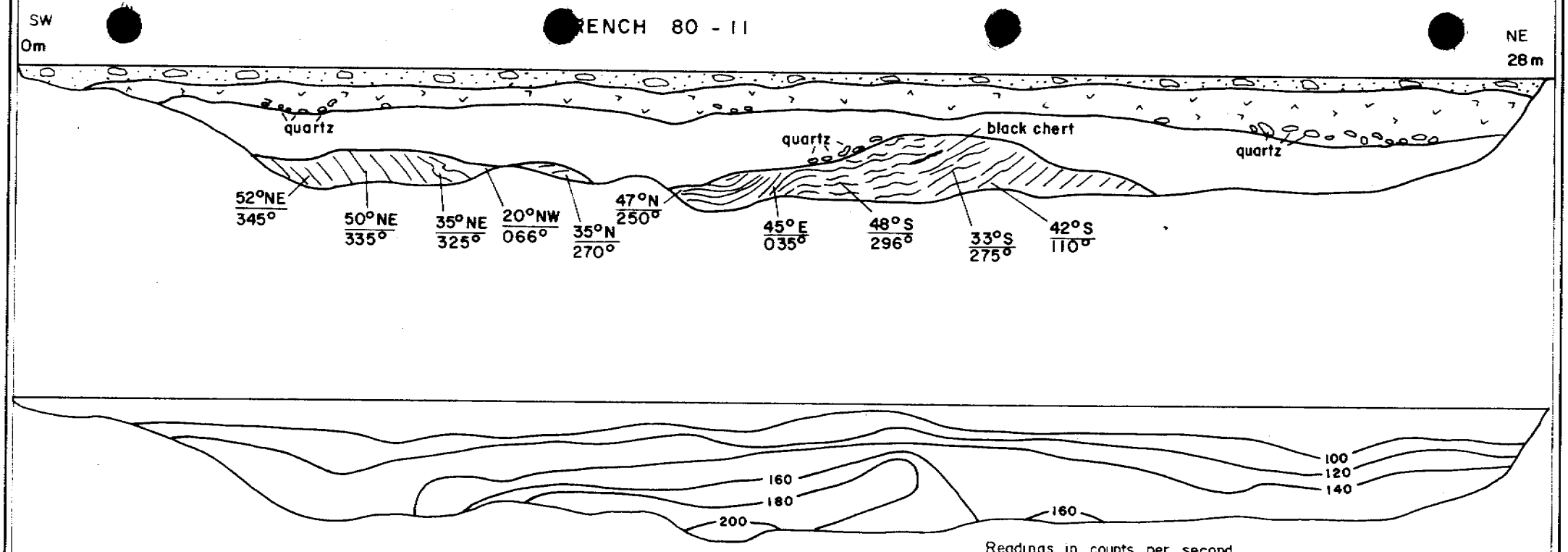
PROJECT PINE CREEK 1
WESTERN DEPOT CREEK AREA
LINE 420 NORTH

POSTULATED GEOLOGICAL SECTION
EL 1298

DATE DRAWN MAR 81	MAP No. FIG 2
PLAN No. 200A59	REPORT No. AR 98

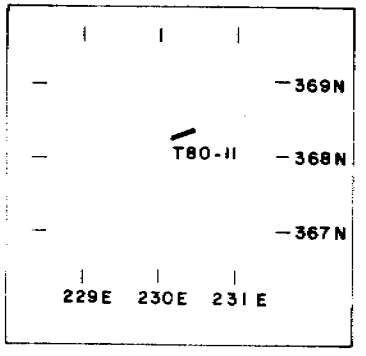


Brown soil with abundant fragments to 25 cm of sandy quartzite

Orange - red clay with small angular fragments of hematitic sericite schist + minor quartz.

Pisolithic layer - orange - brown clay with abundant fragments of hematite schist, hematite, quartz and quartzite.

Mixture of grey, silver grey, very fine to fine grained quartz sericite schist, grey to dark grey clay, orange clay with white spots + minor chert, apparent foliation is observed on wall of trench.



LOCATION DIAGRAM

For surface geological plan refer to Map 2B

Scale 1 : 100

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RIVERSIDE ANOMALOUS ZONE

TRENCH SECTION

DATE MARCH 81 | FIGURE 3

PLAN 200A54 | REPORT AR 98

230E
240E
250E
370N
360N
350N
340N
RIVERSIDE ZONE
ZONE 3
EL 1298
Mt Mabel
A
B
Boundary of Spring Creek geophysical grid
N
ZONE 1
Sirotem lineament
ZONE 2
FAULT ZONE ?
230
225
220
215
210
205
200
80-10
80-09
SC-1
Q
b

Zone boundary

Probable zone boundary

Fault

Vertical Scale 1cm = 150nT

See Map 2b for Geological Legend

100 0 100 200 300 400 500m

1:10000

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PROJECT PINE CREEK I

SPRING CREEK

GROUND MAGNETICS

UNFILTERED DATA

DATE DRAWN MAR 81	MAP No FIG 4
PLAN No 200B38	REPORT No AR 98

230E
240E
250E
370N
360N
350N
340N
230
225
220
215
210
205
200
RIVERSIDE ZONE
EL 1298
80-11
80-10
SC-1
80-09
Mt Mabel
NO DATA
NOISY DATA
Boundary of Spring Creek geophysical grid
Sirotem lineament
N
—1·5— Sirotem contour in μV/A (Contour interval logarithmic)
Probable conductor axis
Possible conductor axis
See Map 2b for Geological Legend
100 0 100 200 300 400 500 m
1 : 10 000

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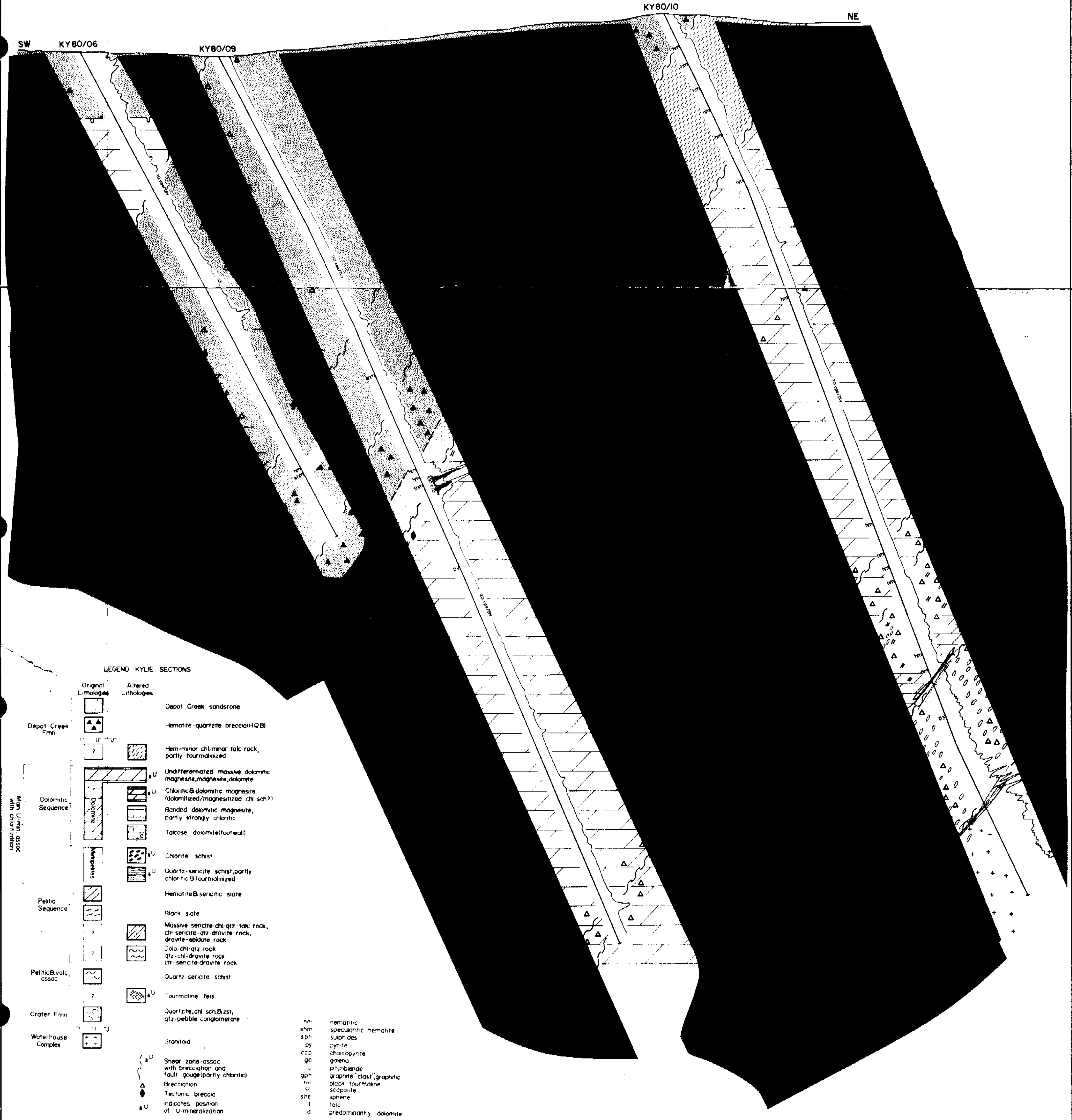
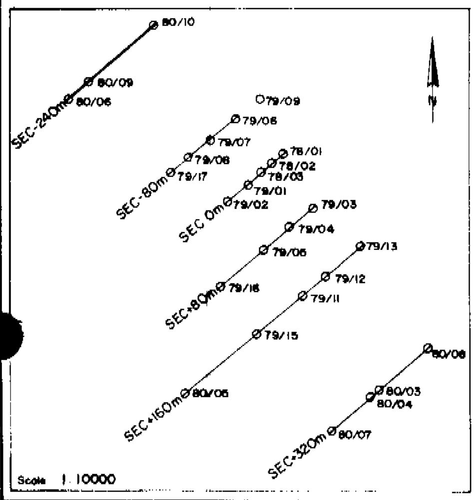
PROJECT PINE CREEK I
SPRING CREEK

SIROTEM SURVEY
CONTOURS OF CHANNEL 6

DATE DRAWN	MAR 81	MAP No.	FIG 5
PLAN No.	200 B 34	REPORT No.	AR98



SW
KY80/06
KY80/09
KY80/10
NE
10 cps/div
20 cps/div
hm
shm
py
LEGEND KYLIE SECTIONS
Original Lithologies
Altered Lithologies
Depot Creek Fmn
Depot Creek sandstone
Hematite-quartzite breccia(HQB)
Hem-minor chl-minor talc rock, partly tourmalinized
Dolomitic Sequence
Dolomite
Main U-min. assoc with chloritization
Undifferentiated massive dolomitic magnesite,magnesite,dolomite
Chloritic & dolomitic magnesite (dolomitized/magnesitized chl sch?)
Banded dolomitic magnesite, partly strongly chloritic
Talcose dolomite(footwall)
Metapelites
Chlorite schist
Quartz-sericite schist,partly chloritic & tourmalinized
Pelitic Sequence
Hematite & sericitic slate
Black slate
Massive sericite-chl-qtz-talc rock, chl-sericite-qtz-dravite rock, dravite-epidote rock
Dola-chl-qtz rock qtz-chl-dravite rock chl-sericite-dravite rock
Pelitic & volc. assoc
Quartz-sericite schist
Tourmaline fels
Crater Fmn
Quartzite,chl. sch.& zst, qtz-pebble conglomerate
Waterhouse Complex
Granitoid
Shear zone-assoc with brecciation and fault gouge(partly chloritic)
Brecciation
Tectonic breccia
indicates position of U-mineralization
hm hematitic
shm specularitic hematite
sph sulphides
py pyrite
ccp chalcopyrite
ga galena
U pitchblende
gph graphite "clast",graphitic
tm black tourmaline
sc scapolite
she sphene
t talc
d predominantly dolomite



10 0 10 20 30 40 50

1:1000

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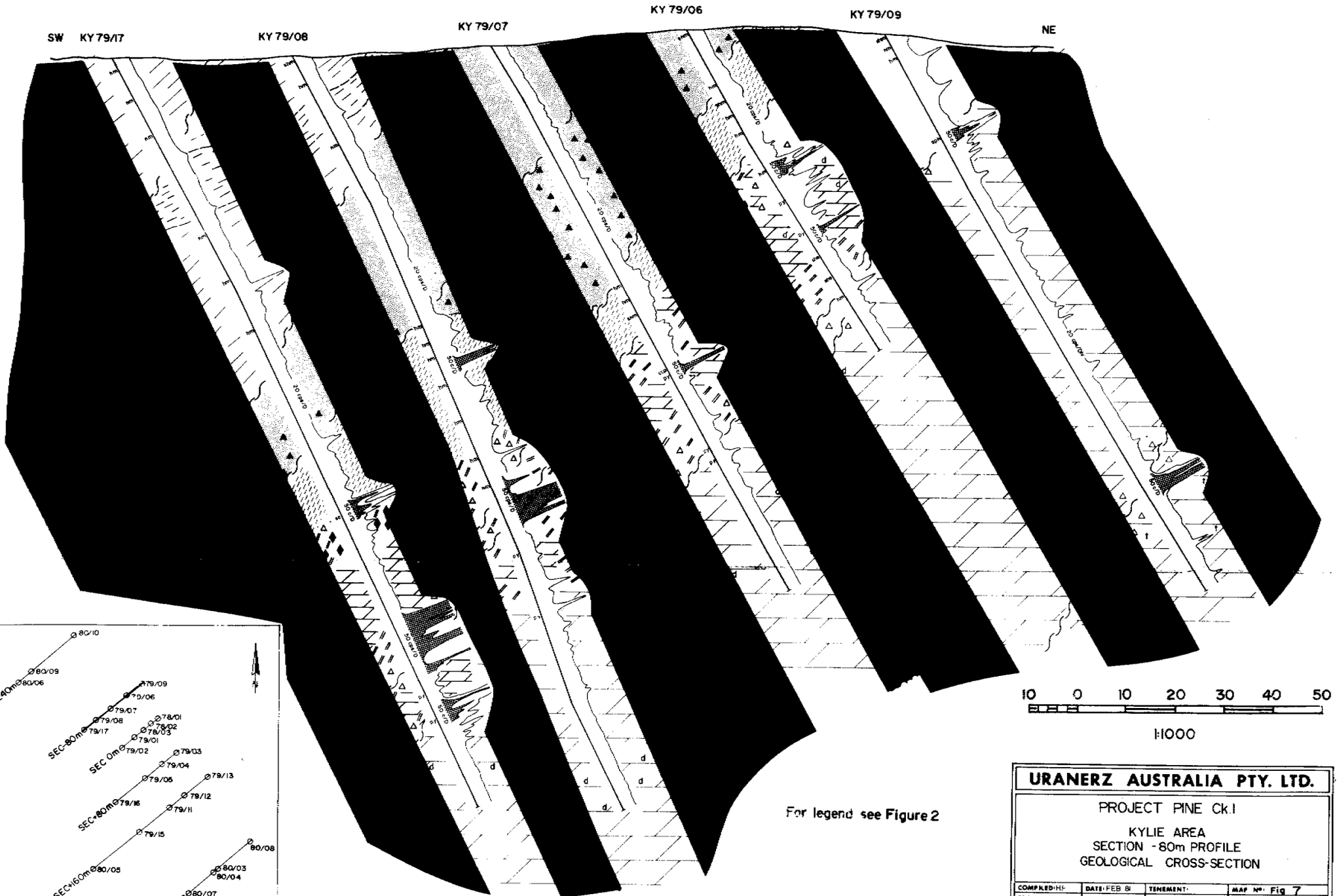
PROJECT PINE CREEK I

KYLIE AREA

SECTION -240m PROFILE

GEOLOGICAL CROSS SECTION

COMPILED: HP	DATE: FEB 81	TENEMENT:	MAP Nº: Fig 6
DRAWN: KL	DATE: MAR 81	PLAN Nº: 200E52	REPORT Nº: AR 98
LAST REVISION:		SCALE: 1:1000	PROJECT Nº: 8200
T.C. TO BONN:		REF: D52-8	



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PROJECT PINE Ck.1

KYLIE AREA
SECTION - 80m PROFILE
GEOLOGICAL CROSS-SECTION

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DRAWN: K L	DATE: MAR 81	PLAN No: 200E48	REPORT No: AR 98
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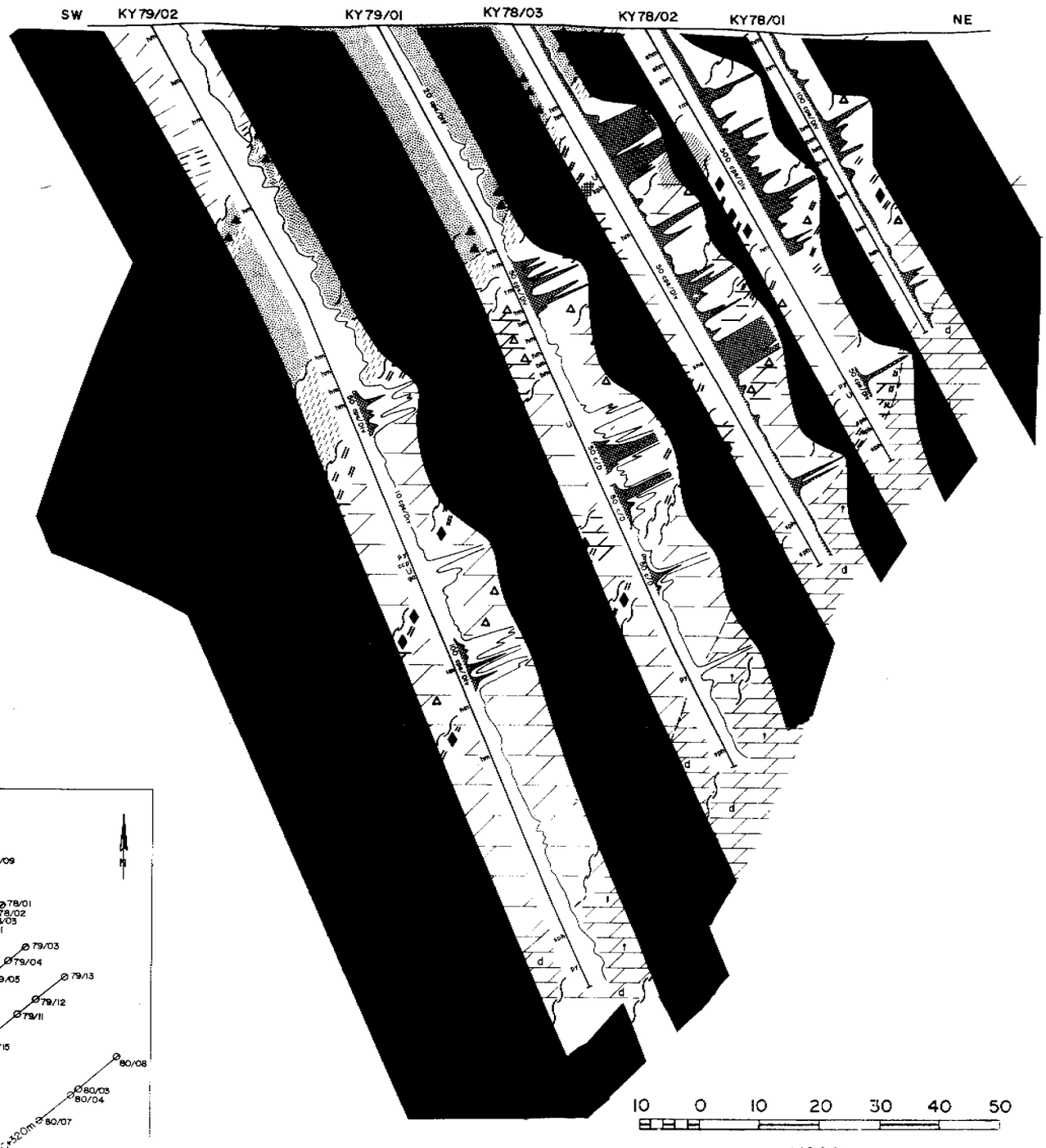
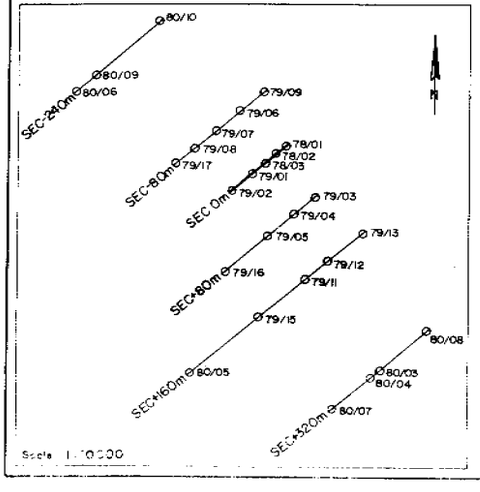
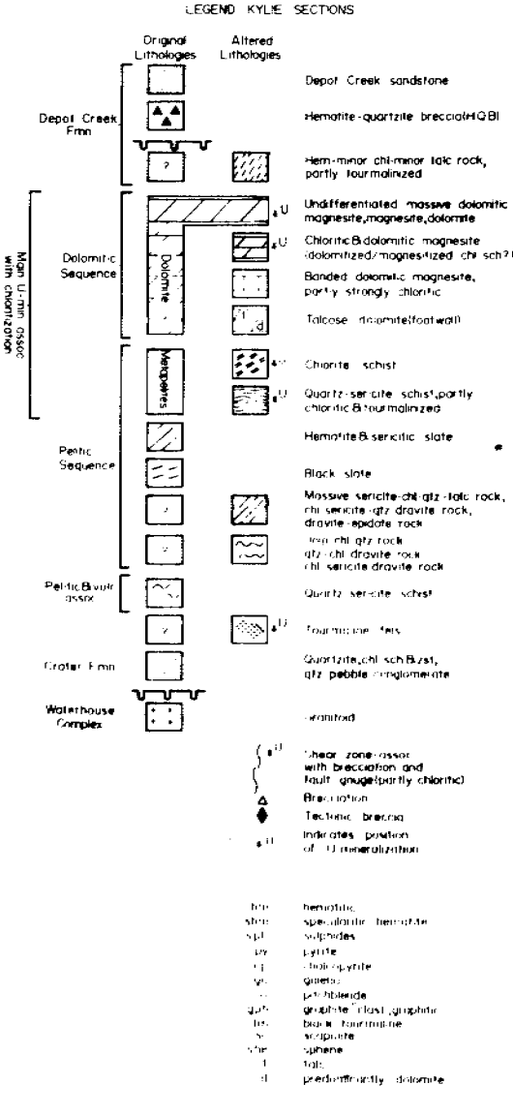






URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE Ck.1

KYLIE AREA
SECTION 0m PROFILE
GEOLOGICAL CROSS-SECTION

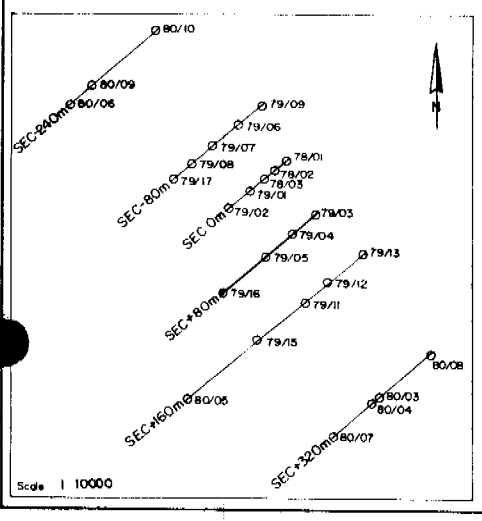
COMPILED:	DATE: FEB 81	TENEMENT:	MAP No: Fig 8
DRAWN:	DATE: MAR 81	PLAN No: 200E49	REPORT No: AR 98
LAST REVISION:		SCALE 1:1000	PROJECT No: 8200
T.C. TO BONN:		REF: D52-8	

SW KY 79/16 KY 79/05 KY 79/04 KY 79/03 NE

LEGEND KYLIE SECTIONS

	Original Lithologies	Altered Lithologies	
Depot Creek Fmn			Depot Creek sandstone
			Hematite-quartzite breccia(HQB)
	?		Hem-minor chl-minor talc rock, partly tourmalinized
Dolomitic Sequence		U	Undifferentiated massive dolomitic magnesite,magnesite,dolomite
		U	Chloritic & dolomitic magnesite (dolomitized/magnesitized chl sch?)
	Dolomite		Banded dolomitic magnesite, partly strongly chloritic
		/d	Talcose dolomite(footwall)
Main U-mineralization with chloritization		U	Chlorite schist
	Metapelites	U	Quartz-sericite schist,partly chloritic & tourmalinized
Pelitic Sequence			Hematite & sericitic slate
			Black slate
	?		Massive sericite-chl-qtz-talc rock, chl sericite-qtz dravite rock, dravite-epidote rock
	?		Dolo-chl-qtz rock qtz-chl-dravite rock chl-sericite-dravite rock
Pelitic & volc assoc			Quartz sericite schist
		U	Tourmaline fels
Crater Fmn			Quartzite,chl sch & zst, qtz-pebble conglomerate
Waterhouse Complex			Granitoid
		U	Shear zone-assoc with brecciation and fault gouge(partly chloritic)
			Brecciation
			Tectonic breccia
		U	indicates position of U-mineralization

hm	hematitic
shm	specularitic hematite
sph	sulphides
py	pyrite
ccp	chalcopyrite
go	galena
U	pitchblende
gph	graphite "clast",graphitic
tm	black tourmaline
sc	scapolite
she	sphene
t	talc
d	predominantly dolomite



10 0 10 20 30 40 50

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URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK I

KYLIE AREA

SECTION +80m PROFILE

GEOLOGICAL CROSS SECTION

COMPILED HP	DATE: FEB 81	TENEMENT:	MAP No: Fig 9
DRAWN: KL	DATE: MAR 81	PLAN No: 200E51	REPORT No: AR 38
LAST REVISION:		SCALE: 1:1000	PROJECT No: 8200
T.C. TO BONN:		REF: D 52-8	


SW
KY 80/05
KY 79/15
KY 79/11
KY 79/12
KY 79/13
NE
LEGEND KYLIE SECTIONS
Original Lithologies
Altered Lithologies
Depot Creek Fmn
Depot Creek sandstone
Hematite-quartzite breccia(HQB)
Hem-minor chl-minor talc rock, partly tourmalinized
Dolomitic Sequence
Dolomite
Undifferentiated massive dolomitic magnesite, magnesite, dolomite
Chloritic & dolomitic magnesite (dolomitized-magnesitized chl sch?)
Banded dolomitic magnesite, partly strongly chloritic
Talcose dolomite (footwall)
Metapelite
Chlorite schist
Quartz-sericite schist, partly chloritic & tourmalinized
Main U-mn assoc with chloritization
Pelitic Sequence
Hematite & sericitic slate
Black slate
Massive sericite-chl-qtz-talc rock, chl-sericite-qtz dravite rock, dravite-epidote rock
Dolo chl-qtz rock
qtz-chl-dravite rock
chl-sericite-dravite rock
Pelitic & volc. assoc
Quartz-sericite schist
Tourmaline fels
Crater Fmn
Quartzite, chl sch, & zst, qtz pebble conglomerate
Waterhouse Complex
Granitoid
Shear zone-assoc with brecciation and fault gouge (partly chloritic)
Brecciation
Tectonic breccia
Indicates position of U-mineralization
hm hematitic
shm specularitic hematite
sph sulphides
py pyrite
ccp chalcopyrite
ga galena
U pitchblende
gph graphite "clast", graphitic
tm black tourmaline
sc scapolite
she sphene
t talc
d predominantly dolomite
80/10
80/09
80/08
SEC-240m
79/09
79/06
79/07
79/01
79/05
79/02
79/03
SEC-80m
79/17
SEC 0m
79/02
79/03
79/04
79/13
79/05
79/12
SEC+80m
79/16
79/11
79/15
80/06
SEC+160m
80/05
80/03
80/04
SEC+320m
80/07
Scale 1:10000
10 0 10 20 30 40 50
1:1000

URANERZ AUSTRALIA PTY. LTD.

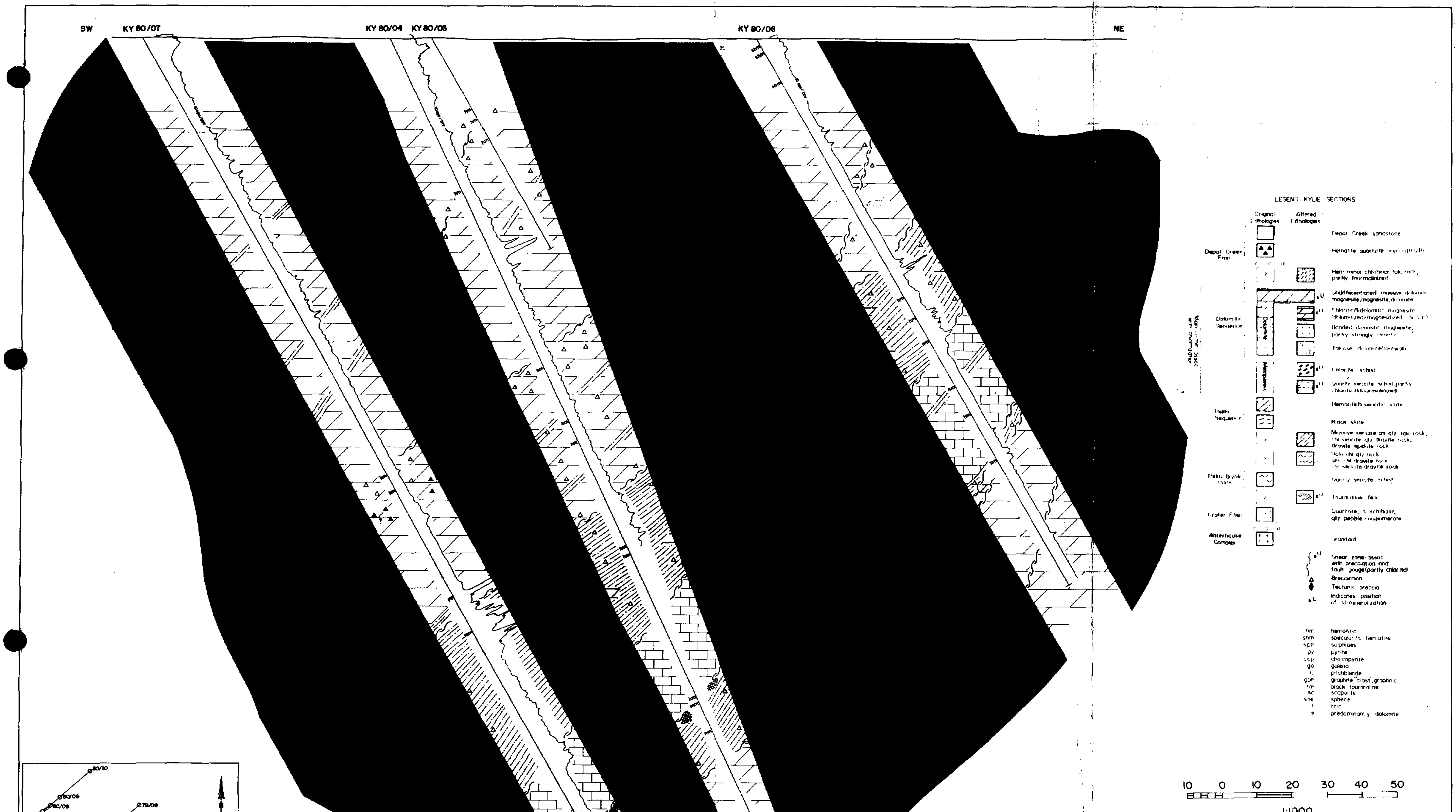
PROJECT PINE CREEK I

KYLIE AREA

SECTION +160m PROFILE

GEOLOGICAL CROSS SECTION

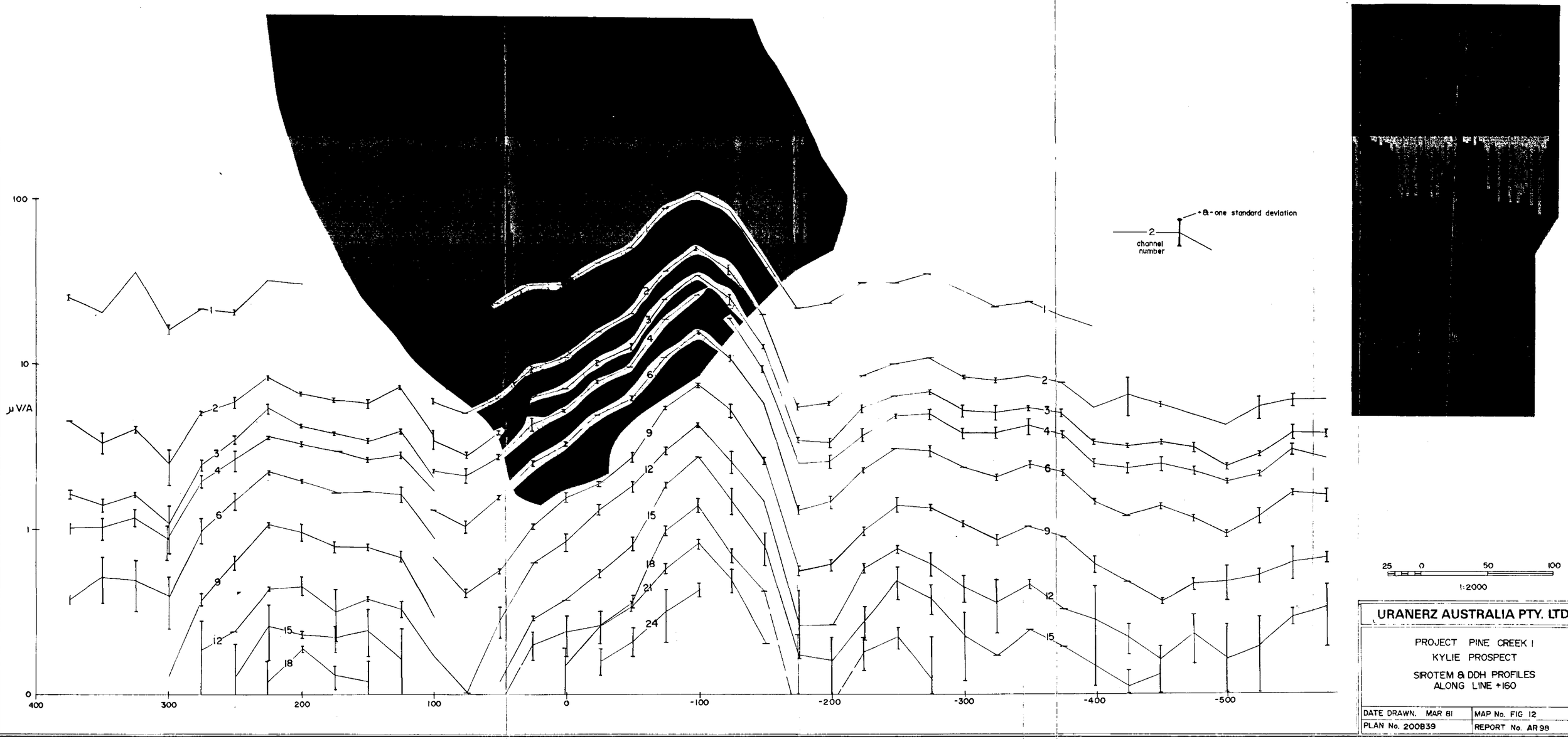
COMPILED HP	DATE: FEB 81	TENEMENT:	MAP Nº: Fig 10
DRAWN: RH	DATE: MAR 81	PLAN Nº: 200E50	REPORT Nº: AR 98
LAST REVISION:		SCALE: 1:1000	PROJECT Nº 8200
T.C. TO BONN		REF: D 52 - 8	


SW
KY 80/07
KY 80/04
KY 80/03
KY 80/08
NE
LEGEND KYLIE SECTIONS
Original Lithologies
Altered Lithologies
Depot Creek Fmn
Depot Creek sandstone
Hem-minor chl-minor talc rock, partly tourmalinized
Undifferentiated massive dolomitic magnesite, magnesite, dolomite
Dolomitic Sequence
Dolomite
Banded dolomitic magnesite, partly strongly chloritic
Chlorite schist
Quartz sericite schist, partly chloritic & tourmalinized
Pelitic Sequence
Black slate
Massive sericite chl qtz talc rock, chl sericite qtz dravite rock, dravite epidote rock
Quartz sericite schist
Tourmaline fels
Crater Fmn
Quartzite, chl sch & zst, qtz pebble conglomerate
Waterhouse Complex
Shear zone assoc with brecciation and fault gouge (partly chloritic)
Brecciation
Tectonic breccia
Indicates position of U-mineralization
hm hematitic
shm specularitic hematite
sph sulphides
py pyrite
ccp chalcopyrite
ga galena
pitchblende
gph graphite "clast", graphitic
tm black tourmaline
sc scapolite
she sphene
t talc
d predominantly dolomite
10 0 10 20 30 40 50
1:1000
SEC-240m
SEC-80m
SEC 0m
SEC-80m
SEC-160m
SEC-320m
Scale 1:10000

URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK I
KYLIE AREA
SECTION +320m PROFILE
GEOLOGICAL CROSS SECTION

COMPILED HP	DATE FEB 81	TENEMENT	MAP Nº Fig 11
DRAWN RH	DATE MAR 81	PLAN Nº 800E 63	REPORT Nº AR 98
LAST REVISION		SCALE 1:1000	PROJECT Nº 1200
T TO BONN		REF D 92-8	



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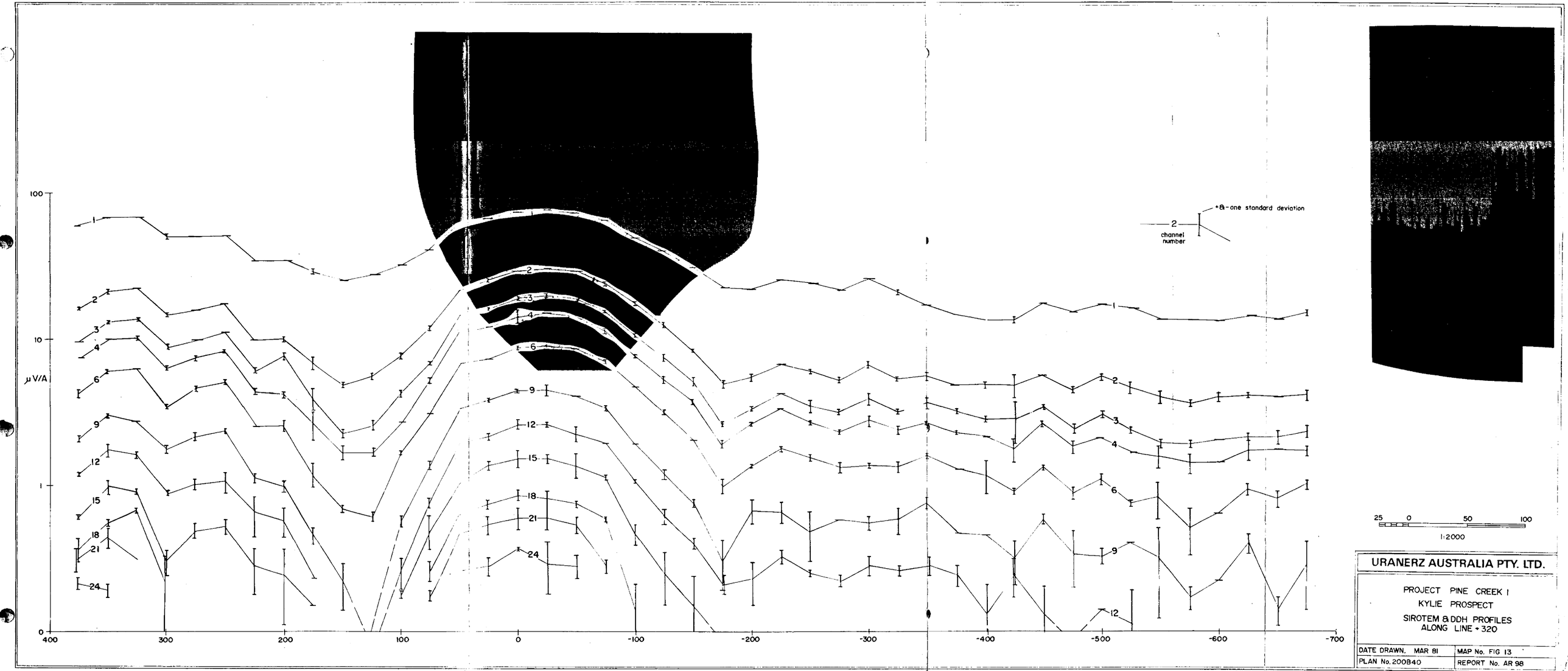
URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK I
KYLIE PROSPECT

SIROTEM & DDH PROFILES
ALONG LINE +160

DATE DRAWN. MAR 81	MAP No. FIG 12
PLAN No. 200839	REPORT No. AR 98



URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK 1
KYLIE PROSPECT
SIROTEM & DDH PROFILES
ALONG LINE +320

DATE DRAWN. MAR 81	MAP No. FIG 13
PLAN No. 200B40	REPORT No. AR 98

6. STATEMENT OF EXPENDITURE:

Exploration Licence 1298 covering the period 3.5.80 to 2.5.81.

Salaries and Wages	153,306
Drilling Contractors	187,752
Field operating costs including consumables, vehicle operating and repairs, airfares, freight, etc.	167,267
Depreciation of vehicles and geophysical equipment, consultant fees, management and distribution of head office costs	66,082
	$574,407

7. OTHER DETAILS:

7.1 Personnel:

General Manager	D.O. Zimmerman
Chief Geologist	J. Borshoff
Project Geologist	H. Pagel
Geologist	J. Rich
Geologist (MINAD)	T. Jauristo
Geologist	L. Feldhaus
Chief Geophysicist	D. Barrett
Field Supervisor	T. McMaster
Secretary	G. Weber

7.2 Instruments:

8 SRAT SPP.2 scintillometers
1 Mt. Sopris 1000C logger
1 Scintrex GAM-1 spectrometer

7.3 Vehicles:

2 Toyota HJ 45's
2 Toyota FJ 45's
2 Toyota Hi Lux
1 Suzuki
1 Trailer
1 Millard Caravan

7.4 Contractors:

Stanley Hall (Perth) .....RAB Drilling
Rockdril (Brisbane) .....Percussion & Diamond Drilling
Geoex Pty. Ltd (Adelaide) .....SIROTEM Survey
J. Novak .....Gridding

APPENDIX I

Mg:Ca DETERMINATIONS - EL 1298

APPENDIX 1 : Mg:Ca DETERMINATIONS EL 1298

RAB NO.	CO-ORDINATES	Mg:Ca[1]	Mg:Ca[2]
4002	331+00N/312E	0.95	0.90
4003	329+50N/312E	0.67	0.61
4005	328+50N/312E	0.62	0.59
4006	328+00N/312E	0.63	0.58
4025	330+00N/314E	0.70	0.61
4030	326+00N/314E	140.00	131.50 *
4031	325+00N/314E	0.76	0.75
4053	325+00N/317E	74.00	53.25 *
4064	326+00N/280E	0.78	0.75
4067	327+50N/280E	0.65	0.66
4072	325+50N/282E	0.75	0.70
4073	325+00N/282E	70.00	51.00 *
4074	324+50N/282E	0.64	0.64
4076	323+50N/282E	0.65	0.70
4081	324+00N/284E	0.60	0.63
4082	324+50N/284E	0.64	0.63
4092	323+00N/286E	0.62	I.S.
4102	318+00N/288E	0.64	0.66
4108	321+00N/288E	0.61	0.61

Ideal ratio Mg:Ca in dolomite is 0.71

1 HF digestion includes Ca and Mg held in silicates

2 HCl digestion, Ca and Mg as carbonates only

* magnesite

APPENDIX 2

ROTARY AIRBLAST BOTTOM-HOLE GEOCHEMISTRY

APPENDIX 2 : ROTARY AIR-BLAST BOTTOM-HOLE GEOCHEMISTRY

TABLE 1 : LOW LIMITS OF THRESHOLD AND ANOMALOUS RAB BOTTOM-HOLE GEOCHEMISTRY FOR MAJOR GEOLOGICAL UNITS

GEOLOGICAL UNIT	XRF							AAS					
	U_3O_8 ppm	Th ppm	Y ppm	Sr ppm	Rb ppm	Pb ppm	Bi ppm	Cu ppm	Zn ppm	Pb ppm	Ni ppm	Co ppm	
Sericite schist (inc. Burrell Ck. Fm.)	12	27	37	43	214	57	*	220	199	106	129	62	threshold
	16	34	48	60	280	97	*	378	334	184	208	96	anomalous
Prospective Sequence	24	16	145	49	52	31	*	407	133	61	310	143	threshold
	38	23	257	74	85	50	*	711	225	104	486	235	anomalous
Amphibolite	10	13	43	49	10	99	*	828	439	366	795	132	threshold
	15	18	59	66	16	169	*	1427	705	638	1128	184	anomalous

* 99% of samples lie below 10 ppm detection limit.

TABLE 2 : ROTARY AIRBLAST ANOMALOUS BOTTOM-HOLE GEOCHEMISTRY - 1980.

Anomalous values in *italics*.

Geological Code:

1. Sericite schist (including Burrell Creek Formation).
2. Silicified dolomite including silica cap.]
3. Fresh dolomite.] = Prospective Sequence
4. Chlorite/chlorite sericite schist.]
5. Carbonaceous schist, shale.]
6. Amphibolite.
7. Hydrogene, bedrock not known.

* Hole reached bedrock; sample taken from hydrogene anomaly.

HOLE NO	CO-ORDINATES	GEOLOGIC. CODE	X R F		A A S				
			U_3O_8	Y	Cu	Zn	Pb	Ni	Co
4007	327.5N/312.0E	3	10	40	30	104	7	265	*235*
4011	330.5N/311.0E	3	*50*	45	4	18	9	160	16
4097*	320.5N/286.0E	4	*130*	65	285	118	10	*675*	225
4098	320.0N/286.0E	4	25	20	78	165	6	*870*	215
4103	318.5N/288.0E	4	*80*	19	101	170	< 5	260	90
4115	324.5N/288.0E	6	7	*85*	47	83	17	505	180
4127	318.5N/290.0E	3	*40*	6	35	42	49	175	37
4128*	318.0N/290.0E	3	*320*	90	165	30	*1000*	385	165
4159	314.5N/292.0E	7	*50*	20	500	60	19	420	57
4187	340+50N/266E	3	25	*0.18%*	< 2	11	20	113	22
4192	338.0N/266.0E	1	7	*65*	10	20	7	78	34
4194	337.0N/266.0E	1	7	30	*565*	32	< 5	141	*115*
4195	336.5N/266.0E	1	16	30	325	39	10	*215*	*255*
4196	336.0N/266.0E	1	4	*100*	64	28	2	60	*112*

TABLE 2 : Continued. (Page 2)

HOLE NO	CO-ORDINATES	GEOLOGIC. CODE	XRF		AAS				
			U_3O_8	Y	Cu	Zn	Pb	Ni	Co
4198	335.0N/266.0E	1	*20*	25	*390*	60	14	*385*	*185*
4199	338.0N/262.0E	1	6	20	205	70	12	*425*	92
4200	338.5N/262.0E	1	*18*	25	225	58	20	*725*	*140*
4201	339.0N/262.0E	1	13	19	60	22	18	*325*	87
4202	339.5N/262.0E	1	8	*60*	8	32	20	43	32
4203	340+50N/266E	3	11	*610*	< 2	12	12	118	10
4206	340+50N/262E	1	14	*55*	< 2	17	< 5	53	20
4215	341+50N/260E	1	5	*50*	2	10	9	23	14
4216	341.0N/260.0E	1	4	*50*	3	8	9	36	12
4222	338.0N/260.0E	1	N/A	N/A	54	65	< 5	*270*	20
4232	336+50N/264E	3	10	30	500	122	90	*695*	155
4234	335+50N/264E	1	12	40	210	82	24	111	*113*
4238	332+50N/270E	6	7	*70*	13	29	13	140	28
4263	324.0N/278.0E	3	4	20	320	52	23	*500*	90
4299	522.5N/310.0E	2	30	25	620	28	51	255	*480*
4306	523.5N/312.0E	2	*95*	90	82	112	15	107	53
4309	522.0N/312.0E	7	*55*	19	18	33	5	81	58
4323	336.5N/257.0E	1	< 3	20	34	210	*390*	35	14
4334	341.5N/253.0E	6	*25*	20	148	76	19	210	49
4346	339.5N/255.0E	2	25	30	400	43	90	*730*	230
4353	339.5N/257.0E	2	*40*	18	161	26	52	102	31
4376	245.0N/249.0E	1	*17*	19	137	45	25	78	60
4382	345.5N/247.0E	2	30	110	530	138	102	*555*	93
4400	349.0N/243.0E	2	*16*	25	134	112	69	35	*193*
4404	347.0N/243.0E	2	6	30	72	*900*	*330*	31	21
4462	321.0N/284.0E	2	3	*65*	2	6	< 5	3	< 2
4476	321.0N/282.0E	2	35	8	350	*330*	66	390	44
4477	321+50N/292E	6	< 3	25	128	*990*	385	325	52
4483	323+50N/280E	3	6	25	*1020*	18	72	310	160
4484	323+25N/280E	3	7	17	*1590*	13	8	*625*	*450*
4485	323.0N/280.0E	3	< 3	11	*2390*	35	57	*530*	*390*
4487	322+50N/280E	4	3	17	166	26	21	*600*	71
4488	322.0N/280.0E	5	*170*	20	184	*1230*	90	*1010*	*325*
4489	321+50N/280E	3	6	20	122	80	39	*525*	77

TABLE 2 : Continued. (Page 3)

HOLE NO	CO-ORDINATES	GEOLOG. CODE	XRF		AAS				
			U_3O_8	Y	Cu	Zn	Pb	Ni	Co
4495	332+50N/278E	5	6	19	*780*	176	48	250	150
4499	326+50N/278E	3	*40*	35	320	45	90	400	205
4501	325+50N/276E	4	4	25	169	82	5	*640*	85
4509	324+50N/274E	2	17	30	*1540*	148	12	385	*425*
4524	327.0N/273.0E	4	< 3	25	175	*290*	*195*	240	72
4526	326.0N/273.0E	6	< 3	20	370	290	105	*970*	115
4536	326.0N/270.0E	2	8	11	*980*	48	27	115	64
4537	326.5N/270.0E	2	19	55	*2490*	*840*	11	435	160
4539	327.1N/270.0E	2	25	12	*2555*	140	< 5	270	170
4540	327.5N/270.0E	2	10	11	110	67	*110*	110	64
4542	328.5N/270.0E	6	*16*	35	*3400*	83	33	*1420*	125
4549	332.0N/268.0E	5	19	18	*826*	24	60	280	150
4550	331.5N/268.0E	3	*55*	*260*	*1120*	94	*670*	*2000*	*1230*
4552	330.5N/268.0E	1	*20*	20	130	105	16	*215*	38
4555	329.0N/268.0E	2	8	18	330	120	*135*	480	110
4559	327.0N/268.0E	1	7	25	*1870*	43	10	138	57
4569	331.0N/264.0E	1	< 3	20	360	25	28	42	*98*
4572	332.5N/264.0E	6	< 3	16	290	*940*	165	730	140
4573	333.0N/264.0E	6	< 3	16	460	680	*1480*	750	*190*
4575	334.0N/264.0E	2	11	12	390	74	*160*	360	125
4576	333.5N/250.0E	1	6	30	23	*990*	305	47	40
4578	332.5N/260.0E	1	8	30	120	*1030*	*790*	51	40
4579	332.0N/260.0E	1	< 3	40	130	*440*	*305*	65	54

APPENDIX 3

ROTARY AIRBLAST BOTTOM-HOLE GEOCHEMISTRY

CORRELATION COEFFICIENTS

APPENDIX 3 : ROTARY AIR-BLAST BOTTOM-HOLE GEOCHEMISTRY
CORRELATION COEFFICIENTS

U vs. :	X-RAY FLUORESCENCE		ATOMIC ABSORPTION				
	Y	Pb	Cu	Zn	Pb	Ni	Co
Sericite schist (inc. Burrell Ck.)	.07	.05	.09	.01	-.05	.27	.34
Prospective sequence	.13	.41	.14	.61	.28	.43	.36
Amphibolite	.22	-.04	.39	-.08	-.09	.11	.01

A reasonable positive correlation was obtained between 'prospective sequence' uranium and zinc, and marginal correlations between uranium and nickel-cobalt. On a regional scale, uranium would appear to be its own best path-finder.

Data was recalculated for the 'prospective sequence' only, using the 10% of samples with the highest uranium values:

U vs. :	X-RAY FLUORESCENCE		ATOMIC ABSORPTION				
	Y	Pb	Cu	Zn	Pb	Ni	Co
Prospective sequence	-.09	.10	-.05	.83	.15	.35	.21

In this case, the correlations all decrease, with the exception of zinc which exhibits an even greater positive correlation.

APPENDIX 4

ROTARY AIRBLAST DRILL STATISTICS

13.

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4000	330 N 312 E	24/5/80	RAB/PDH	27	23		Alluv. sand	45	<3	11	7	30	<3	<3	<10	17	12	<5	25	4	15							(22m) RAB 5-10 m (2hrs) PDH 0-5 and 18-27m
4001	330+50 N 312 E	26/5/80	RAB/PDH	28	19		Alluv. sand	60	<3.	6	6	25	<3	<3	<10	4	3	9	18	2	15	x3	9.7	Ca	Mg			PDH - 4m 1½ hr
4002	331 N 312 E	26/5/80	RAB/PDH	44	42.5	Dolomite		70	<3	11	12	30	4	<3	<10	5	32	6	86	28	28			11.1	10.6			PDH - 17m 2 hr.
4003	329.50 N 312 E	26/5/80	RAB/PDH	28	25.5	Silicified Dolomite		50	<3	7	16	35	25	<3	<10	7	18	8	65	31	17	x2	4.5	16.6	11.2			PDH - ~~2m~~ 7m ½ hr.
4004	329 N 312 E	27/5/80	RAB/PDH	24	21.5	Silicified Dolomite		45.	<3	6	17	5	<3	<3	<10	4	19	<5	78	38	24							PDH 4.5m (½hr)
4005	328.50 N 312 E	27/5/80	RAB	20	11.5	Dolomite		50	<3	8	18	20	6	9	<10	9	14	6	85	43	22	2.5	2	Ca 19.9	Mg 12.3			
4006	328 N 312 E	27-5-80	RAB	22	12	Dolomite		50	<3	13	9	19	30	<3	<10	10	32	<5	55	24	26			18.7	11.8			
4007	327.5 N 312 E	27-5-80	RAB	30	23	Dolomite		55	10	14	40	30	<3	40	<10	30	104	7	265	235 x	28							
4008	327 N 312 E	27-5-80	RAB	26	22.5	Sil. Dol.		55	<3	4	3	<3	<3	<3	<10	7	14	<5	42	10	26							
4009	327 N 311 E	27-5-80	RAB	14	12.5	Sil. Dol.		50	<3	5	13	12	<3	<3	<10	5	7	<5	24	3	26							
4010	327.5 N 311 E	27-5-80	RAB	28	13.5		[illegible] gravel	45.	<3	3	12	18	<3	<3	<10	6	4	<5	19	2	20	x3	5.4					
4011	330.5 N 311 E	28-5-80	RAB	27	14.5	Dolomite		60	50 x	11	45	25	<3	9	<10	4	18	9	160	16	74	x3	10.3			x 3		
4012	330 N 311 E	28-5-80	RAB	28	21	Sil. Dol.		65.	5	4	30	4	<3	<3	<10	14	12	<5	20	5	18							
4013	329.5 N 311 E	28-5-80	RAB	20	13		Alluvial sand	55.	<3	12	11	35	<3	9	<10	7	10	7	20	3	20							
4014	330.5 N 310 E	28-5-80	RAB	32	30	Dolomite		70	6	14	20	95 x	9	<3	<10	4	8	<5	30	10	35							
4015	329 N 310 E	28-5-80	RAB/PDH	24	12.5		[illegible]	50	<3	<3	35	3	<3	<3	<10	2	4	<5	18	5	12							PDH 9-24m (2¼ hr)
4016	327 N 310 E	28-5-80	RAB/PDH	18	16.5	Sil. Dol.?		50	<3	16	11	19	100 x	<3	<10	3	9	<5	22	12	43							
4017	327.5 N 310 E	28-5-80	RAB	37	30.5	Sil.? Dol.?	[illegible]	30	3	7	30	6	3	<3	<10	3	11	<5	50	31	31							

May

[illegible] 62 drilled

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)													RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF U_3O_8	XRF Th	XRF Y	XRF Sr	XRF Rb	XRF Pb	XRF Bi	AAS Cu	AAS Zn	AAS Pb	AAS Ni	AAS Co	DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4018	330.5N 309E	29-5-80	RAB	19	17	Dolomite		80	11	19	17	75 x	55	<3	<10	3	9	7	30	11	50								
4019	330N 309E	29-5-80	RAB	22	20.5	Dolomite		55	<3	20	20	70	60 x	<3	<10	<2	6	<5	38	11	38								
4020	329.5N 309E	29-5-80	RAB	14	11.5	Dolomite		40	3	20	14	20	8	<3	<10	3	10	<5	107	14	37								
4021	329N 309E	29-5-80	RAB	26	24	Sil. Dol.		50	4	8	50	6	3	<3	<10	3	10	<5	52	14	23								
4022	327N 309E	29-5-80	RAB	30	27		Alluvial gravel.	35	<3	16	9	11	20	3	<10	3	6	<5	20	7	27								
4023	332N 314E	29-5-80	RAB	42	40	Sil. Dol		60	<3	3	10	<3	9	<3	<10	<2	8	<5	39	9	27	4x	348						
4024	331N 314E	30-5-80	RAB	60	58			70	Insufficient Sample							18	8	11	53	12	25			Ca	Mg				
4025	330N 314E	30-5-80	RAB	35	33.5	Dolomite		55	6	25 x	17	35	4	<3	<10	30	26	17	70	41	28	225	266	19.5	13.1				
4026	329N 314E	30-5-80	RAB	15	9.5	Sil. Dol.		45	<3	9	6	12	<3	<3	<10	8	4	8	25	7	12								
4027	328N 314E	30-5-80	RAB	10	4.5	Sil. Dol.		45	<3	16	12	20	5	<3	<10	8	8	8	28	5	17								
4028	327.6N 314E	30-5-80	RAB	14	12.5	Sil. Dol.		35	3	7	13	5	<3	<3	<10	30	28	<5	64	9	18								
4029	327N 314E	31-5-80	RAB	22	2	Sil. Dol.		40	<3	7	<3	3	<3	<3	<10	10	12	<5	32	8	32								
4030	326N 314E	31-5-80	RAB/ POR	12	10.5	Dolomite		45	<3	5	5	<3	<3	<3	<10	5	7	<5	30	13	12			0.2	28.0				PDH - ⅔ (¾hr) 8-12 m.
4031	325N 314E	31-5-80	RAB	21	16.5	Dolomite		50	<3	7	<3	45	<3	<3	<10	<2	10	11	27	16	15			14.1	10.8				
4032	324N 314E	31-5-80	RAB	26	18	Sil. Dol. ?		60	<3	4	8	40	<3	10	<10	10	23	<5	85	72	32								
4033	323N 314E	31-5-80	RAB	18	15.5	Sil. Dol. ?		55	11	18	19	3	<3	17	<10	86	19	22	165	45	20								
4034	322N 314E	31-5-80	RAB	34	20	Sil. Dol ??		60	7	5	5	3	<3	25	<10	17	19	33	142	42	40								
4035	321N 314E	2-6-80	RAB	26	24.5	Carb. Siltst		65	9	20	20	7	80	<3	<10	92	43	14	122	42	32								

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Assumed 12 recovered.

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.): XRF U_3O_8	XRF Th	XRF Y	XRF Sr	XRF Rb	XRF Pb	XRF Bi	AAS Cu	AAS Zn	AAS Pb	AAS Ni	AAS Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4036	320N 314E	2-6-80	RAB	40	35	Carb. Siltst		50	<3	13	16	25	70	3	<10	66	116	18	195	83	18							
4037	319N 314E	2-6-80	RAB	35	33	/	weath. Amph.b.?	60	<3	10	9	70	4	<3	<10	200	84	<5	536	610	19							
4038	318N 314E	2-6-80	RAB	25	23.5	Amph.b.		55	<3	8	25	25	6	<3	<10	58	183	13	420	190	21							
4039	317N 314E	2-6-80	RAB	20	16.5	Carb. siltst.		60	7	20	35	45	60	<3	<10	3	6	<5	22	8	52							
4040	316N 314E	2-6-80	RAB	11	9	Carb. Siltst.		55	<3	20	30	25	50	<3	<10	<2	3	<5	10	3	54							
4041	315N 314E	2-6-80	RAB	5	3.5	Recrn. sericitic siltst.		70	<3	18	<3	35	60	<3	<10	<2	9	<5	15	7	41							
4042	315N 317E	2-6-80	RAB	16	14.5	Carb. Siltst		60	<3	20	40	35	95 x	<3	<10	<2	8	<5	22	7	50							
4043	316N 317E	2-6-80	RAB	10	7.5	Carb. Siltst.		70	3	11	25	17	10	<3	<10	<2	3	<5	16	2	45							
4044	317N 317E	2-6-80	RAB	24	22.5	Amphib.		35	4	10	18	[illegible]	<3	<3	<10	130	60	<5	416	65	6							
4045	318N 317E	3-6-80	RAB	18	16.5	Amphib.		45	<3	[illegible]	20	[illegible] x	<3	<3	<10	75	97	<5	460	71	12							
4046	319N 317E	3-6-80	RAB	41	33.5	/	Gravel?	50	4	4	8	<3	<3	<3	<10	88	18	<5	270	550	30							
4047	320N 317E	3-6-80	RAB	29	27.5	Carb. Siltst		55	6	25 x	17	11	85 x	<3	<10	30	14	7	40	38	34							
4048	321N 317E	3-6-80	RAB	42	31.5	Carb. Siltst.?		50	5	8	8	11	8	8	<10	28	10	6	45	43	35							
4049	322N 317E	3-6-80	RAB	28	12	/	Gravel?	50	<3	6	30	6	<3	<3	<10	10	<5	13	61	48	26							
4050	323N 317E	3-6-80	RAB	10	6.5	/	Gravel?	50	6	10	6	45	<3	5	<10	16	<5	9	42	87	21	x4	25					
4051	323.2N 317E	3-6-80	RAB	20	17.5	Sil: Dol.		55	4	4	5	9	<3	<3	<10	7	<5	3	23	7	21							
4052	324N 317E	12-6-80	RAB	13	6.5	Sil, dol		55	4	4	4	4	<3	<3	<10	8	3	<5	28	9	25				2.5x	Ca	Mg	
4053	325N 317E	12-6-80	RAB	9	4	dol	clay	65	6	5	6	9	8	11	<10	18	6	8	54	41	20				2.5x	0.3	22.2	

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4054	327 N 317 E	14.06.80	RAB	4	2.4	dolomite	sandy clay	50	6	6	10	5	5	<3	<10	11	8	<5	42	20	22							
4055	328 N 317 E	14.06.80	RAB	7	5	dolomite	clay	55	<3	<3	5	65	<3	<3	<10	6	8	14	58	21	20				2x			litho sample @ 6-7 m
4056	329 N 317 E	14.06.80	RAB	13	9.5	silic dolomite	clay	70	6	11	12	8	<3	<3	<10	7	11	6	98	18	15				2x			
4057	330 N 317 E	14.06.80	RAB	7	5.5	dolomite	brown clay + chlorite schist	60	<3	8	19	50	<3	7	<10	5	12	8	68	26	20							litho sample @ 2-6 and 7 m
4058	331 N 317 E	14.06.80	RAB	7	5	dolomite	clay + chlorite schist	60	7	8	17	65	<3	<3	<10	7	8	10	53	23	20							litho sample @ 2-6 and 7 m
4059	332 N 317 E	14.06.80	RAB	25	12	dolomite	clay + silic dolomite	55	6	20	7	8	5	9	<10	23	15	10	92	48	22							
4060	333 N 317 E	14.06.80	RAB	17	12.5	dolomite	clay + silic dol.	60	5	14	12	40	<3	4	<10	21	22	12.	110	42	22							
4061	334 N 317 E	14.06.80	RAB	30	19	/	clay + alluvium	70	3	10	<3	45	<5	<3	<10	3	3	15	37	17	20				2x			
4062	325 N 280E	14.06.80	RAB	14	12.5	chlorite qtz schist	chlorite qtz schist	90	3	14	25	18	4	16	<10	4	68	<5	135	58	20							litho sample @ 14 m.
4063	325.5 N 280 E	14.06.80	RAB	16	14.5	"	"	90	7	14	35	19	8	<3	<10	8	102	<5	80	48	30							litho sample @ 16 m.
4064	326 N 280 E	16.06.80	RAB	15	12.5	dolomite	clay.	90	11	16	60	25	8	25	<10	64	28	12	190	62	25		7.6	0.8	Ca 18.7	2½x	Mg 14.6	litho sample @ 15 m
4065	326.5 280 E	16.06.80	RAB	12	9.	dolomite	clay	90	4	8	40	25	11	<5.	<10	37	25	18	120	33	25		3.4	0.7	2x	4x		litho sample @ 10-12 m.
4066	327 N 280 E	16.06.80	RAB	14	9.5	dolomite	siltstone + clay	90.	9	15	15	15	11	30	<10	39	19	18	99	32	20				2x			
4067	327.5 N 280 E	16.06.80	RAB	11	8	dolomite	clay + chlorite schist.	75	4	9	20	35	7	3	<10	18	43	6	107	73	20	Ca 19.3	Mg 12.5		2½x			
4068	327.5 N 282 E	16.06.80	RAB	16	12.5	dolomite	clay	75	<3	7	13	55	<3	<3	<10	12	8	8	49	20	20				2x			
4069	327 N 282 E	16.06.80	RAB	20	15.5	dolomite	clay + silic dol.	70	9	10	30	25	13	20	<10	28	12	23	83	38	40							
4070	326.5 282 E	16.06.80	RAB	23	19	dolomite.	brown clay	75	8	19	25	20	11	35	<10	47	15	31	127	57	40							
4071	326 N 282 E	16.06.80	RAB	24	21.5	dolomite.	qtz mica schist + clay	80	5	13	55	180	17	8	<10	11	8	21	48	18	25				2x			litho sample @ 24 m
				205.4																								

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)												RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF U	XRF Th	XRF Y	XRF Sr	XRF Rb	XRF Pb	XRF Bi	AAS Cu	AAS Zn	AAS Pb	AAS Ni	AAS Co	DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4072	325.5 N 282 E	16.06.80	RAB	22	18.5	dolomite	clay	80	4	14	50	30	13	20	<10	58	39	23	220	77	40	Ca 19.4	Mg 14.5					litho sample @ 22
4073	325 N 282 E	17.06.80		23	25	dolomite	clay	90	14	15	45	35	9	19	<10	2	35	<5	235	55	30	0.4	28.0		2×			litho sample @ 28-29 m.
4074	324.5 N 282 E	17.06.80		24	18.5	chloritic shale and dolomite	clay + chl shale	90	11	12	14	11	8	<3	16	11	56	8	170	60	30	1.3	11.8			2×		litho sample @ 17 and 24m.
4075	324 N 282 E	17.06.80		16	14	chl qtz schist	clay + schist	100	13	12	25	16	3	5	<10	7	65	<5	250	52	30				2×			
4076	323.5 N 282 E	17.06.80		14	12.5	chl qtz schist + dolo.	clay + schist.	100	17	13	8	15	<3	14	<10	7	67	<5	250	53	30	Ca 20.2	Mg 13.1		2×			litho sample 13-14 m.
4077	322 N 284 E	17.06.80		30	27	silica cap over dolo ?	brown clay	90	12	6	5	19	<3	3	<10	22	97	7	210	72	40		24.5	1.5	·	4×		litho sample @ 27-28 m.
4078	322.5 284	17.06.80		19	18	qtz chl schist.	clay	75	<3	8	25	13	45	17	<10	110	69	26	180	86	20				2×			
4079	323 N 284 E	17.06.80		18	16.5	chl schist	clay	75	10	12	30	30	20	8	<10	35	93	<5	215	78	25							
4080	323.5 284 E	17.06.80		20	18.5	schist	brown clay	75	7	5	25	10	<3	8	<10	2	48	<5	235	82	20		14.5	0.6	2×	2½×		litho sample @ 20 m
4081	324 N 284 E	17.06.80		9	7.5	dolomite	clay chl schist blk shale	85	5	<3	12	60	<3	<3	<10	7	10	8	58	22	40	Ca 21.2	Mg 12.7					litho sample @ 9 m.
4082	324.5 N 284 E	17.06.80		15	13	dolomite	clay blk shale	90	15	17	14	40	15	8	<10	22	19	19	72	28	30	19.9	12.7					litho sample @ 15m
4083	325 N 284 E	17.06.80		17	15.5	dolomite	brown clay	90	7	9	14	25	8	9	<10	41	23	35	116	46	80							
4084	325.5 N 284 E	18.06.80		15	13.5	dolomite	brown clay	90	11	9	20	40	20	25	<10	21	18	10	95	29	25				2×			litho sample @ 15 m.
4085	326 N 284 E	18.06.80		22	17	—	clay	75	13	25 x	30	25	14	35	<10	86	40	48	155	73	40							
4086	326.5 N 284 E	18.06.80		12	10	dolomite	brown clay	75	4	3	40	5	<3	<3	<10	<2	8	<5	53	11	20				2×			
4087	325.5 N 286 E	18.06.80		21	16	silica dolomite	clay	75	11	14	45	25	4	25	<10	51	39	30	142	38	30							
4088	325 N 286 E	18.06.80		22	18.5	dolomite	chl schist to clay	65	3	7	35	35	3	<3	<10	32	32	13	285	53	30							litho sample @ 20 and 22 m.
4089	324.5 N 286 E	18.06.80	↓	16	13.5	dolomite	brown clay									96	32	14	130	40	25							

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4090	324 N 286 E	18.06.80	RAB	32	30	soil cap poss dol?	brown clay	75	16	12	40	85	<3	55x	<10	50	64	7	235	182	30		29	0.7		2x		
4091	328.5 N 286 E	18.06.80		33	26.5	dolomite	brown clay	85	20	8	35	95x	6	20	<10	24	73	6	210	83	40							litho sample @ 26
4092	323 N 286 E	19.06.80		26	24	dolomite	brown clay	85	13	9	30	40	6	25	<10	37	39	12	145	62	30	26.0	Mg 12.5					litho sample @ 26
4093	322.5 N 286 E	19.06.80		40	23.5	chlorite quartz schist	clay + schist	90	13	9	19	19	6	<3	<10	9	40	11	140	48	40		10.5	1.0		3½x		litho sample @ 40
4094	322 N 286 E	19.06.80		10	8.5	chlorite schist	clay schist	80	3	5	25	20	<3	15	<10	23	56	<5	155	52	30							
4095	321.5 N 286 E	19.06.80		10	8.5	chlorite schist	clay schist	125	<3	7	25	8	<3	<3	<10	3	54	<5	175	58	20				3x			
4096	321 N 286 E	19.06.80		12	10.5	chlorite schist	clay schist	145	18	9	20	9	<3	7	<10	50	53	9	170	68	30				2½x			130 API units/21m
4097	320.5 N 286 E	19.06.80		46	37	chlorite schist	clay schist	135	19	10	30	11	12	16	<10	180	40	8	200	110	60		19.6	2.0		7½x		litho sample @ 46
4098	320 N 286 E	19.06.80		32	30.5	chlorite schist	clay schist	90	25	18	20	16	<3	25	<10	78	165	6	870x	215	40		26.6	1.2		6½x		litho sample @ 32
4099	319.5 N 286 E	19.06.80		34	32	bit dry quartzite dolo?	clay	70	4	6	<3	6	<3	5	<10	142	22	11	240	90	40		21.6	2.2		9x		litho sample @ 34
4100	317 N 288 E	20.06.80		52	28.5	/	brown clay.	100	3	10	10	<3	35	<3	<10	580	30	10	60	18	30							
4101	317.5 N 288 E	20.06.80		30	28.5	Amphibolite	clay + ampl.	75	8	16	25	35	<3	<3	<10	127	82	5	405	90	10							litho sample @ 30 m.
4102	318 N 288 E	20.06.80		22	20.5	dolomite	clay siltstone	70.	<3	<3	25	13	3	<3	<10	23	33	5	170	60	40	Ca 18.6	8	1.7	Mg 12.0	2½x		litho sample @ 10 m and 22 m
4103	318.5 N 288 E	20.06.80		38	27.5	chlorite schist	brown clay + schist	70	80x	6	19	15	35	20	<10	101	170	<5	260	90	30		26.4			6½x		peak cut off by bottom of hole, litho sample @ 38
4104	319 N 288 E	20.06.80		29	28	chlorite schist	brown clay + schist.	75	10	10	20	18	7	<3	<10	53	58	8	180	55	20							
4105	319.5 N 288 E	20.06.80		23	21.5	chlorite schist	clay	75	11	20	17	30	10	11	<10	30	46	12	75	33	30							litho sample @ 23
4106	320 N 288 E	20.06.80		24	21.5	chlorite schist	clay	75	9	18	13	11	8	3	<10	16	40	11	220	60	50							litho sample @ 24
4107	320.5 N 288 E	20.06.80		34	27.5	silica cap	clay + weathered schist	75	18	10	15	8	7	25	<10	38	37	24	155	51	50		21.3	3		2x		

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4108	321 N 288 E	21.06.80	RAB	34	33	dolomite	brown clay	85	<3	6	<3	25	3	<3	<10	6	4	7	20	11	30	Ca 21·1	Mg 12·9					litho sample @ 34
4109	321.5 N 288 E	21.06.80		44	28.5	—	silcrete	80	4	8	9	60	3	3	<10	11	19	13	71	49	80							litho sample 30 m.
4110	322 N 288 E	21.06.80		25	23	dolomite	brown clay + silic dolo	80	7	10	5	45	4	<3	<10	10	13	18	57	22	80							
4111	322.5 N 288 E	21.06.80		52	25	—	silcrete	55	7	11	9	65	3	11	<10	4	3	17	18	9	15				2x			
4112	323 N 288 E	21.06.80		26	22	dolomite	brown clay	55	4	5	10	35	<3	11	<10	14	30	12	103	27	80							litho sample 26 m.
4113	323.5 N 288 E	23.06.80		24	18.5	—	clay	55	25	11	140	30	7	15	<10	57	118	15	405	170	30							litho sample 22-23 m.
4114	324 N 288 E	23.06.80		30	26	gossan?	clay	55	5	[illegible]	59	45	6	40	<10	27	32	13	150	108	30							litho sample at m 28-29
4115	324.5 N 288 E	23.06.80		23	14.5	gossan?	clay	60	7	4	85 X	30	9	25	<10	47	83	17	505	[illegible]	40							
4116	325 N 288 E	23.06.80		8	6.5	Chlorite schist	clay schist	60	<3	8	19	15	<3	<3	<10	7	51	<5	210	47	20							
4117	325.5 N 288 E	23.06.80		14	12.5	chloritic schist.	—	60	7	13	25	35	12	<3	<10	2	10	<5	165	21	30							litho sample at m 13-14
4118	321 N 286 E	23.06.80		32	30.5	silic dolomite	clay schist	125	17	8	25	25	25	9	<10	112	58	7	138	58	30				2½x			
4119	319 N 286 E	23.06.80		32	30.5	carb qtz schist?	clay + schist	55	7	25 X	18	25	160 X	<3	40	108	47	<5	42	20	80							
4120	322 N 290 E	24.06.80		40	26.5	dolomite, gossan + chl schist	clay	55	<3	<3	<3	<3	<3	<3	10	4	<2	<5	18	<2	30							
4121	321.5 N 290 E	24.06.80		45	43	gossan over dolomite?	clay	60	80	15	90	18	5	19	<10	35	99	16	119	35	20							litho sample at m 44-45
4122	321 N 290 E	24.06.80		37	35	dolomite	clay	55	9	16	14	20	9	20	<10	36	66	10	160	91	40		31	4		2½x		litho sample at m 18-19
4123	320.5 N 290 E	24.06.80		28	25	chl. schist.	clay	60	11	20	35	25	17	20	<10	12	47	8	165	58	30				2x			litho sample at m 26
4124	320 N 290 E	24.06.80		18	16.5	dolomite	brown clay	60	<3	8	6	35	6	13	<10	7	22	10	110	28	80				2x			
4125	319.5 N 290 E	24.06.80	↓	22	25	—	alluvial sand	45	4	3	3	3	3	<3	<10	3	8	<5	47	19	40							

SE Ky lie

441.5

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4126	319 N 290 E	25.06.80	RAB	32	28.5	dolomite	clay + broken clay	80	<3	3	<3	3	<3	<3	<10	8	16	7	129	19	40							litho sample at m 31-32
4127	318.5 N 290 E	25.06.80		16	14.5	dolomite	bn clay + carb shale	85	*40	16	6	12	8	x50	<10	35	42	49	175	37	60		9.1	1.2		4½x		litho sample at m 11-12
4128	318 N 290 E	25.06.80		24	17	dolomite	clay + carb + chlorite shale	80	x45	18	17	6	12	x60	<10	18	22	52	170	32	60		4.0 14.3	4.0 0.5		16x 15x		litho sample at m 5-6 & 15-16
4129	317.5 N 290 E	25.06.80		28	23	s.l. dolomite	clay + carb + chl schist	80	x40	<3	<3	3	4	<3	<10	4	2	<5	27	3	60		20 21.8	1.8 2.5		4x 4x		litho sample at m 11-13
4130	317 N 290 E	25.06.80		16	14.5	dolomite	clay + chl schist	65	7	<3	13	x90	<3	<3	<10	3	10	19	62	23	60		13.8	1.6		2x		
4131	316.5 N 290 E	25.06.80		30	28.5	quart chlorite schist	clay + chl schist vein qtz	60	6	13	40	25	5	12	<10	10	215	9	195	81	40		15.8	1.6		3x		litho sample at m 27-28 & 28-29
4132	316 N 290 E	25.06.80		28	26.5	qtz chlorite sericite schist.	clay + schist	55	30	11	15	19	5	19	<10	10	103	15	275	61	30		20.4	2.0	4½x	3x		litho sample at m 27-28
4133	315.5 N 290 E	25.06.80		34	29	s.l. dolo cap	brown clay + schist	65	9	3	5	3	4	8	<10	63	22	<5	119	33	60		5.5 20.3	1.0 0.7		2½x 2x		litho sample at m 27-28
4134	315 N 290 E	26.06.80		16	14	black cryptic chert	clay	60	9	<3	5	<3	5	<3	<10	64	13	<5	128	33	60							litho sample at m 15-16
4135	310 N 300 E	26.06.80		12	11	vein quartz	clay + dark schist	60	5	18	13	10	90	<3	<10	3	8	<5	19	7	50							
4136	309 N 300 E	26.06.80		18	16.5	sericite chlorite qtz schist	clay + schist.	60	4	12	20	25	150	12	<10	7	31	17	44	53	50							litho sample at m 16-17
4137	308 N 300 E	26.06.80		14	12.5	sericite qtz chlorite schist	clay + schist.	60	7	25	30	20	190	13	<10	20	27	<5	47	21	50							litho sample at m 13-14
4138	307 N 300 E	26.06.80		18	16.5	sericite qtz chlorite schist.	clay + schist.	65.	7	30	30	15	210	18	<10	16	37	73	33	16	40							
4139	306 N 300 E	26.06.80		20	18.5	sericite qtz chlorite schist	clay + schist.	55	3	20	25	20	200	<3	<10	20	6	<5	20	9	50							litho sample at m 19-20
4140	305 N 300 E	26.06.80		16	14.5	ferruginous sericite chl. qtz schist	clay + schist	60	6	30	25	20	160	15	<10	22	38	<5	38	21	50							
4141	304 N 300 E	26.06.80		14	12.5	qtz sericite schist.	schist	70	6	15	12	9	55	7	<10	43	12	6	22	11	50							litho sample m 13-14
4142	303 N 300 E	26.06.80		18	16	qtz sericite schist.	clay + schist	75	<3	16	17	11	100	5	<10	8	9	<5	23	11	60							litho sample at m 17-18
4143	302 N 300 E	26.06.80	✓	14	12.5	sericite qtz schist.	clay + schist.	80	3	11	12	14	70	<3	<10	32	9	6	18	8	60							

320 ppm 4-5 m.

SE Kylie

Kylie recon

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Kylie recon

Ky SE

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	XRF: Th	XRF: Y	XRF: Sr	XRF: Rb	XRF: Pb	XRF: Bi	AAS: Cu	AAS: Zn	AAS: Pb	AAS: Ni	AAS: Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4144	314 N 290 E	30.06.80	RAB	18	16.5	amphibolite	clay + amphibolite	65	<3	14	30	58	3	17	<10	94	82	11	435	63	20				5x			1 t/o sample 17-18 m
4145	313 N 290 E	30.06.80		52	23.5	/	alluvium + silic schist	70	11	3	16	20	6	12	<10	85	66	14	95	140	40							
4146	312 N 290 E	30.06.80		14	12.5	silicified schist	laterite	75	4	20	40	9	95	<3	<10	2	8	<5	12	6	40							
4147	311 N 290 E	30.06.80		22	20.5	silicified schist	clay + schist	70	7	17	25	8	70	<3	<10	39	12	6	23	19	60							
4148	310 N 290 E	30.06.80		16	14.5	sericite qtz chlor schist	clay + schist	70	3	20	25	18	160	<3	<10	11	33	6	30	16	50							
4149	309 N 290 E	30.06.80		6	4.5	chlorite qtz. sericite schist	clay + schist	75	<3	16	13	9	90	6	<10	8	10	8	19	9	40							
4150	315 N 292 E	30.06.80		39	27	dolomite	clay + chlor schist	70	4	<3	13	<3	5	13	<10	38	16	8	128	87	50							
4151	315.5 N 292 E	01/07/80		38	33	dolomite	clay + tremolite	75	6	4	14	3	6	<3	<10	27	12	<5	69	16	60							1 t/o sample ~m 36
4152	316 N 292 E	01/07/80		30	27.5	dolomite	clay	65	3	<3	60	11	3	<3	<10	33	8	<5	60	41	60							
4153	316.5 N 292 E	01/07/80		40	38	silica cap over dolo, + chl schist	clay	55	35	5	70	18	5	18	<10	125	39	12	285	94	40		37m	2+		3x		peak cut off at bottom.
4154	317 N 292 E	01/07/80		36	34	silica cap over dolomite	clay	55	<3	<3	8	18	<3	<3	<10	3	3	<5	26	8	40							
4155	317.5 N 292 E	01/07/80		22	19.5	silica cap over dolomite	clay	55	11	5	14	19	4	<3	<10	65	13	10	52	11	30							
4156	318 N 292 E	01/07/80		36	19	cap over dolomite	clay	50	<3	4	10	<3	<3	<3	<10	13	17	<5	51	18	25							
4157	318.5 N 292 E	02/07/80		23	19.5	cap over dolomite	clay	60	6	3	10	15	3	3	<10	22	8	<5	35	12	20							
4158	319 N 292 E	02/07/80		26	22	cap over dolomite	choc brown clay	65	7	6	3	5	4	5	<10	8	5	<5	40	11	30							
4159	314.5 N 292 E	02/07/80		7	5	/	clay + chl schist	75	50 x	16	20	30	8	45	<10	500	60	19	420	57	40							* possible anomaly starting 4.5 m.
4160	314.3 N 292 E	02/07/80		4	3	/	lat clay	75													50							
4161	320 N 290 E	02/07/80		26	24.5	seric qtz chlorite schist	clay + schist	80	11	18	20	13	90	<3	<10	72	43	<5	49	27	80							

An 8 2010

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Anom. B Zone

KY recon.

Anom. B - Zone

Ky SE

Ky NW

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)											RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF U_3O_8	XRF Th	XRF Y	XRF Sr	XRF Rb	XRF Pb	XRF Bi	AAS Cu	AAS Zn	AAS Pb	AAS Ni	AAS Co	DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4162	319 N 280 E	02/07/80	RAB	14	12.5	chl. ser. qtz schist	clay + schist	70	6	25	30	11	160	<3	<10	16	39	7	40	26	40		6.5	0.5		2x		1:1½o sample at m 13-14
4163	318 N 280 E	02/07/80		12	10.5	chl. ser. qtz schist	clay + schist	60	.8	25	20	15	110	15	<10	5	19	<5	22	13	50							1:1½o sample at m 12
4164	317 N 280 E	02/07/80		10	8.5	chl. ser. qtz schist	clay + schist	70	6	15	20	4	90	4	<10	13	46	<5	32	27	50							
4165	321 N 276 E	02/07/80		20	18.5	chl. ser. qtz schist	clay + schist	70	7	14	15	6	70	<3	<10	16	10	10	10	7	40							1:1½o sample at m 18-19
4166	322 N 276 E	02/07/80		12	10.5	chl. ser. qtz. schist	clay + schist	80	11	25	30	12	120	4	<10	11	8	5	20	8	40							1:1½o sample at m 11-12
4167	323 N. 276 E	02/07/80		16	14.5	chl. ser qtz. schist	clay + schist	80	<3	20	30	19	110	<3	<10	10	3	<5	10	8	50							
4168	324 N 276 E	02/07/80		32	28.5	/	clay + brown clay	20	10	<3	15	75	4	13	<10	182	123	15	240	185	40		23.3 26	0.8 0.5		3x 3x		1:1½o sample at m 24-25
4169	325 N 276 E	03/07/80		10	8.5	[illegible]	clay amph.	55	<3	11	17	9	<3	<3	<10	180	55	<5	500	77	10							1:1½o sample at m 9-10
4170	326 N 276 E	03/07/80		28	24	quartzite ppy carb. over dolo?	brown clay	~90	4	<3	6	<3	3	6	<10	3	3	8	32	12	30		9.2	0.5	2½x	4½x		1:1½o sample at m 15-16-26-27
4171	327 N 276	03/07/80		16	14.5	Ser. chl. qtz. schist	clay + schist	55	8	10	25	9	<3	<3	<10	8	88	<5	215	67	30							1:1½o sample at m 14-16
4172	328 N 276 E	03/07/80		16	14.5	ser. chl qtz. schist	clay schist	75	<3	19	8	8	6	8	<10	7	62	11	78	65	20							
4173	329 N 276 E	03/07/80		8	5	/	yellow brown clay	80	4	3	35	3	3	<3	<10	8	2	<5	17	7	20							Hole too close to Creek - re spotted @ 328.75 N
4174	328.75 N 276 E	03/07/80		40	26.5	cap over dolomite	clay + sericl schist	90	<3	4	5	5	4	<3	<10	4	17	<5	38	18	40							
4175	330 N 276 E	03/07/80		16	2.9	/	sandy clay	90	<3	<3	45	9	3	<3	<10	6	<2	<5	13	4	/							hole caved ? paleo channel ?
4176	331 N 276 E	03/07/80		26	24	cap over dolomite	clay + sericl schist	85	3	3	7	<3	<3	<3	<10	89	7	<5	32	24	40							
4177	334N 272E	4/07/80	RAB/ POH	50	49	Regolith	~~~	45	10	12	85	55	85	15	<10	3	10	11	62	21	43							48m POH - 4½ hrs
4178	334+50N 272	04/07/80	POH	30	29	"		45	13	10	400	70	50	45	<10	13	13	15	49	23	55							30m POH - 2½ hrs
4179	336N 272E	05/07/80	V	20	19	Sandstone		50	4	4	4	8	16	<3	<10	3	<2	<5	11	4	10							20m POH - 2½ hrs

340

320.4

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: BOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4180	338N 272-40E	05/07/80	PDH	24	23	Regolith		70	<3	<3	5	12	11	<3	<10	<2	2	2	15	4	55							24m PDH - 18hrs.
4181	335+50N 270E	08/07/80	RAB	16	12	Intrusive		80	13	30 x	50	60	110 x	16	<10	7	17	14	42	27	90								
4182	335N 270E	08/07/80		10	8.5	Dolomite		80	4	19	14	35	60	<3	<10	<2	8	17	25	18	65								
4183	334.5N 270E	08/07/80		7	5	Intrusive schist		70	7	25 x	5	45	110 x	<3	<10	<2	3	10	10	7	50	x2	03					Metasediments
4184	334N 270E	08/07/80		7	6	"		95	7	17	4	40	130 x	<3	<10	<2	3	8	11	7	33							"
4185	341+50N 266E	08/07/80	RAB/DDH	24	22.5	Regolith		70	<3	15	65	4	85	<3	<10	<2	7	10	28	16	50							2m PDH - 1hr.
4186	341N 266E	04/07/80	RAB	20	19.5	"		70	13	16	550	7	140	11	<10	<2	4	15	23	13	60	x5	25.5				X	
4187	340+50N 266E	"		9	7.5	Intrusive		75	25	14	0.18 % x	35	<3	20	<10	<2	11	20	113	22	30	x4	7.1				X	
4188	340 N 266E	"		20	11	Sil. Dol		75	<3	<3	160	<3	5	<3	<10	6	3	13	31	12	24							
4189	339+50N 266E	"		5	3	Dol.		90	<3	<3	30	8	3	<3	<10	8	4	10	28	10	15							
4190	339 N 266E	"		5	2.8	Dol.		75	11	<3	55	4	4	18	<10	29	17	17	92	50	40							
4191	338+50N 266E	"		5	4	Dol.		90	<3	3	120	40	5	5	<10	9	12	5	49	32	22							
4192	338N 266E	"		14	12	Granite Chlorite Schist		70	7	11	65 x	25	50	<3	<10	10	20	7	78	34	25							
4193	337+50N 266E	"		15	13.5	"		85	4	6	35	45	19	4	<10	3	27	8	150	62	30							
4194	337N 266E	"		18	16.5	"		65	7	8	30	40	75	3	<10	565 x	32	<5	141	115 x	30							
4195	336+50N 266E	"		12	9	"		70	16	10	30	60 x	85	16	<10	325	39	10	215 x	255 x	30							
4196	336N 266E	"		16	11	"		80	4	7	100 x	40	90	20	<10	64	28	2	160	112 x	30							
4197	335+50N 266E	"	V	14	10.5	"		70	16	10	25	70	35	<3	<10	70	67	<5	101	68	35							

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)												RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF U_3O_8	XRF Th	XRF Y	XRF Sr	XRF Rb	XRF Pb	XRF Bi	AAS Cu	AAS Zn	AAS Pb	AAS Ni	AAS Co	DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4198	335N 266E	09/07/80	RAB	21	14	Sericite Chlorite Schist		75	20 x	7	25	8	80	11	<10	390 x	60	14	385 x	185 x	30	x45	2-0		X			
4199	335N 254E	09/07/80	"	22	20	"		25	.6	<3	20	30	<3	10	10	205	70	12	425 x	92								
4200	332+50N 262E	"	"	22	20	"		80	18 x	7	25	25	3	18	<10	225	60	20	725 x	140 x								
4201	339N 262E	"	"	22	4.5	"		25	13	13	19	7	30	17	<10	60	22	18	325 x	87								
4202	335+50N 262E	"	"	8	2.5	"		70	8	20	60 x	35	170	5	<10	8	32	20	43	32								
4203	330+50N 262E	"	RAB/RDH	10	8	[illegible]		25	11	11	610 x	14	<3	5	<10	<2	12	12	118	10								
4204	328+50N 262E	"	"	12	11	[illegible]		10	4	4	40	40	<3	<3	<10	<2	10	11	48	14								
4205	340N 262E	"	RAB	11	2.5	[illegible]		60	7	25	35	45	20	14	<10	<2	16	<5	30	14								
4206	340+50N 262E	11/07/80	"	13	3.5	"		80	14	30	55 x	45	240	12	<10	<2	17	<5	53	20								
4207	341N 262E	"	"	6	3.5	"		70	15	25	35	50	240	25	<10	2	13	20	27	12								
4208	341+50N 262E	"	"	7	6	[illegible]		40	8	11	12	50	140	<3	<10	2	10	15	23	11								
4209	342N 262E	"	"	6	3.9	[illegible]		100	4	19	19	70	170 x	4	<10	4	17	14	18	10								
4210	343N 262E	"	"	4	2.5	[illegible]		80	3	25 x	<3	95 x	110 x	<3	<10	2	9	<5	16	8								
4211	343+50N 262E	"	"	5	3	Dike		40	3	20	15	<3	<3	<3	<10	5	28	<5	32	13								
4212	344N 260E	"	"	4	2	[illegible]		70	<3	20	30	50	130 x	6	<10	<2	8	10	10	9								
4213	343N 260E	"	"	2	1	[illegible]		40	3	25 x	80	40	160 x	5	<10	3	10	16	13	9								
4214	342N 260E	"	"	3	1	[illegible]		50	5	25 x	12	35	200 x	9	<10	5	12	19	20	11								
4215	341+50N 260E	"	"	7	7	[illegible]		50	5	25	50 x	35	370 x	11	<10	2	10	9	23	14								

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)												RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF U_3O_8	XRF Th	XRF Y	XRF Sr	XRF Rb	XRF Pb	XRF Bi	AAS Cu	AAS Zn	AAS Pb	AAS Ni	AAS Co	BOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
216	341N 260E	6/07/80	RAB	8					4	25	50 x	30	210	<3	<10	3	8	9	36	12								
217	340+50N 260E	"	"	4					7	20	25	35	160	7	<10	8	60	16	50	32								
218	340N 260E	"	"						6	25	25	25	160	4	<10	38	59	16	47	35								
219	339+50N 260E	"	"						8	15	20	12	110	5	<10	82	53	6	38	27								
220	339N 260E	"	"						11	25	25	25	150	16	<10	23	71	9	41	25								
221	338+50N 260E	"	"						3	20	19	14	150	8	<10	27	18	15	33	20								
222	338N 260E	"	"													54	65	<5	270 x	20								
223	337+50N 260E	2/07/80	"	22		chloritic sericite schist		90	9	17	15	14	85	<3	<10	5	17	7	31	16								
224	337N 260E	"	"	22	20.5	carbon. chlorite schist.		75	13	12	9	11	25	<3	<10	2	8	34	27	13	60							
225	336+50N 260E	"	"	24	22.5	sericitic qtz-chl. schist		85	3	8	8	7	55	<3	<10	12	10	14	20	10	50							
226	336N 260E	"	"	22	20.5	carbon. qtz-chl schist		65	4	18	17	9	110 x	<3	<10	<2	7	8	18	9	50							
227	335+50N 260E	"	"	21	19.5			70	15	30 x	25	25	140 x	5	<10	7	39	15	49	40	50							
228	335N 260E	"	"	20	18.5	chl. ser. schist		70	6	15	25	20	180	<3	<10	69	47	5	52	28	50							
229	334+50N 260E	"	"	27	26	"		70	3	17	18	18	130	<3	<10	53	12	23	26	17	55							
230	334N 260E	"	"	20	18	"		60	8	30	30	15	160	3	<10	33	66	21	58	45	50.							
231	337 N 264 E	14/07/80	RAB	12	10.5	carb s.stone	seric schist	75	12	14	30	15	95 x	18	<10	23	21	14	53	18	30							
232	336+50 N 264 E	14/07/80	↓	24	22	dolomite	limonitic weathered rock	80	10	8	30	30	6	80 x	<10	500	122	90	695 x	155	40							
233	336 N 264 E	14/07/80		27	19.5	chl ser schist + dolomite?	chlorite sericite schist	60	17	13	370 x	40	35	19	<10	72	53	6	250	43	30				2x			

KyNW

A.B-Zone.

KyNW

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)													RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF							AAS						DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
									U_3O_8	Th	Y	Sr	Rb	Pb	Bi	Cu	Zn	Pb	Ni	Co								
4234	335+60 N 264 E	14/07/80	RAB	27	18.5	chlorite ser schist dolomite	ser schist	55	12	16	40	40	55	45	<10	210	82	24	111	113 X	20		6.0	0.7		2.5		
4235	335 N 264 E	14/07/80		21	18.5	chlorite sericite schist	chlorite sericite schist	65	3	12	30	18	65	25	<10	72	84	14	90	67	30							
4236	334+50 N 264 E	14/07/80		25	22.5	chlorite schist	Carbon. siltstone schist	60	<3	12	30	20	20	20	<10	68	92	14	129	81	30				2×			
4237	332 N 270 E	14/07/80		20	17.5	chlorite schist	schist	65	3	[illegible]	30	9	6	11	<10	85	64	30	190	43	30							Amphibolite
4238	332+50 N 270 E	14/07/80		14	12	chlorite schist	chlorite schist	35	7	10	[illegible] X	25	4	16	<10	13	29	13	140	28	20							
4239	333 N 270 E	14/07/80		11	9.5	chlorite schist	silt + chl schist	45	4	[illegible]	35	14	3	14	<10	12	42	7	480	53	20							
4240	333+50N 270E	15/07/80		15	13	chlorite schist + sil. dol.	chl. sch.	75	7	8	75	19	13	10	<10	34	48	13	175	3	28							
4241	333N 272E	"		7	4.5	qtz. ser. sch.	ser. silst	50	<3	25	3	45	130 X	4	<10	3	3	8	12	7	40							
4242	332N 272E	"	RAB/ POH	17	12	dolo.	chert + silfst	65	5	9	90	35	14	<3	<10	8	10	18	52	10	40							POH - 8m (½hr)
4243	331 N 272E	"	RAB/ POH	40	11.5	sil dol	chert + silfst	60	7	9	35	30	30	25	<10	10	18	50	83	18	38							POH - 14m (1½hr)
4244	330N 272E	"	RAB	16	14.5	chl. sch.	chl. sch.	65	<3	[illegible]	10	16	[illegible] X	10	<10	10	18	<5	121	22	26							Amphibolite
4245	329N 272E	"		20	6	carbon. shale	carbon. shale	60	10	11	30	45	35	25	<10	140	83	18	240	113	32							
4246	328N 272E	16/07/80		32	21.5	carbi. sh. + sil. dol.	carbon. shale	60	5	14	14	65	25	20	<10	27	21	20	165	48	26							
4247	326-10N 272E	"		19	2	Sil Dol	clay + silt	65	7	7	5	4	13	50 X	<10	36	27	48	73	25	25							1+8m RAB)
4248	325N 272E	"		13	11.5	Dol.	carb. shale	65	<3	14	16	25	11	20	<10	330	54	22	89	74	30							
4249	327N 272E	"		16	1.5	Sil. Dol. ?	sand + clay	55	6	14	5	9	17	19	<10	30	32	25	67	29	20							may be alluvial gravel.
4256	331N 302E	"		27	25.5	Ser. qtz. chl. sch	clay + chl. sch.	70	<3	17	15	35	160 X	3	<10	43	127	5	92	53	20							Celia dolo.
4251	325N 300E	"	↓	31	29	[illegible]	clay + chl. silfst	70	3	17	25	30	100 X	3	<10	8	12	7	103	26	45							

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Ky - recon.

Ky SE

Ky SE - Sol

Ky SE

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)													RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF U_3O_8	XRF Th	XRF Y	XRF Sr	XRF Rb	XRF Pb	XRF Bi	AAS Cu	AAS Zn	AAS Pb	AAS Ni	AAS Co	DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4252	324N 300E	16/07/80	RAB	21	18.5	chl. siltstone (regolith)	clay + quartz silt +	50	<3	15	25	10	110	7	<10	8	13	12	67	18	35	x2	7.0m					
4253	323N 300E	17/07/80	"	18	16.5	"	"	60	.3	19	25	20	75	20	<10	2	120	7	122	72	45							
4254	322.15N 300E	"	"	26	24	sericite chlorite schist	"	45	5	13	40	10	17	15	<10	7	132	<5	200	47	26							
4255	320N 300E	"	RAB	4	—	qzite		55	<3	13	9	55	35	<3	<10	4	8	<5	18	7	—							had to be retrieved by PDH.
4256	320N 300E	"	PDH	37	36	qzite (D.C.F.m?)		55	<3	<3	14	15	16	11	<10	7	8	<5	22	3	35							37m PDH (D.H.)
4257	318N 300E	"	RAB	39	36	qzite (D.C.F.m?)		55	12	8	150	30	17	19	<10	33	20	9	180	83	36							
4258	329N 278E	"	"	11	8	Dol	clay	75	6	25x	140	35	55	17	<10	71	32	22	185	38	45							
4259	328N 278E	"	"	6	4.5	Dol	clay + qzite	100	<3	8	70	50	15	<3	<10	27	18	25	98	26	30							
4260	327N 278E	"	"	14	12	Dol	clay + qzite	60	<3	3	30	25	<3	<3	<10	30	26	19	68	52	30							
4261	326N 278E	"	"	16	13.5	Sil Dol	clay + qzite	100	<3	12	65	30	8	50x	<10	61	32	40	175	48	30	x6	2.0					
4262	325N 278E	18/07/80	"	20	18.5	sericite chl.-sch.	clay + weathered sch.	85	12	11	25	30	9	25	<10	12	125	9	235	63	100	x2	8.0					
4263	324N 278E	"	"	22	20	Dol	chl. sch + clay	50	4	<3	20	12	<3	20	<10	320	52	23	600x	90	40							
4264	323N 278E	"	"	18	16.5	[illegible]	clay weathered sch	45	<3	9	19	25	<3	10	<10	52	63	16	410	56	10							Amphibolite
4265	322N 278E	"	"	26	17	[illegible]	clay	90	11	25x	65	13	120x	19	<10	68	17	19	45	18	74							
4266	321N 278E	"	"	22	19.5	[illegible]	"	10	7	9	13	11	18	40	<10	27	28	32	33	103	52							
4267	320N 278E	"	"	10	28.5	[illegible]	"	45	7	25x	15	8	95x	<3	<10	16	12	45	22	7	48							
4268	319N 278E	"	"	3	25	[illegible]	"	2	7	25x	25	20	210x	6	<10	11	21	9	30	10	42							
4269	323N 290E	"	"	24	36.5	[illegible]	[illegible]	50	4	4	13	3	4	<3	<10	6	4	32	20	7	28							

Spring Creek

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)													RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF U_3O_8	XRF Th	XRF Y	XRF Sr	XRF Rb	XRF Pb	XRF Bi	AAS Cu	AAS Zn	AAS Pb	AAS Ni	AAS Co	DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4323	336.5N 257E	19.8.80	RAB	12	10.5	sericite qtz.-schist	—	95	<3	15	20	20	310 x	360 x	<10	34	210	390 x	35	14	60								
4324	337N 257E	19.8.80	RAB	12	10.5	sericite qtz.-schist	sandy soil	90	7	30	25	25	160	30	<10	84	66	29	39	23	50								
4325	337.5N 257E	19.8.80	RAB	12	10.5	sericite qtz.-schist	sandy soil	75	12	25	35	14	190	20	<10	25	33	5	36	23	50								
4326	337.5N 255E	19.8.80	RAB	12	10.5	sericite qtz.-schist	sandy soil	80	9	25	30	50	240	45	<10	48	150	41	42	16	60								
4327	338N 253E	19.8.80	RAB	14	13	sericite qtz.-chlorite schist	clay	90	7	16	25	50	110	25	<10	19	60	30	19	10	50								
4328	338.5N 253E	19.8.80	RAB	14	13	sericite qtz.-schist	clay	90	<3	20	18	30	110	25	<10	45	37	25	22	18	50								
4329	339N 253E	19.8.80	RAB	14	12.5	sericite qtz.-schist	silty soil	100	9	25	25	30	230	40	<10	33	94	35	38	15	50								
4330	339.5N 253E	19.8.80	RAB	18	16.5	sericite qtz.-chlorite schist	silty soil	80	8	20	35	18	140	10	<10	100	63	16	23	26	50								
4331	340N 253E	19.8.80	RAB	12	10.5	sericite qtz.-schist	silt	80	6	20	30	25	150	5	<10	22	38	6	27	16	50								
4332	340.5N 253E	19.8.80	RAB	26	23.5	silt-dolomite	former schist	80	8	7	18	25	20	17	<10	50	56	17	113	34	50								lithosamples at m 18-19 & 25-26
4333	341N 253E	19.8.80	RAB	20	18.5	Amphibolite	sandy soil	90	<3	5	25	45	[redacted] x	60	<10	79	142	56	178	35	30								lithosample at m 19-20
4334	341.5N 253E	19.8.80	RAB	34	32.5	Amphibolite	clay	100	[redacted]	[redacted]	20	12	5	55	<10	148	76	19	210	49	60								lithosample at m 31-32
4335	342N 253E	20.8.80	RAB	30	26	silt-Dolom.	clay	75	30	4	35	25	5	10	<10	15	49	5	16	76	50								
4336	342.5N 253E	20.8.80	RAB	22	20.5	silt-Dolom.?	clay	70	6	<3	<3	3	3	<3	<10	15	7	9	41	6	40	2.75 / 2.6 x	17 / 19.6	1 / 1		2.75 / 2.6			
4337	346N 255E	20.8.80	RAB	16	15	sericite qtz.-schist	—	95	12	25	25	40	160	17	<10	5	41	5	35	15	60								
4338	345N 255E	20.8.80	RAB	24	22.5	sericite qtz.-schist	—	80	8	20	30	35	150	9	<10	4	27	<5	53	30	50								
4339	344N 255E	20.8.80	RAB	26	25	sericite qtz.-schist	silty soil	100	11	16	19	16	120	<3	<10	5	23	<5	25	7	50								
4340	343N 255E	20.8.80	RAB	20	19.5	sericite qtz.-schist	silty soil	75	338 ppm	14	17	30	80	<3	<10	9	19	6	26	14	50								

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Spring Creek

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)												RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF							AAS					DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
									U_3O_8	Th	Y	Sr	Rb	Pb	Bi	Cu	Zn	Pb	Ni	Co								
4341	342 N 255 E	20.8.80	RAB	34	31	sericite chlorite qtz schist		70	<3	11	7	30	25	25	<10	67	33	11	45	7	50							
4342	341.5 N 255 E	20.8.80	RAB	26	205	silicified dolomite	clay	55	7	<3	9	3	4	<3	<10	25	44	5	65	41	40							
4343	341 N 255 E	20.8.80	RAB	22	205	silicified dolomite	clay	65	<3	<3	<3	<3	<3	4	<10	6	7	<5	26	9	50							
4344	340.5 N 255 E	20.8.80	RAB	24	21	silicified dolomite	clay	60	5	<3	<3	<3	<3	<3	<10	6	5	<5	15	4	30							
4345	340 N 255 E	21.8.80	RAB	20	17.5	silicified dolomite	clay	80	9	8	16	3	3	<3	<10	11	8	<5	40	11	50							
4346	339.5 N 255 E	21.8.80	RAB	26	24.5	silicified dolomite	clay	70	25	13	30	35	6	120 x	13	400	43	90	730 x	230	30							
4347	339 N 255 E	21.8.80	RAB	14	12.5	sericite qtz schist	weath. schist	60	13	25	17	30	140	9	<10	4	25	<5	30	16	60							
4348	338.5 255 E	21.8.80	RAB	7	5.5	sericite qtz schist		75	10	25	20	14	95	6	<10	67	20	7	22	11	50							lithosample at 6-7m
4349	338 N 255 E	21.8.80	RAB	14	12.5	sericite qtz schist	weath. schist	75	13	25	35	19	280	16	<10	215	57	16	66	92	50							
4350	338 N 257 E	21.8.80	RAB	18	16.5	sericite qtz schist	weath. schist	70	6	20	25	35	220	15	<10	62	88	<5	77	100 x	60							
4351	338.5 N 257 E	21.8.80	RAB	8	6.5	—	clay.	70	7	14	9	3	25	16	<10	25	5	26	6	4	40							lithosample at 7-8m
4352	339 N 257 E	21.8.80	RAB	24	23	silicified dolomite	clay	70	9	7	18	5	11	11	<10	21	7	<5	65	10	50							
4353	339.5 N 257 E	21.8.80	RAB	20	18.5	silicified dolomite	clay	70.	40 x	18	18	8	25	60 x	<10	161	26	52	102	31	40	2x / 2x	14 / 17.5	1 / 1		2x	2x	
4354	340 N 257 E	21.8.80	RAB	18	16	fresh dolomite	clay	70	7	11	3	5	10	6	<10	10	5	6	19	7	40							
4355	341 N 251 E	22.8.80	RAB	14	12.5	sericite qtz schist	weathered schist	95	6	20	25	35	160	18	<10	55	34	6	33	20	50							
4356	343 N 251 E	22.8.80	RAB	20	19.5	silicified dolomite	clay	90	17	10	20	15	8	20	<10	148	36	8	380	78	40							
4357	343.5 N 251 E	22.8.80	RAB	18	16.5	silicified dolomite	clay	90	17	12	60	11	25	<3	<10	6	22	<5	62	14	40							
4358	348 N 250 E	22.8.80	RAB	22	21	sericite qtz schist	weathered schist	80	9	25	30	45	120	<3	<10	12	5	<5	17	3	50							

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Spring Creek

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)												RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF							AAS					DOWNHOLE BG	PEAK x BG	PEAK DEPTH	%HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
									U_3O_8	Th	Y	Sr	Rb	Pb	Bi	Cu	Zn	Pb	Ni	Co								
4359	347 N 250 E	22.8.80	RAB	16	14.5	silicified dolomite	clay	125	12	<3	19	25	<3	5	<10	280	25	5	250	35	50							
4360	346 N 250 E	22.8.80	RAB	24	22.5	silicified dolomite	clay	80	.7	4	12	4	<3	<3	<10	14	13	5	47	13	45							
4361	345 N 250E	22.8.80	RAB	10	8.5	sericite qtz. schist	weath. schist/clay	65	9	20	25	30	200	20	<10	19	32	6	34	11	50							
4362	340N 250E	22.8.80	RAB	10	1	sericite qtz. schist	weath. schist	55	8	20	30	25	240	25	<10	52	53	25	26	17	45							
4363	339 N 250 E	22.8.80	RAB	14	13	sericite qtz. schist	weath. schist	60	4	20	21	12	220	<3	<10	81	32	<5	22	16	50							
4364	338 N 250E	22.8.80	RAB	16	14.5	sericite chlorite qtz. schist	weath. schist	70	5	19	20	30	170	30	<10	24	43	16	19	10	40							
4365	337 N 250E	22.8.80	RAB	14	13	sericite chlorite qtz. schist	weath. schist	110	11	20	17	65x	160	16	<10	9	41	17	22	24	50							lithosample at m 13-14
4366	336 N 250E	22.8.80	RAB	12	11	sericite chlorite qtz. schist	weath. schist	70	12	30	30	30	340x	55	12	46	90	38	34	19	60							lithosample at m 9-10
4367	335 N 250 N	22.8.80	RAB	10	9	sericite qtz. schist	weath. schist	80	9	25	<3	25	230	25	<10	25	64	9	35	24	60							
4368	334 N 250E	22.8.80	RAB	14	13	sericite chlorite qtz. schist	weath. schist	75	5	20	25	17	170	7	<10	25	47	6	20	10	40							lithosample at m 13-14
4369	341.5 N 248 E	22.8.80	RAB	16	15	sericite chlorite qtz. schist	weath. schist	80	9	15	20	18	150	16	<10	130	39	20	35	21	50							
4370	342 N 249 E	22.8.80	RAB	10	9	sericite qtz. schist	weath. schist	75	11	25	25	30	170	25	<10	49	34	6	32	13	50							
4371	342.5N 249E	23.8.80	RAB	14	12.5	sericite qtz. schist	weath. schist	90.	12	25	25	20	220	5	<10	33	46	5	26	12	50							
4372	343 N 249E	23.8.80	RAB	11	9.5	[illegible]	weath. [illegible]	60	4	5	15	25	<3	13	<10	140	53	14	650	100	5							lithosample at m 10-11
4373	343.5N 249 E	23.8.80	RAB	34	31	si[illegible] dolomite	clay	90	9	<3	14	14	11	9	<10	39	20	5	87	24	50							
4374	344N 249E	23.8.80	RAB	26	22	[illegible] dolomite	clay	95	30	14	130	50	30	7	<10	88	40	17	132	88	50							
4375	344.5N 249E	23.8.80	RAB	26	20.5	silicified dolomite	clay	80	12	10	140	30	55	<3	<10	12	26	5	105	29	50							
4376	345 N 249E	23.8.80	RAB	14	13	sericite qtz. schist	weath. schist	75	17x 29	18	19	20	40	11	11	137	45	25	78	60	50							

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS					SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.)												RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL		XRF							AAS					DOWNHOLE BG	PEAK x BG	PEAK DEPTH	HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
									U_3O_8	Th	Y	Sr	Rb	Pb	Bi	Cu	Zn	Pb	Ni	Co								
4377	350 N 247 E	23.8.80	RAB	36	34.5	silicified dolomite	clay	60	7	4	25	85 X	4	6	12	73	36	11	104	22	50								
4378	349 N 247 E	23.8.80	RAB	14	13	silicified dolomite	weath. sslist/ clay	80	6	<3	3	<3	<3	<3	<10	13	7	5	20	2	40								
4379	348 N 247 E	23.8.80	RAB	15	14	ferr. dolomite	clay	85	7	5	15	18	9	6	<10	16	26	6	68	45	40								
4380	347 N 247 E	23.8.80	RAB	14	12.5	sericite qtz. schist	clay, weath. schist	100	11	4	30	45	19	6	<10	61	23	16	71	15	70								
4381	346 N 247 E	25.8.80	RAB	17	14.5	ferr. dolomite	clay	95	12	16	35	10	40	10	<10	37	50	12	115	22	30								
4382	345.5 N 247 E	25.8.80	RAB	16	13.5	silicif. dolomite?	clay	105	30	5	110	6	<3	110 X	50	580	139	102	655 X	93	60								
4383	345 N 247 E	25.8.80	RAB	18	15	sericite qtz. schist	weath. schist	110	30 X	18	30	25	240	65	<10	107	198	61	52	21	60	2x	1	1	2x			
4384	344.5 N 247 E	25.8.80	RAB	11	9.5	sericite qtz. schist	weath. schist	90	3	20	25	30	160	35	<10	29	110	36	36	18	60								
4385	344 N 247 E	25.8.80	RAB	8	7	sericite qtz. schist	weath. schist	80	5	17	20	25	190	<3	<10	49	65	17	62	21	50								
4386	343.5 N 247 E	25.8.80	RAB	12	10.5	sericite qtz. schist	weath. schist	80	6	25	25	20	170	9	<10	19	21	11	32	17	50								
4387	343 N 247 E	25.8.80	RAB	12	11	sericite qtz. schist	weath. schist	90	10	30	30	20	280 X	40	10	26	102	39	106	57	50								
4388	342.5 N 247 E	25.8.80	RAB	8	6.5	sericite qtz. schist	weath. schist	90	9	25	30	40	180	40	<10	42	47	14	38	18	55								
4389	344 N 245 E	25.8.80	RAB	12	10.5	sericite qtz. chloritoid schist	weath. schist	85.	11	35 X	30	30	190	30	<10	19	62	15	12	9	60								
4390	344.5 N 245 E	25.8.80	RAB	10	9	sericite qtz. schist	weath. schist	85	12	30	30	30	190	17	<10	11	51	6	36	21	50								
4391	345 N 245 E	25.8.80	RAB	14	13	sericite qtz. schist	weath. schist	100	3	20	17	13	200	30	<10	135	61	35	43	64	60								
4392	345.5 N 245 E	25.8.80	RAB	12	10.5	sericite qtz. schist	weath. schist	125	10	25	30	70 X	190	7	14	27	32	25	67	44	70								1:1 fg sample at m 2-3
4393	346 N 245 E	25.8.80	RAB	16	15	sericite qtz. schist	weath. schist	100	12	25	25	30	190	40	<10	54	64	81	32	24	55								
4394	346.5 N 245 E	25.8.80	RAB	12	4 (22.5)	sericite qtz. chloritoid schist	weath. schist	105	12	20	20	20	150	15	<10	61	230	23	29	14	40								

Spring Creek

Spring Creek

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)												RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF							AAS					DOWNHOLE BG	PEAK x BG	PEAK DEPTH	HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
									U_3O_8	Th	Y	Sr	Rb	Pb	Bi	Cu	Zn	Pb	Ni	Co								
4395	347 N 245 E	25.8.80	RAB	16	14	sericite qtz. chloritic schist	clay	120	10	17	20	30	160	18	<10	46	137	13	52	15	50							
4396	347.5N 245 E	25.8.80	RAB	16	145	sericite qtz schist	clay	95	6	14	18	50	120	150 x	<10	39	170	150	26	13	40							
4397	352 N 243 E	25.8.80	RAB	26	24	sericite qtz. schist	clay	70	14	17	20	30	90	20	<10	80	31	6	26	15	60							
4398	351 N 243 E	26.8.80	RAB	14	13	sericite schist	clay	100	<3	17	30	25	180	7	<10	59	49	6	26	6	50							
4399	350 N 243 E	26.8.80	RAB	10	9	carbon.? qtz. sericite schist	clay	95	14	20	30	30	150	16	<10	47	68	8	32	23	55							
4400	349 N 243 E	26.8.80	RAB	31	29	carbon.? sericite schist	clay	120	16 x	35 x	25	20	140	90	<10	134	112	69	35	195 x	55							lithosample
4401	348.5 N 243 E	26.8.80	RAB	14	12.5	sericite schist	clay	110	13	30	25	19	190	13	<10	57	77	17	55	61	50							
4402	348 N 243 E	26.8.80	RAB	10	8.5	carbon. sericite schist	clay	85	11	30	35	100 x	250	20	12	55	15	5	19	13	65							
4403	347.5 N 243 E	26.8.80	RAB	14	13	carbon? chloritic? sericite schist	clay	/	12	25	30	30	160	15	<10	50	31	17	57	58	50							
4404	347 N 243 E	26.8.80	RAB	14	13	chloritic? qtz. sericite schist	clay	95	6	20	30	30	180	340 x	<10	62	900 x	330 x	31	21	50							
4405	346.5 N 243 E	26.8.80	RAB	18	16.5	qtz. biotite schist	clay	90	13	20	17	45	95	<3	<10	3	8	5	5	3	45							lithosample at m 16-18
4406	346 N 243 E	26.8.80	RAB	12	10.5	chloritic? sericite schist	clay	85	8	25	25	40	240	25	<10	13	42	8	36	19	60							
4407	345.5 N 243 E	26.8.80	RAB	17	16	qtz. biotite schist	clay	105.	9	19	18	55	95	5	<10	14	34	7	14	5	40							lithosample at m 16-17
4408	345 N 243 E	26.8.80	RAB	14	13	qtz. biotite schist	clay	100	3	14	20	30	150	<3	<10	18	42	16	19	9	45							
4409	354 N 243 E	26.8.80	RAB	14	13	carbon. sericite schist	clay	75	14	20	25	70 x	110	10	<10	3	30	7	27	6	60	2x	6.8	1		2x		
4410	355 N 243 E	26.8.80	RAB	10	8.5	carbon. schist	clay	75	20	30 x	30	60	110 x	16	<10	2	5	14	2	<2	80							
4411	344 N 243 E	26.8.80	RAB	13	11.5	qtz. biotite schist	clay	80	10	19	18	25	130	15	<10	38	26	10	24	13	50							
4412	343 N 243 E	26.8.80	RAB	13	240 11.5	qtz. biotite schist	clay	80	11	17	16	85	130	3	<10	7	17	7	11	7	45							

Spring Creek Anom. 8 - Zone

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4413	342N 243E	27/08/80	RAB	16	14.5	qtz-biot. sch.	sand	110	8	20	20	55	140	25	<10	17	80	16	14	9	50							li/so sample at m 15-16
4414	341N 243E	"	"	12	11	chlorite ser. sch.	clay	115	15	30	35	20	300x	7	<10	14	76	<5	32	21	55							
4415	340N 243E	"	"	10	9	ser. chl. sch.	clay	70	12	30	35	40	290x	30	<10	42	59	7	25	18	50							
4416	339N 243E	"	"	9	8	chl. ser. sch.	clay	60	8	30	25	35	240	14	<10	30	70	11	25	15	60							
4417	338N 243E	"	"	19	17.5	qtz-biot. sch.	sand	50	4	20	20	40	180	25	<10	19	39	26	21	9	45							
4418	323+50N 294 E	08/09/80	RAB	14	14	silica dolo	clay	50	5	<3	16	7	<3	<3	<10	2	42	<5	60	2	15							
4419	323 N 294 E	08/09/80	"	48	31	silica over dolomite	clay + carb siltstones	50	6	<3	10	11	7	<3	<10	12	32	<5	96	29	40							
4420	322+50 N 294 E	08/09/80	"	27	25	silica over dolomite	clay + siltstone	60	<3	<3	5	<3	5	<3	<10	98	71	<5	49	14	30		9	2		4x		
4421	322 N 294 E	08/09/80	"	44	37	silica over dolomite	clay siltstone	70	<3	<3	<3	<3	<3	<3	<10	10	6	<5	19	5	30							
4422	321+50N 294 E	08/09/80	"	42	35	silica over dolomite	clay + carb siltstone	75	7	6	20	7	6	<3	<10	16	2	<5	26	17	30		10 to 26m			2x		peak corresponds to boom / black clay + carb mud silt.
4423	321 N 294 E	08/09/80	"	36	25	Fine dolomite	clay + carb siltstones	75	<3	7	35	45	35	<3	<10	26	14	8	57	9	40							litho sample @ 36
4424	320+50N 294 E	09/09/80	"	13	12	H?Bio silic dol?	clay + "dolzy" siltstones	70	4	20	14	40	80	<3	<10	6	6	<5	57	7	40							
4425	320 N 294 E	09/09/80	"	21	19½	silic dolo.	clay + siltstone	75.	4	5	8	20	30	7	<10	10	20	<5	61	50	40							
4426	317+50 N 294	"	"	20	18.5	carb dolo?	clay + carb sist or dolo	80	7	18	35	60	45	<3	<10	6	3	<5	20	4	40							
4427	317 N 294 E	"	"	20	18.5	silic pty carb dolo	clay	75	8	20	25	55	80	<3	<10	3	7	6	6	<2	40							
4428	316+50 N 294 E	"	"	30	26	carb shale	clay + siltstone	65	7	15	25	45	75	<3	<10	3	4	5	4	2	50							litho sample @ 30
4429	316 N 294 E	"	"	4	4	carb dolo	lat.	70	4	25x	35	30	90x	<3	<10	2	<2	<5	3	<2	50							
4430	315+50 294	"	"	12	11.5 337	dolo	clay + carb silt	75	5 331	15	40	25	45	<3	<10	3	7	<5	6	2	50							

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)													RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF							AAS						DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
									U_3O_8	Th	Y	Sr	Rb	Pb	Bi	Cu	Zn	Pb	Ni	Co								
4431	315 N 294 E	09/09/80	RAB	26	25	silic cap over dolomite	clay	30	13	<3	15	30	15	<3	<10	26	8	<5	40	8	40		20½	5½		5x		
4432	314+50N 294 E	"	"	44	43	silic dolo	clay	70	3	6	15	25	<3	<3	<10	280	61	10	440	48	20							
4433	314 N 294 E	"	"	17	155	silic dolo	clay	35	4	6	40	7	3	<3	<10	16	10	<5	52	6	50							
4434	313+50N 294 E	"	"	24	23	silic dolo	clay	75	5	5	6	<3	7	<3	<10	66	19	<5	78	14	40							
4435	313 N 294 E	"	"	34	29½	silic dolo	clay	70	6	5	6	3	<3	<3	<10	39	10	<5	52	34	30							
4436	312+50N 294 E	"	"	37	27	silic dolo	clay	70	4	<3	4	<3	4	<3	<10	28	9	5	73	23	40		15½	1		5x		
4437	312 N 294 E	10/09/80	"	41	36½	silica cap	clay + serie? schists	70	5	<3	5	3	5	<3	<10	31	24	<5	170	28	30							
4438	312 N 292 E	"	"	34	33	[illegible]	clay	75	7	3	16	30	<3	14	<10	101	250	8	600	110	20							this sample @ 34 Arph.?
4439	312+50N 292 E	"	"	11	9.5	silic dolomite	clay	75	11	7	9	14	<3	11	<10	330	39	17	170	49	25							may have been a boulder.
4440	313 N 292 E	"	"	32	31	?ls ser schist	clay + schist	75	11	10	25	4	3	20	<10	40	47	39	160	43	30							litho sample @ 30m
4441	313+50N 292 E	"	"	24	18½	silica cap + sil dolo	clay + carb dolomite	80	15	13	20	35	25	<3	<10	57	67	15	100	36	40							
4442	314 N 292 E	"	"	30	29	fresh dolomite	clay schists	25	<3	<3	3	5	<3	<3	<10	32	14	8	92	50	40							
4443	313+50N 292 E	"	"	24	22	fresh dolomite	clay	80	7	6	10	6	4	<3	<10	17	14	6	84	34	40							Silic bleached?
4444	320 N 292 E	"	"	15	14	silic chert	clay	65	25	25	25	40	9	12	<10	91	43	31	75	20	40							Litho sample @ 15
4445	320+50N 292 E	"	"	40	39	dolerite	sand + clay	75	5	10	10	150	5	<3	<10	41	4	15	6	<2	20							
4446	321 N 292 E	"	"	22	21		sand + clay	70	<3	14	20	8	20	3	<10	3	4	3	12	2	40		15	2		2x		
4447	321+50N 292 E	11/09/80	"	22	21		sand + clay	60	<3	9	16	12	8	<3	<10	6	4	14	9	2	30							
4448	[illegible] E	"	"	22	20½		sand + clay	65	<3	13	14	13	11	<3	<10	5	5	10	14	2	30							

Area of Zone

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Ti	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4449	322+50 N 292 E	11/09/80	RAB	29	28	/	clay sand silcrete	65	<3	10	14	25	6	<3	<10	5	5	9	16	3	30							
4450	323 N 292 E	"	"	22	21	/	clay sand silcrete	60	6	12	19	45	5	13	<10	5	5	12	3	<2	30							
4451	315 N 288 E	"	"	5	4	Qt3 sericite schist	sand, clay	70	4	25	14	16	75	<3	<10	2	4	6	5	<2	40							Lithosample @ 5
4452	315+50N 288 E	"	"	7	6	Qt3 sericite siltstone	clay, sand silcrete	25	<3	15	20	8	100	<3	<10	5	7	<5	4	2	40							
4453	316 N 288E	"	"	6	4.5	Qt3 sericite siltstone	bldrs, clay sand	20	3	20	60	15	75	<3	<10	6	5	<5	6	<2	30							Lithosample @ 6
4454	316+50N 288E	"	"	9	7.5	HQB?	bldrs, clay	35	5	14	17	25	35	<3	<10	8	6	<5	7	3	30							Lithosample @ 9
4455	312+50N 288 E	"	"	4	2.5	Qt3 sericite schist	bldrs clay	/	10	11	19	35	50	7	90	4	6	<5	9	3	30							Lithosample @ 4
4456	312 N 286 E	"	"	11	9.5	Qt3 sericite schist	clay schist clay	90	4	20	25	17	110	4	<10	2	5	7	2	<2	60							Lithosample @ 11
4457	317+50 286 E	"	"	3	2	Qt3 ser schist.	bldrs, clay	90	12	30	25	30	110	8	<10	4	5	10	3	<2	50							Lithosample @ 3
4458	317 N 286 E	"	"	8	7	Qt3 sericite schist	clay schist	90	5	19	30	18	100	<3	<10	4	14	<5	12	7	45							Lithosample @ 8
4459	316+50N 286 E	"	"	24	22	Qt3 sericite schist	clay + schist.	95	6	13	19	6	110	<3	<10	13	17	<5	11	7	45							Lithosample @ 24
4460	316 N 286E	"	"	18	17½	Qt3 sericite schist	clay + schist	65	6	20	20	6	110	<3	<10	7	10	5	8	7	45							Lithosample @ 18
4461	321+50N 284 E	12/09/80	"	38	27	Blue grey quart schist	clay schist, + lrg rocks	125.	9	12	35	25	19	80 x	<10	7	10	<5	60	6	30				2½x	Lithosample @ 38		North end 979 trench
4462	321 N 284 E	"	"	6	5	Qt3 sericite schist	clay + schist	75	3	35 x	65 x	130 x	130	<3	<10	2	6	<5	3	<2	60					Lithosample @ 6		South end [illegible] trench
4463	321+25N 284 E	"	"	5	3	Qt3 sericite schist	clay	125	7	17	35	50	85	<3	<10	2	6	7	3	<2	40				2x	Lithosample @ 5		[illegible] 979 [illegible]
4464	320+50N 284 E	"	"	5	3½	Qt3 sericite schist	clay + schist	75	4	40 x	60	40	100	13	<10	6	16	<5	28	12	50							Lithosample @ 5
4465	320 N 284 E	"	"	4	3	Qt3 sericite schist	clay + schist	25	4	30	16	13	150	<3	<10	4	11	<5	<2	<2	50							
4466	319+50 N 284 E	"	"	10	9	Qt3 sericite schist	clay schist	70	5	20	30	16	200	<3	<10		6	<5	8	2	50							Lithosample @ 10

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U.C.	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4467	319 N 284 E	12/09/80	RAB	14	13	Qtz sericite schist	clay + schist	75	6	20	20	5	130	<3	<10	2	29	<5	17	2	50							
4468	318+50N 284 E	"	"	10	9	Qtz sericite schist	clay + schist	70	4	20	35	11	200	6	<10	2	11	<5	10	2	40							
4469	318 N 284 E	"	"	8	7	Qtz sericite schist	clay + schist	75	12	35 x	25	20	130	5	<10	<2	12	<5	13	5	50							
4470	317+50 284 E	"	"	6	5	Qtz sericite schist	clay + schist	75	4	20	20	12	160	<3	<10	3	23	<5	30	13	50							Lithosample @ 6
4471	318+50N 282 E	"	"	10	10	Qtz seri. schist	clay + schist	75	3	19	13	7	140	6	<10	4	6	<5	4	2	50							Lithosample @ 10
4472	319 N 282 E	"	"	10	9	Qtz sericite schist	clay + schist	70	<3	10	25	25	65	<3	<10	5	13	<5	9	4	50							
4473	319+50 N 282 E	"	"	2	7	Qtz sericite schist	clay + schist	70	3	19	30	10	120	<3	<10	4	6	<5	5	2	50							
4474	320 N 282 E	"	"	8	7	Qtz-c ... Dolomite	clay + ser. schist	100	<3	18	18	30	65	<3	<10	13	10	<5	4	<2	50							Lithosample @ 1
4475	320+50N 282 E	"	"	7	6	Qtzitic rock ... bedrock	clay sericite sediment	95	<3	13	25	55	50	<3	<10	16	5	<5	5	2	40							
4476	321 N 282 E	"	"	9	8	silic dolo.	clay	120	35	8	8	20	8	110 x	<10	350	330 x	66	390	44	30				2x			
4477	321+50 282 E	"	"	20	19	trem. schist	clay + trem. schist	65	<3	[illegible]	25	60	<3	370 x	<10	132	910 x	395	325	52	10							Lithosample @ 20 Amp
4478	322 N 282 E	"	"	13	12	Fresh Dolomite	clay	20	4	20	20	55	9	6	<10	34	33	28	175	57	20							Lithosample @ 13
4479	322+50N 282 E	"	"	20	17	Fresh Dolomite	clay	100.	11	9	10	8	<3	10	<10	95	18	25	105	47	20		4.	2½		5x		may be laterite related surface anom.
4480	323 N 282 E	13/09/80	"	18	17	Qtz sericite schist	clay + schist	85	10	9	25	14	7	20	<10	25	37	9	280	60	30							Lithosample @ 18
4481	324+50N 280 E	"	"	10	9	chlorite sericite qtz schist	clay + schist	30	9	11	18	10	<3	<3	<10	13	73	12	215	54	20							Lithosample @ 10
4482	324 N 280 E	"	"	16	11	Fresh dolomite	clay + schist	100	5	11	45	35	3	15	<10	77	20	32	190	30	30				4x			
4483	323+50N 280 E	"	"	11	10	Fresh dolomite	... shale clay	100	6	9	25	11	<3	45	30	1020 x	18	72	310	160	40							Lithosample @ 11
4484	323+25N 280 E	"	"	13	10	Fresh dolomite	clay + schist	70	7	9	17	<3	<3	5	20	1590 x	13	9	625 x	450 x	40		4½	2½		3x		

Anom. & Zone

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)													RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	BOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4485	322 N 280 E	3/03/80	RAB	3	N/A	Fresh Dolomite	clay + schist	35	<3	4	11	<3	<3	60	25	2390	35	57	530	390	40							
4486	322+75N 280 E	"	"	21	20	chlorite talc schist	clay + schist	80	53	7	10	<3	5	<3	<10	490	27	9	250	45	40							Lithosample @ 21
4487	322+50N 280 E	"	"	20	20	chlorite talc schist	clay + schist	100	3	7	17	40	5	<3	<10	166	26	21	600	71	40		15	4		1x		Lithosample @ 20
4488	322 N 280 E	"	"	35	34	fresh dolomite chl schist	clay + schist	80	170	6	20	35	3	55	<10	184	1230	80	1010	325	40		30-35	10 to 15 m		1½x	Lith sample @ 35	Fresh dolomite at base
4489	321+50N 280 E	"	"	26	25	Fresh dolomite chl schist	clay + schist	75	6	15	20	100	<3	40	<10	122	80	39	525	77	10							Lithosample @ 26
4490	321 N 280 E	"	"	24	23	chl + ser schist	clay + schist	35	<3	10	19	12	<3	25	<10	46	65	23	465	51	5							Lithosample @ 24
4491	320+50N 280 E	"	"	31	29	chlorite talc schist	clay + schist	100	<3	7	10	30	3	20	<10	133	46	24	260	38	40		8	3		3x		Lithosample @ 31
4492	319+50N 280 E	15/09/80	"	21	20	sericite q'z schist	clay + schist	80	4	11	6	10	80	<3	<10	106	23	7	130	8	50							
4493	320+50N 278 E	"	"	18	17	sericite q'z schist	clay + schist	105	3	20	12	19	70	3	<10	16	19	7	15	2	40							
4494	321+50N 278 E	"	"	16	15	sericite q'z schist	clay + schist	110	4	35	40	12	80	55	<10	9	10	45	2	<2	50							
4495	322+50N 278 E	"	"	25	18	silicified chl schist	clay + carb schist	80	6	7	19	6	3	40	<10	780	176	48	250	150	40				2½x			
4496	323+50N 278 E	"	"	20	19	tremolite schist	clay + schist		<3	5	25	55	<3	<3	<10	5	23	6	33	15	5							Lithosample @ 20 Amp.
4497	324+50N 278 E	"	"	16	13½	Fresh Dolomite	clay	90	3	14	50	25	<3	20	<10	480	27	43	325	65	10							
4498	325+50N 278 E	"	"	22	20	chl grnsd chlorite sericite schist	clay + schist	100	25	6	25	20	3	18	<10	15	62	6	56	42	40							Lithosample @ 22
4499	326+50N 278 E	"	"	9	6½	Fresh Dolomite	clay	100	40	17	35	10	11	100	16	320	45	90	400	205	60							
4500	326+50N 276 E	"	"	18	17	chlorite sericite schist	clay + schist	90	8	4	15	30	<3	<3	40	62	132	5	170	50	40							Litho sample @ 18
4501	325+50N 276 E	"	"	18	17	chlorite sericite schist	clay + schist	75	4	<3	25	15	4	<3	11	169	32	3	640	25	30		9	1½		2½		
4502	324+50N 276 E	"	"	16	15½	tremolite schist	schist	60	<3	5	17	45	<2	13	<10	31	60	14	2042		5							Amp

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)												RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4503	323+50N 276 E	15/09/80	RAB	14	13	sericite q'z schist	schist	100	11	12	20	10	95	30	<10	44	63	7	30	20	50							
4504	322+50N 276 E	"	"	11	9½	Sericite q'z schist	schist	100	7	30	25	20	150	60	<10	10	6	8	5	<2	50							
4505	321+50N 276 E	"	"	8	6½	Sericite q'z schist.	schist	100	<3	30	20	6	130	<3	<10	10	10	6	7	<2	50							
4506	323 N 274 E	"	"	24	22	black sericite graphitic shale.	clay sericite schist.	90	12	19	14	12	95	<3	<10	<2	<2	<5	<2	3	60							Lithosample @ 24
4507	323+50N 274E	16/09/80	"	15	12½	Fresh dolomite	clay	85	<3	7	16	25	9	25	<10	42	24	18	63	32	30							Lithosample @ 15
4508	324 N 274 E	"	"	24	17½	Fresh dolomite	schist + clay	75	<3	6	12	60	4	15	<10	41	125	6	115	84	30							Lithosamples 13–24 m
4509	324+50N 274E	"	"	5	4	Silic dolomite	Clay + carb shale	70	17	15	30	270	18	60	<10	1540	148	12	385	425	30							might be boulder
4510	325 N 274E	"	"	18	17½	[illegible] schist	clay	70	<3	8	19	19	<3	<3	10	<2	<2	<5	<2	4	5							Lithosample @ 18 Amp
4511	325+50N 274E	"	"	28	27	tremolite schist + pegm.	clay schist	75	15	8	35	20	<3	8	<10	<2	<2	<5	<2	3	20		20 25	4/4		6x/6x		Lithosample @ 28
4512	326 N 274E	"	"	44	9½	carb py siliceous shale	clay trem schist	75	4	9	30	30	35	30	<10	54	55	11	230	55	20							Lithosample @ 44
4513	326+50N 274E	"	"	16	15	chl-ser schist + py veining	clay + schist	75	7	13	35	45	60	10	<10	18	21	5	29	44	30							Lithosample @ 16
4514	327 N 274 E	"	"	20	16½	/	clay + gravel	85	30	12	60	40	<3	<3	<10	40	166	5	370	120	40		15½	3x		½		
4515	327+50N 274E	"	"	14	13½	chlorite sericite schist	clay + schist	75	4	11	25	17	8	<3	<10	<2	<2	<5	<2	<2	40							Lithosample @ 14
4516	328 N 274 E	"	"	25	16	Fresh dolomite	gravel clay	75	<3	<3	4	3	3	<3	<10	<2	<2	<5	<2	<2	30							
4517	328+50N 274E	"	"	7	6	white sericite schist	sandy clay	75	8	7	<3	18	18	11	<10	50	30	23	52	21	30							
4518	329 N 274 E	"	"	30	22½	/	gravel silica cap rock	75	<3	4	13	3	<3	<3	<10	9	11	<5	22	14	30							
4519	329 N 273 E	17/09/80	"	32	17	/	gravel	75	11	5	40	35	<3	3	12	29	37	<5	190	77	30							
4520	328+50N 273 E	"	"	2	Not Logged	/	gravel	75	8	20	15	7	20	35	<10	<2	<2	<5	<2	3								Collapsed @ 1 m

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4521	328 N 273 E	18.9.80	RAB	8	1.5	fresh dolomite	clay	60	<3	9	7	12	11	50	<10	<2	<2	<5	<2	2	30							lithosample at m 6-8
4522	327.5N 273 E	"	"	29	26.5	black shale	clay	80	12	16	30	50	4	10	10	98	21	17	115	110	40		13.5	2		3x		lithosample at m 22-23
4523	327+55 N 273+25E	"	"	20	25	chlorite qtz. mica schist	Fe-products	150	<3	8	35	16	30	35	18	29	57	39	170	57								lithosample at m 16-17
4524	327 N 273 E	"	"	14	13	sericite qtz. schist	clay	60	<3	16	25	15	30	12	<10	175	290	195	240	72	40							
4525	326.5 N 273 E	"	"	23	21.5	silicified dolomite	clay	75	<3	<3	<3	4	<3	<3	<10	70	30	13	185	31	40							
4526	326 N 273 E	"	"	16	14	amphibolite	clay	60	<3	8	20	17	<3	7	<10	370	290	105	970	115	10							lithosample at m 15-16
4527	325.5 N 273 E	"	"	18	17	amphibolite	clay	60	<3	4	25	[illegible]	<3	9	<10	250	92	105	580	97	15							lithosample at m 17-18
4528	325 N 273 E	"	"	10	8.5	silicified dolomite	clay	60	16	6	17	45	12	<3	<10	130	60	5	225	145	40							
4529	323 N 270 E	"	"	14	13	sericite qtz. schist	silt	50	<3	25	25	20	240	<3	<10	27	24	<5	20	11	50							
4530	323.5 N 270 E	19.9.80	"	14	12.5	sericite qtz. schist	silt	75	7	25	20	17	150	<3	<10	49	21	7	28	11	50							
4531	324 N 270 E	"	"	14	12.5	"	"	50	<3	18	25	11	95	<3	<10	55	16	7	18	8	50							
4532	324.5 N 270 E	"	"	12	11	"	"	60	6	30	20	15	140	<3	<10	79	4	<5	14	<2	60							
4533	325 N 270 E	"	"	14	13	"	"	60	<3	19	25	15	160	<3	<10	88	4	11	13	<2	50							
4534	325.5 N 270 E	"	"	3	2	—	clay	65	<3	7	6	4	30	<3	<10	66	11	20	10	2	35							
4535	325.5 N 270 E	"	"	12	11	sericite qtz. schist	silt	65	<3	15	25	6	110	<3	<10	84	14	9	26	10	40							litho sample at m 11-12
4536	326 N 270 E	"	"	23	14	sil. Dol.	clay	55	3	13	11	9	19	3	<10	980	48	27	115	64	60							lithosample at m 11-12
4537	326.5 N 270 E	"	"	24	21	silicified dolomite	"	60	19	5	55	90	13	3	<10	2490	840	11	435	160	50							
4537	327 N 270 E	"	"	6	4	—	gossanous material	60	25	13	25	90	20	9	[illegible]	2100	98	14	3?	280	65							

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HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)													RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF U_3O_8	XRF Th	XRF Y	XRF Sr	XRF Rb	XRF Pb	XRF Bi	AAS Cu	AAS Zn	AAS Pb	AAS Ni	AAS Co	DOWNHOLE BG	PEAK x BG	PEAK DEPTH	HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4539	327.1 N 270 E	19.9.80	RAB	22	20	silicified dolomite	clay	70	25	<3	12	70	4	<3	<10	2555 x	140	<5	270	170	50	25x	16	1		25x		
4540	327.5N 270 E	"	"	22	20	silicified dolomite	clay	75	10	6	11	30	6	11	<10	110	67	110 x	110	64	40							1 kg sample at m 16-17
4541	328 N 270 E	"	"	17	15.5	[illegible]	clay	30	<3	<3	9	25	<3	<3	13	250	36	<5	1120	180	2.5							
4542	328.5 N 270 E	"	"	18	17	[illegible]	clay	30	15 x	<3	35	40	<3	3	11	340 x	83	33	1120 x	125	5							
4543	329 N 270 E	"	"	18	15	silicified dolomite	clay	45	3	<3	8	5	<3	<3	<10	83	22	<5	200	40	20							
4544	329.5 N 270 E	"	"	18	11	silicified tremolitic dolomite	clay	45	6	7	7	25	14	4	<10	230	67	38	145	71	20							
4545	330 N 270 E	"	"	18	13.5	silicified dolomite	"	55	<3	<3	6	4	<3	<3	<10	52	9	38	67	10	25							
4546	330.5 N 270 E	"	"	16	14.5	silicified dolomite	"	70	<3	<3	6	3	3	<3	<10	27	12	5	63	10	40							
4547	331 N 270 E	20.9.80	"	18	16	silicified dolomite	"	70	<3	<3	9	<3	<3	<3	<10	35	14	<5	40	14	30							
4548	331.5 N 270 E	"	"	10	8.5	sericite qtz. schist	"	50	<3	19	19	13	75	<3	<10	8	16	<5	65	19	30							
4549	332 N 262 E	"	"	22	20	carbonaceous sericitic shale	"	75	19	15	18	30	13	6	<10	826 x	24	60	280	150	50	7x	2.5	1		7x		1.4 kg sample at m 21-22
4550	331.5 N 268 E	"	"	16	9	fresh dolomite	"	75	55 x	20	260 x	20	25	60 x	160	1120 x	94	670 x	2000 x	1230 x			7					660 cps.
4551	331 N 268 E	"	"	14	13	sericite qtz. schist	clay	76	7	3	30	35	25	<3	<10	175	140	10	295	59	30							
4552	330.5 N 268 E	"	"	18	17	"	"	70	20 x	<3	20	45	60	<3	<10	130	105	16	215 x	38	30							
4553	330 N 268 E	"	"	22	21	[illegible]	"	70	111	<3	25	30	<3	25	<10	340	689	325	980	1401	15							
4554	329.5 N 268 E	"	"	16	15	[illegible]	"	50	<3	<3	18	16	<3	<3	<10	59	77	6	535	63	15							
4555	329 N 268 E	"	"	30	28	silicified dolomite	"	70	8	9	18	35	25	11	<10	530	120	135	480	110	30							
4556	328.5 N 268 E	"	"	24	22.5	sericite qtz. schist	"	80	4	4	12	11	25	<3	<10	67	7	<5	23	8	22.5							

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS						GEOCHEMISTRY (All values in ppm unless otherwise noted.)													RADIOMETRICS							COMMENTS
			TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	
4557	328 N 268 E	20.9.80	RAB	16	15	sericite & qtz. schist	clay	75	3	15	30	7	85	<3	<10	65	4	<5	27	12	40	2x		1		2x		
4558	327.5N 268 E	"	"	26	25	black slate	silt	70	6	17	25	14	120 x	<3	<10	220	8	<5	32	27	60							
4559	327 N 268 E	22.9.80	"	14	13	sericite & qtz. schist	silt	75	7	30	25	13	130	<3	<10	1870 x	43	10	138	57	50							
4560	326.5 N 268 E	"	"	14	13	"	"	60	7	25	25	18	190	<3	<10	350	14	<5	31	10	60							
4561	326 N 268 E	"	"	14	13	"	"	60	6	25	30	35	180	<3	<10	35	48	<5	36	16	50							
4562	325.5 N 268 E	"	"	14	13	"	"	60	<3	16	25	35	190	<3	<10	28	42	<5	30	12	50							
4563	328 N 264 E	"	"	18	17	"	"	75	6	17	20	35	240	3	<10	28	83	5	30	15	50							
4564	328.5 N 264 E	"	"	14	13	"	"	70	<3	25	30	25	210	6	<10	40	240	70	40	19	50							
4565	329 N 264 E	"	"	14	13	"	"	85	5	25	25	25	200	8	<10	63	230	85	30	17	50							
4566	329.5 N 264E	"	"	14	13	"	"	80	3	20	13	10	120	<3	<10	23	17	<5	30	23	60							
4567	330 N 264 E	"	"	18	17	"	"	75	7	17	20	18	120	<3	<10	8	76	25	37	34	50							
4568	330.5 N 264E	"	"	18	17	"	"	90-85	9	20	30	35	190	7	<10	160	130	88	55	36	55							
4569	331 N 264	"	"	13½	13	"	"	85	<3	11	20	14	130	<3	<10	360	25	28	42	98 x	50							
4570	331.5 N 264E	"	"	26	16.5	silicified dolomite	clay	90	3	5	15	20	10	<3	<10	130	12	<5	18	20	60							
4571	332 N 264E	"	"	28	26.5	"	"	90	4	<3	7	85 x	6	<3	<10	390	99	<5	138	150	45							
4572	332.5 N 264E	"	"	24	23	[illegible]	clay	60	<3	3	16	30	<3	15	<10	210	[illegible] x	165	730	[illegible]	20							
4573	333 N 264E	"	"	10	9	"	"	35	<3	<3	25	25	<3	[illegible]	<10	460	[illegible]	[illegible] x	750	[illegible] x	5							
4574	333.5N 264E	"	"	14	13	"	"	35	<3 3	10	<3 16	14	<3	<3	<10	95	64	23	320	43	5							

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Anom 8.2 Zone

HOLE NO.	CO-ORD.	DATE DRILLED	DRILL HOLE STATUS: TYPE	HOLE DEPTH	LOG DEPTH	BEDROCKS	WEATHERED MATERIAL	SURFACE BG	GEOCHEMISTRY (All values in ppm unless otherwise noted.) XRF: U_3O_8	Th	Y	Sr	Rb	Pb	Bi	AAS: Cu	Zn	Pb	Ni	Co	RADIOMETRICS: DOWNHOLE BG	PEAK x BG	PEAK DEPTH	½HEIGHT WIDTH	SURFICAL ANOM x BG	HYDROGENE ANOM xBG	BEDROCK ANOM xBG	COMMENTS
4575	334 N 264 E	22.9.80	RAB	18	16	silicified dolomite	clay	70	11	7	12	25	12	12	<10	390	74	160 x	340	125	30							
4576	3335 N 260E	"	"	18	17	sericite qtz. schist	silt	75	6	14	30	25	280	25	<10	23	990 x	305 x	47	40	50							
4577	333 N 260 E	"	"	16	15	"	"	60	5	20	30	16	210	6	<10	70	238	70	82	49	50							
4578	332.5 N 260 E	"	"	10	9	"	"	80	8	25	30	40	180	65	<10	120	1030 x	790 x	51	40	60							
4579	332 N 260 E	"	"	12	11	"	"	60	<3	20	40	30	290 x	25	<10	130	440 x	305 x	65	54	60							
4580	331.5 N 260 E	"	"	5	3	"	"	70	<3	12	14	10	110	13	<10	59	138	105	29	19	50							
4581	331 N 260 E	"	"	12	11	"	"	75	<3	25	25	25	190	<3	<10	50	194	5	67	22	60							
4582	330.5 N 260 E	"	"	14	13	"	"	50	10	25	25	20	180	<3	<10	19	36	23	13	11	50							
4583	330 N 260 E	"	"	18	17	"	"	75	<3	30	30	17	250	<3	<10	13	37	8	16	6	50							
4584	368 N 220-30E	1/09/80	PDH	20	19		clay	100	<3	3	4	4	<3	<3	<10	11	12	<5	40	8	30	17x	15.5				x17	2hrs PDH
4585	368.5N 229.5E	"	RAB/PDH	16	14.5		sand.	75	3	<3	<3	6	<3	<3	<10	6	4	<5	24	4	26		9.3			x2		1½hrs PDH
4586	368.5N 230E	"	PDH	15	13		clay	60	7	7	13	35	65	<3	<10	16	15	<5	22	10	60							1½hrs PDH
4587	368.5N 231E	"	RAB	13	12		clay	50	7	25 x	25	45	130 x	<3	40	25	31	<5	44	28	48							
4588	368.5N 232E	"	"	6	5	qtz-chl? sericite	clay	85	9	25 x	30	40	220 x	<3	<10	<2	15	<5	15	4	55							
4589	368.5N 233E	"	"	8	6.5		clay	45	3	20	19	30	110 x	<3	<10	<2	3	<5	5	3	55							
					22																							

APPENDIX 5

PERCUSSION DRILL HOLE SUMMARY LOGS

NW EXTENSION KYLIE

PERCUSSION HOLES

PDH 80/01 337.85N/271.58E

Depth 113m

Summary Log

0-1 m	:	Brown soil
1-29 m	:	Haematitic & chloritic siltstone
24-46 m	:	Haematite-quartz breccia
46-113m	:	Dolomite/Magnesite, partly Arcose with interbedded chlorite (sericite) schist.

PDH 80/02 336.50N/273.00E

Depth 118m

Summary Log

0-1 m	:	Brown soil
1-6 m	:	Brown clay with fragments of quartz-sericite schists
6-47 m	:	Dolomite, partly haematitic and chloritic. Minor fragments of chlorite schists
47-118m	:	Haematitic & chloritic siltstone with minor haematite-quartz breccia and minor talcose dolomite.
		101.00 - 108.00 : dolomitic chlorite (sericite) schist.

PDH 80/03 335.50N/272.00E

Depth 70m

Summary Log

0-2 m	:	Soil
2-45m	:	Depot Creek Sandstone, partly dolomitized/ magnesitized.
45-70	:	Talcose dolomite.

APPENDIX 6

DIAMOND DRILL HOLE SUMMARY LOGS

Ky (P) 80/01 Kylie: 330.94N/277.46E

Hole type PDH Depth 32m

Summary Log

Abandoned due to excess water.

Ky (P) 80/02 Kylie: 329.90N/276.19E

Hole type PDH Depth 18m

Summary Log

Abandoned due to excess water.

Ky (D) 80/03 Kylie: 330.42N/276.86E

Hole type PDH/DDH Depth 68.40m

PDH: 0-20.30m DDH: 20.30m-68.40m

Summary Log

0-20.30m	:	Magnesitic dolomite
20.30-28.00m	:	Brecciated Magnesitic dolomite
28.00-68.40m	:	Magnesitic dolomite.

Ky (D) 80/04 Kylie: 330+35N/276+76E

Hole type PDH/DDH Depth 242.26m

PDH: 0-35.5m DDH: 35.5-242.26m

Summary Log

0-99.5	:	Magnesitic dolomite
99.5-133.6m	:	Brecciated magnesitic dolomite with brecciated chlorite/talc interbeds
133.6-144.80m	:	Magnesitic dolomite
144.80-180.30m	:	Sericite-chlorite-quartz-talc rock chlorite-sericite-quartz dravite rock, dravite-epidote rock, minor magnesitic dolomite
180.30-206.00m	:	Banded magnesitic dolomite
206.00-255.40m	:	Sericite-chlorite-quartz-talc rock chlorite-sericite-quartz-dravite rock dravite-epidote rock, minor magnesitic dolomite
225.4-242.26m	:	Magnesitic dolomite.

Ky (D) 80/05 Kylie: 330+40N/274+27E

Hole type PDH/DDH Depth 399.50m

PDH: 0-51m DDH: 4.17-399.50m

Summary Log

0-2m	:	Colluvium
2-104.85m	:	Dolomite-chlorite-quartz rock, quartz-chlorite-dravite rock, chlorite-sericite-dravite rock magnesitic dolomite
104.85-106.60m	:	Carbonaceous slate
106.60-209.10m	:	Magnesitic dolomite
209.10-239.50m	:	Sericite-chlorite-quartz-talc rock, chlorite-sericite-quartz-dravite rock, dravite-epidote rock, minor magnesitic dolomite, minor Depot Creek Sandstone
239.50-253.10m	:	Depot Creek Sandstone
253.10-264.00m	:	Haematite-quartz breccia
264.00-295.80m	:	Banded magnesitic dolomite
295.80-302.50m	:	Chlorite-sericite schist
302.50-321.20m	:	Brecciated chloritic metapelites, brecciated chloritic magnesite
321.20-399.50m	:	Magnesitic dolomite.

KY (D) 80/06 Kylie: 334+26N/272+73E

Hole type PDH/DDH Depth 141.40m

PDH: 0-47.09m DDH: 47.09-141.40m

Summary Log

0-19m	:	Depot Creek Fmn: haematite-quartz breccia, haematitic siltstone, haematitic sandstone, minor dolomite
19-39m	:	Whitish, minor reddish dolomite
39-76.91	:	Depot Creek Sandstone, partly brecciated
76.91-96.15	:	Breccia zone of Depot Creek Sandstone and magnesite/dolomite
36.15-98.00m	:	Magnesite
98.00-100.00m	:	Breccia zone consisting of magnesite, Depot Creek Sandstone cemented by pale green talc/chlorite
100.00-103.71	:	Magnesite
103.71-112.50	:	Breccia zone consisting of magnesite, Depot Creek Sandstone cemented by pale green talc/chlorite
112.50-113.21	:	Depot Creek Sandstone
113.21-115.15	:	Magnesite
115.15-121.23	:	Brecciated Depot Creek Sandstone
121.23-123.57	:	Haematite rock
123.57-141.40	:	Haematite-quartz breccia, Depot Creek Sandstone.

Ky (D) 80/07 Kylie: 329+91N/276.21E

Hole type PDH/DDH Depth 301.6m

PDH: 0-23.7m DDH: 23.7-301.60m

Summary Log

0-15m	:	Clay
15-140m	:	Magnesitic dolomite
140-154.2m	:	Brecciated Magnesitic dolomite
154.2-186m	:	Magnesitic dolomite
186-236.80m	:	Sericite-chlorite-quartz-talc rock, chlorite-sericite-quartz-dravite rock dravite-epidote rock, minor magnesitic dolomite
236.80-260.10m	:	Banded magnesitic dolomite
260.10-261.20m	:	Tourmaline rock
261.10-273.00m	:	Sericite-chlorite-quartz- rock chlorite-sericite-quartz-dravite rock dravite-epidote rock, minor magnesitic dolomite
273.00-301.60m	:	Magnesitic dolomite.

Ky (D) 80/08 Kylie: 331+03N/277+54E

Hole type PDH/DDH Depth 178m

PDH: 0-33m DDH: 33.00-178.00m

Summary Log

0-6m	:	Alluvium
6-23m	:	Clay, minor spec haematite
23-25m	:	Cap rock over dolomite
25-72.90m	:	Magnesitic dolomite
72.9-102.2m	:	Sericite-chlorite-quartz-talc rock chlorite-sericite-quartz-dravite rock dravite-epidote rock, minor magnesitic dolomite
102.20-135.00m	:	Banded magnesitic dolomite
135.00-138.60m	:	Sericite-chlorite-quartz-talc rock chlorite-sericite-quartz-dravite rock Haemitized banded chloritic magnesite rock
138.60-178.00m	:	Magnesitic dolomite.

Ky (D) 80/09 Kylie: 334+48N/272+98E

Hole type PDH/DDH Depth 250.90m

PDH: 0-54m DDH: 54-250.90m

Summary Log

0-99.44m	:	Depot Creek Sandstone
99.44-117.00m	:	Haematite-quartz Breccia
117.00-124.00m	:	Haematite rock
124.00-126.31m	:	Brecciated dolomite with chlorite-sericite schist
126.31-250.90m	:	Dolomite/Magnesite with interbedded chloritic metapelites.

Ky (D) 80/10 Kylie: 335+26N/273+88E

Hole type PDH/DDH Depth 246.00m

PDH: 0-65m DDH: 65-246.00m

Summary Log

0-8m	:	Haematite-quartz Breccia
8-39m	:	Haematite rock, haematite-chlorite rock
39-65m	:	Dolomite, minor magnesite
65-160.80m	:	Dolomite/magnesite
160.80-177.00m	:	Brecciated chlorite rock, quartzite (Crater Fmn?)
177.00-186.00m	:	Dolomite/magnesite
186.00-188.00m	:	Brecciated quartzite, partly chloritic (Crater Fmn?)
188.00-218.60m	:	Crater Fmn : quartzite, chloritic schist/siltstone, stretched pebble conglomerate
218.60-224.80	:	Transition zone consisting of quartz-pebble conglomerate, quartz-feldspar-sericite schist
224.80-246.00	:	Granite.

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DRILL LOG

Hole No. WD (P) 80/06	Co-ords 420 N/228+96.5 E	Prospect Western Depot Ck.	Project 8200	Hole Type PDH	Depth 36
Elevation	Core Size	Bearing	Dip 90	Recovery (%)	Water Table
Contractor Rockdril (Schramm)	Commenced 8/8/1980	~~Completed~~ Abandoned 9/8/80	Logged By J.R.	Date 12/8/1980	Casing Depth UNKNOWN
Depth Probed Not Probed	Instrument	Monitored By	Date		
Hydrogeochemical Results:- pH	U_3O_8 (PPB)	TDS (PPM)			

Depth (Metres) From	Depth (Metres) To	Interval (Metres)	% Recovery	DESCRIPTION
0	X			Casing depth unknown. samples destroyed
X	17	17		predominatly pink sand,
17	23	6		pink sand plus cuttings pink m.g. mod. silicified Depot Creek Sandstone.
				This appears to be good rock.
				Constant caving above this point and below the casing forced abandonment of the hole.
				Actual depth of these samples below surface not known.

Assay Date				Assay Results (PPM)			
Sample Number	From (m)	To (m)	Interval	U_3O_8	Th		

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DRILL LOG

Page 1 Of 1

Hole No. WD (P) 80/07	Co-ords 419+97N/228+42E	Prospect Western Depot Ck.	Project 8200	Hole Type PDH	Depth 30
Elevation	Core Size	Bearing	Dip 90	Recovery (%)	Water Table
Contractor Rockdrill (Schramm)	Commenced 9/8/1980	Completed Abandoned 9/8/80	Logged By J.R.	Date 12/8/1980	Casing Depth 4m
Depth Probed Not Probed	Instrument	Monitored By	Date		PVC
Hydrogeochemical Results:- pH	U_3O_8 (PPB)	TDS (PPM)			

Depth (Metres) From	To	Interval (Metres)	% Recovery	DESCRIPTION	Assay Date Sample Number	From (m)	To (m)	Interval	Assay Results (PPM) U_3O_8	Th		
1	3	3		Orange brown sand								
3	4	1		Pink brown sand								
4	5	1		Pink sand								
5	13	8		Light white-pink sand								
13	16	3		Pink to purple sand								
16	21	5		Pink-white sand								
21	28	7		White-pink sand								
28	30	2		Pink-white sand								
				Hole continued to cave and was abandoned @ 31m.								

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DRILL LOG

Hole No. WD (P) 80/08	Co-ords 219+19N/228+43E	Prospect Western Depot Ck.	Project 8200	Hole Type PDH	Depth 77m
Elevation	Core Size	Bearing	Dip 90	Recovery (%)	Water Table ~ 7m
Contractor Rockdrill (Schramm)	Commenced 9/8/1980	Completed 9/8/1980	Logged By J.R.	Date 12/8/1980	Casing Depth 6m
Depth Probed 70m	Instrument Mt. Sopris 2500	Monitored By	Date 12/8/1980		PVC Casing
Hydrogeochemical Results:– pH	U_3O_8 (PPB)	TDS (PPM)			

Depth (Metres) From	To	Interval (Metres)	% Recovery	DESCRIPTION	Assay Date Sample Number	From (m)	To (m)	Interval	Assay Results (PPM) U_3O_8	Th	
0	6	6		no sample. Surface material is brown sand with pebbles Depot Ck sandstone. Depot Creek sandstone outcrop 6m to SE							
6	13	7		Light pink brown sand							
13	19	6		White sand white to light beige sand. Cretaceous?							
19	31	12		Pink-Red sand pink-red sand, occassional fragment of pink to dark red brown moderately hematized sandstone. Despite the fact that outcrop is close by, this appears to be weathered material over subcrop or very weathered Depot Creek Sandstone. Starting at 31 cuttings become predominatly sandstone chips rather than loose sand.							
31	56	25		Depot Creek Sandstone, strongly hematized red-purple sand & cuttings of pink to purple moderate to strongly hematized, m.g. mod. silicified sandstone.							
56	60	4		Depot Creek Sandstone, very strongly hematized dark purple-red cuttings, very strongly hematized Depot Creek Sandstone.							

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DRILL LOG

Hole No. WD (P) 80/08	Co-ords	Prospect	Project	Hole Type	Depth
Elevation	Core Size	Bearing	Dip	Recovery (%)	Water Table
Contractor	Commenced	Completed	Logged By	Date	Casing Depth
Depth Probed	Instrument	Monitored By	Date		

Hydrogeochemical Results:- pH U_3O_8 (PPB) TDS (PPM)

Depth (Metres) From	Depth (Metres) To	Interval (Metres)	% Recovery	DESCRIPTION	Assay Date: Sample Number	From (m)	To (m)	Interval	Assay Results (PPM): U_3O_8	Th
60	77			Depot Creek Sandstone, strongly hematized						
				similar to 31-56m.						
				Hole abandoned due to lack of proper sized bits.						
				Hole diameter at 77m ~ 12.7 cm.						
				bottom 7m caved prior to radiometric probing.						

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DRILL LOG

Hole No. WD (P) 80/05	Co-ords 419+98N/235+96E	Prospect Western Depot Ck.	Project 8200	Hole Type PDH	Depth 96m		
Elevation	Core Size	Bearing	Dip	Recovery (%)	Water Table ≈ 6m		
Contractor ROCKDRIL (Schramm)	Commenced 8/8/1980	Completed 8/8/1980	Logged By J.R.	Date 11/8/1980	Casing Depth 2m (PVC)		
Depth Probed 92 m	Instrument Mt. Sopris 1000	Monitored By	Date				
Hydrogeochemical Results:- pH	U_3O_8 (PPB)	TDS (PPM)					

Depth (Metres) From	To	Interval (Metres)	% Recovery	DESCRIPTION	Assay Date: Sample Number	From (m)	To (m)	Interval	Assay Results (PPM): U_3O_8	Th		
				Orange-brown sand								
0	1	1		orange brown sand with latcritic Depot Creek sandstone gravel.								
1	2	1		Orange-pink sand								
				orange pink sand + pink-purple hematized Depot Creek sandstone frugments up to 2 cm.								
2	11	9		Light Pink sand								
				light pink sand, occasional chips m.g. pink weakly silicified Depot Creek sandstone.								
11	12	1		White sand (Cretaceous?)								
				white sand, few small chips med to coarse grained white quartz sandstone.								
12	20	8		Light Pink sand								
				light pink, 95% sand cuttings, some chips m.g. pink Depot Creek sandstone. Interpret a weathered top of outcrop (immediately below cretaceous cover).								
20	21	1		Hematite Quartz Breccia								
				purple cuttings, strongly hematized, sand poorly sorted sandstone plus white quartzite chips. Interpret as HOB band.								

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DRILL LOG

Hole No. WD (P) 80/05	Co-ords	Prospect	Project	Hole Type		Depth
Elevation	Core Size	Bearing	Dip	Recovery (%)		Water Table
Contractor	Commenced	Completed	Logged By	Date		Casing Depth
Depth Probed	Instrument	Monitored By	Date			
Hydrogeochemical Results:- pH	U_3O_8 (PPB)	TDS (PPM)				

Depth (Metres) From	To	Interval (Metres)	% Recovery	DESCRIPTION	Assay Date Sample Number	From (m)	To (m)	Interval	Assay Results (PPM) U_3O_8	Th		
21	30	9		Depot Ck Sandstone wky hematized, mod. silicified.								
				pink cuttings, m.g. pink Wkly hematized, mod. silicified								
				Depot Creek Sandstone. Miner ~ 1mm quartz veining noted.								
30	41	11		Hematite Quartz Breccia								
				purple-red cuttings. Strongly hematized purple sandstone								
				plus white quartzite cuttings. Interpret as HQB.								
41	57	16		Hematite Quartz Breccia								
				purple-brown cuttings, fragments of brown, hematized f.g.								
				schistose rock and f.g. schistose grey-green rock,								
				interpret as basal HQB. Some quartzite cuttings present								
				- interbeds typical "HQB".								
57	60	3		Regolith								
				dark purple - black cuttings, strongly chloritized schist,								
				dark grey green in colour. Interpret as regolithic								
				material near base of HQB.								
60	88	28		Hematie Quartz Breccia								
				dark red brown cuttings, HQB and regolith material								
				becoming more chloritic with depth. Boundary with Lower								
				Proterozoic placed where quartz fragments disappear and								
				cuttings change from pink to pink-grey								

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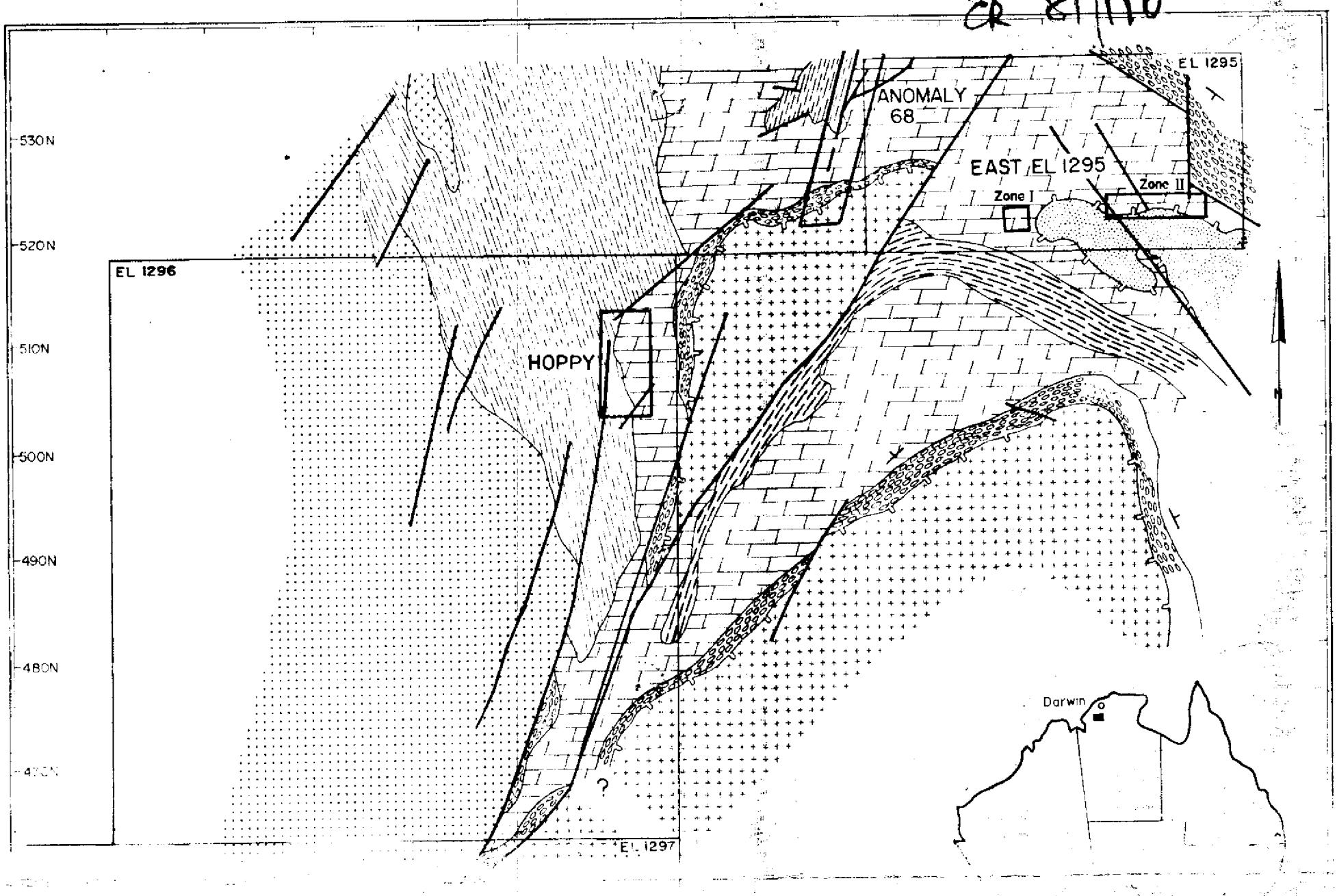
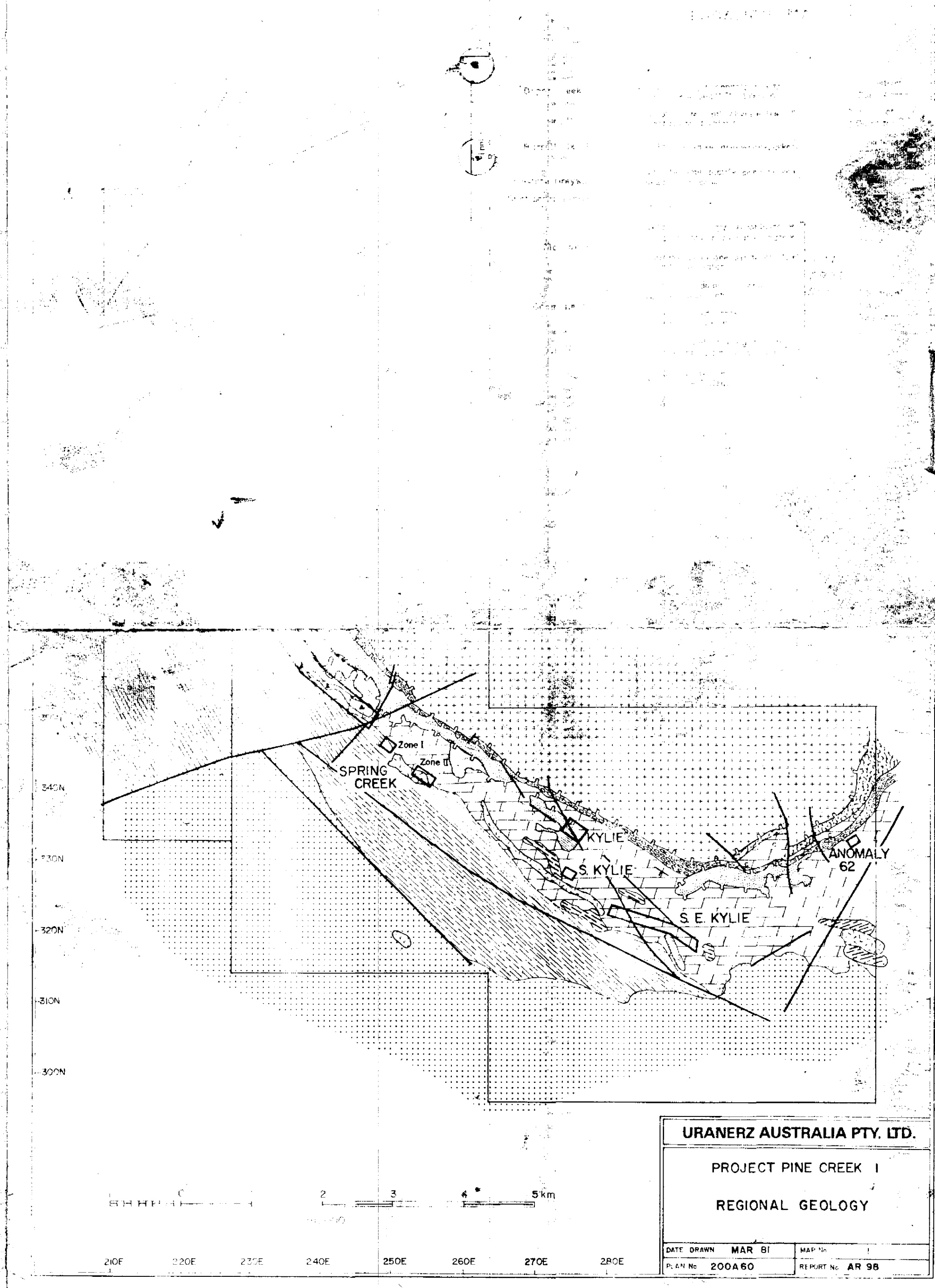
DRILL LOG

Hole No. WD (P) 80/05	Co-ords	Prospect	Project	Hole Type	Depth
Elevation	Core Size	Bearing	Dip	Recovery (%)	Water Table
Contractor	Commenced	Completed	Logged By	Date	Casing Depth
Depth Probed	Instrument	Monitored By	Date		
Hydrogeochemical Results:- pH	U_3O_8 (PPB)	TDS (PPM)			

Depth (Metres) From	Depth (Metres) To	Interval (Metres)	% Recovery	DESCRIPTION
				At 88 U. Prot ; L. Proterozoic unconformity
88	96	8		Quartz Chlorite Schist
				moderately foliated Soft (not silicified) black-green quartz chlorite schist.

Assay Date: Sample Number	From (m)	To (m)	Interval	Assay Results (PPM): U_3O_8	Th





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PROJECT PINE CREEK I

REGIONAL GEOLOGY

DATE DRAWN MAR 81	MAP No. 1
PLAN No. 200A60	REPORT No. AR 98

URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK I
BEDROCK GEOCHEMISTRY
Southern sheet

COMPILED JR	DATE 1980	TENEMENT	MAP No. 2
DRAWN K L	DATE MAR 1981	PLAN No. 20006	REPORT No. AR 98
LAST REVISION		SCALE 1:20 000	PROJECT No. 8200
T.C TO BONN		REF D 52-8	

N

250 0 500 1000 1500 2000m

1:20000

Northern sheet

Southern sheet

○ Threshold uranium only
◗ Anomalous base metal(s) only
◑ Threshold uranium and anomalous base metal(s)
● Anomalous uranium and base metal(s)
◐ Anomalous uranium
—— Zone of uranium enrichment
– – Zone of base metal enrichment

	U Threshold / Anomalous	Cu	Zn	Pb ANOMALOUS [AAS] (XRF)	Ni	Co
Sericite schist (inc. Burrell Ck Fm)	12 / 16	378	334	[84] (97)	208	96
Prospective Sequence	24 / 38	711	225	[104] (50)	486	235
Amphibolite	10 / 15	427	705	[638] (169)	1128	184

All values in ppm
Threshold: mean + one standard deviation
Anomalous mean + two standard deviations

BMR based Stratigraphy 1979 (Needham et al)

Stratigraphy based on UAL fieldwork 1979-80

QUAT.
- Black soil plain
- Laterite

(?) CRET.
- Ferruginous sandstone, sand

M-UP PROT.
- Depot Ck Fm.: Pink grey quartz sandstone; Hematite ± quartzite breccia (HQB) silicified dolomite clasts in hematized sandy matrix; Breccias contemporaneous with HQB: meta sedimentary and meta volcanic clasts — Terrestrial Sed Assoc

LOW PROT.

FINNISS R. GP
- Burrell Ck Fm.: Amphibolite: anthophyllite, tremolite – actinolite ± chlorite — L. Prot Dolerites ?; Siltstone, shale, greywacke, arkose — Flyschoid Assoc
- Tombstone Greywacke: Quartz feldspar biotite sericite schist, possibly volcanic

STH. ALLIGATOR & NAMOONA GP
- Strat. position uncertain: Sericite schist; Banded cherty ironstone
- Masson Fm.: Talc schist; Metavolcanics: quartz xenoblasts and volcanoclasts in sericitic matrix; Chlorite schist: chlorite ± quartz and sericite; Pelites: carbonaceous (± graphite) shales and slates — UAL PROS. SEQ. — Pelitic & Volcanogenic Assoc

BATCHELOR GP
- Coomalie Dol.: Tectonized dolomitic and carbonaceous shale; Dolomitic sediments (undifferentiated) — Chemical Shelf Sed Assoc
- Crater Fm.: Quartz hematite pebble conglomerate, arkose, sericitic sandstone
- Celia Dol.: C: Dolomitic sediments (undifferentiated)
- Beestons Fm.: Quartzite

ARCH.
- Waterhouse Complex: Sheared feldspathic sericite quartz schist; Amphibolite; Undifferentiated granites

Dolomites
- t Tourmaline
- b Biotite
- gt Garnets
- P_2O_5 Phosphate
- Cu Copper
- U Uranium
- Mn Manganese
- BIF Banded iron fm.
- T Tremolite
- F Fresh
- Q Quartzitic, qtz caps over Pros. Seq. dolo or quartzite interbeds
- QS Quartz sandstones within Pros. Seq. dolo
- L Limonitic, goethitic
- Fe Hematitic

- Sirotem conductive zone, strong, weak
- Sirotem conductive lineament

- Spring
- Fence
- Telephone, power line
- Sinkhole
- Trenches (previous explorer)
- Trench (UAL) with designation
- Outcrop boundary, geological contact
- Assumed geol. contact
- Unconformity
- Fault
- Shear
- Quartz vein
- Trend of ridges
- Drillhole, vertical, inclined
- Chert
- Tectonic breccia
- Tourmaline
- Gossan
- •U Surface mineralization
- Strike and dip of beds
- Strike and dip of foliation

ANOMALY 20

ZONE I SPRING CREEK

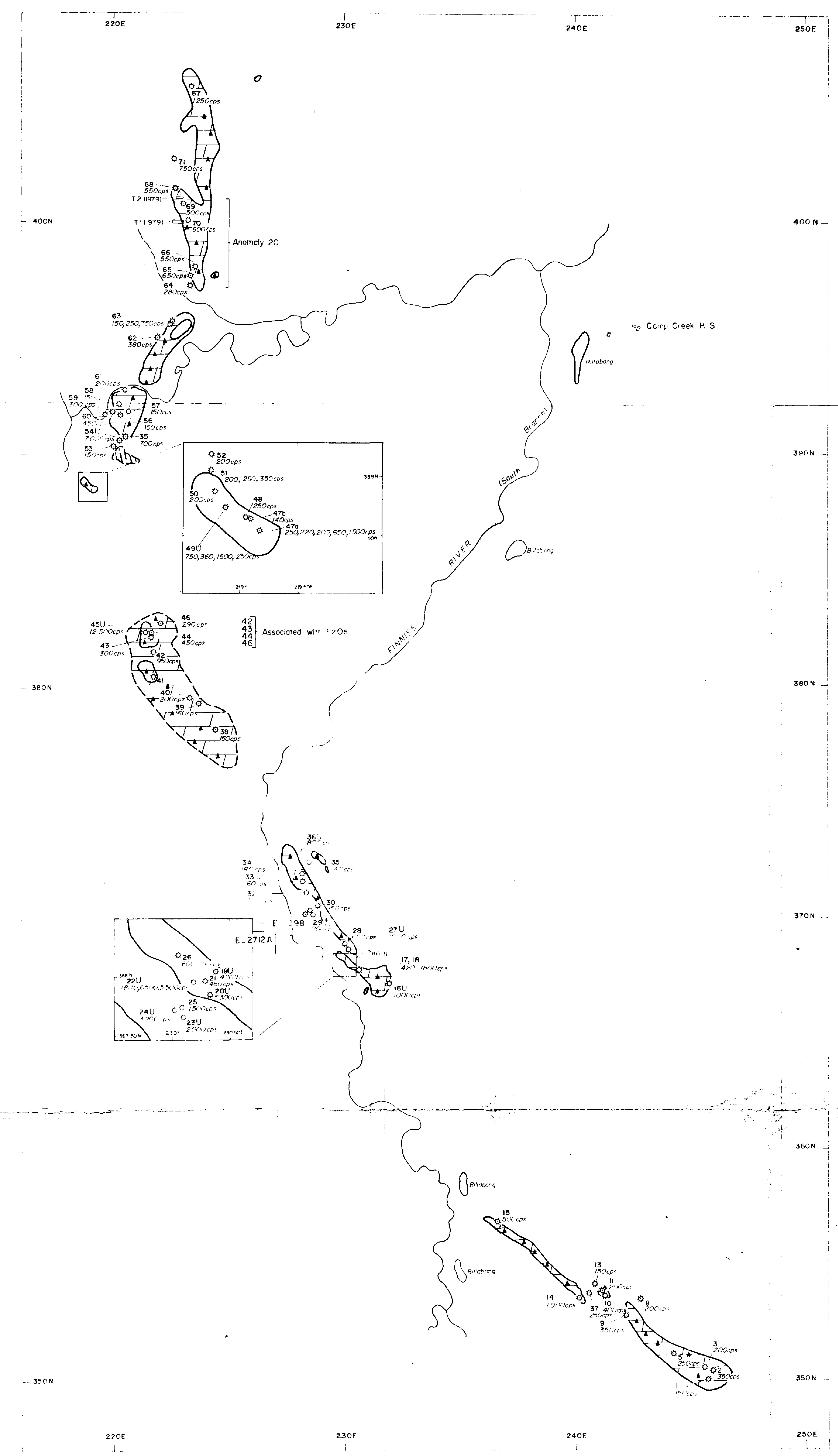
ZONE II

KYLIE SOUTH

ANOMALY 8 (part of S.E. Kylie)

S.E. KYLIE

ANOMALY 62



Surface radiometric anomaly with numeric designation (23)

2000 cps Maximium reading in SRAT SPP-2

U Visible secondary uranium mineralization noted

PROSPECTIVE SEQUENCE
- Carbonaceous shale
- Dolomite

80-11 Trench with designation

12 deleted

CR81/176

NORTHERN TERRITORY
GEOLOGICAL SURVEY

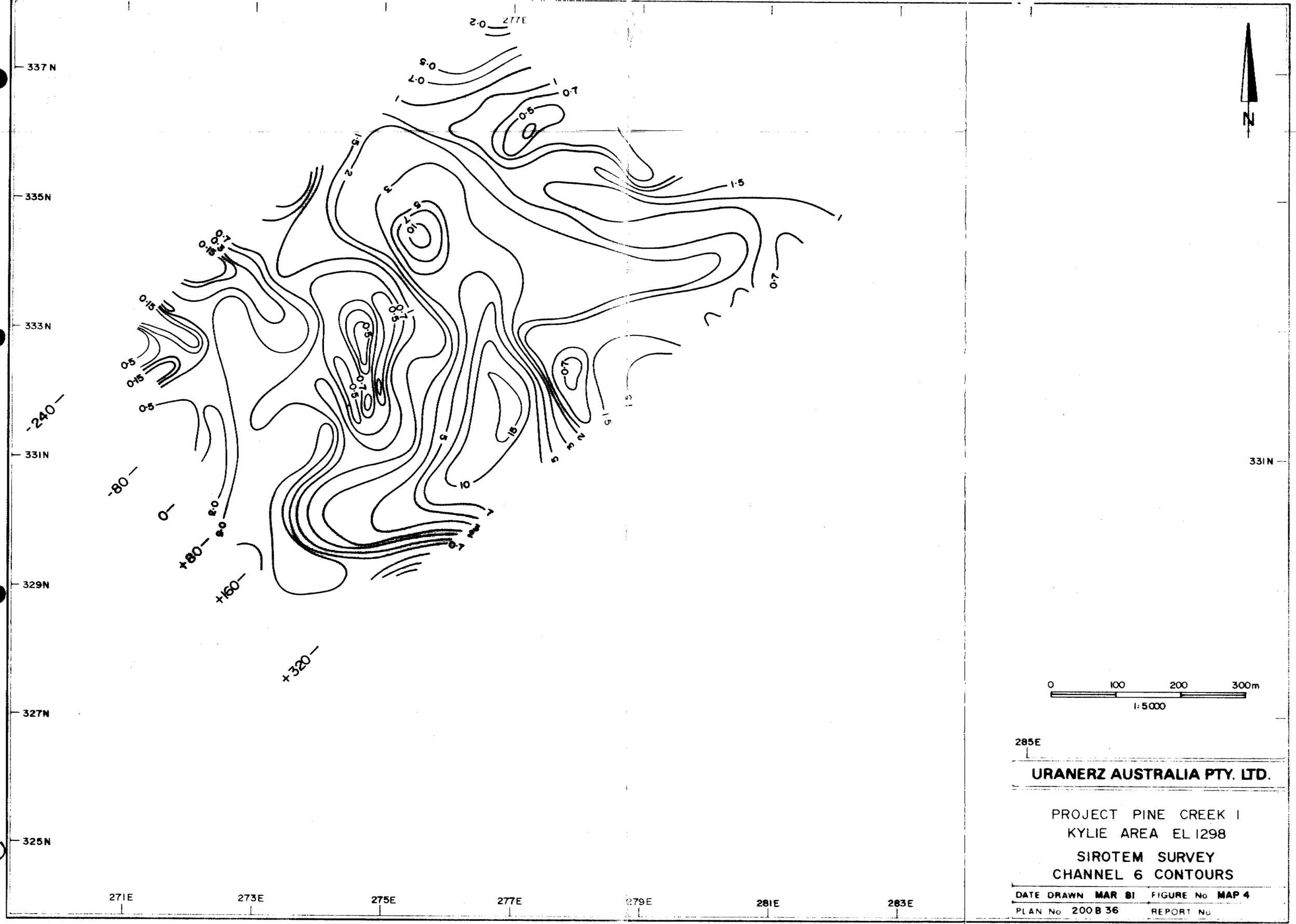
100 0 100 200 300 400 500 600 700 800 900 1000 m

1:10 000

URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK I
RIVERSIDE ANOMALOUS ZONE
GROUND RADIOMETRIC PROSPECTING

COMPILED: D McK	DATE: 80	TENEMENT:	MAP No: 3
DRAWN: KK	DATE: MAR 81	PLAN No: 200B41	REPORT No: AR 98
LAST REVISION:		SCALE: 1:10 000	PROJECT No: 8200
T.C. TO BONN:		REF: D52-8	



URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK I
KYLIE AREA EL 1298

SIROTEM SURVEY
CHANNEL 6 CONTOURS

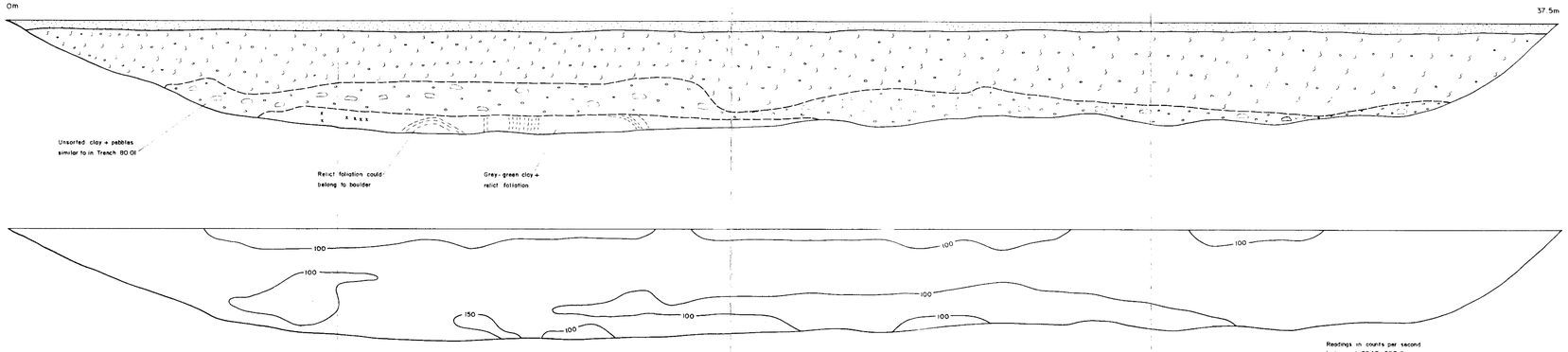
DATE DRAWN MAR 81 FIGURE No MAP 4

PLAN No 200 B 36 REPORT No

TRENCH 80.04

SOUTH
0m

NORTH
37.5m

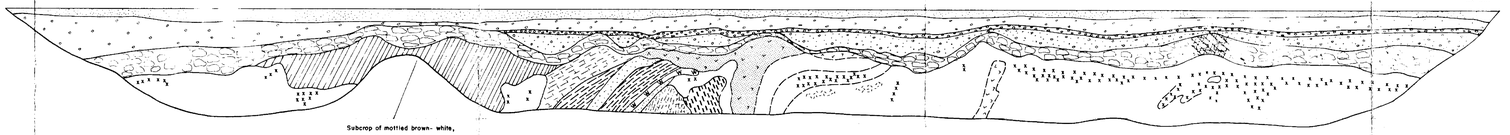


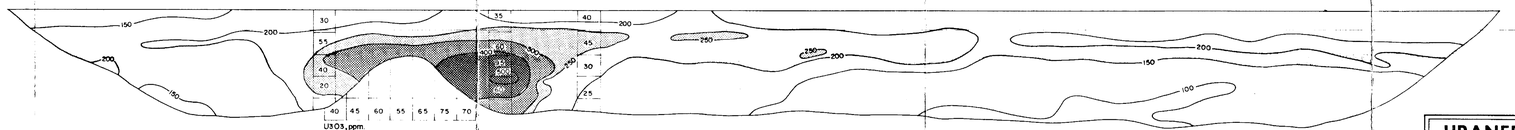
Readings in counts per second
Instrument SRAT SPP 2

TRENCH 80.03

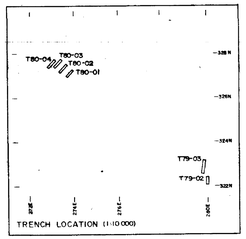
SOUTH
0m

NORTH
33.5m





Readings in counts per second
Instrument SRAT SPP 2



5 0 1 2 3 4 5m
1:50
Vert & Horiz.

- Brown silty clay soil
- Yellow brown silty clay
- Yellow brown gritty silt + occasional pebbles up to 2cm, quartzite + vein quartz
- Brown silty clay soil-gravel of pisolitic hematized pebbles, more rounded near surface. No evidence of the distinct gravel layers noted in Trench 80-03. Larger cobbles include vein quartz, silicified dolomite and carbonaceous? dolomitic sediments
- Yellow brown pisolitic gravel in brown clay. Av pisolith size <1cm.
- Pebble band within pisolitic gravel
- Lower yellow brown pisolitic gravel
- Laterite
- Rounded to angular pebbles and cobbles of white vein qtz. f.g. sugary qtzt., red block hematized gossan material } May be old lateritic surface
- Mottled black-brn-yell clay with at least 50% hem., often specularitic pisoliths, well rounded + larger rounded frags. mottled vuggy gossanous brn rock with a secondary white mineral in vugs could be gossanous over silic. dolomite
- Finely banded white-black silic. sediments
- Deeply weathered carbon. shale? (Almost totally altered to clay)
- Grey carbon rock
- Frags. black carbon rock, silic. (dolomitic?) in places
- Brn clay with numerous frags. buff chert (pseudomorphs after dolomite?) + hem. pisoliths and weathered gossanous material
- Zones of angular rock frags in clay appears to be zone of mixing between 'C' horizon and transported material
- Yell. brn. olive clay
- White clay
- White powdery clay material, may! be $MgCO_3$ in part
- Gossanous frags.
- Relict foliation of clays formed in-situ
- Channel sample with geochemical analysis in ppm U_3O_8, unless otherwise stated

NORTHERN TERRITORY GEOLOGICAL SURVEY

CR 81/176

For surface geological plan refer to Fig 12

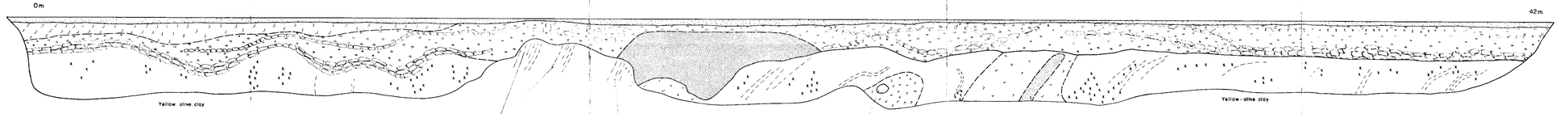
URANERZ AUSTRALIA PTY. LTD.

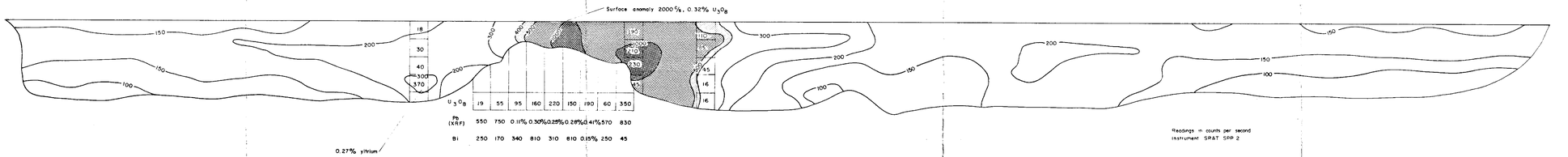
PROJECT PINE CREEK I
SOUTH KYLIE EL 1298
GEOLOGY AND RADIOMETRY
OF TRENCHES T80-03, 80-04

COMPILED: JR	DATE: OCT 1980	TENEMENT:	MAP No: 5A
DRAWN: R M	DATE: MAR 1981	PLAN No: 20045 5	REPORT No: AR 98
LAST REVISION:		SCALE: 1:50	PROJECT No: 8200
T.C. TO BONN:		REF: 052-8	

TRENCH 80.02

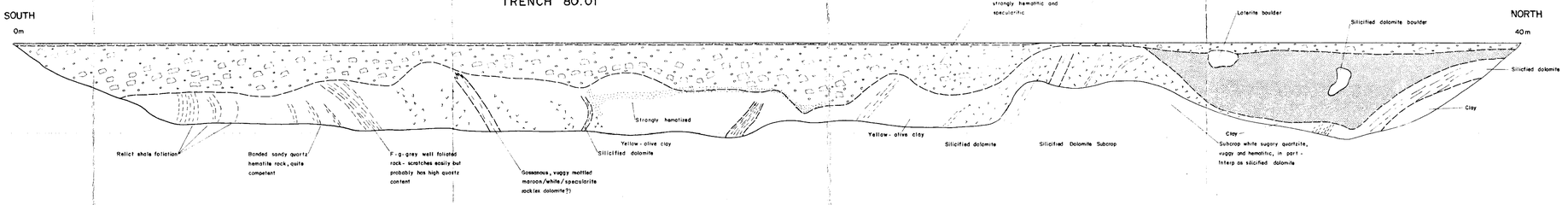
SOUTH 0m — NORTH 42m

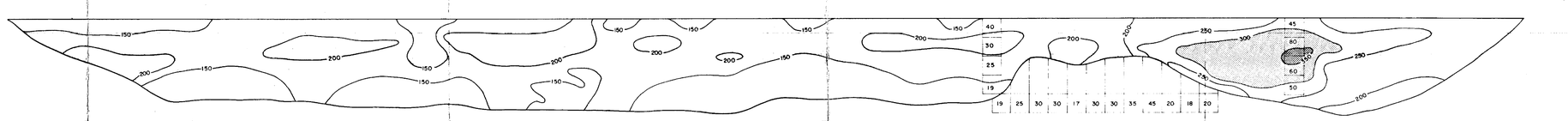




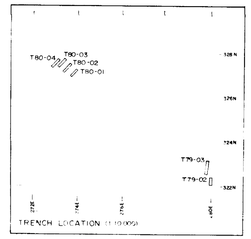
TRENCH 80.01

SOUTH 0m — NORTH 40m





5 0 10 20 30 40 50m
1:50
Vert & Horiz



Brown silty clay soil

Yellow brown silty clay

Yellow brown gritty silt + occasional pebbles up to 2cm, quartzite + vein quartz

Brown silty clay soil + gravel of pisolitic hematized pebbles, more rounded near surface. No evidence of the distinct gravel layers noted in Trench 80-03. Larger cobbles include vein quartz, silicified dolomite and carbonaceous? clastic sediments

Yellow brown pisolitic gravel in brown silty clay. Av pisolith size 4cm

Yellow sand with pisolitic gravel

Layered yellow brown pisolitic gravel

Laterite

Rounded to angular cobbles and pebbles of white vein qtz, fg sugary qtzite, red blocky hematized gossan material } May be old lateritic surface

Mottled white banded with at least 50% hem often specularitic pisoliths, well rounded larger rounded frags mostly vuggy gossanous brn rock with a secondary white material in vugs could be gossanous over relict dolomite

Finely banded white black sediments

Deeply weathered medium shale ? Almost totally altered to clay!

Very laminated

Frags of black fine rock, silic (dolomitic?) in places

Brn clay with numerous large buff chert pseudomorphs after dolomite? + hem rich gossanous material

Zones of angular rock frags in clay appears to be zone of mixing between 'in' horizon and transported material

Yellow olive clay

White clay

White powdery clay material, may be $MgCO_3$ in part

Gossanous frags

Relict foliation of clays formed insitu

Channel samples with geochemical analysis in ppm U_3O_8, unless otherwise stated

For surface geology plan refer to Fig 12

NORTHERN TERRITORY GEOLOGICAL SURVEY

CR 81/176

URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK I
SOUTH KYLIE EL 1298
GEOLOGY AND RADIOMETRY
OF TRENCHES T80-01, 80-02

COMPILED: J.R	DATE: OCT. 1980	TENEMENT:	MAP No: 58
DRAWN: R.N	DATE: MAR 1981	PLAN No: 200A56	REPORT No: AR 98
LAST REVISION:		SCALE: 1:50	PROJECT No: 8200
T.C. TO BONN:		REF: 052-8	

VERT SCALE: 1cm = 200 nT
HOR SCALE = 1: 5000

277E

337N
335N
333N
331N
329N
327N
325N

271E
273E
275E
277E
279E
281E
283E

ZONE 3
ZONE 4
ZONE 5
ZONE 6
ZONE 6
ZONE 7
ZONE 8
F
F
?

N

331N

Zone boundary
Probable zone boundary
F — Fault

0 100 200 300m
5000

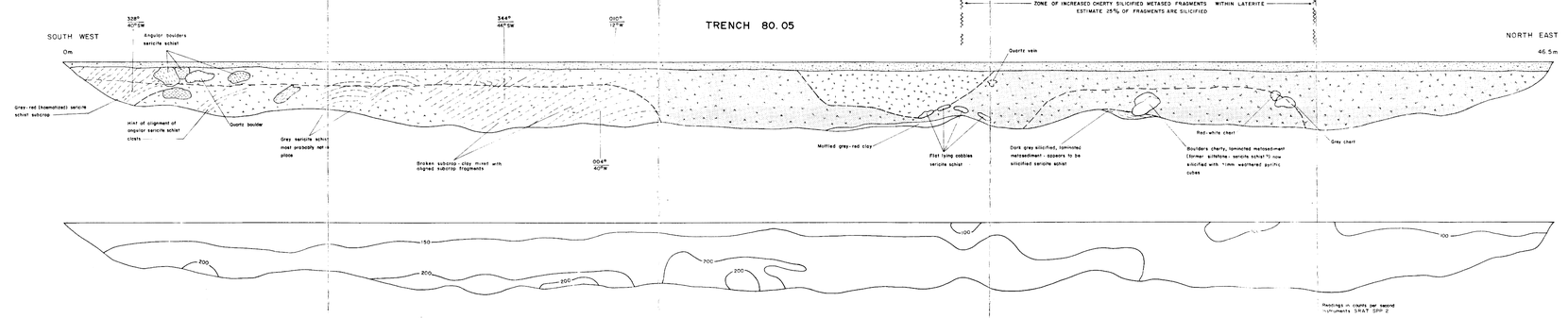
285E

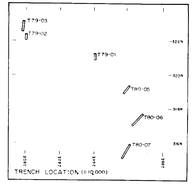
URANERZ AUSTRALIA PTY. LTD.

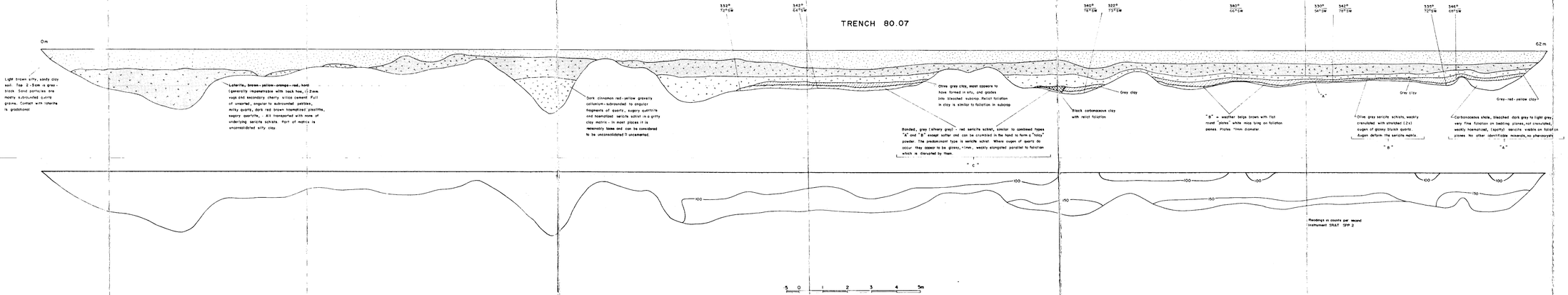
PROJECT PINE CREEK 1
KYLIE AREA EL 1298

TOTAL FIELD GROUND MAGNETIC ANOMALIES

DATE DRAWN Mar 81 FIGURE NO. Map 7
PLAN NO. 200 B 37 REPORT NO.







NOTE:
All strikes and dips are probably metamorphic foliation, not bedding

Light brown silty sandy clay soil

Brown soil, angular cobbles and pebbles of sericite schist and milky vein quartz

Grey-red yellow brown clasts of angular sericite schist from grit to cobble size in silty clay matrix, weakly laterized

Angular to subrounded grit, pebbles, cobbles and boulders of quartzite and haematized sericite schist in orange red clay matrix, weakly laterized

Rounded haematized pebbles of sericite schist in clay, silt matrix

Weathered outcrop, assumed to be in situ unless otherwise noted, with apparent foliation as mapped on trench wall

Boundary between red material(above) and buff yellow grey material below

NORTHERN TERRITORY GEOLOGICAL SURVEY

CR81/176

For surface geological plan refer to Fig 13

URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK I
S. E. KYLIE EL1298
GEOLOGY AND RADIOMETRY
OF TRENCHES T80-05, 80-07

COMPILED: TN	DATE: OCT 80	TENEMENT:	MAP No: 6A
DRAWN: P. N.	DATE: MAR 81	PLAN No: 200A57	REPORT No: AR 96
LAST REVISION:		SCALES: 1:50	PROJECT No: 8200
T.C. TO RONN:		REF: 052-8	

TRENCH 80.06

SOUTH

0m

"Laterite"?- unconsolidated type, brown-orange-yellow-red, mostly maroon, totally haematized sub angular fragments of siltstone and shale in a mottled silty clay matrix, little or no secondary silica, some cobbles vein quartz

Subcrop 0 - 70m
The lower part of the trench is in a unit of schistose shaley metasediments from 0 - 70m. Principal types :-
1. Very fine grained grey brown sericitic shale
2. Light grey finely laminated sericitic schists or shales

(Visible sericite on foliation / bedding planes)
+ glassy blue quartz augen stretched 2:1 + - appears to have grown in silica and distorted the foliation. Flakes of white mica (○) ~ 1mm diameter variably present.

45.5m

Brown black gravelly soil, angular to subrounded pebbles milky quartz + haematized siltstones and shales.

Laterite shows relict orientation of slabby shale / siltstone / fragments ≅ sub horizontal.

vein quartz

Contact between subcrop and laterite: Also marks boundary between grey (subcrop) and brown-orange colouration. Foliation / bedding often transgresses the boundary.

Relict foliation / visible in laterite

098° / 40°S

076° / 40°S

Very deeply weathered

120° / 50°S

138° / 50°S

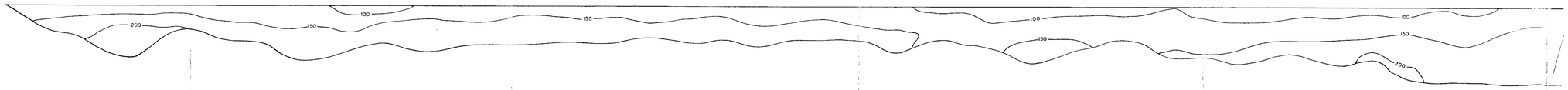
118° / 58°S

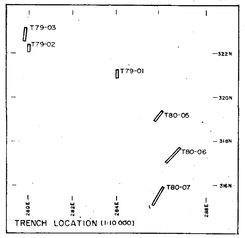
Quartz

170° / 85°W

134° / 45°SW

Very deeply weathered subcrop, in place, mostly broken down to clay, mottled red-grey colour





TRENCH LOCATION (1:10 000)

Brown black gravelly soil angular to subrounded pebbles milky quartz & hematized siltstones and shales

Brown soil, angular cobbles and pebbles of sericite schist and milky vein quartz.

Grey-red-yellow-brown clasts of angular sericite schist from grit to cobble size in silty clay matrix, weakly lateritized.

Grey sericite schists showing apparent foliation as mapped on trench wall. Contains quartz.

NORTH

46m

90m

126° / 70°SW

Mottled buff red yellow clay above subcrop.

182° / 65°W

220° / 80°N

060° / 90° 050° / 90°

020° / 90° 176° / 82°E

Becoming very deeply weathered.

Boulder purple haematized metased. with fine sandy matrix.

Boulder silicified carb. shale

Dark red and black mottled strongly haematized clay

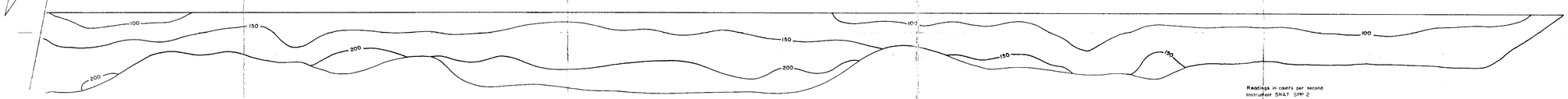
Yellow-brown-red clay laterite, angular fragments shale / siltstone + fragments breccia.

Shales and siltstones are same as those in subcrop from 0 - 70m

Breccia boulders - grey shale, chert, vein quartz in sandy red matrix.
Note: This is unlike the breccias visible on surface i.e. silicified siltstones in grey red cherty matrix

115° / 78°S

Deeply weathered carbonaceous shale subcrop



Readings in counts per second
Instrument SRAT SPP 2

5 0 10 20 30 40 50m

1:50
Vert & Horiz

NORTHERN TERRITORY GEOLOGICAL SURVEY

CR 81/176

*For surface geological plan refer to Fig 13

URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK I
S. E. KYLIE EL 1298
GEOLOGY AND RADIOMETRY
OF TRENCH T80-06

COMPILED: JR	DATE: OCT 1980	TENEMENT:	MAP No: 68
DRAWN: R.N.	DATE: MAR 1981	PLAN No: 200458	REPORT No: AR 98
LAST REVISION:		SCALE: 1:50	PROJECT No: 8200
T.C. TO BONN:		REF: 052-8	

F13·15

13°09'

N

39 000N

38 000N

20 800E

13°10'

37 000N

21 100E

36 000N

21 300E

22 000E

23 000E

13°11'

35 000N

34 000N

24 000E

33 200N

25 000E

-13·20

13°12'

130·9

130°54'

55'

130°56'

130·93°

0341 Hole location and number
22 Hole depth in metres
8 Hole reached bedrock

100 0 200 400 600 800 1000m
1:10000

LOCATION MAP

Darwin

NORTHERN TERRITORY
GEOLOGICAL SURVEY

CR81/176

URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK
BATCHELOR AREA
EL 1298

COMPILED:	DATE:	TENEMENT:	MAP No: 8
DRAWN: RH	DATE: MAY 80	PLAN No: 200E24	REPORT No:
LAST REVISION		SCALE: 1:10000	PROJECT No: 200
T.C. TO BONN		REF: D 52-8	

35 700N

35 100N

34 500N

34 100N

34 000N

33 000N

32 000N

31 000N

25 000E

26 000E

27 000E

28 000E

29 000E

31 000E

32 000E

32 100N

13°H'

12'

13°13'

56'

130°57'

58'

130°59'

131°00'

N

13-183

-13-216

130-95

NORTHERN TERRITORY
GEOLOGICAL SURVEY

CR81/176

LOCATION MAP

Darwin

100 0 200 400 600 800 1000m

1:10000

URANERZ AUSTRALIA PTY. LTD.

PROJECT PINE CREEK
BATCHELOR AREA
EL 1298

DRILLING STATUS

COMPILED:	DATE:	TENEMENT:	MAP No: 9
DRAWN: RH	DATE: MAY 80	PLAN No: 200E21	REPORT No:
LAST REVISION:		SCALE: 1:10000	PROJECT No: 200
T.C. TO BONN:		REF: D 52-8	

4135 continued to 4143 of 3/2N