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No. 9446

EL 2371

COONALPYN

**COMBINED FIRST ANNUAL / FINAL REPORT AT
LICENCE SURRENDER FOR THE PERIOD
27/6/1997 TO 26/6/1998**

Submitted by
Equinox Resources NL
1998

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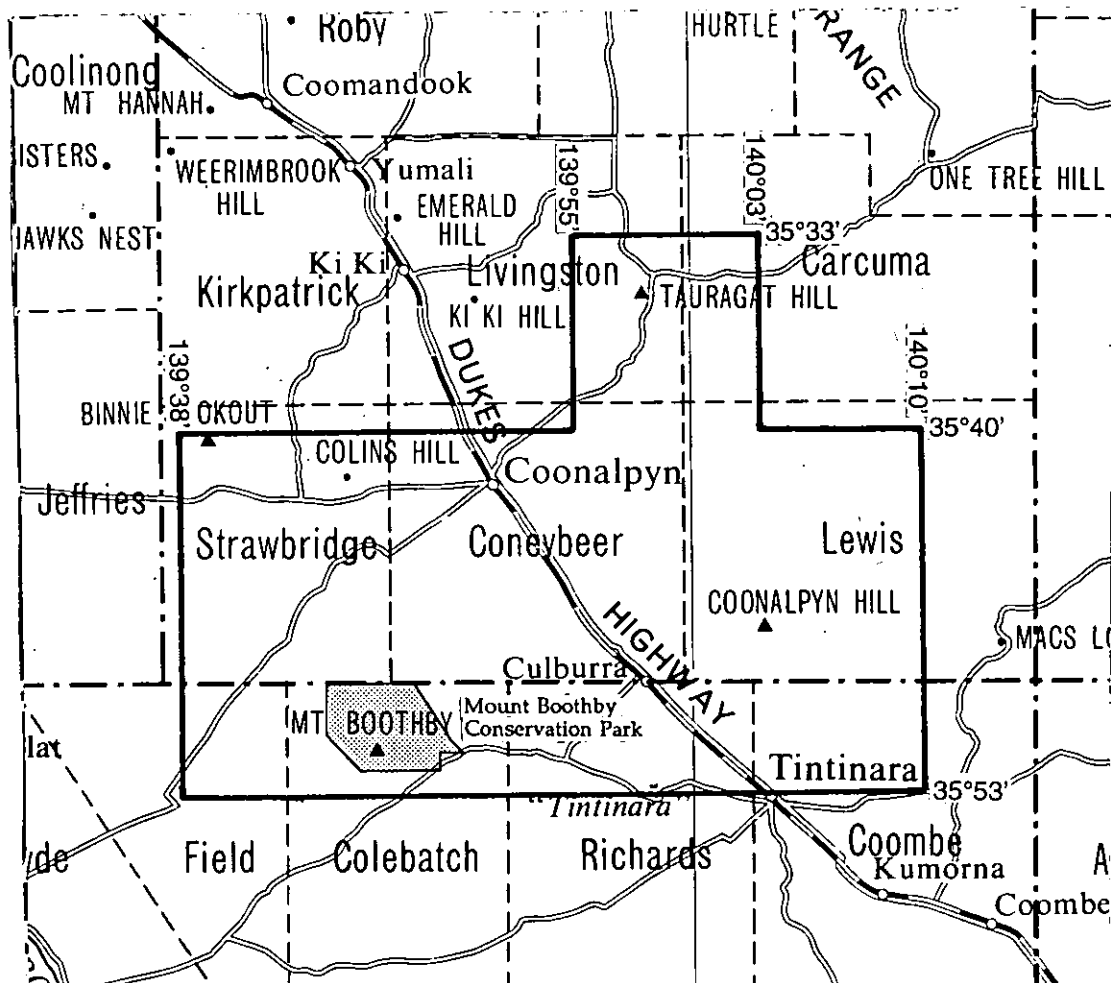
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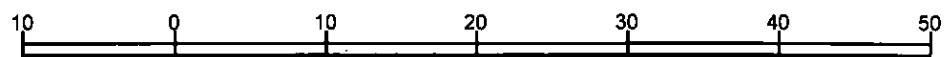
Government of South Australia
Primary Industries and Resources SA

SCHEDULE A



SURRENDERED

SCALE 1 : 500 000



KILOMETRES

APPLICANT : EQUINOX RESOURCES N.L.

DM : 134/97

AREA : 1275 square kilometres (approx.)

1:250 000 PLANS : PINNAROO

LOCALITY : COONALPYN AREA - Approximately 160 km southeast of Adelaide

DATE GRANTED : 27 June 1997

DATE EXPIRED : 26 June 1998

EL No : 2371

Dec.

ENVELOPE 9446

TENEMENT: EL 2371, Coonalpyn

TENEMENT HOLDER: Equinox Resources NL

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PLAN		
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EQUINOX RESOURCES NL

**"COONALPYN"
EXPLORATION LICENCE EL2371
PADTHAWAY RIDGE
SOUTHEAST SOUTH AUSTRALIA**

**Annual and Final Report
27th June 1997 - 26th June 1998**

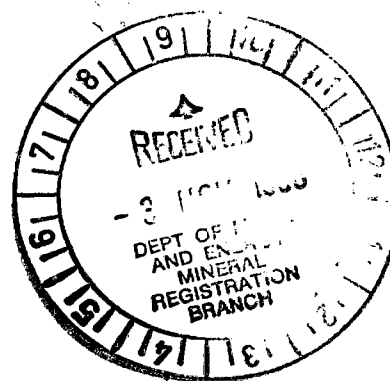
Reconnaissance Calcrete Sampling

by

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Mines & Energy SA

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SUMMARY

Coonalpyn EL 2371 straddles the Padthaway Ridge between Coonalpyn and Tintinara in southeast South Australia. The Padthaway Ridge is a Palaeozoic basement high within the Tertiary Murray Basin and comprises early Palaeozoic metamorphosed mafic volcanics and metasediments (?Kanmantoo Group) intruded by massive post-tectonic Delamerian granite which crops out southwest of Coonalpyn.

In 1994 as part of the South Australian Exploration Initiative, detailed low-level aeromagnetics was flown over the region at 400m line spacing. This identified some spectacular structures within the folded metamorphosed basement intruded by several large semi-circular granite plutons. Some of the structures are clearly zones of intense shear and magnetite alteration and they may have been active at the time of granite emplacement. Based on this interpretation, the Coonalpyn area is considered to be prospective for mesothermal Cu-Au (+Mo+Pb,Zn, Ag) mineralisation.

Calcrete is extensively developed throughout the Coonalpyn region and although within a sometimes relatively thick sequence of transported Cainozoic sediments, it was considered as a prospective exploration tool. Reconnaissance calcrete sampling was undertaken along roadside verges across the tenement and samples assayed for various elements including Cu, Au, As and base metals. At the same time, several calcrete samples were also collected along a short traverse at Sherlock across a known basement zinc anomaly discovered by the Department of Mines and Energy regional drilling program in 1994.

The results from Sherlock identified a weak low-order calcrete Zn-Au-As anomaly over the known basement anomalism indicating that the method had potential to identify similar anomalism elsewhere. Regional calcrete traverses across Coonalpyn EL 2371 were generally encouraging in that several low-order Zn-As anomalies greater than mean+1SD and one low-order Au anomaly were identified. A duplicate calcrete sample from the Au anomaly site did not confirm the original assay.

Due to the downturn in mineral exploration interest at the end of 1997, no follow-up work was undertaken on the Zn-As anomalies. Some consideration was given to the potential for heavy mineral sand mineralisation but it was decided to relinquish the tenement before any further exploration could be undertaken.

1.0 INTRODUCTION

Exploration License EL 2371 "Coonalpyn" is located approximately 150km southeast of Adelaide between Coonalpyn and Tintinara on the PINNAROO 1:250,000 map sheet (Fig. 1). It has an area of 1275 sq km and is in the Murray Mallee farming district where the main activities are grain cultivation and livestock grazing. The Mount Boothby Conservation Park is in the southwest corner of the tenement.

There is an extensive blanket of low ESE-trending sand dunes covering the entire EL but the area has been largely cleared of native mallee vegetation leading to a regional rising water table and saltification problem within interdunal corridors. There is good access throughout the region along the numerous existing roads and farm tracks and along the main Dukes Highway which extends from northwest to southeast across the tenement.

In 1994 as part of the South Australian Exploration Initiative (SAEI), detailed low-level aeromagnetics was flown over the region at 80m altitude (agl) along E-W flight lines at 400m line

spacing. Also in 1994, the Department of Mines and Energy (MESA) undertook a regional basement drilling program along selected roads northwest of the tenement leading to the discovery of low-grade basement Zn anomalism in metasediments and metavolcanics near Sherlock.

Regional interpretation of various total magnetic intensity (TMI) images generated from the aeromagnetic data (Fig. 2) recognised a belt of relatively linear NW-trending anomalies subparallel to the Dukes Highway in the northeastern half of the tenement and several semicircular highly magnetic anomalies in the southwestern half of the tenement. The very southwestern corner contains further NW-trending linear anomalies.

The regions dominated by linear anomalies have been interpreted as comprising a basement of folded metasediments and metavolcanics of probable early Palaeozoic Kanmantoo Group affinity. However, some of the intense linear magnetic anomalies are clearly cross-cutting and probably represent magnetite alteration along Delamerian shear zones.

Some of the shear zones have been truncated by the semicircular magnetic anomalies which are attributed to late or post-tectonic granitic intrusions but others appear to either control intrusions or cross-cut them. Therefore, there is a suggestion that there was coeval shearing and granite plutonism late during the Delamerian Orogeny. The coincidence of active structures and hydrothermal fluid movement generated by granite plutonism is considered favourable for mesothermal Cu-Au (+Mo+Pb,Zn, Ag) mineralisation. This was the basis for applying for an exploration tenement over the Coonalpyn area. Other exploration targets within the tenement include early Palaeozoic Hellyer-style base metal mineralisation and heavy mineral sands.

2.0 METHODS

Work undertaken in 1997-1998 included:

- regional review of aeromagnetic data and previous investigations
- acquisition and review of the excellent Kanmantoo Province GIS dataset
- reconnaissance calcrete and soil sampling along several roadside traverses across the tenement
- assay of calcrete samples and interpretation of results.

Calcrete and/or soil samples were collected at 1 km intervals along roadside verges where they were least likely to be affected by cultivation. Calcrete samples were generally collected from the top of the carbonate horizon within the regolith profile and both duplicate calcrete and soil samples were collected at each site. Soil samples were generally collected from ca 200-300mm depth below the surface. Calcrete samples were screened to +5mm while soil samples were screened to -5mm. Due to the relative abundance of good calcrete, only calcrete samples were assayed. Samples were assayed for Au, Cu, Ag, Bi, Co, Cr, Pb, Zn, Mo, Ni and Sb by aqua regia digest and AAS (Appendix A).

3.0 RESULTS

3.1 Calcrete Sampling

A total of 70 calcrete and 121 soil samples (including 70 soils from calcrete sites) were collected along three broad NE-trending roadside transects (Fig. 3). An additional 12 calcrete + soil samples were collected just to the north of Coonalpyn across the Sherlock zinc anomaly identified by MESA in a bedrock drilling program.

3.2 Calcrete Geochemistry

Mean and (mean + 2std dev) results for the reconnaissance calcrete are:

<u>Metal</u>	<u>Mean</u>	<u>Std Dev</u>	<u>Mean + 2 Std Dev</u>
Au (ppb)	0.3	0.7	1.6
Cu (ppm)	1.7	1.0	3.7
Zn (ppm)	1.7	1.1	3.8
As (ppm)	5.3	3.8	12.9

Of particular surprise with the original data was very high arsenic values up to 200ppm As. This was considered unusual since calcrete from the Gawler Craton rarely has arsenic values > 25ppm. Upon checking and re-assay, the very high arsenic values were found to be in error by about an order of magnitude. Updated assays range from 2-15ppm As which is more comparable to typical Gawler Craton calcrete.

Because of the uncertainties raised by these assays, duplicate calcrete samples collected at the same time as the original samples and from the same sieve fraction were submitted for assay. The results are compared below (duplicate samples are paired):

	Analabs Ref.	Ag	As	Ca	Co	Cu	Ni	Pb	Zn	Au
UNITS		ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppb
DETECTION		0.1	5	0.01	0.5	0.5	0.5	0.5	0.5	0.05
METHOD		GA115	GA115	GA115	GA115	GA115	GA115	GA115	GA115	GG341
67333	AD018004	0.1	X	26.31	6.9	0.6	5	0.7	X	0.19
67264	AD017914	<0.1	<5	23.08	4.7	1	4.2	2	2	0.18
67334	AD018004	X	X	22.08	7	0.8	7.6	3	X	0.35
67274	AD017914	0.1	<5	21.4	4.5	1.6	8.5	1.4	3.8	0.98
67335	AD018004	X	6	11.91	2.3	3.4	5.2	X	3.1	0.23
67297	AD017914	<0.1	10	10.36	1.5	6.2	6.5	0.9	5.2	0.21
67336	AD018004	X	X	23.34	4.3	1.8	5.3	X	2.5	0.36
67313	AD017914	<0.1	6	19.68	3.4	2.1	6.9	0.6	4.8	0.29
67337	AD018004	X	X	18.29	2.4	0.6	2.7	X	X	0.12
67317	AD017914	<0.1	<5	14.89	1.4	2.5	6.4	1.2	2.7	5.76

While most of the results are of a similar order of magnitude, there are some concerns:

1. Ca and Co are consistently higher while Cu, Ni and Zn are consistently lower in the duplicate samples (Analabs Ref. AD018004)
2. the duplicate for sample 67317 which had anomalous Au contained only background Au.

The single reconnaissance traverse across the MESA Sherlock zinc anomaly has identified a coincident 5km zone of anomalous zinc in calcrete ranging from 1.7-5.2ppm Zn (Fig. 4). There was also trace Au and one anomalous As sample.

Anomalous calcrete assays in EL 2371 ranging up to 5.8ppb Au (nb duplicate assay was 0.1ppb Au), 14ppm As and 4.8ppm Zn indicate that there could be zones of significant Zn-Au anomalism in basement rocks beneath the sand cover. The anomalous assays are coincident with major NW-trending aeromagnetic features generally northeast of the Dukes Highway (Fig. 4).

4.0 CONCLUSIONS AND RECOMMENDATIONS

Although several potential calcrete anomalies have been identified within the area of EL 2073 and may represent concealed basement mineralisation within Kanmantoo Group metasediments or along structures active at the time of granite plutonism, none have been followed up. An orientation transect at Sherlock has clearly demonstrated that calcrete sampling could be an effective exploration method in this area of the Padthaway Ridge where basement is relatively shallow and the overlying Cainozoic sediments relatively thin.

Therefore, it is recommended that a regional calcrete sampling program be undertaken along interdunal corridors throughout the tenement. The thickness of Quaternary sand and potential Tertiary sediments is likely to be relatively thin across most of the EL but may increase rapidly in the northeastern and southwestern corners. Calcrete is likely to be less reliable in these corners.

Appendix A

Calcrete Sample Locations and Geochemistry

Coonalpyn EL 2371
Calcrete Sample Locations and Geochemistry

Sample No	Easting	Northing	Co-ord	Date	Sample Method	Calcrete Type	Sieve (mm)	Cover Type & Depth (m)					Frag't Size	SD#	Lab. Report
								Surface	Thin Sand	Thick Sand	Thin Soil	Thick Soil			
67251	395995	6049650	GPS/AMG	05-11-97	Hand	MN	+5				0.2		Z	S1035	AD017914
67252	396635	6049810	GPS/AMG	05-11-97	Hand	M	+5				0.2		C	S1035	AD017914
67253	396980	6050760	GPS/AMG	05-11-97	Hand	MN	+5				0.4		C	S1035	AD017914
67254	397665	6051480	GPS/AMG	05-11-97	Hand	M	+5				0.3		MC	S1035	AD017914
67255	398575	6052170	GPS/AMG	05-11-97	Hand	MN	+5			1			MC	S1035	AD017914
67256	399290	6052675	GPS/AMG	05-11-97	Hand	MN	+5		0.2				MC	S1035	AD017914
67257	400025	6053355	GPS/AMG	05-11-97	Hand	M	+5				0.2		C	S1035	AD017914
67258	400820	6053965	GPS/AMG	05-11-97	Hand	MN	+5				0.2		C	S1035	AD017914
67259	401695	6054495	GPS/AMG	05-11-97	Hand	N	+5				0.4		C	S1035	AD017914
67260	402615	6054765	GPS/AMG	05-11-97	Hand	MN	+5				0.2		MC	S1035	AD017914
67261	403555	6055170	GPS/AMG	05-11-97	Hand	MN	+5				0.3		C	S1035	AD017914
67262	404970	6056440	GPS/AMG	05-11-97	Hand	N	+5				0.3		MC	S1035	AD017914
67263	405590	6057135	GPS/AMG	05-11-97	Hand	N	+5				0.3		M	S1035	AD017914
67264	406215	6057875	GPS/AMG	05-11-97	Hand	M	+5				0.2		CZ	S1035	AD017914
67265	406465	6058835	GPS/AMG	05-11-97	Hand	M	+5				0.2		MC	S1035	AD017914
67266	406310	6059845	GPS/AMG	05-11-97	Hand	M	+5		0.2				M	S1035	AD017914
67267	408855	6048685	GPS/AMG	05-11-97	Hand	N	+5				0.3		MC	S1035	AD017914
67268	408055	6047500	GPS/AMG	05-11-97	Hand	N	+5					0.5	M	S1035	AD017914
67269	406890	6047495	GPS/AMG	05-11-97	Hand	N	+5					0.5	M	S1035	AD017914
67270	406040	6047120	GPS/AMG	05-11-97	Hand	NP	+5					0.5	FM	S1035	AD017914
67271	404500	6045925	GPS/AMG	05-11-97	Hand	MN	+5				0.3		Z	S1035	AD017914
67272	402840	6044560	GPS/AMG	05-11-97	Hand	N	+5				0.4		MC	S1035	AD017914
67273	395905	6048685	GPS/AMG	05-11-97	Hand	N	+5				0.4		C	S1035	AD017914
67274	395250	6048255	GPS/AMG	05-11-97	Hand	N	+5					0.5	M	S1035	AD017914
67275	394290	6047640	GPS/AMG	05-11-97	Hand	NM	+5				0.3		MC	S1035	AD017914
67276	393560	6047105	GPS/AMG	05-11-97	Hand	N	+5				0.3		CZ	S1035	AD017914
67277	391470	6045360	GPS/AMG	05-11-97	Hand	N	+5				0.4		CZ	S1035	AD017914
67278	388630	6044760	GPS/AMG	05-11-97	Hand	N	+5				0.3		Z	S1035	AD017914
67279	387660	6044685	GPS/AMG	05-11-97	Hand	M	+5	X			0.2		Z	S1035	AD017914
67280	385560	6042545	GPS/AMG	05-11-97	Hand	M	+5	X					MC	S1035	AD017914
67281	384995	6041720	GPS/AMG	05-11-97	Hand	M	+5	X					C	S1035	AD017914
67282	384265	6041185	GPS/AMG	05-11-97	Hand	M	+5	X					CZ	S1035	AD017914
67283	383735	6042075	GPS/AMG	05-11-97	Hand	M	+5	X					CZ	S1035	AD017914
67284	382125	6037785	GPS/AMG	05-11-97	Hand	M	+5			0.6			MC	S1035	AD017914
67285	377380	6031485	GPS/AMG	05-11-97	Hand	M	+5		0.2		0.2		C	S1035	AD017914

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Coonalpyn EL 2371
Calcrete Sample Locations and Geochemistry

Sample No	Easting	Northing	Co-ord	Date	Sample Method	Calcrete Type	Sieve (mm)	Cover Type & Depth (m)					SD#	Lab. Report	
								Surface	Thin Sand	Thick Sand	Thin Soil	Thick Soil			Frag't Size
67286	378195	6048310	GPS/AMG	05-11-97	Hand	N	+5		0.4		0.4		CZ	S1035	AD017914
67287	379155	6048270	GPS/AMG	05-11-97	Hand	N	+5			0.5		0.5	CZ	S1035	AD017914
67288	400035	6040670	GPS/AMG	05-11-97	Hand	M	+5				0.4		C	S1035	AD017914
67289	398955	6040635	GPS/AMG	05-11-97	Hand	MN	+5				0.1		C	S1035	AD017914
67290	398285	6040585	GPS/AMG	05-11-97	Hand	N	+5				0.4		MC	S1035	AD017914
67291	396085	6040565	GPS/AMG	05-11-97	Hand	M	+5		0.4				CZ	S1035	AD017914
67292	395060	6040555	GPS/AMG	05-11-97	Hand	MN	+5		0.4				C	S1035	AD017914
67293	394305	6040550	GPS/AMG	05-11-97	Hand	MN	+5				0.4		CZ	S1035	AD017914
67294	383815	6082660	GPS/AMG	05-11-97	Hand	N	+5				0.4		Z	S1035	AD017914
67295	384225	6083505	GPS/AMG	05-11-97	Hand	N	+5				0.4		Z	S1035	AD017914
67296	384565	6084395	GPS/AMG	05-11-97	Hand	N	+5				0.3		Z	S1035	AD017914
67297	384800	6085400	GPS/AMG	05-11-97	Hand	NM	+5				0.3		Z	S1035	AD017914
67298	385435	6086195	GPS/AMG	05-11-97	Hand	NM	+5			0.5			M	S1035	AD017914
67299	386130	6086885	GPS/AMG	05-11-97	Hand	N	+5				0.3		Z	S1035	AD017914
67300	386890	6087400	GPS/AMG	05-11-97	Hand	NM	+5				0.2		Z	S1035	AD017914
67301	390150	6028280	GPS/AMG	05-11-97	Hand	F	+5			X			Z	S1035	AD017914
67302	391010	6028820	GPS/AMG	05-11-97	Hand	NM	+5				X		Z	S1035	AD017914
67303	391860	6029370	GPS/AMG	05-11-97	Hand	N	+5				X		C	S1035	AD017914
67304	392650	6029875	GPS/AMG	05-11-97	Hand	M	+5				X		CZ	S1035	AD017914
67305	393490	6030425	GPS/AMG	05-11-97	Hand	M	+5				X		MC	S1035	AD017914
67306	394325	6031020	GPS/AMG	05-11-97	Hand	NM	+5				X		CZ	S1035	AD017914
67307	402970	6032940	GPS/AMG	05-11-97	Hand	N	+5				X		MC	S1035	AD017914
67308	403620	6033625	GPS/AMG	05-11-97	Hand	N	+5				X		MC	S1035	AD017914
67309	404335	6034360	GPS/AMG	05-11-97	Hand	N	+5				X	X	M	S1035	AD017914
67310	405000	6035120	GPS/AMG	05-11-97	Hand	N	+5				X		M	S1035	AD017914
67311	405680	6035805	GPS/AMG	05-11-97	Hand	N	+5				X		M	S1035	AD017914
67312	407985	6036015	GPS/AMG	05-11-97	Hand	NM	+5				X		Z	S1035	AD017914
67313	408985	6036000	GPS/AMG	05-11-97	Hand	N	+5				X		MC	S1035	AD017914
67314	409975	6036015	GPS/AMG	05-11-97	Hand	M	+5					X	M	S1035	AD017914
67315	411000	6036045	GPS/AMG	05-11-97	Hand	N	+5				X		Z	S1035	AD017914
67316	412030	6036080	GPS/AMG	05-11-97	Hand	M	+5				X		M	S1035	AD017914
67317	413020	6036065	GPS/AMG	05-11-97	Hand	N	+5				X		Z	S1035	AD017914
67318	415340	6029260	GPS/AMG	05-11-97	Hand	FN	+5				X		C	S1035	AD017914
67319	416020	6029990	GPS/AMG	05-11-97	Hand	N	+5				X		CZ	S1035	AD017914
67320	416540	6030945	GPS/AMG	05-11-97	Hand	MN	+5				X		C	S1035	AD017914

0011

Coonalpyn EL 2371
Calcrete Sample Locations and Geochemistry

Sample No	Easting	Northing	Co-ord	Date	Sample Method	Calcrete Type	Sieve (mm)	Cover Type & Depth (m)					SD#	Lab. Report	
								Surface	Thin Sand	Thick Sand	Thin Soil	Thick Soil			Frag't Size
67321	416540	6031875	GPS/AMG	05-11-97	Hand	M	+5				X		MC	S1035	AD017914
67322	416690	6032970	GPS/AMG	05-11-97	Hand	M	+5		X		X		C	S1035	AD017914
67323	417100	6034080	GPS/AMG	05-11-97	Hand	M	+5						FM	S1035	AD017914
67324	417270	6035040	GPS/AMG	05-11-97	Hand	M	+5			X		X	FM	S1035	AD017914
67325	417450	6036020	GPS/AMG	05-11-97	Hand	M	+5			X		X	M	S1035	AD017914
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67327	417510	6038000	GPS/AMG	05-11-97	Hand		+5				X		MC	S1035	AD017914
67328	387645	6088000	GPS/AMG	05-11-97	Hand		+5				X		Z	S1035	AD017914
67329	388395	6088655	GPS/AMG	05-11-97	Hand		+5				X		Z	S1035	AD017914
67330	389100	6089370	GPS/AMG	05-11-97	Hand		+5				X		Z	S1035	AD017914
67331	389800	6090080	GPS/AMG	05-11-97	Hand		+5				X		Z	S1035	AD017914
67332	390440	6090710	GPS/AMG	05-11-97	Hand		+5		X				Z	S1035	AD017914
67333	406215	6057875	GPS/AMG	05-11-97	Hand	M	+5				0.2		CZ	S1042	AD018004
67334	395250	6048255	GPS/AMG	05-11-97	Hand	N	+5					0.5	M	S1042	AD018004
67335	384800	6085400	GPS/AMG	05-11-97	Hand	NM	+5				0.3		Z	S1042	AD018004
67336	408985	6036000	GPS/AMG	05-11-97	Hand	N	+5				X		MC	S1042	AD018004
67337	413020	6036065	GPS/AMG	05-11-97	Hand	N	+5				X		Z	S1042	AD018004

0012

Coonalpyn EL 2371
Calcrete Sample Locations and Geochemistry

Sample No	Au	Au:R	Ag	Co	Ca	Cu	Ni	Pb	Zn	As	Sb	Bi	Mo	Cr
	0.05 ppb GG334	0.05 ppb GG334	0.1 ppm GA115	0.5 ppm GA115	0.01 % GA115	0.5 ppm GA115	0.5 ppm GA115	0.5 ppm GA115	0.5 ppm GA115	5 ppm GA115	2 ppm GA115	1 ppm GA115	1 ppm GA115	1 ppm GA115
67251	0.22		<0.1	6	22.32	2.5	7.2	1.8	1	6	3	5	2	8
67252	<0.05		<0.1	5.5	20.69	2.8	7.5	1.5	0.6	<5	6	3	<1	8
67253	<0.05		<0.1	7.3	22.69	3.1	9	2	0.6	13	4	2	<1	11
67254	0.09		<0.1	4.2	18.96	1.8	5.5	1	2.3	10	9	2	1	6
67255	0.2		0.1	4.2	21.73	2.4	4.9	1.6	2.6	9	3	1	2	6
67256	0.11		0.1	4.1	12.07	2.4	5.7	0.9	3.8	12	<2	6	2	14
67257	0.05		<0.1	3.6	15.05	2.1	3.6	1.2	2	11	5	5	<1	5
67258	<0.05		<0.1	4.1	22.28	2	6	2.2	2	13	3	5	1	8
67259	0.24		<0.1	2.8	22.87	1.9	5.5	2.1	2	<5	5	5	1	5
67260	0.09		<0.1	2.7	27.62	1.8	3.1	2.4	1.2	<5	9	5	1	5
67261	0.15		<0.1	3.8	21.51	1.5	4.2	1.7	1.8	<5	6	7	<1	5
67262	0.15		<0.1	4.5	25.88	1.1	4.7	1.6	1.4	7	6	6	<1	36
67263	0.09		0.1	3.9	26.31	1.3	3.8	2	1.5	<5	<2	12	4	5
67264	0.18		<0.1	4.7	23.08	1	4.2	2	2	<5	4	10	5	4
67265	0.32		<0.1	3	22.46	1.4	3.6	1.7	1.5	<5	9	10	<1	5
67266	0.16		<0.1	1.2	18.81	1.5	4.5	1.1	1.2	6	6	10	1	4
67267	0.05		<0.1	6.1	25.37	1.9	5.2	3.6	2.1	<5	10	10	1	10
67268	<0.05		<0.1	4.2	24.95	2.6	4.3	2.3	3.6	<5	3	11	1	4
67269	<0.05		<0.1	3.1	28.13	1.2	2.3	1.6	2.3	<5	7	1	<1	6
67270	<0.05	<0.05	<0.1	1.9	27.38	1.2	1.7	2	2.3	<5	<2	<1	<1	3
67271	<0.05		<0.1	3.8	19.9	2.4	7.8	0.8	2.1	<5	5	<1	<1	6
67272	<0.05		<0.1	2.7	20.54	1.4	6.6	3.1	3.4	<5	4	<1	<1	5
67273	<0.05		<0.1	4.7	25.16	1.4	8.4	1.9	3.1	<5	7	<1	<1	4
67274	0.98		0.1	4.5	21.4	1.6	8.5	1.4	3.8	<5	7	2	<1	7
67275	<0.05		0.1	2.9	22.76	1.2	3.7	0.9	1.6	<5	4	2	<1	6
67276	<0.05		0.1	5	28.5	1.8	6.3	1.6	1.3	6	<2	3	<1	5
67277	<0.05		<0.1	4.5	27.08	1	3.7	1.3	1.5	5	<2	4	<1	3
67278	<0.05		<0.1	1.7	34.47	0.8	2	0.9	1.8	<5	<2	<1	<1	3
67279	0.27		<0.1	4.6	30.49	0.9	4.8	0.7	1.2	9	<2	4	<1	3
67280	0.69		0.1	5.4	30.88	0.9	2.2	0.8	0.8	9	<2	2	<1	6
67281	0.48		<0.1	1.9	33.62	0.8	1.3	<0.5	0.6	10	<2	3	<1	3
67282	0.11		<0.1	2.8	33.4	0.8	2.4	0.7	0.9	<5	<2	<1	1	3
67283	0.11		<0.1	3.1	31.12	0.5	4.5	<0.5	<0.5	<5	<2	1	<1	2
67284	0.14		0.1	2.4	16.21	0.9	4.6	0.6	1.6	8	<2	<1	<1	3
67285	0.58		<0.1	3.8	23.17	0.6	6.7	0.6	1	<5	<2	<1	<1	4

0013

Coonalpyn EL 2371
Calcrete Sample Locations and Geochemistry

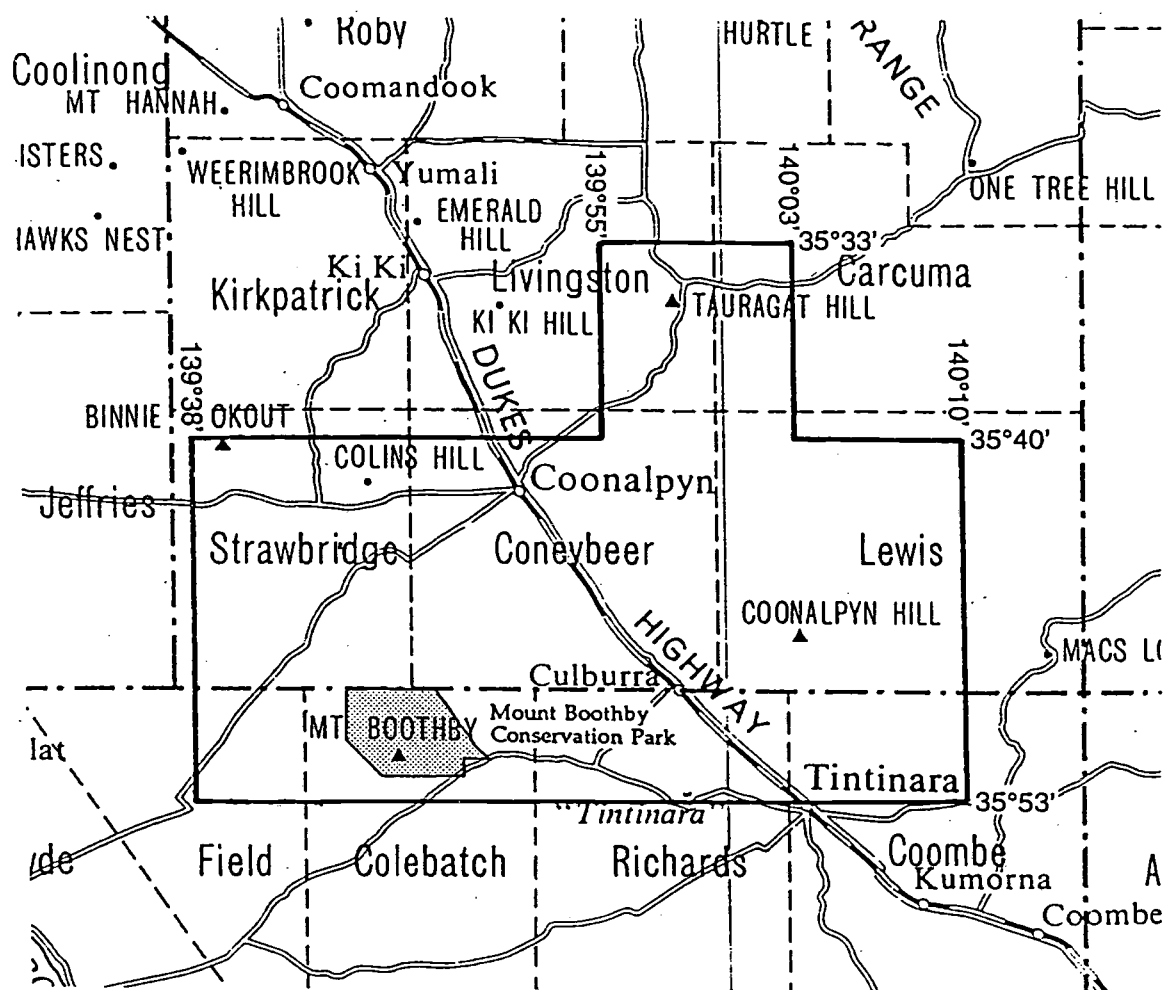
Sample No	Au	Au:R	Ag	Co	Ca	Cu	Ni	Pb	Zn	As	Sb	Bi	Mo	Cr
	0.05 ppb GG334	0.05 ppb GG334	0.1 ppm GA115	0.5 ppm GA115	0.01 % GA115	0.5 ppm GA115	0.5 ppm GA115	0.5 ppm GA115	0.5 ppm GA115	5 ppm GA115	2 ppm GA115	1 ppm GA115	1 ppm GA115	1 ppm GA115
67286	<0.05		<0.1	1.9	21.44	1.4	4.8	0.6	2.2	6	3	<1	<1	2
67287	0.11		<0.1	3.3	22.02	0.8	6.1	0.5	1.3	9	<2	<1	<1	2
67288	0.41		<0.1	5.2	29.84	1.3	8.5	1.5	3	<5	2	<1	<1	6
67289	0.06		<0.1	3.2	28.92	1	5.7	<0.5	1	9	<2	<1	<1	2
67290	0.27	0.31	<0.1	7.6	27.6	1.1	8.8	1.3	2.4	<5	<2	3	<1	2
67291	0.36		<0.1	3	29.54	0.7	6	<0.5	0.7	7	2	3	<1	2
67292	0.33		<0.1	2.5	29.15	0.9	7.7	0.5	<0.5	<5	<2	5	<1	3
67293	0.69		<0.1	1.2	31.36	<0.5	4.4	<0.5	<0.5	11	4	4	<1	<1
67294	0.38		<0.1	6.5	21.32	2.2	12.2	1.6	2.9	<5	<2	2	<1	5
67295	0.39		<0.1	4.2	23.65	2.2	12.2	0.6	3.5	8	6	3	<1	2
67296	1.05		<0.1	3.1	25.03	1.2	9.5	1.1	2.4	7	3	2	<1	2
67297	0.21		<0.1	1.5	10.36	6.2	6.5	0.9	5.2	10	<2	1	<1	2
67298	0.45		<0.1	<0.5	23.6	3.4	7.9	<0.5	1.7	8	4	3	<1	1
67299	0.99		<0.1	5.2	24.59	3.8	15.5	0.5	3.1	15	<2	2	<1	1
67300	1.06		<0.1	1.8	28.29	4.8	8.1	0.6	1.2	<5	<2	4	<1	1
67301	0.1		<0.1	3.7	25.98	1.5	8.6	1.7	2.9	9	<2	3	<1	<1
67302	0.33		<0.1	3.7	27.54	1.4	4.2	<0.5	1	14	<2	7	<1	<1
67303	0.28		<0.1	4.2	28.88	1	6.3	1.1	1.6	6	<2	7	<1	<1
67304	<0.05		<0.1	1.3	28.41	0.8	4.1	1.5	1.3	9	<2	5	<1	4
67305	0.82		<0.1	0.6	32.93	0.6	3.2	<0.5	<0.5	<5	<2	3	<1	<1
67306	0.19		0.1	3	32.03	0.6	3.6	<0.5	<0.5	5	<2	3	<1	1
67307	<0.05		0.2	3.8	22.63	1.2	8	1	1.6	<5	<2	3	<1	1
67308	<0.05		0.1	3.4	19.59	1	7.1	1.1	1.2	<5	2	4	<1	1
67309	<0.05		<0.1	4.2	23.29	0.9	6.7	1.3	1.4	11	<2	3	<1	<1
67310	<0.05	<0.05	<0.1	2.9	21.89	1.5	6.8	0.6	1.7	13	<2	4	<1	2
67311	0.11		<0.1	2.3	19.73	1	7.1	1	1.7	<5	<2	3	<1	3
67312	<0.05		0.1	0.8	26.31	1.1	3.9	<0.5	0.7	<5	<2	4	<1	1
67313	0.29		<0.1	3.4	19.68	2.1	6.9	0.6	4.8	6	9	2	<1	2
67314	0.39		0.1	2.4	14.44	1.9	7.1	0.9	2.4	9	10	5	<1	2
67315	0.19		<0.1	1.5	20.46	1.4	5.1	<0.5	1.2	5	6	6	<1	1
67316	0.25		<0.1	1.2	16.54	1.9	8	0.7	2.4	5	8	6	1	3
67317	5.76		<0.1	1.4	14.89	2.5	6.4	1.2	2.7	<5	11	4	<1	<1
67318	0.25		0.1	1.6	19.47	3.3	9	0.6	2.2	<5	<2	6	<1	1
67319	<0.05		<0.1	1.1	19.8	1.3	4.7	<0.5	2	<5	<2	4	<1	<1
67320	0.1		<0.1	1.6	22.36	1.4	5.1	<0.5	1	<5	7	5	1	<1

0014

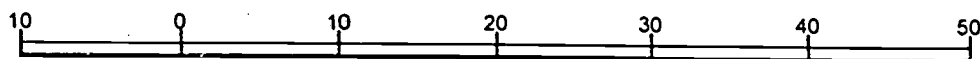
Coonalpyn EL 2371
Calcrete Sample Locations and Geochemistry

Sample No	Au	Au:R	Ag	Co	Ca	Cu	Ni	Pb	Zn	As	Sb	Bi	Mo	Cr
	0.05 ppb GG334	0.05 ppb GG334	0.1 ppm GA115	0.5 ppm GA115	0.01 % GA115	0.5 ppm GA115	0.5 ppm GA115	0.5 ppm GA115	0.5 ppm GA115	5 ppm GA115	2 ppm GA115	1 ppm GA115	1 ppm GA115	1 ppm GA115
67321	0.08		0.1	4.4	16.35	1.4	5.7	0.5	0.6	8	6	4	<1	2
67322	0.31		0.1	1.6	22.09	1.7	5.6	<0.5	0.6	<5	8	6	<1	2
67323	0.14		0.1	1.9	11.62	1.8	5.7	1	1.9	6	8	4	<1	1
67324	0.08		0.1	1.3	23.41	2	4.9	1	1	7	10	1	<1	1
67325	0.11		<0.1	3	22.25	2	7	0.5	1	<5	6	1	<1	1
67326	0.19		0.1	4.5	36.38	1.4	8.6	0.6	<0.5	<5	6	2	1	1
67327	0.11		0.1	4.3	34.98	0.8	7.8	1	<0.5	10	7	<1	1	1
67328	1.27		0.1	4.2	23.2	3.5	14.4	1.2	<0.5	<5	<2	1	<1	1
67329	0.78		<0.1	1.9	29.59	2.8	11.7	1.5	<0.5	6	<2	2	2	<1
67330	0.47	0.44	<0.1	1.1	25.5	4	9	1.2	1	<5	<2	3	1	<1
67331	0.3		0.1	2.2	25.43	2.7	10.7	0.7	0.7	<5	5	3	3	2
67332	0.45		<0.1	4	23.6	2.9	14.9	1.7	0.6	<5	3	3	<1	2
67333	0.19		0.1	6.9	26.31	0.6	5	0.7	<0.5	<5				
67334	0.35		<0.1	7	22.08	0.8	7.6	3	<0.5	<5				
67335	0.23		<0.1	2.3	11.91	3.4	5.2	<0.5	3.1	6				
67336	0.36		<0.1	4.3	23.34	1.8	5.3	<0.5	2.5	<5				
67337	0.12		<0.1	2.4	18.29	0.6	2.7	<0.5	<0.5	<5				

0015



SCALE 1 : 500 000



KILOMETRES

APPLICANT : EQUINOX RESOURCES N.L.

DM : 134/97

AREA : 1275 square kilometres (approx.)

1:250 000 PLANS : PINNAROO

LOCALITY : COONALPYN AREA - Approximately 160 km southeast of Adelaide

Figure 1

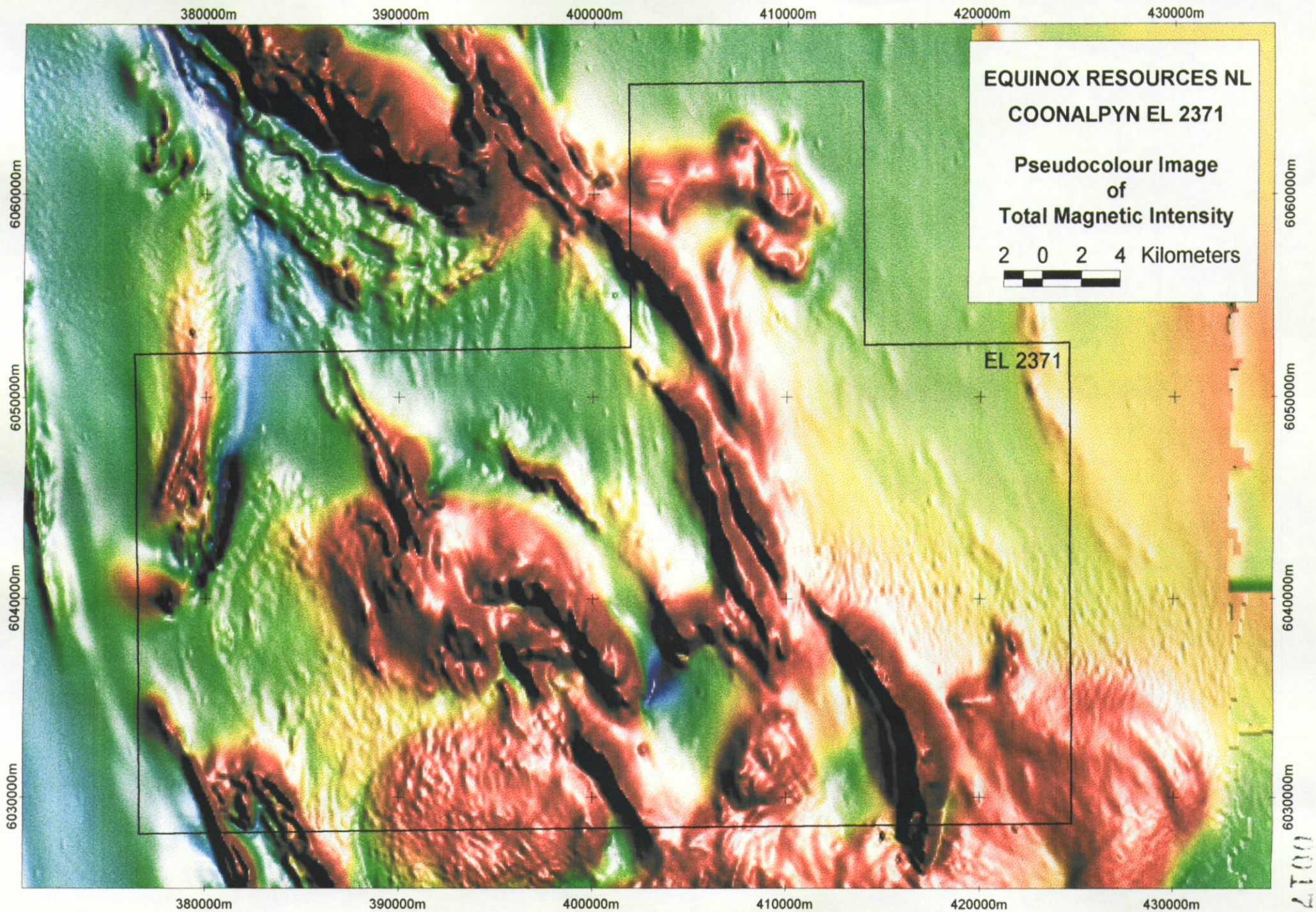


Figure 2

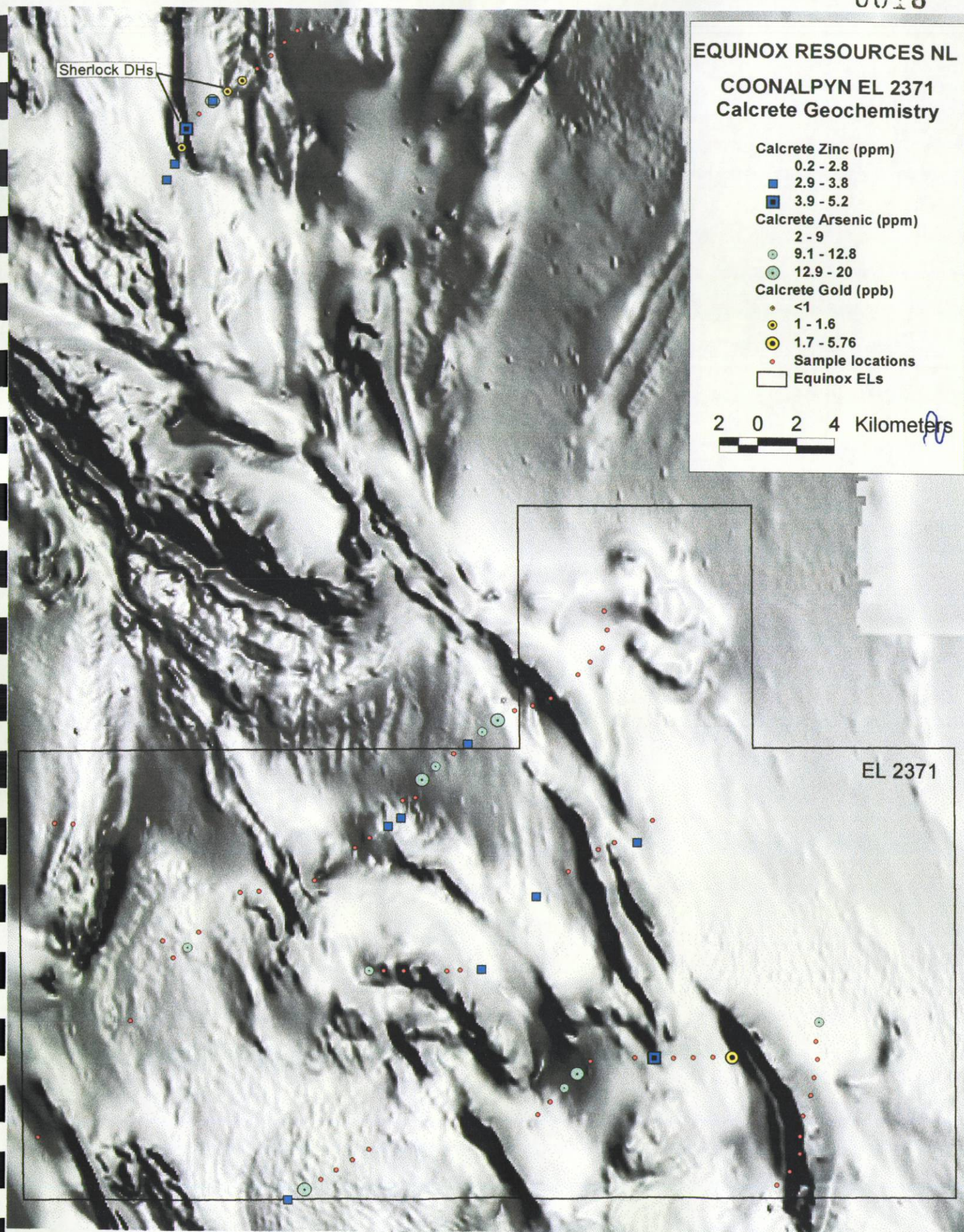
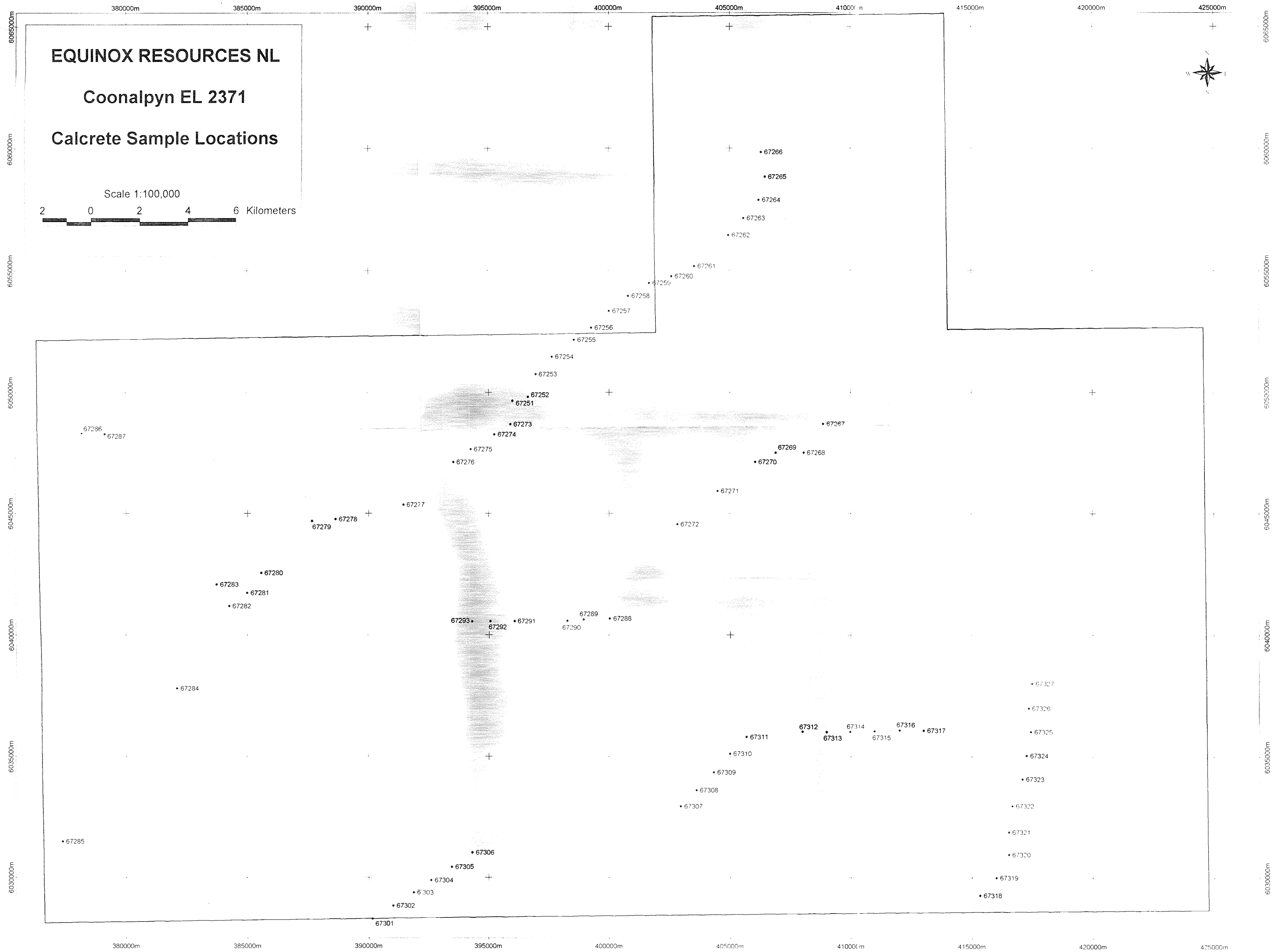


Figure 4



9446-1

Figure 3