PIMA MINING NL

Kingoonya Geochemical Survey 1996

EL 2174 Gawler Craton South Australia

EL 22~~35~~ 53 Gawler Craton South Australia

February 1997

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Table of Contents

List of Figures

List of Attachments

Two plans showing

1. Surface geology showing calcrete locations visited and sampled
2. Colour fill map showing arsenic anomalies
3. Colour fill map showing gold anomalies
4. Colour fill map showing calcium values

18.Colour fill map showing copper anomalies

19.Colour fill showing lead anomalies

20.Colour fill map showing zinc anomalies

21.Colour fill map showing nickel anomalies

List of Tables

1. Geo-referenced assay results.

Introduction

A geochemical survey was planned in July and November 1996 and undertaken in August and December of that year. A total of 266 sites were sampled for calcrete and subsequently assayed. This survey was principally regional in nature and sought to cover the entire area as a first pass. Several gold anomalies have been detected and it is recommended that an in fill program be commenced to further delineate these features in order to plan a drilling program.

Location and Environment

Exploration licences EL 2174 and EL 22~~35~~53 lie centered on the township of Kingoonya and is cut by the Kingoonya - Tarcoola road. The exploration licences lie on North Well pastoral lease. Regular liaison was undertaken with the management of North Well pastoral station during the planning and execution of the survey. The assignment was performed smoothly and without incident.

Field Techniques

The reconnaissance program was mainly undertaken along existing roads, and tracks. However in the west cross-country traversing was undertaken. As each calcrete sample was taken, a unique four-digit sample number was assigned. GPS was used for navigation. The GPS parameters were as follows:

Datum	Australian Geodetic Datum
Spheroid	Australian National Spheroid
The 1984 Adopted Coordinate Set	AGD84 (geographical coordinates)
	AMG84 (grid coordinates)

These parameters were chosen to enable a match of the field measurements with the maps published and with those prepared for this survey

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At each sample site visited, the rectangular co-ordinates were booked along with the sample number if a calcrete sample was taken. All calcrete samples were dug with pick and shovel. The material was bagged in calico and then plastic bags. Bundles of plastic bags were then bagged in

larger polyweave bags for transport by road to AMDEL in Adelaide for assaying. Accommodation was at Glendambo.

Assay Results

The calcrete was assayed for the following elements:

Calcium
Gold
Copper
Lead
Zinc
Nickel
Arsenic

The geo-referenced assay results are presented in tabular form on the attached table.

Statistics

Nominal grid spacing	various
Time of survey	August and December 1996
Duration of field work	6 days
Calcrete samples	266
Total sites visited	350

Presentation of Results

The assay results have been collated and integrated with the geographical data and a series of images prepared. These are listed above. The magnetic images are presented at an arbitrary (approximately 1:250 000) scale to enable the plots to fit a standard A4 sheet.

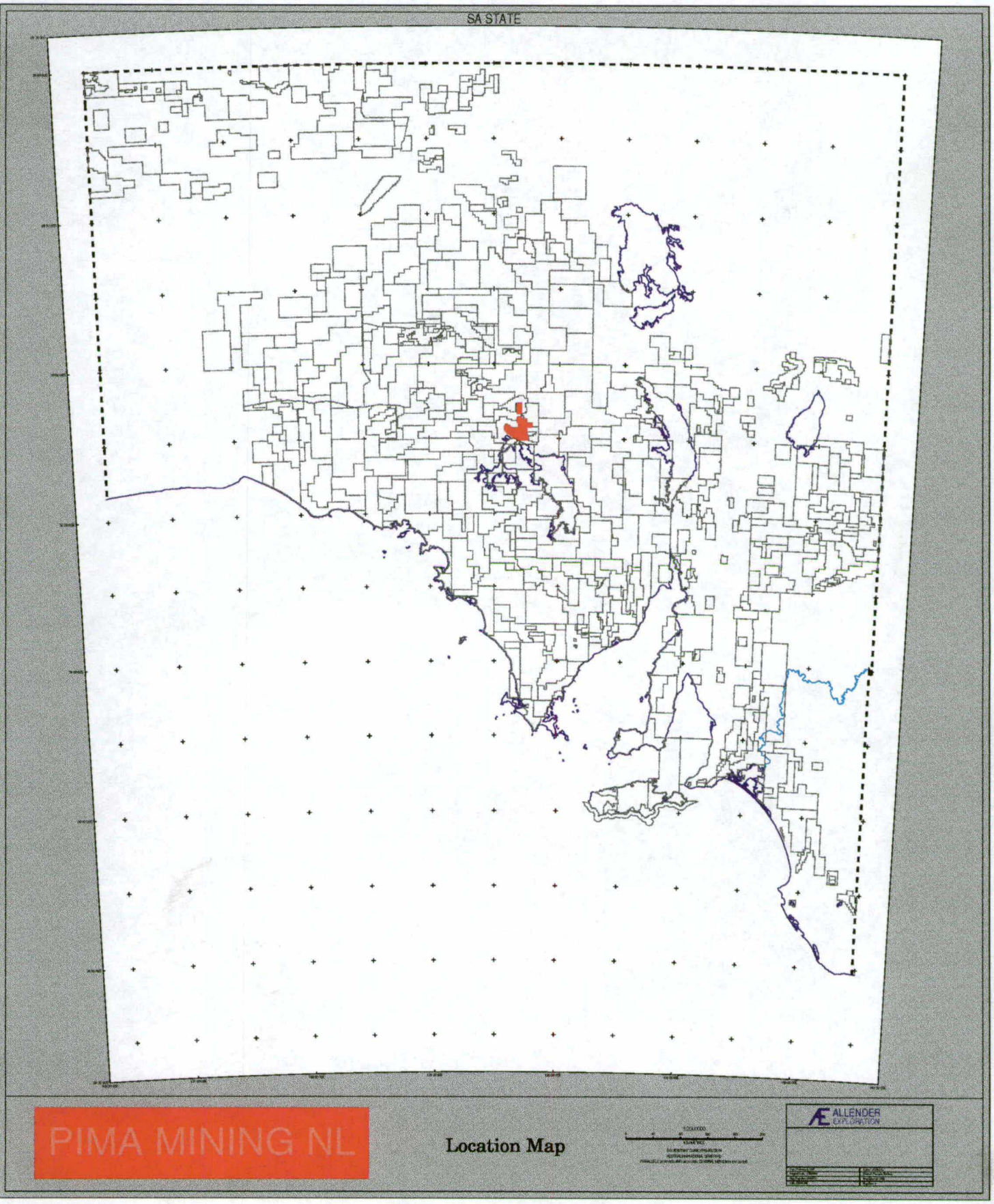
Personnel

August

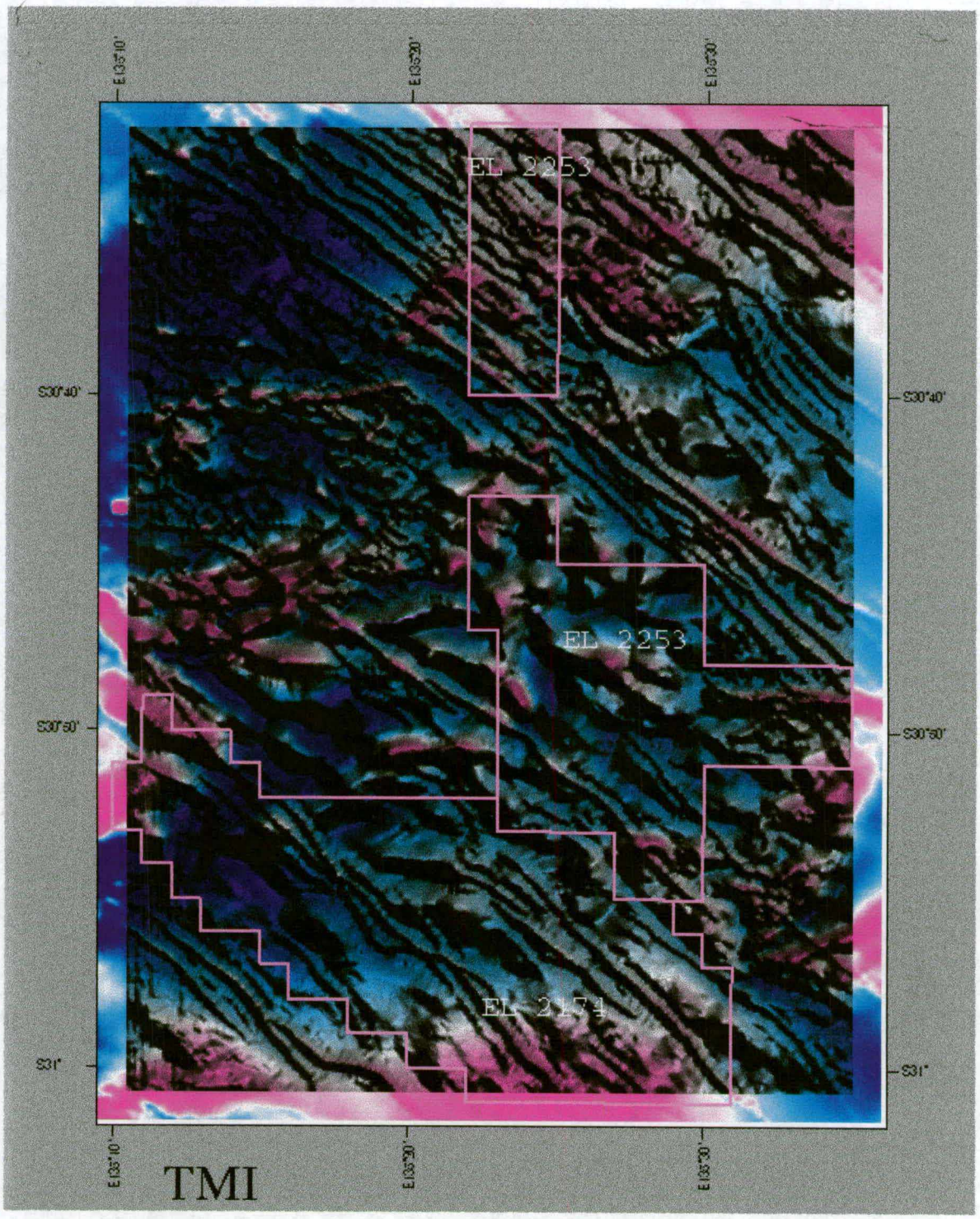
Lindsay Owler	Team Leader	- Geologist
Tim Birt	Geologist	
Jim Allender		

December

Ric Horn	Managing Director	Geologist
Jim Allender		


SA STATE
PIMA MINING NL
Location Map
ALLENDER EXPLORATION

TMI



TMI

As

Au

Ca

EL 2253
EL 2174
S30°40'
S30°50'
S31°
E135°10'
E135°20'
E135°30'
Cu

EL 2251
EL 2253
EL 2174
S30°40'
S30°50'
S31°
E135°10'
E135°20'
E135°30'
Ni

EL 2252
EL 2253
EL 2174
S30°40'
S30°50'
S31°
E135°10'
E135°20'
E135°30'
Pb

Zn

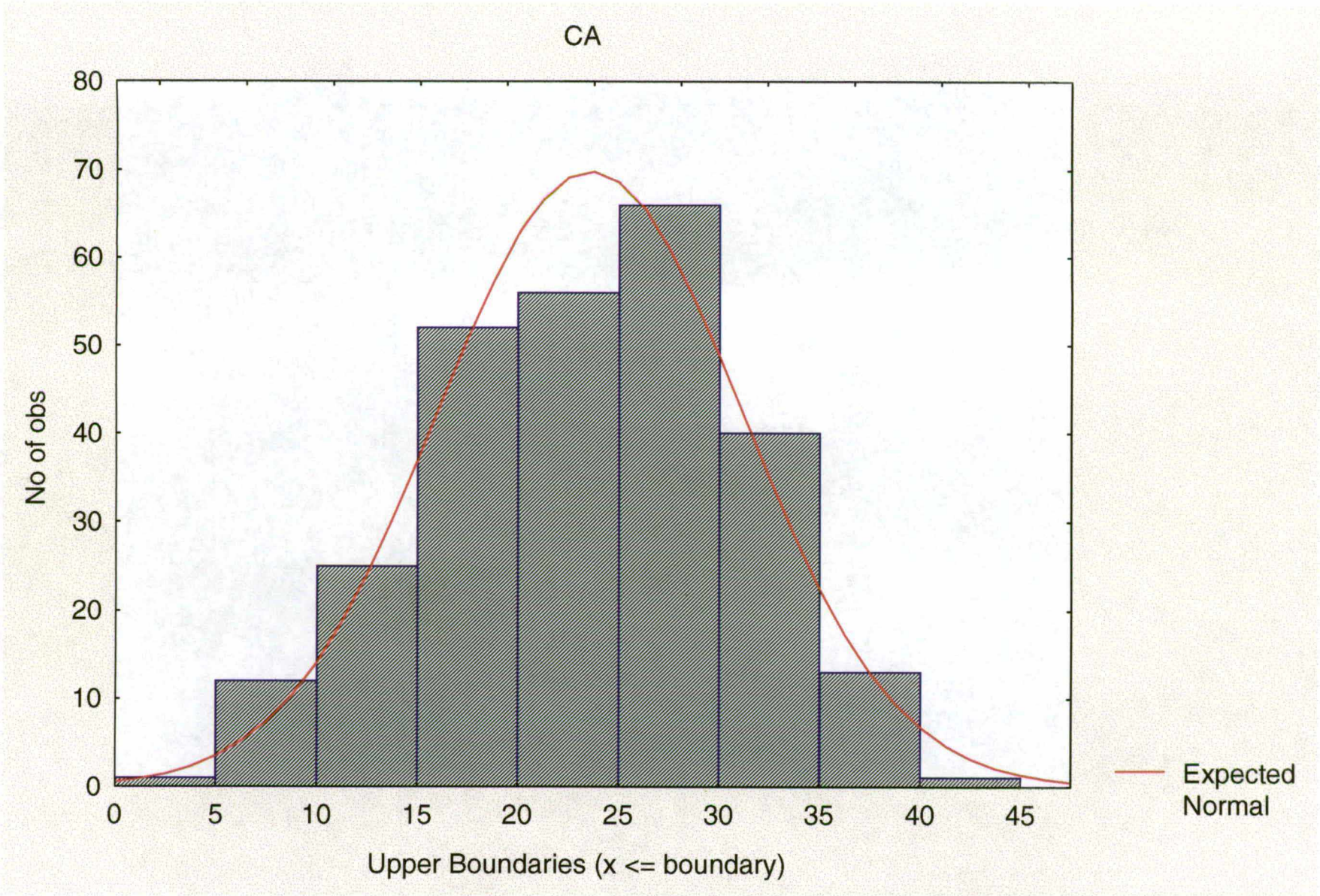
Project	Station	Easting	Northing	Zone	Ca	Au	Cu	Pb	Zn	Ni	As
Kingoonya	13073	530824	6579730	53	24.4	4	9.2	3.1	8.1	4.4	0
Kingoonya	13074	532737	6579520	53	25.2	2	8.1	3.2	9.4	5.2	0
Kingoonya	13075	533412	6579270	53	25.2	4	9.5	3.6	7.6	4.6	0
Kingoonya	13076	534095	6579000	53	23.3	5	11.5	3.1	7.1	6.1	8
Kingoonya	13077	534875	6578670	53	16.1	13	13	4.2	14.1	8	8
Kingoonya	13078	535615	6578420	53	17.3	2	10.3	3.9	9.9	5.4	6
Kingoonya	13079	549317	6572640	53	11.9	3	13.2	4.2	13.7	9	0
Kingoonya	13080	548645	6572920	53	12.8	4	16.8	4.6	14.9	9.9	6
Kingoonya	13081	547236	6573490	53	25.3	3	12.7	3.6	9.9	5.5	0
Kingoonya	13082	546419	6573800	53	19.8	4	16.4	3.7	11.6	7.8	7
Kingoonya	13083	545608	6574140	53	19.3	1	5.7	2.4	4.5	2.7	6
Kingoonya	13084	544716	6574620	53	19.6	0	8	3.7	9	3.9	0
Kingoonya	13085	543515	6575370	53	9.41	1	12.9	3.8	14.1	6.4	6
Kingoonya	13086	542506	6575440	53	0.7654	0	11.7	5.2	19	8.6	0
Kingoonya	13087	539831	6576500	53	8.1	0	8.5	3	8.6	3.6	6
Kingoonya	13088	537555	6577450	53	30.6	0	7.2	3.4	6	2.4	0
Kingoonya	13089	537289	6577580	53	16.8	3	10.9	3.8	10.7	6.7	9
Kingoonya	13090	536559	6577740	53	21.5	5	10.7	3.4	8.4	5.5	7
Kingoonya	13091	536066	6577560	53	15.3	15	12.4	4.1	12.1	8.2	6
Kingoonya	13092	535660	6577350	53	26.4	8	9.4	3.4	7.6	5.3	6
Kingoonya	13093	535430	6578380	53	24.7	0	6.4	3.1	5.2	2.8	0
Kingoonya	13094	534832	6578660	53	13.8	4	11.8	4.5	11.6	6.4	0
Kingoonya	13095	534181	6578960	53	24.9	7	11.5	3.8	7.2	6.1	0
Kingoonya	13096	533221	6578750	53	25	7	13	3.7	9.1	5.7	6
Kingoonya	13097	533387	6578230	53	26.7	3	10.2	3.5	8.5	5.6	0
Kingoonya	13098	533394	6578750	53	26.7	3	10	3.6	7.4	4.8	0
Kingoonya	13099	533362	6579970	53	30.8	4	8.9	3.6	6.9	3.6	0
Kingoonya	13100	533375	6581320	53	24.4	1	8.5	3.8	8.8	3.3	0
Kingoonya	13101	532661	6581140	53	28	2	9.4	3.3	7.4	4.1	6
Kingoonya	13102	532019	6580910	53	22.7	9	9.4	3.7	10	6	5
Kingoonya	13103	546045	6573320	53	27.4	7	15.9	3.3	9.6	6.7	0
Kingoonya	13104	546824	6570820	53	26	2	9.2	4	8	4	0
Kingoonya	13105	546361	6571780	53	18.9	5	20.9	3.4	10.8	7.9	0
Kingoonya	13106	546050	6572520	53	22.4	7	12.2	3.2	7.7	5.6	0
Kingoonya	13107	545307	6572210	53	19.2	6	25.6	3.2	8.3	9.1	0
Kingoonya	13108	544425	6571710	53	17.9	7	19.2	3.3	8.9	8.4	0
Kingoonya	13109	543650	6571350	53	19	7	20.9	3	9.3	10.2	0
Kingoonya	13110	542140	6570630	53	22.4	3	14.8	3.2	10.3	5.8	0
Kingoonya	13111	546921	6572720	53	17.8	4	31.3	2.8	11	9.6	6
Kingoonya	13112	547926	6572900	53	25.5	2	9.3	4.6	6.8	3.3	5
Kingoonya	13113	548696	6573730	53	9.84	1	9.1	5.6	11.1	4.9	0
Kingoonya	13114	549412	6573730	53	13.7	3	11.8	4.8	11.4	6.2	7
Kingoonya	13115	549923	6574260	53	24.6	8	11	3.1	8.1	5.2	8
Kingoonya	13116	531642	6579730	53	24.4	3	8.7	3.8	6.3	3.5	0
Kingoonya	13117	533445	6579260	53	23.3	4	8.9	4	7.8	4.8	8
Kingoonya	13118	534315	6579200	53	26.3	3	9.3	3.1	8	4.9	6
Kingoonya	13119	534856	6578900	53	15.6	10	17.9	4.5	10.8	7.7	5
Kingoonya	13120	535487	6578830	53	23.7	5	14.1	3.5	7.3	6.4	0
Kingoonya	13121	536470	6578540	53	6.63	2	9.8	5.3	6.4	8.3	0
Kingoonya	13122	537157	6578330	53	25.4	1	7.9	3.4	8	4.8	9
Kingoonya	13123	537875	6578300	53	19.4	4	7.4	3.2	6.4	4.4	5
Kingoonya	13124	540342	6578060	53	15.8	1	11.3	3.9	11.8	7	9
Kingoonya	13125	541492	6577960	53	16.3	7	19	3.4	10.5	8.2	8
Kingoonya	13126	542263	6577900	53	11.6	5	16	2.7	6.8	7.2	6
Kingoonya	13127	542948	6577850	53	15.4	4	15.4	3.2	9.7	7	8

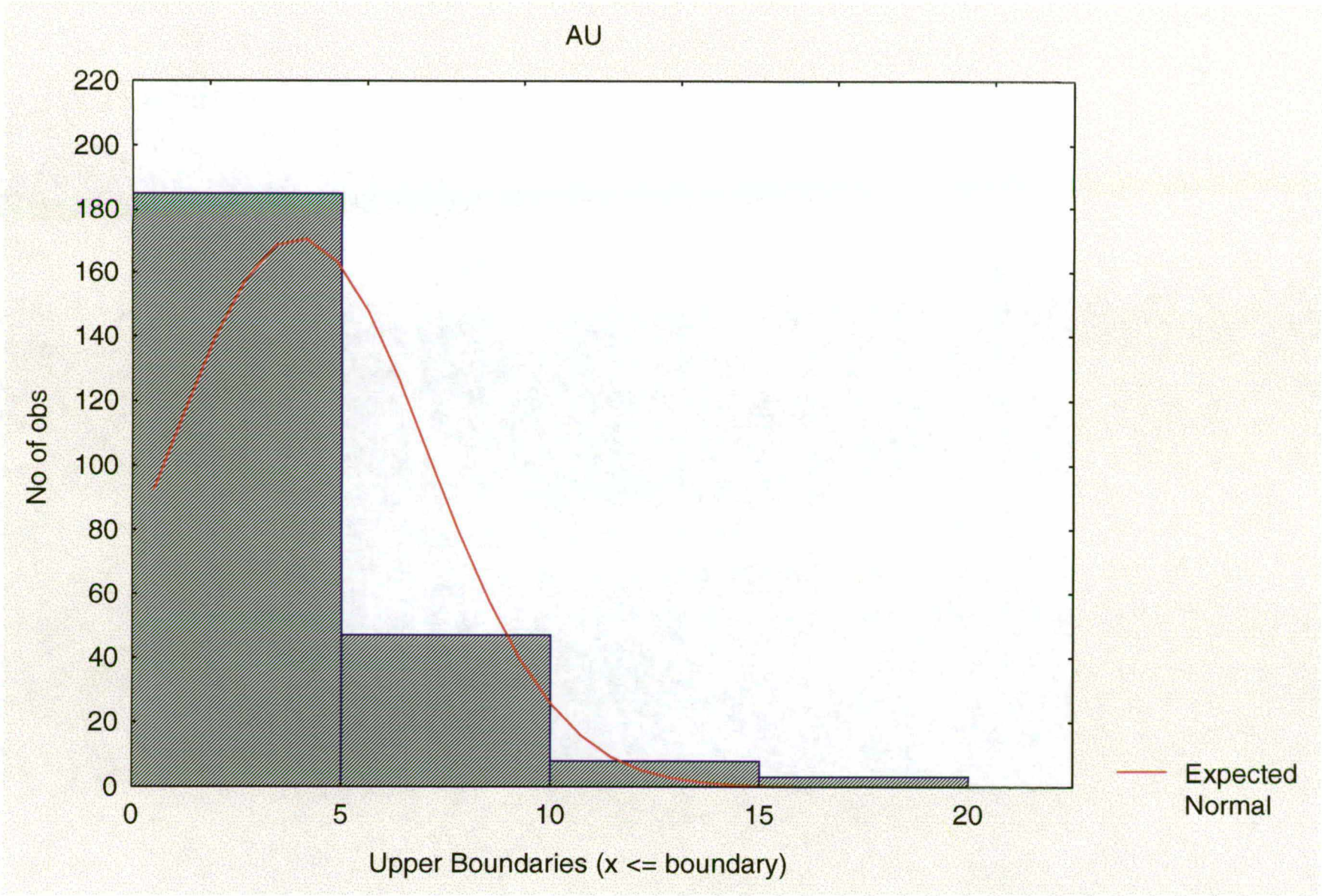
Kingoonya	13128	544850	6577660	53	11.7	4	24.4	5.3	17.1	10.5	0	
Kingoonya	13129	546187	6577390	53	22.9	2	8.8	3.6	7.8	4	0	
Kingoonya	13130	530672	6579600	53	21.2	4	8.2	3.4	6.6	3.9	8	
Kingoonya	13131	531416	6579070	53	19.8	2	8.4	3.6	7.3	3.8	0	
Kingoonya	13132	536364	6569100	53	14.6	2	12.6	4.3	10.7	8.1	5	
Kingoonya	13133	534044	6574380	53	11.8	2	14.7	3.8	11.7	7.7	0	
Kingoonya	13134	533248	6575960	53	7.17	4	11.2	4.4	6.4	7.7	0	
Kingoonya	13135	532971	6577260	53	12.4	5	24.6	3.7	13.1	11.5	0	
Kingoonya	13136	532670	6577760	53	6.54	1	11.7	4.9	15.4	8.5	0	
Kingoonya	13137			53	15	6	12.3	3.2	9.2	7.3	8	
Kingoonya	13138			53	12.9	4	11.4	4.9	10.4	7.6	5	
Kingoonya	13139	527324	6580210	53	20.7	3	14.3	3.8	6.7	7.7	0	
Kingoonya	13140	525540	6578170	53	32.4	2	9.3	3.4	6.7	4.7	0	
Kingoonya	13141	526543	6578830	53	25.5	4	13.3	3.7	5.6	6.1	0	
Kingoonya	13142	527167	6579260	53	28.8	3	11.6	4.5	7.1	5.8	0	
Kingoonya	13143	523339	6576750	53	10.1	3	59.6	7.1	17.8	9.4	0	
Kingoonya	13144	531566	6577460	53	28.8	6	8.3	3.3	5.1	4.1	8	
Kingoonya	13145	530123	6578720	53	30.4	2	9.2	3.8	6.7	4.9	9	
Kingoonya	13146	532893	6585080	53	32.9	3	8.8	3.5	7	4.2	9	
Kingoonya	13147	532073	6584160	53	29.9	3	7	3.1	5.6	3.3	7	
Kingoonya	13148	531730	6583740	53	27.6	4	5	4.1	6.7	4.3	6	
Kingoonya	13149	531113	6582970	53	28.2	2	10	3.8	7.2	4.4	7	
Kingoonya	13150	530501	6582350	53	26.3	2	10.2	3.7	6.9	4.6	6	
Kingoonya	13151	530206	6581510	53	26.5	3	8.4	3.8	6.3	4.5	7	
Kingoonya	13152	533900	6581390	53	26.8	3	7.3	3.6	6.5	4.3	8	
Kingoonya	13153	534795	6581100	53	27.7	4	6.6	3.3	3.3	3.5	0	
Kingoonya	13154	535651	6581090	53	16.2	5	14.2	2.5	3.2	5.6	8	
Kingoonya	13155	537154	6581040	53	5.25	1	5.7	3	2.3	3.6	0	
Kingoonya	13156	538159	6581440	53	29.5	2	7.4	3.4	3.9	2.6	0	
Kingoonya	13157	539822	6581770	53	28	3	7	3.4	4.1	2.8	0	
Kingoonya	13158	541187	6583270	53	30.1	4	12.2	3.6	5.3	5	6	
Kingoonya	13159	541779	6583270	53	26.7	3	8.3	3	4.5	4.4	0	
Kingoonya	13160	532018	6580950	53	15.3	5	12.7	4.4	14.2	9.2	6	
Kingoonya	13161	530836	6580720	53	21.9	3	12.8	4.4	9.5	6.8	0	
Kingoonya	13162	520785	6580880	53	27	2	7.2	3.5	6.7	4.5	0	
Kingoonya	13163	520789	6580430	53	24.9	3	8.2	3.2	5.3	4.5	0	
Kingoonya	13164	520900	6579940	53	27.2	2	7.8	3.3	5.3	4.8	0	
Kingoonya	11001	531027	6579708	53	23.2	3	11.7	3.9	10.9	6.5	0	
Kingoonya	11002	529402	6580132	53	24.3	3	11.4	3.8	10	5.8	0	
Kingoonya	11003	528357	6580351	53	23.6	4	24.1	5.7	5.4	5.4	0	
Kingoonya	11004	527672	6580570	53	30.5	3	13.5	4	8.6	5.4	7	
Kingoonya	11005	526981	6580627	53	18.5	5	20.6	4.5	12.1	7.8	0	
Kingoonya	11006	526313	6580492	53	33.6	3	8.4	3.3	6.3	4.4	0	
Kingoonya	11007	524701	6580975	53	28.3	3	8.2	3.8	7.3	5	0	
Kingoonya	11008	518236	6581852	53	18.2	5	14.4	4.3	14.1	8.5	0	
Kingoonya	11009	517400	6582106	53	30.1	2	8.4	3.5	9.9	4.4	0	
Kingoonya	11010	516877	6582244	53	31.4	4	7.8	3.2	7.2	4.2	0	
Kingoonya	11011	516206	6582493	53	24.7	2	8.7	3.5	9.3	5.4	0	
Kingoonya	11012	517516	6582365	53	23.7	3	8.5	3.2	8	4.8	0	
Kingoonya	11013	518033	6582242	53	26.5	4	10	3.4	8.3	5.5	0	
Kingoonya	11014	518588	6581949	53	21	2	11	3.9	9.9	6.8	0	
Kingoonya	11015	519326	6581942	53	14.3	4	19.6	4.3	13.9	11.5	0	
Kingoonya	11016	519849	6582143	53	20.6	6	16.5	3.4	8.9	8.4	0	
Kingoonya	11017	520670	6581700	53	16.8	2	11.1	3.5	9.8	7.4	7	
Kingoonya	11018	521127	6581802	53	18	2	9.7	3.4	10.8	6.6	0	
Kingoonya	11019	522505	6581740	53	17.3	5	15.4	3.5	10.4	8	6	

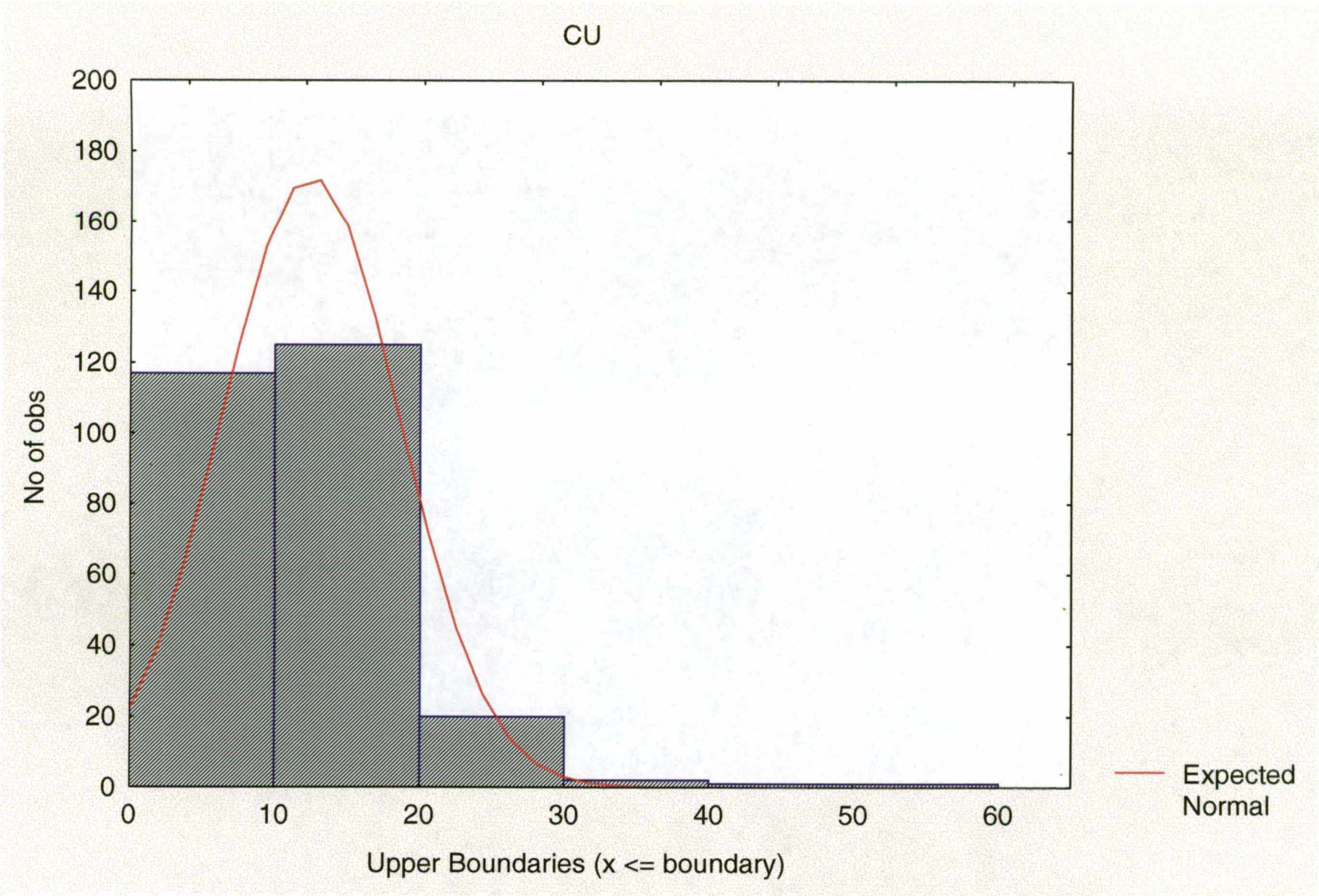
Kingoonya	11020	523082	6581808	53	18.7	9	11.1	2.5	8	7.6	6	
Kingoonya	11021	523704	6581701	53	11.4	5	11.7	3.1	9.6	6.1	0	
Kingoonya	11022	524570	6581435	53	18.1	4	9.9	2.7	9.9	7.5	0	
Kingoonya	11023	525810	6581168	53	26.3	5	8.6	2.8	8.3	7.2	0	
Kingoonya	11024	526271	6580941	53	26.7	4	7.4	2.6	6.9	5.3	0	
Kingoonya	11025	526963	6580893	53								
Kingoonya	11026	527835	6580777	53	25.2	5	18.9	2.7	8.3	7	6	
Kingoonya	11027	530237	6580920	53	25	3	8.6	3	7.5	4.8	0	
Kingoonya	11028	530209	6581723	53	23.5	3	7	3.2	8.3	4.2	0	
Kingoonya	11029	529672	6583243	53	24.9	1	8.3	3.2	7.6	4.2	0	
Kingoonya	11030	529714	6584516	53	29.3	4	9.5	2.8	7.9	4.6	0	
Kingoonya	11031	518918	6582664	53	25.2	5	14.4	2.7	7.7	7.4	0	
Kingoonya	11032	518932	6583317	53	21.2	5	21.5	3.2	11.6	9.7	0	
Kingoonya	11033	518969	6583910	53	28.1	4	9.4	2.8	8.2	5.7	0	
Kingoonya	11034	518974	6584405	53	14	6	19.2	5	16.2	11.5	0	
Kingoonya	11035	519035	6585004	53	15	8	11.9	5.5	10.7	10.5	0	
Kingoonya	11036	519103	6585678	53	23.1	5	9.6	3	6.8	6.2	0	
Kingoonya	11037	519106	6586282	53	14.5	3	14.3	4.3	14.5	10	0	
Kingoonya	11038	519222	6586952	53	26.8	4	10.2	3.4	8.7	6.3	0	
Kingoonya	11039	519239	6587534	53	28.6	7	11.7	3.7	7.6	6.3	7	
Kingoonya	11040	519463	6588267	53	19.3	4	10.9	4.1	8.8	7.8	0	
Kingoonya	11041	519168	6588962	53	7.24	8	28.9	7.1	15.5	20	9	
Kingoonya	11042	519340	6589525	53	22.2	17	19.5	2.6	6.5	8.2	7	
Kingoonya	11043	518762	6589878	53	23.9	17	18.4	3	9.2	7.4	7	
Kingoonya	11044	518696	6590518	53	28.6	9	9.5	3.1	6.9	5.6	0	
Kingoonya	11045	518289	6590472	53	21.2	19	17.1	2.4	4.5	8	9	
Kingoonya	11046	518352	6589942	53	16.1	11	16.3	3	5.2	7.6	5	
Kingoonya	11047	518273	6589296	53	13.7	7	14.8	3.1	5.4	7.4	6	
Kingoonya	11048	518290	6589020	53	16.9	7	12.4	4.2	9.9	8.7	8	
Kingoonya	11049	517815	6589010	53	15.2	10	11.6	4.9	10.2	7.8	0	
Kingoonya	11050	517634	6589463	53	17.4	11	12.9	3.8	6.2	7.1	0	
Kingoonya	11051	517826	6590013	53	19.4	3	8.2	3.7	6.1	6	7	
Kingoonya	11052	517562	6590547	53	13.8	12	14.7	3.5	6.8	10.5	7	
Kingoonya	11053	518468	6588673	53	23.2	11	23.7	3.8	8.6	9	9	
Kingoonya	11054	518177	6588095	53	34.9	4	9.2	3.4	7.2	3.6	8	
Kingoonya	11055	518470	6587299	53	27.9	4	8.8	3.2	6.5	4.6	6	
Kingoonya	11056	518266	6586839	53	23.6	7	9	2.7	5.9	6.2	8	
Kingoonya	11057	518300	6585855	53	32.1	2	7.1	3.3	6.3	4	7	
Kingoonya	11058	518553	6585128	53	28.6	5	6.8	3.4	6.6	4.1	7	
Kingoonya	11059	518448	6584378	53	28.8	5	8.2	3.4	9.3	6.9	8	
Kingoonya	11060	518403	6583455	53	28.8	5	13.3	2.7	9.4	7.1	10	
Kingoonya	11061	518446	6582659	53	24.5	5	9	3.3	8.1	6.3	7	
Kingoonya	11062	517620	6582958	53	25.5	2	8.3	3.6	7.9	6.1	7	
Kingoonya	11063	517541	6583562	53	19.4	3	12.2	4.7	13.1	7.6	0	
Kingoonya	11064	517474	6584306	53	22.5	6	15	3.9	9.1	8	0	
Kingoonya	11065	517445	6584781	53	22.7	3	12.4	4.2	7.8	5.9	0	
Kingoonya	11066	517474	6585359	53	25.8	7	13	3.8	8.9	6.8	0	
Kingoonya	11067	517569	6585778	53	27.9	6	8	2.9	6	4.7	0	
Kingoonya	11068	517551	6586478	53	27.2	2	7.3	3.2	6.6	3.8	0	
Kingoonya	11069	517606	6587753	53	25.9	3	8.1	3.4	6.6	4.1	0	
Kingoonya	11070	517655	6588449	53	26.1	5	9.9	3.3	5.8	4.7	0	
Kingoonya	11071	517085	6587953	53	17.8	5	15.1	4.1	10	8.8	0	
Kingoonya	11072	516730	6587006	53	22.4	12	17.9	4.2	9.7	10	0	
Kingoonya	11073	516800	6586411	53	24.6	7	11.9	3.7	7.1	6.2	0	
Kingoonya	11074	516548	6585191	53	31.4	4	8.6	3.3	7.6	5	0	
Kingoonya	11075	516253	6585040	53	19.1	5	10.8	5.1	13.3	8.1	0	

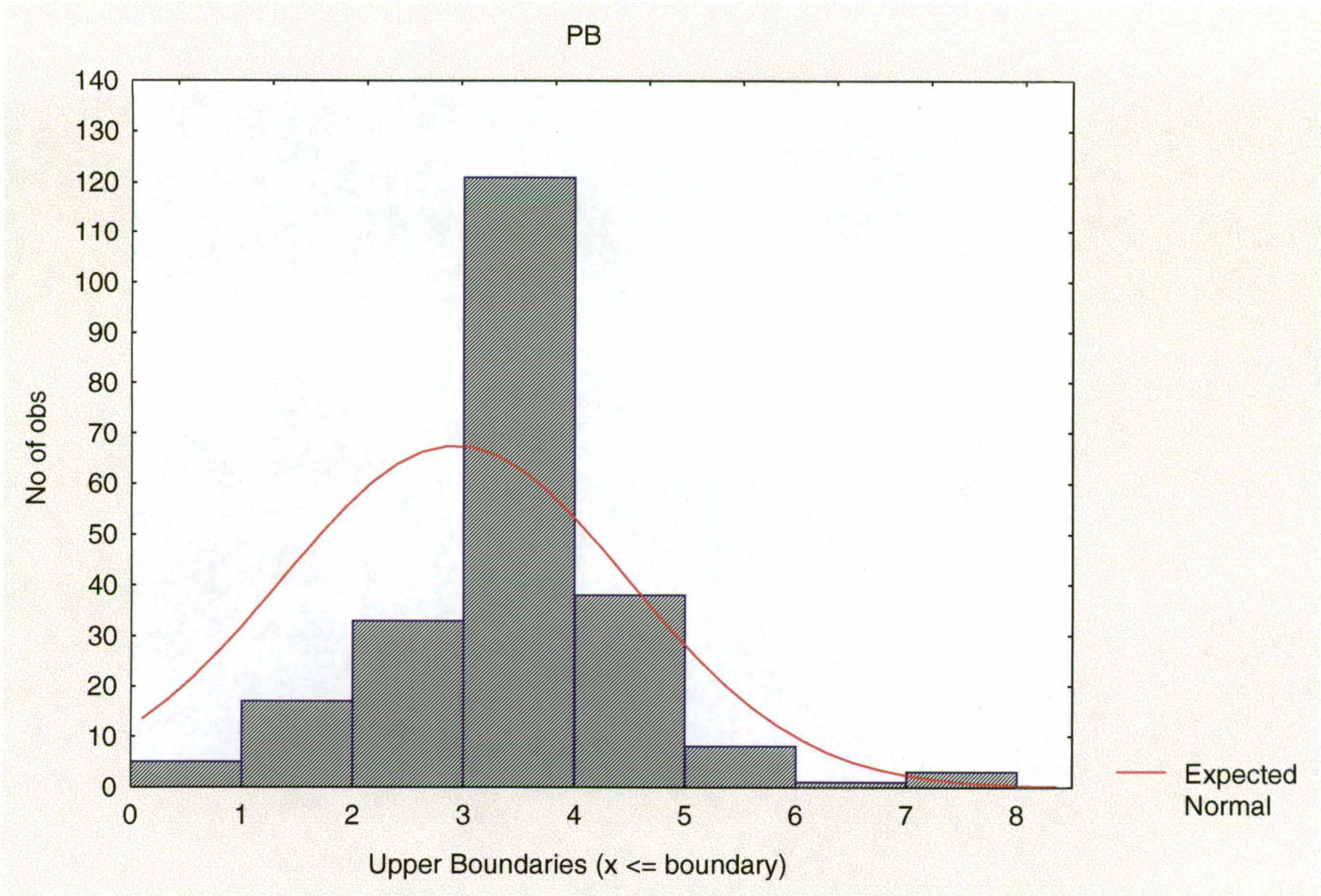
Kingoonya	11076	516014	6585927	53	27.7	8	12	3.2	7.5	7.8	0	
Kingoonya	11077	516125	6586562	53	18.6	7	11.6	3.3	7.3	6.9	0	
Kingoonya	11078	516173	6587044	53	21.7	8	17.8	3.3	7.8	7.6	0	
Kingoonya	11079	520855	6588354	53	15.8	9	16.5	3.7	7.6	7	0	
Kingoonya	11080	520869	6588018	53	25.3	6	9.5	3.5	6.6	6.1	0	
Kingoonya	11081	520993	6587405	53	26.1	3	11	4.2	9	5.2	5	
Kingoonya	11082	520965	6586829	53	32.4	6	10.5	3.6	6.8	5.3	0	
Kingoonya	11083	520900	6586241	53	23.1	3	10.2	4.2	7.3	5.3	0	
Kingoonya	11084	520700	6585656	53	28.8	2	7.6	3.1	7.3	5.8	7	
Kingoonya	11085	520697	6584906	53	21.1	6	8.5	4.2	9	6.7	0	
Kingoonya	11086	522390	6582367	53	17.6	1	8.4	5.6	7.9	5.3	0	
Kingoonya	11087	522382	6585605	53	29.2	8	9	3.8	7	5.9	0	
Kingoonya	11088	522334	6586347	53	23.9	6	10.9	4.1	8.4	7	0	
Kingoonya	11089	522356	6587417	53	22.6	9	11.9	3.9	7.8	7.8	0	
Kingoonya	11090	523000	6588923	53	14.2	13	16.3	3.3	4.6	5.2	9	
Kingoonya	11091	523795	6580480	53								
Kingoonya	11092	523828	6579264	53	17.3	2	13	3.2	14	8.3	0	
Kingoonya	11093	523924	6576830	53	14.7	5	16.6	2.2	6.5	8.7	7	
Kingoonya	11094	525358	6576400	53	19.3	2	21.7	2.7	10.8	8.7	8	
Kingoonya	11095	526861	6576782	53	18.9	3	14.7	2.1	7.5	6.8	9	
Kingoonya	11096	527201	6578846	53	25.8	2	7.6	1.4	5.6	3.9	6	
Kingoonya	11097	526586	6578859	53	23	9	16.2	2.2	7.8	7.9	7	
Kingoonya	11098	525977	6577632	53	26.6	5	10.6	1.9	5.2	5.3	0	
Kingoonya	11099	525115	6576847	53	21.5	2	10.8	2.2	9.7	5.9	6	
Kingoonya	11100	522434	6578168	53	18.7	5	8.8	3.6	4.1	5	13	
Kingoonya	11101	522326	6579979	53	18.3	5	16.4	3.6	8.4	8.3	7	
Kingoonya	11102	522373	6580498	53	17.5	7	22.9	4.2	8.9	8.9	0	
Kingoonya	11103	522380	6580535	53	27.1	5	8.9	3	7.2	7	9	
Kingoonya	11104	522341	6581089	53	22.6	3	11.1	3.6	7.3	7.7	8	
Sausage	13751	542942	6592101	53	34.4	2	8.7	1.9	8.7	5.8	0	
Sausage	13752	541585	6592102	53	34.0	1	10.6	2.1	9.5	7.4	0	
Sausage	13753	539717	6592115	53	35.0	2	13.0	1.0	9.0	7.0	0	easting ?
Sausage	13754	538604	6592108	53	21.5	6	27.2	3.3	14.1	12.0	0	
Sausage	13755	537941	6591437	53	19.1	3	16.1	1.9	10.4	9.5	10	
Sausage	13756	537266	6588390	53	34.1	3	7.0	0.0	6.0	5.0	10	
Sausage	13757	537952	6584760	53	29.7	3	9.9	0.0	6.6	7.7	12	
Sausage	13758	540203	6583745	53	31.9	2	7.4	1.1	6.4	6.4	0	
Sausage	13759	541154	6583531	53	32.5	1	16.5	1.1	7.7	7.7	19	
Sausage	13760	541966	6583517	53	18.2	4	6.4	1.8	4.6	6.4	16	
Sausage	13761	542932	6582657	53	36.1	1	6.7	0.0	6.7	4.8	16	
Sausage	13762	542890	6581715	53	29.3	2	22.9	0.0	10.9	10.9	20	
Sausage	13763	542857	6580733	53	32.0	2	21.1	1.1	8.9	11.1	20	
Kingoonya	13764	518546	6590010	53	17.1	4	18.3	0.9	6.4	11.0	13	
Kingoonya	13765	518628	6590561	53	17.9	1	17.4	4.3	13.0	13.0	15	
Kingoonya	13766	518551	6591070	53	8.7	2	23.0	7.7	24.1	14.2	20	
Kingoonya	13767	518524	6591534	53	12.5	3	42.6	4.4	20.7	17.5	17	
Kingoonya	13768	518621	6592034	53	15.3	4	37.2	3.2	17.0	12.8	18	
Kingoonya	13769	518992	6591858	53	12.6	9	23.2	4.4	19.9	15.4	17	
Kingoonya	13770	519015	6591317	53	17.8	2	25.7	2.0	14.8	10.9	14	
Kingoonya	13771	518972	6591850	53	6.3	0	7.5	6.5	1.9	6.5	13	
Kingoonya	13772	519030	6590295	53	8.5	2	21.6	4.3	5.4	11.9	15	
Sausage	13801	536441	6607108	53	29.9	1	10.2	0.0	8.2	5.1	10	
Sausage	13802	537788	6608672	53	31.4	3	10.5	1.0	8.4	6.3	10	
Sausage	13803	538557	6608634	53	33.9	4	10.7	0.0	7.8	6.8	0	
Sausage	13804	539105	6609105	53	29.7	1	9.4	0.0	8.4	6.3	0	
Sausage	13805	538225	6610559	53	32.2	4	17.8	0.0	8.4	9.4	0	

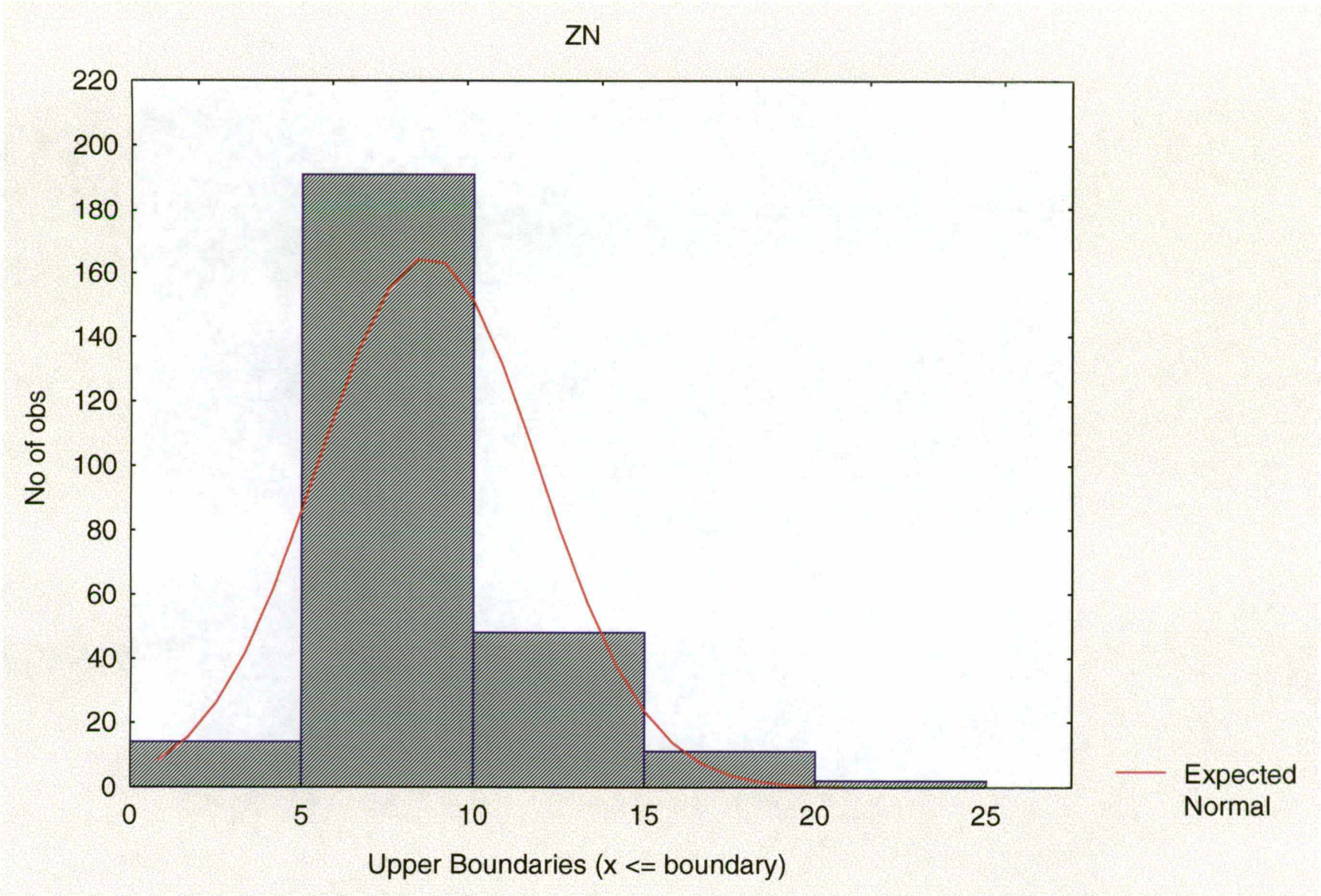
Sausage	13806	537464	6612058	53	31.5	3	10.0	0.0	8.0	6.0	0	
Sausage	13807	537474	6613375	53	17.5	9	6.0	2.0	8.0	7.0	0	
Sausage	13808	536809	6614405	53	23.2	5	14.8	1.1	14.8	8.5	0	
Sausage	13809	536430	6615508	53	27.3	1	12.8	0.0	9.6	6.4	0	
Sausage	13810	536020	6617906	53	23.8	1	10.3	0.0	9.3	5.2	0	
Sausage	13811	537518	6617610	53	38.3	0	9.3	0.0	8.3	6.5	0	
Sausage	13812	540005	6616880	53	26.8	3	19.3	0.0	11.2	11.2	0	
Sausage	13813	537970	6611065	53	29.0	3	19.3	0.0	9.6	14.5	0	
Kingoonya	13814	534919	6578951	53	12.1	4	17.6	2.2	16.5	9.9	5	
Kingoonya	13815	534689	6578989	53	13.5	6	19.3	4.3	16.1	14.0	0	
Kingoonya	13816	535156	6578886	53	22.5	7	17.6	0.0	10.2	9.2	0	
Kingoonya	13817	534961	6578641	53	24.9	3	20.9	3.1	14.6	9.4	0	
Kingoonya	13818	534789	6578793	53	23.5	6	16.5	0.0	15.4	11.0	0	
Kingoonya	13819	534537	6578918	53	35.4	2	11.0	0.0	12.0	7.0	0	
Kingoonya	13820	536022	6578204	53	33.2	1	10.7	0.0	6.4	8.6	0	
Kingoonya	13821	536022	6578204	53	35.6	4	8.9	0.0	10.9	6.9	0	
Sausage	13822	541107	6582870	53	29.3	1	17.1	0.0	7.0	11.0	5	
Sausage	13823	541957	6583458	53	37.0	4	10.1	0.0	5.5	6.4	6	
Sausage	13824	543710	6585226	53	33.9	0	9.1	0.0	6.1	6.1	6	
Sausage	13825	545059	6586475	53	25.0	0	13.3	0.0	12.3	9.2	5	
Sausage	13826	545862	6586872	53	33.7	0	9.1	0.0	7.1	6.1	0	
Sausage	13827	546778	6587341	53	28.9	2	7.6	0.0	5.4	6.5	0	
Sausage	13828	547495	6587505	53	35.2	0	7.7	0.0	6.7	5.7	0	
Sausage	13829	548709	6587403	53	32.5	0	6.5	0.0	5.6	5.6	0	
Sausage	13830	549856	6587695	53	36.3	1	7.3	0.0	4.1	5.2	6	
Sausage	13831	551099	6587504	53	34.2	0	6.4	0.0	5.3	4.2	8	
Sausage	13832	552208	6587584	53	37.8	1	8.3	0.0	8.3	7.3	0	
Sausage	13833	553651	6587727	53	8.2	0	9.9	1.0	5.0	8.0	0	
Sausage	13834	554546	6588860	53	37.3	1	6.7	0.0	5.8	5.8	6	
Sausage	13835	554932	6589715	53	32.3	1	16.5	0.0	6.6	8.8	0	
Sausage	13836	555545	6590746	53	32.0	0	7.4	0.0	7.4	6.4	0	
Sausage	13837	556075	6591776	53	34.3	1	6.1	0.0	6.1	7.2	0	
Sausage	13838	556602	6592613	53	29.9	0	7.2	0.0	7.2	6.2	0	
Sausage	13839	554837	6587269	53	32.4	3	6.3	0.0	5.3	4.2	0	
Sausage	13840	553901	6588224	53	35.9	3	5.9	0.0	5.9	4.9	0	
Sausage	13841	552765	6588333	53	33.8	1	16.6	0.0	7.3	10.4	0	
Sausage	13842	552060	6590167	53	35.7	0	7.7	1.0	6.7	5.7	6	
Sausage	13843	551822	6591310	53	31.3	2	12.8	1.1	9.6	9.6	5	
Sausage	13844	551917	6592732	53	38.3	1	8.5	1.1	7.4	6.4	6	
Sausage	13845	548678	6588032	53	37.2	0	7.4	1.1	5.3	6.3	0	
Sausage	13846	547418	6589120	53	34.7	0	10.4	0.0	7.3	7.3	0	
Sausage	13847	546988	6590061	53	34.9	0	6.6	0.0	7.7	6.6	0	
Sausage	13848	545470	6590913	53	40.1	0	7.5	1.1	10.8	7.5	9	
Sausage	13849	544232	6591026	53	32.6	0	7.6	1.1	5.4	6.5	9	
Sausage	13850	543271	6590943	53	33.0	0	7.4	1.8	6.5	4.6	6	

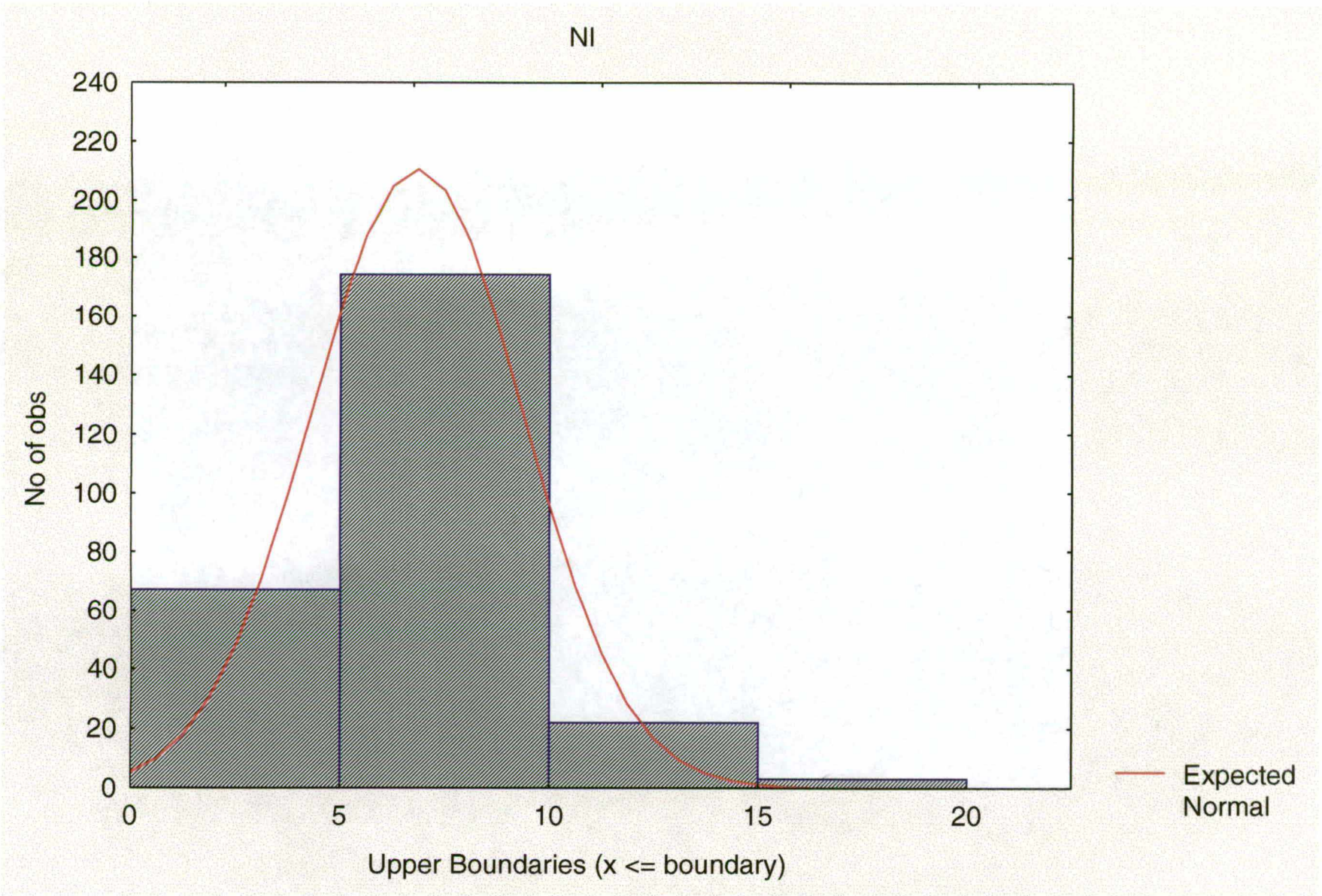

CA
No of obs
80
70
60
50
40
30
20
10
0
0
5
10
15
20
25
30
35
40
45
Upper Boundaries (x <= boundary)
Expected
Normal

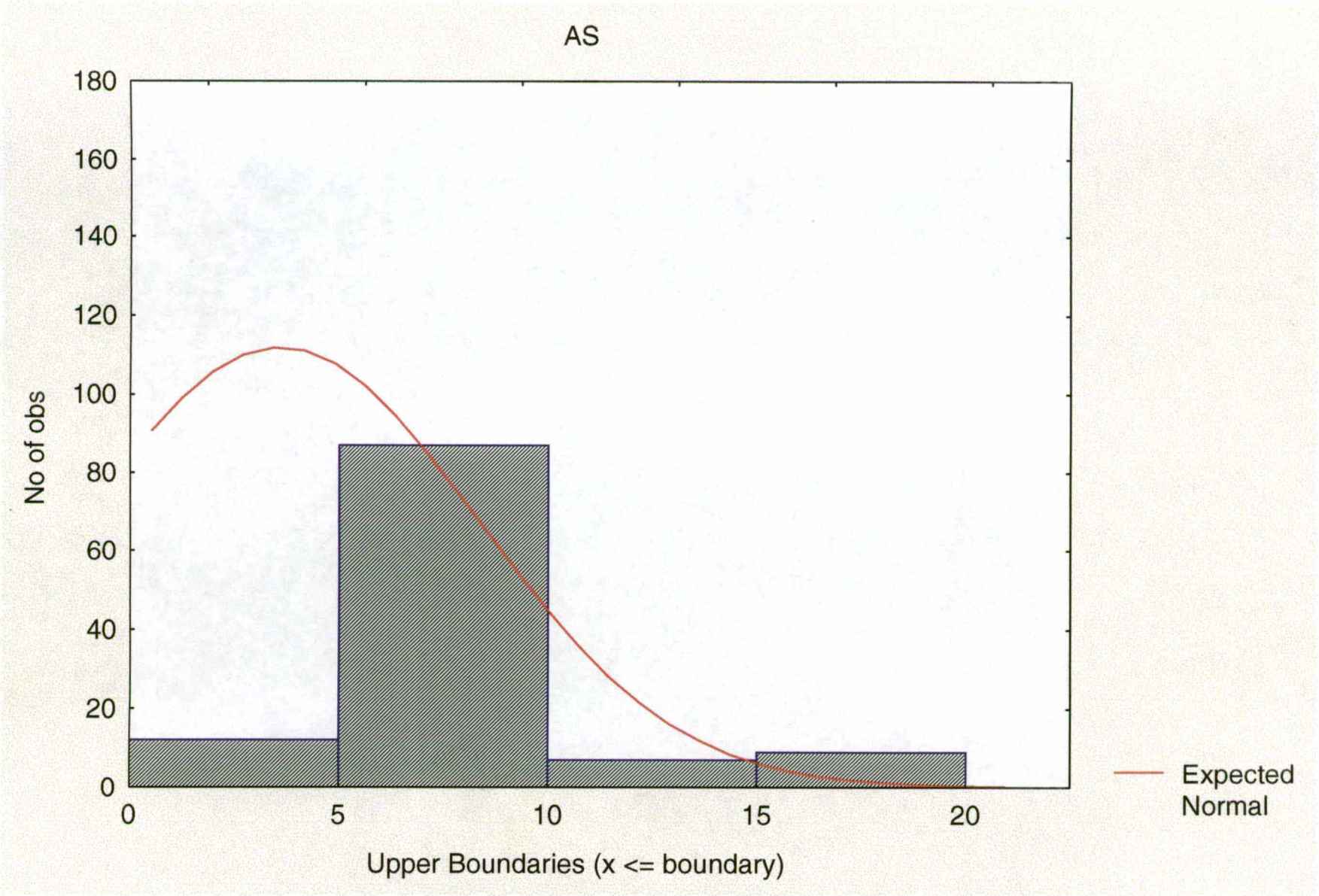

AU
No of obs
220
200
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
Upper Boundaries (x <= boundary)
Expected
Normal

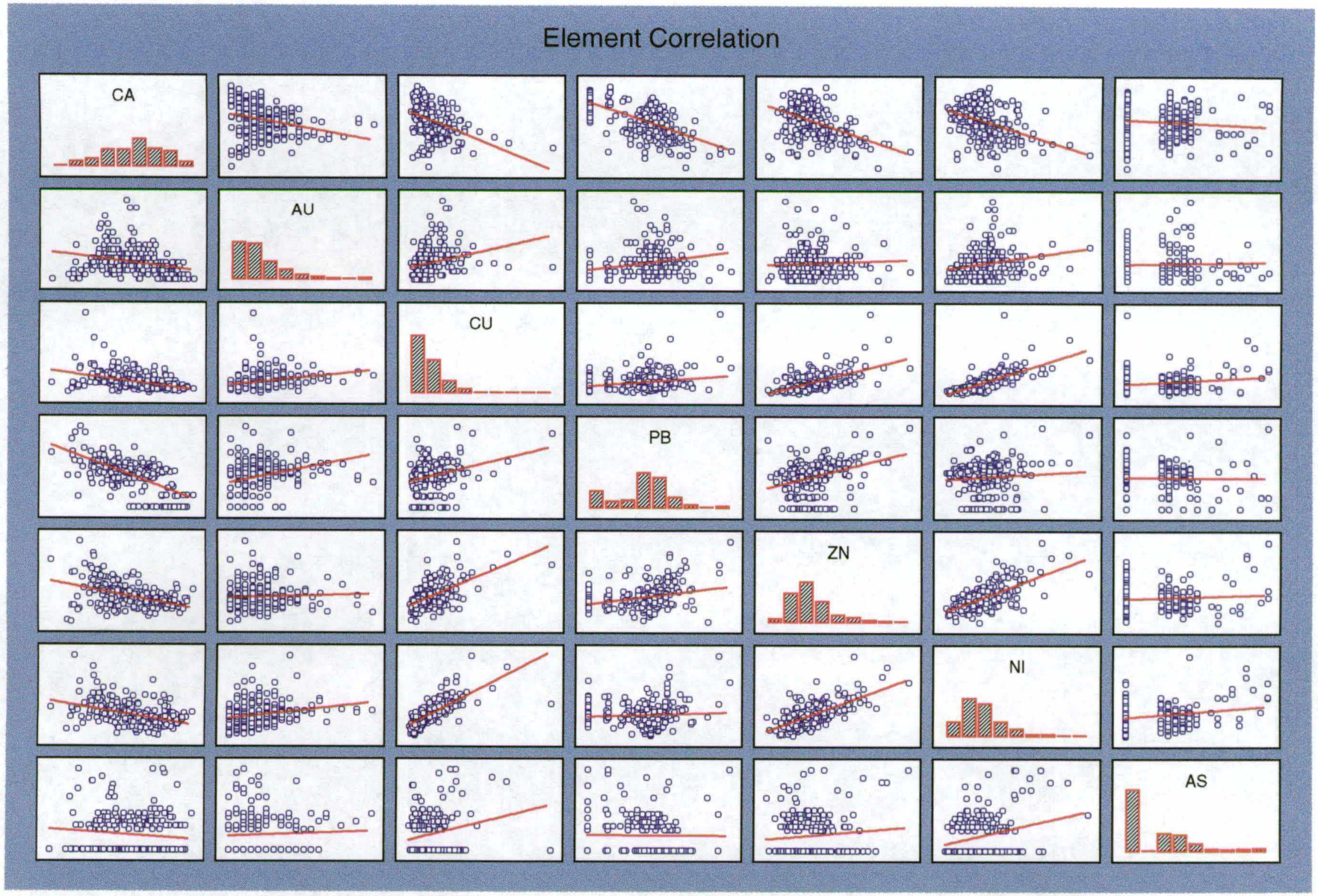

CU
200
180
160
140
120
100
80
60
40
20
0
No of obs
0
10
20
30
40
50
60
Upper Boundaries (x <= boundary)
Expected
Normal

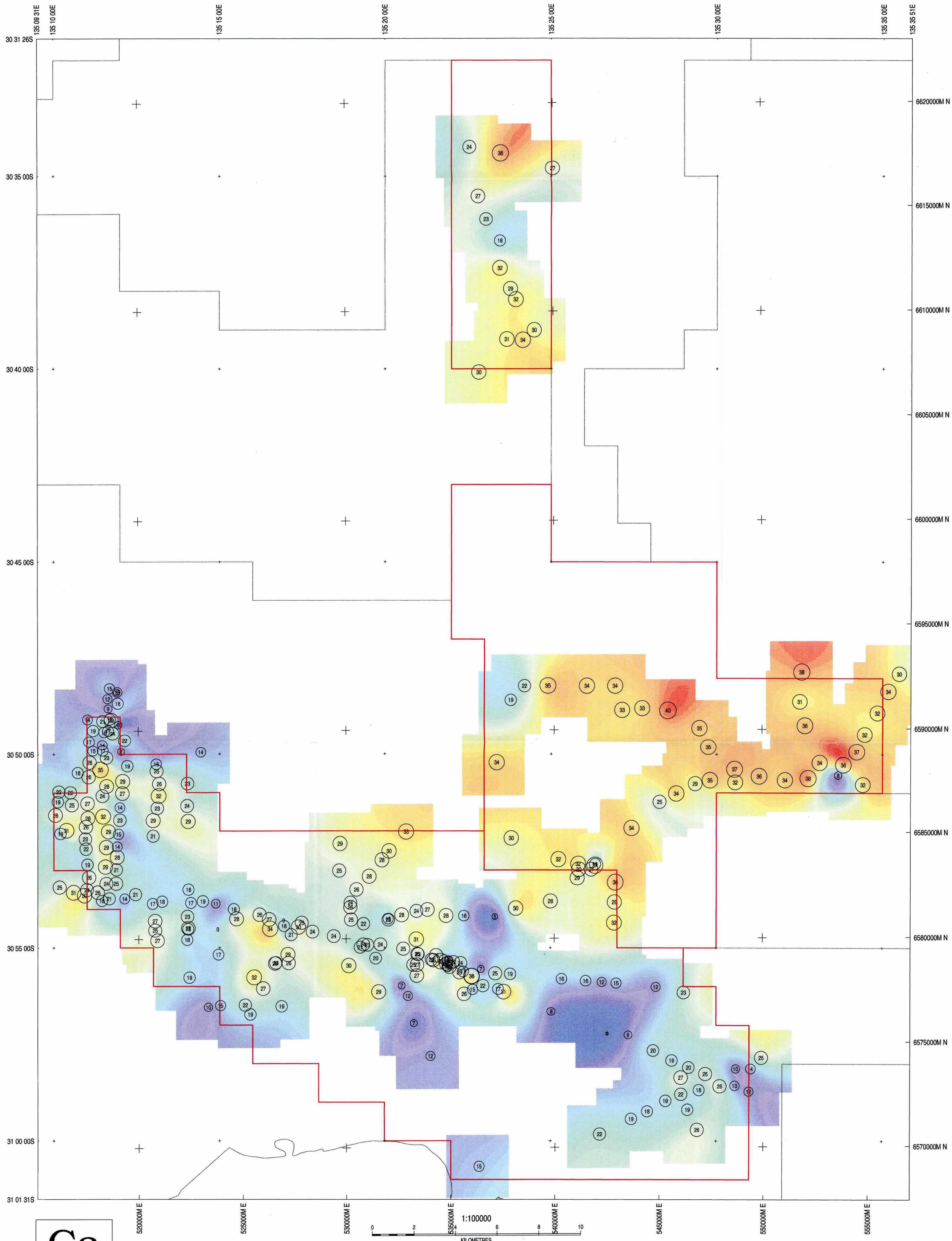

PB
No of obs
140
130
120
110
100
90
80
70
60
50
40
30
20
10
0
0
1
2
3
4
5
6
7
8
Upper Boundaries (x <= boundary)
Expected Normal


ZN
No of obs
220
200
180
160
140
120
100
80
60
40
20
0
0
5
10
15
20
25
Upper Boundaries (x <= boundary)
Expected
Normal


NI
240
220
200
180
160
140
120
100
80
60
40
20
0
No of obs
0
5
10
15
20
Upper Boundaries (x <= boundary)
Expected
Normal


AS
180
160
140
120
100
80
60
40
20
0
No of obs
0
5
10
15
20
Upper Boundaries (x <= boundary)
Expected
Normal

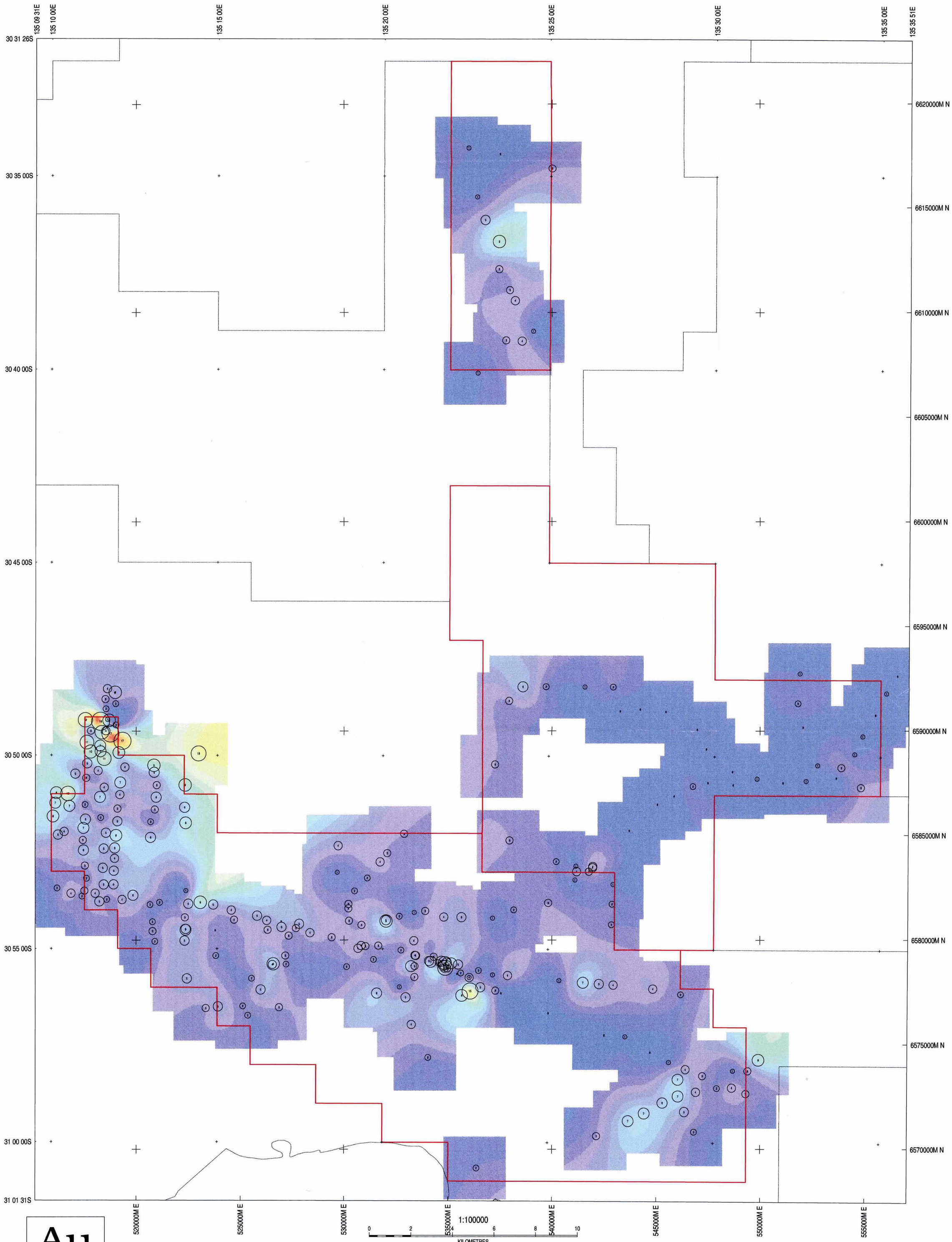

Element Correlation
CA
AU
CU
PB
ZN
NI
AS



Ca

KINGOONYA - SAUSAGE
PIMA-MINOTAUR JV

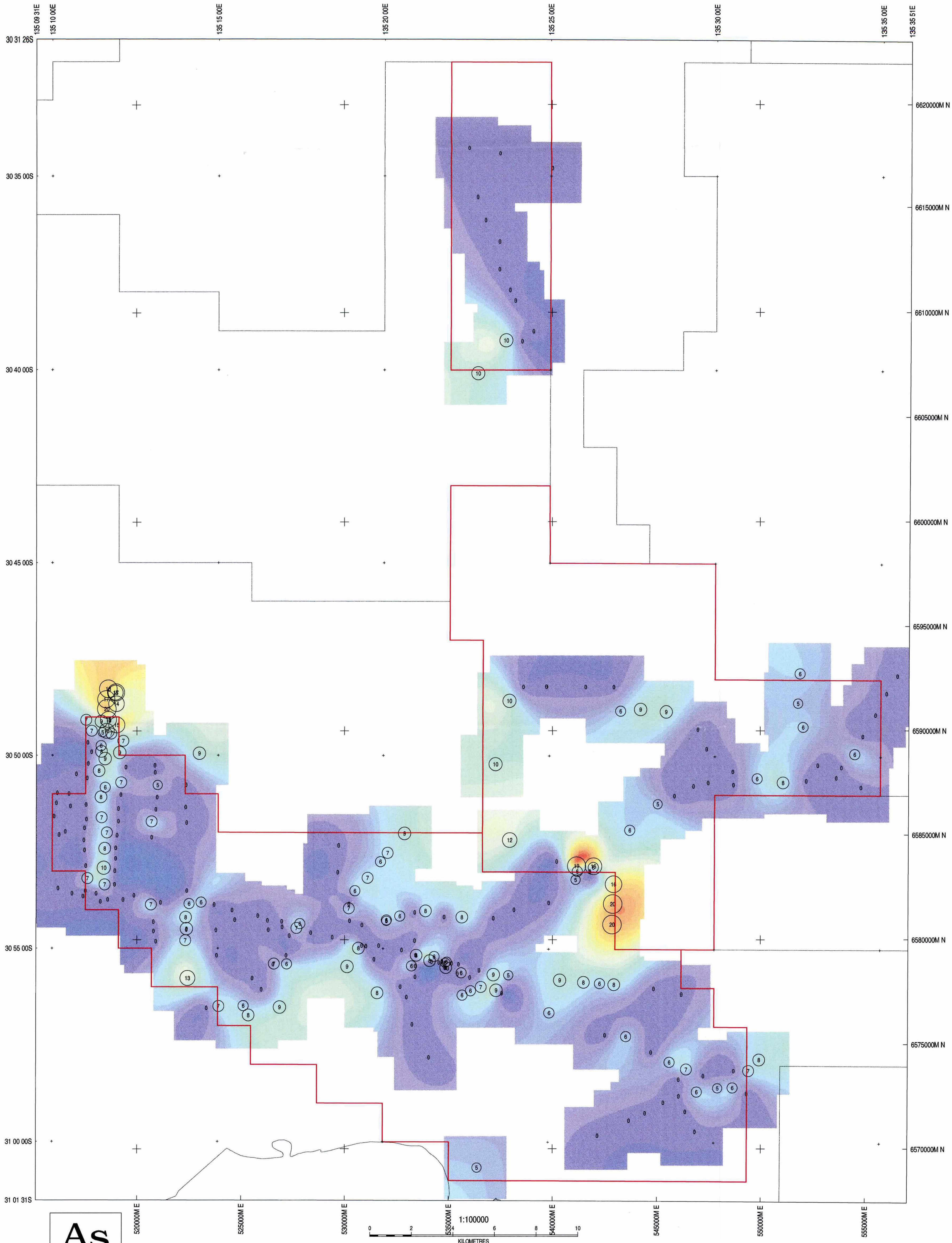
Calcrete Geochemical Survey - 1996 Results



Au

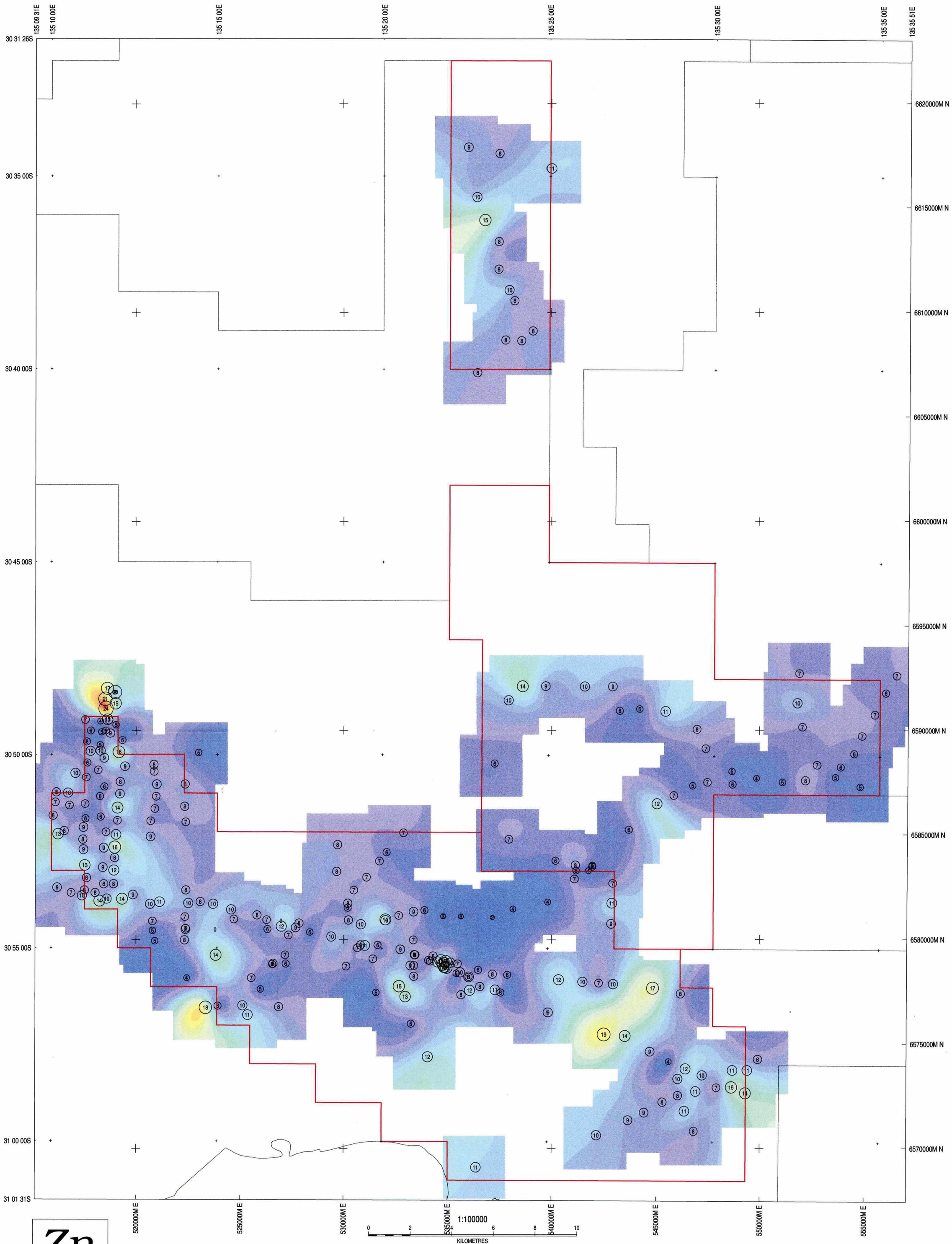
KINGOONYA - SAUSAGE
PIMA-MINOTAUR JV

Calcrete Geochemical Survey - 1996 Results



KINGOONYA - SAUSAGE
PIMA-MINOTAUR JV

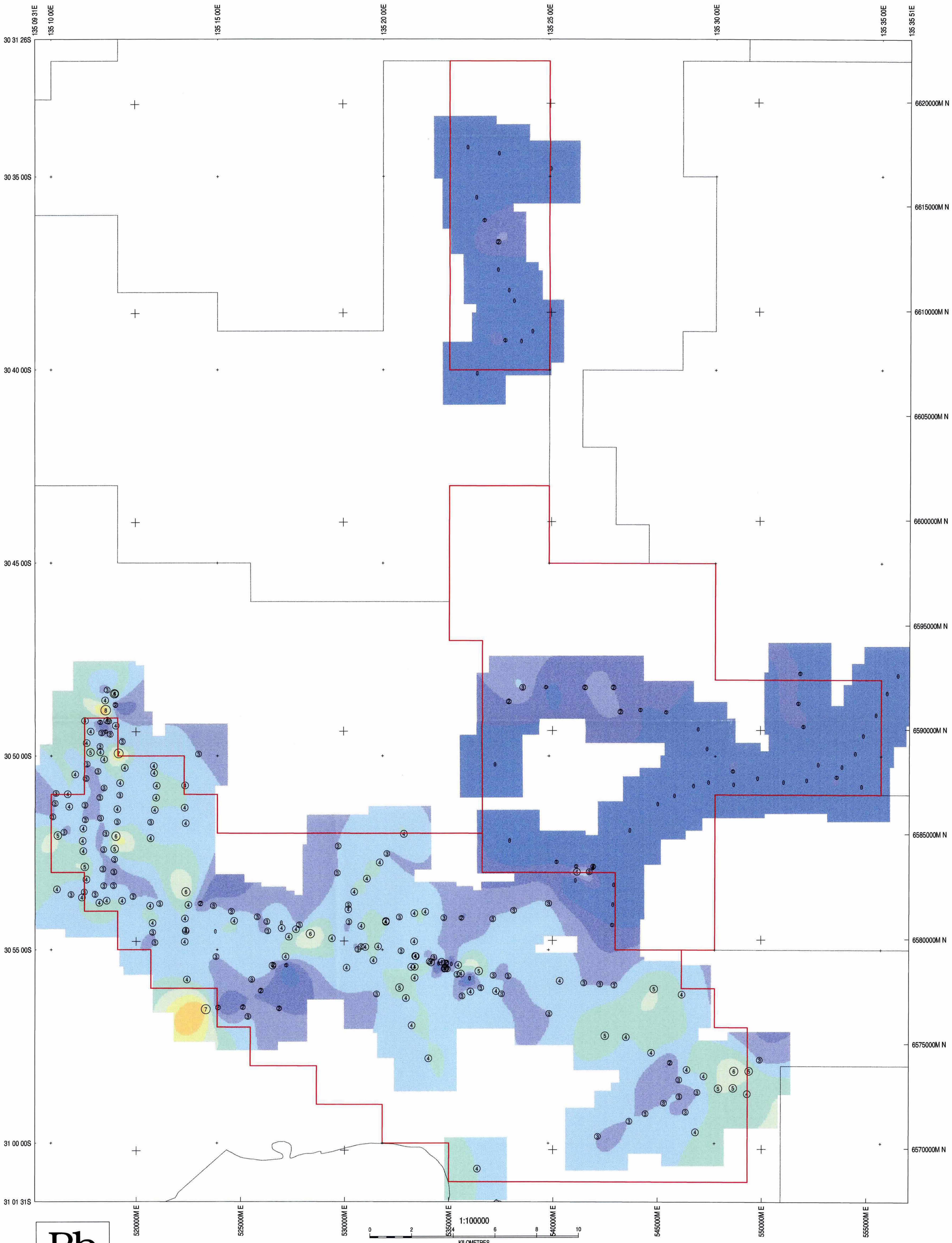
Calcrete Geochemical Survey - 1996 Results



Zn

KINGOONYA - SAUSAGE
PIMA-MINOTAUR JV

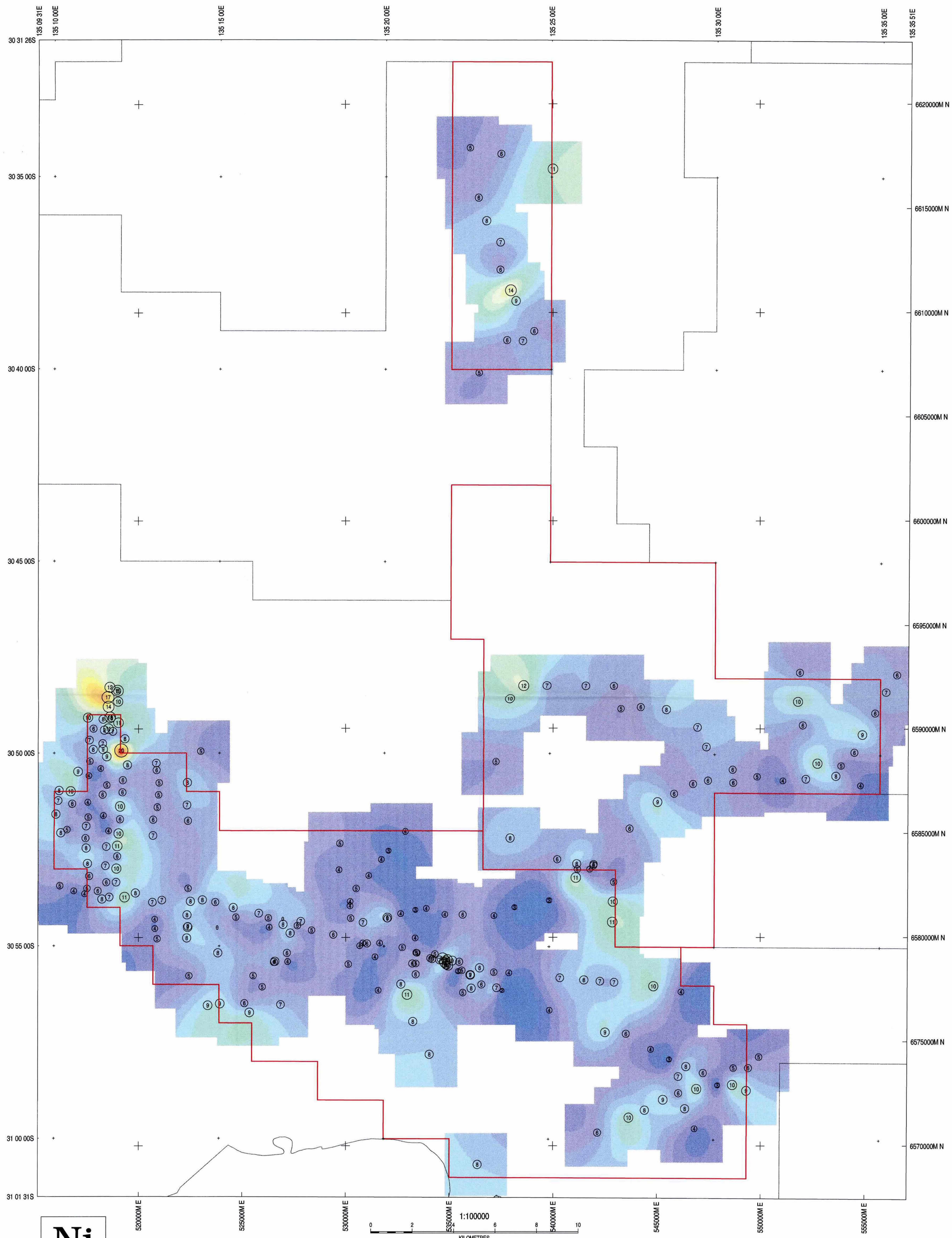
Calcrete Geochemical Survey - 1996 Results



Pb

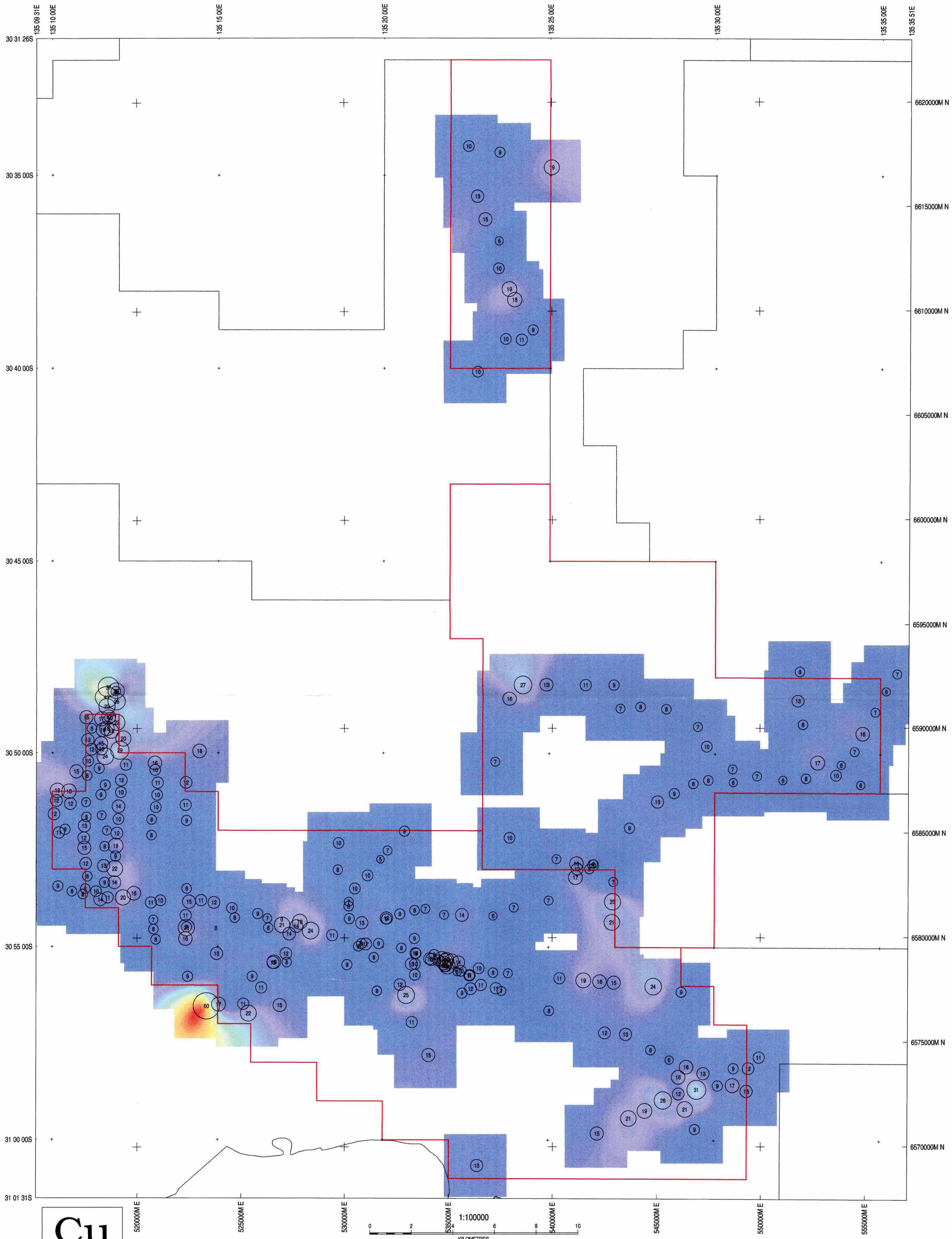
KINGOONYA - SAUSAGE
PIMA-MINOTAUR JV

Calcrete Geochemical Survey - 1996 Results



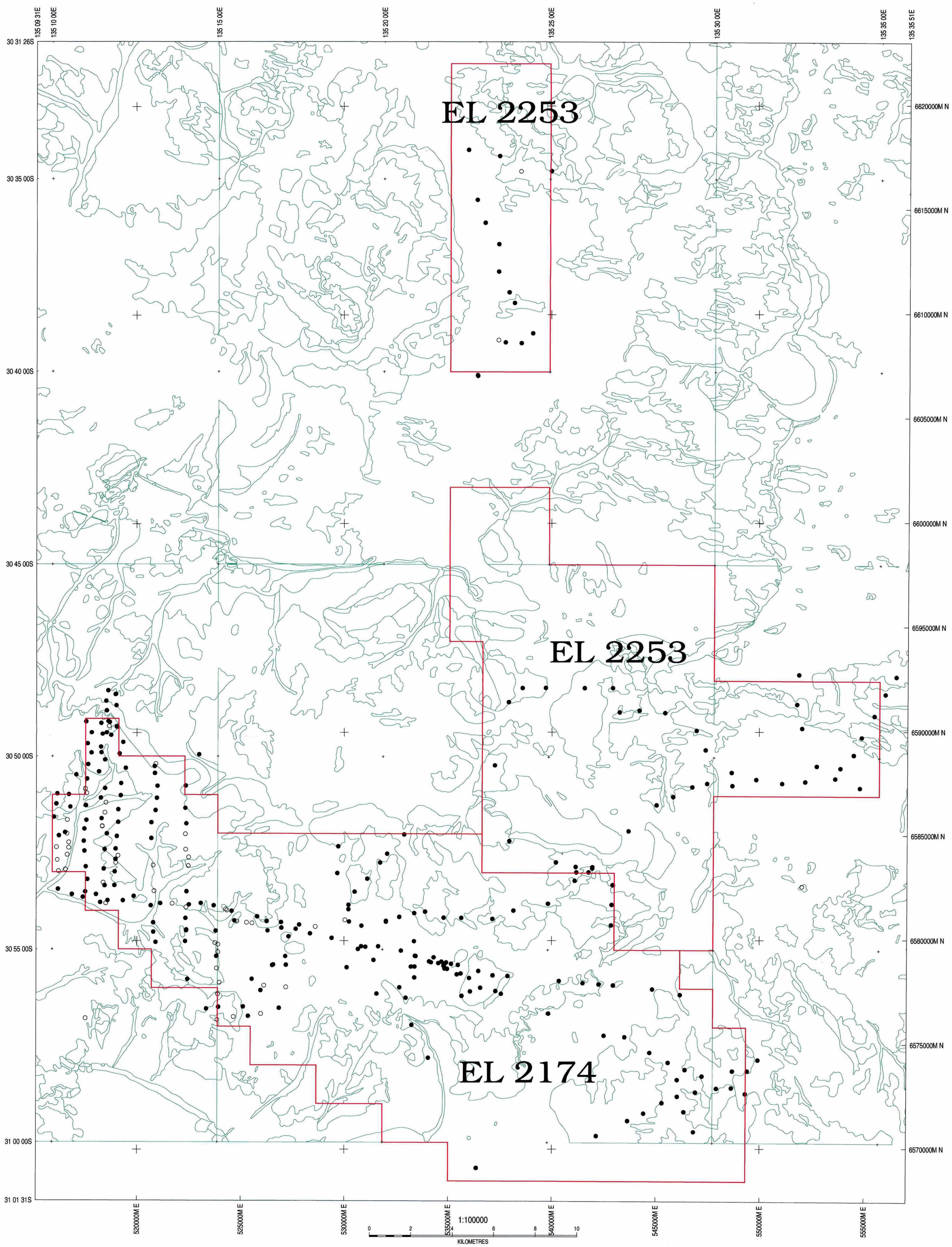
KINGOONYA - SAUSAGE
PIMA-MINOTAUR JV

Calcrete Geochemical Survey - 1996 Results



KINGOONYA - SAUSAGE
PIMA-MINOTAUR JV

Calcrete Geochemical Survey - 1996 Results



KINGOONYA - SAUSAGE
PIMA-MINOTAUR JV

Calcrete Geochemical Survey - 1996 Results