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FINAL REPORT ON EXPLORATION ACTIVITIES:

EXPLORATION LICENCES 7344 & 7345

REYNOLDS RANGE

30/5/91 TO 15/3/93

REYNOLDS RANGE PROJECT

NAPPERBY 1:250 000 SHEET SF53-9

VOLUME 1 OF 1

Author: L.A. PRICE

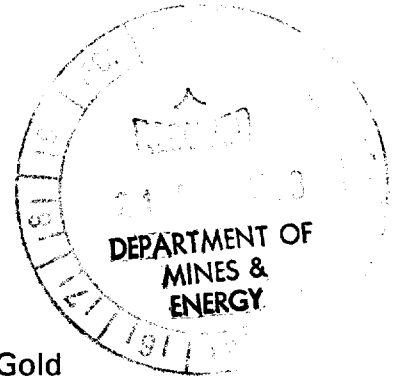
Date: 17 May, 1993

Commodities: Lead, Zinc, Copper, Gold

Authorised by:

Distribution:

NT Department of Mines and Energy(1)
Poseidon Exploration, Darwin(1)
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Report No. 11005

CONTENTS

	<u>Page No</u>
List of Figures	
List of Enclosures	
List of Appendices	
SUMMARY	1
1. INTRODUCTION	2
2. CONCLUSIONS & RECOMMENDATIONS	2
3. LOCATION AND ACCESS	2
4. PHYSIOGRAPHY	2
5. GEOLOGY	3
5.1 Regional and Tenement Geology	3
6. CURRENT EXPLORATION PROGRAMME	3
6.1 Stream Sediment Sampling	3
6.2 Rock Chip Sampling	4
7. REFERENCES	5

(1)

LIST OF FIGURES

<u>Fig.No.</u>	<u>Plan No.</u>	<u>Title</u>	<u>Scale</u>
1	NTD 109.3	Reynolds Range - NT EL 7344 & EL 7345 Locality & Access Map	1:1,000,000

LIST OF ENCLOSURES/MAPS

<u>Plan No.</u>	<u>Title</u>	<u>Scale</u>
NTD 228	Reynolds Range Project EL's 7344 & 7345 All Samples	1:50 000
NTD 229	Reynolds Range Project EL's 7344 & 7345 All Samples	1:50 000

LIST OF APPENDICES

<u>Appendix No.</u>	<u>Title</u>
1	Reynolds Range Project EL's 7344 & 7345 All Sampling Sample Type
2	Reynolds Range Project EL's 7344 & 7345 Stream Sediment Sampling Analytical Results
3	Reynolds Range Project EL's 7344 & 7345 Rock Chip Sampling Analytical Results

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TITLE: FINAL REPORT ON EXPLORATION ACTIVITIES
EXPLORATION LICENCES 7344 & 7345
REYNOLDS RANGE
30/5/91 TO 15/3/93
AUTHOR: L.A. Price
DATE: 10 May, 1993



SUMMARY

Reynolds Range Exploration Licences 7344 and 7345 were granted to Poseidon Gold Limited on the 5/4/91 and 1/5/91 respectively.

The licence areas were applied for to target structurally controlled lead, zinc, copper, silver and gold within the Lower to Mid Proterozoic metamorphosed units of the Arunta Orogenic Domain.

Exploration within the tenements has included regional reconnaissance stream sediment sampling and rock chip sampling.

The initial sampling did not highlight targets which required follow up.

The tenements were relinquished on 15 March 1993.

1. INTRODUCTION

The Reynolds Range Exploration Licences 7344 and 7345 cover an area of 308 blocks (approximately 992 square km). The Exploration Licences were granted to Poseidon Gold Limited for a period of six years on the 5/4/91 and 1/5/91 respectively.

The licence area was applied for to target structurally controlled lead, zinc, copper, silver and gold within Lower to Mid Proterozoic metamorphosed units of the Arunta Orogenic Domain.

On the 15 March 1993 the tenements were surrendered.

2. CONCLUSIONS & RECOMMENDATIONS

Conclusions

Reconnaissance sampling of EL's 7344 and 7345 did not produce targets which required follow up.

Recommendations

Relinquishment of EL's 7344 and 7345.

3. LOCATION AND ACCESS

The Reynolds Range Exploration Licences 7344 and 7345 are located on the Napperby (SF53-9) 1:250 000 map sheet. The tenements cover an area of 992 sq km to the west of Aileron, approximately 135 km north of Alice Springs. (Figure 1). They are located over the pastoral leases of Napperby, Pine Hill and Aileron.

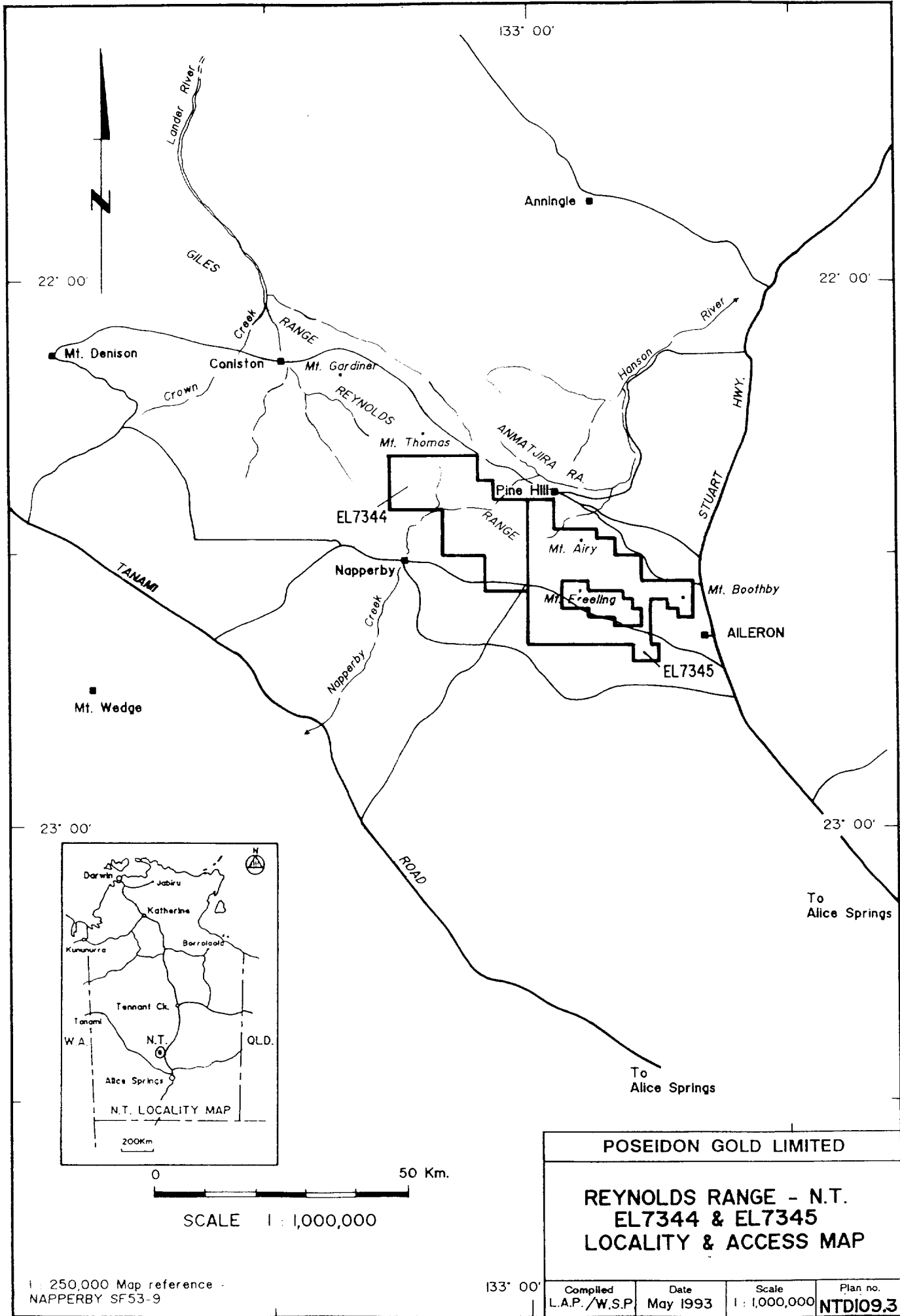
Access is via the Stuart Highway to Aileron and then via the unsealed Coniston Station road. Station tracks and the Amadeus - Darwin gas pipeline give some access to the tenements. The topography is generally rugged and away from the tracks access is best achieved by foot or helicopter.

4. PHYSIOGRAPHY

The physiography and erosion history of central Australia including the Reynolds Range is described in Mabbutt (1967).

The tenements are dominated by the south east striking Reynolds Range above the alluvial plains. Drainages in the region are perennial.

Vegetation consists of spinifex, shrubs(cassia) and low trees(mallee, acacia) with isolated ghost gums, river red gums and tea tree along water courses.



POSEIDON GOLD LIMITED

**REYNOLDS RANGE - N.T.
EL7344 & EL7345
LOCALITY & ACCESS MAP**

1: 250,000 Map reference -
NAPPERBY SF53-9

133° 00'

Compiled L.A.P./W.S.P.	Date May 1993	Scale 1: 1,000,000	Plan no. NTDIO9.3
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Fig 1

5. GEOLOGY

5.1 Regional and Tenement Geology

The tenements lie in the north western portion of the Early to Mid Proterozoic Arunta Orogenic Domain in the Northern Territory.

The Arunta Orogenic Domain comprises metamorphosed sedimentary and igneous rocks which have been extensively intruded by a range of granite bodies. The Granites-Tanami and Tennant Creek Inliers are located to the northwest and north, respectively. On all other sides, the Arunta Orogenic Domain is surrounded by, and forms basement to, younger Late Proterozoic to Mid Palaeozoic sedimentary basins.

The tenements cover the Central and Northern Tectonic Zones of the Arunta Orogenic Domain and contain generally amphibolite grade Division 1, 2 and 3 lithologies in addition to the range of granite intrusives.

Within the project area, the rocks within the Orogenic Domain have been divided into 3 groups:

Division 1:	Aileron Metamorphics:	Felsic and mafic granulites
Division 2:	Mt Freeling Schist:	Muscovite-biotite schist, quartz-rich metasediment, sillimanite schist.
	Wickstead Creek Beds:	Calc-silicate rock, marble, gneiss, schist
	Lander Rock Beds: (LRB)	Schistose pelitic metasediments and quartzo-feldspathic gneisses
Division 3:	Reynolds Range Group:	Schistose pelitic metasediments, meta-quartzite and dolomite.

The divisions are separated by unconformities. The increasing maturity of the sediments reflects the evolution of the basin.

6. CURRENT EXPLORATION PROGRAMME

Prior to exploration commencing, records of the Aboriginal Areas Protection Authority were inspected and site details recorded. Sampling programmes were planned to ensure they did not encroach upon any recorded sites.

6.1 Stream Sediment Sampling

Regional reconnaissance stream sediment samples (161) were collected within EL 7344 and EL 7345. The samples were collected on an average density of 1 per 2.0 km². At each site a -6mm+1mm was collected for base metal and pathfinder element analysis with a 2kg -1mm sample (136) taken for BLEG analysis at selected locations. Sample locations are shown on Plan No's NTD 228 and NTD 229.

The samples were analysed by Classic Laboratories in Darwin. They were pulverized in a chrome free bowl, subjected to an aqua regia digest and analysed by the following techniques:

ICPOES (IC2): Ag, As, Bi, Cd, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, P, Sb, V, Zn
XRF: Ba, U, W
BLEG: Au

Samples types are listed in Appendix 1 and results are available in Appendix 2.

The stream sediment sampling did not highlight any areas requiring follow up. No further work is recommended.

6.2 Rock Chip Sampling

Rock chip samples (14) were collected in conjunction with the stream sediment sampling where outcrops of interest were observed.

The samples were analysed by Classic Laboratories in Darwin. They were crushed, pulverized and subject to an aqua regia digest prior to analysis by the following techniques:

AAS (9S): Au, Ag, Cd
ICPOES (1C2): As, Bi, Co, Cr, Cu, Fe, Mn, Mo, Ni, Pb, P, Sb, V, Zn
XRF: U, Ba, W

(1991 Sampling : Sample No's D5000's)

ICPOES (1C3): Ag, As, Bi, Ca, Cd, Ce, Co, Cr, Cu, Fe, K, La, Mg, Mn, Mo, Na, Nb, Ni, P, Pb, Sb, Sn, Sr, Ti, V, Y, Zn, Zr, Ba, U, W

(1992 Sampling : Sample No's D8000's)

Sample locations are available on NTD 228 and NTD 229 and results are available in Appendix 3. The rock chip sampling did not highlight any areas requiring follow up. No further work is recommended.

7. **REFERENCES**

Booth S A., 1991: Annual Report on Exploration Activities,
Exploration Licence 7046, 9.11.90 to 8.11.91. Company Report Unpub.

Price L.A., 1992: Annual Report on Exploration Activities,
Exploration Licences: 7343, 7344, 7345; Reynolds Range 30/5/91 to
29/5/92 Company Report Unpub.

Steward A.J., 1982: 1:250 000 Geological Series - Explanatory Notes Napperby
Northern Territory, Sheet SF 53-9. BMR Canberra.

Steward A.J. and Pillinger D.M., 1981: Geology of the Reynolds Range Region,
Northern Territory. BMR Canberra

APPENDIX 1

REYNOLDS RANGE PROJECT

EL's 7344 & 7345

ALL SAMPLING

SAMPLE TYPE

ALL SAMPLES EL'S 7344,7345

SAMPNO	TYPE	EASTING	NORTHING	COMP	SAMPNO	TYPE	EASTING	NORTHING	COMP
D5012	G	317360	7497220		D5089	G+B	298220	7510930	
D5025	G	311100	7504540		D5090	G+B	297130	7511580	
D5027	G	306200	7506450		D5091	G+B	296050	7512120	
D5028	G	306110	7506420		D5092	G+B	295980	7512040	
D5030	G	307110	7505000		D5093	G+B	294620	7512600	
D5031	G	307090	7504850		D5094	G+B	294680	7512680	
D5032	G	304100	7507120		D5095	G+B	291850	7514700	
D5033	G	303060	7507530		D5096	G+B	291880	7514600	
D5034	G	301960	7508630		D5097	G+B	300930	7516170	
D5035	G	299690	7509000		D5098	G+B	300860	7516230	
D5036	G	299690	7508890		D5099	G+B	298800	7517300	
D5046	G+B	299910	7504420		D5100	G+B	298700	7517300	
D5047	G+B	300040	7504300		D5101	G+B	308950	7509060	
D5048	G+B	298300	7505100		D5102	G+B	311400	7508450	
D5049	G+B	299830	7507880		D5103	G+B	311300	7508430	
D5050	G+B	298880	7510830		D5104	G+B	313280	7510600	
D5051	G	317850	7497300		D5106	G+B	316850	7504220	
D5052	G	317750	7497260		D5151	G+B	298800	7510650	
D5055	G	313450	7503050		D5152	G+B	295430	7511480	
D5056	G	312360	7504000		D5153	G+B	295350	7511470	
D5061	G	309710	7504260		D5157	G+B	291750	7512180	
D5062	G	309650	7504380		D5158	G+B	292050	7512500	
D5063	G	305460	7506030		D5159	G+B	292100	7512380	
D5064	G	305390	7506100		D5160	G+B	301900	7514400	
D5065	G	304520	7507110		D5161	G+B	301800	7514500	
D5066	G	304290	7507380		D5162	G+B	299350	7515920	
D5068	G	303660	7507640		D5163	G+B	299300	7516000	
D5069	G	301750	7509180		D5164	G+B	307130	7508750	
D5070	G	301680	7509220		D5165	G+B	307040	7508680	
D5071	G	299680	7510420		D5166	G+B	310200	7508150	
D5084	G+B	300560	7504290		D5167	G+B	311100	7509080	
D5085	G+B	298450	7505570		D5168	G+B	314780	7505020	
D5086	G+B	298420	7505660		D5169	G+B	314700	7505070	
D5087	G+B	300180	7506150		D5170	G+B	314730	7505110	
D5088	G+B	300190	7506060		D8101	STREAM	306900	7508700	GN

G=STREAM GEOCHEM -6+1mm

G+B=G+BLEG -1mm

SAMPNO	TYPE	EASTING	NORTHING	COMP	SAMPNO	TYPE	EASTING	NORTHING	COMP
D8102	STREAM	307500	7511250	GN	D8139	STREAM	280500	7528300	GN
D8103	STREAM	307400	7511850	GN,SHRD?	D8140	STREAM	279200	7529200	GN
D8104	STREAM	307050	7512650	GN+SCH	D8141	STREAM	279400	7529200	
D8105	STREAM	305650	7513400	GN	D8142	STREAM	278300	7529600	GN
D8106	STREAM	305100	7513900	GN	D8143	STREAM	277500	7529650	SCH
D8107	STREAM	304850	7514100		D8144	STREAM	277000	7529700	SCH
D8108	STREAM	302200	7508900	GN+SCH	D8145	STREAM	277000	7529900	SCH
D8109	STREAM	301850	7509300	GN+SCH	D8146	STREAM	277800	7530900	SCH+QTZTE
D8110	STREAM	301350	7510600		D8147	STREAM	275050	7529200	SCH
D8111	STREAM	299600	7511100	GN+SCH	D8148	STREAM	274800	7529100	SCH
D8112	STREAM	299550	7512350	GN+SCH	D8149	STREAM	274300	7527200	SCH
D8113	STREAM	299350	7512250	GN+SCH	D8251	STREAM	308300	7509450	GN+Q
D8115	STREAM	295850	7513100	GN+SCH	D8252	STREAM	306250	7509250	GN
D8116	STREAM	295250	7513800	GN+SCH	D8253	STREAM	306350	7509350	GN
D8117	STREAM	294600	7514250	GN	D8254	STREAM	304150	7511350	GN
D8118	STREAM	293200	7515800	SCH+GN	D8255	STREAM	304100	7511250	GN
D8120	STREAM	293200	7516000	SCH	D8256	STREAM	303950	7511350	GN
D8121	STREAM	292100	7515350	GN	D8257	STREAM	303250	7512350	GN
D8122	STREAM	290300	7516400	GN+SCH	D8258	STREAM	302750	7512750	GN
D8123	STREAM	295850	7518100	GN	D8259	STREAM	302500	7513800	GN+Q
D8124	STREAM	294350	7519000	GN	D8260	STREAM	301000	7513300	GN
D8125	STREAM	293500	7520300	GN	D8261	STREAM	300500	7514000	GN-GRN
D8126	STREAM	290550	7519350	GN	D8262	STREAM	299050	7514150	SCH+Q+GN
D8127	STREAM	289600	7517600	GN	D8263	STREAM	297650	7513750	GN+FE
D8128	STREAM	288700	7518200	GN	D8265	STREAM	297550	7514250	Q+SCH+GN
D8129	STREAM	286300	7519350	GN	D8266	STREAM	297500	7515500	Q+GN+SCH
D8130	STREAM	286300	7519550	GN	D8267	STREAM	296500	7516000	GN+Q+SCH
D8131	STREAM	285000	7522700	GN	D8268	STREAM	296400	7515800	GN+Q+QTZTE
D8132	STREAM	283200	7523150	GN+SCH	D8269	STREAM	292650	7515900	Q+SCH+GN+CS
D8133	STREAM	283050	7523200	GN+SCH	D8270	STREAM	291200	7516200	GN+Q
D8134	STREAM	283200	7525600		D8272	STREAM	291000	7516400	GN-GRN
D8135	STREAM	282400	7526500	GN	D8273	STREAM	294300	7517900	GN-GRN
D8136	STREAM	282550	7526500	GN	D8274	STREAM	294050	7518000	GN+Q
D8137	STREAM	281650	7527000	GN	D8276	STREAM	293450	7519250	GN+Q
D8138	STREAM	281300	7528000	GN	D8277	STREAM	291500	7521150	GN

SAMPNO	TYPE	EASTING	NORTHING	COMP
D8278	STREAM	289300	7519650	GN
D8279	STREAM	287600	7520950	GN-GRN+PEG
D8280	STREAM	287800	7520850	GN
D8281	STREAM	286350	7522350	GRN-PEG
D8282	STREAM	285400	7520600	Q+GRN
D8283	STREAM	284100	7521900	SCH+QTZTE
D8285	STREAM	282100	7522150	PEG+GN
D8286	STREAM	281200	7522900	Q+QTZTE+SCH
D8287	STREAM	280250	7523550	SCH+Q
D8288	STREAM	281050	7524000	QTZTE+Q+SCH
D8290	STREAM	280950	7524350	QTZTE+Q+GN
D8291	STREAM	280750	7524400	QTZTE+Q+HEM
D8293	STREAM	279650	7524100	Q+QTZTE+FE+SCH
D8294	STREAM	280200	7526000	GN+QTZTE
D8295	STREAM	279900	7525000	QTZTE+GN+SCH
D8297	STREAM	278450	7526000	GN+QTZTE
D8298	STREAM	277850	7526600	QTZTE+HEM
D8300	STREAM	277600	7527750	QTZTE
D8304	STREAM	274450	7530450	QTZTE+PHYL
D8305	STREAM	274000	7530000	QTZTE+PHYL
D8307	STREAM	271500	7530500	QTZTE+PHYL
D5029	R 1991	306030	7506420	MN COAT XLINE CARB
D5072	R 1991	299680	7510420	IRONSTONE
D5073	R 1991	299680	7510420	MN RICH IRONSTONE
D5154	R 1991	295430	7511480	IRONSTONE
D5155	R 1991	295430	7511480	QTZTE
D5156	R 1991	295430	7511480	QTZ/TOURM GNEISS
D8114	ROCK92	299350	7512350	SIL FE
D8264	ROCK92	297650	7513750	FE/HEM NODS IN CK
D8271	ROCK92	291200	7516200	FE/LIM,MIC FLT
D8284	ROCK92	284100	7521900	SIL SST+JASP-ZEOL?
D8289	ROCK92	281050	7524000	VN Q+MNR MUSC
D8292	ROCK92	280750	7524400	Q/HEM(SPECULAR)
D8296	ROCK92	279900	7525000	VUGGHY FE
D8299	ROCK92	277850	7526600	SPEC HEM IN QTZTE

APPENDIX 2
REYNOLDS RANGE PROJECT
EL's 7344 & 7345
STREAM SEDIMENT SAMPLING
ANALYTICAL RESULTS

STREAM RESULTS

SAMPNO	AU(BLEG)	AU(AAS)	AG	CD	AS	BI	CO	CU	CR	FE	MN	MO	NI	PB	P	SB	V	ZN	W	BA	U
D5012		0.30	-0.1	-0.1	-1	-3	2	4	24	9900	40	-1	5	-3	60	-5	13	4	-10	380	-4
D5025		0.40	-0.1	-0.1	-1	-3	4	7	42	13300	45	1	10	4	70	-5	15	7	-10	145	4
D5027		-0.20	-0.1	-0.1	1	-3	10	8	42	24000	100	-1	17	4	95	-5	24	20	-10	270	-4
D5028		-0.20	-0.1	-0.1	1	-3	4	7	54	12900	45	-1	10	4	75	-5	10	7	-10	135	4
D5030		-0.20	-0.1	-0.1	-1	-3	12	10	54	29500	125	-1	22	4	85	-5	34	30	-10	400	-4
D5031		0.60	-0.1	-0.1	-1	-3	16	8	68	35000	150	-1	26	4	155	-5	36	42	-10	410	-4
D5032		0.30	-0.1	-0.1	-1	-3	8	9	36	20500	105	-1	15	6	75	-5	24	17	-10	280	-4
D5033		0.40	-0.1	-0.1	-1	-3	8	9	38	18800	155	-1	14	4	110	-5	22	16	-10	230	6
D5034		-0.20	-0.1	-0.1	-1	-3	6	5	32	23000	80	-1	13	4	135	-5	20	15	10	220	-4
D5035		-0.20	-0.1	-0.1	-1	-3	4	5	24	10200	130	-1	5	4	105	-5	9	13	-10	630	-4
D5036		-0.20	-0.1	-0.1	-1	-3	10	7	32	20500	390	-1	14	4	100	-5	24	20	-10	420	-4
D5046	-0.05	-0.1	-0.1	-0.1	-1	-3	10	7	42	25500	135	-1	19	4	90	-5	30	17	-10	320	4
D5047	-0.05	-0.1	-0.1	-0.1	-1	-3	8	6	54	23000	150	-1	18	4	90	-5	26	14	-10	300	4
D5048	0.05	-0.1	-0.1	-0.1	-1	-3	10	7	40	16400	430	-1	11	6	135	-5	24	15	-10	580	4
D5049	0.12	0.1	-0.1	-0.1	-1	-3	14	11	54	34000	130	-1	24	4	90	-5	40	32	10	390	-4
D5050	-0.05	0.2	0.1	0.1	-1	4	20	9	24	38500	5400	-1	10	4	185	-5	26	32	-10	800	-4
D5051		-0.20	-0.1	-0.1	-1	-3	2	5	68	8500	70	1	7	-3	70	-5	9	4	-10	410	-4
D5052		-0.20	-0.1	-0.1	-1	-3	2	4	24	7800	100	-1	5	4	80	-5	11	5	-10	580	-4
D5055		-0.20	-0.1	-0.1	-1	-3	4	8	56	13500	35	1	10	4	100	-5	13	6	10	70	4
D5056		-0.20	-0.1	-0.1	-1	-3	2	6	32	10500	30	-1	7	4	75	-5	12	5	-10	85	-4
D5061		-0.20	-0.1	-0.1	-1	-3	10	9	50	23500	90	-1	16	4	75	-5	26	14	-10	330	-4
D5062		-0.20	-0.1	-0.1	1	-3	8	5	38	19200	70	-1	15	4	70	-5	24	10	15	280	-4
D5063		-0.20	-0.1	-0.1	-1	-3	10	7	44	24500	105	-1	19	4	105	-5	26	22	10	290	-4
D5064		-0.20	-0.1	-0.1	-1	-3	10	6	42	23000	95	-1	17	4	80	-5	22	19	-10	280	-4
D5065		0.30	-0.1	-0.1	5	-3	8	5	2	1000	10	-1	2	4	10	-5	3	7	-10	290	4
D5066		-0.20	-0.1	-0.1	-1	-3	6	7	64	23000	50	-1	17	-3	90	-5	36	7	-10	210	-4
D5068		0.20	-0.1	-0.1	-1	-3	6	8	56	19100	45	-1	16	-3	60	-5	28	7	-10	220	-4
D5069		-0.20	-0.1	-0.1	-1	-3	10	7	56	19200	460	-1	15	4	115	-5	24	13	-10	460	-4
D5070		-0.20	-0.1	-0.1	1	-3	14	8	74	38000	1700	-1	20	4	165	-5	36	30	-10	195	-4
D5071		-0.20	-0.1	-0.1	-1	-3	8	5	22	22500	920	-1	9	4	155	-5	18	18	-10	480	6
D5084	-0.05	-0.1	-0.1	-0.1	-1	-3	8	5	42	19600	115	-1	14	4	80	-5	22	12	-10	270	-4
D5085	-0.05	-0.1	-0.1	-0.1	3	-3	2	7	16	7400	90	2	4	4	110	-5	8	7	10	690	4
D5086	-0.05	-0.1	-0.1	-0.1	-1	-3	2	4	22	9000	95	-1	5	4	120	-5	9	8	-10	630	4
D5087	-0.05	-0.1	-0.1	-0.1	-1	-3	4	8	36	10800	110	-1	6	4	90	-5	9	12	-10	670	-4
D5088	0.21	-0.1	-0.1	-0.1	-1	-3	14	9	42	32000	185	-1	24	4	115	-5	40	34	-10	440	-4

SAMPNO	AU(BLEG)	AU(AAS)	AG	CD	AS	BI	CO	CU	CR	FE	MN	MO	NI	PB	P	SB	V	ZN	W	BA	U
D5089	0.08		0.1	-0.1	3	-3	10	10	30	18600	1580	-1	9	8	130	-5	16	17	-10	430	-4
D5090	-0.05		-0.1	-0.1	-1	-3	4	4	12	10000	130	-1	4	-3	105	-5	11	10	-10	640	-4
D5091	0.05		0.1	-0.1	-1	-3	8	13	42	18800	590	-1	9	4	95	-5	17	17	-10	220	-4
D5092	-0.05		-0.1	-0.1	-1	-3	2	7	20	8300	85	-1	5	4	70	-5	8	7	-10	470	-4
D5093	-0.05		-0.1	-0.1	-1	-3	2	8	60	9800	95	1	7	-3	50	-5	12	4	-10	340	-4
D5094	-0.05		-0.1	-0.1	-1	-3	4	11	140	16800	140	1	14	4	75	-5	15	7	-10	260	-4
D5095	0.16		-0.1	-0.1	-1	-3	6	13	32	18900	175	-1	8	4	100	-5	17	16	-10	185	-4
D5096	0.47		-0.1	-0.1	2	-3	6	9	40	18300	170	-1	9	4	90	-5	18	16	-10	360	-4
D5097	0.05		0.2	-0.1	-1	4	10	14	28	18300	620	-1	9	4	110	-5	19	13	-10	260	4
D5098	-0.05		-0.1	-0.1	6	-3	4	4	24	11100	50	1	6	4	75	-5	11	5	-10	115	4
D5099	-0.05		-0.1	-0.1	1	-3	4	7	42	12000	55	-1	6	4	70	-5	10	6	10	75	4
D5100	-0.05		-0.1	-0.1	-1	-3	2	4	26	10200	40	-1	5	4	60	-5	10	6	-10	95	6
D5101	0.14		-0.1	-0.1	4	-3	4	11	48	10200	30	-1	12	-3	45	-5	22	3	-10	110	-4
D5102	-0.05		-0.1	-0.1	-1	-3	6	6	84	14000	55	1	22	-3	70	-5	36	5	-10	180	-4
D5103	-0.05		-0.1	-0.1	-1	-3	12	8	88	25000	75	-1	32	-3	75	-5	90	8	-10	240	4
D5104	-0.05		-0.1	-0.1	-1	-3	4	5	44	11000	65	-1	8	4	55	-5	16	5	-10	270	-4
D5106	-0.05		-0.1	-0.1	-1	-3	4	6	42	12600	90	-1	9	-3	85	-5	14	5	-10	165	-4
D5151	0.11		0.2	-0.1	4	-3	16	10	20	19600	2250	-1	10	6	170	-5	19	16	-10	520	-4
D5152	0.07		-0.1	-0.1	-1	-3	4	7	28	11200	130	-1	6	4	100	-5	10	9	-10	580	-4
D5153	0.23		0.1	-0.1	-1	-3	6	14	64	16900	430	1	10	4	90	-5	13	11	-10	400	-4
D5157	-0.05		-0.1	-0.1	-1	-3	2	5	20	6600	65	-1	4	-3	70	-5	6	5	-10	500	4
D5158	0.05		-0.1	-0.1	-1	-3	4	8	72	12800	90	1	9	4	70	-5	12	8	-10	390	-4
D5159	0.07		-0.1	-0.1	1	-3	4	7	36	27500	120	-1	5	4	115	-5	34	9	-10	460	-4
D5160	0.08		-0.1	-0.1	-1	-3	6	6	24	14000	40	-1	8	-3	60	-5	24	7	10	140	-4
D5161	-0.05		-0.1	-0.1	-1	-3	6	6	40	15400	60	-1	10	-3	55	-5	26	6	-10	180	4
D5162	0.06		-0.1	-0.1	-1	-3	4	7	72	14400	55	1	10	4	80	-5	12	6	-10	110	4
D5163	-0.05		-0.1	-0.1	-1	-3	6	6	30	16800	50	-1	11	4	75	-5	19	8	-10	240	4
D5164	0.10		-0.1	-0.1	1	-3	8	13	56	21000	70	-1	17	4	130	-5	38	8	-10	165	4
D5165	0.12		-0.1	-0.1	-1	-3	8	7	52	24500	70	-1	18	4	110	-5	46	8	-10	180	4
D5166	0.11		-0.1	-0.1	1	-3	14	10	60	33000	460	-1	16	8	300	-5	60	12	10	230	-4
D5167	0.07		-0.1	-0.1	-1	-3	8	8	60	19200	145	-1	15	4	100	-5	32	8	-10	210	-4
D5168	0.14		-0.1	-0.1	1	-3	6	9	38	17200	80	-1	9	4	60	-5	30	10	-10	140	-4
D5169	0.15		-0.1	-0.1	1	-3	6	9	40	14800	75	-1	10	4	85	-5	22	7	-10	130	4
D5170	0.20		-0.1	-0.1	-1	-3	6	7	52	15200	45	-1	14	-3	55	-5	28	5	-10	195	-4
D8101	0.15		-0.1	-0.1	-1	-3	4	3	18	19300	50	-1	9	4	70	-5	30	10	-10	190	-4

SAMPNO	AU(BLEG)	AU(AAS)	AG	CD	AS	BI	CO	CU	CR	FE	MN	MO	NI	PB	P	SB	V	ZN	W	BA	U
D8139	0.10		-0.1	-0.1	1	4	4	3	8	17300	65	-1	6	-3	95	-5	7	14	-10	125	-4
D8140	-0.05		-0.1	-0.1	3	-3	4	2	10	21000	80	-1	5	4	110	-5	13	15	-10	155	-4
D8141	-0.05		-0.1	-0.1	3	-3	6	4	18	29500	85	-1	10	4	135	-5	22	18	-10	170	4
D8142	-0.05		-0.1	0.1	1	-3	4	1	8	17400	75	-1	4	-3	85	-5	10	13	-10	150	4
D8143	-0.05		-0.1	-0.1	6	-3	10	20	22	32500	180	-1	15	8	175	-5	24	22	10	240	4
D8144	-0.05		-0.1	-0.1	4	-3	10	11	16	28000	270	-1	10	6	125	-5	18	20	-10	240	-4
D8145	0.08		-0.1	-0.1	8	-3	12	24	24	46000	610	-1	17	10	220	-5	26	28	-10	380	-4
D8146	0.13		-0.1	-0.1	10	-3	8	9	38	47500	210	-1	8	10	165	-5	50	19	-10	210	-4
D8147	0.06		-0.1	-0.1	8	-3	8	11	26	34500	320	-1	10	4	165	-5	24	17	-10	260	-4
D8148	-0.05		-0.1	-0.1	9	-3	10	16	30	42000	290	-1	15	4	190	-5	28	26	-10	300	-4
D8149	0.09		-0.1	0.1	4	-3	10	15	32	47500	570	-1	13	4	210	-5	38	20	-10	195	-4
D8251	0.09		-0.1	-0.1	3	-3	4	10	14	9300	25	-1	7	-3	45	-5	20	8	-10	110	-4
D8252	0.06		-0.1	-0.1	-1	-3	10	13	32	31000	90	-1	15	4	140	-5	68	13	-10	210	-4
D8253	0.05		-0.1	0.1	2	-3	8	17	18	22000	80	-1	10	4	130	-5	30	10	-10	155	4
D8254	0.08		-0.1	0.1	7	12	14	28	28	26000	40	-1	18	4	65	-5	30	11	-10	320	-4
D8255	-0.05		-0.1	0.1	-1	-3	6	5	28	22500	60	-1	13	4	70	-5	40	9	-10	175	4
D8256	0.22		-0.1	0.2	-1	-3	10	12	36	37500	55	-1	14	4	95	-5	100	12	-10	260	-4
D8257	0.06		-0.1	0.1	-1	-3	8	8	24	20500	55	-1	13	-3	110	-5	40	10	-10	185	-4
D8258	-0.05		-0.1	-0.1	-1	-3	10	8	22	26500	590	-1	11	4	155	-5	48	13	-10	180	4
D8259	-0.05		-0.1	0.1	1	-3	8	9	22	24000	95	-1	13	-3	110	-5	40	11	-10	210	-4
D8260	0.13		-0.1	0.1	-1	-3	10	17	28	28000	70	-1	12	4	140	-5	66	13	-10	140	4
D8261	-0.05		-0.1	-0.1	-1	-3	6	4	22	17500	55	-1	9	-3	55	-5	20	9	-10	165	-4
D8262	0.19		0.1	0.1	-1	-3	12	12	14	22000	780	-1	7	4	110	-5	19	20	10	330	-4
D8263	0.23		0.5	0.5	-1	-3	34	36	12	101000	18600	-1	10	46	270	-5	52	68	-10	1660	-4
D8265	0.17		-0.1	0.2	-1	-3	12	19	28	30000	270	-1	12	4	90	-5	32	24	10	320	-4
D8266	0.07		-0.1	0.1	-1	-3	4	6	12	16700	80	-1	6	-3	90	-5	15	9	-10	140	-4
D8267	0.08		-0.1	0.1	-1	-3	4	6	18	18500	50	-1	8	-3	65	-5	19	10	-10	175	-4
D8268	0.06		-0.1	-0.1	-1	-3	6	10	20	20000	60	-1	10	-3	70	-5	22	11	-10	230	6
D8269	-0.05		-0.1	0.1	-1	-3	8	34	22	26000	290	-1	10	-3	95	-5	22	24	10	155	4
D8270	-0.05		-0.1	0.2	-1	-3	24	17	34	40500	2100	-1	13	8	125	-5	48	32	-10	370	4
D8272	0.12		-0.1	0.1	2	-3	12	16	30	37000	610	-1	12	4	165	-5	30	24	-10	260	4
D8273	-0.05		-0.1	-0.1	-1	-3	2	4	6	10400	40	-1	2	-3	40	-5	10	9	-10	105	4
D8274	0.06		-0.1	0.1	-1	6	2	5	10	14300	55	-1	4	4	55	-5	12	11	-10	125	-4
D8276	-0.05		-0.1	-0.1	-1	-3	2	3	6	15700	65	-1	2	4	55	-5	13	13	-10	95	4
D8277	-0.05		-0.1	0.1	-1	-3	2	2	4	11000	60	-1	2	-3	60	-5	7	13	-10	155	6

SAMPNO	AU(BLEG)	AU(AAS)	AG	CD	AS	BI	CO	CU	CR	FE	MN	MO	NI	PB	P	SB	V	ZN	W	BA	U
D8102	0.08	-0.1	-0.1	-1	-3	4	4	6	14	19400	35	-1	5	-3	45	-5	18	9	10	260	-4
D8103	0.06	-0.1	-0.1	1	-3	4	4	2	14	21500	65	-1	5	4	65	-5	16	12	-10	230	-4
D8104	0.08	-0.1	-0.1	1	-3	2	2	2	8	20500	50	1	3	4	50	-5	13	12	-10	420	-4
D8105	0.06	-0.1	-0.1	-1	-3	4	4	3	16	16100	45	-1	5	-3	45	-5	17	7	-10	140	-4
D8106	0.12	-0.1	-0.1	-1	-3	6	6	7	20	18900	60	-1	8	4	50	-5	20	8	-10	155	-4
D8107	0.07	-0.1	-0.1	-1	-3	2	2	-1	18	17400	50	-1	5	4	45	-5	22	8	-10	160	6
D8108	0.11	-0.1	-0.1	-1	-3	10	10	5	44	37500	120	-1	20	4	135	-5	52	18	-10	270	-4
D8109	0.10	-0.1	0.1	-1	-3	8	8	2	20	20500	440	-1	9	4	95	-5	20	14	-10	165	-4
D8110	0.07	-0.1	-0.1	-1	-3	6	6	1	16	23500	270	-1	7	4	90	-5	20	16	-10	400	-4
D8111	-0.05	-0.1	-0.1	-1	-3	2	2	-1	6	11800	100	-1	3	4	60	-5	9	13	-10	480	4
D8112	-0.05	0.1	-0.1	-1	-3	12	12	5	14	18100	690	-1	6	4	100	-5	19	18	-10	320	-4
D8113	-0.05	-0.1	0.1	-1	-3	12	12	7	2	36500	2800	-1	5	4	180	-5	16	30	-10	420	-4
D8115	0.11	0.1	0.1	2	-3	16	16	12	4	37500	4600	-1	4	4	155	-5	22	26	-10	380	-4
D8116	-0.05	-0.1	0.1	-1	-3	10	10	14	16	48000	1480	-1	10	6	125	-5	32	52	-10	340	-4
D8117	0.11	-0.1	0.1	-1	-3	6	6	3	22	23000	110	-1	7	4	70	-5	22	18	-10	290	-4
D8118	0.21	-0.1	-0.1	-1	-3	4	4	8	14	21500	65	-1	6	4	65	-5	18	28	-10	140	-4
D8120	-0.05	-0.1	-0.1	-1	-3	8	8	-1	16	29500	80	-1	9	4	70	-5	20	38	-10	380	-4
D8121	-0.05	-0.1	-0.1	-1	-3	2	2	7	12	17900	85	-1	4	-3	60	-5	18	11	-10	70	-4
D8122	0.15	-0.1	-0.1	1	-3	6	6	8	28	32500	210	-1	6	4	120	-5	30	18	-10	120	-4
D8123	-0.05	-0.1	-0.1	-1	-3	-2	-2	-1	6	9900	50	-1	1	-3	45	-5	5	8	-10	70	4
D8124	-0.05	-0.1	-0.1	-1	-3	2	2	-1	6	11900	45	-1	3	10	45	-5	8	8	-10	95	-4
D8125	-0.05	-0.1	-0.1	1	-3	-2	-2	-1	6	11900	55	-1	1	-3	50	-5	7	10	-10	145	-4
D8126	0.06	-0.1	-0.1	1	-3	2	2	-1	8	12400	50	-1	2	4	45	-5	10	7	-10	95	4
D8127	0.12	-0.1	-0.1	1	-3	6	6	13	22	29500	115	-1	6	-3	125	-5	22	13	-10	120	-4
D8128	-0.05	-0.1	-0.1	-1	-3	2	2	3	22	24000	95	-1	3	-3	115	-5	18	9	-10	65	4
D8129	0.32	0.2	-0.1	4	-3	30	30	24	12	86500	5900	-1	10	10	175	-5	48	52	15	270	4
D8130	0.27	0.3	0.3	6	-3	50	50	32	12	142000	19200	1	19	14	300	-5	98	68	10	780	4
D8131	-0.05	-0.1	-0.1	1	-3	2	2	-1	6	11600	190	-1	2	4	50	-5	6	9	-10	100	4
D8132	-0.05	-0.1	-0.1	1	-3	2	2	2	8	13000	70	-1	2	4	75	-5	7	9	-10	115	-4
D8133	-0.05	-0.1	-0.1	2	-3	6	6	7	10	22000	70	-1	5	4	110	-5	14	17	-10	115	-4
D8134	-0.05	-0.1	-0.1	1	-3	2	2	1	6	13100	60	-1	2	4	65	-5	7	10	-10	95	4
D8135	-0.05	-0.1	-0.1	1	4	2	2	-1	8	15400	75	-1	2	4	85	-5	12	11	-10	95	6
D8136	-0.05	-0.1	-0.1	1	-3	2	2	-1	6	10900	55	-1	1	4	65	-5	9	9	-10	105	4
D8137	-0.05	-0.1	-0.1	1	-3	2	2	2	6	13100	55	-1	2	4	85	-5	6	12	-10	75	6
D8138	-0.05	-0.1	0.1	1	-3	2	2	-1	6	9900	45	-1	1	4	60	-5	4	9	-10	75	-4

SAMPNO	AU(BLEG)	AU(AAS)	AG	CD	AS	BI	CO	CU	CR	FE	MN	MO	NI	PB	P	SB	V	ZN	W	BA	U
08278	-0.05		-0.1	0.1	-1	-3	2	6	12	18500	45	-1	3	4	95	-5	15	9	-10	100	-4
08279	-0.05		-0.1	-0.1	1	-3	2	4	10	21500	55	-1	3	4	130	-5	14	11	10	195	-4
08280	-0.05		-0.1	0.1	-1	-3	2	5	8	17700	55	-1	4	4	95	-5	13	11	-10	220	6
08281	-0.05		-0.1	-0.1	-1	-3	2	5	6	15100	75	-1	3	4	75	-5	9	12	-10	170	4
08282	0.10		-0.1	0.2	4	-3	8	28	24	57500	80	-1	9	4	330	-5	32	26	10	95	4
08283	-0.05		-0.1	-0.1	-1	-3	4	5	8	16200	250	-1	3	4	75	-5	10	14	-10	115	4
08285	-0.05		-0.1	0.1	1	-3	6	8	8	21000	860	-1	4	4	100	-5	13	20	-10	160	-4
08286	0.05		-0.1	0.2	1	-3	12	17	8	29500	3100	-1	6	6	160	-5	22	36	-10	500	-4
08287	-0.05		-0.1	-0.1	-1	-3	6	10	10	27500	380	-1	5	4	160	-5	15	26	-10	170	-4
08288	-0.05		-0.1	0.1	-1	-3	6	7	8	22500	115	-1	5	-3	125	-5	12	28	10	90	-4
08290	-0.05		-0.1	0.1	2	-3	8	6	10	23000	100	-1	7	-3	100	-5	15	22	-10	140	-4
08291	-0.05		-0.1	0.1	-1	-3	6	13	8	26500	65	-1	5	-3	135	-5	13	40	-10	105	-4
08293	0.07		-0.1	0.1	4	-3	8	19	30	60500	830	-1	6	6	240	-5	44	34	-10	540	-4
08294	-0.05		-0.1	0.1	1	-3	8	7	12	28000	100	-1	7	4	135	-5	19	22	-10	145	-4
08295	0.09		-0.1	0.2	2	-3	6	14	14	40000	85	-1	7	4	195	-5	24	22	10	120	4
08297	-0.05		-0.1	0.1	2	-3	6	20	24	40000	55	-1	10	4	200	-5	28	22	10	230	-4
08298	0.07		-0.1	-0.1	1	-3	10	19	22	42000	240	-1	13	4	200	-5	24	26	-10	200	-4
08300	0.16		-0.1	-0.1	4	-3	12	19	26	45000	210	-1	17	6	220	-5	26	28	10	230	-4
08304	0.11		-0.1	-0.1	5	-3	18	16	30	54500	1520	-1	16	10	300	-5	38	30	-10	520	-4
08305	0.16		-0.1	-0.1	6	-3	14	24	34	47500	710	-1	17	8	210	-5	36	34	-10	350	-4
08307	0.09		-0.1	-0.1	12	-3	6	8	22	42000	60	-1	10	4	195	-5	24	22	-10	135	6

10

APPENDIX 3

REYNOLDS RANGE PROJECT

EL's 7344 & 7345

ROCK CHIP SAMPLING

ANALYTICAL RESULTS

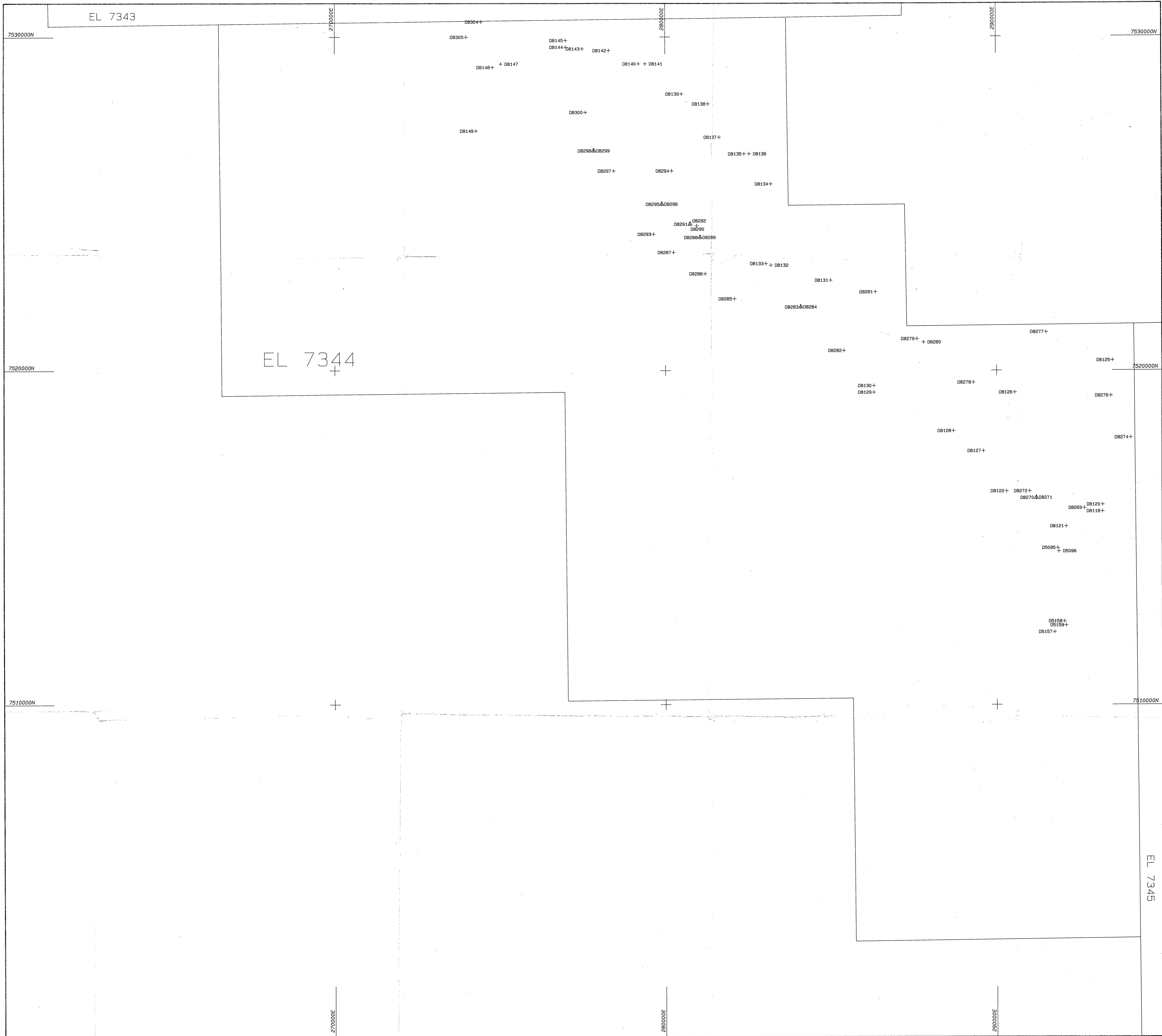
ROCK CHIP RESULTS

21

SAMPNO	AU(PPB)	AG	AS	BI	CA	CD	CE	CO	CR	CU	FE	K	LA
D5029	0.6	-0.1	-1	-3		-0.1		170	-2	7	214000		
D5072	1.2	-0.1	9	-3		-0.1		42	-2	8	263000		
D5073	3.2	-0.1	-1	135		7.0		135	-2	10	28000		
D5154	0.4	-0.1	2	-3		-0.1		28	-2	5	345000		
D5155	0.5	-0.1	-1	-3		-0.1		6	32	5	227000		
D5156	0.5	-0.1	-1	-3		-0.1		-2	22	4	6500		
D8114		0.1	8	-5	1080	0.4	25	14	16	38	50000	80	10
D8264		7.5	-3	-5	24500	17.0	125	220	-2	120	11400	12200	135
D8271		0.7	10	-5	2100	1.2	80	210	58	330	53400	1380	25
D8284		-0.1	4	5	620	0.1	230	12	14	10	18200	1260	100
D8289		-0.1	-3	-5	280	-0.1	-10	-2	10	6	810	390	-5
D8292		-0.1	4	5	75	-0.1	15	2	6	4	32400	45	10
D8296		0.1	6	5	260	0.2	105	64	270	680	36800	155	75
D8299		-0.1	4	-5	85	0.2	15	2	26	12	39300	1680	5

SAMPNO	MG	MN	MO	NA	NB	NI	P	PB	SB	SN	SR	TI	V
D5029		29000	-1			30	480	14	-5				11
D5072		27500	-1			17	380	34	5				38
D5073		461000	2			15	170	40	10				26
D5154		2300	-1			20	640	22	-5				44
D5155		3350	-1			6	50	30	-5				15
D5156		160	-1			4	60	-3	-5				1
D8114	650	330	-3	80	-5	24	3450	10	5	-5	12	210	16
D8264	3000	375000	-3	-5	5	38	890	50	-5	-5	1040	500	48
D8271	360	45000	-3	-5	5	82	3400	20	-5	-5	78	740	165
D8284	4300	1680	-3	165	-5	14	440	15	-5	-5	18	380	78
D8289	280	185	-3	110	-5	4	35	5	-5	-5	-2	130	4
D8292	-10	105	-3	90	-5	4	70	10	-5	-5	8	250	68
D8296	80	250	4	95	-5	24	3000	10	50	-5	14	680	1120
D8299	-10	60	-3	100	-5	12	80	15	40	-5	8	580	34

SAMPNO	Y	ZN	ZR	BA	U	W LITHCODE
D5029		330		840	6	-10 MN COAT XLINE CARB
D5072		125		510	16	10 IRONSTONE
D5073		110		2950	14	-10 MN RICH IRONSTONE
D5154		110		280	22	-10 IRONSTONE
D5155		26		40	84	630 QTZTE
D5156		3		100	-4	15 QTZ/TOURM GNEISS
D8114	14	190	5	15	-4	-10 SIL FE
D8264	90	980	15	15500	6	40 FE/HEM NODS IN CK
D8271	120	280	20	5700	36	20 FE/LIM,MIC FLT
D8284	12	36	40	300	-4	10 SIL SST+JASP-ZEOL?
D8289	-2	20	-5	15	-4	-10 VN Q+MNR MUSC
D8292	26	14	20	15	4	90 Q/HEM(SPECULAR)
D8296	120	84	145	30	68	-10 VUGGHY FE
D8299	6	22	75	25	4	30 SPEC HEM IN QTZTE



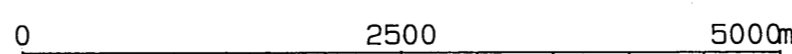
+ = STREAM
 Δ = ROCK

SCALE
 1: 50, 000

DATE
 19/01/93

SHEET
 1 of 2

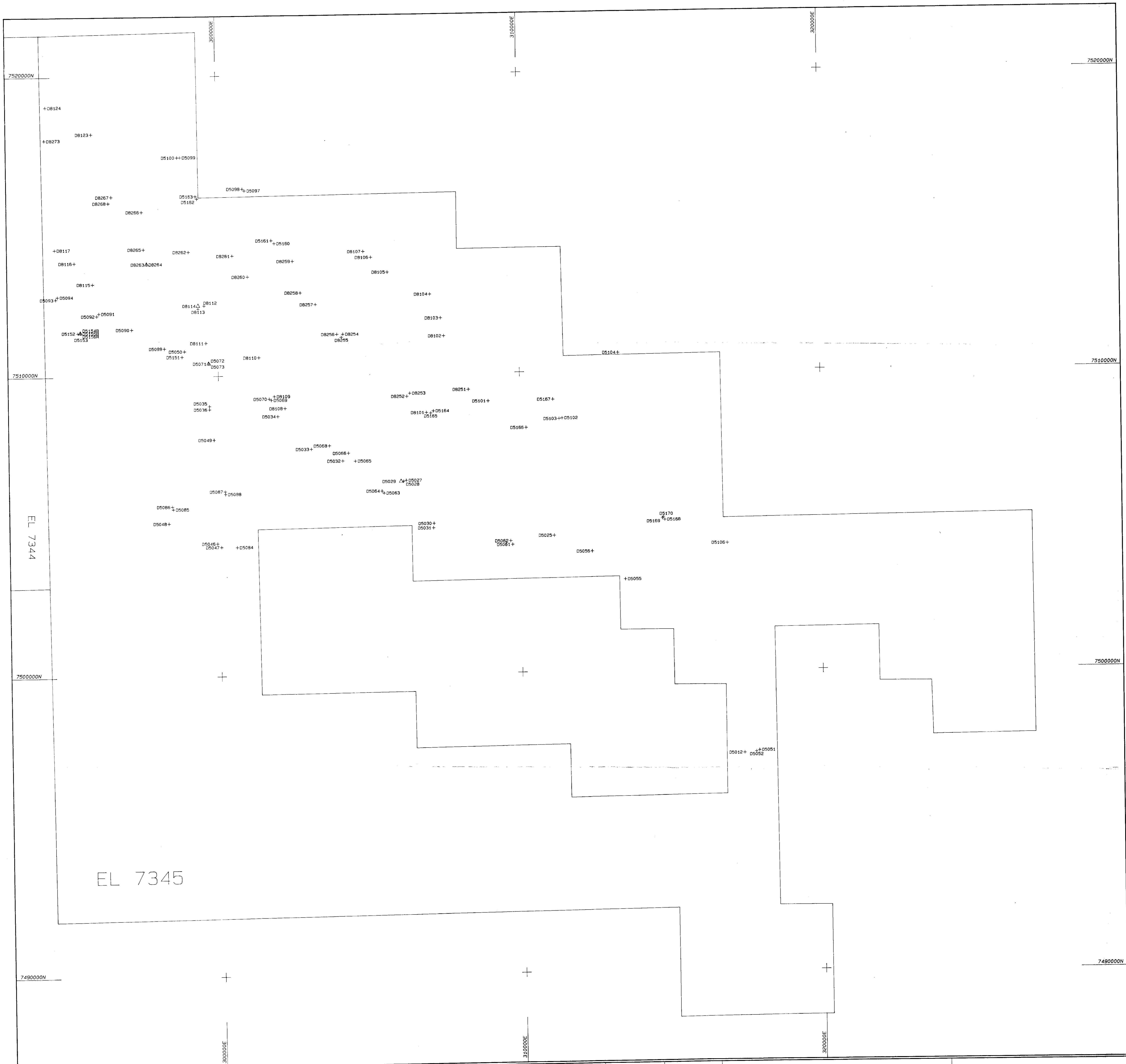
REF No.



REYNOLDS RANGE PROJECT
 EL 's 7344, 7345
 ALL SAMPLES

POSEIDON GOLD LTD
 DARWIN N.T.

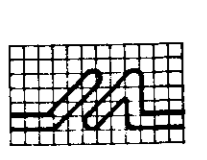
CR93/110



EL 7344

EL 7345

NOTES :
 CROSS = STREAM SAMPLE
 TRIANGLE = ROCK SAMPLE



SCALE	DATE	SHEET
1: 50, 000	19/01/93	2 of 2
REF No.		

REYNOLDS RANGE PROJECT
 EL 's 7344, 7345
 ALL SAMPLES

POSEIDON GOLD LTD
 DARWIN N.T.