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1. SUMMARY

Stream sediment samples collected during the past year have provided a more complete coverage of the area south of the Mt Jukes road and the Specimen Creek areas. As the stream sediment geochemistry continued to highlight the gold-base metal potential of the Lynch-Specimen Creek area, A grid was established over the area and soil samples collected. Gold assays were very disappointing however some copper-zinc anomalism was noted in soils collected over the portions of the andesitic unit. Disappointing gold and base metal results were returned from outcrop samples collected from the H.E.C.'s power tunnel.

2. INTRODUCTION

Lynchford E.L. 47/83 is centred some seven kilometres south of Queenstown and covers an area of approximately thirty two square kilometres, see TASH 2865. The exploration licence was granted to CRA Exploration in March 1985. This report describes the work carried out on the E.L. for the period February 1987 to February 1988.

3. CONCLUSIONS

Stream sediment sampling carried out south of the Mount Jukes road failed to define any significant gold or base metal anomalies. Further work in the Specimen Creek area failed to detect any gold in soils however a zone of anomalous Cu-Zn-Ba soil geochemistry was located in the region of the previously identified fuchsitic alteration.

4. RECOMMENDATIONS

1. The EL should be renewed for a further year in order to continue exploration.
2. A UTEM survey be carried out along lines 2400N and 2600N in an effort to define drill targets.
3. When the HEC resume tunnelling within the E.L. the new exposure should be examined and sampled.
4. The Specimen Creek adit be channel sampled.
5. Specimen Creek, upstream of the adits, be traversed and sampled.

5. GEOLOGY

The most up to date regional mapping is to be found on the recently released Department of Mines Lyell Sheet 1:50 000 scale. Examination of the aeromagnetic data prompted W. Shepherd to propose the existence of a set of north-west south-east trending faults, see TASH 3431. These faults are orientated parallel<sup>6</sup> ones mapped around Jukes Proprietary and do not always appear to displace the stratigraphy.

5.1 Cambrian (Mt Read Volcanics)

North of the King River the Mt. Read Volcanics present belong to the Western Volcano sedimentary sequence of Corbett (1979). They comprise greywackes, shales, vitric tuffs, quartz-phyric tuffs, agglomerates and basic lavas. Major quartz feldspar porphyry bodies within the sequence may be instrusive.

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Structurally the succession is anticlinal about a NNE-SSW axis. The most significant volcanic components in this Western Sequence are the basic lavas and tuffs within the core of the anticline and those on its western limb in the Lynch Creek area. In that area the basics are overlain by tuffs and agglomerates, the uppermost Cambrian units within the EL, which are in turn unconformably overlain by the Ordovician Pioneer Beds.

The Western Sequence strikes south of the King River where it is flanked to the east by units of the Central Volcanics (Corbett 1979). These are dominantly feldspar porphyries, feldspar phytic tuffs and some shales and sandstones. The contact between Western Sequence and Central Volcanics may be represented by schistose zone exposed in the Mt. Jukes-Lynchford road.

#### 5.2 Ordovician to Quaternary

A 10-20m sequence of sandstones conglomerate and calcareous siltstones, correlates of the lowermost Owen Conglomerate or Pioneer Beds, unconformably overlies the volcanics in the west of the EL. It is succeeded conformably by the Gordon Limestone then Silurian sandstones and shales. Overlying the Silurian sediments is a sequence of Devonian fine grained sandstone with minor siltstone and sandstone interbeds. The absence of Owen Conglomerate in this western part appears to be a primary depositional feature reflecting control of sedimentation by major faults east of the EL.

In the south of the EL moderate thicknesses of Owen Conglomerate are present overlying the Mt. Read Volcanics. The nature of the change between minimal deposition of Ordovician clastics (Pioneer Beds) in the north to the deposition of a significant thickness of Owen Conglomerate to the south is not known but a major fault controlling primary deposition is suspected.

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6. GEOCHEMISTRY6.1 Stream and Rock Chip Geochemistry

Additional stream sediment sampling was carried out in the Specimen Creek area and in streams draining the area south of the Mount Jukes road. During November a helicopter was hired and we attempted to collect samples from tributaries of the Garfield River draining the very south of the E.L. The extremely thick vegetation cover and lack of gravel bars prevented the helicopter from setting down and consequently the sampling was abandoned. To obtain adequate coverage of this area it would be necessary to walk in, probably from the southern most point of the Mt Jukes road.

Eight minus 80 mesh and cyanide leach samples were collected from creeks south of the Mount Jukes road, these gave adequate coverage of the E.L. down to 5 329 000mN. Base metal values were uniformly low, maximum values of 20ppm, 45ppm and 45ppm were recorded for copper, lead and zinc respectively, see TASH 3102. Two of the cyanide leach samples collected returned weakly anomalous gold assays, (950 and 1000ppt Au). These anomalies are attributed to the alluvial gold workings located along Newall Creek. The minus 80# samples collected all returned less than 0.05ppm Au.

A total of nine -80 mesh, nine cyanide leach and seven outcrop/float samples were collected from the Specimen Creek area. Seven out of the nine cyanide leach samples returned highly anomalous gold assays, maximum 616ppb Au. Resampling of the headwaters of Specimen Creek, sample numbers 1652960 and 62, returned 7200ppt and 2050ppt respectively. The corresponding minus 80 mesh samples returned less than 0.02ppm Au. It is thought that the cyanide leach anomaly is due to fine gold shed from areas upstream of known workings.

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The fineness of the gold suggests that it may be due to a different style of mineralization to that seen in the Specimen Creek adit. This is supported by the fact that the gold in the Speciment Creek adit is thought to be vein related. One sample of vein material (1232976) collected from the dump at the entrance of the Speciment Creek adit returned 1.30ppm Au. The adit is dry and appears sound from the entrance. It should be mapped and channel sampled during the next stage of exploration.

The H.E.C.'s King River power tunnel was inspected and selected grab samples collected, see TASH 3573. The tunnel is driven through a Cambrian quartz-feldspar porphyry unit which is occasionally cut by QZ-CHL-CLAY-PY, QZ-CARB-PY and QZ-HE veins. Sampling concentrated on these veins. Gold and base metal values were generally low with only a slight elevation noted in zinc values in samples 1198701 to 703.

In addition to the tunnel sampling, drillhole logs were obtained for the 29 drillholes the H.E.C. drilled on the E.L. during the course of their geological evaluation of the King River Power Development site. The drillholes which, according to the logs, contained sulphides were inspected but none were considered to warrant assaying. In many cases where disseminated pyrite or QZ-CARB-PY veining was noted in the logs no evidence of these could be found in the drillcore.

## 6.2 Soil Geochemistry

A grid was established at right angles to the regional strike over the ground between the King gold mine and several hundred metres south of the Specimen Creek adit. This region is dominantly composed of andesitic lavas/tuffs which host the King gold mine. Both Pickland-Mathers

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International and Cyprus have gridded the area previously however no gold determinations were carried out on the samples collected. "C" horizon soil samples were collected at 25 metre intervals, see TASH 3690 for soil sample number locations.

It was hoped that a significant zone of gold anomalism would be located using soil geochemistry. Unfortunately the maximum gold value returned was 0.02ppm with the vast majority assaying less than 0.01ppm Au, see TASH 3692. All gold determinations were carried out by fire assay using a 50g charge.

Base metal results were more encouraging with zone of anomalous Cu-Zn-Ba soils collected on the western half of lines 2400N and 2600N, see TASH 3691 and 3693. This zone assays greater than 150ppm Cu, 100ppm Zn and variable but anomalous Ba. Maximum Cu-Zn and Ba values are 270ppm, 190ppm and 5150ppm respectively. The anomaly lies just within the andesitic unit and appears to parallel the strike of the regional lithology, this may however, be a function of the grid orientation and contouring. The southern end of the anomaly coincides with the fuchsitic alteration previously identified in Specimen Creek. The Cu-Zn-Ba anomalism is mirrored by a more erratic elevation in As and Mn levels. The locally high Mn levels may be responsible for a degree of scavenging of Pb. Elsewhere in the andesitic, unit rarely coincident anomalous Zn-Cu values were noted, particularly on lines 20400N and 20600N. North of 2600N the base metal levels within the andesite drop markedly, see TASH 3691. No elevation in Au, Cu, Pb or Zn levels was noted on line 2800N. This is surprising in that 2800N passes almost directly over the King gold mine.

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7. LOCATION

Queenstown 1:250 000 Sheet Sk55-5

Franklin 1:100 000 Sheet 8013

8. KEYWORDS

Cambrian, Acid Volcanics, Andesite, Basic Volcanics, Shales, Ordovician, Silurian Sediments, Devonian, Geochem Rocks, Drainage.

9. LIST OF PLANS

<u>TASH No.</u>	<u>Title</u>	<u>Scale</u>	
2865	LYNCHFORD EL 47/83 Location Plan	1:1 000 000	✓
3431	LYNCHFORD EL 47/83 Revised Geological Compilation Plan	1:10 000	✓
2866	LYNCHFORD EL 47/83 Grid Location & Mineral Occurrences	1:10 000	✓
2869	LYNCHFORD EL 47/83 CRAE Geochemical Sampling & Gold Drainage Geochemistry	1:10 000	✓
3102	LYNCHFORD EL 47/83 CRAE Rock & Stream Sediment Geochemistry	1:10 000	
3573	LYNCHFORD EL 47/83 King River Power Outcrop Sample Locations and Results	1:10 000	✓

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3690	LYNCHFORD EL 47/83 Specimen Creek Area Soil Sample Number Location Plan	1:5 000	✓
3691	LYNCHFORD EL 47/83, Specimen Creek Area Cu, Pb, Zn Results	1:5 000	✓
3692	LYNCHFORD EL 47/83 Specimen Creek Area Ag, As, Au Results	1:5 000	✓
3693	LYNCHFORD EL 47/83 Specimen Creek Area Ba, Fe, Mn Results	1:5 000	✓

10. LIST OF APPENDICES

Appendix 1 Geochemical Ledgers - Stream Sediment and Rock Samples.

Appendix 2 Geochemical Ledgers - Soil Sampling.

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APPENDIX 1

GEOCHEMICAL LEDGERS - STREAM SEDIMENT AND

ROCK SAMPLES

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## CRA EXPLORATION PTY. LTD.

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Sample Number	LOCATION		SAMPLE DESC.					SITE DESCRIPTION							ROCK TYPE		METAL CONTENT ppm / %										Geological Observations									
	AMG Co-ordinates		S. Type	Mesh	% Gravel	% Sand	% Silt	Organic	Width	Flow	Bank	Catchment	Vegetation	Staining	Contam.	Silt Rating	Outcrop	Au ppt	Wt % Ag	LOOK	Cu	Pb	Zn	Ag	As	Fe%		B.	M.	M.	Au					
	East	North																																		
32820																																				
651451	37735	5330930	SS	-4	30	10	60	M	3m	F	All	RF					250	6.06																		
452				-80																	15	5	15	<1	14	0.32	<5	45	<2		0.04					
32819																																				
453	377380	5330950		-4	30	10	60	L	3	F	AL	RF					950	6.06																		
454				-80																	15	10	45	<1	9	0.62	<5	55	5		0.03					
32817																																				
455	379950	5330540		-4	60	30	10	L	4	F	AL	RF					<50	4.05																		
456				-80																	15	10	20	<1	7	0.48	<5	30	5		0.01					
32818																																				
457	379730	5330600		-4	60	30	10	L	4	F	AL	RF					1000	4.02																		
458				-80																	20	<5	45	<1	4	0.54	<5	45	10		0.01					
32815																																				
459	379600	5329950		-4													150	5.63																		
460				-80																	10	20	45	<1	5	0.58	<5	35	5		0.01					
32816																																				
461	379650	5329950		-4													500	5.76																		
462				-80																	20	35	35	<1	10	0.67	<5	50	10		<0.01					
GEOCHEMICAL STREAM SEDIMENT SAMPLING LEDGER												DETECTION LIMIT				2	5	2	1	1	0.01	5	5	2	0.01											
												ANALYTICAL METHOD				<																				
Tenement Name: LYNCHFORD												Project:				AMG Zone:				Sheet No.: 01																
Area / Prospect: LYNCHFORD / (Chs near HEC rd)												DPO's: 35037				Laboratory: ALS (BRIS)																				
Map / Photo Ref.: TASH 3/02												Sample No's: 1651451-462				Collected By: FF				Date: 1-10-87																

813019





# CRA EXPLORATION PTY. LIMITED

March 1985

014

SAMPLE NUMBER	LOCATION						ROCK TYPE		MINERALISATION							METAL CONTENT ppm / %									Geological Observations		
	Co-ordinates AMG / Grid		L. PRODUCE	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VISIBLE	STYLE	MAJOR	MINOR	MINOR	GANGUE	LEGS	Cu	Pb	Zn	Ag	As	Fe	Mn		Ni	Au
	East	North				From	To																				
1232976	479380	5335800		F													190	640	60	<1	<1	2-22	6700	30	1-30	Vein qtz with a black mineral coating on fracture surfaces. Dump outside Specimen Ck Abit.	
1232977	"	5335800		F													630	20	70	1	2	7-05	640	40	0-03	Intermediate volcanic, location as above	
1232978	479370	5335800		o/c													370	165	135	3	<1	9-24	3350	140	0-02	Zn mica albite, Acid tuff, HE-SUM structures. Minor chlorite.	
1232979	478400	5336020		o/c													10	25	65	2	<1	7-32	280	10	<0-01	50m from HEC Bl by ch. Fabric volc schist. Some sericite.	
1232980	478750	5335875		o/c													90	25	65	2	<1	7-34	830	50	<0-01	Dark green / gray volcanic, very siliceous, weakly altered.	

GEOCHEMICAL ROCK SAMPLING LEDGER		DETECTION LIMIT		2	5	2	1	1	0-01	5	5	0-01			
		ANALYTICAL METHOD		← ICS80 →									p.m.209		
TENEMENT NAME : LYNCHFORD				PROJECT :				AMG ZONE :				SHEET No. :			
AREA / PROSPECT : Specimen Ck				DPO's : 38750				LABORATORY : ALS (BRIS)							
MAP / PHOTO REF :				SAMPLE No. 1 : 1232976 → 980				COLLECTED BY : FRF				DATE : 20-7-87			

813015



# CRA EXPLORATION PTY. LIMITED

March 1985

SAMPLE NUMBER	LOCATION						ROCK TYPE		MINERALISATION								METAL CONTENT ppm / %									Geological Observations	
	Co-ordinates AMG / Grid		LAPORUSI	S. TYPE	WIDTH (m)	Interval		MAJOR ROCK	MINOR ROCK	ALTERATION	VEIN	STYLE	MAJOR	MINOR	MINOR	CAMOUF	LOGE	Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo		Au
	East	North				DIST	A																				
1198701	378940	331781	OK			6790											15	10	150	1	10	4.05	450	<2	0.02	Vein fill, milky with chl inclusions	QTZ
1198702	378950	331780	OK			6778											60	20	240	1	10	7.05	1350	<2	0.01	Vein material, CHL-CHL	QTZ-
1198703	378960	331779	OK			6770											35	25	310	2	16	5.27	6000	<2	0.02	Vein material, QZ-CHL	
1198704	378974	331776	OK			6755											20	15	70	2	9	5.26	1500	<2	0.01	Strongly deformed QZ-FLD-CHL tuff (Western seq.)	CHL-QTZ veins.
1198705	379002	331774	OK			6725											5	35	65	1	7	1.98	830	<2	0.02	Vein material. Tension gash QZ-CHL material	
1198706	379040	331769	OK			6685											65	15	55	3	14	4.30	450	<2	0.01	Vein material, QZ-CHL - CLAY - (PYRITE), some CHL rich tuff	
GEOCHEMICAL ROCK SAMPLING LEDGER							DETECTION LIMIT									2	5	2	1	1	0.01	5	2	0.01			
							ANALYTICAL METHOD									←	IC	580									
TENEMENT NAME: LYNCHFORD							PROJECT:							AMG ZONE:							SHEET No.: 01						
AREA / PROSPECT: POWER TUNNEL							DPO's: 35038							LABORATORY: ALS													
MAP / PHOTO REF: See TASH							SAMPLE No.: 1198701 - 1198706							COLLECTED BY: FRF							DATE: 22-9-87						

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CRA EXPLORATION PTY. LIMITED

March 1985

017

SAMPLE NUMBER	LOCATION						ROCK TYPE						MINERALISATION						METAL CONTENT ppm / %						Geological Observations		
	Co-ordinates AMG / Grid		ELEVATION	S. TIME	E. TIME	Interval		MAG. ROCK	MINOR ROCK	ALTER. ZONES	VEINE	STILE	HAUCE	MINOR	MINCI	GANGUE	LOST	Cu	Pb	Zn	Ag	As	Fe%	Mn		Mo	Au
	East	North				From	To																				
1198707	379067	331765		9k		6660											30	105	65	2	8	2.16	340	<2	0.01	Sample of a large qz vein "ladder set". Some chalc in the pyrit veins	
1198708	379085	331765		9c		6640											15	15	20	2	12	3.02	670	<2	0.01	Tuff and qz-CARB - CHL veining.	
1198709	379125	331760		9c		6600											10	20	20	1	9	2.76	500	<2	0.01	Chl <sup>pyrit</sup> <del>tuff</del> and qz-CARB-PY veins.	
1198710	378810	331796		9c		6920	POWER HEAD TUNNEL										10	60	<2	3	16	29.4	320	<2	0.01	Joint/vein filled with specular hematite. Porphyry in Fe stained for Zn.	
1198711	3795505	331000		9c			SPOILS DUMP										2	20	<2	1	14	7.01	120	<2	0.03	Heavily Fe stained volcanic, close to vada / Pioneer beds cont.	
GEOCHEMICAL ROCK SAMPLING LEDGER							DETECTION LIMIT						2	5	2	1	1	0.01	5	2	0.01						
							ANALYTICAL METHOD						← IC 580 →														
TENEMENT NAME: LYNCHFORD							PROJECT:						AMG ZONE:						SHEET No.: 02								
AREA / PROSPECT: POWER TUNNEL							DPO#: 35038						LABORATORY: ALS (BR15)														
MAP / PHOTO REF:							SAMPLE No.: 1198707-1198711						COLLECTED BY: FRF						DATE: 22-9-87								

813018

CRA EXPLORATION PTY. LIMITED

March 1985

018

SAMPLE NUMBER	LOCATION							ROCK TYPE							MINERALISATION							METAL CONTENT ppm / %									Geological Observations
	Co-ordinates AMG / Grid		ELEVATION	S. TYPE	S. STR.	Interval		MAJOR ROCK	MINOR ROCK	ALTER. TATION	VEIN	STY	MAJOR	MINOR	MINOR	GANGUE	USE	Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Au					
	East	North				From	To																								
1198712	374550	5331000	%			spoils		DUMP									880	125	110	9	540	14.3	100	5	0.01	Marcasite clots to 5cm diam, some up cleavage. Silicification & bleaching near marcasite.					
1198713	378350	5332250	%			ck (opp explosives store)											70	45	30	3	42	4.97	130	<2	0.01	Black shale interbedded with euhedral py & pyrite - clay bands. VV graphitic seq.					
1198714	378350	5332250	%			Rd (opp explosives store)											15	20	10	3	<1	0.90	35	<2	0.01	Strongly sericitized felsic porphyry. white. Common shale xenoliths. Occasionally white clay veins.					

GEOCHEMICAL ROCK SAMPLING LEDGER	DETECTION LIMIT			2	5	2	1	1	0.01	5	2	0.01			
	ANALYTICAL METHOD			← ICS80 →									PML04		
TENEMENT NAME: LYNCHFORD	PROJECT:			AMG ZONE:									SHEET No.: 03		
AREA / PROSPECT:	DPO'S: 35038			LABORATORY: ALS (BRIS)											
MAP / PHOTO REF:	SAMPLE No.: 1198712-1198714			COLLECTED BY: FRF									DATE - 22-9-87		

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APPENDIX 2

GEOCHEMICAL LEDGERS - SOIL SAMPLING

# CRA EXPLORATION PTY. LTD.

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SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au	
1654101	2200	2000N	Ch. Soil	15	60	<5	<1	1	0.07	5	<5	230	<0.01	
102	2275	"	"	10	5	10	<1	<1	0.38	15	<5	230	<0.01	
103	2250	"	"	<5	10	10	1	2	1.55	25	<5	590	<0.01	
104	2225	"	"	5	5	<5	<1	<1	0.14	5	<5	90	<0.01	
105	2200	"	"	5	10	5	<1	<1	0.07	<5	<5	80	<0.01	
106	2175	"	"	10	10	<5	<1	<1	0.10	<5	<5	310	<0.01	
107	2150	"	"	<5	<5	<5	<1	<1	0.19	10	<5	<10	<0.01	
108	2125	"	"	10	<5	5	<1	<1	0.11	5	<5	10	<0.01	
109	2100	"	"	15	10	<5	<1	<1	0.09	5	<5	20	<0.01	
110	2075	"	"	<5	<5	<5	<1	<1	0.08	5	<5	260	<0.01	
111	2050	"	"	5	10	<5	<1	<1	0.09	5	<5	120	<0.01	
112	2025	"	"	<5	<5	<5	<1	<1	0.09	5	<5	260	<0.01	
113	2000	"	"	20	15	5	<1	<1	0.10	5	<5	160	<0.01	
114	1975	"	"	10	5	<5	<1	<1	0.04	<5	<5	730	<0.01	
115	1950	"	"	<5	40	25	1	4	9.08	150	<5	940	<0.01	
116	1925	"	"	70	5	35	1	50	7.81	110	<5	1150	<0.01	
117	1900	"	"	155	<5	90	1	7	10.6	390	<5	700	<0.01	
118	1875	"	"	40	<5	15	1	36	6.20	85	<5	690	<0.01	
119	1850	"	"	175	<5	35	1	50	14.7	9050	<5	2000	0.01	
120	1825	"	"	125	<5	30	1	5	11.6	1200	<5	280	<0.01	
DETECTION LIMIT				5	5	5	1	1	5	5	5	<10	<0.01	
ANALYTICAL METHOD				← ECS82					→ XRF1 P209					

Project : SPECIMEN CR GRID	1 : 250 000 Sheet : Q1 TOWN 5455-5 AMG Zone : 55	Sheet No : 1
Tenement : LYNCHFORD EL 47/83	DPO's : 46274	Laboratory : ALS (BRIS)
Area / Prospect :		Collected By : ME/CC Date : 11-1-1988

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## CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations	
	Easting	Northing		Eu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au		
1654-121	1800	2000	C. soil	170	<5	40	2	9	14.9	470	<5	290	.01		
122	1775	"	"	125	<5	50	1	5	11.8	690	<5	190	.01		
123	1750	"	"	150	5	35	1	2	10.0	1500	<5	350	.01		
124	1725	"	"	55	10	20	<1	30	5.00	70	<5	1350	.01		
125	1700	"	"	<5	<5	20	<1	<1	2.73	75	<5	190	<0.01		
126	1675	"	"	10	5	<5	<1	<1	0.46	5	<5	180	<0.01		
127	1650	"	"	15	15	<5	<1	2	0.57	15	<5	370	<0.01		
128	1625	"	"	10	10	50	<1	11	4.99	105	<5	390	<0.01		
129	1600	"	"	10	5	<5	<1	<1	1.80	25	<5	100	<0.01		
130	1575	"	"	15	10	<5	<1	<1	0.18	5	<5	20	<0.01		
131	1550	"	"	10	<5	<5	<1	<1	0.15	10	<5	10	<0.01		
132	1525	"	"	15	5	5	<1	<1	1.79	20	<5	40	<0.01		
133	1500	"	"	5	<5	<5	<1	<1	0.22	5	<5	30	<0.01		
134	1475	"	"	10	<5	10	<1	1	0.91	20	<5	130	<0.01		
135	1450	"	"	<5	<5	20	<1	2	2.02	35	<5	130	<0.01		
136	1425	"	"	20	10	10	<1	3	1.34	20	<5	90	<0.01		
137	1400	"	"	5	<5	<5	<1	6	0.72	10	<5	150	<0.01		
138	1375	"	"	5	15	<5	<1	3	0.21	<5	<5	340	<0.01		
139	1350	"	"	15	<5	5	<1	13	1.40	15	<5	390	<0.01		
140	1325	"	"	20	15	5	<1	4	0.43	10	<5	290	<0.01		
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01		
ANALYTICAL METHOD				← ICS 82								→ ARFI P20%			
Project : SPECIMEN CR GRID				1: 750 000 Sheet : Q1 TOWNSHIPS-5 AMG Zone : 55						Sheet No. : 2					
Tenement : LYNCHFORD EL 47/83				DPO's : 46274						Laboratory : ALS (BRIS)					
Area / Prospect :										Collected By : ME/CC		Date : 11-1-1988			

813022

# CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au	
1654141	1300	2000	C soil	20	<5	<5	<1	1	0.15	<5	<5	540	<0.01	
142	1275	"	"	<5	<5	<5	<1	<1	0.24	5	<5	230	.01	
143	1250	"	"	<5	<5	<5	<1	<1	0.04	<5	<5	120	<0.01	
144	1225	"	"	20	<5	5	<1	<1	0.05	<5	<5	270	<0.01	
145	1200	"	"	10	<5	<5	<1	<1	0.05	<5	<5	190	<0.01	
146	1175	"	"	20	<5	<5	<1	<1	0.11	<5	<5	260	<0.01	
147	1150	"	"	20	<5	<5	<1	<1	0.11	<5	<5	250	<0.01	
148	1125	"	"	<5	<5	50	<1	3	9.85	300	<5	200	<0.01	
149	1100	"	"	<5	<5	80	<1	2	10.4	340	<5	340	<0.01	
150	1075	"	"	<5	<5	60	<1	2	8.69	680	<5	190	<0.01	
151	1050	"	"	<5	<5	75	<1	3	9.77	2000	<5	130	<0.01	
152	1025	"	"	10	<5	15	<1	1	5.39	195	<5	180	<0.01	
153	1000	"	"	<5	<5	25	<1	<1	7.71	175	<5	130	<0.01	
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01	
ANALYTICAL METHOD				← ICS82 → XRF1 PM204										

Project : SPECIMEN CK GRID	1 : 250 000 Sheet : Q1 TOWNSHIP 55-5 AMG Zone : 55	Sheet No. : 3
Tenement : LYNCHFORD EL. 47/83	DPO's : 46274	Laboratory : ALS (BRIS)
Area / Prospect :		Collected By : ME/CC Date : 11-1-1988

813023

# CRA EXPLORATION PTY. LTD.

023

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au	
1654	1000	22CON	C Soil	<5	<5	25	<1	<1	11.0	700	<5	100	<0.01	
155	1025	"	"	<5	<5	30	<1	2	11.7	1700	<5	140	<0.01	
156	1050	"	"	<5	<5	20	<1	1	10.9	350	<5	60	<0.01	
157	1075	"	"	<5	<5	30	<1	<1	10.2	350	<5	80	<0.01	
158	1100	"	"	<5	<5	30	<1	2	8.83	370	<5	120	<0.01	
159	1125	"	"	<5	<5	15	<1	2	5.95	175	<5	40	<0.01	
160	1150	"	"	<5	<5	15	<1	<1	7.63	370	<5	80	<0.01	
161	1175	"	"	<5	<5	<5	<1	<1	0.61	10	<5	250	<0.01	
162	1200	"	"	<5	<5	<5	<1	<1	0.17	5	<5	300	<0.01	
163	1225	"	"	10	<5	<5	<1	<1	0.08	<5	<5	220	<0.01	
164	1250	"	"	<5	<5	<5	<1	<1	0.08	<5	<5	240	<0.01	
165	1275	"	"	<5	<5	<5	<1	<1	0.07	<5	<5	360	<0.01	
166	1300	"	"	5	<5	5	<1	<1	0.11	10	<5	150	<0.01	
167	1325	"	"	<5	<5	30	<1	5	3.27	70	<5	460	<0.01	
168	1350	"	"	35	5	40	<1	9	4.38	60	<5	900	<0.01	
169	1375	"	"	<5	<5	10	<1	5	1.15	25	<5	430	<0.01	
170	1400	"	"	10	<5	5	<1	17	1.76	20	<5	450	<0.01	
171	1425	"	"	10	<5	10	<1	<1	1.13	15	<5	310	<0.01	
172	1450	"	"	15	<5	85	1	3	6.56	145	<5	140	<0.01	
173	1475	"	"	15	<5	70	1	5	6.46	100	<5	110	<0.01	
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01	
ANALYTICAL METHOD				← ICS 82				→ XRF 1 PM209						

Project : SPECIMEN CR GRID

1 : 250 000 Sheet : Q1 TOWNSHIP 55-5 AMG Zone : 55

Sheet No. : 4

Tenement : LYNCHFORD 2/47/83

DPO's : 46274

Laboratory : ALS (BRIS)

Area / Prospect :

Collected By : ME/CC

Date : 11-1-1988

813024

# CRA EXPLORATION PTY. LTD.

02A

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations	
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au		
1654174	1500	2200N	C Soil	100	15	115	1	2	3.68	770	25	250	40.01		
175	1525	"	"	25	25	20	1	4	4.99	60	25	180	40.01		
176	1550	"	"	25	25	5	21	5	2.33	25	25	40	40.01		
177	1575	"	"	45	15	5	21	3	2.27	25	25	50	40.01		
178	1600	"	"	85	10	35	21	7	5.61	110	25	210	40.01		
179	1625	"	"	75	20	115	1	5	8.78	650	25	350	40.01		
180	1650	"	"	90	30	70	1	6	10.3	260	25	400	40.01		
181	1675	"	"	25	70	85	1	10	10.3	240	25	1050	40.01		
182	1700	"	"	35	25	15	21	21	0.29	10	25	320	40.01		
183	1725	"	"	30	15	15	21	21	1.35	20	25	330	40.01		
184	1750	"	"	155	30	135	1	9	6.04	1750	25	1150	40.01		
185	1775	"	"	300	25	140	2	21	10.2	1000	25	1000	40.01		
186	1800	"	"	105	40	20	1	21	11.3	3300	25	250	40.01		
187	1825	"	"	50	25	15	1	21	8.93	105	25	180	40.01		
188	1850	"	"	155	25	55	1	21	10.6	550	25	470	40.01		
189	1875	"	"	70	25	20	1	6	8.48	100	25	130	40.01		
190	1900	"	"	80	25	30	2	10	13.0	185	25	170	40.01		
191	1925	"	"	90	30	45	1	11	7.95	160	25	180	40.01		
192	1950	"	"	25	105	30	1	34	4.44	120	25	1300	40.01		
193	1975	"	"	30	35	30	1	26	4.64	135	25	450	40.01		
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01		
ANALYTICAL METHOD				← ICS82 → ARFI Pm209											
Project : SPECIMEN CR GRID				1 : 250 000 Sheet : Q1 TOWN SASS 55 AMG Zone : 55								Sheet No : 5			
Tenement : LYNCHFORD EL. 47/83				DPO's : 46274								Laboratory : ALS (BRIS)			
Area / Prospect :												Collected By : ME/CC		Date : 11-1-1988	

813025

CRA EXPLORATION PTY. LTD.

025

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au	
1654194	2000	2200N	C Seal	<5	<5	<5	<1	8	1.67	15	<5	1150	40.01	
195	2025	"	"	15	30	20	1	8	3.78	50	<5	610	40.01	
196	2050	"	"	<5	<5	20	1	10	5.00	50	<5	710	40.01	
197	2075	"	"	<5	<5	25	1	7	4.47	100	<5	590	40.01	
198	2100	"	"	15	<5	<5	<1	5	0.15	<5	<5	40	40.01	
199	2125	"	"	10	<5	30	1	8	3.74	75	<5	1100	40.01	
200	2150	"	"	15	<5	<5	<1	4	1.30	15	<5	560	40.01	
201	2175	"	"	<5	<5	20	1	6	2.83	40	<5	690	40.01	
202	2200	"	"	<5	<5	<5	1	4	1.63	15	<5	410	40.01	
203	2225	"	"	20	10	10	1	7	1.78	20	<5	350	40.01	
204	2250	"	"	<5	15	110	1	10	8.05	580	<5	260	40.01	
205	2275	"	"	<5	<5	25	1	3	2.11	55	<5	600	40.01	
DETECTION LIMIT				5	5	5	1	1	5	5	5	100	0.01	
ANALYTICAL METHOD				← ICS 82				→ XRF 1 PM209						

Project : SPECIMEN CK GRID	1 : 250 000 Sheet : Q1 TOWNSHIP 55-5 AMG Zone : 55	Sheet No. : 6
Tenement : LYNCHFORD EL. 47/83	DPO's : 46274	Laboratory : ALS (BRIS)
Area / Prospect :		Collected By : ME/CC Date : 11-1-1988

813026

# CRA EXPLORATION PTY. LTD.

038

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au	
1654206	1000	2400	C Soil	35	<5	65	1	13	5.23	380	<5	510	<0.01	
207	1085	"	"	65	<5	15	1	32	8.74	110	<5	160	<0.01	
208	1050	"	"	75	35	80	1	22	8.53	480	<5	970	<0.01	
209	1075	"	"	100	35	50	1	16	4.75	150	<5	790	<0.01	
210	1100	"	"	90	5	60	1	16	6.75	260	<5	1200	<0.01	
211	1125	"	"	270	<5	130	1	17	6.40	370	<5	730	<0.01	
212	1150	"	"	220	<5	140	1	28	7.19	270	<5	1250	<0.01	
213	1175	"	"	180	10	85	1	17	5.90	410	<5	1200	<0.01	
214	1200	"	"	95	50	40	1	20	4.99	270	<5	1300	<0.01	
215	1225	"	"	250	20	75	1	14	5.54	2550	<5	5150	<0.01	
216	1250	"	"	185	30	90	1	20	6.05	670	<5	860	<0.01	
217	1275	"	"	260	30	110	1	26	7.32	510	<5	810	<0.01	
218	1300	"	"	145	<5	110	1	14	7.29	350	<5	760	<0.01	
219	1325	"	"	150	70	115	1	30	8.82	390	<5	980	<0.01	
220	1350	"	"	140	50	130	1	12	7.38	970	<5	820	<0.01	
221	1375	"	"	170	<5	95	1	18	6.67	2100	<5	1300	<0.01	
222	1400	"	"	105	25	60	1	17	6.83	270	<5	810	<0.01	
223	1425	"	"	105	<5	70	1	6	5.94	410	<5	1130	<0.01	
224	1450	"	"	130	15	190	2	5	8.28	650	<5	1010	<0.01	
225	1475	"	"	130	<5	155	1	10	8.38	1150	<5	800	<0.01	
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01	
ANALYTICAL METHOD				← EC582 → XRF1 Pm209										

Project : SPECIMEN CK GRID	1 : 250 000 Sheet : Q1 TOWNS 5455-5 AMG Zone : 55	Sheet No. : 7
Tenement : LYNCHFORD EL. 47/83	DPO's : 46274	Laboratory : ALS (BRIS)
Area / Prospect :		Collected By : ME/CC Date : 11-1-1988

8-3027

# CRA EXPLORATION PTY. LTD.

027

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations	
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au		
1654226	1500	2400	C Soil	130	30	85	1	15	7.95	1100	<5	730	<0.01		
227	1525	"	"	190	65	85	1	65	7.36	630	<5	710	<0.01		
228	1550	"	"	85	<5	25	1	5	7.32	150	<5	300	<0.01		
229	1575	"	"	85	<5	25	1	6	7.23	165	<5	180	<0.01		
230	1600	"	"	125	<5	65	1	3	8.19	710	<5	540	<0.01		
231	1625	"	"	180	<5	70	1	6	9.00	770	<5	520	<0.01		
232	1650	"	"	175	<5	65	1	6	8.77	3950	<5	790	<0.01		
233	1675	"	"	190	<5	50	1	3	10.4	1300	<5	770	<0.01		
234	1700	"	"	340	<5	120	1	3	9.38	720	<5	1000	<0.01		
235	1725	"	"	130	<5	50	1	5	11.5	310	<5	510	<0.01		
236	1750	"	"	65	<5	65	1	4	6.98	130	<5	410	<0.01		
237	1775	"	"	150	<5	70	2	8	10.8	450	<5	320	<0.01		
238	1800	"	"	165	<5	75	2	4	12.8	420	<5	300	<0.01		
239	1825	"	"	185	<5	45	1	10	13.8	230	<5	210	<0.01		
240	1850	"	"	155	<5	55	1	9	13.1	280	<5	330	<0.01		
241	1875	"	"	80	<5	25	1	3	11.2	390	<5	180	<0.01		
242	1900	"	"	70	<5	30	1	5	24.2	2400	<5	270	<0.01		
243	1925	"	"	85	<5	45	1	3	9.75	290	<5	240	<0.01		
244	1950	"	"	50	<5	25	<1	8	2.11	80	<5	440	<0.01		
245	1975	"	"	310	<5	280	1	13	9.30	1300	<5	260	<0.01		
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01		
ANALYTICAL METHOD				← ICS 82 → ARF1 PM209											

Project : SPECIMEN CR GRID.	1 : 250 000 Sheet : Q1 TOWN 5435-5 AMG Zone : 55	Sheet No : 8
Tenement : LYNCHFORD EL 47/83	DPO's : 46274	Laboratory : ALS (BRIS)
Area / Prospect :		Collected By : ME/CC Date : 11-1-1988

813028

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations	
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au		
1654-246	2000	2400	C Soil	90	<5	45	1	5	10.5	220	<5	110	<0.01		
247	2025	"	"	180	<5	90	1	6	11.9	400	<5	190	<0.01		
248	2050	"	"	170	<5	100	1	4	11.9	430	<5	370	<0.01		
249	2075	"	"	165	<5	85	1	6	5.51	570	<5	1270	<0.01		
250	2100	"	"	200	5	65	1	9	6.44	680	<5	710	<0.01		
251	2125	"	"	65	<5	35	1	5	8.10	180	<5	70	<0.01		
252	2150	"	"	70	<5	25	1	6	6.63	130	<5	80	<0.01		
253	2175	"	"	140	<5	45	1	5	12.6	2000	<5	370	<0.01		
254	2200	"	"	15	45	25	1	7	7.14	140	<5	150	<0.01		
255	2225	"	"	20	<5	<5	<1	<1	0.31	15	<5	210	<0.01		
256	2250	"	"	15	<5	5	<1	<1	0.26	15	<5	30	<0.01		
257	2275	"	"	60	<5	10	<1	<1	0.19	10	<5	30	<0.01		
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01		
ANALYTICAL METHOD				← ICS 82				→ XRF PM209							
Project : SPECIMEN CR GRID			1: 250 000 Sheet : Q1 TOWNS 555-5 AMG Zone : 55						Sheet No. : 9						
Tenement : LYNCHFORD EL. 47/83			DPO's : 46274						Laboratory : ALS (BRIS)						
Area / Prospect :									Collected By : ME/CC Date : 11-1-1988						

813029

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au	
69258	1000	2600	C. Soil	<5	<5	20	1	<1	7.76	145	<5	100	<0.01	
259	1025	"	"	35	<5	30	1	1	6.90	230	<5	770	<0.01	
260	1050	"	"	45	<5	55	1	<1	6.78	250	<5	820	<0.01	
261	1075	"	"	25	<5	70	1	11	9.37	250	<5	660	<0.01	
262	1100	"	"	60	<5	10	1	8	4.59	60	<5	300	<0.01	
263	1125	"	"	40	<5	15	1	20	9.34	85	<5	640	<0.01	
264	1150	"	"	35	15	15	1	22	5.80	60	<5	710	<0.01	
265	1175	"	"	40	45	15	1	17	9.58	90	<5	770	<0.01	
266	1200	"	"	45	40	5	1	30	5.96	55	<5	930	<0.01	
267	1225	"	"	25	50	15	1	20	6.87	65	<5	850	<0.01	
268	1250	"	"	130	800	120	1	50	9.73	290	<5	1560	<0.01	
269	1275	"	"	220	190	185	1	50	16.8	1.53%	<5	1210	<0.01	
270	1300	"	"	165	25	190	1	60	11.3	1100	<5	360	<0.01	
271	1325	"	"	170	10	95	1	55	10.3	1050	<5	500	<0.01	
272	1350	"	"	210	<5	100	1	22	10.3	920	<5	710	<0.01	
273	1375	"	"	185	<5	30	1	11	9.35	330	<5	380	<0.01	
274	1400	"	"	195	15	40	1	16	12.6	220	<5	760	<0.01	
275	1425	"	"	115	70	45	1	3	12.7	1100	<5	180	<0.01	
276	1450	"	"	75	<5	25	1	16	11.6	210	<5	340	<0.01	
277	1475	"	"	50	40	25	1	14	8.95	270	<5	320	<0.01	
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01	
ANALYTICAL METHOD				← ICS 82 → XRF1 P204										

Project : SPECIMEN CR GRID	1 : 250 000 Sheet : Q1 TOWN S555-5 AMG Zone : 55	Sheet No. : 10
Tenement : LYNCHFORD EL. 47/83	DPO's : 46274	Laboratory : ALS (BRIS)
Area / Prospect :		Collected By : M/C/CC Date : 11 1 1988

813030

030

## CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations	
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au		
654278	1500	2600	C. Soil	135	40	85	1	20	13.2	1200	<5	330	<0.01		
279	1525	"	"	105	15	85	1	16	10.2	1250	<5	200	<0.01		
280	1550	"	"	65	30	60	1	19	11.6	240	<5	110	<0.01		
281	1575	"	"	50	<5	10	1	13	10.2	135	<5	280	<0.01		
282	1600	"	"	95	<5	40	1	14	11.5	390	<5	310	<0.01		
283	1625	"	"	200	<5	65	1	26	9.78	1050	<5	300	<0.01		
284	1650	"	"	160	75	65	1	19	6.47	1200	<5	1050	<0.01		
285	1675	"	"	200	<5	60	1	12	9.34	460	<5	840	<0.01		
286	1700	"	"	125	5	35	1	10	9.69	210	<5	410	<0.01		
287	1725	"	"	80	<5	60	1	8	10.4	530	<5	450	<0.01		
288	1750	"	"	155	<5	100	1	6	6.22	920	<5	990	<0.01		
289	1775	"	"	160	45	85	1	17	7.23	510	<5	830	<0.01		
290	1800	"	"	195	<5	130	1	16	9.61	1100	<5	1350	<0.01		
291	1825	"	"	180	80	55	1	20	7.36	430	<5	410	<0.01		
292	1850	"	"	90	40	160	2	22	13.4	1.21%	<5	1400	<0.01		
293	1875	"	"	80	10	40	1	9	9.25	260	<5	210	<0.01		
294	1900	"	"	75	5	25	2	11	11.6	860	<5	160	<0.01		
295	1925	"	"	125	20	35	1	6	9.68	1850	<5	140	<0.01		
296	1950	"	"	125	15	110	2	7	9.05	2150	<5	1050	<0.01		
297	1975	"	"	130	30	95	2	12	8.17	3300	<5	390	<0.01		
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01		
ANALYTICAL METHOD				← EC582 → AREF PM29											

Project: SPECIMEN CK GRID

1: 250 000 Sheet: Q1 TOWN 5655-5 AMG Zone: 55

Sheet No.: 11

Element: LYNCHFORD EL. 47/83

DPO's: 46274

Laboratory: ALS (BRIS)

Area / Prospect:

Collected By: MC/CC

Date: 11/1988

813031

131

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations	
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au		
54298	2000	2600	L Soil	140	40	90	1	14	10.9	2100	<5	470	<0.01		
299	2025	"	"	65	<5	20	2	7	9.98	260	<5	150	<0.01		
300	2050	"	"	95	<5	25	2	10	12.6	500	<5	150	<0.01		
301	2075	"	"	140	35	55	2	11	10.6	650	<5	250	<0.01		
302	2100	"	"	140	15	80	1	10	9.37	1050	<5	280	<0.01		
303	2125	"	"	70	20	70	1	16	7.61	5300	<5	200	<0.01		
304	2150	"	"	160	55	35	1	11	3.64	155	<5	220	<0.01		
305	2175	"	"	20	15	30	1	13	3.71	70	<5	210	<0.01		
306	2200	"	"	15	10	5	1	6	3.42	40	<5	160	<0.01		
307	2225	"	"	20	<5	40	1	6	6.72	130	<5	120	<0.01		
308	2250	"	"	5	<5	15	1	5	4.62	85	<5	140	<0.01		
309	2275	"	"	25	<5	<5	1	8	2.89	45	<5	90	<0.01		
310	2300	"	"	20	5	<5	<1	3	1.70	30	<5	60	<0.01		
DETECTION LIMIT				5	5	5	1	1	5	5	5	100	0.01		
ANALYTICAL METHOD				← ICS82 → XRF1 Pm209											

Project: SPECIMEN CR GRID	1:250 000 Sheet: Q1 TOWNSHIP 55-5 AMG Zone: 55	Sheet No.: 12
Location: LYNCHFORD cr. 47/83	DPO's: 46274	Laboratory: ALS (BRIS)
Area / Prospect:		Collected By: MLC/CC Date: 11 988

813032

# CRA EXPLORATION PTY. LTD.



SAMPLE NUMBER	LOCATION			ANALYSES										Geological Observations	
	Easting	Northing	Sample Type	Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au		
311	1000	1800	C. Soil	<5	10	30	1	4	7.52	310	<5	360	4.01		
312	1025	"	"	20	10	45	1	9	6.71	590	<5	630	4.01		
313	1050	"	"	<5	<5	40	1	7	8.53	430	<5	610	4.01		
314	1075	"	"	<5	<5	35	1	5	9.45	370	<5	540	4.01		
315	1100	"	"	<5	<5	50	1	5	9.17	280	<5	370	4.01		
316	1125	"	"	<5	<5	30	1	5	9.39	860	<5	340	4.01		
317	1150	"	"	45	20	10	1	3	6.92	95	<5	230	4.01		
318	1175	"	"	120	65	40	1	20	2.87	320	<5	300	4.01		
319	1200	"	"	120	20	35	1	38	8.66	850	<5	490	4.01		
320	1225	"	"	60	40	25	1	13	7.50	195	<5	260	4.01		
321	1250	"	"	75	90	50	1	10	7.75	390	<5	240	4.01		
322	1275	"	"	75	25	45	1	13	9.98	280	<5	390	4.01		
323	1300	"	"	100	5	55	1	9	10.6	410	<5	200	4.01		
324	1325	"	"	105	5	40	1	9	8.87	420	<5	240	4.01		
325	1350	"	"	85	5	50	1	9	12.7	1400	<5	300	4.01		
326	1375	"	"	160	30	100	1	13	13.4	2.69%	<5	1000	4.01		
327	1400	"	"	165	<5	55	1	17	9.88	570	<5	280	4.01		
328	1425	"	"	95	<5	25	1	9	9.74	420	<5	350	4.01		
329	1450	"	"	90	<5	20	1	26	11.5	160	<5	380	4.01		
330	1475	"	"	110	<5	25	1	16	8.64	490	<5	350	4.01		
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01		
ANALYTICAL METHOD				← ICS 82 → XRF 1 P209											

Project : SPECIMEN CR GRID	1 : 250 000 Sheet : Q1 TOWN 5555-5 AMG Zone : 55	Sheet No. : 13
Element : LYNCHFORD EL. 47/83	DPO's : 46274	Laboratory : ALS (BRIS)
req / Prospect :		Collected By : MC/CC Date : 11 1988

813033

033

CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	LOCATION		Sample Type	ANALYSES										Geological Observations
	Easting	Northing		Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au	
651331	1500	2800	C. Soil	85	15	20	1	16	10.6	150	<5	480	<0.01	
332	1525	"	"	60	<5	10	1	11	5.51	75	<5	150	<0.01	
333	1550	"	"	65	<5	30	1	19	11.1	240	<5	200	<0.01	
334	1575	"	"	90	<5	20	1	24	12.2	1650	<5	420	<0.01	
335	1600	"	"	50	<5	75	1	9	7.10	360	<5	240	<0.01	
336	1625	"	"	105	<5	45	1	11	10.7	540	<5	430	<0.01	
337	1650	"	"	110	<5	35	1	6	10.6	1700	<5	650	<0.01	
338	1675	"	"	65	20	15	1	13	6.54	130	<5	390	<0.01	
339	1700	"	"	90	<5	20	1	11	9.25	720	<5	370	<0.01	
340	1725	"	"	50	<5	15	1	13	9.48	170	<5	430	<0.01	
341	1750	"	"	60	<5	25	1	11	9.62	190	<5	250	<0.01	
342	1775	"	"	105	<5	30	1	24	13.1	430	<5	400	<0.01	
343	1800	"	"	55	<5	15	1	19	16.5	190	<5	350	<0.01	
344	1825	"	"	40	<5	10	1	17	9.35	165	<5	280	<0.01	
345	1850	"	"	65	<5	10	1	48	10.4	2050	<5	340	<0.01	
346	1875	"	"	50	<5	10	1	22	10.6	165	<5	140	<0.01	
347	1900	"	"	65	<5	15	2	24	12.8	250	<5	150	<0.01	
348	1925	"	"	30	<5	10	1	12	9.51	130	<5	130	<0.01	
349	1950	"	"	75	<5	15	1	7	9.73	230	<5	350	<0.01	
350	1975	"	"	65	<5	15	1	11	7.84	230	<5	280	<0.01	
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01	
ANALYTICAL METHOD				← ECS 82 → XRF1 Pm29										

Subject: SPECIMEN CR GRID  
 Scale: 1:250 000 Sheet: Q1 TOWNSESS-S AMG Zone: 55  
 Sheet No.: 14  
 Element: LYNCHFORD EL. 47/83  
 DPO's: 46274  
 Laboratory: ALS (BRIS)  
 Area / Prospect:  
 Collected By: MLC  
 Date: 11 / 1 / 1988

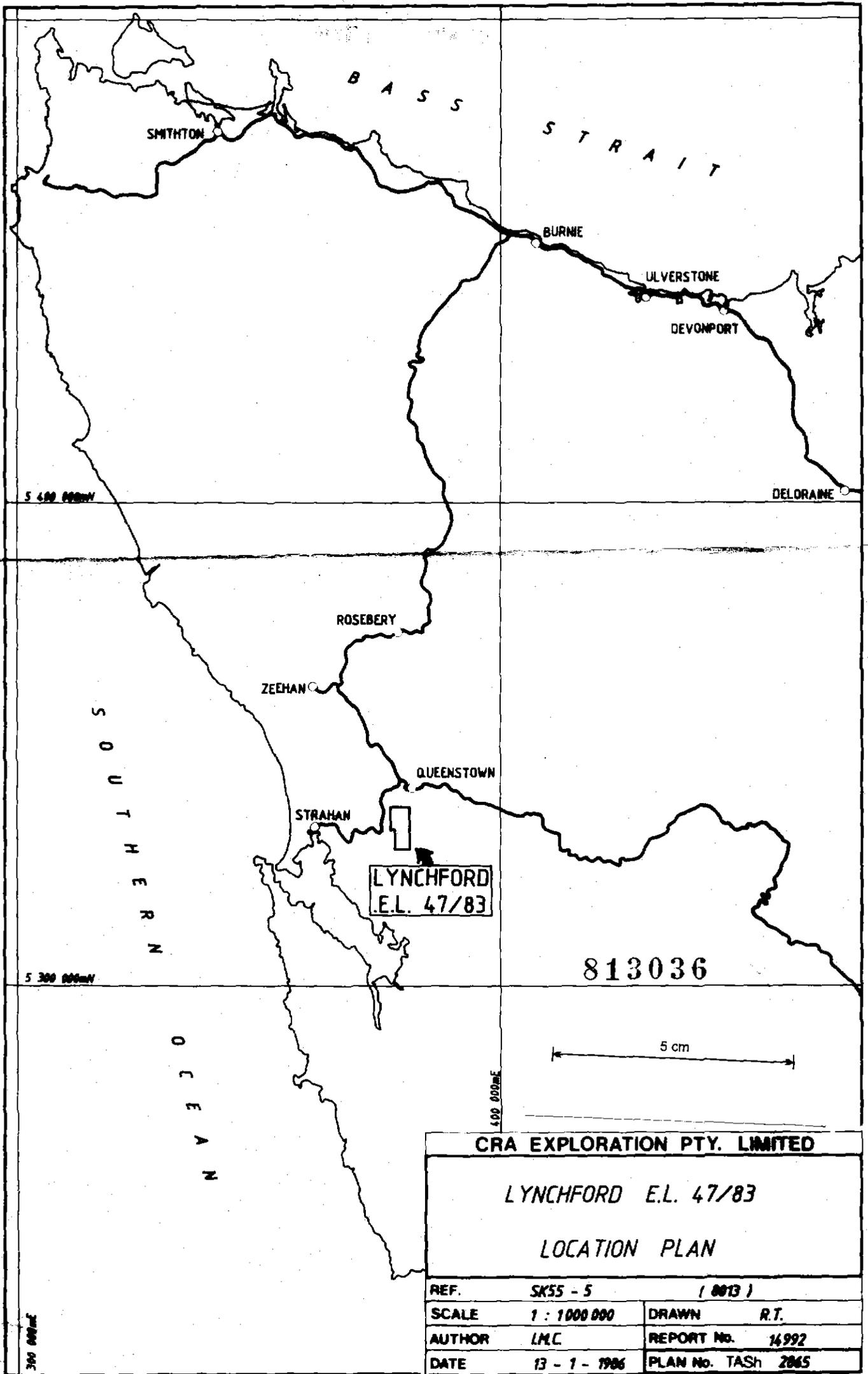
813034

034

## CRA EXPLORATION PTY. LTD.

SAMPLE NUMBER	LOCATION			ANALYSES										Geological Observations	
	Easting	Northing	Sample Type	Cu	Pb	Zn	Ag	As	Fe%	Mn	Mo	Ba	Au		
1654351	2000	2800	C Soil	65	<5	25	1	10	9.62	290	<5	320	<0.01		
352	2025	"		165	<5	115	2	7	12.5	640	<5	260	<0.01		
353	2050	"		55	<5	30	1	3	6.77	320	<5	440	<0.01		
354	2075	"		60	25	35	1	14	2.38	60	<5	390	<0.01		
355	2100	"		5	<5	<5	1	7	3.30	40	<5	130	<0.01		
356	2125	"		15	<5	30	1	2	5.39	90	<5	160	<0.01		
357	2150	"		10	<5	15	1	5	6.45	75	<5	140	<0.01		
358	2175	"		20	<5	20	1	1	2.21	45	<5	130	<0.01		
359	2200	"		20	<5	10	1	<1	1.29	30	<5	120	<0.01		
360	2225	"		20	<5	<5	1	<1	6.76	10	<5	70	<0.01		
361	2250	"		40	<5	<5	1	<1	0.27	10	<5	<10	<0.01		
362	2275	"		25	<5	<5	1	2	0.45	10	<5	10	<0.01		
363	2300	"		<5	<5	10	1	<1	2.37	45	<5	60	<0.01		
DETECTION LIMIT				5	5	5	1	1	5	5	5	10	0.01		
ANALYTICAL METHOD				← ICS 82								→ XRF 1/20/9			
Project : SPECIMEN CR GRID				1 : 250 000 Sheet : Q1 TOWNSHIP 55-55 AMG Zone : 55						Sheet No : 15					
Tenement : LYNCHFORD EL. 47/83				DPD's : 46274						Laboratory : ALS (BRIS)					
Area / Prospect :										Collected By : ME/CC		Date : 11 1 1988			

813035

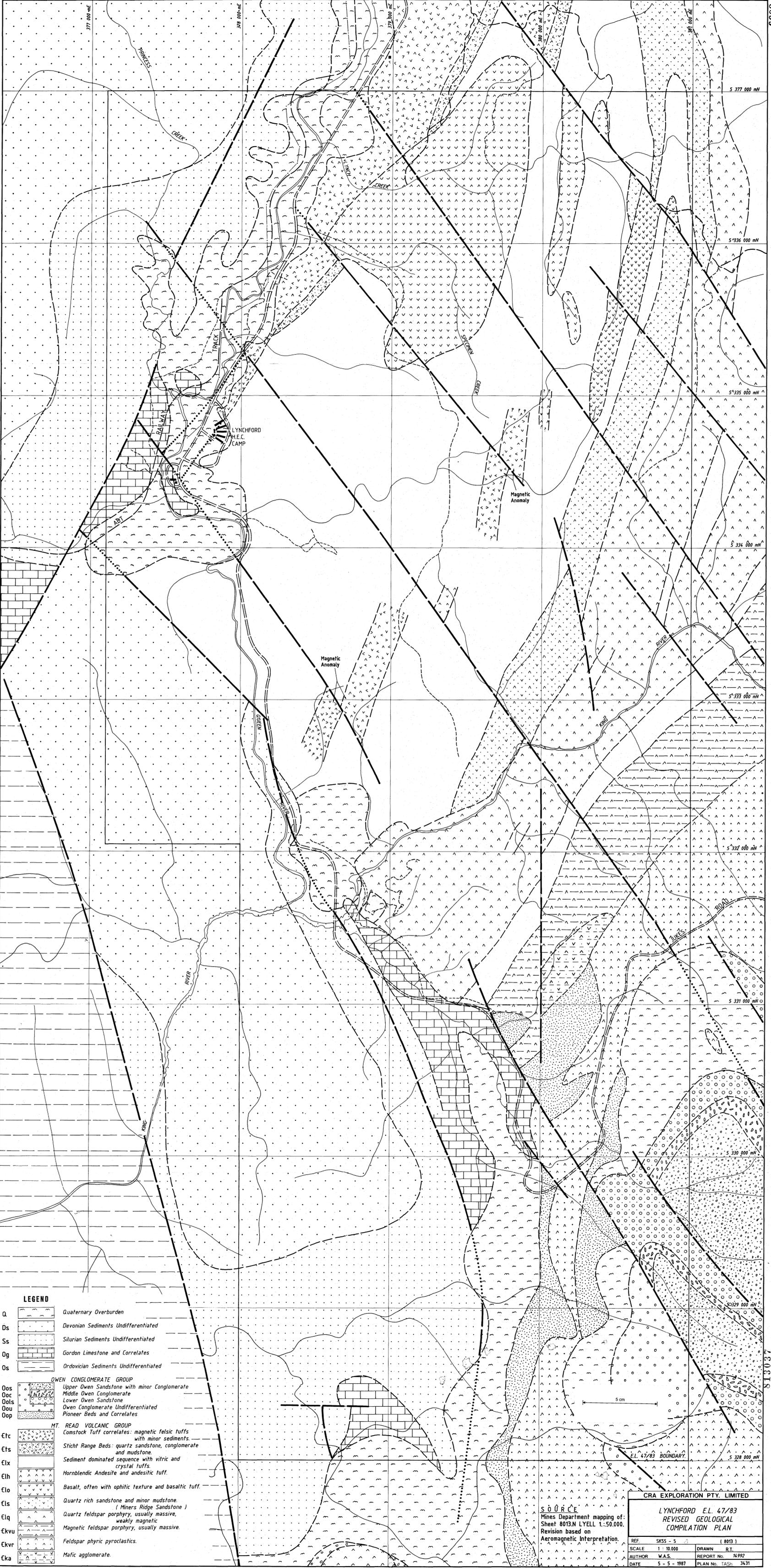


**CRA EXPLORATION PTY. LIMITED**

LYNCHFORD E.L. 47/83

LOCATION PLAN

REF.	SK55 - 5	( 0013 )
SCALE	1 : 1000 000	DRAWN R.T.
AUTHOR	L.M.C.	REPORT No. 14992
DATE	13 - 1 - 1986	PLAN No. TASH 2865

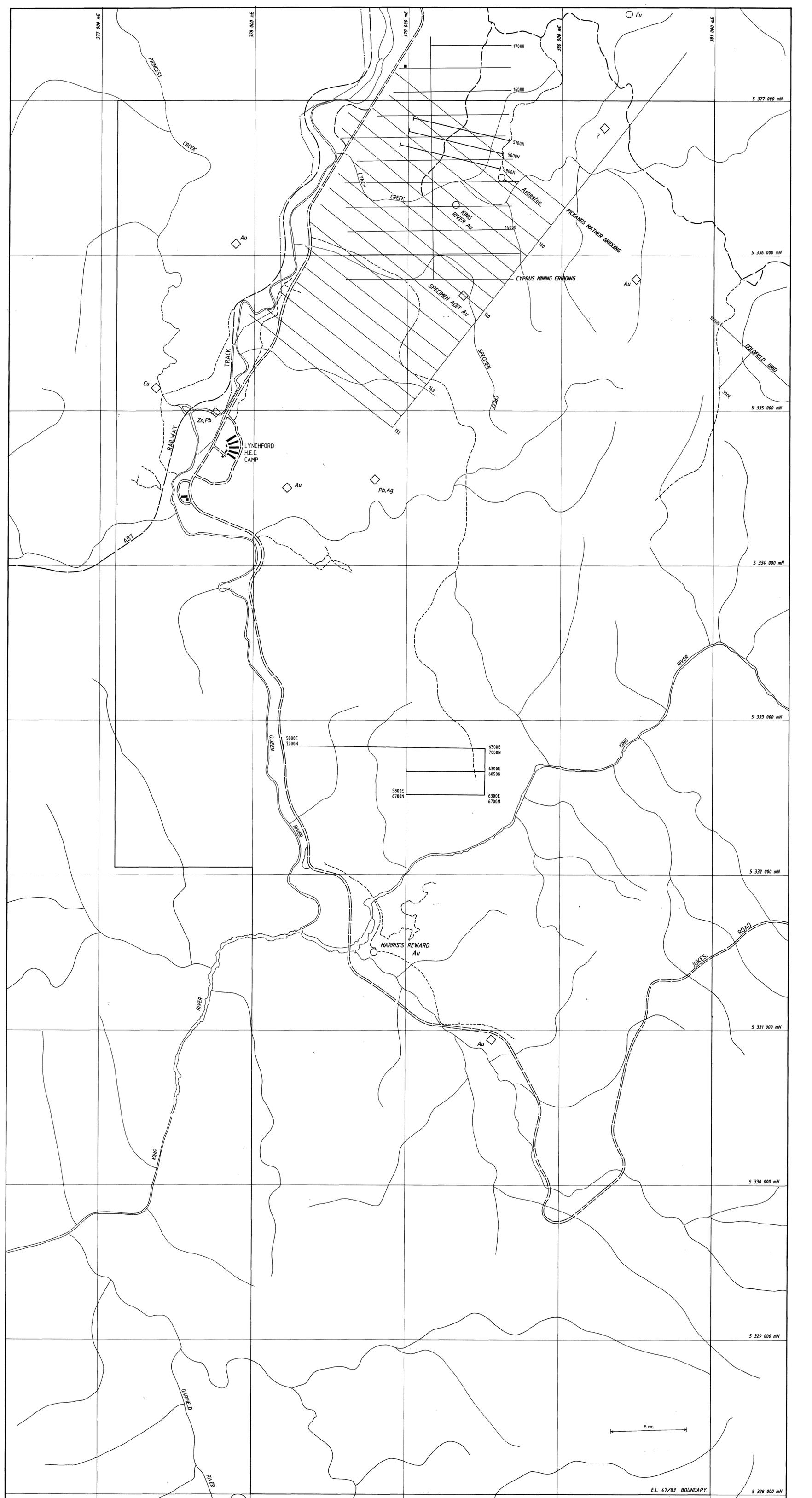


**LEGEND**

Q	Quaternary Overburden
Ds	Devonian Sediments Undifferentiated
Ss	Silurian Sediments Undifferentiated
Og	Gordon Limestone and Correlates
Os	Ordovician Sediments Undifferentiated
Oos	<b>OWEN CONGLOMERATE GROUP</b>
Ooc	Upper Owen Sandstone with minor Conglomerate
Ool	Middle Owen Conglomerate
Oou	Lower Owen Sandstone
Oop	Owen Conglomerate Undifferentiated
	Pioneer Beds and Correlates
MT	<b>READ VOLCANIC GROUP</b>
EtC	Comstock Tuff correlates: magnetic felsic tuffs with minor sediments
EtS	Sticht Range Beds: quartz sandstone, conglomerate and mudstone
Elx	Sediment dominated sequence with vitric and crystal tuffs.
Elh	Hornblende andesite and andesitic tuff.
ElO	Basalt, often with ophitic texture and basaltic tuff.
ElS	Quartz rich sandstone and minor mudstone. (Miners Ridge Sandstone.)
ElQ	Quartz feldspar porphyry, usually massive, weakly magnetic.
EkVU	Magnetic feldspar porphyry, usually massive.
Ekvr	Feldspar phyric pyroclastics.
EkA	Mafic agglomerate.

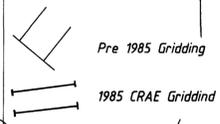
**SOURCE**  
 Mines Department mapping of Sheet 8013.N LYELL 1:50,000. Revision based on Aeromagnetic Interpretation.

CRA EXPLORATION PTY. LIMITED			
LYNCHFORD E.L. 47/83			
REVISED GEOLOGICAL			
COMPILATION PLAN			
REF.	SK55 - 5	(8013)	
SCALE	1:10,000	DRAWN	R.T.
AUTHOR	W.A.S.	REPORT No.	14992
DATE	5-5-1987	PLAN No.	TASh 3431



**MINERAL OCCURRENCES**

- Au Vein Deposit and Commodity
- ◇ Pb Deposit (Unknown Style) and Commodity.

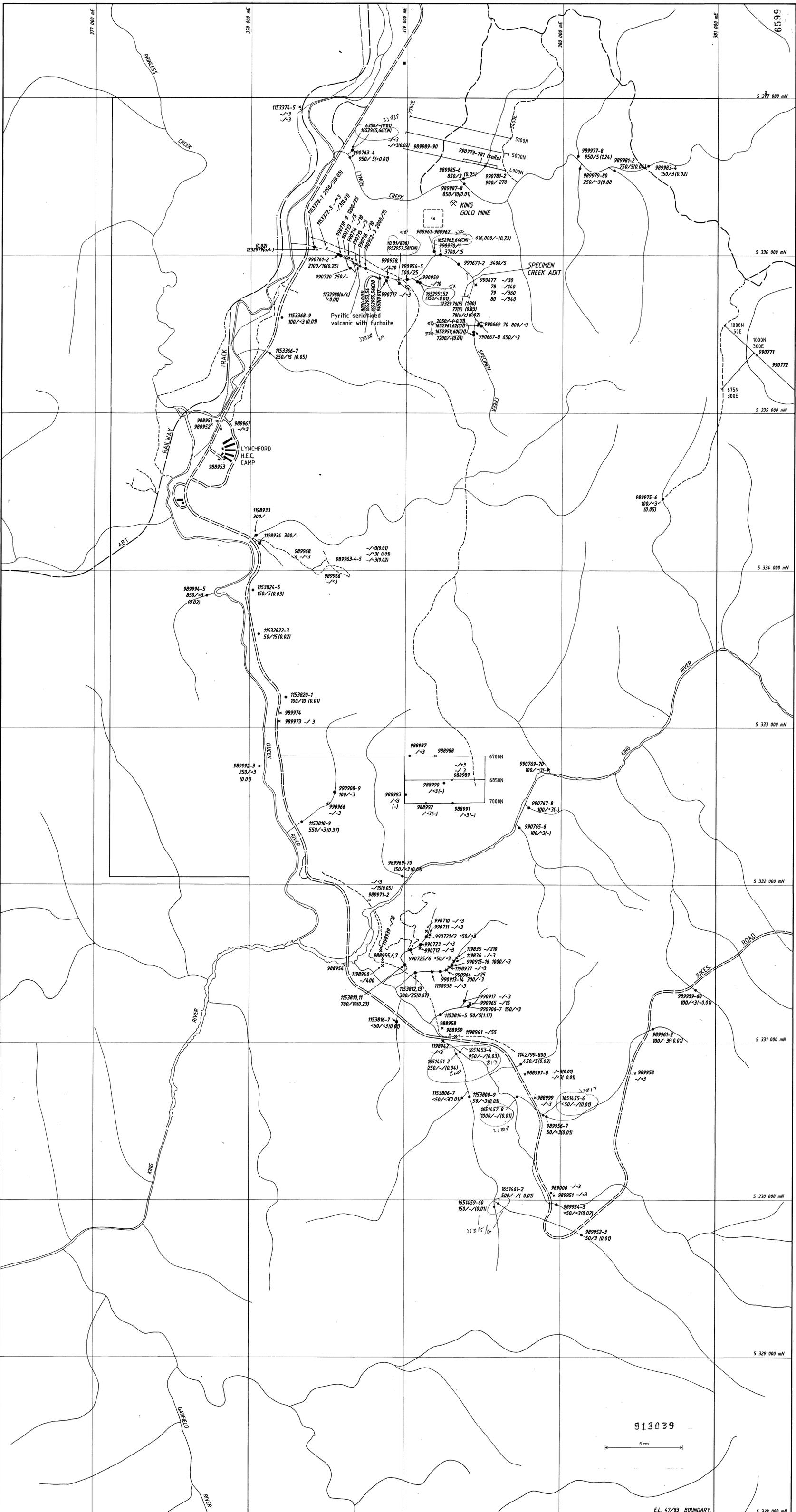


813038  
 CRA EXPLORATION PTY. LIMITED

**LYNCHFORD E.L. 47/83  
 GRID LOCATION PLAN PLUS  
 MINERAL OCCURRENCES**

REF.	SK55 - 5	( 8013 )
SCALE	1 : 10,000	DRAWN R.T.
AUTHOR	IME	REPORT No. 4492
DATE	15 - 1 - 1986	PLAN No. TASH 2066

0099



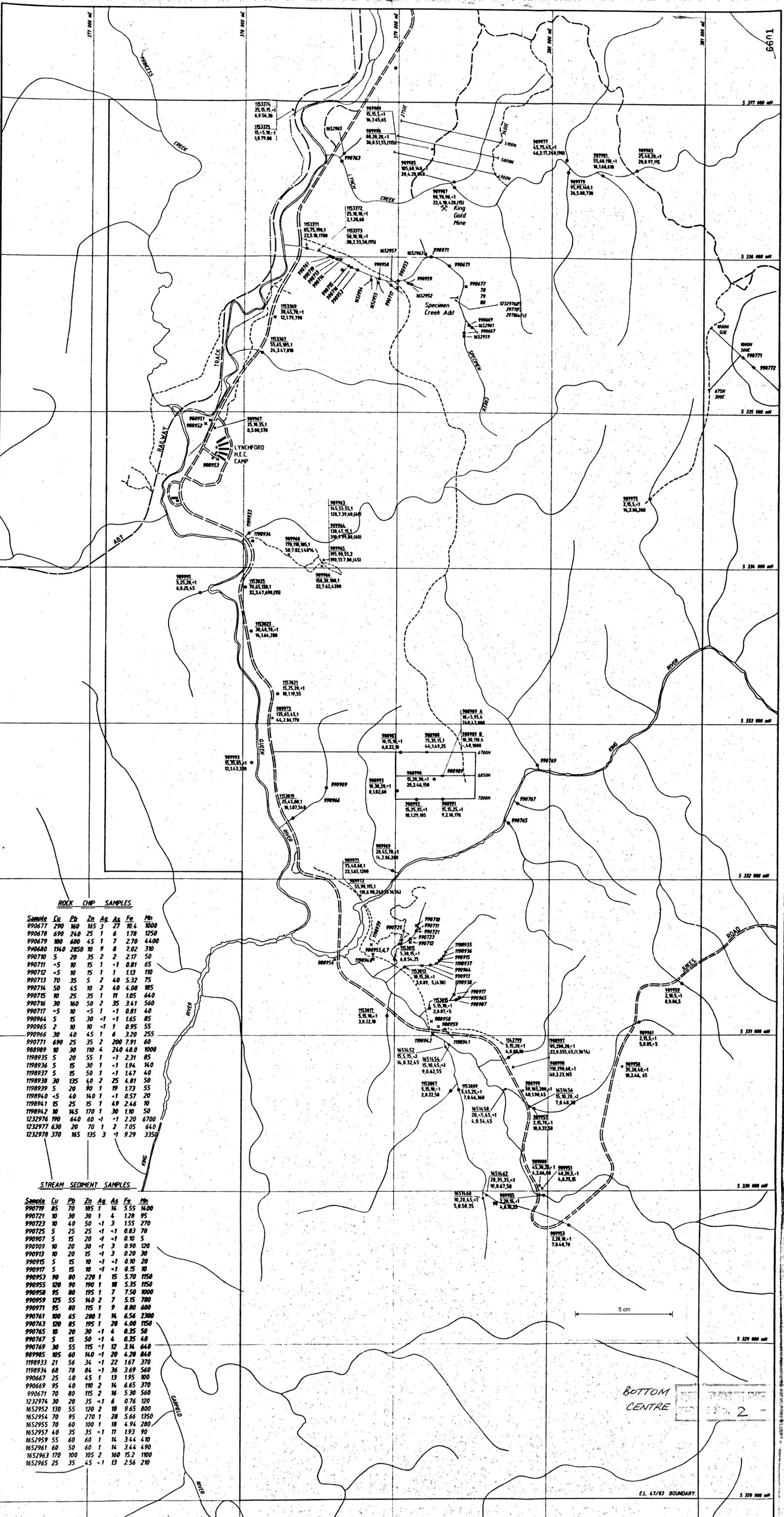
**KEY**

- 989977-8 STREAM SEDIMENT SAMPLE  
Au ppt / Au ppb (Au ppm)  
CN teach / -80 mesh AAS (-80 mesh Fine assay)
- × 989951 ROCK SAMPLE
- 990773 SOIL SAMPLE

CRA EXPLORATION PTY. LIMITED  
 LYNCHFORD E.L. 47/83  
 CRAE GEOCHEMICAL SAMPLING  
 AND GOLD DRAINAGE  
 GEOCHEMISTRY

REF.	SK55 - 5	( 8013 )
SCALE	1 : 10,000	DRAWN R.T.
AUTHOR	I.M.C. / F.R.F.	REPORT No. 14992
DATE	20 - 1 - 1986	PLAN No. TASH 2869

E.L. 47/83 BOUNDARY. 5 328 000 MN



ROCK CHIP SAMPLES

Sample	Cu	Pb	Zn	Ag	As	Fe	Mn
990677	290	160	165	3	27	10.4	1000
990678	690	240	25	1	6	1.78	1250
990679	180	600	45	1	7	2.70	4400
990680	1140	2850	10	9	8	2.02	310
990710	5	20	35	2	2	2.17	50
990711	-5	10	15	1	-1	0.81	65
990712	-5	10	15	1	1	1.13	110
990713	70	35	5	2	4.0	5.32	75
990714	50	45	10	2	4.0	4.08	185
990715	10	25	35	1	11	1.05	640
990716	30	160	50	2	35	3.41	560
990717	-5	10	-5	1	-1	0.95	40
990964	5	15	30	-1	-1	1.65	85
990965	2	10	10	-1	1	0.95	55
990966	30	40	45	1	6	3.20	255
990771	690	25	35	2	200	7.91	60
988989	10	30	110	4	240	48.0	1000
1198935	5	20	55	1	-1	2.31	85
1198936	5	15	30	1	-1	1.94	140
1198937	5	15	50	1	-1	1.47	40
1198938	30	125	40	2	25	4.81	50
1198939	5	20	90	1	19	1.73	55
1198940	-5	40	140	1	-1	0.57	20
1198941	15	25	15	1	4.9	2.44	10
1198942	10	145	170	1	30	1.10	50
1232976	190	640	60	-1	-1	2.20	6700
1232977	630	20	70	1	2	7.05	640
1232978	370	165	135	3	-1	9.29	3350

STREAM SEDIMENT SAMPLES

Sample	Cu	Pb	Zn	Ag	As	Fe	Mn
990719	85	70	185	1	14	5.55	1400
990721	10	30	30	1	4	1.28	95
990723	10	40	50	-1	3	1.55	270
990725	5	25	25	-1	-1	0.83	70
990907	5	15	20	-1	-1	0.10	5
990909	10	20	30	-1	3	0.90	120
990913	10	20	15	-1	3	0.20	30
990915	5	15	10	-1	-1	0.10	20
990917	5	15	10	-1	-1	0.15	10
990953	90	80	220	1	15	5.70	1150
990955	120	90	190	1	10	5.35	1150
990958	95	80	190	1	7	7.50	1000
990959	125	55	140	2	7	5.15	780
990971	95	80	115	1	9	8.00	600
990761	100	45	280	1	14	6.56	2300
990763	120	85	195	1	20	4.00	1150
990765	10	20	30	-1	4	0.35	50
990767	5	15	50	-1	4	0.35	40
990769	30	55	115	-1	12	3.14	640
989985	105	60	140	-1	20	4.28	840
1198933	21	54	34	-1	22	1.67	370
1198934	68	78	84	-1	36	3.69	560
990667	25	40	45	1	13	1.95	100
990669	95	40	100	2	14	6.65	370
990671	70	80	115	2	16	5.30	560
1232974	30	20	35	-1	6	0.76	120
1652952	130	55	120	2	10	9.65	800
1652954	70	95	270	1	20	5.66	1350
1652955	70	60	100	1	10	4.94	280
1652957	40	35	35	-1	11	1.93	90
1652959	55	60	60	1	14	3.44	410
1652961	60	50	60	1	14	3.44	490
1652963	170	100	105	2	160	15.2	1100
1652965	25	35	45	-1	13	2.56	210

KEY  
 ● 99953 STREAM SEDIMENT SAMPLE  
 ■ 99951 ROCK SAMPLE  
 — ADIT

NOTE  
 All results ppm EXCEPT Fe %  
 Cu, Pb, Zn, Ag  
 As, Fe, Mn, Cr  
 For Au Geochemistry see  
 Plan No. TASH 2869

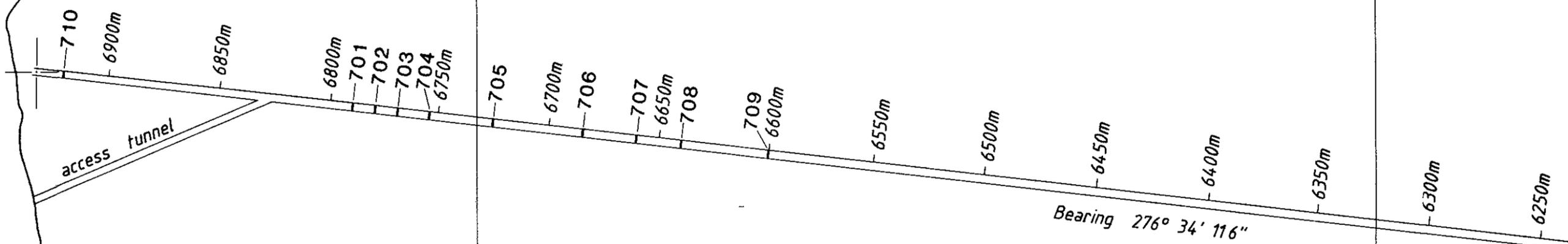
CRA EXPLORATION PTY. LIMITED  
 LYNCHFORD EL. 47/83  
 CREEK ROCK  
 AND STREAM SEDIMENT  
 GEOCHEMISTRY

REF SK55 - 5 (1987)  
 SCALE 1:10,000 DRAWN B.T.  
 AUTHOR W.A.S. / F.R.F. REPORT NO. 14992  
 DATE 10-7-1986 PLAN NO. TASH 3702

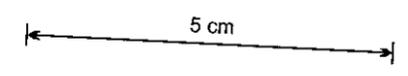
035

5 332 000mN

KING RIVER



813041



5 331 600mN

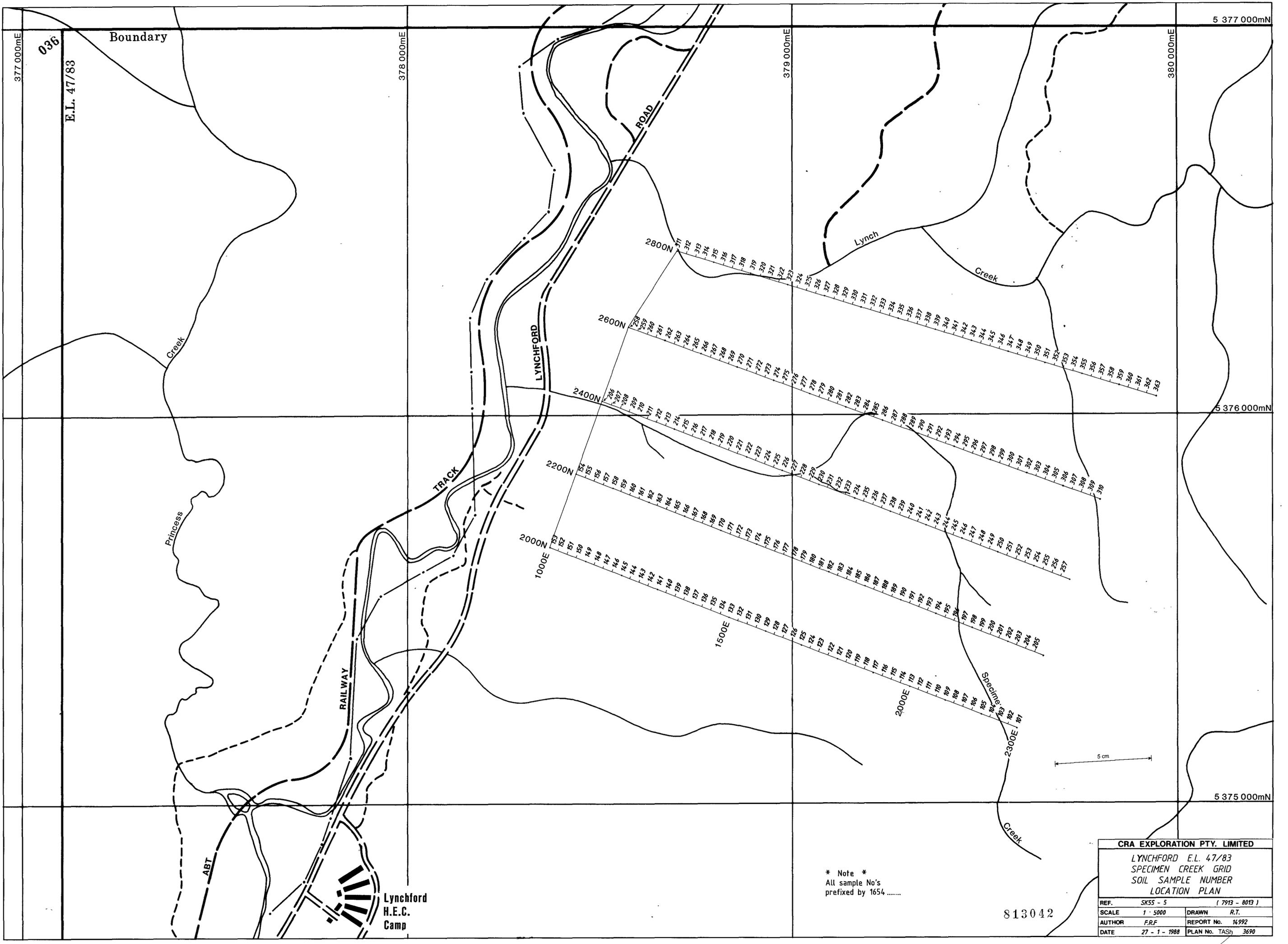
**\*\* NOTE \*\***  
 At the time of sampling the power tunnel had been driven to 6600m.  
 All results in ppm except Fe in %.

379 000mE

Sample No.	Cu	Pb	Zn	Ag	As	Fe%	Bi	Mn	Mo	Au
1198701	15	10	150	1	10	4.05	<5	450	<2	0.02
1198702	60	20	240	1	10	7.05	<5	1350	<2	0.01
1198703	35	25	310	2	16	5.27	<5	6000	<2	0.02
1198704	20	15	70	2	9	5.26	<5	1500	<2	0.01
1198705	5	35	65	1	7	1.98	<5	830	<2	0.02
1198706	65	15	55	3	14	4.30	<5	4150	<2	0.01
1198707	30	105	65	2	8	2.16	<5	340	<2	0.02
1198708	15	15	20	2	12	3.02	<5	670	<2	0.01
1198709	10	20	20	1	9	2.76	<5	500	<2	0.01
1198710	10	60	<2	3	16	29.7	<5	320	<2	0.01

379 400mE

<b>CRA EXPLORATION PTY. LIMITED</b>	
LYNCHFORD E.L. 47/83 KING RIVER POWER TUNNEL OUTCROP SAMPLE LOCATIONS AND RESULTS	
REF	SK55 - 5 ( 7913 - 8013 )
SCALE	1 : 2000 DRAWN R.T.
AUTHOR	F.R.F. REPORT No. 14992
DATE	13 - 11 - 1987 PLAN No. TASH 3573



377 000mE

036

E.L. 47/83

Boundary

378 000mE

379 000mE

380 000mE

5 377 000mN

5 376 000mN

5 375 000mN

Creek

Princess

ABT

RAILWAY

TRACK

ROAD

LYNCHFORD

Lynch

Creek

Specimen

Creek

Lynchford  
H.E.C.  
Camp

\* Note \*  
All sample No's  
prefixed by 1654 .....

813042

5 cm

CRA EXPLORATION PTY. LIMITED	
LYNCHFORD E.L. 47/83	
SPECIMEN CREEK GRID	
SOIL SAMPLE NUMBER	
LOCATION PLAN	
REF.	SK55 - 5 ( 7913 - 8013 )
SCALE	1 : 5000
AUTHOR	F.R.F.
DATE	27 - 1 - 1988
DRAWN	R.T.
REPORT No.	14992
PLAN No.	TASH 3690

377 000mE

E.L. 47/83

Boundary

378 000mE

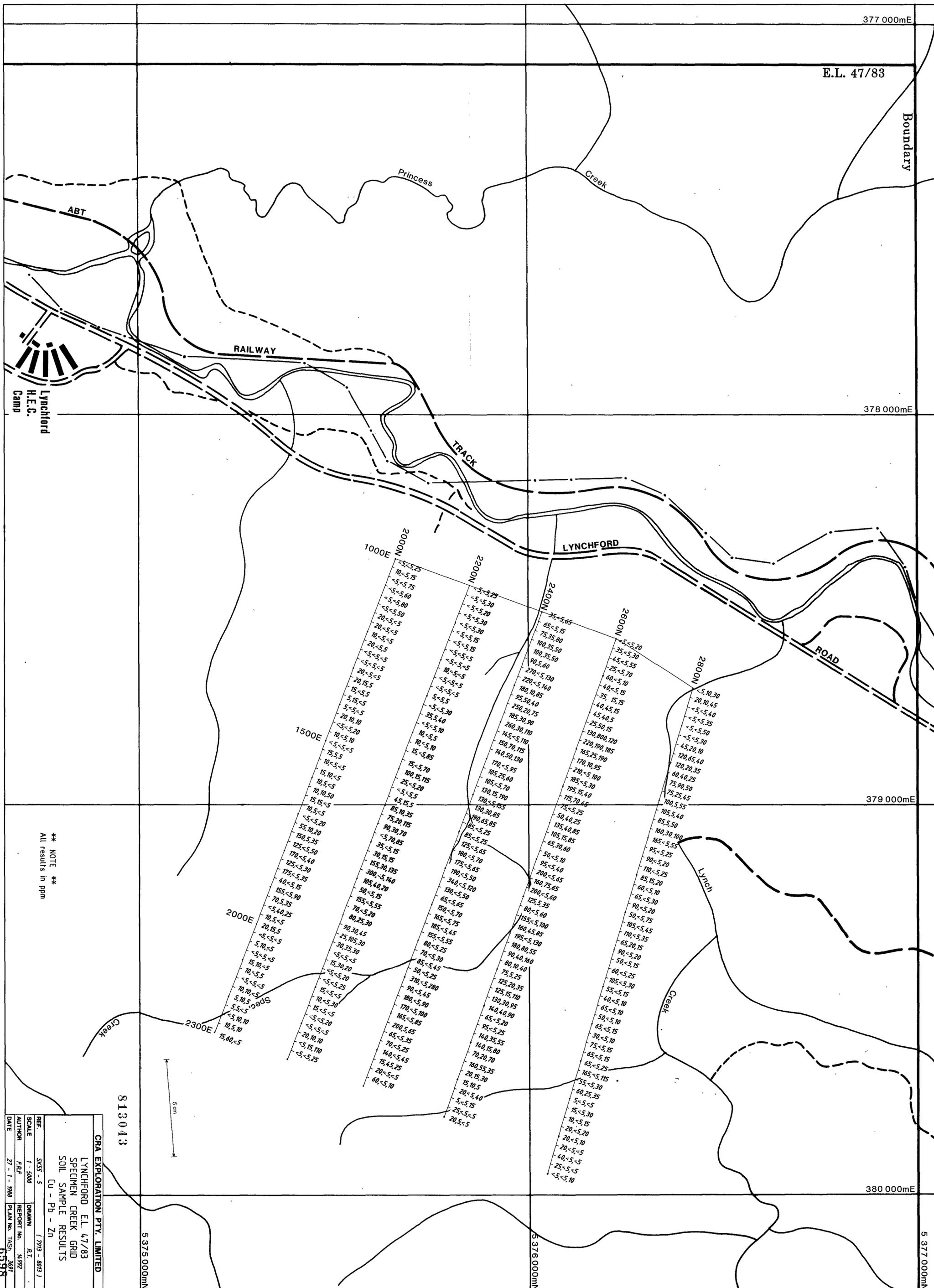
379 000mE

380 000mE

5 377 000mN

5 375 000mN

5 376 000mN



ABT  
 Lynchford  
 H.E.C.  
 Camp

RAILWAY

TRACK

LYNCHFORD

ROAD

Lynch

Creek

Princess

Creek

Creek

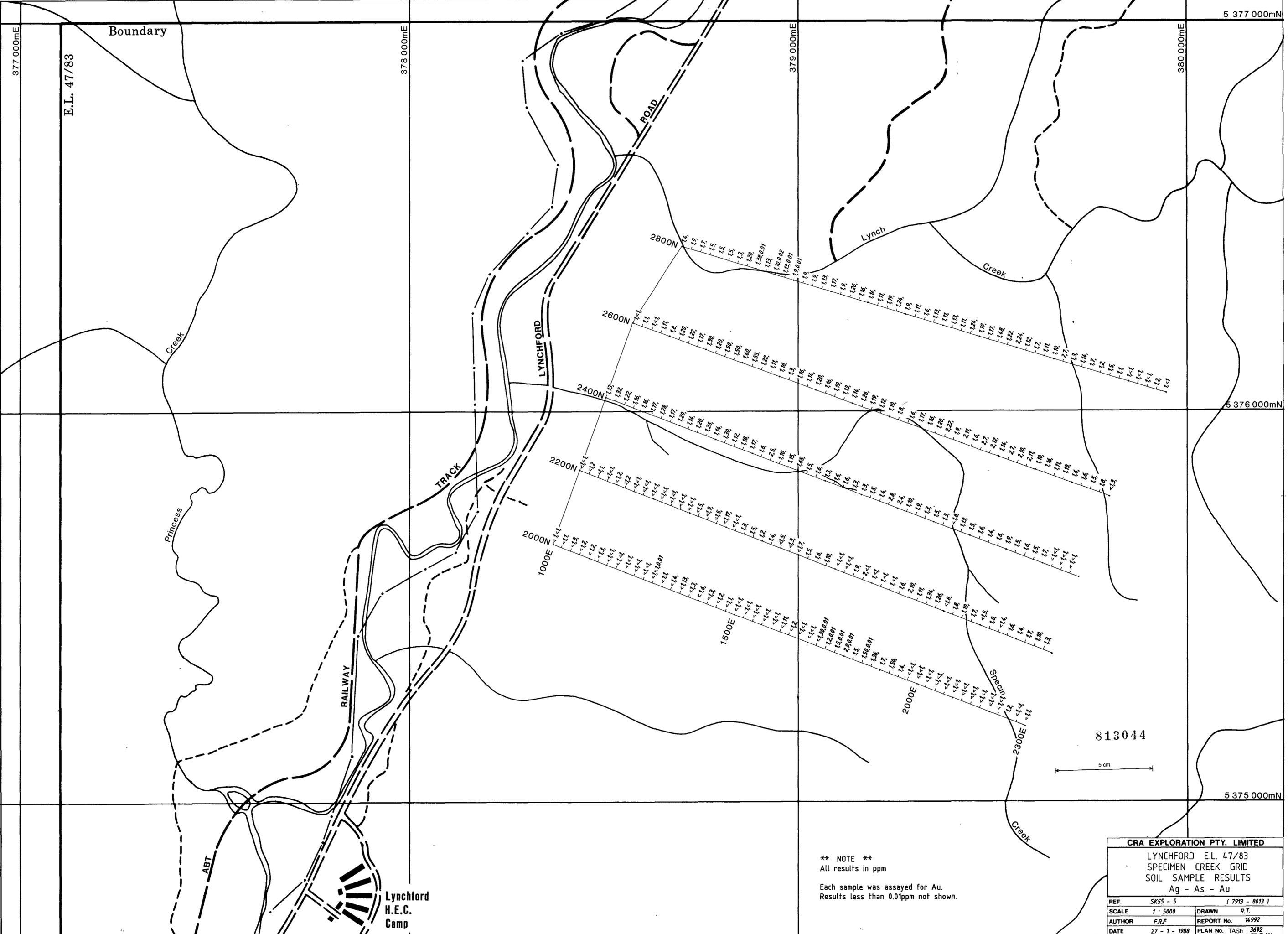
813043

50m

\*\* NOTE \*\*  
All results in ppm

REF.	SK55 - 5	DATE	27 - 1 - 1988
SCALE	1 : 5000	PLAN NO.	TASH 3691
AUTHOR	F.R.F.	REPORT NO.	14992
DATE	27 - 1 - 1988	PLAN NO.	TASH 3691
CRA EXPLORATION PTY. LIMITED			
LYNCHFORD E.L. 47/83			
SPECIMEN CREEK GRID			
SOIL SAMPLE RESULTS			
Cu - Pb - Zn			

6598



5 377 000mN

5 376 000mN

5 375 000mN

377 000mE

378 000mE

379 000mE

380 000mE

E.L. 47/83

Boundary

Creek

Princess

ABT

RAILWAY

TRACK

LYNCHFORD

ROAD

Lynch

Creek

Specimen

Creek

Lynchford  
H.E.C.  
Camp

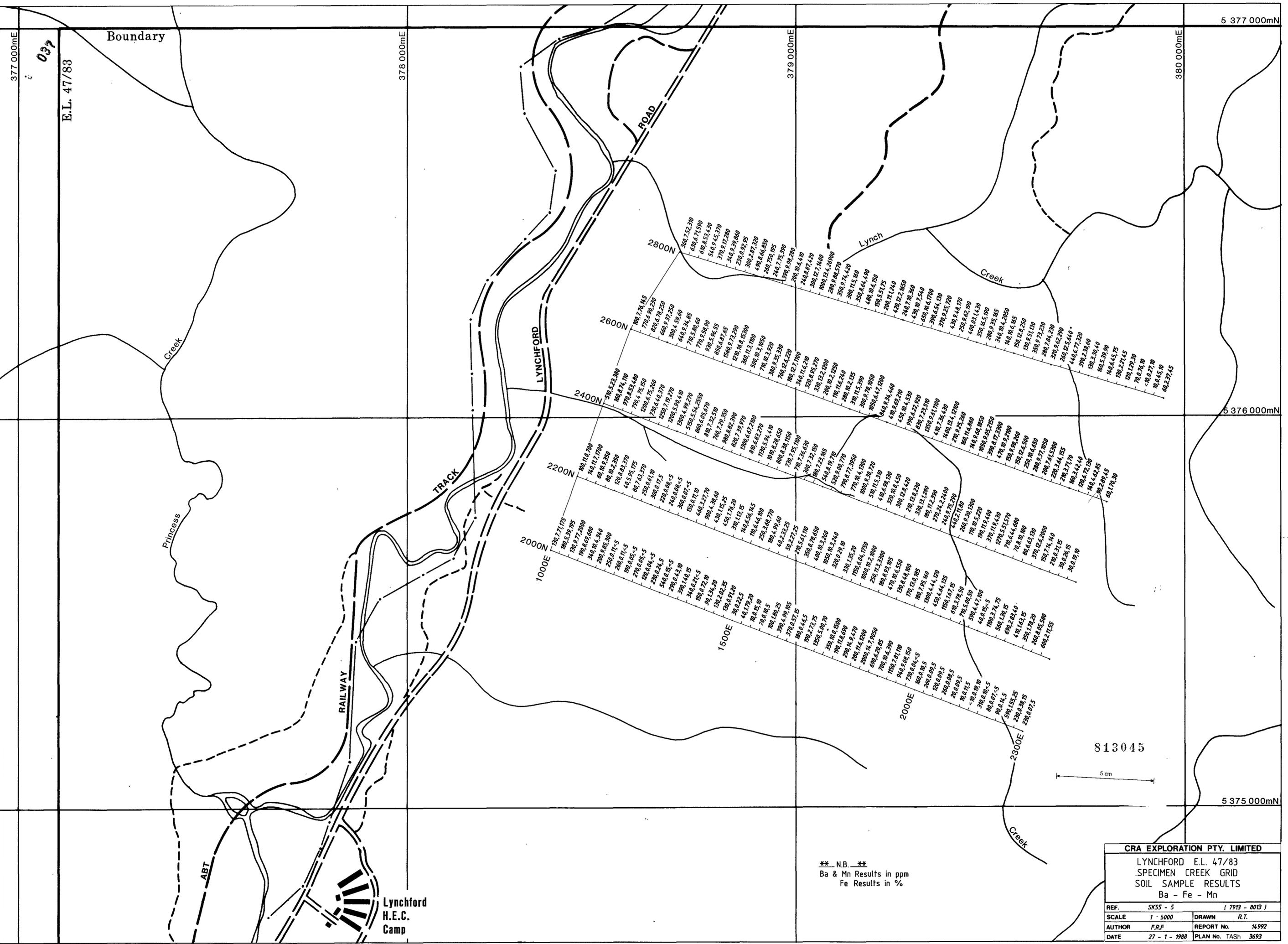
2800N  
2600N  
2400N  
2200N  
2000N  
1000E  
1500E  
2000E  
2800E

813044

5 cm

**\*\* NOTE \*\***  
All results in ppm  
  
Each sample was assayed for Au.  
Results less than 0.01ppm not shown.

<b>CRA EXPLORATION PTY. LIMITED</b>			
LYNCHFORD E.L. 47/83			
SPECIMEN CREEK GRID			
SOIL SAMPLE RESULTS			
Ag - As - Au			
REF.	SK55 - 5	( 7913 - 8013 )	
SCALE	1 : 5000	DRAWN	R.T.
AUTHOR	F.R.F	REPORT No.	16992
DATE	27 - 1 - 1988	PLAN No.	TASH 3692



\*\* NB \*\*  
 Ba & Mn Results in ppm  
 Fe Results in %

813045

5 cm

CRA EXPLORATION PTY. LIMITED			
LYNCHFORD E.L. 47/83			
SPECIMEN CREEK GRID			
SOIL SAMPLE RESULTS			
Ba - Fe - Mn			
REF.	SK55 - 5	( 7913 - 8013 )	
SCALE	1 : 5000	DRAWN	R.T.
AUTHOR	F.R.F.	REPORT No.	14992
DATE	27 - 1 - 1988	PLAN No.	TASh 3693