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EL 2789

CHARLESTON (EYRE PENINSULA)

**ANNUAL AND FINAL REPORTS FOR THE PERIOD
11/1/2001 TO 10/7/2002**

Submitted by

Helix Resources NL
2002

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**CHARLESTON – SOUTH AUSTRALIA
EL 2789**

**ANNUAL AND FINAL TECHNICAL
REPORT FOR THE
PERIOD ENDING 9th JULY 2002**

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Date: July 2002

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SUMMARY

EL2789 covered the Charleston Granite, a large inferred Hiltaba Suite granitoid located at the southern termination of the Middleback Range. Regional interpretation of aeromagnetic data indicated the granite to be localised in both a swing in the strike of the Proterozoic stratigraphy and on a major northwest trending cross structure referred to as the Charleston Transfer. The area was considered prospective for shear hosted gold mineralisation associated with the Hiltaba Suite granitoid and iron-oxide Cu-Au mineralisation associated with iron rich units of the Middleback Subgroup.

Geochemical sampling of predominantly calcareous material across the northern half of the licence defined weakly anomalous gold and copper values to the west of the Middleback Range and scattered spot base metal highs primarily along the western edge of the licence. Weakly anomalous gold values to a maximum of 5.2ppbAu form a number of closely spaced +2ppbAu clusters coincident or partially coincident with a broader zone of elevated copper values to a maximum of 25ppmCu. Non-coincident spot Pb and Zn highs occur close to the interpreted edge of the Charleston Granite with maximum values of 13ppm and 44ppm respectively.

Due to the low order Au and Cu anomalism the targets were not considered worthy of follow-up sampling or drilling and the EL was relinquished.

1.0 INTRODUCTION

Helix Resources Limited (Helix) actively explored EL 2789 for shear hosted gold and iron-oxide Cu-Au mineralisation associated with Hiltaba Suite granite and iron rich units of the Middelback Subgroup.

The licence covered the Charleston Granite, a large inferred Hiltaba Suite granitoid located at the southern termination of the Middleback Range. Geochemical sampling, predominantly across the northern parts of the licence, defined weakly anomalous gold and copper values, however the anomalies were not considered worthy of follow-up sampling or drilling and the EL was relinquished.

2.0 LOCATION AND ACCESS

The Charleston tenement is located approximately 60km southwest of Whyalla, to the west of the Moonachie Range (Figure 1).

The tenement area is dominated by broadly undulating topography, with local hills and outliers of major uplands. Longitudinal seif dunes of varying frequency occur throughout the licence area. In the north large tracts of mallee, myall trees and saltbush are common, while to the south the land has been cleared primarily for the growing of cereal crops with lesser sheep and cattle grazing.

The area is accessed by the Lincoln Highway, which runs down the western edge of the tenement area. Numerous unsealed roads of variable condition provide access throughout the area away from main sealed road.

3.0 TENURE

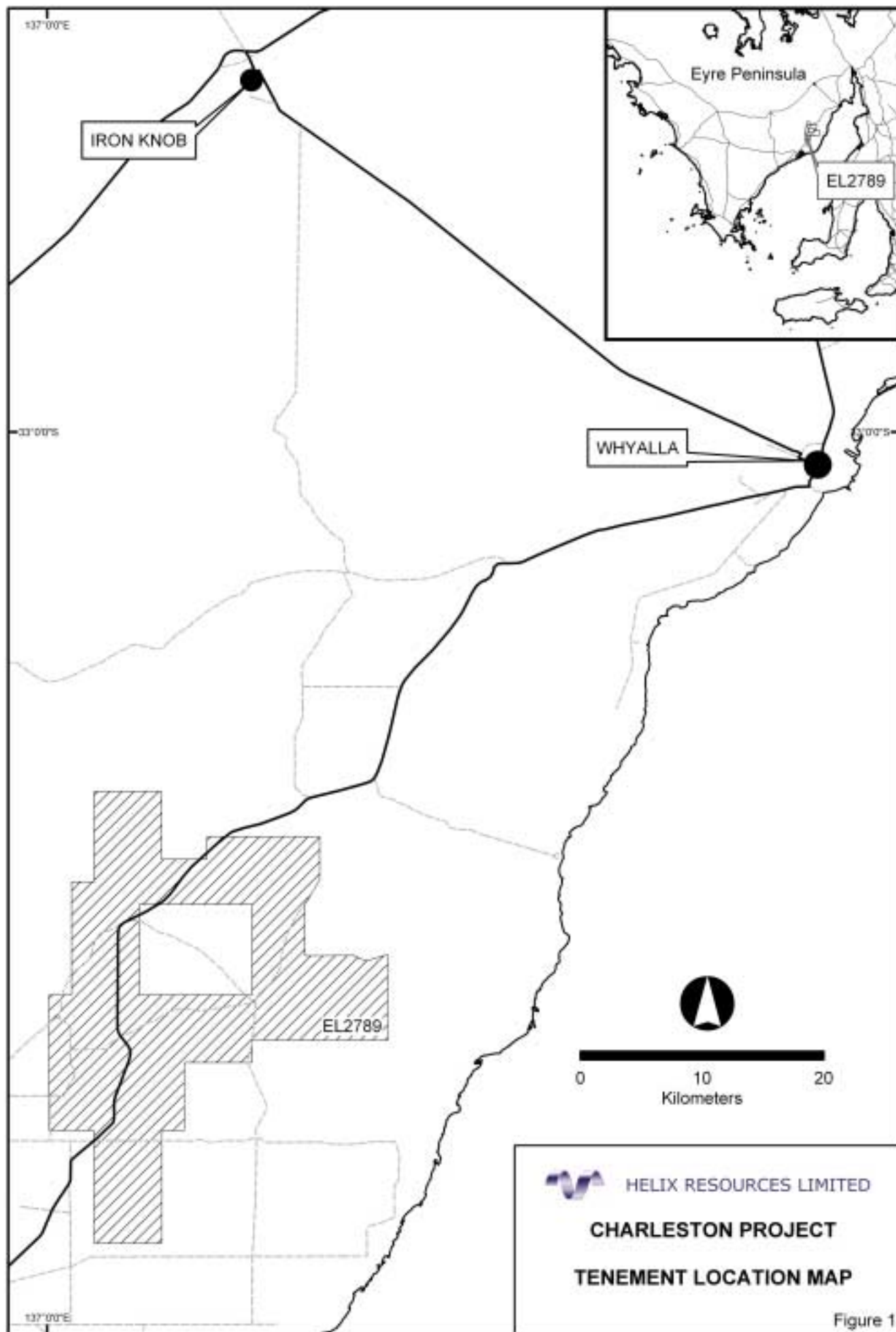
EL 2789 was granted to Helix Resources Limited on 11th January 2001, for a term of six months. The licence was renewed for a further one year from the 10th July 2001 over a reduced area of 385km², from an initial grant of 745km². The licence was relinquished on 9th July 2002.

4.0 GEOLOGY

The tenement area covers rocks of the Cleve Subdomain, a Palaeoproterozoic fold belt composed of tightly folded, high-grade metamorphic rocks derived mainly from clastic shallow-marine sediments, iron formations, carbonates and mafic and lesser acidic volcanics. The metasediments overlie an Archaean to very early Proterozoic basement and were intruded by numerous granitoids during major deformation and metamorphism of the Kimban Orogeny. Rocks within the fold belt are variably metamorphosed up to upper amphibolite facies and locally to granulite facies conditions (Drexel *et al* 1993).

Extensive Quaternary seif dunes and sediments dominate the tenement area. Outcrop is limited to Hiltaba Suite Charleston Granite, the majority of which was excised from the central parts of the licence, and lesser Corunna Conglomerates of the Moonachie Range.

The Charleston Granite is a massive, homogeneous, undeformed megacrystic granite forming a large pluton approximately 15km in diameter.



5.0 EXPLORATION ACTIVITIES AND RESULTS

During the reporting period exploration work undertaken included the collection of 240 predominantly calcareous samples, including 6 duplicate samples, and a review of previous exploration data.

Sampling was carried out on an offset grid with 800 metre sample spacing along 800 metre spaced lines. Samples were collected by auger, with the calcareous horizon commonly occurring at a depth exceeding 1m below surface and varying from calcrete nodules to calcareous sandy soil. Auger samples were sieved on site and the +5mm fraction, preferably nodules, submitted for assay. All samples were located by GPS, with sample locations shown in Figure 2.

All samples were analysed by Genalysis Laboratories, Perth for Au by B/EETA, Ag, Sb, Bi and Mo by B/EOES and Ca, As, Cu, Pb, Zn, Fe, Mn and Mg by B/OES. All data are included in Appendix I.

5.1 Literature Review

Previous exploration either covering or surrounding the current tenement area has primarily focused on the potential of the Archaean to Proterozoic basement and metasedimentary sequences to host iron ore, uranium, base metal and gold mineralisation. Tertiary sequences overlying basement have also been explored for uranium, lignite and oil shale deposits.

BHP (Env 2869,3154 & 9168) and to a lesser extent Burmine Ltd (Env 8184) explored large tracts of the eastern Eyre Peninsula for either high grade iron ore or easily beneficiable low grade iron ore associated with strong aeromagnetic anomalies. Work completed by BHP, including sampling and bedrock drilling, either failed to delineate targets worthy of further follow-up or identified quartz-magnetite BIF units without iron enrichment. Burmine undertook limited field reconnaissance work prior to relinquishing the tenement.

Exploration for both sedimentary uranium and uranium in Archaean to Proterozoic basement rocks has been undertaken by a number of companies. In the late 1960's to early 1970's Kerr McGee Ltd (Env 1108) explored a large area to the west and north of Cowell for Rum Jungle type mineralisation within Lower Proterozoic sedimentary and volcanic rocks. Exploration did not find evidence for stratigraphic control of uranium mineralisation and the tenements were relinquished. CRA Exploration (Env 3343) explored the southern and eastern parts of the licence area for sandstone type uranium deposits in Tertiary drainage channels. Drilling failed to intersect significant mineralisation. In the 1980's Esso Exploration and Production (Env 3782) and PNC Exploration (Env 5792) explored for Alligator River type mineralisation within the Proterozoic metasedimentary sequence with exploration failing to delineate prospective areas.

A number of companies have explored for base metal mineralisation within Hutchison Group metasediments, in particular the Lower Jaspilite sequence. BHP (Env 1174, 1175) explored a large area incorporating Iron Knob, Pandurra, Whyalla and Iron Duke but failed to intersect significant mineralisation. Aberfoyle Resources (Env 4928) in 1982 targetted the Kooralla Magnetic Ridge, located to the south of the Charleston Granite for massive base metal mineralisation. Drill testing of the Pondooma Anomaly did not intersect prospective units or their equivalents and the licence was relinquished. The Shell Company of Australia (Env 6284) explored for Broken Hill or Aggeneys-Gamsberg type mineralisation by re-assaying previous drill holes and drill testing of magnetic targets. Exploration drilling failed to intersect mineralisation. In 1993 Acacia Resources (Env 8894) conducted a limited exploration programme to the west of the Middleback Ranges. Rockchip sampling returned no anomalous results and the area was relinquished. Craton Resources (Env 9371) in 1997

explored the area to the south of and including parts of the current tenement for Cu-U-Au and high grade Ag-Cu-Pb associated with zones of magnetic or structural anomalism within and adjacent to the Hiltaba Suite Charleston Granite. Extensive geochemical sampling defined a number of anomalous areas within and along the Charleston Granite margins, however a board decision to focus on heavy mineral exploration in Victoria meant no follow-up work was conducted.

Exploration for gold has been limited. Dampier Mining (Env 3694) in the late 1970's targetted gold in sulphide rich carbonate and quartzite units near the base of the Lower Middleback Jaspilite. Work included the re-assaying of BHP holes along the eastern edge of the Middleback Ranges and detailed review of unpublished BHP data. Assay results from re-assayed drill holes indicated that earlier reported anomalous gold values were probably a result of laboratory error and no further work was conducted. Nullabor Holdings (Env 9408) in 1997 undertook exploration for shear hosted and Hiltaba Suite related gold mineralisation. Geochemical sampling defined a number of weak anomalies but no drill targets. Interpretation of the data indicated anomalous values were not associated with major faults and probably reflected variations in bedrock lithology.

In the early 1980's Dampier Mining (Env 4124, 4387) explored for carbonaceous Tertiary sequences, including oil shale and coal, possibly developed on a series of fault blocks. Drilling, in conjunction with gravity and ground magnetic surveys, defined lignite and lignite+oil shale resources based on widely spaced drillholes, however the licence was allowed to expire.

5.2 Exploration Results

Geochemical sampling (Figure 2) failed to define exploration targets worthy of follow-up work. Sampling defined a broad zone of partially coincident, weakly anomalous Cu-Au values to the west of the Middleback Range and scattered base metal highs predominantly near the interpreted western edge of the Charleston Granite.

To the west of the Middleback Range weakly anomalous Au values form roughly NE-SW orientated +2ppbAu clusters (Figure 4) that are partially coincident with a broader weak to moderately anomalous +20ppmCu zone (Figure 5). Maximum Au and Cu values within this area are 5.2ppb and 25ppm respectively. The area is also elevated in Mn and to a much lesser extent As and Mg with spot Fe highs in the top northwest corner of the licence coincident with mapped and previously sampled (Acacia, Env 8894) BIF units. Aeromagnetic data over the area shows a broad diffuse high with 1:250 000 scale mapping showing limited outcrops of Charleston Granite and Minbrie Gneiss.

Base metal values are generally low throughout the sampled area with maximum values for Pb and Zn of 13ppm and 44ppm respectively. Anomalous Pb (+10ppm) and Zn (+25ppm) values generally form non-coincident scattered spot highs or small clusters (Figure 6) at or near the interpreted periphery of the Charleston Granite.

6.0 CONCLUSIONS

Sampling of calcareous material over the northern half of the licence area defined a number of closely spaced groups or clusters of weakly anomalous gold values coincident or partially coincident with a broader zone of anomalous copper to the west of the Middleback Range. Sampling failed to define significant areas of anomalous base metals values instead defining generally non-coincident spot Pb and Zn highs near the interpreted edge of the Charleston Granite. No further work was considered warranted due to the weakly anomalous nature of the results and the licence was relinquished.

7.0 REFERENCES

Drexel, J.F., Preiss, W.V. and Parker, A.J., 1993. The geology of South Australia. Vol. 1, The Precambrian. *South Australia. Geological Survey. Bulletin*, 54.

7.0 EXPENDITURE

The following outlines expenditure by Helix Resources Limited on EL 2789, Charleston for the Year Ending 9th July 2002 and Total Expenditure for the term of the EL.

Expenditure to 9th July 2002

Accommodation/Travel	3,429
Assays	4,644
Consulting Geology	21,379
Data Acquisition (Air Photo's)	26
Field Equipment/Expenses	330
Freight	18
Fuel, Light vehicles, Repairs	1,530
Land Access – Non Aboriginal	777
Motor Vehicle Hire	1,698
Messing	601
Overhead Allocation	5,833
Printing/Copy/Stationary	239
Salaries and Wages	864
Telephone	24
Tenement Application/Admin	568
Tenement, Rental	1,330
Total Expenditure	\$43,290

Total Expenditure on EL 2789

Accommodation/Travel	3,641
Assays	4,644
Consulting Geology	24,680
Data Acquisition (Air Photo's)	26
Field Equipment/Expenses	365
Freight	101
Fuel, Light vehicles, Repairs	1,616
Land Access – Non Aboriginal	777
Motor Vehicle Hire	1,698
Messing	601
Overhead Allocation	6,231
Printing/Copy/Stationary	239
Salaries and Wages	1,683
Stamp Duty	10
Superannuation	74
Telephone	24
Tenement Application/Admin	4,592
Tenement, Rental	1,330
Total Expenditure	\$52,332

Appendix 1 Assay Results

Sample_No	EL_No	EL_Name	AMG_E	AMG_N	Datum	Duplicate_S/N	Sample_Type	Sample_Depth_(m)	Lab	LabJobNo	Au	Au-Rp1	Ag	As	Bi	Ca	Cu	Fe	Mg	Mn	Mo	Pb	Sb	Zn
											ppb	ppb	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
											0.1	0.1	0.1	2	1	0.01	1	0.01	0.01	1	1	2	1	1
41548	EL2789	Charleston	686730	6300300	AGD_84		CSOIL	2	Genalysis	483.0/0200498	0.9		-0.1	-2	-1	7.41	14	1.51	0.44	94	-1	9	-1	15
41543	EL2789	Charleston	690658	6300399	AGD_84		NOD	1	Genalysis	483.0/0200498	0.9		0.1	-2	-1	5.18	11	1.57	0.62	138	-1	9	-1	17
41544	EL2789	Charleston	689900	6300400	AGD_84		CSOIL	1.6	Genalysis	483.0/0200498	0.9		-0.1	-2	-1	3.24	11	1.69	0.59	93	-1	9	-1	16
41545	EL2789	Charleston	689100	6300400	AGD_84		MASS	1	Genalysis	483.0/0200498	1.3		0.3	-2	-1	10.76	12	1.73	0.64	122	-1	13	-1	17
41546	EL2789	Charleston	688300	6300400	AGD_84		CSOIL	1.5	Genalysis	483.0/0200498	1.8		-0.1	-2	-1	4.86	14	1.53	0.62	129	-1	7	-1	19
41547	EL2789	Charleston	687500	6300400	AGD_84		CSOIL	2	Genalysis	483.0/0200498	0.9		-0.1	-2	-1	4.21	5	1.08	0.53	48	-1	4	-1	12
41549	EL2789	Charleston	686000	6300400	AGD_84		NOD	0.2	Genalysis	483.0/0200498	1.5		-0.1	7	-1	29.48	22	0.65	0.71	82	1	-2	-1	9
41539	EL2789	Charleston	687901	6301090	AGD_84		CSOIL	1	Genalysis	483.0/0200498	0.6		-0.1	-2	-1	3.5	8	0.97	0.33	80	-1	4	-1	13
41541	EL2789	Charleston	689500	6301145	AGD_84		CSOIL	3	Genalysis	483.0/0200498	0.6		-0.1	-2	-1	1.88	4	0.52	0.16	27	2	2	-1	8
41521	EL2789	Charleston	691900	6301200	AGD_84		CSOIL	3	Genalysis	483.0/0200498	0.2		-0.1	-2	-1	0.46	6	0.95	0.12	51	2	5	-1	9
41528	EL2789	Charleston	691900	6301200	AGD_84	41521			Genalysis	483.0/0200498	0.2		-0.1	-2	-1	0.4	4	0.94	0.11	51	2	5	-1	8
41542	EL2789	Charleston	690300	6301200	AGD_84		CSOIL	2	Genalysis	483.0/0200498	0.4		-0.1	-2	-1	0.57	4	1.18	0.23	52	1	5	-1	12
41540	EL2789	Charleston	688700	6301200	AGD_84		CSOIL	2	Genalysis	483.0/0200498	1		0.2	-2	-1	2.83	8	1.67	0.56	76	-1	8	-1	17
41520	EL2789	Charleston	692300	6302000	AGD_84		CSOIL	1.8	Genalysis	483.0/0200498	0.4		-0.1	-2	-1	0.62	6	1	0.16	39	1	5	-1	10
41519	EL2789	Charleston	691500	6302000	AGD_84		CSOIL	2	Genalysis	483.0/0200498	0.8		-0.1	-2	-1	5.39	14	1.89	0.55	143	-1	10	-1	20
41536	EL2789	Charleston	690700	6302000	AGD_84		CSOIL	1.6	Genalysis	483.0/0200498	1		-0.1	-2	-1	0.52	4	1.07	0.13	72	1	6	-1	11
41535	EL2789	Charleston	689900	6302000	AGD_84		NOD	1	Genalysis	483.0/0200498	1		0.1	-2	-1	4.83	9	1.46	0.54	103	-1	8	-1	14
41537	EL2789	Charleston	689100	6302000	AGD_84		NOD	1	Genalysis	483.0/0200498	1.3		0.2	-2	-1	6.83	17	1.89	0.62	135	-1	11	-1	21
41538	EL2789	Charleston	688300	6302000	AGD_84		CSOIL	2.5	Genalysis	483.0/0200498	0.5		-0.1	-2	-1	2.34	6	1.15	0.35	65	-1	5	-1	11
41531	EL2789	Charleston	687947	6302730	AGD_84		NOD	0.8	Genalysis	483.0/0200498	0.8		-0.1	-2	-1	4.4	12	1.75	0.38	127	-1	11	-1	21
41517	EL2789	Charleston	691900	6302800	AGD_84		SOIL	3.5	Genalysis	483.0/0200498	0.3		-0.1	-2	-1	0.23	6	0.81	0.09	42	3	3	-1	8
41518	EL2789	Charleston	691100	6302800	AGD_84		CSOIL	2	Genalysis	483.0/0200498	0.5		-0.1	-2	-1	1.94	8	1.45	0.36	68	-1	6	-1	15
41534	EL2789	Charleston	690300	6302800	AGD_84		CSOIL	3	Genalysis	483.0/0200498	0.7		-0.1	-2	-1	1.19	3	0.84	0.15	35	-1	3	-1	8
41533	EL2789	Charleston	689500	6302800	AGD_84		CSOIL	1.9	Genalysis	483.0/0200498	0.5		0.3	3	-1	1.23	8	1.92	0.37	125	1	10	-1	15
41532	EL2789	Charleston	688700	6302800	AGD_84		CSOIL	0.8	Genalysis	483.0/0200498	1.3		-0.1	-2	-1	2.48	16	1.95	0.52	157	1	7	-1	25
40682	EL2789	Charleston	703600	6303600	AGD_84		CSOIL	1	Genalysis	483.0/0107643	1.7		-0.1	3	-1	5.09	11	1.64	0.68	128	-1	7	-1	19
40681	EL2789	Charleston	702800	6303600	AGD_84		CSOIL	1	Genalysis	483.0/0107643	1		-0.1	2	-1	5.71	10	1.21	0.61	99	-1	6	1	16
40680	EL2789	Charleston	702000	6303600	AGD_84		CSOIL	1	Genalysis	483.0/0107643	1.3		-0.1	-2	-1	3.49	8	1.25	0.49	81	-1	6	-1	15
41515	EL2789	Charleston	692300	6303600	AGD_84		CSOIL	2	Genalysis	483.0/0200498	0.4		-0.1	-2	-1	1.24	4	0.95	0.17	45	1	5	-1	8
41516	EL2789	Charleston	691500	6303600	AGD_84		CSOIL	2	Genalysis	483.0/0200498	0.4		-0.1	-2	-1	2.8	8	1.34	0.46	71	-1	6	-1	13
41526	EL2789	Charleston	690700	6303600	AGD_84		NOD	1.8	Genalysis	483.0/0200498	0.8		0.2	-2	-1	5.56	10	1.61	0.46	98	-1	9	-1	15
41527	EL2789	Charleston	689900	6303600	AGD_84		CSOIL	3	Genalysis	483.0/0200498	0.7		-0.1	-2	-1	1.84	4	0.83	0.19	32	1	4	-1	7
41530	EL2789	Charleston	689100	6303600	AGD_84		CSOIL	1	Genalysis	483.0/0200498	1.5		0.1	-2	-1	3.09	14	1.45	0.34	95	-1	8	-1	19
41505	EL2789	Charleston	688300	6303600	AGD_84		CSOIL	0.8	Genalysis	483.0/0200498	0.8		-0.1	-2	-1	1.51	7	1.35	0.5	57	-1	5	-1	16
40677	EL2789	Charleston	703200	6304400	AGD_84		CSOIL	0.8	Genalysis	483.0/0107643	1		-0.1	3	-1	8.1	9	1.21	0.51	64	-1	6	1	10
40678	EL2789	Charleston	702400	6304400	AGD_84		CSOIL	0.8	Genalysis	483.0/0107643	1.2		-0.1	2	-1	3.94	6	1.09	0.38	52	1	5	-1	9
40679	EL2789	Charleston	701600	6304400	AGD_84		CSOIL	1.8	Genalysis	483.0/0107643	0.7		-0.1	-2	-1	2.52	3	0.58	0.21	22	-1	3	-1	5
41514	EL2789	Charleston	691900	6304400	AGD_84		CSOIL	2	Genalysis	483.0/0200498	0.5		0.1	-2	-1	1.04	7	1.62	0.22	48	-1	8	-1	13
41513	EL2789	Charleston	691100	6304400	AGD_84		CSOIL	1	Genalysis	483.0/0200498	0.3		-0.1	-2	-1	0.68	9	1.59	0.28	140	-1	7	-1	19
41525	EL2789	Charleston	690300	6304400	AGD_84		CSOIL	2	Genalysis	483.0/0200498	0.5		-0.1	-2	-1	0.42	6	1.09	0.13	64	3	6	-1	9
41524	EL2789	Charleston	689500	6304400	AGD_84		CSOIL	1	Genalysis	483.0/0200498	0.7		-0.1	-2	-1	2.43	10	1.54	0.49	100	-1	7	-1	16
41503	EL2789	Charleston	688700	6304400	AGD_84		NOD	0.3	Genalysis	483.0/0200498	3.4	4	-0.1	-2	-1	22.08	20	0.88	1.41	97	-1	8	-1	15
41504	EL2789	Charleston	687900	6304400	AGD_84		NOD	0.5	Genalysis	483.0/0200498	2	2	-0.1	-2	-1	12.91	21	1.34	1.58	89	-1	8	-1	18
40676	EL2789	Charleston	703600	6305200	AGD_84		SOIL	0.8	Genalysis	483.0/0107643	1		-0.1	-2	-1	1.29	5	1.12	0.32	42	2	5	-1	11
40675	EL2789	Charleston	702800	6305200	AGD_84		CSOIL	1.6	Genalysis	483.0/0107643	0.9		-0.1	-2	-1	1.07	5	1.16	0.32	39	2	5	-1	10

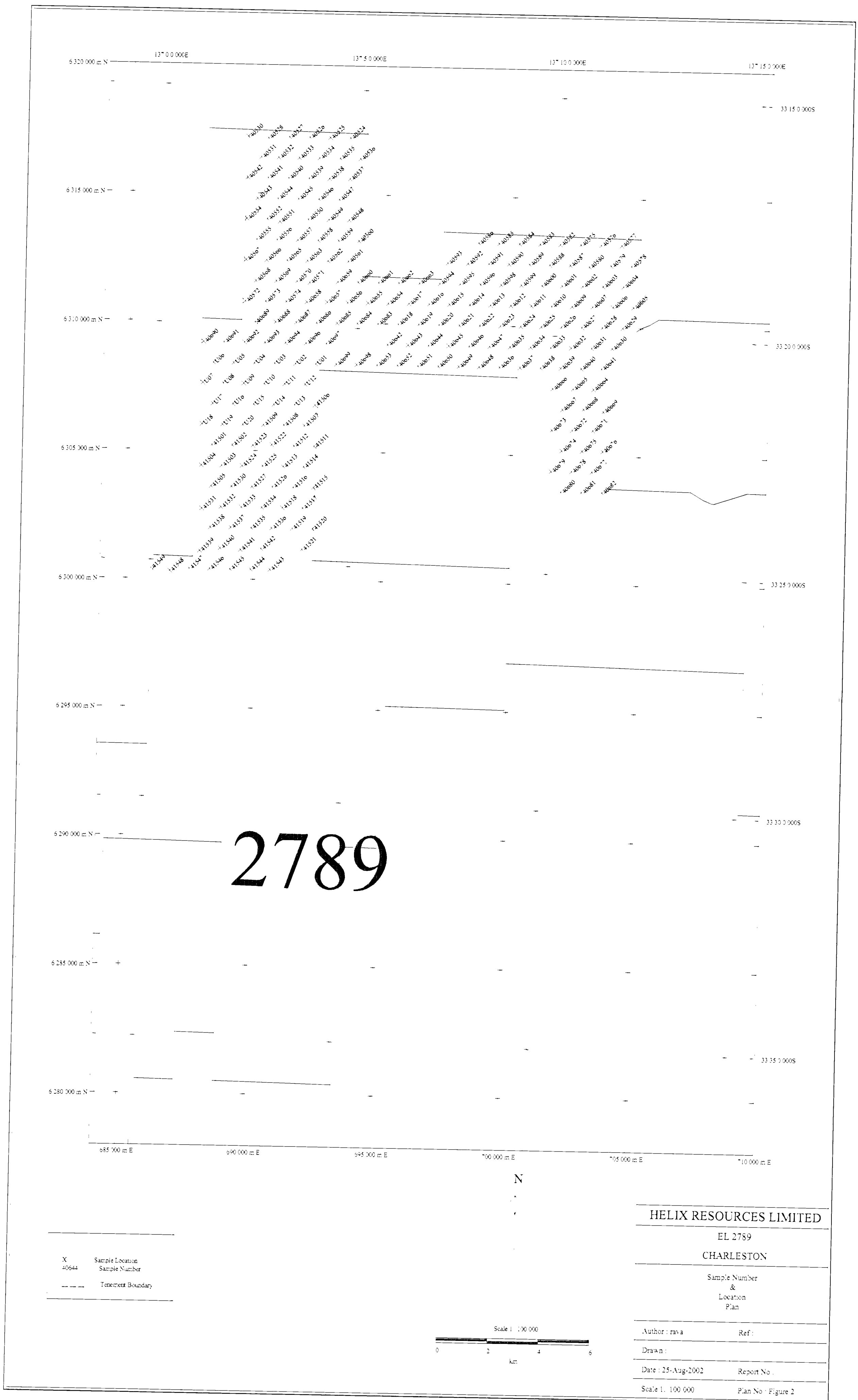
Sample_No	EL_No	EL_Name	AMG_E	AMG_N	Datum	Duplicate_S/N	Sample_Type	Sample_Depth_(m)	Lab	LabJobNo	Au	Au-Rp1	Ag	As	Bi	Ca	Cu	Fe	Mg	Mn	Mo	Pb	Sb	Zn
											ppb	ppb	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
											0.1	0.1	0.1	2	1	0.01	1	0.01	0.01	1	1	2	1	1
40674	EL2789	Charleston	702000	6305200	AGD_84		CSOIL	1.5	Genalysis	483.0/0107643	1.2		-0.1	-2	-1	5.9	10	1.39	0.77	64	-1	6	-1	14
41511	EL2789	Charleston	692300	6305200	AGD_84		NOD	1	Genalysis	483.0/0200498	0.9		-0.1	-2	-1	4	9	1.2	0.49	70	-1	6	-1	14
41512	EL2789	Charleston	691500	6305200	AGD_84		CSOIL	1.8	Genalysis	483.0/0200498	0.5		-0.1	-2	-1	1.09	7	1.11	0.4	39	-1	4	-1	13
41523	EL2789	Charleston	689900	6305200	AGD_84		CSOIL	1	Genalysis	483.0/0200498	0.9		0.2	-2	-1	3.35	9	1.59	0.53	115	-1	8	-1	16
41502	EL2789	Charleston	689100	6305200	AGD_84		CSOIL	1.8	Genalysis	483.0/0200498	1.9	2	-0.1	-2	-1	2.9	14	1.89	0.71	162	-1	8	-1	27
41501	EL2789	Charleston	688300	6305200	AGD_84		CSOIL	1.8	Genalysis	483.0/0200498	0.6		-0.1	-2	-1	4.24	7	1.12	0.61	48	-1	4	-1	15
41522	EL2789	Charleston	690641	6305239	AGD_84		SOIL	0.2	Genalysis	483.0/0200498	0.6		0.3	2	-1	0.17	4	1.73	0.16	146	1	13	-1	16
40671	EL2789	Charleston	703200	6306000	AGD_84		SOIL	1.5	Genalysis	483.0/0107643	0.6		-0.1	-2	-1	1.48	3	0.84	0.3	35	1	3	-1	8
40672	EL2789	Charleston	702400	6306000	AGD_84		SOIL	1	Genalysis	483.0/0107643	0.8		-0.1	-2	-1	0.85	4	0.85	0.36	36	1	3	-1	11
40673	EL2789	Charleston	701600	6306000	AGD_84		SOIL	0.8	Genalysis	483.0/0107643	0.7		0.1	-2	-1	1.48	3	0.98	0.35	43	1	4	-1	9
41507	EL2789	Charleston	691900	6306000	AGD_84		CSOIL	1	Genalysis	483.0/0200498	1.2		-0.1	-2	-1	4.42	10	1.52	0.77	84	-1	6	-1	16
41508	EL2789	Charleston	691100	6306000	AGD_84		CSOIL	1.8	Genalysis	483.0/0200498	0.4		-0.1	-2	-1	2.02	6	1.2	0.43	37	-1	4	-1	12
41510	EL2789	Charleston	691100	6306000	AGD_84	41508			Genalysis	483.0/0200498	0.4		-0.1	-2	-1	1.9	5	1.15	0.41	35	-1	4	-1	11
41509	EL2789	Charleston	690300	6306000	AGD_84		CSOIL	1.8	Genalysis	483.0/0200498	0.5		-0.1	-2	-1	2.02	6	1.33	0.29	66	-1	6	-1	12
U20	EL2789	Charleston	689500	6306000	AGD_84		CSOIL	1	Genalysis	483.0/0107643	1.1		-0.1	-2	-1	5.03	11	1.5	0.55	118	-1	7	-1	17
U19	EL2789	Charleston	688700	6306000	AGD_84		CSOIL	1	Genalysis	483.0/0107643	1.1		-0.1	2	-1	2.92	18	2.19	0.63	163	1	11	-1	35
U18	EL2789	Charleston	687900	6306000	AGD_84		CSOIL	1	Genalysis	483.0/0107643	0.9		-0.1	-2	-1	2.38	10	1.05	0.32	106	1	5	-1	17
40669	EL2789	Charleston	703600	6306740	AGD_84		CSOIL	1.8	Genalysis	483.0/0107643	0.8		-0.1	-2	-1	4.76	6	1.04	0.59	49	-1	5	1	10
40667	EL2789	Charleston	702000	6306800	AGD_84		CSOIL	1	Genalysis	483.0/0107643	1.3		-0.1	-2	-1	3.89	8	1.38	0.58	65	-1	6	-1	12
41506	EL2789	Charleston	692300	6306800	AGD_84		SOIL	1.6	Genalysis	483.0/0200498	0.5		-0.1	-2	-1	0.77	6	1.2	0.33	53	-1	5	-1	13
U13	EL2789	Charleston	691500	6306800	AGD_84		SOIL	1	Genalysis	483.0/0107643	1.2		-0.1	-2	-1	2.25	11	1.71	0.49	111	-1	8	-1	19
U14	EL2789	Charleston	690700	6306800	AGD_84		NOD	0.8	Genalysis	483.0/0107643	1.2		-0.1	2	1	7.3	8	1.15	0.71	91	-1	7	-1	13
U15	EL2789	Charleston	689900	6306800	AGD_84		NOD	1	Genalysis	483.0/0107643	1		-0.1	-2	-1	3.52	9	1.54	0.49	99	-1	7	-1	17
U16	EL2789	Charleston	689100	6306800	AGD_84		NOD	1	Genalysis	483.0/0107643	0.8		-0.1	-2	-1	3.58	11	1.26	0.43	134	-1	8	-1	22
U17	EL2789	Charleston	688300	6306800	AGD_84		NOD	1	Genalysis	483.0/0107643	1.1		-0.1	3	-1	5.91	14	1.37	1.03	123	-1	6	-1	20
40668	EL2789	Charleston	702819	6306826	AGD_84		SOIL	2.6	Genalysis	483.0/0107643	0.4		-0.1	-2	-1	0.93	2	0.39	0.14	13	-1	-2	-1	3
40664	EL2789	Charleston	703200	6307600	AGD_84		CSOIL	1.6	Genalysis	483.0/0107643	1		-0.1	2	-1	8.15	7	0.95	0.73	47	-1	4	-1	11
40665	EL2789	Charleston	702400	6307600	AGD_84		CSOIL	0.8	Genalysis	483.0/0107643	1.3		-0.1	4	-1	5.6	11	1.7	0.62	99	-1	8	-1	16
40666	EL2789	Charleston	701600	6307600	AGD_84		SOIL	0.8	Genalysis	483.0/0107643	0.4		-0.1	-2	-1	0.69	4	1.04	0.32	40	2	4	-1	9
U12	EL2789	Charleston	691900	6307600	AGD_84		CSOIL	1	Genalysis	483.0/0107643	2		-0.1	2	-1	5.24	14	2.11	0.64	127	-1	9	1	24
U11	EL2789	Charleston	691100	6307600	AGD_84		CSOIL	1	Genalysis	483.0/0107643	0.9		-0.1	-2	-1	2.72	7	1.26	0.43	75	1	5	-1	15
U10	EL2789	Charleston	690300	6307600	AGD_84		CSOIL	1.6	Genalysis	483.0/0107643	0.5		-0.1	-2	-1	0.48	4	0.93	0.29	37	1	4	-1	15
U09	EL2789	Charleston	689500	6307600	AGD_84		NOD	0.6	Genalysis	483.0/0107643	0.6		-0.1	-2	-1	7.06	11	1.12	0.8	135	-1	5	-1	19
U08	EL2789	Charleston	688700	6307600	AGD_84		CSOIL	0.6	Genalysis	483.0/0107643	0.7		-0.1	-2	-1	4.73	10	1.08	0.55	157	-1	5	-1	18
U07	EL2789	Charleston	687900	6307600	AGD_84		CSOIL	0.6	Genalysis	483.0/0107643	0.5		-0.1	-2	-1	3.22	7	1.15	0.32	123	1	6	-1	18
40641	EL2789	Charleston	703500	6308400	AGD_84		NOD	0.3	Genalysis	483.0/0107286	2.4		-0.1	4	-1	20.33	12	0.9	0.98	116	2	5	-1	8
40640	EL2789	Charleston	702700	6308400	AGD_84		CSOIL	1.2	Genalysis	483.0/0107286	0.6		0.2	3	-1	1.01	7	1.34	0.39	56	2	4	1	44
40639	EL2789	Charleston	701900	6308400	AGD_84		SOIL	3	Genalysis	483.0/0107286	0.3		0.2	-2	-1	0.11	3	0.98	0.11	47	3	-2	-1	6
40638	EL2789	Charleston	701100	6308400	AGD_84		CSOIL	1.1	Genalysis	483.0/0107286	1		0.4	3	-1	1.19	6	1.42	0.47	51	1	4	-1	12
40637	EL2789	Charleston	700300	6308400	AGD_84		SOIL	0.8	Genalysis	483.0/0107286	0.2		-0.1	3	-1	0.2	2	1.09	0.06	46	3	7	-1	4
40636	EL2789	Charleston	699500	6308400	AGD_84		CSOIL	1.2	Genalysis	483.0/0107286	0.7		-0.1	2	-1	4.4	9	1.23	0.49	86	-1	4	-1	11
40648	EL2789	Charleston	698700	6308400	AGD_84		NOD	1.2	Genalysis	483.0/0107286	1.9		-0.1	-2	-1	4.84	9	1.03	0.52	63	-1	6	-1	10
40649	EL2789	Charleston	697900	6308400	AGD_84		CSOIL	1.5	Genalysis	483.0/0107286	0.6		-0.1	-2	-1	0.53	5	1.23	0.31	46	1	5	-1	10
40650	EL2789	Charleston	697100	6308400	AGD_84		SOIL	1.4	Genalysis	483.0/0107286	0.3		-0.1	-2	-1	0.28	3	0.96	0.14	47	3	3	-1	7
40651	EL2789	Charleston	696300	6308400	AGD_84		CSOIL	1.2	Genalysis	483.0/0107286	1.4		-0.1	2	-1	6.21	7	1.2	0.47	63	1	5	-1	9

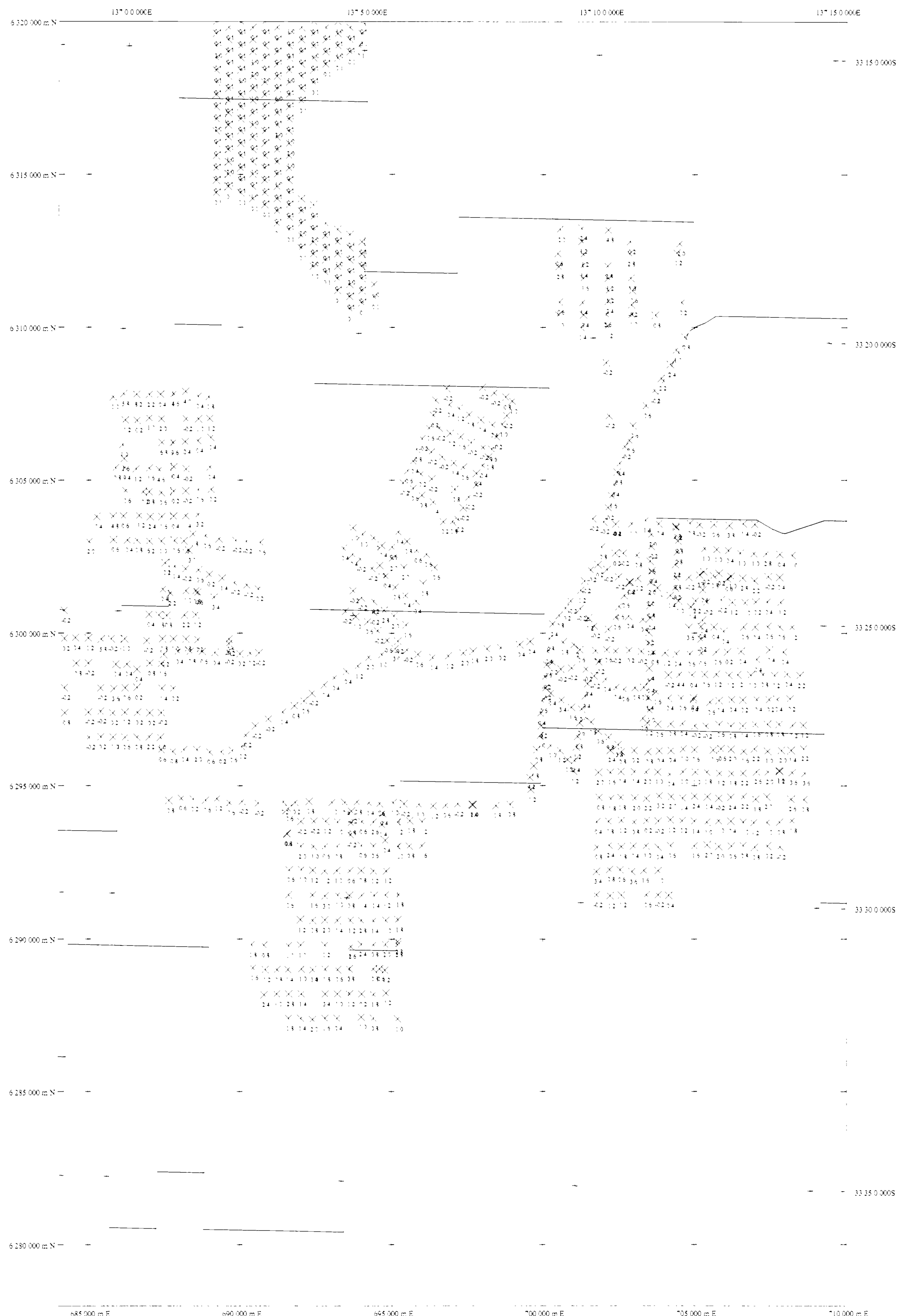
Sample_No	EL_No	EL_Name	AMG_E	AMG_N	Datum	Duplicate_S/N	Sample_Type	Sample_Depth_(m)	Lab	LabJobNo	Au	Au-Rp1	Ag	As	Bi	Ca	Cu	Fe	Mg	Mn	Mo	Pb	Sb	Zn
											ppb	ppb	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
											0.1	0.1	0.1	2	1	0.01	1	0.01	0.01	1	1	2	1	1
40652	EL2789	Charleston	695500	6308400	AGD_84		CSOIL	1.5	Genalysis	483.0/0107286	0.5		-0.1	-2	-1	1.14	5	1.36	0.45	56	2	5	-1	11
40653	EL2789	Charleston	694700	6308400	AGD_84		CSOIL	1	Genalysis	483.0/0107286	1.6		-0.1	-2	-1	5.3	11	1.82	0.74	102	1	8	-1	16
40698	EL2789	Charleston	693900	6308400	AGD_84		NOD	1	Genalysis	483.0/0107643	2.7		-0.1	4	-1	4.59	13	1.86	0.68	112	-1	10	-1	20
40699	EL2789	Charleston	693100	6308400	AGD_84		CSOIL	1	Genalysis	483.0/0107643	0.5		-0.1	-2	-1	1.51	6	1.04	0.28	70	2	5	-1	14
U01	EL2789	Charleston	692300	6308400	AGD_84		NOD	1	Genalysis	483.0/0107643	1.2		-0.1	-2	-1	3.75	10	1.44	0.61	83	-1	6	-1	22
U02	EL2789	Charleston	691500	6308400	AGD_84		CSOIL	0.8	Genalysis	483.0/0107643	0.8		-0.1	-2	-1	4.64	5	0.86	0.43	55	-1	4	-1	14
U03	EL2789	Charleston	690700	6308400	AGD_84		CSOIL	1.5	Genalysis	483.0/0107643	1.2		-0.1	-2	-1	2.99	9	1.53	0.7	65	-1	6	-1	19
U04	EL2789	Charleston	689900	6308400	AGD_84		CSOIL	1	Genalysis	483.0/0107643	0.8		-0.1	-2	-1	2.39	8	1	0.53	60	-1	5	-1	15
U05	EL2789	Charleston	689100	6308400	AGD_84		NOD	0.4	Genalysis	483.0/0107643	2.6		-0.1	14	-1	20.03	11	0.7	1.26	82	2	2	-1	11
U06	EL2789	Charleston	688300	6308400	AGD_84		CSOIL	1	Genalysis	483.0/0107643	1.7		-0.1	2	-1	6.11	12	1.42	0.65	163	-1	7	-1	21
40630	EL2789	Charleston	703900	6309200	AGD_84		CSOIL	2	Genalysis	483.0/0107286	0.8		0.1	2	-1	0.63	5	0.72	0.12	27	1	3	-1	6
40631	EL2789	Charleston	703100	6309200	AGD_84		CSOIL	1.2	Genalysis	483.0/0107286	1.1		0.1	2	-1	1.98	10	1.7	0.35	120	1	6	1	18
40632	EL2789	Charleston	702300	6309200	AGD_84		CSOIL	1.5	Genalysis	483.0/0107286	1.2		0.3	3	-1	1.02	6	1.3	0.43	52	1	5	-1	11
40633	EL2789	Charleston	701500	6309200	AGD_84		CSOIL	1.3	Genalysis	483.0/0107286	0.9		-0.1	2	-1	3.81	7	1	0.67	52	1	4	-1	9
40634	EL2789	Charleston	700700	6309200	AGD_84		CSOIL	1.4	Genalysis	483.0/0107286	0.6		0.2	-2	-1	3.26	6	0.89	0.35	33	1	3	1	8
40635	EL2789	Charleston	699900	6309200	AGD_84		CSOIL	2.1	Genalysis	483.0/0107286	1.2		0.1	2	-1	0.82	5	1.57	0.43	63	3	4	-1	11
40647	EL2789	Charleston	699100	6309200	AGD_84		CSOIL	2.1	Genalysis	483.0/0107286	0.4		-0.1	2	-1	1.34	5	0.96	0.3	42	1	4	-1	8
40646	EL2789	Charleston	698300	6309200	AGD_84		CSOIL	1.1	Genalysis	483.0/0107286	0.9		-0.1	3	-1	3.52	9	1.29	0.45	74	1	7	-1	12
40645	EL2789	Charleston	697500	6309200	AGD_84		CSOIL	1.2	Genalysis	483.0/0107286	1.5		-0.1	3	-1	7.71	11	1.78	0.54	103	1	9	-1	15
40644	EL2789	Charleston	696700	6309200	AGD_84		CSOIL	1	Genalysis	483.0/0107286	0.7		0.2	2	-1	2.42	7	0.97	0.37	60	-1	4	1	9
40643	EL2789	Charleston	695900	6309200	AGD_84		CSOIL	2	Genalysis	483.0/0107286	0.3		0.2	-2	-1	0.37	3	0.93	0.13	41	2	3	-1	6
40642	EL2789	Charleston	695100	6309200	AGD_84		CSOIL	0.8	Genalysis	483.0/0107286	0.4		0.1	2	-1	0.5	5	1.36	0.23	68	2	5	-1	10
40697	EL2789	Charleston	692700	6309200	AGD_84		CSOIL	2	Genalysis	483.0/0107643	0.5		-0.1	-2	-1	0.82	4	0.88	0.22	33	1	3	-1	10
40696	EL2789	Charleston	691900	6309200	AGD_84		CSOIL	1	Genalysis	483.0/0107643	2		-0.1	-2	-1	2.42	21	2.55	0.74	154	-1	10	-1	29
40694	EL2789	Charleston	691100	6309200	AGD_84		NOD	0.2	Genalysis	483.0/0107643	2.2		-0.1	16	-1	19.97	15	0.76	1.73	95	2	4	1	20
40693	EL2789	Charleston	690300	6309200	AGD_84		NOD	1	Genalysis	483.0/0107643	1.3		-0.1	4	3	10.61	14	1.31	0.79	205	-1	7	2	19
40692	EL2789	Charleston	689500	6309200	AGD_84		CSOIL	1.3	Genalysis	483.0/0107643	1		-0.1	-2	-1	1.39	6	1.01	0.43	54	-1	4	-1	12
40695	EL2789	Charleston	689500	6309200	AGD_84	40692			Genalysis	483.0/0107643	0.9		-0.1	3	-1	8.95	10	0.87	1.65	94	-1	5	-1	16
40691	EL2789	Charleston	688700	6309200	AGD_84		CSOIL	0.2	Genalysis	483.0/0107643	0.9		-0.1	4	-1	5.07	15	2	0.69	315	-1	10	-1	37
40690	EL2789	Charleston	687900	6309200	AGD_84		CSOIL	0.8	Genalysis	483.0/0107643	2.3		-0.1	3	-1	5.75	11	1.46	0.68	87	-1	6	1	16
40629	EL2789	Charleston	704300	6310000	AGD_84		CSOIL	1.2	Genalysis	483.0/0107286	0.5		-0.1	-2	-1	2.64	6	0.78	0.15	41	-1	3	-1	7
40628	EL2789	Charleston	703500	6310000	AGD_84		CSOIL	1.3	Genalysis	483.0/0107286	1.1		0.2	2	-1	2.31	8	1.22	0.28	68	-1	5	-1	11
40627	EL2789	Charleston	702700	6310000	AGD_84		CSOIL	1.3	Genalysis	483.0/0107286	0.2		0.2	-2	-1	0.61	8	1.43	0.27	106	1	5	-1	13
40626	EL2789	Charleston	701900	6310000	AGD_84		SOIL	2	Genalysis	483.0/0107286	0.3		0.2	-2	-1	0.44	4	1.04	0.23	56	2	3	-1	7
40625	EL2789	Charleston	701100	6310000	AGD_84		SOIL	2.1	Genalysis	483.0/0107286	0.5		-0.1	-2	-1	0.43	4	0.91	0.2	38	2	3	-1	7
40624	EL2789	Charleston	700300	6310000	AGD_84		SOIL	1	Genalysis	483.0/0107286	0.5		0.2	-2	-1	0.22	8	1.7	0.25	176	1	8	-1	15
40623	EL2789	Charleston	699500	6310000	AGD_84		CSOIL	2	Genalysis	483.0/0107286	0.8		-0.1	-2	-1	3.25	4	0.47	0.34	21	1	-2	-1	3
40622	EL2789	Charleston	698700	6310000	AGD_84		SOIL	3.5	Genalysis	483.0/0107286	0.2		-0.1	-2	-1	0.1	2	0.61	0.06	28	2	-2	-1	3
40621	EL2789	Charleston	697900	6310000	AGD_84		CSOIL	2	Genalysis	483.0/0107286	0.7		0.2	3	-1	2.6	4	0.7	0.2	35	1	3	-1	6
40620	EL2789	Charleston	697100	6310000	AGD_84		CSOIL	2	Genalysis	483.0/0107286	0.3		0.1	-2	-1	0.81	4	0.73	0.12	31	1	3	-1	5
40619	EL2789	Charleston	696300	6310000	AGD_84		CSOIL	1.9	Genalysis	483.0/0107286	0.6		0.1	2	-1	2.4	8	1.4	0.44	58	1	5	-1	13
40618	EL2789	Charleston	695500	6310000	AGD_84		NOD	0.9	Genalysis	483.0/0107286	1.3		-0.1	-2	-1	10.13	10	1.15	0.61	82	-1	5	-1	11
40683	EL2789	Charleston	694700	6310000	AGD_84		CSOIL	1	Genalysis	483.0/0107643	2		-0.1	3	-1	5.65	10	1.12	0.6	80	-1	5	-1	16
40684	EL2789	Charleston	693900	6310000	AGD_84		SOIL	1.5	Genalysis	483.0/0107643	0.5		-0.1	-2	-1	0.47	3	0.94	0.19	40	2	4	-1	12
40685	EL2789	Charleston	693100	6310000	AGD_84		CSOIL	1.5	Genalysis	483.0/0107643	1.2		-0.1	3	-1	5.51	10	1.19	1.23	70	-1	5	-1	14

Sample_No	EL_No	EL_Name	AMG_E	AMG_N	Datum	Duplicate_S/N	Sample_Type	Sample_Depth_(m)	Lab	LabJobNo	Au	Au-Rp1	Ag	As	Bi	Ca	Cu	Fe	Mg	Mn	Mo	Pb	Sb	Zn
											ppb	ppb	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
											0.1	0.1	0.1	2	1	0.01	1	0.01	0.01	1	1	2	1	1
40686	EL2789	Charleston	692300	6310000	AGD_84		MASS	0.2	Genalysis	483.0/0107643	2.3		-0.1	19	-1	24.45	14	0.8	1.17	121	2	4	2	16
40687	EL2789	Charleston	691500	6310000	AGD_84		MASS	0.2	Genalysis	483.0/0107643	2.5		-0.1	20	-1	26.04	22	0.68	0.9	145	1	3	-1	21
40688	EL2789	Charleston	690700	6310000	AGD_84		MASS	0.2	Genalysis	483.0/0107643	1.3		-0.1	18	-1	19	16	0.77	0.72	245	2	7	2	13
40689	EL2789	Charleston	689900	6310000	AGD_84		CSOIL	1	Genalysis	483.0/0107643	1		-0.1	2	-1	2.28	9	1.55	0.8	100	2	6	-1	19
40605	EL2789	Charleston	704700	6310800	AGD_84		CSOIL	1	Genalysis	483.0/0107286	0.4		-0.1	-2	-1	4.65	3	0.15	0.07	17	-1	-2	-1	-1
40606	EL2789	Charleston	703900	6310800	AGD_84		CSOIL	1.3	Genalysis	483.0/0107286	1		-0.1	-2	-1	4.95	9	1.04	0.17	152	-1	4	-1	13
40607	EL2789	Charleston	703100	6310800	AGD_84		CSOIL	1.8	Genalysis	483.0/0107286	1.3		-0.1	2	-1	3.11	6	1.4	0.31	58	2	5	-1	12
40609	EL2789	Charleston	702300	6310800	AGD_84		CSOIL	1.5	Genalysis	483.0/0107286	1.2		0.1	2	-1	4.14	9	1.26	0.48	71	2	4	-1	13
40610	EL2789	Charleston	701500	6310800	AGD_84		CSOIL	1.7	Genalysis	483.0/0107286	1.4		0.3	4	-1	2.47	12	1.97	0.36	87	-1	11	-1	18
40611	EL2789	Charleston	700700	6310800	AGD_84		CSOIL	3.5	Genalysis	483.0/0107286	0.3		-0.1	-2	-1	0.28	3	0.61	0.12	27	1	-2	-1	4
40612	EL2789	Charleston	699900	6310800	AGD_84		CSOIL	1.6	Genalysis	483.0/0107286	1.3		-0.1	-2	-1	5.17	10	1.25	0.71	87	-1	4	-1	13
40613	EL2789	Charleston	699100	6310800	AGD_84		CSOIL	1.5	Genalysis	483.0/0107286	0.5		0.2	-2	-1	0.55	4	0.88	0.21	33	2	3	-1	8
40614	EL2789	Charleston	698300	6310800	AGD_84		CSOIL	1.5	Genalysis	483.0/0107286	0.5		0.1	3	-1	0.81	5	1.18	0.29	49	2	4	1	10
40615	EL2789	Charleston	697500	6310800	AGD_84		CSOIL	1.8	Genalysis	483.0/0107286	1.2		-0.1	2	-1	1.89	6	1.06	0.24	35	-1	4	-1	9
40616	EL2789	Charleston	696700	6310800	AGD_84		CSOIL	1.3	Genalysis	483.0/0107286	0.3		0.2	2	-1	1.08	5	0.88	0.18	52	2	3	-1	7
40617	EL2789	Charleston	695900	6310800	AGD_84		SOIL	3.5	Genalysis	483.0/0107286	0.2		-0.1	-2	-1	0.27	3	0.61	0.07	28	2	-2	-1	5
40654	EL2789	Charleston	695100	6310800	AGD_84		NOD	0.3	Genalysis	483.0/0107286	0.9		0.3	-2	-1	13.03	10	0.68	0.83	141	-1	4	-1	7
40655	EL2789	Charleston	694300	6310800	AGD_84		CSOIL	2.1	Genalysis	483.0/0107286	0.9		-0.1	-2	-1	1.82	5	1.06	0.31	39	1	4	-1	9
40656	EL2789	Charleston	693500	6310800	AGD_84		NOD	0.9	Genalysis	483.0/0107286	1.8		-0.1	-2	-1	6.35	10	1.36	0.79	91	1	7	-1	13
40657	EL2789	Charleston	692700	6310800	AGD_84		NOD	0.2	Genalysis	483.0/0107286	2.5		-0.1	4	-1	19.82	17	0.76	1.08	59	2	2	-1	8
40658	EL2789	Charleston	691900	6310800	AGD_84		CSOIL	0.8	Genalysis	483.0/0107286	1.2		-0.1	3	-1	0.69	8	4.4	0.32	105	2	9	-1	15
40574	EL2789	Charleston	691100	6310800	AGD_84		CSOIL	0.5	Genalysis	483.0/0107286	0.4		0.2	3	-1	0.54	10	1.52	0.34	137	-1	7	-1	16
40573	EL2789	Charleston	690300	6310800	AGD_84		NOD	0.3	Genalysis	483.0/0107286	3.2		-0.1	2	-1	20.53	17	0.47	1.5	78	2	-2	2	5
40572	EL2789	Charleston	689500	6310800	AGD_84		CSOIL	0.6	Genalysis	483.0/0107286	1.7		-0.1	2	-1	3.28	15	2	0.58	153	1	8	-1	26
40571	EL2789	Charleston	692000	6311550	AGD_84		CSOIL	0.6	Genalysis	483.0/0107286	0.8		-0.1	-2	-1	1.02	9	1.44	0.31	61	-1	5	-1	14
40604	EL2789	Charleston	704300	6311600	AGD_84		CSOIL	1	Genalysis	483.0/0107286	0.8		-0.1	-2	-1	5.38	8	0.72	0.1	92	-1	3	-1	8
40603	EL2789	Charleston	703500	6311600	AGD_84		CSOIL	1	Genalysis	483.0/0107286	0.9		-0.1	-2	-1	5.31	9	0.83	0.19	68	-1	3	1	15
40602	EL2789	Charleston	702700	6311600	AGD_84		CSOIL	1.5	Genalysis	483.0/0107286	1.4		-0.1	3	-1	4.15	10	1.65	0.45	101	-1	7	-1	16
40601	EL2789	Charleston	701900	6311600	AGD_84		NOD	0.9	Genalysis	483.0/0107286	1.4		-0.1	-2	-1	9.92	10	1.3	0.68	99	-1	6	-1	13
40600	EL2789	Charleston	701100	6311600	AGD_84		CSOIL	1.6	Genalysis	483.0/0107286	1.2		0.2	3	-1	1.82	9	1.97	0.32	100	1	10	-1	17
40599	EL2789	Charleston	700300	6311600	AGD_84		SOIL	1	Genalysis	483.0/0107286	0.4		0.2	-2	-1	0.14	3	0.87	0.07	43	3	3	-1	4
40598	EL2789	Charleston	699500	6311600	AGD_84		CSOIL	1	Genalysis	483.0/0107286	0.7		0.1	3	-1	1.89	7	1.26	0.39	64	-1	4	-1	12
40596	EL2789	Charleston	698700	6311600	AGD_84		CSOIL	1.8	Genalysis	483.0/0107286	0.4		-0.1	2	-1	0.78	6	1.14	0.25	55	-1	4	-1	11
40597	EL2789	Charleston	698700	6311600	AGD_84	40596			Genalysis	483.0/0107286	0.4		0.2	2	-1	0.8	6	1.24	0.27	61	1	4	-1	12
40595	EL2789	Charleston	697900	6311600	AGD_84		CSOIL	1	Genalysis	483.0/0107286	0.7		0.1	-2	-1	1.45	9	1.41	0.45	114	2	5	-1	14
40594	EL2789	Charleston	697100	6311600	AGD_84		SOIL	2.2	Genalysis	483.0/0107286	0.7		0.1	2	-1	0.16	7	1.7	0.28	60	2	6	-1	16
40663	EL2789	Charleston	696300	6311600	AGD_84		NOD	0.3	Genalysis	483.0/0107286	1.2		-0.1	-2	-1	11.02	8	0.73	0.55	101	2	3	-1	6
40662	EL2789	Charleston	695500	6311600	AGD_84		CSOIL	0.8	Genalysis	483.0/0107286	0.4		-0.1	-2	-1	0.8	5	0.81	0.12	54	2	4	-1	11
40661	EL2789	Charleston	694700	6311600	AGD_84		NOD	0.1	Genalysis	483.0/0107286	0.8		-0.1	4	-1	22.06	14	0.56	0.87	110	1	3	-1	6
40660	EL2789	Charleston	693900	6311600	AGD_84		CSOIL	2	Genalysis	483.0/0107286	0.6		-0.1	-2	-1	0.72	7	1.48	0.38	61	2	4	-1	14
40659	EL2789	Charleston	693100	6311600	AGD_84		CSOIL	0.9	Genalysis	483.0/0107286	1.2		-0.1	-2	-1	0.93	8	1.44	0.28	61	1	5	-1	16
40570	EL2789	Charleston	691500	6311600	AGD_84		MASS	0.6	Genalysis	483.0/0107286	2.1		-0.1	3	-1	15.85	18	1.21	2.31	118	1	4	2	12
40569	EL2789	Charleston	690700	6311600	AGD_84		NOD	0.2	Genalysis	483.0/0107286	3.3		-0.1	3	-1	24.11	20	0.65	1.28	92	1	3	2	7
40568	EL2789	Charleston	689900	6311600	AGD_84		NOD	0.4	Genalysis	483.0/0107286	1.5		-0.1	3	-1	19.76	14	0.71	0.82	254	1	4	-1	8
40580	EL2789	Charleston	702955	6312350	AGD_84		CSOIL	2.1	Genalysis	483.0/0107286	0.7		-0.1	-2	-1	0.63	7	1.02	0.14	46	1	4	-1	10

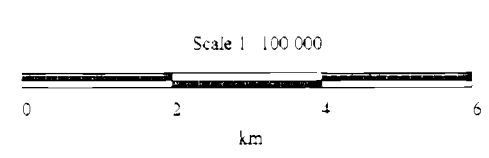
Sample_No	EL_No	EL_Name	AMG_E	AMG_N	Datum	Duplicate_S/N	Sample_Type	Sample_Depth_(m)	Lab	LabJobNo	Au	Au-Rp1	Ag	As	Bi	Ca	Cu	Fe	Mg	Mn	Mo	Pb	Sb	Zn
											ppb	ppb	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
											0.1	0.1	0.1	2	1	0.01	1	0.01	0.01	1	1	2	1	1
40578	EL2789	Charleston	704600	6312400	AGD_84		CSOIL	2	Genalysis	483.0/0107286	0.3		-0.1	-2	-1	0.98	3	0.81	0.08	46	3	-2	-1	5
40579	EL2789	Charleston	703800	6312400	AGD_84		CSOIL	2	Genalysis	483.0/0107286	0.8		-0.1	-2	-1	3.14	10	1.02	0.11	76	2	4	-1	13
40587	EL2789	Charleston	702200	6312400	AGD_84		CSOIL	1.2	Genalysis	483.0/0107286	2.5		-0.1	3	-1	5.12	13	1.76	0.49	89	-1	11	-1	17
40588	EL2789	Charleston	701400	6312400	AGD_84		CSOIL	1.6	Genalysis	483.0/0107286	1		-0.1	2	-1	2.15	9	1.65	0.43	89	-1	6	-1	16
40589	EL2789	Charleston	700600	6312400	AGD_84		CSOIL	1.3	Genalysis	483.0/0107286	1		-0.1	-2	-1	2.25	7	1.2	0.29	64	1	5	-1	11
40590	EL2789	Charleston	699800	6312400	AGD_84		CSOIL	1.8	Genalysis	483.0/0107286	0.8		-0.1	-2	-1	3.03	6	0.96	0.36	33	-1	3	-1	7
40591	EL2789	Charleston	699000	6312400	AGD_84		CSOIL	1.5	Genalysis	483.0/0107286	0.6		-0.1	2	-1	2.12	6	1.36	0.37	56	2	5	-1	12
40592	EL2789	Charleston	698200	6312400	AGD_84		CSOIL	1	Genalysis	483.0/0107286	0.3		-0.1	-2	-1	0.44	3	0.67	0.07	37	3	-2	-1	3
40593	EL2789	Charleston	697400	6312400	AGD_84		CSOIL	1.8	Genalysis	483.0/0107286	0.9		-0.1	3	-1	0.34	8	1.44	0.23	136	1	6	-1	14
40561	EL2789	Charleston	693500	6312400	AGD_84		MASS	0.6	Genalysis	483.0/0107286	4		-0.1	-2	-1	10.81	14	1.53	0.97	80	-1	6	-1	17
40562	EL2789	Charleston	692700	6312400	AGD_84		NOD	0.5	Genalysis	483.0/0107286	1.4		-0.1	2	-1	24.68	17	0.48	0.68	135	1	-2	2	8
40563	EL2789	Charleston	691900	6312400	AGD_84		NOD	0.3	Genalysis	483.0/0107286	1.1		-0.1	4	-1	28.69	14	0.45	0.7	155	2	-2	1	6
40565	EL2789	Charleston	691100	6312400	AGD_84		NOD	0.3	Genalysis	483.0/0107286	2.4		-0.1	5	-1	20.89	19	1.2	0.9	124	1	5	2	12
40566	EL2789	Charleston	690300	6312400	AGD_84		NOD	0.5	Genalysis	483.0/0107286	1.3		-0.1	-2	-1	14.78	15	1.05	1.22	202	-1	4	-1	14
40567	EL2789	Charleston	689500	6312400	AGD_84		MASS	0.7	Genalysis	483.0/0107286	1.2		-0.1	-2	-1	12.5	14	1.31	0.65	148	-1	5	-1	18
40577	EL2789	Charleston	704200	6313200	AGD_84		CSOIL	1.8	Genalysis	483.0/0107286	0.7		-0.1	2	-1	0.88	6	1.24	0.15	74	-1	4	-1	11
40576	EL2789	Charleston	703400	6313200	AGD_84		CSOIL	2	Genalysis	483.0/0107286	0.7		-0.1	-2	1	3.9	9	0.62	0.19	175	-1	4	-1	14
40575	EL2789	Charleston	702600	6313200	AGD_84		CSOIL	1.3	Genalysis	483.0/0107286	0.6		-0.1	2	-1	0.81	17	2.24	0.33	115	-1	9	-1	27
40582	EL2789	Charleston	701800	6313200	AGD_84		SOIL	2	Genalysis	483.0/0107286	0.4		-0.1	2	-1	0.37	11	1.93	0.17	87	2	7	-1	18
40583	EL2789	Charleston	701000	6313200	AGD_84		NOD	1.8	Genalysis	483.0/0107286	1.6		-0.1	3	-1	6.09	10	1.77	0.54	84	-1	7	-1	16
40584	EL2789	Charleston	700200	6313200	AGD_84		NOD	1	Genalysis	483.0/0107286	1.6		-0.1	-2	-1	6.59	12	1.6	0.64	107	-1	9	-1	16
40585	EL2789	Charleston	699400	6313200	AGD_84		NOD	1.8	Genalysis	483.0/0107286	2		-0.1	2	-1	9.09	11	1.48	0.6	79	-1	5	-1	11
40586	EL2789	Charleston	698600	6313200	AGD_84		CSOIL	1.2	Genalysis	483.0/0107286	1.3		-0.1	-2	-1	2.7	7	1.05	0.42	46	-1	3	-1	10
40560	EL2789	Charleston	693900	6313200	AGD_84		NOD	0.2	Genalysis	483.0/0107286	3		-0.1	3	-1	23.98	19	0.41	1.47	60	1	2	2	4
40559	EL2789	Charleston	693100	6313200	AGD_84		NOD	0.3	Genalysis	483.0/0107286	1		-0.1	3	-1	18.64	11	0.9	1.67	110	1	3	-1	10
40558	EL2789	Charleston	692300	6313200	AGD_84		MASS	0.3	Genalysis	483.0/0107286	0.9		-0.1	5	-1	25.85	15	0.97	0.87	222	2	4	1	12
40557	EL2789	Charleston	691500	6313200	AGD_84		NOD	0.3	Genalysis	483.0/0107286	0.9		-0.1	5	-1	25.11	15	0.74	0.89	114	1	4	2	9
40556	EL2789	Charleston	690700	6313200	AGD_84		MASS	0.1	Genalysis	483.0/0107286	1.5		-0.1	3	-1	15.23	11	0.51	0.8	73	-1	2	1	5
40555	EL2789	Charleston	689900	6313200	AGD_84		NOD	0.4	Genalysis	483.0/0107286	2.6		-0.1	2	-1	18.44	10	0.82	0.72	97	1	3	2	8
40551	EL2789	Charleston	690787	6313895	AGD_84		NOD	0.3	Genalysis	483.0/0107286	0.9		-0.1	5	-1	17.24	11	0.67	0.52	280	1	5	2	8
40548	EL2789	Charleston	693500	6314000	AGD_84		NOD	0.4	Genalysis	483.0/0107286	2.2		-0.1	6	-1	24.8	25	0.59	1.09	64	2	3	1	9
40553	EL2789	Charleston	693500	6314000	AGD_84	40548			Genalysis	483.0/0107286	2.1		-0.1	4	-1	24.42	23	0.57	1.05	69	1	3	1	8
40549	EL2789	Charleston	692700	6314000	AGD_84		NOD	0.3	Genalysis	483.0/0107286	1.8		-0.1	3	-1	26.49	17	0.77	0.53	358	2	3	2	16
40550	EL2789	Charleston	691900	6314000	AGD_84		MASS	0.6	Genalysis	483.0/0107286	2.4		-0.1	-2	-1	13.77	18	1.05	1.84	157	-1	4	-1	18
40552	EL2789	Charleston	690300	6314000	AGD_84		NOD	0.3	Genalysis	483.0/0107286	3.9		-0.1	5	-1	25.94	17	0.51	0.76	103	2	-2	2	5
40554	EL2789	Charleston	689500	6314000	AGD_84		NOD	0.3	Genalysis	483.0/0107286	2.3		-0.1	4	-1	25.13	12	0.49	0.6	101	1	-2	2	5
40547	EL2789	Charleston	693100	6314800	AGD_84		MASS	0.2	Genalysis	483.0/0107286	3.4		-0.1	2	-1	21.42	17	0.54	0.88	71	1	-2	-1	8
40546	EL2789	Charleston	692300	6314800	AGD_84		MASS	0.4	Genalysis	483.0/0107286	1.6		-0.1	3	-1	24.88	20	0.77	0.54	230	1	-2	-1	15
40545	EL2789	Charleston	691500	6314800	AGD_84		CSOIL	0.6	Genalysis	483.0/0107286	1		-0.1	-2	-1	0.95	10	1.19	0.45	92	-1	4	-1	13
40544	EL2789	Charleston	690700	6314800	AGD_84		NOD	0.5	Genalysis	483.0/0107286	0.4		-0.1	-2	-1	5.19	8	0.62	0.34	145	-1	3	-1	5
40543	EL2789	Charleston	689900	6314800	AGD_84		NOD	0.5	Genalysis	483.0/0107286	0.8		-0.1	4	-1	20.65	12	0.7	0.87	194	1	4	-1	9
40537	EL2789	Charleston	693500	6315600	AGD_84		NOD	0.2	Genalysis	483.0/0107286	1.1		-0.1	3	-1	21.15	18	0.83	0.58	178	1	3	1	16
40538	EL2789	Charleston	692700	6315600	AGD_84		MASS	0.1	Genalysis	483.0/0107286	1.4		-0.1	3	-1	22.61	21	0.59	1	112	2	2	1	13
40539	EL2789	Charleston	691900	6315600	AGD_84		MASS	0.1	Genalysis	483.0/0107286	1.9		-0.1	4	-1	22.1	19	0.38	0.59	64	1	-2	-1	7
40540	EL2789	Charleston	691100	6315600	AGD_84		NOD	0.5	Genalysis	483.0/0107286	2.1		-0.1	2	-1	17.19	11	0.66	0.5	102	-1	3	-1	8

Sample_No	EL_No	EL_Name	AMG_E	AMG_N	Datum	Duplicate_S/N	Sample_Type	Sample_Depth_(m)	Lab	LabJobNo	Au	Au-Rp1	Ag	As	Bi	Ca	Cu	Fe	Mg	Mn	Mo	Pb	Sb	Zn
											ppb	ppb	ppm	ppm	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	ppm
											0.1	0.1	0.1	2	1	0.01	1	0.01	0.01	1	1	2	1	1
40541	EL2789	Charleston	690300	6315600	AGD_84		MASS	0.2	Genalysis	483.0/0107286	5.2	3	-0.1	3	-1	21.59	18	0.64	0.89	67	-1	-2	-1	7
40542	EL2789	Charleston	689500	6315600	AGD_84		NOD	0.4	Genalysis	483.0/0107286	2.1		-0.1	3	-1	22.91	10	0.52	0.55	172	1	-2	-1	6
40536	EL2789	Charleston	693900	6316400	AGD_84		CSOIL	0.8	Genalysis	483.0/0107286	0.2		-0.1	-2	-1	1.27	7	1.15	0.2	186	-1	4	-1	16
40535	EL2789	Charleston	693100	6316400	AGD_84		NOD	0.3	Genalysis	483.0/0107286	0.6		-0.1	4	-1	27.45	21	0.77	0.53	481	1	4	1	22
40534	EL2789	Charleston	692300	6316400	AGD_84		NOD	0.4	Genalysis	483.0/0107286	1.6		-0.1	3	-1	19.87	17	0.83	0.76	154	1	3	-1	15
40533	EL2789	Charleston	691500	6316400	AGD_84		CSOIL	0.7	Genalysis	483.0/0107286	0.7		-0.1	-2	-1	3.64	19	2.06	0.4	231	-1	8	-1	38
40532	EL2789	Charleston	690700	6316400	AGD_84		NOD	0.5	Genalysis	483.0/0107286	3.3		-0.1	6	-1	24.16	20	0.72	1.02	131	1	3	-1	10
40531	EL2789	Charleston	690020	6316408	AGD_84		NOD	0.7	Genalysis	483.0/0107286	0.9		-0.1	-2	-1	6.61	10	7.52	0.34	220	-1	8	-1	17
40528	EL2789	Charleston	690286	6317156	AGD_84		MASS	0.5	Genalysis	483.0/0107286	0.8		-0.1	-2	-1	11.56	9	0.78	0.22	271	-1	-2	-1	14
40524	EL2789	Charleston	693500	6317200	AGD_84		MASS	0.2	Genalysis	483.0/0107286	2.8		-0.1	5	-1	22.29	19	0.49	0.72	71	2	-2	-1	8
40525	EL2789	Charleston	692700	6317200	AGD_84		CSOIL	0.5	Genalysis	483.0/0107286	2.1		-0.1	2	-1	0.78	18	2.77	0.51	250	-1	10	-1	36
40526	EL2789	Charleston	691900	6317200	AGD_84		NOD	0.3	Genalysis	483.0/0107286	1.9		-0.1	4	-1	25.52	21	0.73	0.96	238	2	6	-1	16
40527	EL2789	Charleston	691100	6317200	AGD_84		NOD	0.2	Genalysis	483.0/0107286	1.8		-0.1	2	-1	19.75	14	0.98	0.9	154	2	4	1	16
40529	EL2789	Charleston	689500	6317200	AGD_84	40530			Genalysis	483.0/0107286	1.1		-0.1	3	-1	21.77	12	3.25	1.79	339	2	5	1	18
40530	EL2789	Charleston	689500	6317200	AGD_84		NOD	0.3	Genalysis	483.0/0107286	1.2		-0.1	-2	-1	19.52	13	5.68	1.39	464	-1	7	-1	18

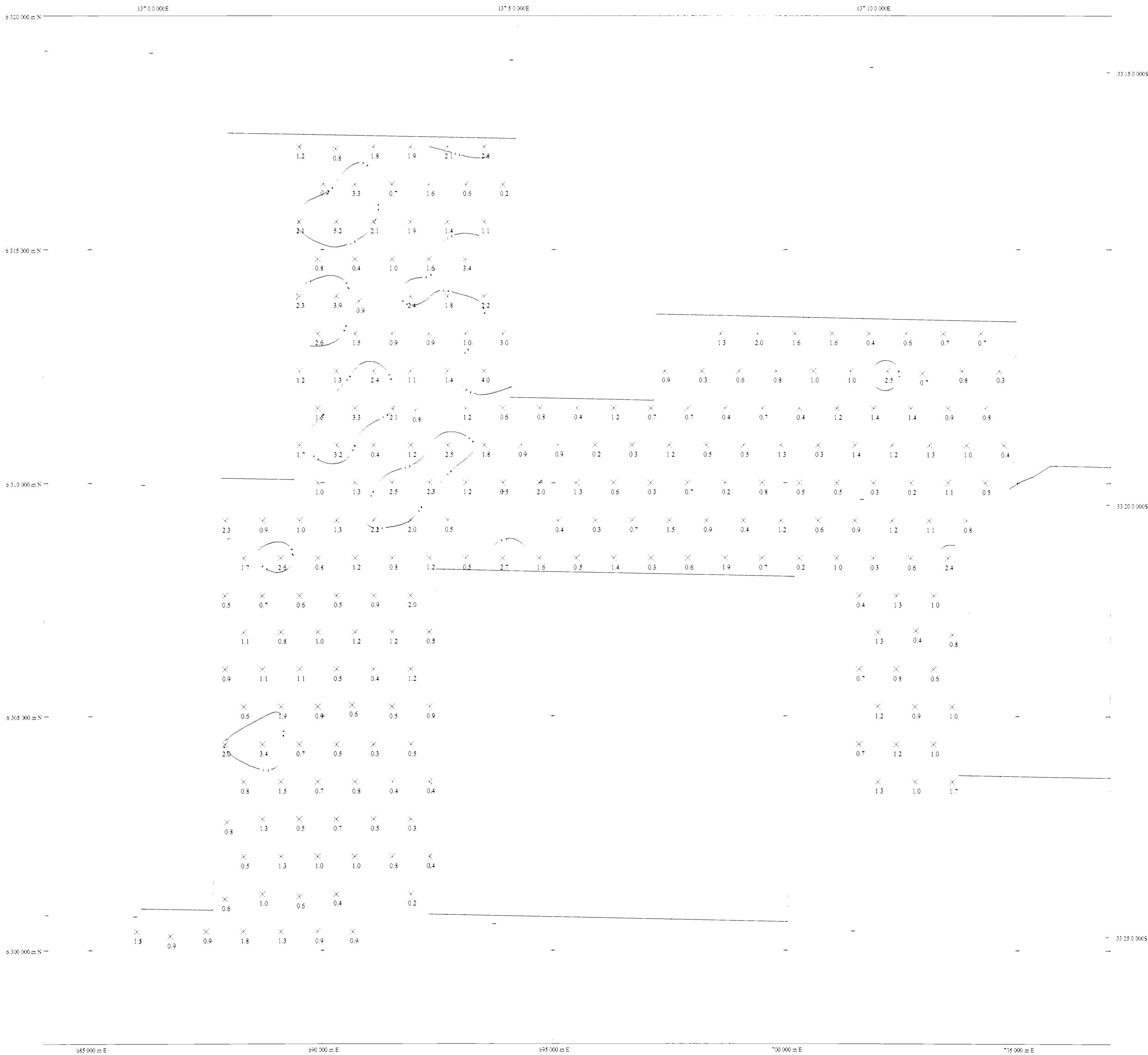




X	Sample Location
0.6	Assay Result - Au (ppb)
---	Tenement Boundary



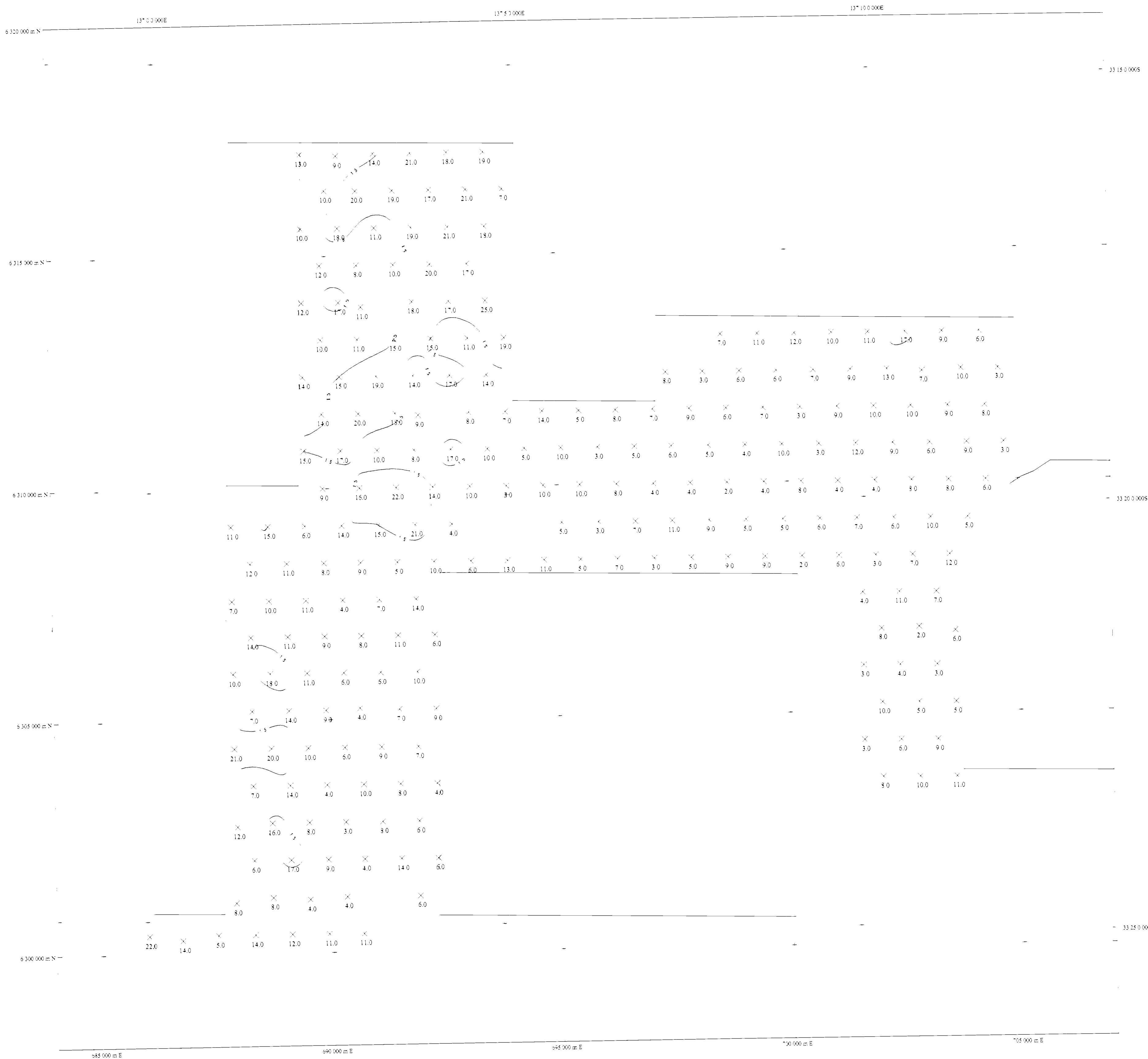
HELIX RESOURCES LIMITED	
EL 2789	
CHARLESTON	
Historical Data Calcrete Sample Location & Au (ppb) Result	
Author: rava	Ref:
Drawn:	
Date: 25-Aug-2002	Report No:
Scale 1: 100 000	Plan No: Figure 3



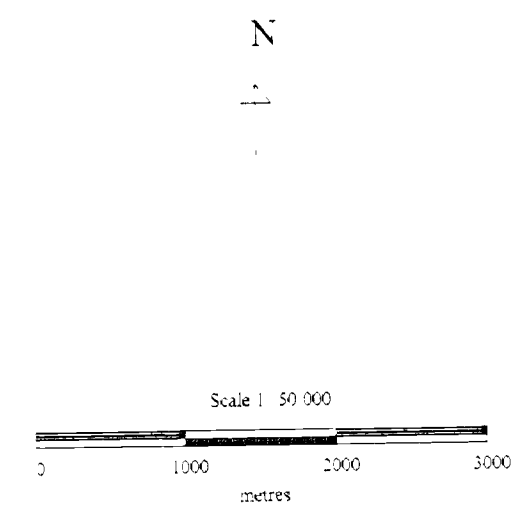
X Sample Location
2.4 Assay Result Au (ppb)
— 2.0 — Au (ppb) Contour
--- Tenement Boundary

Scale 1: 50 000
0 1000 2000 3000
metres

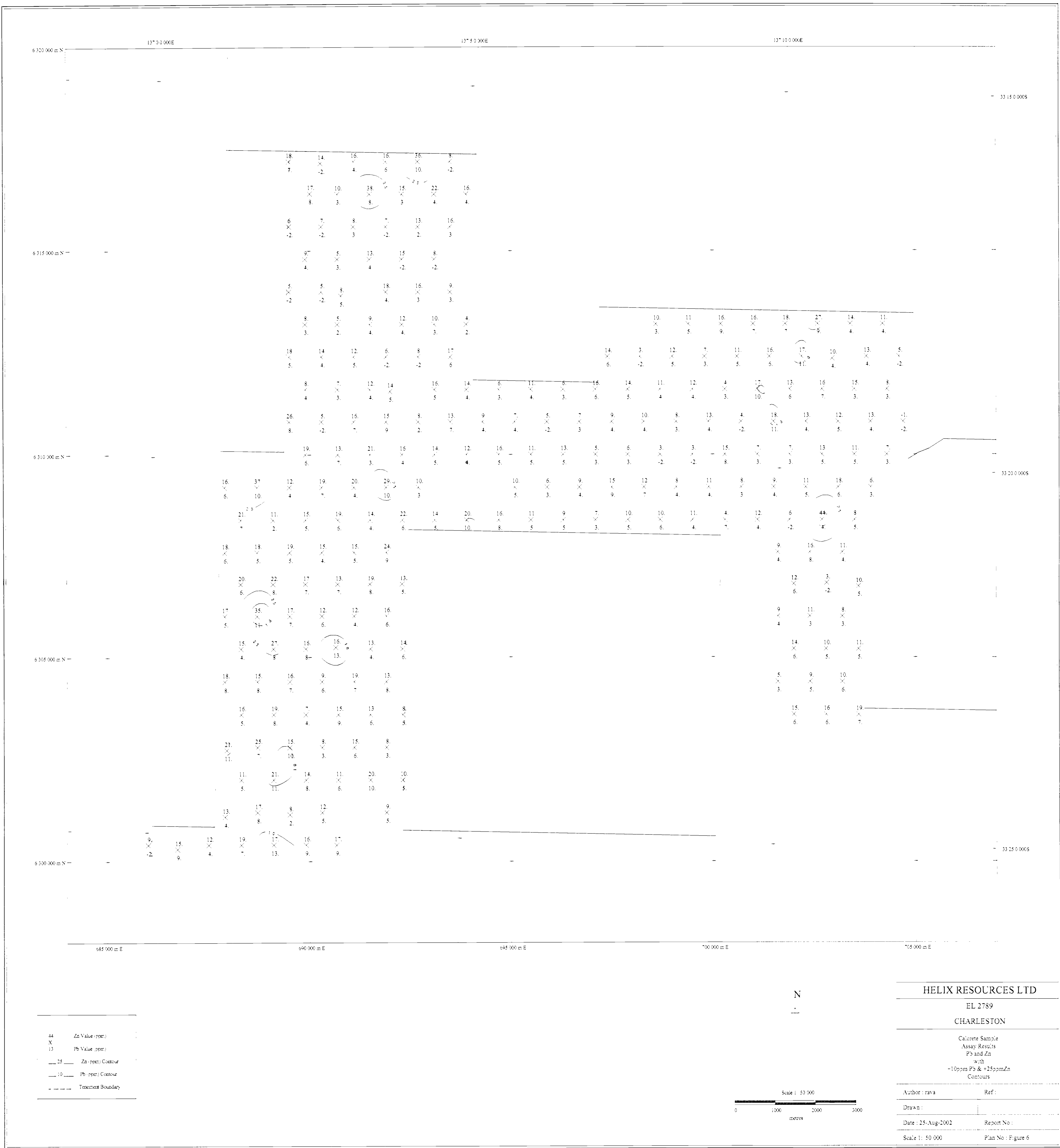
HELIX RESOURCES LTD	
EL 2789	
CHARLESTON	
Calcrete Sample Assay Result Au (ppb) & +2ppbAu Contour	
Author : rava	Ref :
Drawn :	
Date : 25-Aug-2002	Report No :
Scale 1: 50 000	Plan No : Figure 4



X Sample Location
20 Assay Result Cu (ppm)
15 Cu (ppm) Contour
Trenchment Boundary



HELIX RESOURCES LTD	
EL 2789	
CHARLESTON	
Concrete Sample Assay Result Cu (ppm) & 15ppm Cu Contour	
Author: rava	Ref:
Drawn:	
Date: 25-Aug-2002	Report No:
Scale 1: 50 000	Plan No: Figure 5



44 Zn Value (ppm)
35 Pb Value (ppm)
25 Zn (ppm) Contour
10 Pb (ppm) Contour
----- Tembec Boundary

Scale 1: 50 000
0 1000 2000 3000
metres

HELIX RESOURCES LTD	
EL 2789	
CHARLESTON	
Calcrete Sample Assay Results Pb and Zn with +10ppm Pb & +25ppm Zn Contours	
Author : rava	Ref :
Drawn :	
Date : 25-Aug-2002	Report No :
Scale 1: 50 000	Plan No : Figure 6