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EL 3473

YALANDA HILL

PACE INITIATIVE : THEME 2, YEAR 4

**DRILLING PARTNERSHIP – ETHIOPIA RADIOMETRIC
TARGET PROTEROZOIC BASEMENT URANIUM
PROSPECT**

PROJECT FINAL REPORT

Submitted by
Adelaide Resources Ltd
2007

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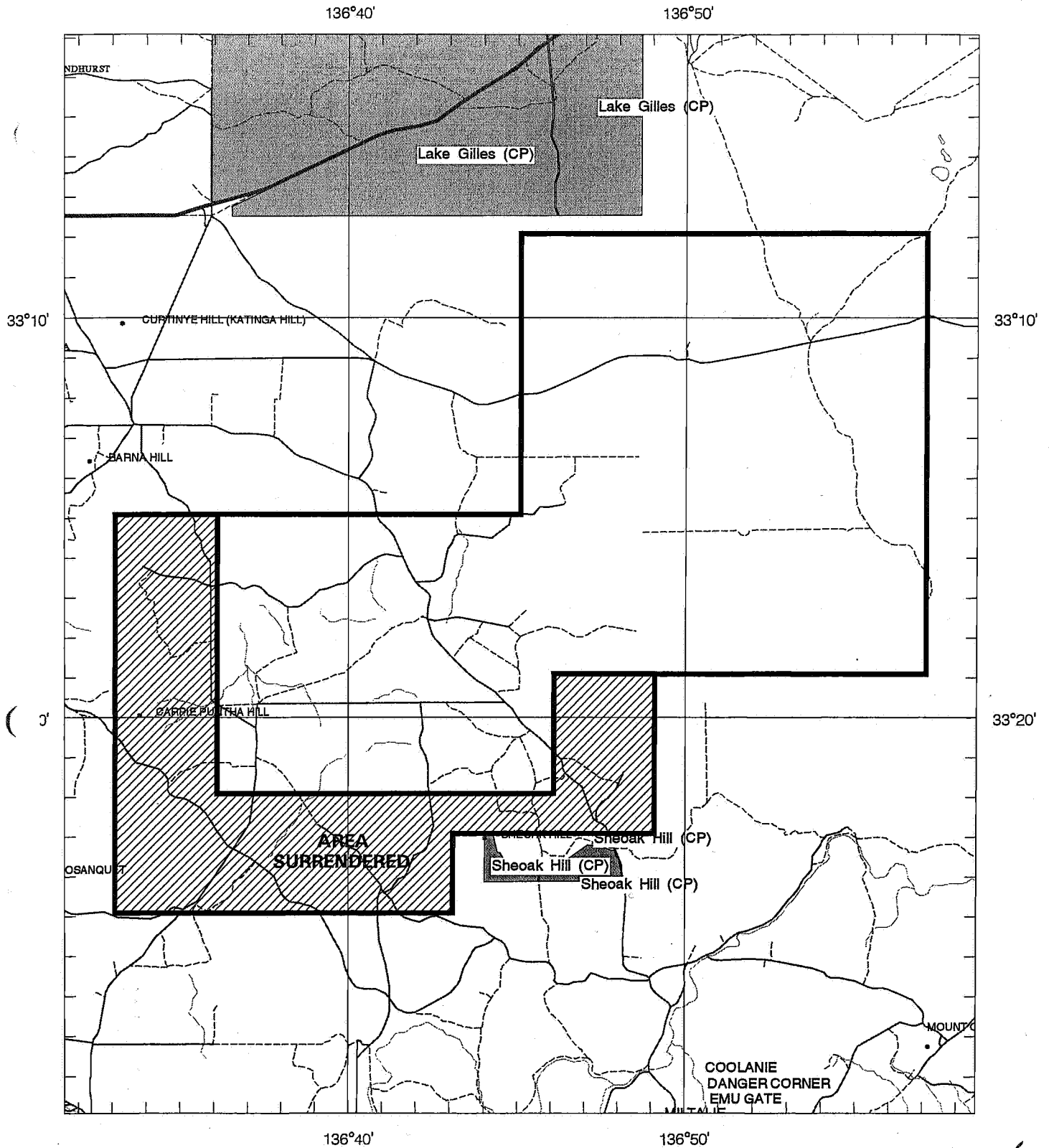
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Government of South Australia
Primary Industries and Resources SA

SCHEDULE A



SCALE 1: 250 000
 KILOMETRES 5 0 5 10 15 20 25 KILOMETRES
 LICENCE GRANTED IN : DATUM AGD66



APPLICANT : EYRE ENERGY LTD

FILE REF : 250/05

TYPE : MINERAL ONLY

AREA : 568 km² (approx.)

1:250000 MAPSHEETS : WHYALLA

LOCALITY : YALANDA HILL AREA - Approximately 90 km southwest of Whyalla

DATE GRANTED : 05-Dec-2005

DATE EXPIRED : 04-Dec-2007

EL NO : 3473

Adelaide Resources Limited

ACN 061 503 375

Plan for Accelerating Exploration (PACE): Drilling collaboration between PIRSA and Industry

Round 4 - 2007

FINAL DRILLING PROJECT REPORT

**ETHIOPIA Uranium Target
Yalanda Hill, EL 3473
EYRE PENINSULA
South Australia**

Compiled by: Tanya Badenhorst
Adelaide Resources Limited

Report No: AR2007/16
Date: November 2007

Distribution (1 hard copy and 1 digital copy on CD):
Adelaide Resources Limited
PIRSA

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1. SUMMARY

Adelaide Resources Limited made application for Year 4 Pace funding in 2006 (Project DPY4-33) to drill for Uranium, following the identification of an anomaly due to the reprocessing of data generated by an earlier airborne geophysical survey of the region. This PACE application was successful and drilling of the geophysical anomaly was undertaken during March 2007.

Exploration Licence 3473 “Yalanda Hill” is located on the eastern Eyre Peninsula, South Australia (Figure 1). Yalanda Hill is located between the towns of Kimba and Cowell, approximately 90km south west of Whyalla. The Ethiopia target area does not lie within any areas of conservation or parkland.

The Ethiopia target lies within folded and metamorphosed Hutchison Group metasediments and older basement gneisses, including the Miltalie Gneiss. The areal extent of the uranium anomaly is 2.5km x 1.2km, trending north south (Figure 2). The anomaly has both uranium and thorium signatures, with follow up sampling returning XRF values up to 36ppm U and 220ppm Th.

The Ethiopia target is located on predominantly cleared cropping land, therefore access to the sites was straightforward along council and farm roads, and across open paddocks.

Between 8 March 2007 and 12 March 2007 a total of 41 RAB holes were drilled on five east-west traverses. The two main purposes of the RAB drilling were to;

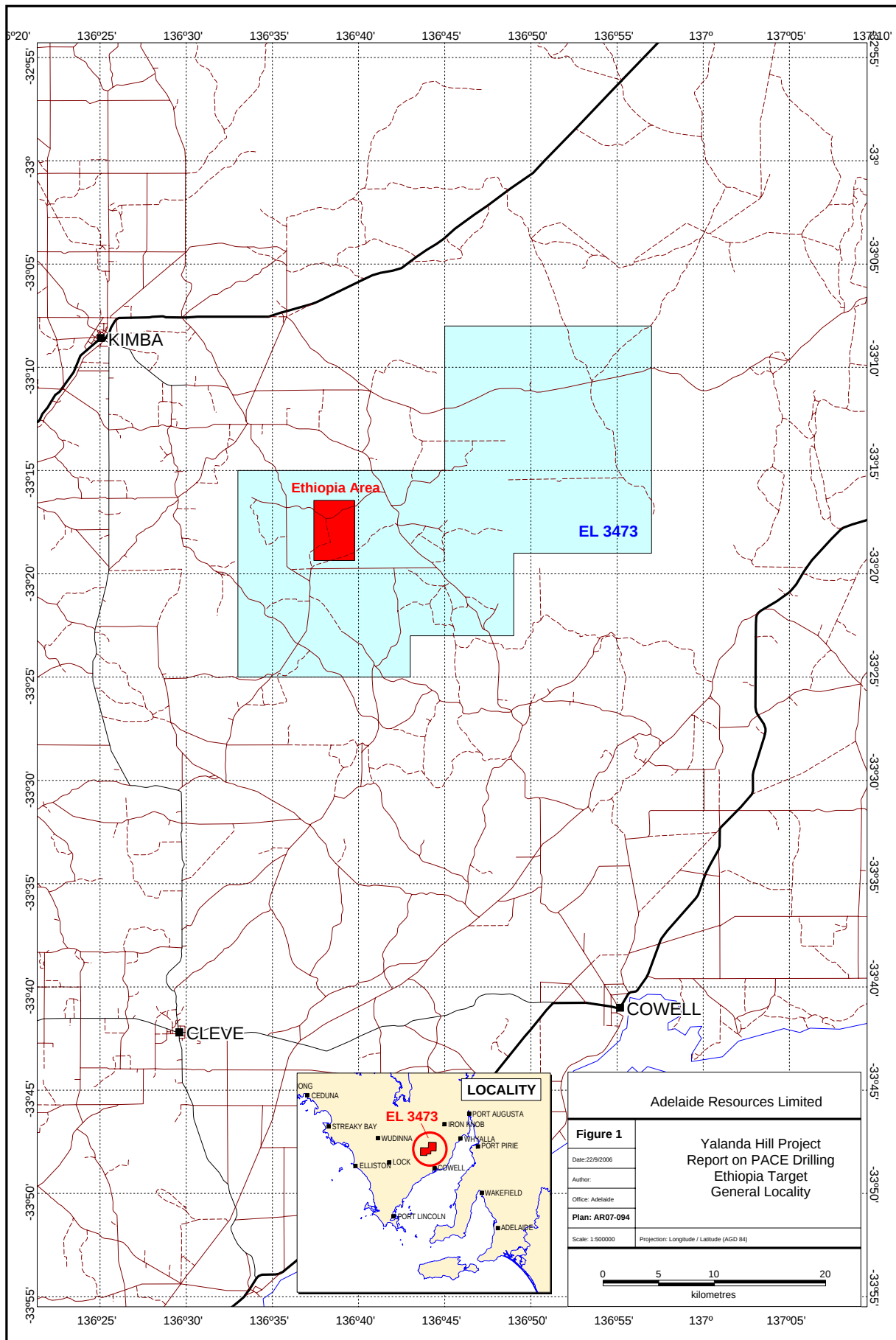
- 1) Sample unweathered bedrock, to determine primary uranium and thorium abundance levels, and the identity of any mineral phases carrying elevated uranium and thorium.
- 2) Obtain sufficient geological information on the local geological environment to be able to infer a preferred model for the occurrence of the elevated uranium and thorium levels.

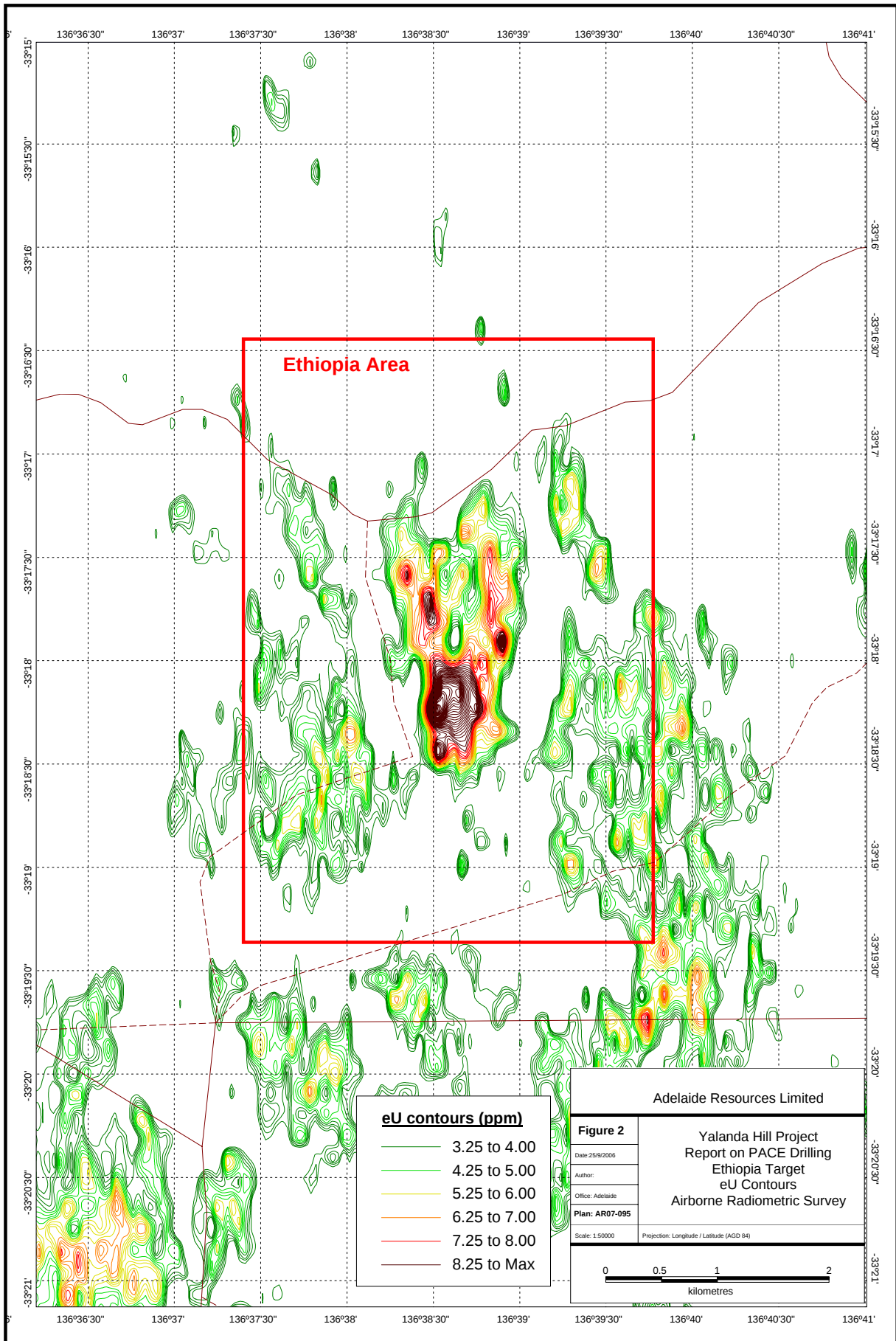
2. DRILL PROGRAM RESULTS

Pine Creek (NT) based drill contractor Johannsen Drilling Pty Ltd completed the Ethiopia drilling program using an Edson 2000 drilling rig. All holes were drilled using a small diameter percussion hammer run on RAB rods and in effect the drill method can be considered as open hole percussion.

A plan showing the position of the drill collars in relation to the identified anomaly appears as Figure 3. Drill collar information, geological logs and associated legend, analytical assay results, total count gamma scintillometer and spectrometer readings and magnetic susceptibility readings are included in this report as Appendices 1 to 5 respectively.

Due to on-site circumstances the original plan of boreholes was adjusted from 48 to 41. The southernmost traverse was cancelled due to sub-crop and outcrop (therefore deeming it unnecessary), several other holes were inaccessible due to vegetation. In addition two holes were added as infill holes due to good field radiometric readings. The holes were drilled vertically due to the lack of information of the underlying





bedrock. Bedrock was encountered at depths between 16m and 70m, with all holes halted by the geologist. Vertical cross sections showing lithologies, and geochemical assay results for uranium, thorium and cerium, along with magnetic susceptibility and radiometric data are found as figures 4 to figure 13. Figure 3 shows a plan of the cross sections in relation to drill traverses and drillhole numbers.

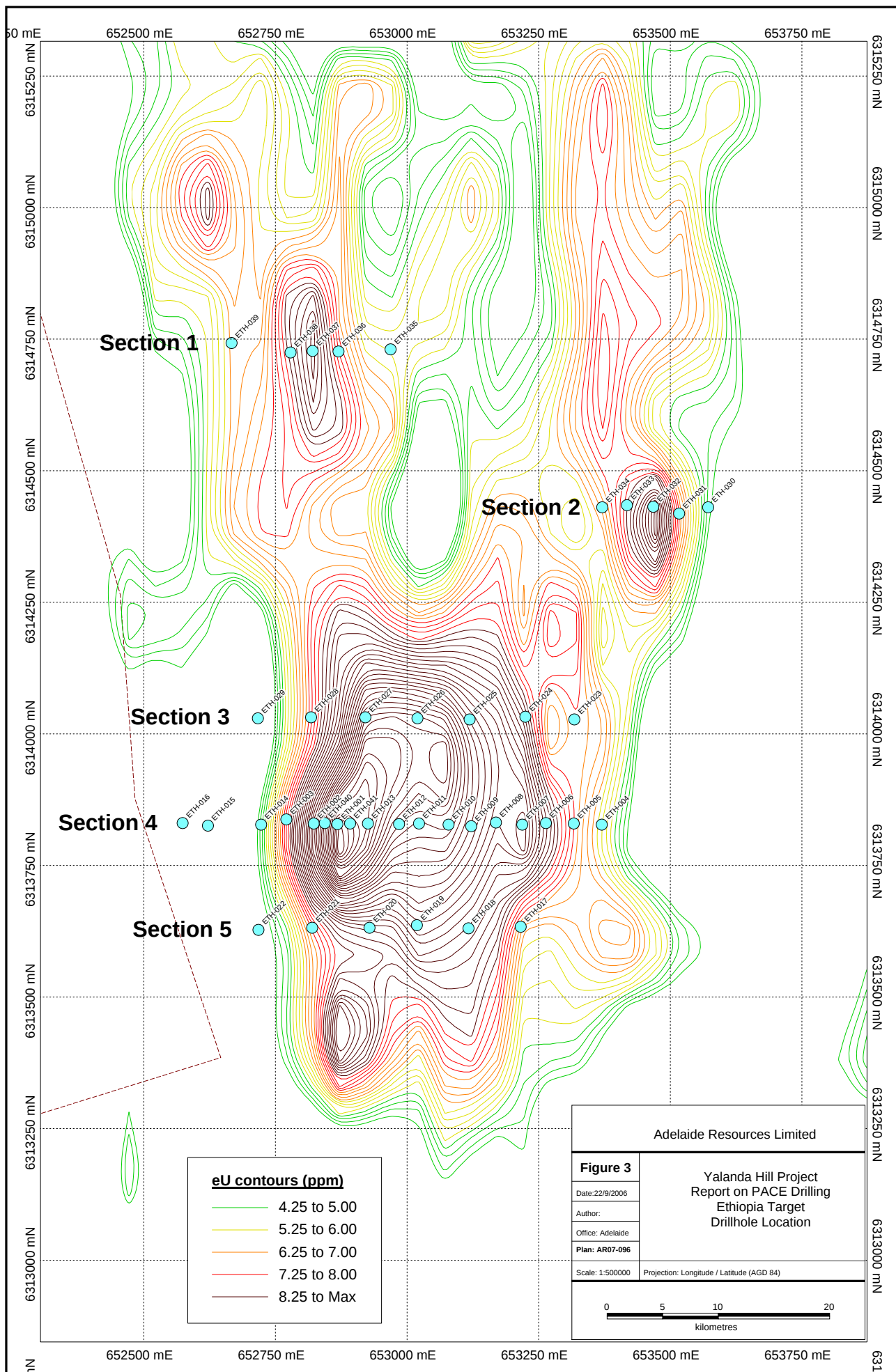
Lithologies encountered were predominantly uniform across the area. The majority of holes were collared in a lateritic pallid clay zone, with a couple recording unconsolidated sand and gravel cover. The pale clays pass down into light grey and yellow clays representing the upper saprolite and then the generally grey with pink and orange lower saprolite. The majority of boreholes encountered the grey para-gneiss, representing the Miltalie Gneiss, from depths of 24m to 40m. Quartzite was encountered within two boreholes; ETH-034 and ETH-035. The quartzite is noted towards the base of the holes located in the innermost holes of the two northern traverses, see figure 3 for locations. Tabulated geological logs are attached as Appendix 2 of this report.

Drill cuttings were collected at 1 metre intervals and contained in large plastic bags. Samples for geochemical analysis were collected as 6 metre composites taken over the entire length of each hole. The composites were collected by taking equal volumes from the contributing 1 metre bulk samples with the resulting composites weighing approximately 3-4 kilograms. A total of 258 original composite samples were collected. Additionally eleven of the original samples were duplicated and submitted to the laboratory to determine laboratory accuracy and maintain quality control. The results from the duplicate samples were within an acceptable range. The geochemical assay results are included as Appendix 3.

The samples were assayed for uranium, thorium and cerium, all results are displayed in parts per million (ppm) and attached as Appendix 3 in this report. The uranium results ranged from <4 – 42ppm. Uranium results over 30ppm were recorded in ETH-001, 34ppm, 36-46m; ETH-002, 36 and 42ppm (duplicate sample), 36-40m; and ETH-028, 30ppm, 30-36m. Corresponding thorium and cerium values are not necessarily elevated. Where elevated uranium results occur, these are nearly all towards the base of the drill hole.

Thorium results range from 10ppm (ETH-003, 18-24m) to 120ppm (ETH-033 6-18m). Results over Th 100ppm were recorded in ETH-012, 100ppm, 0-6m; ETH-044, 120ppm, 6-18m; ETH-033, 110ppm, 18-24m; and ETH-034, 100ppm, 0-6m. The elevated thorium results found on section line 2 are located to the east and within the same borehole as elevated uranium. In addition elevated thorium was found within the drill hole directly east of the elevated uranium on section line 4. Thorium results do not tend to increase with depth.

Cerium results ranged from 20ppm (ETH-003, 18-24m) to 500ppm (ETH-029, 12-18m). Borehole ETH-029 had greatly elevated cerium compared with the other results from the Ethiopia project. Borehole ETH-029 is located on the western extent of section line 3, uranium is also elevated in this drill hole. The cerium results for ETH-029 are as follows;



Borehole No.	Ce ppm	Depth m
ETH-029	210	0-6
ETH-029	450	6-12
ETH-029	500	12-18
ETH-029	430	18-24
ETH-029	190	24-30

Total count gamma scintillometer readings were made on each sample obtained from all of the boreholes, the results of which can be seen in Appendix 4. Total counts were obtained using an Exploranium 110 instrument. Background readings were obtained from each drill site and that result taken away from the actual result to give a Sample count (reading over background). Readings in excess of 200 counts were recorded within ETH-001, ETH-002, ETH-003, ETH-004, ETH-014, ETH-028, ETH-029, ETH-030, ETH-033, ETH-034, ETH-035 and ETH-040. Where anomalous high counts were recorded estimates of uranium (U ppm), thorium (Th ppm) and potassium (K %) were obtained using an Exploranium GR-135G spectrometer. The corresponding uranium estimates are elevated above 30ppm in ETH-001, ETH-026, ETH-028, ETH-033 and ETH-040, not all of these results are elevated in sync with the scintillometer readings.

Magnetic susceptibility readings were made on all composited (6m) drill samples using an Exploranium KT9 instrument, the results of which are found in Appendix 5. In general the magnetic susceptibility increases down the drillhole. The majority of responses were below 1 count (1×10^{-3} SI units), several results were over 1, with the highest response found in drill hole ETH-030, 0-6m, 6.75×10^{-3} SI.

3. INTERPRETATION OF RESULTS

Lithologies intersected in the Ethiopia drilling program indicate lateritic profile in excess of 30m, comprising a pallid zone, followed by both upper and lower saprolite. Twenty-one of the total holes drilled encountered bedrock at the base of hole. The bedrock was logged as paragneiss in the majority of holes with two encounters of quartzite in ETH-034 and ETH-035, both located to the north of the site.

This drilling program revealed a uranium anomaly which predominantly follows the western side of the previously identified airborne anomaly, with only one exception in ETH-035, 20ppm sitting to the east of the smaller northern anomaly. Above background levels of uranium are noted in the majority of boreholes and occur from the top of the drill hole to the bottom of the oxidised zone. The more highly anomalous uranium values, in excess of U 20ppm, are generally located below the oxidised zone in the reduction zone. Thorium results appear constant all down the drill hole. Therefore, it is thought that there are two phases of uranium, the first give lower values and are combined with the more stable thorium, insoluble and unaffected by the weathering profile. The second a more soluble phase has been transported and reprecipitated below the oxidised zone within the reduction zone, to give the identified anomaly.

4. ENVIRONMENTAL ASPECTS AND WORK AREA REHABILITATION

Drilling operations were completed under the authority of an approved Exploration Work Approval order.

All holes were located within cleared paddocks and no new access tracks were required.

Upon completion of drilling each borehole was backfilled with drill cuttings, and all sample bags and rubbish removed from site to a local dumpsite selected by the land owner.

5. CONCLUSIONS

In March 2007 a total of 41 RAB drill holes (1430M) were drilled to test for primary uranium and thorium mineralisation following the identification of a uranium anomaly generated by an earlier airborne geophysical survey. Drilling intersected weakly anomalous uranium levels, running north-south, principally to the west of the previously identified anomalous zones. The anomalous uranium results are predominantly found towards the base of the drill holes and often within the interpreted weakly weathered paragneiss.

The two main objectives of this drilling programme were partially fulfilled:

- 1) Unweathered bedrock was satisfactorily sampled with the drilling method used. It was noted that elevated uranium levels were present in several samples of weakly weathered paragneiss, located below the zone of oxidation. Uranium is a highly soluble element that is easily remobilised by low temperature fluids. It is therefore possible that the identified anomaly may be indicative of remobilisation from an unknown primary source and re-precipitated at the interface between the weathered saprock (oxidised zone) and the unweathered paragneiss (within the reduction zone). The identities of the mineral phases carrying elevated uranium and thorium were not identified, however it has been revealed that there are two phases of uranium, an insoluble phase associated with the thorium and a soluble phase giving the more anomalous uranium values.
- 2) Only partial geological information on the local geological environment was obtained therefore a preferred model for the occurrence of elevated uranium and thorium is not possible at this stage.

The program was conducted in an environmentally sensitive manner with best practice procedures and restorative measures taken to minimise any environmental impact from the drilling program.

6. DRILLING EXPENDITURE

The contract drilling component of the Ethiopia RAB drilling program totalled \$41,158.33 (c.f. budget estimate of \$48,000, Adelaide Resources Ltd requesting 50% of this; \$20,579.17).

7, KEYWORDS

Adelaide Resources Limited, Ethiopia Target, Gawler Craton, lateritic weathering, RAB drilling, Uranium, Thorium, Cerium, Radiometric scintillometer readings, magnetic susceptibility.

APPENDIX 1

Drill Hole Collar Information

Appendix 1 - Drill Hole Collar Information

Prospect	Hole ID	Datum	Easting	Northing	RL	Loc Acc	Dip	Az (amg)	Drill Meth	Final Depth	EOH status	Geologist	Date Start	Date Finish	Drill Comp	Rig Type	Comments
Ethiopia	ETH-001	GDA94	652996	6313998	354	m	-90	360	RH	46	H	SOC	08-Mar-07	08-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-002	GDA94	652951	6313999	356	m	-90	360	RH	40	H	SOC	08-Mar-07	08-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-003	GDA94	652899	6314007	357	m	-90	360	RH	40	H	SOC	08-Mar-07	08-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-004	GDA94	653498	6313997	366	m	-90	360	RH	25	H	SOC	08-Mar-07	08-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-005	GDA94	653445	6313999	367	m	-90	360	RH	40	H	SOC	08-Mar-07	08-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-006	GDA94	653392	6314000	365	m	-90	360	RH	40	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-007	GDA94	653347	6313997	359	m	-90	360	RH	34	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-008	GDA94	653297	6314001	364	m	-90	360	RH	36	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-009	GDA94	653250	6313994	354	m	-90	360	RH	34	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-010	GDA94	653207	6313997	369	m	-90	360	RH	29	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-011	GDA94	653151	6313999	364	m	-90	360	RH	31	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-012	GDA94	653113	6313998	368	m	-90	360	RH	31	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-013	GDA94	653054	6313999	355	m	-90	360	RH	39	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-014	GDA94	652851	6313997	363	m	-90	360	RH	37	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-015	GDA94	652750	6313995	357	m	-90	360	RH	34	H	SOC	09-Mar-07	09-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-016	GDA94	652702	6314000	368	m	-90	360	RH	70	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-017	GDA94	653344	6313803	372	m	-90	360	RH	16	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-018	GDA94	653245	6313800	372	m	-90	360	RH	16	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-019	GDA94	653147	6313806	374	m	-90	360	RH	28	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-020	GDA94	653057	6313801	363	m	-90	360	RH	28	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-021	GDA94	652948	6313801	372	m	-90	360	RH	31	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-022	GDA94	652846	6313797	373	m	-90	360	RH	19	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-023	GDA94	653446	6314197	345	m	-90	360	RH	28	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-024	GDA94	653353	6314202	354	m	-90	360	RH	37	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-025	GDA94	653247	6314197	352	m	-90	360	RH	40	H	MBD	10-Mar-07	10-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-026	GDA94	653148	6314199	354	m	-90	360	RH	47	H	MBD	11-Mar-07	11-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-027	GDA94	653049	6314201	353	m	-90	360	RH	40	H	MBD	11-Mar-07	11-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-028	GDA94	652946	6314201	358	m	-90	360	RH	37	H	MBD	11-Mar-07	11-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-029	GDA94	652845	6314199	359	m	-90	360	RH	34	H	MBD	11-Mar-07	11-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-030	GDA94	653700	6314600	337	m	-90	360	RH	40	H	MBD	11-Mar-07	11-Mar-07	Johannsen Drilling	Edson 2000	Water at 26m.
Ethiopia	ETH-031	GDA94	653645	6314588	336	m	-90	360	RH	37	H	MBD	11-Mar-07	11-Mar-07	Johannsen Drilling	Edson 2000	Water at 25m - sample taken.
Ethiopia	ETH-032	GDA94	653596	6314601	342	m	-90	360	RH	31	H	MBD	11-Mar-07	11-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-033	GDA94	653546	6314604	353	m	-90	360	RH	40	H	SOC	12-Mar-07	12-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-034	GDA94	653499	6314600	345	m	-90	360	RH	37	H	SOC	12-Mar-07	12-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-035	GDA94	653097	6314900	341	m	-90	360	RH	32	H	SOC	12-Mar-07	12-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-036	GDA94	652998	6314896	338	m	-90	360	RH	31	H	SOC	12-Mar-07	12-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-037	GDA94	652949	6314897	336	m	-90	360	RH	31	H	SOC	12-Mar-07	12-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-038	GDA94	652907	6314894	340	m	-90	360	RH	28	H	SOC	12-Mar-07	12-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-039	GDA94	652795	6314912	324	m	-90	360	RH	36	H	SOC	12-Mar-07	12-Mar-07	Johannsen Drilling	Edson 2000	
Ethiopia	ETH-040	GDA94	652972	6314000	363	m	-90	360	RH	43	H	SOC	12-Mar-07	12-Mar-07	Johannsen Drilling	Edson 2000	Measured with tape 25m from ETH-001.
Ethiopia	ETH-041	GDA94	653020	6313999	359	m	-90	360	RH	37	H	SOC	12-Mar-07	12-Mar-07	Johannsen Drilling	Edson 2000	Measured with tape 25m from ETH-001.

APPENDIX 2

Drill Hole Logs and Legend

Appendix 2 - Drill Hole Logs

Prospect	Hole ID	From	To	Colour	Weath	Lithology	Lith Min	Texture	Vein%	Vein Min	Comments
Ethiopia	ETH-001	0	7	Wh	S	Lpa	clay,qtz				
Ethiopia	ETH-001	7	8	IGy	S	Lpa	clay,feld,qtz				
Ethiopia	ETH-001	8	9	IGy	M	Lsu	feld,qtz,bio				
Ethiopia	ETH-001	9	16	IGyYw	M	Lsl	feld,qtz,bio,sill				
Ethiopia	ETH-001	16	36	IGyOr	W	Lsl	feld,qtz,bio,sill				
Ethiopia	ETH-001	36	38	IGyPk	W	Lsl	feld,qtz,bio,sill				Pk Fe staining.
Ethiopia	ETH-001	38	46	IGyOr	W	Lrs-Mgp	feld,qtz,sill				
Ethiopia	ETH-002	0	1	IBr	S	Lpa	feld,qtz,tourm				
Ethiopia	ETH-002	1	4	IGyYw	S	Lpa	clay,feld,qtz				
Ethiopia	ETH-002	4	11	IGyYw	M	Lsu	feld,qtz,bio				Limonite stain.
Ethiopia	ETH-002	11	26	IGyYw	WM	Lrs	feld,qtz,bio				Limonite stain.
Ethiopia	ETH-002	26	29	IGyPk	WM	Lrs	feld,qtz,bio				
Ethiopia	ETH-002	29	32	Yw	WM	Lrs	feld,qtz				Pk Fe staining.
Ethiopia	ETH-002	32	40	IGyPk	WM	Lrs-Mgp	feld,qtz,bio				Mica flakes.
Ethiopia	ETH-003	0	9	Wh	S	Lpa	clay,qtz				
Ethiopia	ETH-003	9	10	Yw	S	Lpa	clay,qtz				
Ethiopia	ETH-003	10	12	GyYw	W	Lsu	clay,qtz,feld,bio				
Ethiopia	ETH-003	12	14	Yw	W	Lsu	feld,qtz,bio				Limonite stain.
Ethiopia	ETH-003	14	16	YwGy	W	Lsl	feld,qtz,bio				
Ethiopia	ETH-003	16	30	GyWh	W	Lsl	feld,qtz,bio				
Ethiopia	ETH-003	30	40	Gy	WF	Lrs-Mgp	feld,qtz,bio				Richer in biotite.
Ethiopia	ETH-004	0	1	Br	S	Lpa	clay				
Ethiopia	ETH-004	1	2	Yw	S	Lpa	qtz,feld				
Ethiopia	ETH-004	2	6	Yw	M	Lsu	feld,qtz,bio				
Ethiopia	ETH-004	6	16	YwGy	M	Lsl	feld,qtz,bio				Limonite stain.
Ethiopia	ETH-004	16	18	Gy	M	Lsl	feld,qtz,bio				
Ethiopia	ETH-004	21	24	Gy	M	Lsl	feld,qtz,bio				Red Fe stain.
Ethiopia	ETH-004	24	25	Gy	W	Lrs-Mgp	feld,qtz,bio				
Ethiopia	ETH-005	0	1	Br	S	Lpa	clay,qtz,feld				Red Fe stain.
Ethiopia	ETH-005	1	10	Yw	W	Lsu	clay,qtz,feld				
Ethiopia	ETH-005	10	34	Gy	W	Lsl	feld,qtz,bio				
Ethiopia	ETH-005	34	40	Gy	W	Lrs-Mgp	feld,qtz,bio				
Ethiopia	ETH-006	0	1	Br	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-006	1	2	Gy	M	Lsu	feld,qtz,bio				
Ethiopia	ETH-006	2	5	YwBr	MS	Lsl	feld,qtz,bio				Ye limonite stain.

Appendix 2 - Drill Hole Logs

Prospect	Hole ID	From	To	Colour	Weath	Lithology	Lith Min	Texture	Vein%	Vein Min	Comments
Ethiopia	ETH-006	5	8	Gy	M	Lsl	feld,qtz,bio				
Ethiopia	ETH-006	8	10	YwBr	MS	Lsl	feld,qtz,bio				Ye limonite stain.
Ethiopia	ETH-006	10	13	YwGy	M	Lsl	feld,qtz,bio				Less Ye limonite stain.
Ethiopia	ETH-006	13	24	GyYw	M	Lsl	feld,qtz,bio				
Ethiopia	ETH-006	24	26	Gy	M	Lsl	feld,qtz,bio				
Ethiopia	ETH-006	26	29	Gy	M	Lsl	feld,qtz,bio				Red Fe stain.
Ethiopia	ETH-006	29	40	Gy	W	Lrs-Mgp	feld,qtz,bio				More fresh biotite.
Ethiopia	ETH-007	0	5	Gy	S	Lpa	qtz,feld				
Ethiopia	ETH-007	5	8	GyYw	MS	Lsl	feld,qtz,bio				Ye limonite stain.
Ethiopia	ETH-007	8	10	Yw	M	Lsl	feld,qtz,bio				Strong yellow limonite stain.
Ethiopia	ETH-007	10	15	Gy	M	Lsl	feld,qtz,bio				Ye limonite stain.
Ethiopia	ETH-007	15	22	YwGy	MS	Lsl	feld,qtz,bio				Strong yellow limonite stain.
Ethiopia	ETH-007	22	25	PkGy	MS	Lsl	feld,qtz,bio				Strong pink Fe stain.
Ethiopia	ETH-007	25	34	Gy	W	Lrs-Mgp	feld,qtz,bio				Wk limonite stain.
Ethiopia	ETH-008	0	5	Wh	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-008	5	8	Yw	MS	Lsl	feld,qtz,bio				Wk limonite stain.
Ethiopia	ETH-008	8	10	GyYw	M	Lsl	feld,qtz,bio				PkYe Fe stain.
Ethiopia	ETH-008	10	16	GyYw	M	Lsl	feld,qtz,bio				Wk limonite stain.
Ethiopia	ETH-008	16	18	GyYw	MW	Vein?	qtz,feld				No biotite.
Ethiopia	ETH-008	18	20	GyYw	M	Lsl	feld,qtz,bio				
Ethiopia	ETH-008	20	24	PkGy	MS	Lsl	feld,qtz,bio				Pk Fe staining.
Ethiopia	ETH-008	24	36	Gy	W	Lrs-Mgp	feld,qtz,bio				
Ethiopia	ETH-009	0	2	Br	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-009	2	4	Yw	M	Lsu	feld,qtz,bio				
Ethiopia	ETH-009	4	16	YwGy	M	Lsl	feld,qtz,bio				Strong yellow limonite stain.
Ethiopia	ETH-009	16	22	GyYw	M	Lsl	feld,qtz,bio				Ye Pk Fe stain.
Ethiopia	ETH-009	22	24	PkGy	M	Lsl	feld,qtz,bio				Strong pink Fe stain.
Ethiopia	ETH-009	24	28	PkGy	M	Lsl	feld,qtz,bio				Ye Pk Fe stain.
Ethiopia	ETH-009	28	32	PkGy	M	Lsl	feld,qtz,bio				Strong pink Fe stain.
Ethiopia	ETH-009	32	34	PkGy	M	Lrs-Mgp	feld,qtz,bio				Ye Pk Fe stain.
Ethiopia	ETH-010	0	1	Br	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-010	1	4	Yw	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-010	4	16	GyYw	M	Lsl	feld,qtz,bio,clay				
Ethiopia	ETH-010	16	18	Yw	S	Lsl	clay,qtz,feld,bio				
Ethiopia	ETH-010	18	20	Yw	S	Vein?	clay,qtz				Large qtz chips in yellow clay.

Appendix 2 - Drill Hole Logs

Prospect	Hole ID	From	To	Colour	Weath	Lithology	Lith Min	Texture	Vein%	Vein Min	Comments
Ethiopia	ETH-010	20	29	Gy	W	Lrs	feld,qtz,bio				
Ethiopia	ETH-011	0	3	YwGy	S	Lpa	clay,qtz,feld,bio				
Ethiopia	ETH-011	3	10	YwGy	S	Lsl	feld,qtz,bio				Ye Fe stain.
Ethiopia	ETH-011	10	16	GyYw	M	Lsl	feld,qtz,bio				Ye Fe stain.
Ethiopia	ETH-011	16	18	GyYw	M	Lsl-Vein	feld,qtz,bio		5?	qtz	Ye Fe stain.
Ethiopia	ETH-011	18	20	GyYw	M	Lsl	feld,qtz,bio				Ye Fe stain.
Ethiopia	ETH-011	20	22	GyYw	M	Lsl-Vein	feld,qtz,bio		5?	qtz	Ye Fe stain.
Ethiopia	ETH-011	22	24	GyYw	M	Lsl	feld,qtz,bio				Ye Fe stain.
Ethiopia	ETH-011	24	31	Gy	W	Lrs-Mgp	feld,qtz,bio				Ye Pk Fe stain.
Ethiopia	ETH-012	0	1	Br	S	Lpa	clay,qtz				
Ethiopia	ETH-012	1	5	Wh	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-012	5	8	YwGy	M	Lsu	qtz,feld				
Ethiopia	ETH-012	8	12	Yw	M	Lsu	feld,qtz,bio				Ye Fe stain.
Ethiopia	ETH-012	12	26	GyYw	M	Lsl	feld,qtz,bio				Ye Fe stain.
Ethiopia	ETH-012	26	31	Gy	M	Lrs-Mgp	feld,qtz,bio				Pk Fe staining.
Ethiopia	ETH-013	0	6	Wh	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-013	6	8	Wh	S	Lpa	clay,qtz				Large qtz chips may be vein.
Ethiopia	ETH-013	8	9	Wh	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-013	9	10	Gy	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-013	10	36	GyYw	M	Lsl	feld,qtz,bio				
Ethiopia	ETH-013	36	38	GyPk	M	Lsl	feld,qtz,bio				Pk Fe staining.
Ethiopia	ETH-013	38	39	Gy	W	Lrs-Mgp	feld,qtz,bio				
Ethiopia	ETH-014	0	1	Br	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-014	1	3	Wh	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-014	3	4	Yw	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-014	4	8	YwGy	S	Lpa	qtz,feld,clay,bio				
Ethiopia	ETH-014	8	12	Gy	M	Lsl	feld,qtz,bio				
Ethiopia	ETH-014	12	18	GyOr	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-014	18	20	Or	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-014	20	23	IGy	S	Lsl	qtz,feld,clay				
Ethiopia	ETH-014	23	25	Or	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-014	25	28	IGy	M	Lsl	feld,qtz,bio,clay				
Ethiopia	ETH-014	28	37	IGy	W	Lrs-Mgp	feld,qtz,bio				
Ethiopia	ETH-015	0	2	Br	S	Csl	clay				
Ethiopia	ETH-015	2	10	YwOr	S	Lpa	clay				

Appendix 2 - Drill Hole Logs

Prospect	Hole ID	From	To	Colour	Weath	Lithology	Lith Min	Texture	Vein%	Vein Min	Comments
Ethiopia	ETH-015	10	12	YwGy	M	Lsu	qtz,feld				
Ethiopia	ETH-015	12	20	Gy	M	Lsl	feld,qtz,bio				
Ethiopia	ETH-015	20	22	Yw	S	Lpa	clay				
Ethiopia	ETH-015	22	30	Gy	MW	Lsl	feld,qtz,bio				
Ethiopia	ETH-015	30	34	Gy	W	Lrs-Mgp	feld,qtz,bio				
Ethiopia	ETH-016	0	2	lBr		Csl,Cgv					
Ethiopia	ETH-016	2	4	Bu	S	Lpa	qtz,feld				
Ethiopia	ETH-016	4	17	Bu	S	Lpa	qtz,feld				
Ethiopia	ETH-016	17	18	lYw	S	Lpa	qtz,feld				
Ethiopia	ETH-016	18	50	Wh	S	Lpa	qtz,feld				
Ethiopia	ETH-016	50	70	Wh	M	Lsl	qtz,feld,clay,bio	mg			Deeply weathered feldspathic quartzite - not Warrow.
Ethiopia	ETH-017	0	2	lBr		Csl,Cgv					
Ethiopia	ETH-017	2	12	Wh	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-017	12	16	Wh	M	Lpa	feld,qtz,bio				
Ethiopia	ETH-018	0	2	lBr	S	Csl	qtz,feld				
Ethiopia	ETH-018	2	4	Wh	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-018	4	16	Wh	MW	Lrs	feld,qtz,bio				
Ethiopia	ETH-019	0	2	lBr		Csl,Cgv					
Ethiopia	ETH-019	2	4	lGy	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-019	4	6	lYw	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-019	6	14	lYw	S	Lpa	feld,qtz,bio	fg			
Ethiopia	ETH-019	14	18	lYw	S	Lpa	feld,qtz,bio	mg			
Ethiopia	ETH-019	18	28	Gy	MW	Lrs	feld,qtz,bio	mg			
Ethiopia	ETH-020	0	2	lBr		Csl,Cgv					
Ethiopia	ETH-020	2	16	Bu	S	Lpa	feld,qtz,bio				rare muscovite at 14-16m
Ethiopia	ETH-020	16	28	Gy	MW	Lrs	feld,qtz,bio				Rare biotite.
Ethiopia	ETH-021	0	4	lBr	S	Lpa	feld,qtz,bio				Rare biotite.
Ethiopia	ETH-021	4	6	lBr	S	Lpa	feld,qtz,bio				Trace Rd FeOx stain.
Ethiopia	ETH-021	6	12	lBr	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-021	12	31	Gy	MW	Lrs	feld,qtz,bio				
Ethiopia	ETH-022	0	2	lBr		Csl,Cgv					
Ethiopia	ETH-022	2	12	Br	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-022	12	19	lYw	MW	Lrs	feld,qtz,bio				
Ethiopia	ETH-023	0	2	lBr		Csl,Cgv					

Appendix 2 - Drill Hole Logs

Prospect	Hole ID	From	To	Colour	Weath	Lithology	Lith Min	Texture	Vein%	Vein Min	Comments
Ethiopia	ETH-023	2	6	lBr	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-023	6	28	Gy	MW	Lrs	feld,qtz,bio				Rare red FeOx staining at 27m.
Ethiopia	ETH-024	0	2	lBr	S	Csl	qtz,feld				
Ethiopia	ETH-024	2	3	Wh	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-024	3	37	lYw	MW	Lrs	feld,qtz,bio				
Ethiopia	ETH-025	0	2	lBr		Csl,Cgv					
Ethiopia	ETH-025	2	8	Wh	S	Lpa	feld,qtz,bio				
Ethiopia	ETH-025	8	40	Gy	MW	Lrs	feld,qtz,bio				Rare red FeOx staining at 24-26m. Rare muscovite. Tr Chlorite? At 32-40m.
Ethiopia	ETH-026	0	8	lGy		Csl,Cgv					
Ethiopia	ETH-026	8	14	lBr	S	Lpa	feld,qtz,bio	fg			
Ethiopia	ETH-026	14	36	Gy	M	Lrs	feld,qtz,bio				
Ethiopia	ETH-026	36	40	Gy	MW	Lrs	feld,qtz,bio				
Ethiopia	ETH-026	40	42	Gy	MW	Lrs	feld,qtz,bio				Increased biotite.
Ethiopia	ETH-026	42	47	Gy	MW	Lrs	feld,qtz,bio				As per 36-40m.
Ethiopia	ETH-027	0	2	lBr		Csl,Cgv					
Ethiopia	ETH-027	2	4	lBr		Csd					silty and clayey
Ethiopia	ETH-027	4	16	Gy	S	Lpa	feld,qtz,bio	fmg			Feldspar is light pink.
Ethiopia	ETH-027	16	28	Gy	M	Lrs	feld,qtz,bio	fmg			Increased biotite 20-22m. Increased lYeBr lateritic product 24-28m.
Ethiopia	ETH-027	28	34	Gy	MW	Lrs	feld,qtz,bio	cg			Rare biotite
Ethiopia	ETH-027	34	36	Gy	MW	Lrs	qtz	cg			Vein qtz.
Ethiopia	ETH-027	36	40	Gy	W	Lrs	feld,qtz,bio	mfg			
Ethiopia	ETH-028	0	2	lBr		Csl,Cgv					Minor gravel of rock fragments.
Ethiopia	ETH-028	2	10	lBr	S	Lpa	feld,qtz,bio	fmg			Rare biotite.
Ethiopia	ETH-028	10	25	lBr	S	Lpa	feld,qtz,bio	fmg			Pink colour increases 22-24m. Red pigmentation.
Ethiopia	ETH-028	25	26	lYwBr	S	Ofi	feld,qtz,bio	fmg			
Ethiopia	ETH-028	26	37	Gy	MW	Lrs	feld,qtz,bio	fmg			
Ethiopia	ETH-029	0	3	lBr		Csl,Cgv					Minor gravel of rock fragments.
Ethiopia	ETH-029	3	7	lBr	S	Lpa	feld,qtz,bio	fmg			
Ethiopia	ETH-029	7	12	lYwBr	S	Lpa	feld,qtz,bio	fmg			Pepper sized specs of black mineral - possibly magnetite.
Ethiopia	ETH-029	12	25	lYwBr	M	Lrs	feld,qtz,bio	fmg			Minor vein qtz 16-18m.
Ethiopia	ETH-029	25	26	lRdBr	M	Ofi	feld,qtz,bio	fmg			

Appendix 2 - Drill Hole Logs

Prospect	Hole ID	From	To	Colour	Weath	Lithology	Lith Min	Texture	Vein%	Vein Min	Comments
Ethiopia	ETH-029	26	34	IYwBr	W	Lrs	feld,qtz,bio	fmg			
Ethiopia	ETH-030	0	2	IBr		Csl,Cgv					Minor gravel of rock fragments.
Ethiopia	ETH-030	2	14	BrYw	S	Lpa	feld,qtz,bio	fmg			
Ethiopia	ETH-030	14	20	IYwBr	S	Lpa	feld,qtz,bio	fmg			
Ethiopia	ETH-030	20	25	Gy	S	Lpa	feld,qtz,bio	fmg			
Ethiopia	ETH-030	25	26	dYwBr	M	Ofi	feld,qtz,bio	fmg			
Ethiopia	ETH-030	26	28	dGy	M	Lrs	bio,qtz,feld	fg			Biotite rich
Ethiopia	ETH-030	28	40	GyBr	M	Lrs	feld,qtz,bio	fmg			
Ethiopia	ETH-031	0	3	IBr		Csl,Cgv					Minor gravel of rock fragments.
Ethiopia	ETH-031	3	4	Bu	S	Lpa	feld,qtz,bio				Rare biotite.
Ethiopia	ETH-031	4	20	IBr	S	Lrs	feld,qtz,bio	fmg			
Ethiopia	ETH-031	20	22	IBr	M	Lrs	feld,qtz,bio	fmg			
Ethiopia	ETH-031	22	27	dGy	MW	Lrs	bio,qtz,feld	fg			
Ethiopia	ETH-031	27	37	Gy	MW	Lrs	feld,qtz,bio	fmg			
Ethiopia	ETH-032	0	8	Wh	S	Lpa	qtz,feld	mg			
Ethiopia	ETH-032	8	16	Wh	S	Lpa	feld,qtz,bio	fmg			Rare biotite.
Ethiopia	ETH-032	16	20	IBr	S	Lpa	feld,qtz,bio	mg			
Ethiopia	ETH-032	20	27	IBr	MW	Lpa	feld,qtz,bio	mg			
Ethiopia	ETH-032	27	31	Gy	W	Lrs	feld,qtz,bio	mg			
Ethiopia	ETH-033	0	2	WhBr	S	Lpa	clay,qtz				
Ethiopia	ETH-033	2	20	Wh	S	Lpa	clay,qtz				
Ethiopia	ETH-033	20	22	Yw	S	Lpa	clay,qtz,feld				Ye Fe stain.
Ethiopia	ETH-033	22	26	IBrGy	M	Lsu	clay,qtz,feld				Ye Fe stain.
Ethiopia	ETH-033	26	31	Gy	M	Lsl	feld,qtz,bio				
Ethiopia	ETH-033	31	38	Gy	M	Lsl	feld,qtz,bio				Strong yellow Fe stain.
Ethiopia	ETH-033	38	40	Gy	W	Lrs-Mgp	feld,qtz,bio				Wk pink Fe stain.
Ethiopia	ETH-034	0	25	Wh	S	Lpa	clay,qtz				
Ethiopia	ETH-034	25	30	Yw	MS	Lsu	clay,qtz				Strong yellow Fe stain.
Ethiopia	ETH-034	30	36	WhYw	M	Lsl	qtz,feld				Wk Ye Fe stain.
Ethiopia	ETH-034	36	37	Wh	W	Lrs-Mst	qtz,feld				
Ethiopia	ETH-035	0	4	Wh	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-035	4	8	Wh	S	Lpa	clay,qtz,feld				Wk Ye Fe stain.
Ethiopia	ETH-035	8	10	Wh	M	Lsu	qtz,feld,bio,tourm				Wk Ye Fe stain. Weathered vein?
Ethiopia	ETH-035	10	17	Yw	M	Lsu	qtz,feld				Weathered Mst?
Ethiopia	ETH-035	17	19	BrRd	MW	Lsl	bio,qtz,feld				Mod Ye Fe stain.. Weathered Msc

Appendix 2 - Drill Hole Logs

Prospect	Hole ID	From	To	Colour	Weath	Lithology	Lith Min	Texture	Vein%	Vein Min	Comments
Ethiopia	ETH-035	19	24	YwGy	M	Lsl	feld,qtz,bio				Strong yellow Fe stain.
Ethiopia	ETH-035	24	28	GyYw	M	Lsl	feld,qtz,bio				Mod wk Ye Fe stain.
Ethiopia	ETH-035	28	30	GyYw	W	Lrs-Mst	qtz,feld		50	qtz	Mod Ye Fe stain.
Ethiopia	ETH-035	30	32	GyYw	WM	Lrs-Mgp	feld,qtz,bio		15	qtz	Mod Ye Fe stain.
Ethiopia	ETH-036	0	4	WhBr	S	Lpa	clay,qtz				
Ethiopia	ETH-036	4	12	Wh	S	Lpa	clay,qtz				
Ethiopia	ETH-036	12	14	Wh	S	Lpa	clay,qtz,tourm				Weathered vein?
Ethiopia	ETH-036	14	18	Wh	S	Lpa	clay,qtz				
Ethiopia	ETH-036	18	22	Yw	M	Lsu	feld,qtz,musc				Wk Ye Fe stain.
Ethiopia	ETH-036	22	28	YwGy	M	Lsl	feld,qtz,bio				Mod Ye Fe stain.
Ethiopia	ETH-036	28	30	YwGy	W	Lsl	feld,qtz,bio				
Ethiopia	ETH-036	30	31	Gy	W	Lrs-Mgp	feld,qtz,bio				Pk Fe staining.
Ethiopia	ETH-037	0	2	WhBr	S	Lpa	clay				
Ethiopia	ETH-037	2	12	Wh	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-037	12	14	Wh	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-037	14	16	Wh	M	Lsu	feld,qtz,bio				
Ethiopia	ETH-037	16	28	Yw	M	Lsl	feld,qtz,bio		15	qtz	Strong yellow Fe stain.
Ethiopia	ETH-037	28	30	GyYw	W	Lsl	feld,qtz,bio				Mod PkYe Fe staining.
Ethiopia	ETH-037	30	31	GyPk	WM	Lsl	feld,qtz,bio				Strong pink Fe stain.
Ethiopia	ETH-038	0	8	Wh	S	Lpa	clay,qtz				
Ethiopia	ETH-038	8	22	YwGy	M	Lsu	feld,qtz,bio				Ye Fe stain.
Ethiopia	ETH-038	22	28	GyYw	W	Lsl	feld,qtz,bio				Ye Fe stain.
Ethiopia	ETH-039	0	1	Wh	S	Lpa	clay,qtz				
Ethiopia	ETH-039	1	3	Yw	S	Lpa	clay,qtz				
Ethiopia	ETH-039	3	4	Wh	S	Lpa	clay,qtz				
Ethiopia	ETH-039	4	7	YwGy	S	Lpa	clay,qtz				
Ethiopia	ETH-039	7	8	Br	M	Lsu	feld,qtz,bio				Wk Ye Fe stain.
Ethiopia	ETH-039	8	20	YwGy	M	Lsl	feld,qtz,bio				Wk Ye Fe stain.
Ethiopia	ETH-039	20	22	Yw	M	Lsl	feld,qtz,bio				Strong yellow Fe stain.
Ethiopia	ETH-039	22	28	YwGy	MW	Lsl	feld,qtz,bio				Mod Ye Fe stain.
Ethiopia	ETH-039	28	36	YwGy	W	Lrs-Mgp	feld,qtz,bio				Wk Ye Fe stain.
Ethiopia	ETH-040	0	4	Gy	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-040	4	18	GyYw	M	Lsu	feld,qtz,bio				Wk Ye Fe stain.
Ethiopia	ETH-040	18	24	Gy	M	Lsl	feld,qtz,bio				Wk Ye Fe stain.
Ethiopia	ETH-040	24	26	BkGy	M	Lsl	bio,qtz,feld				Weathered schist.

Appendix 2 - Drill Hole Logs

Prospect	Hole ID	From	To	Colour	Weath	Lithology	Lith Min	Texture	Vein%	Vein Min	Comments
Ethiopia	ETH-040	26	32	Gy	MW	Lsl	feld,qtz,bio				Wk Ye Fe stain.
Ethiopia	ETH-040	32	34	GyYw	W	Lsl	feld,qtz,bio				Mod Ye Fe stain.
Ethiopia	ETH-040	34	40	GyPk	W	Lsl	feld,qtz,bio				Ye Pk Fe stain.
Ethiopia	ETH-040	40	43	Gy	W	Lrs-Mgp	feld,qtz,bio				
Ethiopia	ETH-041	0	6	GyWh	S	Lpa	clay,qtz,feld				
Ethiopia	ETH-041	6	16	YwGy	M	Lsu	qtz,feld,clay				Wk Ye Fe stain.
Ethiopia	ETH-041	16	32	YwGy	M	Lsl	feld,qtz,bio,musc				Wk-mod Ye Fe staining.
Ethiopia	ETH-041	32	37	Gy	W	Lrs-Mgp	feld,qtz,bio				Wk PkYw Fe stain.

APPENDIX 3

Drill Hole Geochemical Assay Results

Appendix 3 - Drill Hole Assay Results

Prospect	Hole ID	From	To	Sample No.	Samp Type	Std Dup ref	Samp Qual	Coll Method	U ppm	Th ppm	Ce ppm
Ethiopia	ETH-001	0	6	E66497	orig		D	trowel	14	88	120
Ethiopia	ETH-001	6	12	E66498	orig		D	trowel	14	70	120
Ethiopia	ETH-001	12	18	E66499	orig		D	trowel	14	50	50
Ethiopia	ETH-001	18	24	E66500	orig		D	trowel	14	50	80
Ethiopia	ETH-001	24	30	E66501	orig		D	trowel	12	52	60
Ethiopia	ETH-001	30	36	E66502	orig		D	trowel	14	54	90
Ethiopia	ETH-001	36	42	E66503	orig		D	trowel	34	50	70
Ethiopia	ETH-001	42	46	E66504	orig		D	trowel	34	50	80
Ethiopia	ETH-002	0	6	E66505	orig		D	trowel	10	50	90
Ethiopia	ETH-002	6	12	E66506	orig		D	trowel	8	52	80
Ethiopia	ETH-002	12	18	E66507	orig		D	trowel	20	58	110
Ethiopia	ETH-002	18	24	E66508	orig		D	trowel	18	38	80
Ethiopia	ETH-002	24	30	E66509	orig		D	trowel	14	48	80
Ethiopia	ETH-002	30	36	E66510	orig		D	trowel	16	40	70
Ethiopia	ETH-002	36	40	E66511	orig	E66512	D	trowel	36	40	90
Ethiopia	ETH-002	36	40	E66512	dup	E66511	D	trowel	42	42	60
Ethiopia	ETH-003	0	6	E66513	orig		D	trowel	4	42	110
Ethiopia	ETH-003	6	12	E66514	orig		D	trowel	6	42	110
Ethiopia	ETH-003	12	18	E66515	orig		D	trowel	12	46	80
Ethiopia	ETH-003	18	24	E66516	orig		D	trowel	4	10	20
Ethiopia	ETH-003	24	30	E66517	orig		D	trowel	14	38	40
Ethiopia	ETH-003	30	36	E66518	orig		D	trowel	18	40	80
Ethiopia	ETH-003	36	40	E66519	orig		D	trowel	20	40	60
Ethiopia	ETH-004	0	6	E66520	orig		D	trowel	10	72	160
Ethiopia	ETH-004	6	12	E66521	orig		D	trowel	6	68	160
Ethiopia	ETH-004	12	18	E66522	orig		D	trowel	8	72	150
Ethiopia	ETH-004	18	24	E66523	orig		D	trowel	12	66	130
Ethiopia	ETH-004	24	25	E66524	orig	E66525	D	trowel	10	74	140
Ethiopia	ETH-004	24	25	E66525	dup	E66524	D	trowel	12	72	150
Ethiopia	ETH-005	0	6	E66526	orig		D	trowel	4	28	70
Ethiopia	ETH-005	6	12	E66527	orig		D	trowel	6	50	100
Ethiopia	ETH-005	12	18	E66528	orig		D	trowel	6	60	130
Ethiopia	ETH-005	18	24	E66529	orig		D	trowel	14	60	110
Ethiopia	ETH-005	24	30	E66530	orig		D	trowel	10	64	120
Ethiopia	ETH-005	30	36	E66531	orig		D	trowel	12	50	130
Ethiopia	ETH-005	36	40	E66532	orig		D	trowel	14	46	90
Ethiopia	ETH-006	0	6	E66533	orig		D	trowel	8	76	120
Ethiopia	ETH-006	6	12	E66534	orig		D	trowel	10	66	120
Ethiopia	ETH-006	12	18	E66535	orig		D	trowel	8	30	60
Ethiopia	ETH-006	18	24	E66536	orig		D	trowel	6	36	70
Ethiopia	ETH-006	24	30	E66537	orig		D	trowel	8	36	60
Ethiopia	ETH-006	30	36	E66538	orig		D	trowel	10	40	80
Ethiopia	ETH-006	36	40	E66539	orig		D	trowel	14	66	120
Ethiopia	ETH-007	0	6	E66540	orig		D	trowel	4	24	80
Ethiopia	ETH-007	6	12	E66541	orig		D	trowel	8	44	60
Ethiopia	ETH-007	12	18	E66542	orig		D	trowel	4	54	80
Ethiopia	ETH-007	18	24	E66543	orig		D	trowel	10	66	120
Ethiopia	ETH-007	24	30	E66544	orig		D	trowel	10	74	110
Ethiopia	ETH-007	30	34	E66545	orig		D	trowel	12	72	110
Ethiopia	ETH-008	0	6	E66546	orig		D	trowel	12	70	130
Ethiopia	ETH-008	6	12	E66547	orig		D	trowel	8	58	110
Ethiopia	ETH-008	12	18	E66548	orig		D	trowel	4	54	100
Ethiopia	ETH-008	18	24	E66549	orig	E66550	D	trowel	10	84	140
Ethiopia	ETH-008	18	24	E66550	dup	E66549	D	trowel	12	84	130

Appendix 3 - Drill Hole Assay Results

Prospect	Hole ID	From	To	Sample No.	Samp Type	Std Dup ref	Samp Qual	Coll Method	U ppm	Th ppm	Ce ppm
Ethiopia	ETH-008	24	30	E66551	orig		D	trowel	12	66	140
Ethiopia	ETH-008	30	36	E66552	orig		D	trowel	6	60	120
Ethiopia	ETH-009	0	6	E66553	orig		D	trowel	6	62	120
Ethiopia	ETH-009	6	12	E66554	orig		D	trowel	10	60	90
Ethiopia	ETH-009	12	18	E66555	orig		D	trowel	10	72	130
Ethiopia	ETH-009	18	24	E66556	orig		D	trowel	6	74	140
Ethiopia	ETH-009	24	30	E66557	orig		D	trowel	6	78	120
Ethiopia	ETH-009	30	34	E66558	orig		D	trowel	12	76	140
Ethiopia	ETH-010	0	6	E66559	orig		D	trowel	8	78	120
Ethiopia	ETH-010	6	12	E66560	orig		D	trowel	6	78	140
Ethiopia	ETH-010	12	18	E66561	orig		D	trowel	12	74	140
Ethiopia	ETH-010	18	24	E66562	orig		D	trowel	12	62	120
Ethiopia	ETH-010	24	29	E66563	orig		D	trowel	10	70	120
Ethiopia	ETH-011	0	6	E66564	orig		D	trowel	10	76	130
Ethiopia	ETH-011	6	12	E66565	orig		D	trowel	14	72	130
Ethiopia	ETH-011	12	18	E66566	orig		D	trowel	10	60	120
Ethiopia	ETH-011	18	24	E66567	orig		D	trowel	10	58	110
Ethiopia	ETH-011	24	30	E66568	orig		D	trowel	12	64	110
Ethiopia	ETH-011	30	31	E66569	orig		D	trowel	14	62	80
Ethiopia	ETH-012	0	6	E66570	orig		D	trowel	12	100	150
Ethiopia	ETH-012	6	12	E66571	orig		D	trowel	10	60	70
Ethiopia	ETH-012	12	18	E66572	orig		D	trowel	10	68	120
Ethiopia	ETH-012	18	24	E66573	orig		D	trowel	16	72	120
Ethiopia	ETH-012	24	30	E66574	orig	E66575	D	trowel	10	66	140
Ethiopia	ETH-012	24	30	E66575	dup	E66574	D	trowel	10	64	100
Ethiopia	ETH-012	30	31	E66576	orig		D	trowel	4	48	90
Ethiopia	ETH-013	0	6	E66577	orig		D	trowel	16	82	120
Ethiopia	ETH-013	6	12	E66578	orig		D	trowel	12	74	130
Ethiopia	ETH-013	12	18	E66579	orig		D	trowel	8	74	120
Ethiopia	ETH-013	18	24	E66580	orig		D	trowel	12	78	120
Ethiopia	ETH-013	24	30	E66581	orig		D	trowel	8	68	130
Ethiopia	ETH-013	30	36	E66582	orig		D	trowel	12	64	100
Ethiopia	ETH-013	36	39	E66583	orig		D	trowel	20	50	70
Ethiopia	ETH-014	0	6	E66584	orig		D	trowel	4	36	80
Ethiopia	ETH-014	6	12	E66585	orig		D	trowel	6	40	70
Ethiopia	ETH-014	12	18	E66586	orig		D	trowel	4	44	70
Ethiopia	ETH-014	18	24	E66587	orig		D	trowel	8	34	60
Ethiopia	ETH-014	24	30	E66588	orig		D	trowel	16	46	70
Ethiopia	ETH-014	30	36	E66589	orig		D	trowel	14	44	50
Ethiopia	ETH-014	36	37	E66590	orig		D	trowel	14	56	80
Ethiopia	ETH-015	0	6	E66591	orig		D	trowel	8	34	70
Ethiopia	ETH-015	6	12	E66592	orig		D	trowel	6	18	70
Ethiopia	ETH-015	12	18	E66593	orig		D	trowel	4	22	100
Ethiopia	ETH-015	18	24	E66594	orig		D	trowel	6	22	80
Ethiopia	ETH-015	24	30	E66595	orig		D	trowel	4	14	90
Ethiopia	ETH-015	30	34	E66596	orig		D	trowel	10	22	70
Ethiopia	ETH-016	0	6	E66597	orig		D	trowel	4	24	70
Ethiopia	ETH-016	6	12	E66598	orig		D	trowel	4	28	60
Ethiopia	ETH-016	12	18	E66599	orig	E66600	D	trowel	8	26	70
Ethiopia	ETH-016	12	18	E66600	dup	E66599	D	trowel	4	34	40
Ethiopia	ETH-016	18	24	E66601	orig		D	trowel	4	34	70
Ethiopia	ETH-016	24	30	E66602	orig		D	trowel	4	24	60
Ethiopia	ETH-016	30	36	E66603	orig		D	trowel	4	26	40
Ethiopia	ETH-016	36	42	E66604	orig		D	trowel	6	30	50

Appendix 3 - Drill Hole Assay Results

Prospect	Hole ID	From	To	Sample No.	Samp Type	Std Dup ref	Samp Qual	Coll Method	U ppm	Th ppm	Ce ppm
Ethiopia	ETH-016	42	48	E66605	orig		D	trowel	4	22	40
Ethiopia	ETH-016	48	54	E66606	orig		D	trowel	4	28	40
Ethiopia	ETH-016	54	60	E66607	orig		D	trowel	6	22	40
Ethiopia	ETH-016	60	66	E66608	orig		D	trowel	4	26	30
Ethiopia	ETH-016	66	70	E66609	orig		D	trowel	12	26	50
Ethiopia	ETH-017	0	6	E66610	orig		D	trowel	8	56	100
Ethiopia	ETH-017	6	12	E66611	orig		D	trowel	8	58	100
Ethiopia	ETH-017	12	16	E66612	orig		D	trowel	12	62	80
Ethiopia	ETH-018	0	6	E66613	orig		D	trowel	4	32	40
Ethiopia	ETH-018	6	12	E66614	orig		D	trowel	6	44	60
Ethiopia	ETH-018	12	16	E66615	orig		D	trowel	8	52	100
Ethiopia	ETH-019	0	6	E66616	orig		D	trowel	6	62	100
Ethiopia	ETH-019	6	12	E66617	orig		D	trowel	4	44	130
Ethiopia	ETH-019	12	18	E66618	orig		D	trowel	10	66	130
Ethiopia	ETH-019	18	24	E66619	orig		D	trowel	14	74	130
Ethiopia	ETH-019	24	28	E66620	orig		D	trowel	12	70	120
Ethiopia	ETH-020	0	6	E66621	orig		D	trowel	6	50	90
Ethiopia	ETH-020	6	12	E66622	orig		D	trowel	4	44	60
Ethiopia	ETH-020	12	18	E66623	orig		D	trowel	10	46	60
Ethiopia	ETH-020	18	24	E66624	orig	E66625	D	trowel	14	50	70
Ethiopia	ETH-020	18	24	E66625	dup	E66624	D	trowel	12	48	90
Ethiopia	ETH-020	24	28	E66626	orig		D	trowel	8	22	50
Ethiopia	ETH-021	0	6	E66627	orig		D	trowel	8	56	80
Ethiopia	ETH-021	6	12	E66628	orig		D	trowel	14	52	70
Ethiopia	ETH-021	12	18	E66629	orig		D	trowel	16	50	80
Ethiopia	ETH-021	18	24	E66630	orig		D	trowel	20	50	80
Ethiopia	ETH-021	24	30	E66631	orig		D	trowel	18	56	80
Ethiopia	ETH-021	30	31	E66632	orig		D	trowel	18	34	60
Ethiopia	ETH-022	0	6	E66633	orig		D	trowel	4	20	60
Ethiopia	ETH-022	6	12	E66634	orig		D	trowel	8	24	80
Ethiopia	ETH-022	12	18	E66635	orig		D	trowel	6	16	50
Ethiopia	ETH-022	18	19	E66636	orig		D	trowel	4	12	50
Ethiopia	ETH-023	0	6	E66637	orig		D	trowel	4	20	70
Ethiopia	ETH-023	6	12	E66638	orig		D	trowel	4	12	40
Ethiopia	ETH-023	12	18	E66639	orig		D	trowel	4	38	50
Ethiopia	ETH-023	18	24	E66640	orig		D	trowel	12	56	110
Ethiopia	ETH-023	24	28	E66641	orig		D	trowel	10	56	120
Ethiopia	ETH-024	0	6	E66642	orig		D	trowel	12	60	100
Ethiopia	ETH-024	6	12	E66643	orig		D	trowel	6	26	30
Ethiopia	ETH-024	12	18	E66644	orig		D	trowel	14	64	130
Ethiopia	ETH-024	18	24	E66645	orig		D	trowel	8	54	100
Ethiopia	ETH-024	24	30	E66646	orig		D	trowel	10	58	100
Ethiopia	ETH-024	30	36	E66647	orig		D	trowel	10	64	110
Ethiopia	ETH-024	36	37	E66648	orig		D	trowel	4	30	50
Ethiopia	ETH-025	0	6	E66649	orig	E66650	D	trowel	8	66	110
Ethiopia	ETH-025	0	6	E66650	dup	E66649	D	trowel	8	68	90
Ethiopia	ETH-025	6	12	E66651	orig		D	trowel	6	74	130
Ethiopia	ETH-025	12	18	E66652	orig		D	trowel	6	62	110
Ethiopia	ETH-025	18	24	E66653	orig		D	trowel	12	76	120
Ethiopia	ETH-025	24	30	E66654	orig		D	trowel	10	72	120
Ethiopia	ETH-025	30	36	E66655	orig		D	trowel	12	54	110
Ethiopia	ETH-025	36	40	E66656	orig		D	trowel	12	76	130
Ethiopia	ETH-026	0	6	E66657	orig		D	trowel	8	64	100
Ethiopia	ETH-026	6	12	E66658	orig		D	trowel	10	56	100

Appendix 3 - Drill Hole Assay Results

Prospect	Hole ID	From	To	Sample No.	Samp Type	Std Dup ref	Samp Qual	Coll Method	U ppm	Th ppm	Ce ppm
Ethiopia	ETH-026	12	18	E66659	orig		D	trowel	10	70	110
Ethiopia	ETH-026	18	24	E66660	orig		D	trowel	14	48	90
Ethiopia	ETH-026	24	30	E66661	orig		D	trowel	12	70	110
Ethiopia	ETH-026	30	36	E66662	orig		D	trowel	18	76	170
Ethiopia	ETH-026	36	42	E66663	orig		D	trowel	8	44	100
Ethiopia	ETH-026	42	47	E66664	orig		D	trowel	10	64	100
Ethiopia	ETH-027	0	6	E66665	orig		D	trowel	8	60	90
Ethiopia	ETH-027	6	12	E66666	orig		D	trowel	6	78	180
Ethiopia	ETH-027	12	18	E66667	orig		D	trowel	12	62	110
Ethiopia	ETH-027	18	24	E66668	orig		D	trowel	14	70	100
Ethiopia	ETH-027	24	30	E66669	orig		D	trowel	24	48	60
Ethiopia	ETH-027	30	36	E66670	orig		D	trowel	12	44	50
Ethiopia	ETH-027	36	40	E66671	orig		D	trowel	16	46	80
Ethiopia	ETH-028	0	6	E66672	orig		D	trowel	10	50	80
Ethiopia	ETH-028	6	12	E66673	orig		D	trowel	10	56	70
Ethiopia	ETH-028	12	18	E66674	orig	E66675	D	trowel	14	54	90
Ethiopia	ETH-028	12	18	E66675	dup	E66674	D	trowel	8	52	90
Ethiopia	ETH-028	18	24	E66676	orig		D	trowel	6	42	70
Ethiopia	ETH-028	24	30	E66677	orig		D	trowel	16	44	70
Ethiopia	ETH-028	30	36	E66678	orig		D	trowel	30	54	130
Ethiopia	ETH-028	36	37	E66679	orig		D	trowel	20	54	70
Ethiopia	ETH-029	0	6	E66680	orig		D	trowel	4	50	210
Ethiopia	ETH-029	6	12	E66681	orig		D	trowel	16	16	450
Ethiopia	ETH-029	12	18	E66682	orig		D	trowel	24	44	500
Ethiopia	ETH-029	18	24	E66683	orig		D	trowel	10	18	430
Ethiopia	ETH-029	24	30	E66684	orig		D	trowel	20	50	190
Ethiopia	ETH-029	30	34	E66685	orig		D	trowel	28	44	90
Ethiopia	ETH-030	0	6	E66686	orig		D	trowel	4	28	40
Ethiopia	ETH-030	6	12	E66687	orig		D	trowel	8	40	70
Ethiopia	ETH-030	12	18	E66688	orig		D	trowel	12	36	60
Ethiopia	ETH-030	18	24	E66689	orig		D	trowel	18	40	60
Ethiopia	ETH-030	24	30	E66690	orig		W	trowel	18	46	60
Ethiopia	ETH-030	30	36	E66691	orig		W	trowel	8	36	50
Ethiopia	ETH-030	36	40	E66692	orig		W	trowel	8	46	80
Ethiopia	ETH-031	0	6	E66693	orig		D	trowel	4	40	80
Ethiopia	ETH-031	6	12	E66694	orig		D	trowel	6	52	70
Ethiopia	ETH-031	12	18	E66695	orig		D	trowel	8	44	90
Ethiopia	ETH-031	18	24	E66696	orig		D	trowel	12	44	80
Ethiopia	ETH-031	24	30	E66697	orig		D	trowel	8	28	70
Ethiopia	ETH-031	30	36	E66698	orig		W	trowel	8	46	70
Ethiopia	ETH-031	36	37	E66699	orig	E66700	W	trowel	6	32	60
Ethiopia	ETH-031	36	37	E66700	dup	E66699	W	trowel	4	28	40
Ethiopia	ETH-032	0	6	E66701	orig		D	trowel	6	32	80
Ethiopia	ETH-032	6	12	E66702	orig		D	trowel	4	40	80
Ethiopia	ETH-032	12	18	E66703	orig		D	trowel	8	46	70
Ethiopia	ETH-032	18	24	E66704	orig		D	trowel	14	46	90
Ethiopia	ETH-032	24	30	E66705	orig		D	trowel	18	42	80
Ethiopia	ETH-032	30	31	E66706	orig		D	trowel	12	44	70
Ethiopia	ETH-033	0	6	E66707	orig		D	trowel	6	62	70
Ethiopia	ETH-033	6	12	E66708	orig		D	trowel	20	120	160
Ethiopia	ETH-033	12	18	E66709	orig		D	trowel	22	120	160
Ethiopia	ETH-033	18	24	E66710	orig		D	trowel	18	110	140
Ethiopia	ETH-033	24	30	E66711	orig		D	trowel	16	86	140
Ethiopia	ETH-033	30	36	E66712	orig		D	trowel	22	90	160

Appendix 3 - Drill Hole Assay Results

Prospect	Hole ID	From	To	Sample No.	Samp Type	Std Dup ref	Samp Qual	Coll Method	U ppm	Th ppm	Ce ppm
Ethiopia	ETH-033	36	40	E66713	orig		D	trowel	24	78	130
Ethiopia	ETH-034	0	6	E66714	orig		D	trowel	14	100	120
Ethiopia	ETH-034	6	12	E66715	orig		D	trowel	12	84	110
Ethiopia	ETH-034	12	18	E66716	orig		D	trowel	4	62	100
Ethiopia	ETH-034	18	24	E66717	orig		D	trowel	10	58	80
Ethiopia	ETH-034	24	30	E66718	orig		D	trowel	8	34	60
Ethiopia	ETH-034	30	36	E66719	orig		D	trowel	6	26	50
Ethiopia	ETH-034	36	37	E66720	orig		D	trowel	12	32	60
Ethiopia	ETH-035	0	6	E66721	orig		D	trowel	4	56	110
Ethiopia	ETH-035	6	12	E66722	orig		D	trowel	4	70	130
Ethiopia	ETH-035	12	18	E66723	orig		D	trowel	12	80	150
Ethiopia	ETH-035	18	24	E66724	orig	E66725	D	trowel	10	66	150
Ethiopia	ETH-035	18	24	E66725	dup	E66724	D	trowel	10	70	130
Ethiopia	ETH-035	24	30	E66726	orig		D	trowel	20	64	120
Ethiopia	ETH-035	30	32	E66727	orig		D	trowel	10	78	170
Ethiopia	ETH-036	0	6	E66728	orig		D	trowel	4	24	50
Ethiopia	ETH-036	6	12	E66729	orig		D	trowel	4	18	30
Ethiopia	ETH-036	12	18	E66730	orig		D	trowel	4	18	30
Ethiopia	ETH-036	18	24	E66731	orig		D	trowel	8	46	90
Ethiopia	ETH-036	24	30	E66732	orig		D	trowel	12	74	100
Ethiopia	ETH-036	30	31	E66733	orig		D	trowel	4	46	90
Ethiopia	ETH-037	0	6	E66734	orig		D	trowel	14	72	110
Ethiopia	ETH-037	6	12	E66735	orig		D	trowel	10	70	150
Ethiopia	ETH-037	12	18	E66736	orig		D	trowel	10	58	100
Ethiopia	ETH-037	18	24	E66737	orig		D	trowel	8	66	110
Ethiopia	ETH-037	24	30	E66738	orig		D	trowel	12	88	160
Ethiopia	ETH-037	30	31	E66739	orig		D	trowel	14	84	160
Ethiopia	ETH-038	0	6	E66740	orig		D	trowel	8	54	80
Ethiopia	ETH-038	6	12	E66741	orig		D	trowel	6	70	100
Ethiopia	ETH-038	12	18	E66742	orig		D	trowel	10	80	140
Ethiopia	ETH-038	18	24	E66743	orig		D	trowel	6	80	100
Ethiopia	ETH-038	24	28	E66744	orig		D	trowel	10	60	120
Ethiopia	ETH-039	0	6	E66745	orig		D	trowel	6	40	50
Ethiopia	ETH-039	6	12	E66746	orig		D	trowel	14	58	80
Ethiopia	ETH-039	12	18	E66747	orig		D	trowel	12	56	70
Ethiopia	ETH-039	18	24	E66748	orig		D	trowel	12	60	110
Ethiopia	ETH-039	24	30	E66749	orig	E66750	D	trowel	12	20	90
Ethiopia	ETH-039	24	30	E66750	dup	E66749	D	trowel	10	24	80
Ethiopia	ETH-039	30	36	E66751	orig		D	trowel	12	16	50
Ethiopia	ETH-040	0	6	E66752	orig		D	trowel	12	52	100
Ethiopia	ETH-040	6	12	E66753	orig		D	trowel	8	44	70
Ethiopia	ETH-040	12	18	E66754	orig		D	trowel	10	42	50
Ethiopia	ETH-040	18	24	E66755	orig		D	trowel	16	54	90
Ethiopia	ETH-040	24	30	E66756	orig		D	trowel	38	86	110
Ethiopia	ETH-040	30	36	E66757	orig		D	trowel	18	48	80
Ethiopia	ETH-040	36	42	E66758	orig		D	trowel	26	42	70
Ethiopia	ETH-040	42	43	E66759	orig		D	trowel	20	40	70
Ethiopia	ETH-041	0	6	E66760	orig		D	trowel	12	84	120
Ethiopia	ETH-041	6	12	E66761	orig		D	trowel	14	78	130
Ethiopia	ETH-041	12	18	E66762	orig		D	trowel	10	74	130
Ethiopia	ETH-041	18	24	E66763	orig		D	trowel	10	68	90
Ethiopia	ETH-041	24	30	E66764	orig		D	trowel	12	48	80
Ethiopia	ETH-041	30	36	E66765	orig		D	trowel	8	56	70
Ethiopia	ETH-041	36	37	E66766	orig		D	trowel	8	66	110

APPENDIX 4

Drill Hole Scintillometer and Spectrometer Readings

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-001	0	1	547.5	535	12.5	Exploranium 110					
Ethiopia	ETH-001	1	2	640.5	535	105.5	Exploranium 110					
Ethiopia	ETH-001	2	3	654.4	535	119.4	Exploranium 110					
Ethiopia	ETH-001	3	4	637.6	535	102.6	Exploranium 110					
Ethiopia	ETH-001	4	5	677.3	535	142.3	Exploranium 110					
Ethiopia	ETH-001	5	6	659.6	535	124.6	Exploranium 110					
Ethiopia	ETH-001	6	7	613.0	535	78.0	Exploranium 110					
Ethiopia	ETH-001	7	8	684.3	535	149.3	Exploranium 110					
Ethiopia	ETH-001	8	9	668.8	535	133.8	Exploranium 110					
Ethiopia	ETH-001	9	10	551.0	535	16.0	Exploranium 110					
Ethiopia	ETH-001	10	11	534.9	535	-0.1	Exploranium 110					
Ethiopia	ETH-001	11	12	544.7	535	9.7	Exploranium 110					
Ethiopia	ETH-001	12	13	539.9	535	4.9	Exploranium 110					
Ethiopia	ETH-001	13	14	589.9	535	54.9	Exploranium 110					
Ethiopia	ETH-001	14	15	564.6	535	29.6	Exploranium 110					
Ethiopia	ETH-001	15	16	572.7	535	37.7	Exploranium 110					
Ethiopia	ETH-001	16	17	588.3	535	53.3	Exploranium 110					
Ethiopia	ETH-001	17	18	574.4	535	39.4	Exploranium 110					
Ethiopia	ETH-001	18	19	561.2	535	26.2	Exploranium 110					
Ethiopia	ETH-001	19	20	582.3	535	47.3	Exploranium 110					
Ethiopia	ETH-001	20	21	573.9	535	38.9	Exploranium 110					
Ethiopia	ETH-001	21	22	544.3	535	9.3	Exploranium 110					
Ethiopia	ETH-001	22	23	576.0	535	41.0	Exploranium 110					
Ethiopia	ETH-001	23	24	565.9	535	30.9	Exploranium 110					
Ethiopia	ETH-001	24	25	610.4	535	75.4	Exploranium 110					
Ethiopia	ETH-001	25	26	640.0	535	105.0	Exploranium 110	17.0	67.8	4.4	Exploranium GR-135G	
Ethiopia	ETH-001	26	27	567.9	535	32.9	Exploranium 110					
Ethiopia	ETH-001	27	28	585.7	535	50.7	Exploranium 110					
Ethiopia	ETH-001	28	29	631.9	535	96.9	Exploranium 110					
Ethiopia	ETH-001	29	30	658.0	535	123.0	Exploranium 110					
Ethiopia	ETH-001	30	31	714.8	535	179.8	Exploranium 110	17.6	67.2	3.6	Exploranium GR-135G	
Ethiopia	ETH-001	31	32	651.3	535	116.3	Exploranium 110					
Ethiopia	ETH-001	32	33	647.8	535	112.8	Exploranium 110					
Ethiopia	ETH-001	33	34	590.0	535	55.0	Exploranium 110					
Ethiopia	ETH-001	34	35	624.0	535	89.0	Exploranium 110					
Ethiopia	ETH-001	35	36	624.4	535	89.4	Exploranium 110					
Ethiopia	ETH-001	36	37	595.0	535	60.0	Exploranium 110					
Ethiopia	ETH-001	37	38	720.9	535	185.9	Exploranium 110					
Ethiopia	ETH-001	38	39	800.0	535	265.0	Exploranium 110	42.0	29.5	3.0	Exploranium GR-135G	
Ethiopia	ETH-001	39	40	813.1	535	278.1	Exploranium 110	26.8	42.3	6.1	Exploranium GR-135G	
Ethiopia	ETH-001	40	41	718.0	535	183.0	Exploranium 110	5.4	62.8	4.1	Exploranium GR-135G	
Ethiopia	ETH-001	41	42	1008.0	535	473.0	Exploranium 110	40.6	56.7	5.8	Exploranium GR-135G	
Ethiopia	ETH-001	42	43	893.8	535	358.8	Exploranium 110	23.9	53.7	6.5	Exploranium GR-135G	
Ethiopia	ETH-001	43	44	697.3	535	162.3	Exploranium 110					
Ethiopia	ETH-001	44	45	601.2	535	66.2	Exploranium 110					
Ethiopia	ETH-001	45	46	601.4	535	66.4	Exploranium 110					
Ethiopia	ETH-002	0	1	434.5	455	-20.5	Exploranium 110					
Ethiopia	ETH-002	1	2	423.2	455	-31.8	Exploranium 110					
Ethiopia	ETH-002	2	3	465.3	455	10.3	Exploranium 110					
Ethiopia	ETH-002	3	4	513.8	455	58.8	Exploranium 110					
Ethiopia	ETH-002	4	5	475.2	455	20.2	Exploranium 110					
Ethiopia	ETH-002	5	6	449.2	455	-5.8	Exploranium 110					
Ethiopia	ETH-002	6	7	477.0	455	22.0	Exploranium 110					
Ethiopia	ETH-002	7	8	477.5	455	22.5	Exploranium 110					
Ethiopia	ETH-002	8	9	488.3	455	33.3	Exploranium 110					
Ethiopia	ETH-002	9	10	481.2	455	26.2	Exploranium 110					
Ethiopia	ETH-002	10	11	454.6	455	-0.4	Exploranium 110					
Ethiopia	ETH-002	11	12	553.6	455	98.6	Exploranium 110					
Ethiopia	ETH-002	12	13	538.7	455	83.7	Exploranium 110					
Ethiopia	ETH-002	13	14	648.9	455	193.9	Exploranium 110					
Ethiopia	ETH-002	14	15	543.7	455	88.7	Exploranium 110					
Ethiopia	ETH-002	15	16	530.4	455	75.4	Exploranium 110					
Ethiopia	ETH-002	16	17	551.2	455	96.2	Exploranium 110					
Ethiopia	ETH-002	17	18	626.8	455	171.8	Exploranium 110					
Ethiopia	ETH-002	18	19	548.1	455	93.1	Exploranium 110					
Ethiopia	ETH-002	19	20	529.0	455	74.0	Exploranium 110					
Ethiopia	ETH-002	20	21	481.2	455	26.2	Exploranium 110					
Ethiopia	ETH-002	21	22	516.5	455	61.5	Exploranium 110					
Ethiopia	ETH-002	22	23	543.7	455	88.7	Exploranium 110					
Ethiopia	ETH-002	23	24	551.3	455	96.3	Exploranium 110					
Ethiopia	ETH-002	24	25	541.0	455	86.0	Exploranium 110					
Ethiopia	ETH-002	25	26	583.8	455	128.8	Exploranium 110					
Ethiopia	ETH-002	26	27	531.3	455	76.3	Exploranium 110					
Ethiopia	ETH-002	27	28	536.2	455	81.2	Exploranium 110					
Ethiopia	ETH-002	28	29	579.7	455	124.7	Exploranium 110					
Ethiopia	ETH-002	29	30	629.3	455	174.3	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-002	30	31	525.9	455	70.9	Exploranium 110					
Ethiopia	ETH-002	31	32	533.4	455	78.4	Exploranium 110					
Ethiopia	ETH-002	32	33	575.1	455	120.1	Exploranium 110					
Ethiopia	ETH-002	33	34	569.8	455	114.8	Exploranium 110					
Ethiopia	ETH-002	34	35	546.1	455	91.1	Exploranium 110					
Ethiopia	ETH-002	35	36	642.3	455	187.3	Exploranium 110	28.0	46.9	4.8	Exploranium GR-135G	
Ethiopia	ETH-002	36	37	629.1	455	174.1	Exploranium 110					
Ethiopia	ETH-002	37	38	682.3	455	227.3	Exploranium 110	23.0	40.0	4.3	Exploranium GR-135G	
Ethiopia	ETH-002	38	39	665.6	455	210.6	Exploranium 110					
Ethiopia	ETH-002	39	40	577.9	455	122.9	Exploranium 110					
Ethiopia	ETH-003	0	1	367.8	360	7.8	Exploranium 110					
Ethiopia	ETH-003	1	2	375.1	360	15.1	Exploranium 110					
Ethiopia	ETH-003	2	3	372.4	360	12.4	Exploranium 110					
Ethiopia	ETH-003	3	4	361.3	360	1.3	Exploranium 110					
Ethiopia	ETH-003	4	5	382.7	360	22.7	Exploranium 110					
Ethiopia	ETH-003	5	6	341.4	360	-18.6	Exploranium 110					
Ethiopia	ETH-003	6	7	345.8	360	-14.2	Exploranium 110					
Ethiopia	ETH-003	7	8	328.4	360	-31.6	Exploranium 110					
Ethiopia	ETH-003	8	9	311.1	360	-48.9	Exploranium 110					
Ethiopia	ETH-003	9	10	285.8	360	-74.2	Exploranium 110					
Ethiopia	ETH-003	10	11	365.6	360	5.6	Exploranium 110					
Ethiopia	ETH-003	11	12	422.0	360	62.0	Exploranium 110					
Ethiopia	ETH-003	12	13	356.1	360	-3.9	Exploranium 110					
Ethiopia	ETH-003	13	14	401.3	360	41.3	Exploranium 110					
Ethiopia	ETH-003	14	15	481.1	360	121.1	Exploranium 110					
Ethiopia	ETH-003	15	16	504.5	360	144.5	Exploranium 110					
Ethiopia	ETH-003	16	17	471.3	360	111.3	Exploranium 110					
Ethiopia	ETH-003	17	18	364.3	360	4.3	Exploranium 110					
Ethiopia	ETH-003	18	19	289.8	360	-70.2	Exploranium 110					
Ethiopia	ETH-003	19	20	274.2	360	-85.8	Exploranium 110					
Ethiopia	ETH-003	20	21	292.8	360	-67.2	Exploranium 110					
Ethiopia	ETH-003	21	22	274.3	360	-85.7	Exploranium 110					
Ethiopia	ETH-003	22	23	275.6	360	-84.4	Exploranium 110					
Ethiopia	ETH-003	23	24	299.2	360	-60.8	Exploranium 110					
Ethiopia	ETH-003	24	25	295.1	360	-64.9	Exploranium 110					
Ethiopia	ETH-003	25	26	355.4	360	-4.6	Exploranium 110					
Ethiopia	ETH-003	26	27	432.8	360	72.8	Exploranium 110					
Ethiopia	ETH-003	27	28	468.1	360	108.1	Exploranium 110					
Ethiopia	ETH-003	28	29	504.3	360	144.3	Exploranium 110					
Ethiopia	ETH-003	29	30	545.1	360	185.1	Exploranium 110					
Ethiopia	ETH-003	30	31	450.0	360	90.0	Exploranium 110					
Ethiopia	ETH-003	31	32	566.6	360	206.6	Exploranium 110					
Ethiopia	ETH-003	32	33	475.9	360	115.9	Exploranium 110					
Ethiopia	ETH-003	33	34	610.6	360	250.6	Exploranium 110	6.2	53.5	5.4	Exploranium GR-135G	
Ethiopia	ETH-003	34	35	516.9	360	156.9	Exploranium 110					
Ethiopia	ETH-003	35	36	512.4	360	152.4	Exploranium 110					
Ethiopia	ETH-003	36	37	545.6	360	185.6	Exploranium 110					
Ethiopia	ETH-003	37	38	582.6	360	222.6	Exploranium 110	11.5	41.0	5.1	Exploranium GR-135G	
Ethiopia	ETH-003	38	39	557.9	360	197.9	Exploranium 110					
Ethiopia	ETH-003	39	40	564.2	360	204.2	Exploranium 110					
Ethiopia	ETH-004	0	1	484.6	445	39.6	Exploranium 110					
Ethiopia	ETH-004	1	2	519.7	445	74.7	Exploranium 110					
Ethiopia	ETH-004	2	3	577.8	445	132.8	Exploranium 110					
Ethiopia	ETH-004	3	4	475.0	445	30.0	Exploranium 110					
Ethiopia	ETH-004	4	5	616.9	445	171.9	Exploranium 110					
Ethiopia	ETH-004	5	6	675.5	445	230.5	Exploranium 110					
Ethiopia	ETH-004	6	7	612.3	445	167.3	Exploranium 110					
Ethiopia	ETH-004	7	8	565.3	445	120.3	Exploranium 110					
Ethiopia	ETH-004	8	9	495.6	445	50.6	Exploranium 110					
Ethiopia	ETH-004	9	10	596.6	445	151.6	Exploranium 110					
Ethiopia	ETH-004	10	11	543.3	445	98.3	Exploranium 110					
Ethiopia	ETH-004	11	12	560.1	445	115.1	Exploranium 110					
Ethiopia	ETH-004	12	13	525.3	445	80.3	Exploranium 110					
Ethiopia	ETH-004	13	14	564.7	445	119.7	Exploranium 110					
Ethiopia	ETH-004	14	15	577.5	445	132.5	Exploranium 110					
Ethiopia	ETH-004	15	16	566.7	445	121.7	Exploranium 110					
Ethiopia	ETH-004	16	17	615.1	445	170.1	Exploranium 110					
Ethiopia	ETH-004	17	18	571.8	445	126.8	Exploranium 110					
Ethiopia	ETH-004	18	19	589.8	445	144.8	Exploranium 110					
Ethiopia	ETH-004	19	20	644.8	445	199.8	Exploranium 110	16.0	85.5	2.6	Exploranium GR-135G	
Ethiopia	ETH-004	20	21	680.5	445	235.5	Exploranium 110	14.4	65.1	6.4	Exploranium GR-135G	
Ethiopia	ETH-004	21	22	562.1	445	117.1	Exploranium 110					
Ethiopia	ETH-004	22	23	562.4	445	117.4	Exploranium 110					
Ethiopia	ETH-004	23	24	581.8	445	136.8	Exploranium 110					
Ethiopia	ETH-004	24	25	569.7	445	124.7	Exploranium 110					
Ethiopia	ETH-005	0	1	429.6	470	-40.4	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-005	1	2	386.5	470	-83.5	Exploranium 110					
Ethiopia	ETH-005	2	3	376.2	470	-93.8	Exploranium 110					
Ethiopia	ETH-005	3	4	391.8	470	-78.2	Exploranium 110					
Ethiopia	ETH-005	4	5	390.3	470	-79.7	Exploranium 110					
Ethiopia	ETH-005	5	6	430.9	470	-39.1	Exploranium 110					
Ethiopia	ETH-005	6	7	476.2	470	6.2	Exploranium 110					
Ethiopia	ETH-005	7	8	489.6	470	19.6	Exploranium 110					
Ethiopia	ETH-005	8	9	506.2	470	36.2	Exploranium 110					
Ethiopia	ETH-005	9	10	468.1	470	-1.9	Exploranium 110					
Ethiopia	ETH-005	10	11	419.4	470	-50.6	Exploranium 110					
Ethiopia	ETH-005	11	12	439.8	470	-30.2	Exploranium 110					
Ethiopia	ETH-005	12	13	482.8	470	12.8	Exploranium 110					
Ethiopia	ETH-005	13	14	524.6	470	54.6	Exploranium 110					
Ethiopia	ETH-005	14	15	537.6	470	67.6	Exploranium 110					
Ethiopia	ETH-005	15	16	576.1	470	106.1	Exploranium 110					
Ethiopia	ETH-005	16	17	544.4	470	74.4	Exploranium 110					
Ethiopia	ETH-005	17	18	540.9	470	70.9	Exploranium 110					
Ethiopia	ETH-005	18	19	545.1	470	75.1	Exploranium 110					
Ethiopia	ETH-005	19	20	572.8	470	102.8	Exploranium 110					
Ethiopia	ETH-005	20	21	537.4	470	67.4	Exploranium 110					
Ethiopia	ETH-005	21	22	554.8	470	84.8	Exploranium 110					
Ethiopia	ETH-005	22	23	589.6	470	119.6	Exploranium 110					
Ethiopia	ETH-005	23	24	603.4	470	133.4	Exploranium 110					
Ethiopia	ETH-005	24	25	521.2	470	51.2	Exploranium 110					
Ethiopia	ETH-005	25	26	581.9	470	111.9	Exploranium 110					
Ethiopia	ETH-005	26	27	557.0	470	87.0	Exploranium 110					
Ethiopia	ETH-005	27	28	537.3	470	67.3	Exploranium 110					
Ethiopia	ETH-005	28	29	554.7	470	84.7	Exploranium 110					
Ethiopia	ETH-005	29	30	584.2	470	114.2	Exploranium 110					
Ethiopia	ETH-005	30	31	548.2	470	78.2	Exploranium 110					
Ethiopia	ETH-005	31	32	617.5	470	147.5	Exploranium 110					
Ethiopia	ETH-005	32	33	652.8	470	182.8	Exploranium 110	0.0	90.7	5.4	Exploranium GR-135G	
Ethiopia	ETH-005	33	34	613.1	470	143.1	Exploranium 110					
Ethiopia	ETH-005	34	35	642.7	470	172.7	Exploranium 110	1.3	82.8	6.3	Exploranium GR-135G	
Ethiopia	ETH-005	35	36	544.3	470	74.3	Exploranium 110					
Ethiopia	ETH-005	36	37	522.8	470	52.8	Exploranium 110					
Ethiopia	ETH-005	37	38	544.7	470	74.7	Exploranium 110					
Ethiopia	ETH-005	38	39	563.0	470	93.0	Exploranium 110					
Ethiopia	ETH-005	39	40	541.0	470	71.0	Exploranium 110					
Ethiopia	ETH-006	0	1	574.9	645	-70.1	Exploranium 110					
Ethiopia	ETH-006	1	2	620.1	645	-24.9	Exploranium 110					
Ethiopia	ETH-006	2	3	591.5	645	-53.5	Exploranium 110					
Ethiopia	ETH-006	3	4	601.1	645	-43.9	Exploranium 110					
Ethiopia	ETH-006	4	5	623.7	645	-21.3	Exploranium 110					
Ethiopia	ETH-006	5	6	589.3	645	-55.7	Exploranium 110					
Ethiopia	ETH-006	6	7	576.3	645	-68.7	Exploranium 110					
Ethiopia	ETH-006	7	8	582.7	645	-62.3	Exploranium 110					
Ethiopia	ETH-006	8	9	634.8	645	-10.2	Exploranium 110	12.1	64.1	5.3	Exploranium GR-135G	
Ethiopia	ETH-006	9	10	580.3	645	-64.7	Exploranium 110					
Ethiopia	ETH-006	10	11	598.0	645	-47.0	Exploranium 110					
Ethiopia	ETH-006	11	12	546.1	645	-98.9	Exploranium 110					
Ethiopia	ETH-006	12	13	525.7	645	-119.3	Exploranium 110					
Ethiopia	ETH-006	13	14	480.6	645	-164.4	Exploranium 110					
Ethiopia	ETH-006	14	15	474.1	645	-170.9	Exploranium 110					
Ethiopia	ETH-006	15	16	490.2	645	-154.8	Exploranium 110					
Ethiopia	ETH-006	16	17	535.8	645	-109.2	Exploranium 110					
Ethiopia	ETH-006	17	18	547.4	645	-97.6	Exploranium 110					
Ethiopia	ETH-006	18	19	533.0	645	-112.0	Exploranium 110					
Ethiopia	ETH-006	19	20	582.7	645	-62.3	Exploranium 110					
Ethiopia	ETH-006	20	21	520.4	645	-124.6	Exploranium 110					
Ethiopia	ETH-006	21	22	520.6	645	-124.4	Exploranium 110					
Ethiopia	ETH-006	22	23	516.3	645	-128.7	Exploranium 110					
Ethiopia	ETH-006	23	24	533.0	645	-112.0	Exploranium 110					
Ethiopia	ETH-006	24	25	464.6	645	-180.4	Exploranium 110					
Ethiopia	ETH-006	25	26	539.5	645	-105.5	Exploranium 110					
Ethiopia	ETH-006	26	27	511.3	645	-133.7	Exploranium 110					
Ethiopia	ETH-006	27	28	534.8	645	-110.2	Exploranium 110					
Ethiopia	ETH-006	28	29	515.5	645	-129.5	Exploranium 110					
Ethiopia	ETH-006	29	30	489.0	645	-156.0	Exploranium 110					
Ethiopia	ETH-006	30	31	506.6	645	-138.4	Exploranium 110					
Ethiopia	ETH-006	31	32	544.5	645	-100.5	Exploranium 110					
Ethiopia	ETH-006	32	33	575.1	645	-69.9	Exploranium 110					
Ethiopia	ETH-006	33	34	554.9	645	-90.1	Exploranium 110					
Ethiopia	ETH-006	34	35	629.4	645	-15.6	Exploranium 110					
Ethiopia	ETH-006	35	36	612.5	645	-32.5	Exploranium 110					
Ethiopia	ETH-006	36	37	719.0	645	74.0	Exploranium 110	22	58.6	4.4	Exploranium GR-135G	

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-006	37	38	647.2	645	2.2	Exploranium 110	10.3	80	4.6	Exploranium GR-135G	
Ethiopia	ETH-006	38	39	615.2	645	-29.8	Exploranium 110					
Ethiopia	ETH-006	39	40	643.9	645	-1.1	Exploranium 110	4.8	84	4.5	Exploranium GR-135G	
Ethiopia	ETH-007	0	1	452.6	495	-42.4	Exploranium 110					
Ethiopia	ETH-007	1	2	427.9	495	-67.1	Exploranium 110					
Ethiopia	ETH-007	2	3	440.4	495	-54.6	Exploranium 110					
Ethiopia	ETH-007	3	4	441.1	495	-53.9	Exploranium 110					
Ethiopia	ETH-007	4	5	395.7	495	-99.3	Exploranium 110					
Ethiopia	ETH-007	5	6	404.6	495	-90.4	Exploranium 110					
Ethiopia	ETH-007	6	7	416.8	495	-78.2	Exploranium 110					
Ethiopia	ETH-007	7	8	405.7	495	-89.3	Exploranium 110					
Ethiopia	ETH-007	8	9	417.9	495	-77.1	Exploranium 110					
Ethiopia	ETH-007	9	10	472.0	495	-23.0	Exploranium 110					
Ethiopia	ETH-007	10	11	459.3	495	-35.7	Exploranium 110					
Ethiopia	ETH-007	11	12	464.2	495	-30.8	Exploranium 110					
Ethiopia	ETH-007	12	13	462.4	495	-32.6	Exploranium 110					
Ethiopia	ETH-007	13	14	467.1	495	-27.9	Exploranium 110					
Ethiopia	ETH-007	14	15	494.8	495	-0.2	Exploranium 110					
Ethiopia	ETH-007	15	16	486.1	495	-8.9	Exploranium 110					
Ethiopia	ETH-007	16	17	578.9	495	83.9	Exploranium 110					
Ethiopia	ETH-007	17	18	518.2	495	23.2	Exploranium 110					
Ethiopia	ETH-007	18	19	531.6	495	36.6	Exploranium 110					
Ethiopia	ETH-007	19	20	586.7	495	91.7	Exploranium 110					
Ethiopia	ETH-007	20	21	512.7	495	17.7	Exploranium 110					
Ethiopia	ETH-007	21	22	574.1	495	79.1	Exploranium 110					
Ethiopia	ETH-007	22	23	601.7	495	106.7	Exploranium 110					
Ethiopia	ETH-007	23	24	593.8	495	98.8	Exploranium 110					
Ethiopia	ETH-007	24	25	611.6	495	116.6	Exploranium 110					
Ethiopia	ETH-007	25	26	614.5	495	119.5	Exploranium 110					
Ethiopia	ETH-007	26	27	622.7	495	127.7	Exploranium 110					
Ethiopia	ETH-007	27	28	642.8	495	147.8	Exploranium 110	6.1	67.8	4	Exploranium GR-135G	
Ethiopia	ETH-007	28	29	599.4	495	104.4	Exploranium 110					
Ethiopia	ETH-007	29	30	592.7	495	97.7	Exploranium 110					
Ethiopia	ETH-007	30	31	566.3	495	71.3	Exploranium 110					
Ethiopia	ETH-007	31	32	610.6	495	115.6	Exploranium 110					
Ethiopia	ETH-007	32	33	600.8	495	105.8	Exploranium 110					
Ethiopia	ETH-007	33	34	692.6	495	197.6	Exploranium 110	9.5	61.5	3.6	Exploranium GR-135G	
Ethiopia	ETH-008	0	1	631.5	590	41.5	Exploranium 110					
Ethiopia	ETH-008	1	2	647.0	590	57.0	Exploranium 110					
Ethiopia	ETH-008	2	3	602.2	590	12.2	Exploranium 110					
Ethiopia	ETH-008	3	4	585.2	590	-4.8	Exploranium 110					
Ethiopia	ETH-008	4	5	687.9	590	97.9	Exploranium 110	13.6	73.3	3.5	Exploranium GR-135G	
Ethiopia	ETH-008	5	6	634.2	590	44.2	Exploranium 110					
Ethiopia	ETH-008	6	7	541.2	590	-48.8	Exploranium 110					
Ethiopia	ETH-008	7	8	578.9	590	-11.1	Exploranium 110					
Ethiopia	ETH-008	8	9	557.9	590	-32.1	Exploranium 110					
Ethiopia	ETH-008	9	10	547.4	590	-42.6	Exploranium 110					
Ethiopia	ETH-008	10	11	547.2	590	-42.8	Exploranium 110					
Ethiopia	ETH-008	11	12	571.8	590	-18.2	Exploranium 110					
Ethiopia	ETH-008	12	13	570.6	590	-19.4	Exploranium 110					
Ethiopia	ETH-008	13	14	605.1	590	15.1	Exploranium 110					
Ethiopia	ETH-008	14	15	619.0	590	29.0	Exploranium 110					
Ethiopia	ETH-008	15	16	534.6	590	-55.4	Exploranium 110					
Ethiopia	ETH-008	16	17	466.3	590	-123.7	Exploranium 110					
Ethiopia	ETH-008	17	18	663.7	590	73.7	Exploranium 110	12.2	70.8	2.8	Exploranium GR-135G	
Ethiopia	ETH-008	18	19	762.6	590	172.6	Exploranium 110	6.5	88.2	3.8	Exploranium GR-135G	
Ethiopia	ETH-008	19	20	651.2	590	61.2	Exploranium 110	12.2	86.4	2.6	Exploranium GR-135G	
Ethiopia	ETH-008	20	21	606.1	590	16.1	Exploranium 110					
Ethiopia	ETH-008	21	22	627.7	590	37.7	Exploranium 110					
Ethiopia	ETH-008	22	23	651.8	590	61.8	Exploranium 110					
Ethiopia	ETH-008	23	24	663.0	590	73.0	Exploranium 110					
Ethiopia	ETH-008	24	25	673.0	590	83.0	Exploranium 110					
Ethiopia	ETH-008	25	26	631.4	590	41.4	Exploranium 110					
Ethiopia	ETH-008	26	27	686.3	590	96.3	Exploranium 110	6.4	81.4	5.8	Exploranium GR-135G	
Ethiopia	ETH-008	27	28	655.6	590	65.6	Exploranium 110					
Ethiopia	ETH-008	28	29	629.4	590	39.4	Exploranium 110					
Ethiopia	ETH-008	29	30	653.8	590	63.8	Exploranium 110					
Ethiopia	ETH-008	30	31	622.1	590	32.1	Exploranium 110					
Ethiopia	ETH-008	31	32	649.3	590	59.3	Exploranium 110					
Ethiopia	ETH-008	32	33	650.1	590	60.1	Exploranium 110					
Ethiopia	ETH-008	33	34	678.9	590	88.9	Exploranium 110	3.5	84.8	6	Exploranium GR-135G	
Ethiopia	ETH-008	34	35	658.3	590	68.3	Exploranium 110					
Ethiopia	ETH-008	35	36	573.1	590	-16.9	Exploranium 110					
Ethiopia	ETH-009	0	1	606.9	590	16.9	Exploranium 110					
Ethiopia	ETH-009	1	2	686.5	590	96.5	Exploranium 110	11.6	67.5	6.8	Exploranium GR-135G	
Ethiopia	ETH-009	2	3	683.2	590	93.2	Exploranium 110	14.8	65.9	5.1	Exploranium GR-135G	

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-009	3	4	616.8	590	26.8	Exploranium 110					
Ethiopia	ETH-009	4	5	588.8	590	-1.2	Exploranium 110					
Ethiopia	ETH-009	5	6	585.5	590	-4.5	Exploranium 110					
Ethiopia	ETH-009	6	7	568.5	590	-21.5	Exploranium 110					
Ethiopia	ETH-009	7	8	589.0	590	-1.0	Exploranium 110					
Ethiopia	ETH-009	8	9	605.8	590	15.8	Exploranium 110					
Ethiopia	ETH-009	9	10	557.5	590	-32.5	Exploranium 110					
Ethiopia	ETH-009	10	11	577.8	590	-12.2	Exploranium 110					
Ethiopia	ETH-009	11	12	573.2	590	-16.8	Exploranium 110					
Ethiopia	ETH-009	12	13	589.5	590	-0.5	Exploranium 110					
Ethiopia	ETH-009	13	14	641.3	590	51.3	Exploranium 110					
Ethiopia	ETH-009	14	15	695.6	590	105.6	Exploranium 110	8.8	85.5	4.1	Exploranium GR-135G	
Ethiopia	ETH-009	15	16	623.0	590	33.0	Exploranium 110					
Ethiopia	ETH-009	16	17	737.8	590	147.8	Exploranium 110	13.2	84.1	3.9	Exploranium GR-135G	
Ethiopia	ETH-009	17	18	671.9	590	81.9	Exploranium 110					
Ethiopia	ETH-009	18	19	644.7	590	54.7	Exploranium 110					
Ethiopia	ETH-009	19	20	667.7	590	77.7	Exploranium 110					
Ethiopia	ETH-009	20	21	617.2	590	27.2	Exploranium 110					
Ethiopia	ETH-009	21	22	616.7	590	26.7	Exploranium 110					
Ethiopia	ETH-009	22	23	642.8	590	52.8	Exploranium 110					
Ethiopia	ETH-009	23	24	649.1	590	59.1	Exploranium 110					
Ethiopia	ETH-009	24	25	648.6	590	58.6	Exploranium 110					
Ethiopia	ETH-009	25	26	644.2	590	54.2	Exploranium 110					
Ethiopia	ETH-009	26	27	634.1	590	44.1	Exploranium 110					
Ethiopia	ETH-009	27	28	629.9	590	39.9	Exploranium 110					
Ethiopia	ETH-009	28	29	647.7	590	57.7	Exploranium 110					
Ethiopia	ETH-009	29	30	586.3	590	-3.7	Exploranium 110					
Ethiopia	ETH-009	30	31	604.7	590	14.7	Exploranium 110					
Ethiopia	ETH-009	31	32	669.1	590	79.1	Exploranium 110					
Ethiopia	ETH-009	32	33	683.9	590	93.9	Exploranium 110	10.8	79.6	4.6	Exploranium GR-135G	
Ethiopia	ETH-009	33	34	660.1	590	70.1	Exploranium 110					
Ethiopia	ETH-010	0	1	728.0	790	-62.0	Exploranium 110					
Ethiopia	ETH-010	1	2	740.7	790	-49.3	Exploranium 110					
Ethiopia	ETH-010	2	3	701.9	790	-88.1	Exploranium 110					
Ethiopia	ETH-010	3	4	704.3	790	-85.7	Exploranium 110					
Ethiopia	ETH-010	4	5	666.7	790	-123.3	Exploranium 110					
Ethiopia	ETH-010	5	6	748.8	790	-41.2	Exploranium 110					
Ethiopia	ETH-010	6	7	704.8	790	-85.2	Exploranium 110					
Ethiopia	ETH-010	7	8	747.7	790	-42.3	Exploranium 110					
Ethiopia	ETH-010	8	9	707.2	790	-82.8	Exploranium 110					
Ethiopia	ETH-010	9	10	669.4	790	-120.6	Exploranium 110					
Ethiopia	ETH-010	10	11	702.6	790	-87.4	Exploranium 110					
Ethiopia	ETH-010	11	12	727.4	790	-62.6	Exploranium 110					
Ethiopia	ETH-010	12	13	675.7	790	-114.3	Exploranium 110					
Ethiopia	ETH-010	13	14	756.9	790	-33.1	Exploranium 110					
Ethiopia	ETH-010	14	15	670.6	790	-119.4	Exploranium 110					
Ethiopia	ETH-010	15	16	658.8	790	-131.2	Exploranium 110					
Ethiopia	ETH-010	16	17	701.1	790	-88.9	Exploranium 110					
Ethiopia	ETH-010	17	18	671.8	790	-118.2	Exploranium 110					
Ethiopia	ETH-010	18	19	616.2	790	-173.8	Exploranium 110					
Ethiopia	ETH-010	19	20	661.3	790	-128.7	Exploranium 110					
Ethiopia	ETH-010	20	21	686.1	790	-103.9	Exploranium 110					
Ethiopia	ETH-010	21	22	663.4	790	-126.6	Exploranium 110					
Ethiopia	ETH-010	22	23	767.2	790	-22.8	Exploranium 110	13.7	76.3	5.1	Exploranium GR-135G	
Ethiopia	ETH-010	23	24	738.5	790	-51.5	Exploranium 110					
Ethiopia	ETH-010	24	25	703.0	790	-87.0	Exploranium 110					
Ethiopia	ETH-010	25	26	750.4	790	-39.6	Exploranium 110					
Ethiopia	ETH-010	26	27	748.7	790	-41.3	Exploranium 110					
Ethiopia	ETH-010	27	28	697.4	790	-92.6	Exploranium 110					
Ethiopia	ETH-010	28	29	780.8	790	-9.2	Exploranium 110	13.9	71.1	4.9	Exploranium GR-135G	
Ethiopia	ETH-011	0	1	708.4	750	-41.6	Exploranium 110					
Ethiopia	ETH-011	1	2	798.3	750	48.3	Exploranium 110	11.8	77	5.6	Exploranium GR-135G	
Ethiopia	ETH-011	2	3	723.2	750	-26.8	Exploranium 110					
Ethiopia	ETH-011	3	4	700.7	750	-49.3	Exploranium 110					
Ethiopia	ETH-011	4	5	698.7	750	-51.3	Exploranium 110					
Ethiopia	ETH-011	5	6	707.6	750	-42.4	Exploranium 110					
Ethiopia	ETH-011	6	7	667.5	750	-82.5	Exploranium 110					
Ethiopia	ETH-011	7	8	676.4	750	-73.6	Exploranium 110					
Ethiopia	ETH-011	8	9	671.2	750	-78.8	Exploranium 110					
Ethiopia	ETH-011	9	10	669.1	750	-80.9	Exploranium 110					
Ethiopia	ETH-011	10	11	705.9	750	-44.1	Exploranium 110					
Ethiopia	ETH-011	11	12	701.9	750	-48.1	Exploranium 110					
Ethiopia	ETH-011	12	13	672.9	750	-77.1	Exploranium 110					
Ethiopia	ETH-011	13	14	701.7	750	-48.3	Exploranium 110					
Ethiopia	ETH-011	14	15	705.4	750	-44.6	Exploranium 110					
Ethiopia	ETH-011	15	16	678.9	750	-71.1	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-011	16	17	719.7	750	-30.3	Exploranium 110					
Ethiopia	ETH-011	17	18	701.6	750	-48.4	Exploranium 110					
Ethiopia	ETH-011	18	19	661.6	750	-88.4	Exploranium 110					
Ethiopia	ETH-011	19	20	703.7	750	-46.3	Exploranium 110					
Ethiopia	ETH-011	20	21	592.3	750	-157.7	Exploranium 110					
Ethiopia	ETH-011	21	22	679.4	750	-70.6	Exploranium 110					
Ethiopia	ETH-011	22	23	681.0	750	-69.0	Exploranium 110					
Ethiopia	ETH-011	23	24	682.3	750	-67.7	Exploranium 110					
Ethiopia	ETH-011	24	25	717.8	750	-32.2	Exploranium 110					
Ethiopia	ETH-011	25	26	728.6	750	-21.4	Exploranium 110					
Ethiopia	ETH-011	26	27	766.0	750	16.0	Exploranium 110	18.8	74.9	4.5	Exploranium GR-135G	
Ethiopia	ETH-011	27	28	754.3	750	4.3	Exploranium 110					
Ethiopia	ETH-011	28	29	739.3	750	-10.7	Exploranium 110					
Ethiopia	ETH-011	29	30	717.5	750	-32.5	Exploranium 110	23.2	73.3	3.4	Exploranium GR-135G	
Ethiopia	ETH-011	30	31	766.0	750	16.0	Exploranium 110					
Ethiopia	ETH-012	0	1	700.4	675	25.4	Exploranium 110					
Ethiopia	ETH-012	1	2	723.2	675	48.2	Exploranium 110					
Ethiopia	ETH-012	2	3	819.7	675	144.7	Exploranium 110	8.9	107.4	2.4	Exploranium GR-135G	
Ethiopia	ETH-012	3	4	807.9	675	132.9	Exploranium 110	9.9	104.8	3	Exploranium GR-135G	
Ethiopia	ETH-012	4	5	792.0	675	117.0	Exploranium 110	0	121.9	5.6	Exploranium GR-135G	
Ethiopia	ETH-012	5	6	734.5	675	59.5	Exploranium 110					
Ethiopia	ETH-012	6	7	675.5	675	0.5	Exploranium 110					
Ethiopia	ETH-012	7	8	687.3	675	12.3	Exploranium 110					
Ethiopia	ETH-012	8	9	715.5	675	40.5	Exploranium 110					
Ethiopia	ETH-012	9	10	639.4	675	-35.6	Exploranium 110					
Ethiopia	ETH-012	10	11	647.6	675	-27.4	Exploranium 110					
Ethiopia	ETH-012	11	12	677.1	675	2.1	Exploranium 110					
Ethiopia	ETH-012	12	13	648.5	675	-26.5	Exploranium 110					
Ethiopia	ETH-012	13	14	702.6	675	27.6	Exploranium 110					
Ethiopia	ETH-012	14	15	684.1	675	9.1	Exploranium 110					
Ethiopia	ETH-012	15	16	597.0	675	-78.0	Exploranium 110					
Ethiopia	ETH-012	16	17	663.7	675	-11.3	Exploranium 110					
Ethiopia	ETH-012	17	18	729.3	675	54.3	Exploranium 110	14.1	66.3	6	Exploranium GR-135G	
Ethiopia	ETH-012	18	19	646.0	675	-29.0	Exploranium 110					
Ethiopia	ETH-012	19	20	680.4	675	5.4	Exploranium 110					
Ethiopia	ETH-012	20	21	662.1	675	-12.9	Exploranium 110					
Ethiopia	ETH-012	21	22	660.3	675	-14.7	Exploranium 110					
Ethiopia	ETH-012	22	23	665.1	675	-9.9	Exploranium 110					
Ethiopia	ETH-012	23	24	703.4	675	28.4	Exploranium 110					
Ethiopia	ETH-012	24	25	700.1	675	25.1	Exploranium 110					
Ethiopia	ETH-012	25	26	675.3	675	0.3	Exploranium 110					
Ethiopia	ETH-012	26	27	630.6	675	-44.4	Exploranium 110					
Ethiopia	ETH-012	27	28	668.9	675	-6.1	Exploranium 110					
Ethiopia	ETH-012	28	29	672.1	675	-2.9	Exploranium 110					
Ethiopia	ETH-012	29	30	659.0	675	-16.0	Exploranium 110	8.2	77.5	3.6	Exploranium GR-135G	
Ethiopia	ETH-012	30	31	649.2	675	-25.8	Exploranium 110	15.7	75.6	3.9	Exploranium GR-135G	
Ethiopia	ETH-013	0	1	678.1	625	53.1	Exploranium 110					
Ethiopia	ETH-013	1	2	772.4	625	147.4	Exploranium 110	0	80.2	4.6	Exploranium GR-135G	
Ethiopia	ETH-013	2	3	727.1	625	102.1	Exploranium 110					
Ethiopia	ETH-013	3	4	669.2	625	44.2	Exploranium 110					
Ethiopia	ETH-013	4	5	703.9	625	78.9	Exploranium 110	11	102.3	2.8	Exploranium GR-135G	
Ethiopia	ETH-013	5	6	752.0	625	127.0	Exploranium 110	10	108.4	4.9	Exploranium GR-135G	
Ethiopia	ETH-013	6	7	667.0	625	42.0	Exploranium 110					
Ethiopia	ETH-013	7	8	648.4	625	23.4	Exploranium 110					
Ethiopia	ETH-013	8	9	668.3	625	43.3	Exploranium 110					
Ethiopia	ETH-013	9	10	668.6	625	43.6	Exploranium 110					
Ethiopia	ETH-013	10	11	645.7	625	20.7	Exploranium 110					
Ethiopia	ETH-013	11	12	643.8	625	18.8	Exploranium 110					
Ethiopia	ETH-013	12	13	621.9	625	-3.1	Exploranium 110					
Ethiopia	ETH-013	13	14	637.7	625	12.7	Exploranium 110					
Ethiopia	ETH-013	14	15	671.3	625	46.3	Exploranium 110					
Ethiopia	ETH-013	15	16	667.2	625	42.2	Exploranium 110					
Ethiopia	ETH-013	16	17	683.0	625	58.0	Exploranium 110					
Ethiopia	ETH-013	17	18	696.2	625	71.2	Exploranium 110					
Ethiopia	ETH-013	18	19	670.2	625	45.2	Exploranium 110					
Ethiopia	ETH-013	19	20	671.8	625	46.8	Exploranium 110					
Ethiopia	ETH-013	20	21	629.4	625	4.4	Exploranium 110					
Ethiopia	ETH-013	21	22	647.1	625	22.1	Exploranium 110					
Ethiopia	ETH-013	22	23	665.2	625	40.2	Exploranium 110					
Ethiopia	ETH-013	23	24	681.1	625	56.1	Exploranium 110					
Ethiopia	ETH-013	24	25	643.3	625	18.3	Exploranium 110					
Ethiopia	ETH-013	25	26	673.0	625	48.0	Exploranium 110					
Ethiopia	ETH-013	26	27	669.4	625	44.4	Exploranium 110					
Ethiopia	ETH-013	27	28	651.3	625	26.3	Exploranium 110					
Ethiopia	ETH-013	28	29	642.1	625	17.1	Exploranium 110					
Ethiopia	ETH-013	29	30	638.9	625	13.9	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-013	30	31	655.4	625	30.4	Exploranium 110					
Ethiopia	ETH-013	31	32	632.5	625	7.5	Exploranium 110					
Ethiopia	ETH-013	32	33	626.6	625	1.6	Exploranium 110					
Ethiopia	ETH-013	33	34	626.9	625	1.9	Exploranium 110					
Ethiopia	ETH-013	34	35	627.2	625	2.2	Exploranium 110					
Ethiopia	ETH-013	35	36	604.4	625	-20.6	Exploranium 110					
Ethiopia	ETH-013	36	37	623.4	625	-1.6	Exploranium 110					
Ethiopia	ETH-013	37	38	671.3	625	46.3	Exploranium 110	20.9	61	3.4	Exploranium GR-135G	
Ethiopia	ETH-013	38	39	655.8	625	30.8	Exploranium 110	0	82.3	4	Exploranium GR-135G	
Ethiopia	ETH-014	0	1	203.5	185	18.5	Exploranium 110					
Ethiopia	ETH-014	1	2	240.6	185	55.6	Exploranium 110					
Ethiopia	ETH-014	2	3	293.6	185	108.6	Exploranium 110					
Ethiopia	ETH-014	3	4	278.8	185	93.8	Exploranium 110					
Ethiopia	ETH-014	4	5	280.3	185	95.3	Exploranium 110					
Ethiopia	ETH-014	5	6	231.3	185	46.3	Exploranium 110					
Ethiopia	ETH-014	6	7	214.2	185	29.2	Exploranium 110					
Ethiopia	ETH-014	7	8	271.5	185	86.5	Exploranium 110					
Ethiopia	ETH-014	8	9	282.5	185	97.5	Exploranium 110					
Ethiopia	ETH-014	9	10	266.1	185	81.1	Exploranium 110					
Ethiopia	ETH-014	10	11	326.3	185	141.3	Exploranium 110					
Ethiopia	ETH-014	11	12	302.9	185	117.9	Exploranium 110					
Ethiopia	ETH-014	12	13	249.9	185	64.9	Exploranium 110					
Ethiopia	ETH-014	13	14	288.8	185	103.8	Exploranium 110					
Ethiopia	ETH-014	14	15	280.7	185	95.7	Exploranium 110					
Ethiopia	ETH-014	15	16	269.5	185	84.5	Exploranium 110					
Ethiopia	ETH-014	16	17	300.5	185	115.5	Exploranium 110					
Ethiopia	ETH-014	17	18	336.2	185	151.2	Exploranium 110					
Ethiopia	ETH-014	18	19	274.4	185	89.4	Exploranium 110					
Ethiopia	ETH-014	19	20	306.7	185	121.7	Exploranium 110					
Ethiopia	ETH-014	20	21	261.6	185	76.6	Exploranium 110					
Ethiopia	ETH-014	21	22	274.5	185	89.5	Exploranium 110					
Ethiopia	ETH-014	22	23	271.2	185	86.2	Exploranium 110					
Ethiopia	ETH-014	23	24	267.4	185	82.4	Exploranium 110					
Ethiopia	ETH-014	24	25	305.0	185	120.0	Exploranium 110					
Ethiopia	ETH-014	25	26	386.7	185	201.7	Exploranium 110					
Ethiopia	ETH-014	26	27	372.2	185	187.2	Exploranium 110					
Ethiopia	ETH-014	27	28	415.5	185	230.5	Exploranium 110					
Ethiopia	ETH-014	28	29	445.1	185	260.1	Exploranium 110	2.5	71.6	4.2	Exploranium GR-135G	
Ethiopia	ETH-014	29	30	367.1	185	182.1	Exploranium 110					
Ethiopia	ETH-014	30	31	458.9	185	273.9	Exploranium 110	12	45.9	4.2	Exploranium GR-135G	
Ethiopia	ETH-014	31	32	412.6	185	227.6	Exploranium 110					
Ethiopia	ETH-014	32	33	349.0	185	164.0	Exploranium 110					
Ethiopia	ETH-014	33	34	348.3	185	163.3	Exploranium 110					
Ethiopia	ETH-014	34	35	320.4	185	135.4	Exploranium 110					
Ethiopia	ETH-014	35	36	435.7	185	250.7	Exploranium 110	15.7	29.5	5.1	Exploranium GR-135G	
Ethiopia	ETH-014	36	37	495.3	185	310.3	Exploranium 110	8.8	54.7	5	Exploranium GR-135G	
Ethiopia	ETH-015	0	1	158.0	150	8.0	Exploranium 110					
Ethiopia	ETH-015	1	2	174.4	150	24.4	Exploranium 110					
Ethiopia	ETH-015	2	3	184.5	150	34.5	Exploranium 110					
Ethiopia	ETH-015	3	4	222.5	150	72.5	Exploranium 110					
Ethiopia	ETH-015	4	5	248.8	150	98.8	Exploranium 110					
Ethiopia	ETH-015	5	6	267.4	150	117.4	Exploranium 110					
Ethiopia	ETH-015	6	7	208.3	150	58.3	Exploranium 110					
Ethiopia	ETH-015	7	8	188.0	150	38.0	Exploranium 110					
Ethiopia	ETH-015	8	9	194.7	150	44.7	Exploranium 110					
Ethiopia	ETH-015	9	10	175.5	150	25.5	Exploranium 110					
Ethiopia	ETH-015	10	11	153.9	150	3.9	Exploranium 110					
Ethiopia	ETH-015	11	12	166.8	150	16.8	Exploranium 110					
Ethiopia	ETH-015	12	13	190.2	150	40.2	Exploranium 110					
Ethiopia	ETH-015	13	14	211.1	150	61.1	Exploranium 110					
Ethiopia	ETH-015	14	15	198.3	150	48.3	Exploranium 110					
Ethiopia	ETH-015	15	16	205.6	150	55.6	Exploranium 110					
Ethiopia	ETH-015	16	17	216.7	150	66.7	Exploranium 110					
Ethiopia	ETH-015	17	18	168.7	150	18.7	Exploranium 110					
Ethiopia	ETH-015	18	19	171.2	150	21.2	Exploranium 110					
Ethiopia	ETH-015	19	20	154.2	150	4.2	Exploranium 110					
Ethiopia	ETH-015	20	21	170.1	150	20.1	Exploranium 110					
Ethiopia	ETH-015	21	22	193.4	150	43.4	Exploranium 110					
Ethiopia	ETH-015	22	23	185.7	150	35.7	Exploranium 110					
Ethiopia	ETH-015	23	24	174.0	150	24.0	Exploranium 110					
Ethiopia	ETH-015	24	25	179.3	150	29.3	Exploranium 110					
Ethiopia	ETH-015	25	26	181.7	150	31.7	Exploranium 110					
Ethiopia	ETH-015	26	27	181.2	150	31.2	Exploranium 110					
Ethiopia	ETH-015	27	28	191.4	150	41.4	Exploranium 110					
Ethiopia	ETH-015	28	29	219.8	150	69.8	Exploranium 110					
Ethiopia	ETH-015	29	30	257.0	150	107.0	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-015	30	31	274.7	150	124.7	Exploranium 110	11.4	18.7	1.4	Exploranium GR-135G	
Ethiopia	ETH-015	31	32	283.8	150	133.8	Exploranium 110	9.3	20.4	4.2	Exploranium GR-135G	
Ethiopia	ETH-015	32	33	221.7	150	71.7	Exploranium 110					
Ethiopia	ETH-015	33	34	225.3	150	75.3	Exploranium 110	2.6	24.5	3.6	Exploranium GR-135G	
Ethiopia	ETH-016	0	1	194.9	165	29.9	Exploranium 110					
Ethiopia	ETH-016	1	2	180.0	165	15.0	Exploranium 110					
Ethiopia	ETH-016	2	3	187.1	165	22.1	Exploranium 110					
Ethiopia	ETH-016	3	4	200.7	165	35.7	Exploranium 110					
Ethiopia	ETH-016	4	5	190.2	165	25.2	Exploranium 110					
Ethiopia	ETH-016	5	6	198.8	165	33.8	Exploranium 110					
Ethiopia	ETH-016	6	7	179.6	165	14.6	Exploranium 110					
Ethiopia	ETH-016	7	8	193.5	165	28.5	Exploranium 110					
Ethiopia	ETH-016	8	9	234.9	165	69.9	Exploranium 110					
Ethiopia	ETH-016	9	10	177.1	165	12.1	Exploranium 110					
Ethiopia	ETH-016	10	11	190.3	165	25.3	Exploranium 110					
Ethiopia	ETH-016	11	12	173.4	165	8.4	Exploranium 110					
Ethiopia	ETH-016	12	13	193.7	165	28.7	Exploranium 110					
Ethiopia	ETH-016	13	14	203.9	165	38.9	Exploranium 110					
Ethiopia	ETH-016	14	15	211.4	165	46.4	Exploranium 110					
Ethiopia	ETH-016	15	16	184.8	165	19.8	Exploranium 110					
Ethiopia	ETH-016	16	17	235.4	165	70.4	Exploranium 110	3.4	23.1	0.6	Exploranium GR-135G	
Ethiopia	ETH-016	17	18	225.6	165	60.6	Exploranium 110					
Ethiopia	ETH-016	18	19	183.3	165	18.3	Exploranium 110					
Ethiopia	ETH-016	19	20	182.2	165	17.2	Exploranium 110					
Ethiopia	ETH-016	20	21	198.0	165	33.0	Exploranium 110					
Ethiopia	ETH-016	21	22	195.2	165	30.2	Exploranium 110					
Ethiopia	ETH-016	22	23	230.5	165	65.5	Exploranium 110					
Ethiopia	ETH-016	23	24	185.4	165	20.4	Exploranium 110					
Ethiopia	ETH-016	24	25	164.7	165	-0.3	Exploranium 110					
Ethiopia	ETH-016	25	26	184.1	165	19.1	Exploranium 110					
Ethiopia	ETH-016	26	27	189.7	165	24.7	Exploranium 110					
Ethiopia	ETH-016	27	28	177.3	165	12.3	Exploranium 110					
Ethiopia	ETH-016	28	29	185.9	165	20.9	Exploranium 110					
Ethiopia	ETH-016	29	30	180.2	165	15.2	Exploranium 110					
Ethiopia	ETH-016	30	31	161.1	165	-3.9	Exploranium 110					
Ethiopia	ETH-016	31	32	189.6	165	24.6	Exploranium 110					
Ethiopia	ETH-016	32	33	216.0	165	51.0	Exploranium 110					
Ethiopia	ETH-016	33	34	175.8	165	10.8	Exploranium 110					
Ethiopia	ETH-016	34	35	194.9	165	29.9	Exploranium 110					
Ethiopia	ETH-016	35	36	202.8	165	37.8	Exploranium 110					
Ethiopia	ETH-016	36	37	190.2	165	25.2	Exploranium 110					
Ethiopia	ETH-016	37	38	211.5	165	46.5	Exploranium 110					
Ethiopia	ETH-016	38	39	180.0	165	15.0	Exploranium 110					
Ethiopia	ETH-016	39	40	167.2	165	2.2	Exploranium 110					
Ethiopia	ETH-016	40	41	173.3	165	8.3	Exploranium 110					
Ethiopia	ETH-016	41	42	177.8	165	12.8	Exploranium 110					
Ethiopia	ETH-016	42	43	163.5	165	-1.5	Exploranium 110					
Ethiopia	ETH-016	43	44	190.2	165	25.2	Exploranium 110					
Ethiopia	ETH-016	44	45	180.5	165	15.5	Exploranium 110					
Ethiopia	ETH-016	45	46	174.1	165	9.1	Exploranium 110					
Ethiopia	ETH-016	46	47	193.2	165	28.2	Exploranium 110					
Ethiopia	ETH-016	47	48	185.5	165	20.5	Exploranium 110					
Ethiopia	ETH-016	48	49	183.9	165	18.9	Exploranium 110					
Ethiopia	ETH-016	49	50	188.9	165	23.9	Exploranium 110					
Ethiopia	ETH-016	50	51	202.9	165	37.9	Exploranium 110					
Ethiopia	ETH-016	51	52	172.7	165	7.7	Exploranium 110					
Ethiopia	ETH-016	52	53	230.2	165	65.2	Exploranium 110					
Ethiopia	ETH-016	53	54	200.4	165	35.4	Exploranium 110					
Ethiopia	ETH-016	54	55	187.0	165	22.0	Exploranium 110					
Ethiopia	ETH-016	55	56	239.9	165	74.9	Exploranium 110	0.0	42.3	0.0	Exploranium GR-135G	
Ethiopia	ETH-016	56	57	189.7	165	24.7	Exploranium 110					
Ethiopia	ETH-016	57	58	180.6	165	15.6	Exploranium 110					
Ethiopia	ETH-016	58	59	206.8	165	41.8	Exploranium 110					
Ethiopia	ETH-016	59	60	169.8	165	4.8	Exploranium 110					
Ethiopia	ETH-016	60	61	178.3	165	13.3	Exploranium 110					
Ethiopia	ETH-016	61	62	231.5	165	66.5	Exploranium 110					
Ethiopia	ETH-016	62	63	235.8	165	70.8	Exploranium 110	7.7	18.9	0.0	Exploranium GR-135G	
Ethiopia	ETH-016	63	64	219.1	165	54.1	Exploranium 110					
Ethiopia	ETH-016	64	65	267.5	165	102.5	Exploranium 110					
Ethiopia	ETH-016	65	66	226.1	165	61.1	Exploranium 110					
Ethiopia	ETH-016	66	67	195.7	165	30.7	Exploranium 110					
Ethiopia	ETH-016	67	68	211.6	165	46.6	Exploranium 110					
Ethiopia	ETH-016	68	69	216.7	165	51.7	Exploranium 110					
Ethiopia	ETH-016	69	70	185.7	165	20.7	Exploranium 110					
Ethiopia	ETH-017	0	1	452.3	435	17.3	Exploranium 110					
Ethiopia	ETH-017	1	2	481.8	435	46.8	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-017	2	3	520.3	435	85.3	Exploranium 110					
Ethiopia	ETH-017	3	4	479.1	435	44.1	Exploranium 110					
Ethiopia	ETH-017	4	5	530.5	435	95.5	Exploranium 110	9.7	64.3	3.8	Exploranium GR-135G	
Ethiopia	ETH-017	5	6	512.8	435	77.8	Exploranium 110					
Ethiopia	ETH-017	6	7	502.0	435	67.0	Exploranium 110					
Ethiopia	ETH-017	7	8	524.4	435	89.4	Exploranium 110					
Ethiopia	ETH-017	8	9	529.0	435	94.0	Exploranium 110	16.6	22.3	3.4	Exploranium GR-135G	
Ethiopia	ETH-017	9	10	494.7	435	59.7	Exploranium 110					
Ethiopia	ETH-017	10	11	487.2	435	52.2	Exploranium 110					
Ethiopia	ETH-017	11	12	514.8	435	79.8	Exploranium 110					
Ethiopia	ETH-017	12	13	523.7	435	88.7	Exploranium 110	0.0	74.4	6.3	Exploranium GR-135G	
Ethiopia	ETH-017	13	14	506.1	435	71.1	Exploranium 110					
Ethiopia	ETH-017	14	15	518.4	435	83.4	Exploranium 110					
Ethiopia	ETH-017	15	16	523.5	435	88.5	Exploranium 110					
Ethiopia	ETH-018	0	1	505.8	505	0.8	Exploranium 110					
Ethiopia	ETH-018	1	2	538.2	505	33.2	Exploranium 110	0.0	72.3	4.6	Exploranium GR-135G	
Ethiopia	ETH-018	2	3	463.5	505	-41.5	Exploranium 110					
Ethiopia	ETH-018	3	4	426.2	505	-78.8	Exploranium 110					
Ethiopia	ETH-018	4	5	420.9	505	-84.1	Exploranium 110					
Ethiopia	ETH-018	5	6	412.8	505	-92.2	Exploranium 110					
Ethiopia	ETH-018	6	7	400.1	505	-104.9	Exploranium 110					
Ethiopia	ETH-018	7	8	439.2	505	-65.8	Exploranium 110					
Ethiopia	ETH-018	8	9	446.8	505	-58.2	Exploranium 110					
Ethiopia	ETH-018	9	10	433.3	505	-71.7	Exploranium 110					
Ethiopia	ETH-018	10	11	486.8	505	-18.2	Exploranium 110					
Ethiopia	ETH-018	11	12	506.3	505	1.3	Exploranium 110					
Ethiopia	ETH-018	12	13	578.5	505	73.5	Exploranium 110	6.8	74.9	2.8	Exploranium GR-135G	
Ethiopia	ETH-018	13	14	532.6	505	27.6	Exploranium 110	3.6	53.2	4.6	Exploranium GR-135G	
Ethiopia	ETH-018	14	15	468.8	505	-36.2	Exploranium 110					
Ethiopia	ETH-018	15	16	512.5	505	7.5	Exploranium 110					
Ethiopia	ETH-019	0	1	612.6	605	7.6	Exploranium 110					
Ethiopia	ETH-019	1	2	612.6	605	7.6	Exploranium 110					
Ethiopia	ETH-019	2	3	598.1	605	-6.9	Exploranium 110					
Ethiopia	ETH-019	3	4	608.7	605	3.7	Exploranium 110					
Ethiopia	ETH-019	4	5	532.8	605	-72.2	Exploranium 110					
Ethiopia	ETH-019	5	6	535.3	605	-69.7	Exploranium 110					
Ethiopia	ETH-019	6	7	541.7	605	-63.3	Exploranium 110					
Ethiopia	ETH-019	7	8	488.3	605	-116.7	Exploranium 110					
Ethiopia	ETH-019	8	9	486.8	605	-118.2	Exploranium 110					
Ethiopia	ETH-019	9	10	502.8	605	-102.2	Exploranium 110					
Ethiopia	ETH-019	10	11	573.7	605	-31.3	Exploranium 110					
Ethiopia	ETH-019	11	12	524.5	605	-80.5	Exploranium 110					
Ethiopia	ETH-019	12	13	544.4	605	-60.6	Exploranium 110					
Ethiopia	ETH-019	13	14	534.6	605	-70.4	Exploranium 110					
Ethiopia	ETH-019	14	15	628.9	605	23.9	Exploranium 110					
Ethiopia	ETH-019	15	16	613.8	605	8.8	Exploranium 110					
Ethiopia	ETH-019	16	17	638.3	605	33.3	Exploranium 110					
Ethiopia	ETH-019	17	18	613.0	605	8.0	Exploranium 110					
Ethiopia	ETH-019	18	19	609.2	605	4.2	Exploranium 110					
Ethiopia	ETH-019	19	20	640.5	605	35.5	Exploranium 110					
Ethiopia	ETH-019	20	21	668.2	605	63.2	Exploranium 110	6.1	90.9	3.7	Exploranium GR-135G	
Ethiopia	ETH-019	21	22	641.5	605	36.5	Exploranium 110					
Ethiopia	ETH-019	22	23	681.1	605	76.1	Exploranium 110	12.6	56.9	7.1	Exploranium GR-135G	
Ethiopia	ETH-019	23	24	701.4	605	96.4	Exploranium 110	15.5	80.9	4.2	Exploranium GR-135G	
Ethiopia	ETH-019	24	25	593.0	605	-12.0	Exploranium 110					
Ethiopia	ETH-019	25	26	641.0	605	36.0	Exploranium 110					
Ethiopia	ETH-019	26	27	664.8	605	59.8	Exploranium 110					
Ethiopia	ETH-019	27	28	636.3	605	31.3	Exploranium 110					
Ethiopia	ETH-020	0	1	557.9	610	-52.1	Exploranium 110					
Ethiopia	ETH-020	1	2	600.9	610	-9.1	Exploranium 110	7.0	58.3	6.9	Exploranium GR-135G	
Ethiopia	ETH-020	2	3	524.1	610	-85.9	Exploranium 110					
Ethiopia	ETH-020	3	4	530.0	610	-80.0	Exploranium 110					
Ethiopia	ETH-020	4	5	569.2	610	-40.8	Exploranium 110					
Ethiopia	ETH-020	5	6	529.8	610	-80.2	Exploranium 110					
Ethiopia	ETH-020	6	7	489.0	610	-121.0	Exploranium 110					
Ethiopia	ETH-020	7	8	507.9	610	-102.1	Exploranium 110					
Ethiopia	ETH-020	8	9	526.6	610	-83.4	Exploranium 110					
Ethiopia	ETH-020	9	10	469.8	610	-140.2	Exploranium 110					
Ethiopia	ETH-020	10	11	485.8	610	-124.2	Exploranium 110					
Ethiopia	ETH-020	11	12	484.8	610	-125.2	Exploranium 110					
Ethiopia	ETH-020	12	13	491.3	610	-118.7	Exploranium 110					
Ethiopia	ETH-020	13	14	526.2	610	-83.8	Exploranium 110					
Ethiopia	ETH-020	14	15	524.8	610	-85.2	Exploranium 110					
Ethiopia	ETH-020	15	16	485.2	610	-124.8	Exploranium 110					
Ethiopia	ETH-020	16	17	517.0	610	-93.0	Exploranium 110					
Ethiopia	ETH-020	17	18	479.6	610	-130.4	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-020	18	19	482.1	610	-127.9	Exploranium 110					
Ethiopia	ETH-020	19	20	530.5	610	-79.5	Exploranium 110					
Ethiopia	ETH-020	20	21	591.4	610	-18.6	Exploranium 110	17.3	49.9	5.4	Exploranium GR-135G	
Ethiopia	ETH-020	21	22	522.2	610	-87.8	Exploranium 110					
Ethiopia	ETH-020	22	23	570.9	610	-39.1	Exploranium 110	8.2	54.2	4.1	Exploranium GR-135G	
Ethiopia	ETH-020	23	24	527.5	610	-82.5	Exploranium 110					
Ethiopia	ETH-020	24	25	496.8	610	-113.2	Exploranium 110					
Ethiopia	ETH-020	25	26	458.2	610	-151.8	Exploranium 110					
Ethiopia	ETH-020	26	27	431.6	610	-178.4	Exploranium 110					
Ethiopia	ETH-020	27	28	447.6	610	-162.4	Exploranium 110					
Ethiopia	ETH-021	0	1	515.3	405	110.3	Exploranium 110					
Ethiopia	ETH-021	1	2	576.7	405	171.7	Exploranium 110	26.1	36.7	3.7	Exploranium GR-135G	
Ethiopia	ETH-021	2	3	527.5	405	122.5	Exploranium 110					
Ethiopia	ETH-021	3	4	435.4	405	30.4	Exploranium 110					
Ethiopia	ETH-021	4	5	485.7	405	80.7	Exploranium 110					
Ethiopia	ETH-021	5	6	497.4	405	92.4	Exploranium 110					
Ethiopia	ETH-021	6	7	471.2	405	66.2	Exploranium 110					
Ethiopia	ETH-021	7	8	544.0	405	139.0	Exploranium 110	19.2	30.5	3.6	Exploranium GR-135G	
Ethiopia	ETH-021	8	9	523.7	405	118.7	Exploranium 110					
Ethiopia	ETH-021	9	10	479.8	405	74.8	Exploranium 110					
Ethiopia	ETH-021	10	11	443.0	405	38.0	Exploranium 110					
Ethiopia	ETH-021	11	12	471.1	405	66.1	Exploranium 110					
Ethiopia	ETH-021	12	13	453.9	405	48.9	Exploranium 110					
Ethiopia	ETH-021	13	14	430.5	405	25.5	Exploranium 110					
Ethiopia	ETH-021	14	15	492.2	405	87.2	Exploranium 110					
Ethiopia	ETH-021	15	16	440.9	405	35.9	Exploranium 110					
Ethiopia	ETH-021	16	17	471.5	405	66.5	Exploranium 110					
Ethiopia	ETH-021	17	18	499.3	405	94.3	Exploranium 110					
Ethiopia	ETH-021	18	19	484.3	405	79.3	Exploranium 110					
Ethiopia	ETH-021	19	20	527.0	405	122.0	Exploranium 110	10.7	53.8	4.2	Exploranium GR-135G	
Ethiopia	ETH-021	20	21	512.9	405	107.9	Exploranium 110					
Ethiopia	ETH-021	21	22	518.6	405	113.6	Exploranium 110					
Ethiopia	ETH-021	22	23	514.2	405	109.2	Exploranium 110					
Ethiopia	ETH-021	23	24	528.5	405	123.5	Exploranium 110	0.0	80.4	4.4	Exploranium GR-135G	
Ethiopia	ETH-021	24	25	483.3	405	78.3	Exploranium 110					
Ethiopia	ETH-021	25	26	515.5	405	110.5	Exploranium 110					
Ethiopia	ETH-021	26	27	513.5	405	108.5	Exploranium 110					
Ethiopia	ETH-021	27	28	497.3	405	92.3	Exploranium 110					
Ethiopia	ETH-021	28	29	522.3	405	117.3	Exploranium 110	24.2	29.0	2.9	Exploranium GR-135G	
Ethiopia	ETH-021	29	30	463.3	405	58.3	Exploranium 110					
Ethiopia	ETH-021	30	31	480.9	405	75.9	Exploranium 110					
Ethiopia	ETH-022	0	1	146.5	125	21.5	Exploranium 110					
Ethiopia	ETH-022	1	2	141.5	125	16.5	Exploranium 110					
Ethiopia	ETH-022	2	3	146.9	125	21.9	Exploranium 110					
Ethiopia	ETH-022	3	4	151.7	125	26.7	Exploranium 110					
Ethiopia	ETH-022	4	5	152.4	125	27.4	Exploranium 110					
Ethiopia	ETH-022	5	6	150.3	125	25.3	Exploranium 110					
Ethiopia	ETH-022	6	7	146.2	125	21.2	Exploranium 110					
Ethiopia	ETH-022	7	8	169.6	125	44.6	Exploranium 110					
Ethiopia	ETH-022	8	9	169.9	125	44.9	Exploranium 110					
Ethiopia	ETH-022	9	10	175.0	125	50.0	Exploranium 110	8.1	0.8	0.8	Exploranium GR-135G	
Ethiopia	ETH-022	10	11	168.8	125	43.8	Exploranium 110					
Ethiopia	ETH-022	11	12	169.6	125	44.6	Exploranium 110					
Ethiopia	ETH-022	12	13	184.9	125	59.9	Exploranium 110					
Ethiopia	ETH-022	13	14	185.7	125	60.7	Exploranium 110	4.8	17.9	1.7	Exploranium GR-135G	
Ethiopia	ETH-022	14	15	176.7	125	51.7	Exploranium 110					
Ethiopia	ETH-022	15	16	149.1	125	24.1	Exploranium 110					
Ethiopia	ETH-022	16	17	142.7	125	17.7	Exploranium 110					
Ethiopia	ETH-022	17	18	151.2	125	26.2	Exploranium 110					
Ethiopia	ETH-022	18	19	138.8	125	13.8	Exploranium 110					
Ethiopia	ETH-023	0	1	266.8	295	-28.2	Exploranium 110					
Ethiopia	ETH-023	1	2	276.8	295	-18.2	Exploranium 110					
Ethiopia	ETH-023	2	3	277.7	295	-17.3	Exploranium 110					
Ethiopia	ETH-023	3	4	277.1	295	-17.9	Exploranium 110					
Ethiopia	ETH-023	4	5	287.7	295	-7.3	Exploranium 110					
Ethiopia	ETH-023	5	6	290.1	295	-4.9	Exploranium 110					
Ethiopia	ETH-023	6	7	278.2	295	-16.8	Exploranium 110					
Ethiopia	ETH-023	7	8	291.3	295	-3.7	Exploranium 110					
Ethiopia	ETH-023	8	9	277.6	295	-17.4	Exploranium 110					
Ethiopia	ETH-023	9	10	323.3	295	28.3	Exploranium 110					
Ethiopia	ETH-023	10	11	308.7	295	13.7	Exploranium 110					
Ethiopia	ETH-023	11	12	403.0	295	108.0	Exploranium 110					
Ethiopia	ETH-023	12	13	409.7	295	114.7	Exploranium 110					
Ethiopia	ETH-023	13	14	419.1	295	124.1	Exploranium 110					
Ethiopia	ETH-023	14	15	390.1	295	95.1	Exploranium 110					
Ethiopia	ETH-023	15	16	383.6	295	88.6	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-023	16	17	443.6	295	148.6	Exploranium 110	0.9	74.5	3.9	Exploranium GR-135G	
Ethiopia	ETH-023	17	18	406.1	295	111.1	Exploranium 110					
Ethiopia	ETH-023	18	19	409.1	295	114.1	Exploranium 110					
Ethiopia	ETH-023	19	20	355.3	295	60.3	Exploranium 110					
Ethiopia	ETH-023	20	21	390.1	295	95.1	Exploranium 110					
Ethiopia	ETH-023	21	22	411.6	295	116.6	Exploranium 110					
Ethiopia	ETH-023	22	23	452.2	295	157.2	Exploranium 110	10.1	53.9	4.0	Exploranium GR-135G	
Ethiopia	ETH-023	23	24	397.2	295	102.2	Exploranium 110					
Ethiopia	ETH-023	24	25	440.8	295	145.8	Exploranium 110					
Ethiopia	ETH-023	25	26	446.8	295	151.8	Exploranium 110	0.9	58.7	3.7	Exploranium GR-135G	
Ethiopia	ETH-023	26	27	424.9	295	129.9	Exploranium 110					
Ethiopia	ETH-023	27	28	431.1	295	136.1	Exploranium 110					
Ethiopia	ETH-024	0	1	365.0	385	-20.0	Exploranium 110					
Ethiopia	ETH-024	1	2	369.2	385	-15.8	Exploranium 110					
Ethiopia	ETH-024	2	3	355.2	385	-29.8	Exploranium 110					
Ethiopia	ETH-024	3	4	323.1	385	-61.9	Exploranium 110					
Ethiopia	ETH-024	4	5	334.6	385	-50.4	Exploranium 110					
Ethiopia	ETH-024	5	6	343.1	385	-41.9	Exploranium 110					
Ethiopia	ETH-024	6	7	323.9	385	-61.1	Exploranium 110					
Ethiopia	ETH-024	7	8	320.8	385	-64.2	Exploranium 110					
Ethiopia	ETH-024	8	9	302.3	385	-82.7	Exploranium 110					
Ethiopia	ETH-024	9	10	332.7	385	-52.3	Exploranium 110					
Ethiopia	ETH-024	10	11	350.0	385	-35.0	Exploranium 110					
Ethiopia	ETH-024	11	12	418.4	385	33.4	Exploranium 110					
Ethiopia	ETH-024	12	13	419.8	385	34.8	Exploranium 110					
Ethiopia	ETH-024	13	14	478.0	385	93.0	Exploranium 110					
Ethiopia	ETH-024	14	15	441.8	385	56.8	Exploranium 110					
Ethiopia	ETH-024	15	16	441.3	385	56.3	Exploranium 110					
Ethiopia	ETH-024	16	17	400.3	385	15.3	Exploranium 110					
Ethiopia	ETH-024	17	18	475.9	385	90.9	Exploranium 110	5.4	52.8	4.8	Exploranium GR-135G	
Ethiopia	ETH-024	18	19	442.7	385	57.7	Exploranium 110					
Ethiopia	ETH-024	19	20	436.7	385	51.7	Exploranium 110					
Ethiopia	ETH-024	20	21	438.1	385	53.1	Exploranium 110					
Ethiopia	ETH-024	21	22	454.0	385	69.0	Exploranium 110					
Ethiopia	ETH-024	22	23	449.9	385	64.9	Exploranium 110					
Ethiopia	ETH-024	23	24	413.7	385	28.7	Exploranium 110					
Ethiopia	ETH-024	24	25	450.6	385	65.6	Exploranium 110					
Ethiopia	ETH-024	25	26	489.2	385	104.2	Exploranium 110					
Ethiopia	ETH-024	26	27	420.7	385	35.7	Exploranium 110					
Ethiopia	ETH-024	27	28	468.1	385	83.1	Exploranium 110					
Ethiopia	ETH-024	28	29	517.7	385	132.7	Exploranium 110					
Ethiopia	ETH-024	29	30	453.6	385	68.6	Exploranium 110					
Ethiopia	ETH-024	30	31	445.5	385	60.5	Exploranium 110					
Ethiopia	ETH-024	31	32	514.9	385	129.9	Exploranium 110	11.3	61.4	4.2	Exploranium GR-135G	
Ethiopia	ETH-024	32	33	507.4	385	122.4	Exploranium 110					
Ethiopia	ETH-024	33	34	446.4	385	61.4	Exploranium 110					
Ethiopia	ETH-024	34	35	441.6	385	56.6	Exploranium 110					
Ethiopia	ETH-024	35	36	537.9	385	152.9	Exploranium 110	9.0	49.2	4.7	Exploranium GR-135G	
Ethiopia	ETH-024	36	37	400.1	385	15.1	Exploranium 110					
Ethiopia	ETH-025	0	1	580.9	665	-84.1	Exploranium 110					
Ethiopia	ETH-025	1	2	725.1	665	60.1	Exploranium 110	18.4	62.0	4.2	Exploranium GR-135G	
Ethiopia	ETH-025	2	3	727.4	665	62.4	Exploranium 110					
Ethiopia	ETH-025	3	4	609.7	665	-55.3	Exploranium 110					
Ethiopia	ETH-025	4	5	569.6	665	-95.4	Exploranium 110					
Ethiopia	ETH-025	5	6	591.6	665	-73.4	Exploranium 110					
Ethiopia	ETH-025	6	7	602.6	665	-62.4	Exploranium 110					
Ethiopia	ETH-025	7	8	630.7	665	-34.3	Exploranium 110					
Ethiopia	ETH-025	8	9	594.3	665	-70.7	Exploranium 110					
Ethiopia	ETH-025	9	10	598.5	665	-66.5	Exploranium 110					
Ethiopia	ETH-025	10	11	582.3	665	-82.7	Exploranium 110					
Ethiopia	ETH-025	11	12	578.5	665	-86.5	Exploranium 110					
Ethiopia	ETH-025	12	13	585.6	665	-79.4	Exploranium 110					
Ethiopia	ETH-025	13	14	597.1	665	-67.9	Exploranium 110					
Ethiopia	ETH-025	14	15	579.4	665	-85.6	Exploranium 110					
Ethiopia	ETH-025	15	16	583.1	665	-81.9	Exploranium 110					
Ethiopia	ETH-025	16	17	555.7	665	-109.3	Exploranium 110					
Ethiopia	ETH-025	17	18	555.4	665	-109.6	Exploranium 110					
Ethiopia	ETH-025	18	19	531.9	665	-133.1	Exploranium 110					
Ethiopia	ETH-025	19	20	605.3	665	-59.7	Exploranium 110					
Ethiopia	ETH-025	20	21	660.6	665	-4.4	Exploranium 110					
Ethiopia	ETH-025	21	22	645.6	665	-19.4	Exploranium 110					
Ethiopia	ETH-025	22	23	661.9	665	-3.1	Exploranium 110					
Ethiopia	ETH-025	23	24	691.0	665	26.0	Exploranium 110	4.1	76.6	5.6	Exploranium GR-135G	
Ethiopia	ETH-025	24	25	610.2	665	-54.8	Exploranium 110					
Ethiopia	ETH-025	25	26	640.7	665	-24.3	Exploranium 110					
Ethiopia	ETH-025	26	27	620.4	665	-44.6	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-025	27	28	581.5	665	-83.5	Exploranium 110					
Ethiopia	ETH-025	28	29	603.8	665	-61.2	Exploranium 110					
Ethiopia	ETH-025	29	30	599.0	665	-66.0	Exploranium 110					
Ethiopia	ETH-025	30	31	615.2	665	-49.8	Exploranium 110					
Ethiopia	ETH-025	31	32	676.8	665	11.8	Exploranium 110	5.7	82.0	5.7	Exploranium GR-135G	
Ethiopia	ETH-025	32	33	600.6	665	-64.4	Exploranium 110					
Ethiopia	ETH-025	33	34	608.6	665	-56.4	Exploranium 110					
Ethiopia	ETH-025	34	35	661.3	665	-3.7	Exploranium 110					
Ethiopia	ETH-025	35	36	675.4	665	10.4	Exploranium 110					
Ethiopia	ETH-025	36	37	628.4	665	-36.6	Exploranium 110					
Ethiopia	ETH-025	37	38	661.3	665	-3.7	Exploranium 110	0.0	129.8	5.5	Exploranium GR-135G	
Ethiopia	ETH-025	38	39	605.3	665	-59.7	Exploranium 110					
Ethiopia	ETH-025	39	40	587.7	665	-77.3	Exploranium 110					
Ethiopia	ETH-026	0	1	604.7	615	-10.3	Exploranium 110					
Ethiopia	ETH-026	1	2	565.4	615	-49.6	Exploranium 110					
Ethiopia	ETH-026	2	3	591.5	615	-23.5	Exploranium 110					
Ethiopia	ETH-026	3	4	580.5	615	-34.5	Exploranium 110					
Ethiopia	ETH-026	4	5	592.5	615	-22.5	Exploranium 110					
Ethiopia	ETH-026	5	6	594.8	615	-20.2	Exploranium 110					
Ethiopia	ETH-026	6	7	540.9	615	-74.1	Exploranium 110					
Ethiopia	ETH-026	7	8	517.2	615	-97.8	Exploranium 110					
Ethiopia	ETH-026	8	9	542.3	615	-72.7	Exploranium 110					
Ethiopia	ETH-026	9	10	552	615	-63.0	Exploranium 110					
Ethiopia	ETH-026	10	11	591.1	615	-23.9	Exploranium 110					
Ethiopia	ETH-026	11	12	583.5	615	-31.5	Exploranium 110					
Ethiopia	ETH-026	12	13	573.4	615	-41.6	Exploranium 110					
Ethiopia	ETH-026	13	14	646.1	615	31.1	Exploranium 110					
Ethiopia	ETH-026	14	15	620.1	615	5.1	Exploranium 110					
Ethiopia	ETH-026	15	16	571.5	615	-43.5	Exploranium 110					
Ethiopia	ETH-026	16	17	595.8	615	-19.2	Exploranium 110					
Ethiopia	ETH-026	17	18	546.5	615	-68.5	Exploranium 110					
Ethiopia	ETH-026	18	19	519.8	615	-95.2	Exploranium 110					
Ethiopia	ETH-026	19	20	542.3	615	-72.7	Exploranium 110					
Ethiopia	ETH-026	20	21	597.2	615	-17.8	Exploranium 110					
Ethiopia	ETH-026	21	22	582.6	615	-32.4	Exploranium 110					
Ethiopia	ETH-026	22	23	619.2	615	4.2	Exploranium 110					
Ethiopia	ETH-026	23	24	647.4	615	32.4	Exploranium 110					
Ethiopia	ETH-026	24	25	615.8	615	0.8	Exploranium 110					
Ethiopia	ETH-026	25	26	635	615	20.0	Exploranium 110					
Ethiopia	ETH-026	26	27	638.4	615	23.4	Exploranium 110					
Ethiopia	ETH-026	27	28	656.4	615	41.4	Exploranium 110					
Ethiopia	ETH-026	28	29	674.9	615	59.9	Exploranium 110	55	83.4	3.5	Exploranium GR-135G	
Ethiopia	ETH-026	29	30	573	615	-42.0	Exploranium 110					
Ethiopia	ETH-026	30	31	623.3	615	8.3	Exploranium 110					
Ethiopia	ETH-026	31	32	793.5	615	178.5	Exploranium 110					
Ethiopia	ETH-026	32	33	690.1	615	75.1	Exploranium 110					
Ethiopia	ETH-026	33	34	666.5	615	51.5	Exploranium 110					
Ethiopia	ETH-026	34	35	768.2	615	153.2	Exploranium 110	24.2	63	4.4	Exploranium GR-135G	
Ethiopia	ETH-026	35	36	732.2	615	117.2	Exploranium 110	29.6	56	2.8	Exploranium GR-135G	
Ethiopia	ETH-026	36	37	617.4	615	2.4	Exploranium 110					
Ethiopia	ETH-026	37	38	709.8	615	94.8	Exploranium 110					
Ethiopia	ETH-026	38	39	582	615	-33.0	Exploranium 110					
Ethiopia	ETH-026	39	40	504.5	615	-110.5	Exploranium 110					
Ethiopia	ETH-026	40	41	608	615	-7.0	Exploranium 110					
Ethiopia	ETH-026	41	42	597	615	-18.0	Exploranium 110					
Ethiopia	ETH-026	42	43	567.9	615	-47.1	Exploranium 110					
Ethiopia	ETH-026	43	44	659.5	615	44.5	Exploranium 110	11.6	71.4	3.4	Exploranium GR-135G	
Ethiopia	ETH-026	44	45	653.7	615	38.7	Exploranium 110					
Ethiopia	ETH-026	45	46	628.9	615	13.9	Exploranium 110					
Ethiopia	ETH-026	46	47	627.0	615	12.0	Exploranium 110					
Ethiopia	ETH-027	0	1	530.8	535	-4.2	Exploranium 110					
Ethiopia	ETH-027	1	2	563.7	535	28.7	Exploranium 110					
Ethiopia	ETH-027	2	3	524.7	535	-10.3	Exploranium 110					
Ethiopia	ETH-027	3	4	540.3	535	5.3	Exploranium 110					
Ethiopia	ETH-027	4	5	551.8	535	16.8	Exploranium 110					
Ethiopia	ETH-027	5	6	594.4	535	59.4	Exploranium 110					
Ethiopia	ETH-027	6	7	586.5	535	51.5	Exploranium 110					
Ethiopia	ETH-027	7	8	599.2	535	64.2	Exploranium 110					
Ethiopia	ETH-027	8	9	594.2	535	59.2	Exploranium 110					
Ethiopia	ETH-027	9	10	586.3	535	51.3	Exploranium 110					
Ethiopia	ETH-027	10	11	559.9	535	24.9	Exploranium 110					
Ethiopia	ETH-027	11	12	628.4	535	93.4	Exploranium 110					
Ethiopia	ETH-027	12	13	578.5	535	43.5	Exploranium 110					
Ethiopia	ETH-027	13	14	593.2	535	58.2	Exploranium 110					
Ethiopia	ETH-027	14	15	629.1	535	94.1	Exploranium 110					
Ethiopia	ETH-027	15	16	583.4	535	48.4	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-027	16	17	587.2	535	52.2	Exploranium 110					
Ethiopia	ETH-027	17	18	579.6	535	44.6	Exploranium 110					
Ethiopia	ETH-027	18	19	577.4	535	42.4	Exploranium 110					
Ethiopia	ETH-027	19	20	568.6	535	33.6	Exploranium 110					
Ethiopia	ETH-027	20	21	613.6	535	78.6	Exploranium 110					
Ethiopia	ETH-027	21	22	554.7	535	19.7	Exploranium 110					
Ethiopia	ETH-027	22	23	572.2	535	37.2	Exploranium 110					
Ethiopia	ETH-027	23	24	581.3	535	46.3	Exploranium 110					
Ethiopia	ETH-027	24	25	554.9	535	19.9	Exploranium 110					
Ethiopia	ETH-027	25	26	601.8	535	66.8	Exploranium 110					
Ethiopia	ETH-027	26	27	659.6	535	124.6	Exploranium 110	12.3	58.8	5.3	Exploranium GR-135G	
Ethiopia	ETH-027	27	28	629.7	535	94.7	Exploranium 110					
Ethiopia	ETH-027	28	29	598.1	535	63.1	Exploranium 110					
Ethiopia	ETH-027	29	30	642.0	535	107.0	Exploranium 110	20.4	30.3	4.0	Exploranium GR-135G	
Ethiopia	ETH-027	30	31	538.1	535	3.1	Exploranium 110					
Ethiopia	ETH-027	31	32	522.8	535	-12.2	Exploranium 110					
Ethiopia	ETH-027	32	33	519.8	535	-15.2	Exploranium 110					
Ethiopia	ETH-027	33	34	532.6	535	-2.4	Exploranium 110					
Ethiopia	ETH-027	34	35	532.4	535	-2.6	Exploranium 110					
Ethiopia	ETH-027	35	36	434.7	535	-100.3	Exploranium 110					
Ethiopia	ETH-027	36	37	491.2	535	-43.8	Exploranium 110					
Ethiopia	ETH-027	37	38	552.4	535	17.4	Exploranium 110					
Ethiopia	ETH-027	38	39	576.1	535	41.1	Exploranium 110	13.1	57.5	2.4	Exploranium GR-135G	
Ethiopia	ETH-027	39	40	543.7	535	8.7	Exploranium 110					
Ethiopia	ETH-028	0	1	548.1	480	68.1	Exploranium 110	14.7	32.1	4.6	Exploranium GR-135G	
Ethiopia	ETH-028	1	2	505.9	480	25.9	Exploranium 110					
Ethiopia	ETH-028	2	3	503.8	480	23.8	Exploranium 110					
Ethiopia	ETH-028	3	4	453.0	480	-27.0	Exploranium 110					
Ethiopia	ETH-028	4	5	533.9	480	53.9	Exploranium 110					
Ethiopia	ETH-028	5	6	474.0	480	-6.0	Exploranium 110					
Ethiopia	ETH-028	6	7	470.7	480	-9.3	Exploranium 110					
Ethiopia	ETH-028	7	8	491.9	480	11.9	Exploranium 110					
Ethiopia	ETH-028	8	9	464.3	480	-15.7	Exploranium 110					
Ethiopia	ETH-028	9	10	417.9	480	-62.1	Exploranium 110					
Ethiopia	ETH-028	10	11	442.1	480	-37.9	Exploranium 110					
Ethiopia	ETH-028	11	12	433.7	480	-46.3	Exploranium 110					
Ethiopia	ETH-028	12	13	445.3	480	-34.7	Exploranium 110					
Ethiopia	ETH-028	13	14	471.2	480	-8.8	Exploranium 110					
Ethiopia	ETH-028	14	15	462.5	480	-17.5	Exploranium 110					
Ethiopia	ETH-028	15	16	483.4	480	3.4	Exploranium 110					
Ethiopia	ETH-028	16	17	504.6	480	24.6	Exploranium 110					
Ethiopia	ETH-028	17	18	452.2	480	-27.8	Exploranium 110					
Ethiopia	ETH-028	18	19	437.5	480	-42.5	Exploranium 110					
Ethiopia	ETH-028	19	20	449.6	480	-30.4	Exploranium 110					
Ethiopia	ETH-028	20	21	469.6	480	-10.4	Exploranium 110					
Ethiopia	ETH-028	21	22	491.6	480	11.6	Exploranium 110					
Ethiopia	ETH-028	22	23	435.3	480	-44.7	Exploranium 110					
Ethiopia	ETH-028	23	24	434.7	480	-45.3	Exploranium 110					
Ethiopia	ETH-028	24	25	466.4	480	-13.6	Exploranium 110					
Ethiopia	ETH-028	25	26	447.5	480	-32.5	Exploranium 110					
Ethiopia	ETH-028	26	27	474.5	480	-5.5	Exploranium 110					
Ethiopia	ETH-028	27	28	443.9	480	-36.1	Exploranium 110					
Ethiopia	ETH-028	28	29	456.8	480	-23.2	Exploranium 110					
Ethiopia	ETH-028	29	30	441.4	480	-38.6	Exploranium 110					
Ethiopia	ETH-028	30	31	488.2	480	8.2	Exploranium 110					
Ethiopia	ETH-028	31	32	532.5	480	52.5	Exploranium 110					
Ethiopia	ETH-028	32	33	539.9	480	59.9	Exploranium 110					
Ethiopia	ETH-028	33	34	747.6	480	267.6	Exploranium 110	54.9	52.4	4.6	Exploranium GR-135G	
Ethiopia	ETH-028	34	35	702.6	480	222.6	Exploranium 110	50.3	25.3	4.4	Exploranium GR-135G	
Ethiopia	ETH-028	35	36	625.7	480	145.7	Exploranium 110	17.8	69.7	3.7	Exploranium GR-135G	
Ethiopia	ETH-028	36	37	552.0	480	72.0	Exploranium 110	6.5	33.9	4.1	Exploranium GR-135G	
Ethiopia	ETH-029	0	1	163.8	135	28.8	Exploranium 110					
Ethiopia	ETH-029	1	2	155.8	135	20.8	Exploranium 110					
Ethiopia	ETH-029	2	3	218.1	135	83.1	Exploranium 110					
Ethiopia	ETH-029	3	4	253.0	135	118.0	Exploranium 110					
Ethiopia	ETH-029	4	5	367.4	135	232.4	Exploranium 110	21.3	29.1	1.2	Exploranium GR-135G	
Ethiopia	ETH-029	5	6	231.2	135	96.2	Exploranium 110					
Ethiopia	ETH-029	6	7	198.0	135	63.0	Exploranium 110					
Ethiopia	ETH-029	7	8	213.5	135	78.5	Exploranium 110					
Ethiopia	ETH-029	8	9	237.3	135	102.3	Exploranium 110					
Ethiopia	ETH-029	9	10	201.6	135	66.6	Exploranium 110					
Ethiopia	ETH-029	10	11	221.4	135	86.4	Exploranium 110					
Ethiopia	ETH-029	11	12	246.7	135	111.7	Exploranium 110					
Ethiopia	ETH-029	12	13	244.2	135	109.2	Exploranium 110					
Ethiopia	ETH-029	13	14	267.0	135	132.0	Exploranium 110					
Ethiopia	ETH-029	14	15	337.5	135	202.5	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-029	15	16	322.4	135	187.4	Exploranium 110					
Ethiopia	ETH-029	16	17	251.3	135	116.3	Exploranium 110					
Ethiopia	ETH-029	17	18	205.0	135	70.0	Exploranium 110					
Ethiopia	ETH-029	18	19	212.7	135	77.7	Exploranium 110					
Ethiopia	ETH-029	19	20	165.2	135	30.2	Exploranium 110					
Ethiopia	ETH-029	20	21	231.6	135	96.6	Exploranium 110					
Ethiopia	ETH-029	21	22	145.0	135	10.0	Exploranium 110					
Ethiopia	ETH-029	22	23	193.9	135	58.9	Exploranium 110					
Ethiopia	ETH-029	23	24	208.4	135	73.4	Exploranium 110					
Ethiopia	ETH-029	24	25	169.0	135	34.0	Exploranium 110					
Ethiopia	ETH-029	25	26	235.0	135	100.0	Exploranium 110					
Ethiopia	ETH-029	26	27	421.4	135	286.4	Exploranium 110	12.2	44.6	1.5	Exploranium GR-135G	
Ethiopia	ETH-029	27	28	454.6	135	319.6	Exploranium 110					
Ethiopia	ETH-029	28	29	510.1	135	375.1	Exploranium 110	7.6	62.6	4.3	Exploranium GR-135G	
Ethiopia	ETH-029	29	30	448.0	135	313.0	Exploranium 110					
Ethiopia	ETH-029	30	31	342.9	135	207.9	Exploranium 110					
Ethiopia	ETH-029	31	32	452.7	135	317.7	Exploranium 110	13.3	44.8	2.9	Exploranium GR-135G	
Ethiopia	ETH-029	32	33	426.2	135	291.2	Exploranium 110					
Ethiopia	ETH-029	33	34	342.9	135	207.9	Exploranium 110					
Ethiopia	ETH-030	0	1	199.2	170	29.2	Exploranium 110					
Ethiopia	ETH-030	1	2	227.3	170	57.3	Exploranium 110					
Ethiopia	ETH-030	2	3	230.8	170	60.8	Exploranium 110					
Ethiopia	ETH-030	3	4	120.3	170	-49.7	Exploranium 110					
Ethiopia	ETH-030	4	5	221.2	170	51.2	Exploranium 110					
Ethiopia	ETH-030	5	6	245.7	170	75.7	Exploranium 110					
Ethiopia	ETH-030	6	7	251.1	170	81.1	Exploranium 110					
Ethiopia	ETH-030	7	8	259.9	170	89.9	Exploranium 110					
Ethiopia	ETH-030	8	9	274.4	170	104.4	Exploranium 110					
Ethiopia	ETH-030	9	10	233.7	170	63.7	Exploranium 110					
Ethiopia	ETH-030	10	11	269.3	170	99.3	Exploranium 110					
Ethiopia	ETH-030	11	12	280.0	170	110.0	Exploranium 110					
Ethiopia	ETH-030	12	13	258.6	170	88.6	Exploranium 110					
Ethiopia	ETH-030	13	14	291.8	170	121.8	Exploranium 110					
Ethiopia	ETH-030	14	15	304.5	170	134.5	Exploranium 110					
Ethiopia	ETH-030	15	16	298.9	170	128.9	Exploranium 110					
Ethiopia	ETH-030	16	17	308.4	170	138.4	Exploranium 110					
Ethiopia	ETH-030	17	18	361.8	170	191.8	Exploranium 110					
Ethiopia	ETH-030	18	19	321.8	170	151.8	Exploranium 110					
Ethiopia	ETH-030	19	20	292.3	170	122.3	Exploranium 110					
Ethiopia	ETH-030	20	21	282.6	170	112.6	Exploranium 110					
Ethiopia	ETH-030	21	22	312.6	170	142.6	Exploranium 110					
Ethiopia	ETH-030	22	23	375.0	170	205.0	Exploranium 110	16.7	31.2	3.5	Exploranium GR-135G	
Ethiopia	ETH-030	23	24	332.7	170	162.7	Exploranium 110					
Ethiopia	ETH-030	24	25	295.3	170	125.3	Exploranium 110					
Ethiopia	ETH-030	25	26	343.9	170	173.9	Exploranium 110					
Ethiopia	ETH-030	26	27	327.1	170	157.1	Exploranium 110					
Ethiopia	ETH-030	27	28	249.6	170	79.6	Exploranium 110					
Ethiopia	ETH-030	28	29	272.2	170	102.2	Exploranium 110					
Ethiopia	ETH-030	29	30	313.2	170	143.2	Exploranium 110					
Ethiopia	ETH-030	30	31	308.1	170	138.1	Exploranium 110					
Ethiopia	ETH-030	31	32	451.1	170	281.1	Exploranium 110	15.3	28.8	2.9	Exploranium GR-135G	
Ethiopia	ETH-030	32	33	390.2	170	220.2	Exploranium 110	18.5	19.9	2.6	Exploranium GR-135G	
Ethiopia	ETH-030	33	34	323.6	170	153.6	Exploranium 110					
Ethiopia	ETH-030	34	35	344.1	170	174.1	Exploranium 110					
Ethiopia	ETH-030	35	36	331.7	170	161.7	Exploranium 110					
Ethiopia	ETH-030	36	37	271.0	170	101.0	Exploranium 110					
Ethiopia	ETH-030	37	38	298.8	170	128.8	Exploranium 110					
Ethiopia	ETH-030	38	39	294.3	170	124.3	Exploranium 110					
Ethiopia	ETH-030	39	40	268.4	170	98.4	Exploranium 110					
Ethiopia	ETH-031	0	1				Exploranium 110					No sample return
Ethiopia	ETH-031	1	2	319.1	290	29.1	Exploranium 110					
Ethiopia	ETH-031	2	3	350.3	290	60.3	Exploranium 110					
Ethiopia	ETH-031	3	4	327.2	290	37.2	Exploranium 110					
Ethiopia	ETH-031	4	5	352.5	290	62.5	Exploranium 110					
Ethiopia	ETH-031	5	6	395.5	290	105.5	Exploranium 110					
Ethiopia	ETH-031	6	7	350.5	290	60.5	Exploranium 110					
Ethiopia	ETH-031	7	8	385.2	290	95.2	Exploranium 110					
Ethiopia	ETH-031	8	9	379.4	290	89.4	Exploranium 110					
Ethiopia	ETH-031	9	10	353.6	290	63.6	Exploranium 110					
Ethiopia	ETH-031	10	11	366.1	290	76.1	Exploranium 110					
Ethiopia	ETH-031	11	12	400.1	290	110.1	Exploranium 110					
Ethiopia	ETH-031	12	13	360.1	290	70.1	Exploranium 110					
Ethiopia	ETH-031	13	14	415.7	290	125.7	Exploranium 110	2.3	53.7	4.8	Exploranium GR-135G	
Ethiopia	ETH-031	14	15	379.3	290	89.3	Exploranium 110					
Ethiopia	ETH-031	15	16	381.2	290	91.2	Exploranium 110					
Ethiopia	ETH-031	16	17	377.2	290	87.2	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-031	17	18	364.6	290	74.6	Exploranium 110					
Ethiopia	ETH-031	18	19	341.7	290	51.7	Exploranium 110					
Ethiopia	ETH-031	19	20	365.3	290	75.3	Exploranium 110					
Ethiopia	ETH-031	20	21	367.4	290	77.4	Exploranium 110					
Ethiopia	ETH-031	21	22	376.6	290	86.6	Exploranium 110	0.0	98.6	5.5	Exploranium GR-135G	
Ethiopia	ETH-031	22	23	356.8	290	66.8	Exploranium 110					
Ethiopia	ETH-031	23	24	346.8	290	56.8	Exploranium 110					
Ethiopia	ETH-031	24	25	306.8	290	16.8	Exploranium 110					
Ethiopia	ETH-031	25	26	313.7	290	23.7	Exploranium 110					
Ethiopia	ETH-031	26	27	330.6	290	40.6	Exploranium 110					
Ethiopia	ETH-031	27	28	338.3	290	48.3	Exploranium 110					
Ethiopia	ETH-031	28	29	363.6	290	73.6	Exploranium 110					
Ethiopia	ETH-031	29	30	344.6	290	54.6	Exploranium 110					
Ethiopia	ETH-031	30	31	337.0	290	47.0	Exploranium 110					
Ethiopia	ETH-031	31	32	400.9	290	110.9	Exploranium 110					
Ethiopia	ETH-031	32	33	417.8	290	127.8	Exploranium 110	2.2	58.4	3.1	Exploranium GR-135G	
Ethiopia	ETH-031	33	34	360.7	290	70.7	Exploranium 110					
Ethiopia	ETH-031	34	35	348.7	290	58.7	Exploranium 110					
Ethiopia	ETH-031	35	36	337.6	290	47.6	Exploranium 110					
Ethiopia	ETH-031	36	37	320.8	290	30.8	Exploranium 110					
Ethiopia	ETH-032	0	1	403.5	435	-31.5	Exploranium 110					
Ethiopia	ETH-032	1	2	410.6	435	-24.4	Exploranium 110					
Ethiopia	ETH-032	2	3	399.2	435	-35.8	Exploranium 110					
Ethiopia	ETH-032	3	4	406.4	435	-28.6	Exploranium 110					
Ethiopia	ETH-032	4	5	439.9	435	4.9	Exploranium 110					
Ethiopia	ETH-032	5	6	461.6	435	26.6	Exploranium 110					
Ethiopia	ETH-032	6	7	413.7	435	-21.3	Exploranium 110					
Ethiopia	ETH-032	7	8	435.2	435	0.2	Exploranium 110					
Ethiopia	ETH-032	8	9	383.8	435	-51.2	Exploranium 110					
Ethiopia	ETH-032	9	10	320.0	435	-115.0	Exploranium 110					
Ethiopia	ETH-032	10	11	388.9	435	-46.1	Exploranium 110					
Ethiopia	ETH-032	11	12	403.6	435	-31.4	Exploranium 110					
Ethiopia	ETH-032	12	13	394.3	435	-40.7	Exploranium 110					
Ethiopia	ETH-032	13	14	389.8	435	-45.2	Exploranium 110					
Ethiopia	ETH-032	14	15	395.2	435	-39.8	Exploranium 110					
Ethiopia	ETH-032	15	16	414.3	435	-20.7	Exploranium 110					
Ethiopia	ETH-032	16	17	423.3	435	-11.7	Exploranium 110					
Ethiopia	ETH-032	17	18	467.7	435	32.7	Exploranium 110	12.5	42.4	2.8	Exploranium GR-135G	
Ethiopia	ETH-032	18	19	445.4	435	10.4	Exploranium 110					
Ethiopia	ETH-032	19	20	431.1	435	-3.9	Exploranium 110					
Ethiopia	ETH-032	20	21	439.6	435	4.6	Exploranium 110					
Ethiopia	ETH-032	21	22	459.2	435	24.2	Exploranium 110					
Ethiopia	ETH-032	22	23	459.8	435	24.8	Exploranium 110					
Ethiopia	ETH-032	23	24	460.2	435	25.2	Exploranium 110					
Ethiopia	ETH-032	24	25	430.7	435	-4.3	Exploranium 110					
Ethiopia	ETH-032	25	26	453.3	435	18.3	Exploranium 110					
Ethiopia	ETH-032	26	27	501.3	435	66.3	Exploranium 110	8.5	48.3	2.2	Exploranium GR-135G	
Ethiopia	ETH-032	27	28	469.8	435	34.8	Exploranium 110					
Ethiopia	ETH-032	28	29	465.7	435	30.7	Exploranium 110	0.0	65.8	3.3	Exploranium GR-135G	
Ethiopia	ETH-032	29	30	457.3	435	22.3	Exploranium 110					
Ethiopia	ETH-032	30	31	442.7	435	7.7	Exploranium 110					
Ethiopia	ETH-033	0	1	494.7	600	-105.3	Exploranium 110					
Ethiopia	ETH-033	1	2	501.0	600	-99.0	Exploranium 110					
Ethiopia	ETH-033	2	3	494.0	600	-106.0	Exploranium 110					
Ethiopia	ETH-033	3	4	487.4	600	-112.6	Exploranium 110					
Ethiopia	ETH-033	4	5	656.2	600	56.2	Exploranium 110					
Ethiopia	ETH-033	5	6	727.5	600	127.5	Exploranium 110					
Ethiopia	ETH-033	6	7	756.5	600	156.5	Exploranium 110					
Ethiopia	ETH-033	7	8	842.1	600	242.1	Exploranium 110	0.0	150.8	0.9	Exploranium GR-135G	
Ethiopia	ETH-033	8	9	832.9	600	232.9	Exploranium 110					
Ethiopia	ETH-033	9	10	759.0	600	159.0	Exploranium 110					
Ethiopia	ETH-033	10	11	703.2	600	103.2	Exploranium 110					
Ethiopia	ETH-033	11	12	730.3	600	130.3	Exploranium 110					
Ethiopia	ETH-033	12	13	813.9	600	213.9	Exploranium 110					
Ethiopia	ETH-033	13	14	863.1	600	263.1	Exploranium 110	13.6	111.4	3.0	Exploranium GR-135G	
Ethiopia	ETH-033	14	15	847.5	600	247.5	Exploranium 110					
Ethiopia	ETH-033	15	16	763.5	600	163.5	Exploranium 110					
Ethiopia	ETH-033	16	17	880.1	600	280.1	Exploranium 110					
Ethiopia	ETH-033	17	18	876.6	600	276.6	Exploranium 110					
Ethiopia	ETH-033	18	19	776.6	600	176.6	Exploranium 110					
Ethiopia	ETH-033	19	20	893.1	600	293.1	Exploranium 110	30.4	88.2	0.7	Exploranium GR-135G	
Ethiopia	ETH-033	20	21	670.4	600	70.4	Exploranium 110					
Ethiopia	ETH-033	21	22	666.5	600	66.5	Exploranium 110					
Ethiopia	ETH-033	22	23	752.0	600	152.0	Exploranium 110					
Ethiopia	ETH-033	23	24	720.7	600	120.7	Exploranium 110					
Ethiopia	ETH-033	24	25	652.3	600	52.3	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-033	25	26	710.4	600	110.4	Exploranium 110					
Ethiopia	ETH-033	26	27	716.1	600	116.1	Exploranium 110					
Ethiopia	ETH-033	27	28	684.3	600	84.3	Exploranium 110					
Ethiopia	ETH-033	28	29	735.0	600	135.0	Exploranium 110					
Ethiopia	ETH-033	29	30	737.5	600	137.5	Exploranium 110					
Ethiopia	ETH-033	30	31	645.5	600	45.5	Exploranium 110					
Ethiopia	ETH-033	31	32	710.7	600	110.7	Exploranium 110					
Ethiopia	ETH-033	32	33	817.1	600	217.1	Exploranium 110					
Ethiopia	ETH-033	33	34	719.4	600	119.4	Exploranium 110					
Ethiopia	ETH-033	34	35	796.5	600	196.5	Exploranium 110					
Ethiopia	ETH-033	35	36	786.8	600	186.8	Exploranium 110					
Ethiopia	ETH-033	36	37	758.3	600	158.3	Exploranium 110					
Ethiopia	ETH-033	37	38	823.7	600	223.7	Exploranium 110	23.8	57.8	3.7	Exploranium GR-135G	
Ethiopia	ETH-033	38	39	735.5	600	135.5	Exploranium 110					
Ethiopia	ETH-033	39	40	767.6	600	167.6	Exploranium 110					
Ethiopia	ETH-034	0	1	461.5	370	91.5	Exploranium 110					
Ethiopia	ETH-034	1	2	619.9	370	249.9	Exploranium 110	17.6	63.6	0.8	Exploranium GR-135G	
Ethiopia	ETH-034	2	3	553.9	370	183.9	Exploranium 110					
Ethiopia	ETH-034	3	4	583.0	370	213.0	Exploranium 110					
Ethiopia	ETH-034	4	5	480.8	370	110.8	Exploranium 110					
Ethiopia	ETH-034	5	6	523.7	370	153.7	Exploranium 110					
Ethiopia	ETH-034	6	7	410.0	370	40.0	Exploranium 110					
Ethiopia	ETH-034	7	8	537.6	370	167.6	Exploranium 110					
Ethiopia	ETH-034	8	9	523.3	370	153.3	Exploranium 110					
Ethiopia	ETH-034	9	10	455.0	370	85.0	Exploranium 110					
Ethiopia	ETH-034	10	11	394.0	370	24.0	Exploranium 110					
Ethiopia	ETH-034	11	12	392.1	370	22.1	Exploranium 110					
Ethiopia	ETH-034	12	13	353.6	370	-16.4	Exploranium 110					
Ethiopia	ETH-034	13	14	421.7	370	51.7	Exploranium 110					
Ethiopia	ETH-034	14	15	443.7	370	73.7	Exploranium 110					
Ethiopia	ETH-034	15	16	415.8	370	45.8	Exploranium 110					
Ethiopia	ETH-034	16	17	475.2	370	105.2	Exploranium 110					
Ethiopia	ETH-034	17	18	450.3	370	80.3	Exploranium 110					
Ethiopia	ETH-034	18	19	479.0	370	109.0	Exploranium 110	17.1	32.5	0.6	Exploranium GR-135G	
Ethiopia	ETH-034	19	20	438.7	370	68.7	Exploranium 110					
Ethiopia	ETH-034	20	21	383.5	370	13.5	Exploranium 110					
Ethiopia	ETH-034	21	22	392.0	370	22.0	Exploranium 110					
Ethiopia	ETH-034	22	23	429.4	370	59.4	Exploranium 110					
Ethiopia	ETH-034	23	24	357.1	370	-12.9	Exploranium 110					
Ethiopia	ETH-034	24	25	370.1	370	0.1	Exploranium 110					
Ethiopia	ETH-034	25	26	320.3	370	-49.7	Exploranium 110					
Ethiopia	ETH-034	26	27	318.8	370	-51.2	Exploranium 110					
Ethiopia	ETH-034	27	28	318.1	370	-51.9	Exploranium 110					
Ethiopia	ETH-034	28	29	336.6	370	-33.4	Exploranium 110					
Ethiopia	ETH-034	29	30	341.7	370	-28.3	Exploranium 110					
Ethiopia	ETH-034	30	31	321.6	370	-48.4	Exploranium 110					
Ethiopia	ETH-034	31	32	319.6	370	-50.4	Exploranium 110					
Ethiopia	ETH-034	32	33	316.7	370	-53.3	Exploranium 110					
Ethiopia	ETH-034	33	34	301.3	370	-68.7	Exploranium 110					
Ethiopia	ETH-034	34	35	323.1	370	-46.9	Exploranium 110					
Ethiopia	ETH-034	35	36	312.5	370	-57.5	Exploranium 110					
Ethiopia	ETH-034	36	37	327.9	370	-42.1	Exploranium 110	11.7	12.7	0.1	Exploranium GR-135G	
Ethiopia	ETH-035	0	1	302.7	295	7.7	Exploranium 110					
Ethiopia	ETH-035	1	2	329.3	295	34.3	Exploranium 110					
Ethiopia	ETH-035	2	3	341.7	295	46.7	Exploranium 110					
Ethiopia	ETH-035	3	4	349.6	295	54.6	Exploranium 110					
Ethiopia	ETH-035	4	5	386.1	295	91.1	Exploranium 110					
Ethiopia	ETH-035	5	6	371.7	295	76.7	Exploranium 110					
Ethiopia	ETH-035	6	7	380.8	295	85.8	Exploranium 110					
Ethiopia	ETH-035	7	8	387.4	295	92.4	Exploranium 110					
Ethiopia	ETH-035	8	9	384.0	295	89.0	Exploranium 110					
Ethiopia	ETH-035	9	10	382.1	295	87.1	Exploranium 110					
Ethiopia	ETH-035	10	11	356.2	295	61.2	Exploranium 110					
Ethiopia	ETH-035	11	12	404.1	295	109.1	Exploranium 110					
Ethiopia	ETH-035	12	13	435.0	295	140.0	Exploranium 110					
Ethiopia	ETH-035	13	14	489.3	295	194.3	Exploranium 110					
Ethiopia	ETH-035	14	15	436.0	295	141.0	Exploranium 110					
Ethiopia	ETH-035	15	16	403.5	295	108.5	Exploranium 110					
Ethiopia	ETH-035	16	17	494.2	295	199.2	Exploranium 110					
Ethiopia	ETH-035	17	18	385.0	295	90.0	Exploranium 110					
Ethiopia	ETH-035	18	19	339.3	295	44.3	Exploranium 110					
Ethiopia	ETH-035	19	20	482.4	295	187.4	Exploranium 110					
Ethiopia	ETH-035	20	21	449.6	295	154.6	Exploranium 110					
Ethiopia	ETH-035	21	22	488.5	295	193.5	Exploranium 110					
Ethiopia	ETH-035	22	23	568.4	295	273.4	Exploranium 110	13.4	40.1	4.3	Exploranium GR-135G	
Ethiopia	ETH-035	23	24	587.1	295	292.1	Exploranium 110	17.2	54.4	3.5	Exploranium GR-135G	

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-035	24	25	512.6	295	217.6	Exploranium 110					
Ethiopia	ETH-035	25	26	527.3	295	232.3	Exploranium 110					
Ethiopia	ETH-035	26	27	576.9	295	281.9	Exploranium 110	10.9	40.4	3.7	Exploranium GR-135G	
Ethiopia	ETH-035	27	28	576.1	295	281.1	Exploranium 110					
Ethiopia	ETH-035	28	29	397.1	295	102.1	Exploranium 110					
Ethiopia	ETH-035	29	30	380.5	295	85.5	Exploranium 110					
Ethiopia	ETH-035	30	31	390.3	295	95.3	Exploranium 110					
Ethiopia	ETH-035	31	32	596.0	295	301.0	Exploranium 110	0.0	72.5	3.2	Exploranium GR-135G	
Ethiopia	ETH-036	0	1	380.3	355	25.3	Exploranium 110					
Ethiopia	ETH-036	1	2	321.9	355	-33.1	Exploranium 110					
Ethiopia	ETH-036	2	3	308.7	355	-46.3	Exploranium 110					
Ethiopia	ETH-036	3	4	305.2	355	-49.8	Exploranium 110					
Ethiopia	ETH-036	4	5	266.2	355	-88.8	Exploranium 110					
Ethiopia	ETH-036	5	6	280.9	355	-74.1	Exploranium 110					
Ethiopia	ETH-036	6	7	286.9	355	-68.1	Exploranium 110					
Ethiopia	ETH-036	7	8	283.8	355	-71.2	Exploranium 110					
Ethiopia	ETH-036	8	9	288.5	355	-66.5	Exploranium 110					
Ethiopia	ETH-036	9	10	273.6	355	-81.4	Exploranium 110					
Ethiopia	ETH-036	10	11	285.4	355	-69.6	Exploranium 110					
Ethiopia	ETH-036	11	12	277.6	355	-77.4	Exploranium 110					
Ethiopia	ETH-036	12	13	269.9	355	-85.1	Exploranium 110					
Ethiopia	ETH-036	13	14	274.9	355	-80.1	Exploranium 110					
Ethiopia	ETH-036	14	15	276.9	355	-78.1	Exploranium 110					
Ethiopia	ETH-036	15	16	275.0	355	-80.0	Exploranium 110					
Ethiopia	ETH-036	16	17	294.2	355	-60.8	Exploranium 110					
Ethiopia	ETH-036	17	18	315.5	355	-39.5	Exploranium 110					
Ethiopia	ETH-036	18	19	311.9	355	-43.1	Exploranium 110					
Ethiopia	ETH-036	19	20	357.0	355	2.0	Exploranium 110					
Ethiopia	ETH-036	20	21	218.2	355	-136.8	Exploranium 110					
Ethiopia	ETH-036	21	22	320.2	355	-34.8	Exploranium 110					
Ethiopia	ETH-036	22	23	471.4	355	116.4	Exploranium 110					
Ethiopia	ETH-036	23	24	474.1	355	119.1	Exploranium 110					
Ethiopia	ETH-036	24	25	514.9	355	159.9	Exploranium 110					
Ethiopia	ETH-036	25	26	520.7	355	165.7	Exploranium 110					
Ethiopia	ETH-036	26	27	458.8	355	103.8	Exploranium 110					
Ethiopia	ETH-036	27	28	543.8	355	188.8	Exploranium 110	6.2	43.9	2.6	Exploranium GR-135G	
Ethiopia	ETH-036	28	29	461.4	355	106.4	Exploranium 110					
Ethiopia	ETH-036	29	30	443.7	355	88.7	Exploranium 110					
Ethiopia	ETH-036	30	31	443.2	355	88.2	Exploranium 110					
Ethiopia	ETH-037	0	1	484.5	515	-30.5	Exploranium 110					
Ethiopia	ETH-037	1	2	634.4	515	119.4	Exploranium 110					
Ethiopia	ETH-037	2	3	522.3	515	7.3	Exploranium 110					
Ethiopia	ETH-037	3	4	531.0	515	16.0	Exploranium 110					
Ethiopia	ETH-037	4	5	535.6	515	20.6	Exploranium 110					
Ethiopia	ETH-037	5	6	541.5	515	26.5	Exploranium 110					
Ethiopia	ETH-037	6	7	520.0	515	5.0	Exploranium 110					
Ethiopia	ETH-037	7	8	550.4	515	35.4	Exploranium 110					
Ethiopia	ETH-037	8	9	554.7	515	39.7	Exploranium 110					
Ethiopia	ETH-037	9	10	512.1	515	-2.9	Exploranium 110					
Ethiopia	ETH-037	10	11	521.1	515	6.1	Exploranium 110					
Ethiopia	ETH-037	11	12	566.1	515	51.1	Exploranium 110					
Ethiopia	ETH-037	12	13	510.7	515	-4.3	Exploranium 110					
Ethiopia	ETH-037	13	14	471.4	515	-43.6	Exploranium 110					
Ethiopia	ETH-037	14	15	500.2	515	-14.8	Exploranium 110					
Ethiopia	ETH-037	15	16	478.2	515	-36.8	Exploranium 110					
Ethiopia	ETH-037	16	17	513.2	515	-1.8	Exploranium 110					
Ethiopia	ETH-037	17	18	495.0	515	-20.0	Exploranium 110					
Ethiopia	ETH-037	18	19	487.9	515	-27.1	Exploranium 110					
Ethiopia	ETH-037	19	20	538.8	515	23.8	Exploranium 110					
Ethiopia	ETH-037	20	21	505.4	515	-9.6	Exploranium 110					
Ethiopia	ETH-037	21	22	517.1	515	2.1	Exploranium 110					
Ethiopia	ETH-037	22	23	538.2	515	23.2	Exploranium 110					
Ethiopia	ETH-037	23	24	540.3	515	25.3	Exploranium 110					
Ethiopia	ETH-037	24	25	545.9	515	30.9	Exploranium 110					
Ethiopia	ETH-037	25	26	684.6	515	169.6	Exploranium 110	12.8	94.6	4.0	Exploranium GR-135G	
Ethiopia	ETH-037	26	27	570.4	515	55.4	Exploranium 110					
Ethiopia	ETH-037	27	28	599.8	515	84.8	Exploranium 110					
Ethiopia	ETH-037	28	29	603.0	515	88.0	Exploranium 110	11.2	81.9	3.2	Exploranium GR-135G	
Ethiopia	ETH-037	29	30	580.6	515	65.6	Exploranium 110					
Ethiopia	ETH-037	30	31	550.2	515	35.2	Exploranium 110	23.0	52.4	2.2	Exploranium GR-135G	
Ethiopia	ETH-038	0	1	511.3	505	6.3	Exploranium 110					
Ethiopia	ETH-038	1	2	528.4	505	23.4	Exploranium 110					
Ethiopia	ETH-038	2	3	525.7	505	20.7	Exploranium 110					
Ethiopia	ETH-038	3	4	530.3	505	25.3	Exploranium 110					
Ethiopia	ETH-038	4	5	590.6	505	85.6	Exploranium 110					
Ethiopia	ETH-038	5	6	617.4	505	112.4	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-038	6	7	543.3	505	38.3	Exploranium 110					
Ethiopia	ETH-038	7	8	526.9	505	21.9	Exploranium 110					
Ethiopia	ETH-038	8	9	533.3	505	28.3	Exploranium 110					
Ethiopia	ETH-038	9	10	556.9	505	51.9	Exploranium 110					
Ethiopia	ETH-038	10	11	510.4	505	5.4	Exploranium 110					
Ethiopia	ETH-038	11	12	544.8	505	39.8	Exploranium 110					
Ethiopia	ETH-038	12	13	524.7	505	19.7	Exploranium 110					
Ethiopia	ETH-038	13	14	577.1	505	72.1	Exploranium 110					
Ethiopia	ETH-038	14	15	554.4	505	49.4	Exploranium 110					
Ethiopia	ETH-038	15	16	535.6	505	30.6	Exploranium 110					
Ethiopia	ETH-038	16	17	597.0	505	92.0	Exploranium 110	4.6	81.2	4.0	Exploranium GR-135G	
Ethiopia	ETH-038	17	18	598.9	505	93.9	Exploranium 110					
Ethiopia	ETH-038	18	19	541.2	505	36.2	Exploranium 110					
Ethiopia	ETH-038	19	20	568.4	505	63.4	Exploranium 110					
Ethiopia	ETH-038	20	21	499.6	505	-5.4	Exploranium 110					
Ethiopia	ETH-038	21	22	562.3	505	57.3	Exploranium 110					
Ethiopia	ETH-038	22	23	578.9	505	73.9	Exploranium 110					
Ethiopia	ETH-038	23	24	628.5	505	123.5	Exploranium 110	2.1	89.7	3.9	Exploranium GR-135G	
Ethiopia	ETH-038	24	25	558.0	505	53.0	Exploranium 110					
Ethiopia	ETH-038	25	26	531.8	505	26.8	Exploranium 110					
Ethiopia	ETH-038	26	27	569.2	505	64.2	Exploranium 110					
Ethiopia	ETH-038	27	28	589.7	505	84.7	Exploranium 110	0.0	99.2	5.8	Exploranium GR-135G	
Ethiopia	ETH-039	0	1	430.5	445	-14.5	Exploranium 110					
Ethiopia	ETH-039	1	2	555.5	445	110.5	Exploranium 110	9.2	43.8	4.2	Exploranium GR-135G	
Ethiopia	ETH-039	2	3	449.5	445	4.5	Exploranium 110					
Ethiopia	ETH-039	3	4	387.2	445	-57.8	Exploranium 110					
Ethiopia	ETH-039	4	5	398.3	445	-46.7	Exploranium 110					
Ethiopia	ETH-039	5	6	443.7	445	-1.3	Exploranium 110					
Ethiopia	ETH-039	6	7	417.5	445	-27.5	Exploranium 110					
Ethiopia	ETH-039	7	8	495.1	445	50.1	Exploranium 110					
Ethiopia	ETH-039	8	9	435.1	445	-9.9	Exploranium 110					
Ethiopia	ETH-039	9	10	434.7	445	-10.3	Exploranium 110					
Ethiopia	ETH-039	10	11	448.6	445	3.6	Exploranium 110					
Ethiopia	ETH-039	11	12	462.8	445	17.8	Exploranium 110					
Ethiopia	ETH-039	12	13	458.1	445	13.1	Exploranium 110					
Ethiopia	ETH-039	13	14	451.5	445	6.5	Exploranium 110					
Ethiopia	ETH-039	14	15	469.0	445	24.0	Exploranium 110					
Ethiopia	ETH-039	15	16	459.6	445	14.6	Exploranium 110					
Ethiopia	ETH-039	16	17	502.5	445	57.5	Exploranium 110					
Ethiopia	ETH-039	17	18	545.4	445	100.4	Exploranium 110	1.4	67.3	5.9	Exploranium GR-135G	
Ethiopia	ETH-039	18	19	494.8	445	49.8	Exploranium 110					
Ethiopia	ETH-039	19	20	490.7	445	45.7	Exploranium 110					
Ethiopia	ETH-039	20	21	472.7	445	27.7	Exploranium 110					
Ethiopia	ETH-039	21	22	471.6	445	26.6	Exploranium 110					
Ethiopia	ETH-039	22	23	485.5	445	40.5	Exploranium 110					
Ethiopia	ETH-039	23	24	409.5	445	-35.5	Exploranium 110					
Ethiopia	ETH-039	24	25	382.8	445	-62.2	Exploranium 110					
Ethiopia	ETH-039	25	26	387.1	445	-57.9	Exploranium 110					
Ethiopia	ETH-039	26	27	353.6	445	-91.4	Exploranium 110					
Ethiopia	ETH-039	27	28	372.0	445	-73.0	Exploranium 110					
Ethiopia	ETH-039	28	29	399.0	445	-46.0	Exploranium 110					
Ethiopia	ETH-039	29	30	369.3	445	-75.7	Exploranium 110					
Ethiopia	ETH-039	30	31	368.4	445	-76.6	Exploranium 110					
Ethiopia	ETH-039	31	32	368.3	445	-76.7	Exploranium 110					
Ethiopia	ETH-039	32	33	398.0	445	-47.0	Exploranium 110					
Ethiopia	ETH-039	33	34	358.9	445	-86.1	Exploranium 110					
Ethiopia	ETH-039	34	35	387.7	445	-57.3	Exploranium 110					
Ethiopia	ETH-039	35	36	379.2	445	-65.8	Exploranium 110	19.9	6.6	3.1	Exploranium GR-135G	
Ethiopia	ETH-040	0	1	554.7	545	9.7	Exploranium 110					
Ethiopia	ETH-040	1	2	532.0	545	-13.0	Exploranium 110					
Ethiopia	ETH-040	2	3	546.7	545	1.7	Exploranium 110					
Ethiopia	ETH-040	3	4	523.9	545	-21.1	Exploranium 110					
Ethiopia	ETH-040	4	5	491.9	545	-53.1	Exploranium 110					
Ethiopia	ETH-040	5	6	501.9	545	-43.1	Exploranium 110					
Ethiopia	ETH-040	6	7	488.3	545	-56.7	Exploranium 110					
Ethiopia	ETH-040	7	8	443.0	545	-102.0	Exploranium 110					
Ethiopia	ETH-040	8	9	447.2	545	-97.8	Exploranium 110					
Ethiopia	ETH-040	9	10	486.6	545	-58.4	Exploranium 110					
Ethiopia	ETH-040	10	11	498.4	545	-46.6	Exploranium 110					
Ethiopia	ETH-040	11	12	525.3	545	-19.7	Exploranium 110					
Ethiopia	ETH-040	12	13	508.7	545	-36.3	Exploranium 110					
Ethiopia	ETH-040	13	14	532.4	545	-12.6	Exploranium 110					
Ethiopia	ETH-040	14	15	513.8	545	-31.2	Exploranium 110					
Ethiopia	ETH-040	15	16	460.3	545	-84.7	Exploranium 110					
Ethiopia	ETH-040	16	17	497.1	545	-47.9	Exploranium 110					
Ethiopia	ETH-040	17	18	480.4	545	-64.6	Exploranium 110					

Appendix 4 - Radiation Results

Prospect	Hole ID	From	To	Total Count (TC)	Bground (BG)	Samp Counts (TC-BG)	TC instr	estimate U ppm	estimate Th ppm	estimate K %	ASS instr	Comments
Ethiopia	ETH-040	18	19	521.4	545	-23.6	Exploranium 110					
Ethiopia	ETH-040	19	20	555.5	545	10.5	Exploranium 110					
Ethiopia	ETH-040	20	21	543.0	545	-2.0	Exploranium 110					
Ethiopia	ETH-040	21	22	541.4	545	-3.6	Exploranium 110					
Ethiopia	ETH-040	22	23	515.2	545	-29.8	Exploranium 110					
Ethiopia	ETH-040	23	24	485.5	545	-59.5	Exploranium 110					
Ethiopia	ETH-040	24	25	1052.5	545	507.5	Exploranium 110	55.6	67.2	3.5	Exploranium GR-135G	
Ethiopia	ETH-040	25	26	905.5	545	360.5	Exploranium 110	51.6	50.6	4.5	Exploranium GR-135G	
Ethiopia	ETH-040	26	27	679.5	545	134.5	Exploranium 110	13.1	61.2	5.1	Exploranium GR-135G	
Ethiopia	ETH-040	27	28	838.5	545	293.5	Exploranium 110	34.6	58.0	4.6	Exploranium GR-135G	
Ethiopia	ETH-040	28	29	778.5	545	233.5	Exploranium 110					
Ethiopia	ETH-040	29	30	618.7	545	73.7	Exploranium 110					
Ethiopia	ETH-040	30	31	574.4	545	29.4	Exploranium 110					
Ethiopia	ETH-040	31	32	521.7	545	-23.3	Exploranium 110					
Ethiopia	ETH-040	32	33	592.7	545	47.7	Exploranium 110					
Ethiopia	ETH-040	33	34	625.0	545	80.0	Exploranium 110					
Ethiopia	ETH-040	34	35	678.9	545	133.9	Exploranium 110					
Ethiopia	ETH-040	35	36	638.7	545	93.7	Exploranium 110					
Ethiopia	ETH-040	36	37	719.7	545	174.7	Exploranium 110					
Ethiopia	ETH-040	37	38	749.2	545	204.2	Exploranium 110	14.7	50.9	6.4	Exploranium GR-135G	
Ethiopia	ETH-040	38	39	656.3	545	111.3	Exploranium 110					
Ethiopia	ETH-040	39	40	733.1	545	188.1	Exploranium 110					
Ethiopia	ETH-040	40	41	590.7	545	45.7	Exploranium 110					
Ethiopia	ETH-040	41	42	610.4	545	65.4	Exploranium 110					
Ethiopia	ETH-040	42	43	571.5	545	26.5	Exploranium 110	22.7	26.9	3.3	Exploranium GR-135G	
Ethiopia	ETH-041	0	1	619.4	645	-25.6	Exploranium 110					
Ethiopia	ETH-041	1	2	668.9	645	23.9	Exploranium 110					
Ethiopia	ETH-041	2	3	686.7	645	41.7	Exploranium 110	1.7	107.9	4.7	Exploranium GR-135G	
Ethiopia	ETH-041	3	4	622.4	645	-22.6	Exploranium 110					
Ethiopia	ETH-041	4	5	661.2	645	16.2	Exploranium 110					
Ethiopia	ETH-041	5	6	681.3	645	36.3	Exploranium 110					
Ethiopia	ETH-041	6	7	626.4	645	-18.6	Exploranium 110					
Ethiopia	ETH-041	7	8	668.9	645	23.9	Exploranium 110					
Ethiopia	ETH-041	8	9	666.8	645	21.8	Exploranium 110					
Ethiopia	ETH-041	9	10	682.7	645	37.7	Exploranium 110					
Ethiopia	ETH-041	10	11	618.9	645	-26.1	Exploranium 110					
Ethiopia	ETH-041	11	12	627.8	645	-17.2	Exploranium 110					
Ethiopia	ETH-041	12	13	630.6	645	-14.4	Exploranium 110					
Ethiopia	ETH-041	13	14	675.2	645	30.2	Exploranium 110					
Ethiopia	ETH-041	14	15	655.2	645	10.2	Exploranium 110					
Ethiopia	ETH-041	15	16	588.6	645	-56.4	Exploranium 110					
Ethiopia	ETH-041	16	17	673.8	645	28.8	Exploranium 110					
Ethiopia	ETH-041	17	18	671.9	645	26.9	Exploranium 110					
Ethiopia	ETH-041	18	19	646.6	645	1.6	Exploranium 110					
Ethiopia	ETH-041	19	20	634.8	645	-10.2	Exploranium 110					
Ethiopia	ETH-041	20	21	594.2	645	-50.8	Exploranium 110					
Ethiopia	ETH-041	21	22	548.2	645	-96.8	Exploranium 110					
Ethiopia	ETH-041	22	23	607.4	645	-37.6	Exploranium 110					
Ethiopia	ETH-041	23	24	579.1	645	-65.9	Exploranium 110					
Ethiopia	ETH-041	24	25	597.7	645	-47.3	Exploranium 110					
Ethiopia	ETH-041	25	26	602.6	645	-42.4	Exploranium 110					
Ethiopia	ETH-041	26	27	589.5	645	-55.5	Exploranium 110					
Ethiopia	ETH-041	27	28	547.9	645	-97.1	Exploranium 110					
Ethiopia	ETH-041	28	29	589.9	645	-55.1	Exploranium 110					
Ethiopia	ETH-041	29	30	543.2	645	-101.8	Exploranium 110					
Ethiopia	ETH-041	30	31	570.0	645	-75.0	Exploranium 110					
Ethiopia	ETH-041	31	32	615.4	645	-29.6	Exploranium 110					
Ethiopia	ETH-041	32	33	543.0	645	-102.0	Exploranium 110					
Ethiopia	ETH-041	33	34	555.9	645	-89.1	Exploranium 110					
Ethiopia	ETH-041	34	35	579.9	645	-65.1	Exploranium 110					
Ethiopia	ETH-041	35	36	569.9	645	-75.1	Exploranium 110					
Ethiopia	ETH-041	36	37	646.9	645	1.9	Exploranium 110	2.1	81.8	4.0	Exploranium GR-135G	

APPENDIX 5

Magnetic Susceptibility Readings

Appendix 5 - Magnetic Susceptibility

Prospect	Hole ID	From	To	Mag Sus	MS instr	Comments
Ethiopia	ETH-001	0	6	0.20	Exploranium KT9	
Ethiopia	ETH-001	6	12	0.23	Exploranium KT9	
Ethiopia	ETH-001	12	18	0.23	Exploranium KT9	
Ethiopia	ETH-001	18	24	0.51	Exploranium KT9	
Ethiopia	ETH-001	24	30	0.49	Exploranium KT9	
Ethiopia	ETH-001	30	36	0.69	Exploranium KT9	
Ethiopia	ETH-001	36	42	0.88	Exploranium KT9	
Ethiopia	ETH-001	42	46	0.87	Exploranium KT9	
Ethiopia	ETH-002	0	6	0.20	Exploranium KT9	
Ethiopia	ETH-002	6	12	0.27	Exploranium KT9	
Ethiopia	ETH-002	12	18	0.39	Exploranium KT9	
Ethiopia	ETH-002	18	24	0.48	Exploranium KT9	
Ethiopia	ETH-002	24	30	0.45	Exploranium KT9	
Ethiopia	ETH-002	30	36	0.67	Exploranium KT9	
Ethiopia	ETH-002	36	40	0.66	Exploranium KT9	
Ethiopia	ETH-003	0	6	0.12	Exploranium KT9	
Ethiopia	ETH-003	6	12	0.33	Exploranium KT9	
Ethiopia	ETH-003	12	18	0.50	Exploranium KT9	
Ethiopia	ETH-003	18	24	0.54	Exploranium KT9	
Ethiopia	ETH-003	24	30	0.72	Exploranium KT9	
Ethiopia	ETH-003	30	36	0.57	Exploranium KT9	
Ethiopia	ETH-003	36	40	0.95	Exploranium KT9	
Ethiopia	ETH-004	0	6	0.19	Exploranium KT9	
Ethiopia	ETH-004	6	12	0.44	Exploranium KT9	
Ethiopia	ETH-004	12	18	0.50	Exploranium KT9	
Ethiopia	ETH-004	18	24	0.41	Exploranium KT9	
Ethiopia	ETH-004	24	25	0.57	Exploranium KT9	
Ethiopia	ETH-005	0	6	0.17	Exploranium KT9	
Ethiopia	ETH-005	6	12	0.21	Exploranium KT9	
Ethiopia	ETH-005	12	18	0.29	Exploranium KT9	
Ethiopia	ETH-005	18	24	0.37	Exploranium KT9	
Ethiopia	ETH-005	24	30	0.40	Exploranium KT9	
Ethiopia	ETH-005	30	36	0.56	Exploranium KT9	
Ethiopia	ETH-005	36	40	0.50	Exploranium KT9	
Ethiopia	ETH-006	0	6	0.26	Exploranium KT9	
Ethiopia	ETH-006	6	12	0.15	Exploranium KT9	
Ethiopia	ETH-006	12	18	0.26	Exploranium KT9	
Ethiopia	ETH-006	18	24	0.29	Exploranium KT9	
Ethiopia	ETH-006	24	30	0.49	Exploranium KT9	
Ethiopia	ETH-006	30	36	0.48	Exploranium KT9	
Ethiopia	ETH-006	36	40	0.63	Exploranium KT9	
Ethiopia	ETH-007	0	6	0.13	Exploranium KT9	
Ethiopia	ETH-007	6	12	0.21	Exploranium KT9	
Ethiopia	ETH-007	12	18	0.29	Exploranium KT9	
Ethiopia	ETH-007	18	24	0.47	Exploranium KT9	
Ethiopia	ETH-007	24	30	0.58	Exploranium KT9	
Ethiopia	ETH-007	30	34	0.52	Exploranium KT9	
Ethiopia	ETH-008	0	6	0.23	Exploranium KT9	
Ethiopia	ETH-008	6	12	0.39	Exploranium KT9	
Ethiopia	ETH-008	12	18	0.46	Exploranium KT9	
Ethiopia	ETH-008	18	24	0.63	Exploranium KT9	
Ethiopia	ETH-008	24	30	0.79	Exploranium KT9	
Ethiopia	ETH-008	30	36	0.88	Exploranium KT9	
Ethiopia	ETH-009	0	6	0.19	Exploranium KT9	

Appendix 5 - Magnetic Susceptibility

Ethiopia	ETH-009	6	12	0.35	Exploranium KT9	
Ethiopia	ETH-009	12	18	0.32	Exploranium KT9	
Ethiopia	ETH-009	18	24	0.43	Exploranium KT9	
Ethiopia	ETH-009	24	30	0.43	Exploranium KT9	
Ethiopia	ETH-009	30	34	0.55	Exploranium KT9	
Ethiopia	ETH-010	0	6	0.19	Exploranium KT9	
Ethiopia	ETH-010	6	12	0.24	Exploranium KT9	
Ethiopia	ETH-010	12	18	0.25	Exploranium KT9	
Ethiopia	ETH-010	18	24	0.49	Exploranium KT9	
Ethiopia	ETH-010	24	29	0.52	Exploranium KT9	
Ethiopia	ETH-011	0	6	0.22	Exploranium KT9	
Ethiopia	ETH-011	6	12	0.24	Exploranium KT9	
Ethiopia	ETH-011	12	18	0.22	Exploranium KT9	
Ethiopia	ETH-011	18	24	0.41	Exploranium KT9	
Ethiopia	ETH-011	24	30	0.50	Exploranium KT9	
Ethiopia	ETH-011	30	31	0.57	Exploranium KT9	
Ethiopia	ETH-012	0	6	0.15	Exploranium KT9	
Ethiopia	ETH-012	6	12	0.20	Exploranium KT9	
Ethiopia	ETH-012	12	18	0.29	Exploranium KT9	
Ethiopia	ETH-012	18	24	0.39	Exploranium KT9	
Ethiopia	ETH-012	24	30	0.55	Exploranium KT9	
Ethiopia	ETH-012	30	31	0.47	Exploranium KT9	
Ethiopia	ETH-013	0	6	0.14	Exploranium KT9	
Ethiopia	ETH-013	6	12	0.26	Exploranium KT9	
Ethiopia	ETH-013	12	18	0.32	Exploranium KT9	
Ethiopia	ETH-013	18	24	0.42	Exploranium KT9	
Ethiopia	ETH-013	24	30	0.40	Exploranium KT9	
Ethiopia	ETH-013	30	36	0.47	Exploranium KT9	
Ethiopia	ETH-013	36	39	0.57	Exploranium KT9	
Ethiopia	ETH-014	0	6	0.17	Exploranium KT9	
Ethiopia	ETH-014	6	12	0.14	Exploranium KT9	
Ethiopia	ETH-014	12	18	0.28	Exploranium KT9	
Ethiopia	ETH-014	18	24	0.29	Exploranium KT9	
Ethiopia	ETH-014	24	30	0.39	Exploranium KT9	
Ethiopia	ETH-014	30	36	0.48	Exploranium KT9	
Ethiopia	ETH-014	36	37	0.48	Exploranium KT9	
Ethiopia	ETH-015	0	6	0.26	Exploranium KT9	
Ethiopia	ETH-015	6	12	0.20	Exploranium KT9	
Ethiopia	ETH-015	12	18	0.25	Exploranium KT9	
Ethiopia	ETH-015	18	24	0.28	Exploranium KT9	
Ethiopia	ETH-015	24	30	0.28	Exploranium KT9	
Ethiopia	ETH-015	30	34	0.50	Exploranium KT9	
Ethiopia	ETH-016	0	6	0.15	Exploranium KT9	
Ethiopia	ETH-016	6	12	0.07	Exploranium KT9	
Ethiopia	ETH-016	12	18	0.13	Exploranium KT9	
Ethiopia	ETH-016	18	24	0.10	Exploranium KT9	
Ethiopia	ETH-016	24	30	0.16	Exploranium KT9	
Ethiopia	ETH-016	30	36	0.26	Exploranium KT9	
Ethiopia	ETH-016	36	42	0.32	Exploranium KT9	
Ethiopia	ETH-016	42	48	0.47	Exploranium KT9	
Ethiopia	ETH-016	48	54	0.28	Exploranium KT9	
Ethiopia	ETH-016	54	60	0.43	Exploranium KT9	
Ethiopia	ETH-016	60	66	0.32	Exploranium KT9	
Ethiopia	ETH-016	66	70	0.43	Exploranium KT9	
Ethiopia	ETH-017	0	6	0.14	Exploranium KT9	

Appendix 5 - Magnetic Susceptibility

Ethiopia	ETH-017	6	12	0.33	Exploranium KT9	
Ethiopia	ETH-017	12	16	0.35	Exploranium KT9	
Ethiopia	ETH-018	0	6	0.16	Exploranium KT9	
Ethiopia	ETH-018	6	12	2.25	Exploranium KT9	
Ethiopia	ETH-018	12	16	2.84	Exploranium KT9	
Ethiopia	ETH-019	0	6	0.35	Exploranium KT9	
Ethiopia	ETH-019	6	12	0.26	Exploranium KT9	
Ethiopia	ETH-019	12	18	0.52	Exploranium KT9	
Ethiopia	ETH-019	18	24	0.68	Exploranium KT9	
Ethiopia	ETH-019	24	28	0.90	Exploranium KT9	
Ethiopia	ETH-020	0	6	0.11	Exploranium KT9	
Ethiopia	ETH-020	6	12	0.11	Exploranium KT9	
Ethiopia	ETH-020	12	18	0.20	Exploranium KT9	
Ethiopia	ETH-020	18	24	0.27	Exploranium KT9	
Ethiopia	ETH-020	24	28	0.42	Exploranium KT9	
Ethiopia	ETH-021	0	6	0.19	Exploranium KT9	
Ethiopia	ETH-021	6	12	2.64	Exploranium KT9	
Ethiopia	ETH-021	12	18	3.03	Exploranium KT9	
Ethiopia	ETH-021	18	24	2.84	Exploranium KT9	
Ethiopia	ETH-021	24	30	2.81	Exploranium KT9	
Ethiopia	ETH-021	30	31	4.04	Exploranium KT9	
Ethiopia	ETH-022	0	6	0.82	Exploranium KT9	
Ethiopia	ETH-022	6	12	0.40	Exploranium KT9	
Ethiopia	ETH-022	12	18	2.93	Exploranium KT9	
Ethiopia	ETH-022	18	19	2.42	Exploranium KT9	
Ethiopia	ETH-023	0	6	0.15	Exploranium KT9	
Ethiopia	ETH-023	6	12	2.79	Exploranium KT9	
Ethiopia	ETH-023	12	18	2.76	Exploranium KT9	
Ethiopia	ETH-023	18	24	2.42	Exploranium KT9	
Ethiopia	ETH-023	24	28	3.73	Exploranium KT9	
Ethiopia	ETH-024	0	6	0.14	Exploranium KT9	
Ethiopia	ETH-024	6	12	2.09	Exploranium KT9	
Ethiopia	ETH-024	12	18	2.15	Exploranium KT9	
Ethiopia	ETH-024	18	24	2.11	Exploranium KT9	
Ethiopia	ETH-024	24	30	2.74	Exploranium KT9	
Ethiopia	ETH-024	30	36	2.54	Exploranium KT9	
Ethiopia	ETH-024	36	37	2.69	Exploranium KT9	
Ethiopia	ETH-025	0	6	0.40	Exploranium KT9	
Ethiopia	ETH-025	6	12	1.89	Exploranium KT9	
Ethiopia	ETH-025	12	18	2.48	Exploranium KT9	
Ethiopia	ETH-025	18	24	2.54	Exploranium KT9	
Ethiopia	ETH-025	24	30	3.65	Exploranium KT9	
Ethiopia	ETH-025	30	36	2.88	Exploranium KT9	
Ethiopia	ETH-025	36	40	3.25	Exploranium KT9	
Ethiopia	ETH-026	0	6	3.13	Exploranium KT9	
Ethiopia	ETH-026	6	12	4.48	Exploranium KT9	
Ethiopia	ETH-026	12	18	4.99	Exploranium KT9	
Ethiopia	ETH-026	18	24	5.20	Exploranium KT9	
Ethiopia	ETH-026	24	30	4.15	Exploranium KT9	
Ethiopia	ETH-026	30	36	3.92	Exploranium KT9	
Ethiopia	ETH-026	36	42	3.77	Exploranium KT9	
Ethiopia	ETH-026	42	47	4.53	Exploranium KT9	
Ethiopia	ETH-027	0	6	0.52	Exploranium KT9	
Ethiopia	ETH-027	6	12	0.51	Exploranium KT9	
Ethiopia	ETH-027	12	18	0.80	Exploranium KT9	

Appendix 5 - Magnetic Susceptibility

Ethiopia	ETH-027	18	24	0.85	Exploranium KT9	
Ethiopia	ETH-027	24	30	1.00	Exploranium KT9	
Ethiopia	ETH-027	30	36	1.37	Exploranium KT9	
Ethiopia	ETH-027	36	40	2.17	Exploranium KT9	
Ethiopia	ETH-028	0	6	0.47	Exploranium KT9	
Ethiopia	ETH-028	6	12	0.64	Exploranium KT9	
Ethiopia	ETH-028	12	18	0.59	Exploranium KT9	
Ethiopia	ETH-028	18	24	0.64	Exploranium KT9	
Ethiopia	ETH-028	24	30	0.82	Exploranium KT9	
Ethiopia	ETH-028	30	36	1.01	Exploranium KT9	
Ethiopia	ETH-028	36	37	2.74	Exploranium KT9	
Ethiopia	ETH-029	0	6	1.82	Exploranium KT9	
Ethiopia	ETH-029	6	12	6.10	Exploranium KT9	
Ethiopia	ETH-029	12	18	4.38	Exploranium KT9	
Ethiopia	ETH-029	18	24	4.07	Exploranium KT9	
Ethiopia	ETH-029	24	30	4.16	Exploranium KT9	
Ethiopia	ETH-029	30	34	4.73	Exploranium KT9	
Ethiopia	ETH-030	0	6	6.75	Exploranium KT9	
Ethiopia	ETH-030	6	12	4.58	Exploranium KT9	
Ethiopia	ETH-030	12	18	2.05	Exploranium KT9	
Ethiopia	ETH-030	18	24	4.50	Exploranium KT9	
Ethiopia	ETH-030	24	30	5.09	Exploranium KT9	
Ethiopia	ETH-030	30	36	4.55	Exploranium KT9	
Ethiopia	ETH-030	36	40	4.80	Exploranium KT9	
Ethiopia	ETH-031	0	6	3.25	Exploranium KT9	
Ethiopia	ETH-031	6	12	3.61	Exploranium KT9	
Ethiopia	ETH-031	12	18	4.81	Exploranium KT9	
Ethiopia	ETH-031	18	24	3.70	Exploranium KT9	
Ethiopia	ETH-031	24	30	4.31	Exploranium KT9	
Ethiopia	ETH-031	30	36	3.22	Exploranium KT9	
Ethiopia	ETH-031	36	37	3.12	Exploranium KT9	
Ethiopia	ETH-032	0	6	0.37	Exploranium KT9	
Ethiopia	ETH-032	6	12	2.99	Exploranium KT9	
Ethiopia	ETH-032	12	18	3.23	Exploranium KT9	
Ethiopia	ETH-032	18	24	3.66	Exploranium KT9	
Ethiopia	ETH-032	24	30	5.39	Exploranium KT9	
Ethiopia	ETH-032	30	31	4.40	Exploranium KT9	
Ethiopia	ETH-033	0	6	0.24	Exploranium KT9	
Ethiopia	ETH-033	6	12	0.26	Exploranium KT9	
Ethiopia	ETH-033	12	18	0.22	Exploranium KT9	
Ethiopia	ETH-033	18	24	0.31	Exploranium KT9	
Ethiopia	ETH-033	24	30	0.40	Exploranium KT9	
Ethiopia	ETH-033	30	36	0.60	Exploranium KT9	
Ethiopia	ETH-033	36	40	0.81	Exploranium KT9	
Ethiopia	ETH-034	0	6	0.14	Exploranium KT9	
Ethiopia	ETH-034	6	12	0.10	Exploranium KT9	
Ethiopia	ETH-034	12	18	0.11	Exploranium KT9	
Ethiopia	ETH-034	18	24	0.12	Exploranium KT9	
Ethiopia	ETH-034	24	30	0.19	Exploranium KT9	
Ethiopia	ETH-034	30	36	0.22	Exploranium KT9	
Ethiopia	ETH-034	36	37	0.44	Exploranium KT9	
Ethiopia	ETH-035	0	6	1.07	Exploranium KT9	
Ethiopia	ETH-035	6	12	1.42	Exploranium KT9	
Ethiopia	ETH-035	12	18	0.71	Exploranium KT9	
Ethiopia	ETH-035	18	24	1.02	Exploranium KT9	

Appendix 5 - Magnetic Susceptibility

Ethiopia	ETH-035	24	30	1.09	Exploranium KT9	
Ethiopia	ETH-035	30	32	1.21	Exploranium KT9	
Ethiopia	ETH-036	0	6	0.23	Exploranium KT9	
Ethiopia	ETH-036	6	12	3.00	Exploranium KT9	
Ethiopia	ETH-036	12	18	2.39	Exploranium KT9	
Ethiopia	ETH-036	18	24	0.31	Exploranium KT9	
Ethiopia	ETH-036	24	30	0.59	Exploranium KT9	
Ethiopia	ETH-036	30	31	2.24	Exploranium KT9	
Ethiopia	ETH-037	0	6	0.61	Exploranium KT9	
Ethiopia	ETH-037	6	12	0.52	Exploranium KT9	
Ethiopia	ETH-037	12	18	0.61	Exploranium KT9	
Ethiopia	ETH-037	18	24	0.72	Exploranium KT9	
Ethiopia	ETH-037	24	30	0.87	Exploranium KT9	
Ethiopia	ETH-037	30	31	0.93	Exploranium KT9	
Ethiopia	ETH-038	0	6	0.15	Exploranium KT9	
Ethiopia	ETH-038	6	12	0.18	Exploranium KT9	
Ethiopia	ETH-038	12	18	0.23	Exploranium KT9	
Ethiopia	ETH-038	18	24	0.42	Exploranium KT9	
Ethiopia	ETH-038	24	28	0.41	Exploranium KT9	
Ethiopia	ETH-039	0	6	0.18	Exploranium KT9	
Ethiopia	ETH-039	6	12	0.20	Exploranium KT9	
Ethiopia	ETH-039	12	18	0.21	Exploranium KT9	
Ethiopia	ETH-039	18	24	0.23	Exploranium KT9	
Ethiopia	ETH-039	24	30	0.27	Exploranium KT9	
Ethiopia	ETH-039	30	36	0.46	Exploranium KT9	
Ethiopia	ETH-040	0	6	0.20	Exploranium KT9	
Ethiopia	ETH-040	6	12	0.20	Exploranium KT9	
Ethiopia	ETH-040	12	18	0.34	Exploranium KT9	
Ethiopia	ETH-040	18	24	0.41	Exploranium KT9	
Ethiopia	ETH-040	24	30	0.59	Exploranium KT9	
Ethiopia	ETH-040	30	36	0.86	Exploranium KT9	
Ethiopia	ETH-040	36	42	1.10	Exploranium KT9	
Ethiopia	ETH-040	42	43	0.64	Exploranium KT9	
Ethiopia	ETH-041	0	6	0.10	Exploranium KT9	
Ethiopia	ETH-041	6	12	0.14	Exploranium KT9	
Ethiopia	ETH-041	12	18	0.16	Exploranium KT9	
Ethiopia	ETH-041	18	24	0.35	Exploranium KT9	
Ethiopia	ETH-041	24	30	0.33	Exploranium KT9	
Ethiopia	ETH-041	30	36	0.49	Exploranium KT9	
Ethiopia	ETH-041	36	37	0.46	Exploranium KT9	

APPENDIX 6

P.A.C.E. Proposal Report, Sept 2006

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**Plan for Accelerating Exploration (PACE):
Drilling Collaboration between
PIRSA and Industry**

ROUND 4 - 2007

**Ttthe Ethiopia Uranium Target,
Yalanda Hill EL (EL 3473),
Eyre Peninsula, SA**



Adelaide Resources Limited

Report No: **AR2006/41**

Date: September 2006

**Plan for Accelerating Exploration (PACE):
Drilling Collaboration between PIRSA and Industry.**

Round 4 – 2007

The Ethiopia Uranium Target, Yalanda Hill EL (EL 3473), Eyre Peninsula

Executive Summary

The Ethiopia uranium exploration target proposed for testing with support of PACE funding is contained within EL 3473 ('Yalanda Hill'), and is located around 90 km south west of Whyalla, and 28 km south east of Kimba township. It was identified through reprocessing of data generated by earlier airborne geophysical surveying of this region. The main focus of this earlier survey was the airborne magnetic data, and little attention was paid to the airborne radiometric data that was collected at the same time.

The Ethiopia radiometric anomaly has an approximate areal extent of 2.5km x 1.2km and maps locally anomalous uranium (U) and thorium (Th) values in soil and decomposed bedrock float. The airborne radiometric data shows a broad coincidence of high uranium and thorium values, with a maximum eU value of 22 ppm, and a maximum eTh value of 60 ppm. Follow up surface sampling and direct assay returned U values up to 36 ppm and Th values up to 220 ppm.

The anomaly is located in an area of cleared cropping land with poor to negligible bedrock exposure, and deep weathering. The local geology of the target area as mapped on the 1:250 000 Whyalla Sheet (SI 53-8) shows that the anomaly is located between two enclaves of Warrow Quartzite of the basal Hutchison Group, within an area mapped as underlain by older Miltalie Gneiss.

The geological entity responsible for the surface radiometric anomaly is unknown, and is unable to be inferred with any certainty, due to the poor exposure and deep weathering characteristic of the area. Relevant observations include:

- (1) The anomaly shows a close spatial association at a local scale with the deformed and metamorphosed unconformity between the Miltalie Gneiss, as mapped, and the younger overlying Warrow Quartzite.
- (2) Kaolinised fragments of bedrock occurring in surface soils are inferred to come from felsic gneiss and schist, and are accompanied by scattered kaolinised fragments of coarse granitoid and pegmatite.

Adelaide Resources is seeking partial funding from PIRSA under the PACE initiative to support initial drill testing of the Ethiopia target. At this initial stage, RAB drilling is the preferred approach, on east – west traverse lines that roughly coincide with ground follow up traverse lines. The proposed RAB drilling has two main purposes:

- (1) To sample unweathered bedrock, or at least to obtain sample material from the base of weathering, to determine primary uranium and thorium abundance levels, and the identity of any mineral phases carrying elevated uranium and thorium.
- (2) To obtain sufficient information on the local geological environment to be able to infer a preferred model for the occurrence of the elevated uranium and thorium values.

The proposed RAB drilling program consists of 48 vertical holes on 5 traverse lines of varying length, for a total of 2400 metres. Estimated total direct cost (including mobilization) is in the range A\$46 000 to A\$50 000. Taking the mid point of this projected cost range (A\$48 000) as a 'best' estimate, under the PACE funding arrangements Adelaide Resources is requesting a PIRSA contribution of \$24 000 to enable the project to be implemented.

Three possible models of uranium (and thorium) occurrence can be envisaged in this environment:

- (1) The contact between the basement Miltalie Gneiss and overlying Warrow Quartzite provided a favourable structural environment for the capture of a coarse granitic or pegmatitic body enriched in uranium and thorium. Because of the age relationships, this model implies that the body has to be related to some later intrusive event, ie post-Hutchison Group.
- (2) The contact between the basement Miltalie Gneiss and overlying Warrow Quartzite provided a favourable chemical environment for the capture of a coarse granitic or pegmatitic body. This again implies a later overprinting intrusive event, post-Hutchison Group. It is also notable that at Ethiopia the character and exact position of the contact between the Warrow and basement gneiss is uncertain due to poor bedrock exposure.
- (3) A coarse granitic or pegmatitic body enriched in uranium and thorium, and representing a late phase of the Miltalie Gneiss intrusive event, was coincidentally preserved at Ethiopia at the unconformity surface between the Warrow and underlying basement gneiss, and the relationship was preserved through subsequent deformational and metamorphic episodes.

A striking aspect of EL 3473 ('Yalanda Hill'), of some 758 sq km, is that no drillholes ascribed to previous exploration activity are recorded within this EL in the SARIG drill hole database. This absence of sub-surface information from previous work over such a large tract of the Gawler Craton is highlighted as an additional argument in support of this submission for PACE funding.

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1.0 Introduction

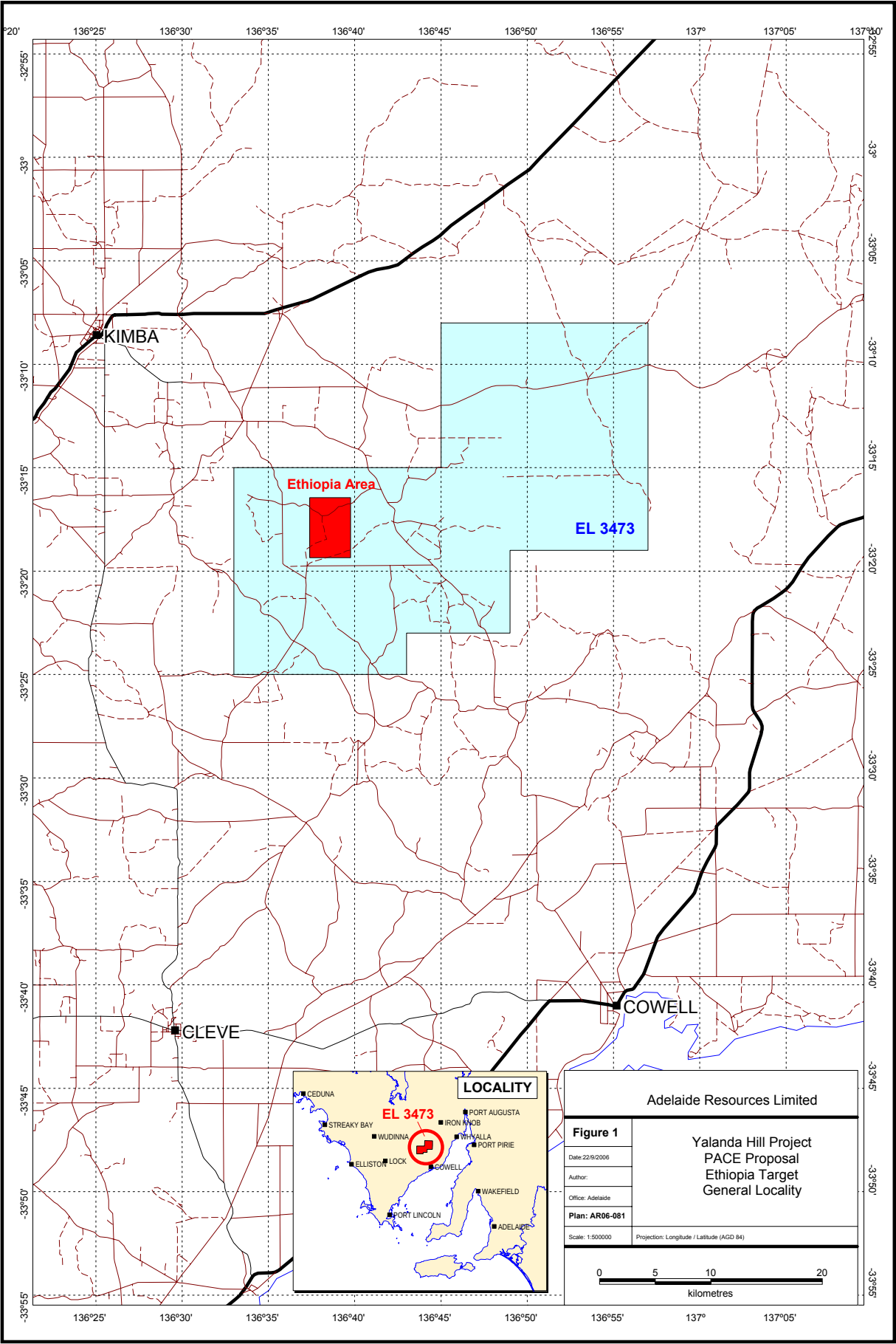
1.1 Location

Adelaide Resources Ltd has been actively exploring the northern Eyre Peninsula region for gold and base metals since listing in 1996, and has achieved major success with the discovery of two new occurrences of gold mineralization (the Barns and Baggy Green Prospects) near Wudinna. The company has extended its range of exploration target commodities to include uranium, and has been actively pursuing prospective ground in the Eyre Peninsula region, both within the Tertiary Palaeochannel systems and in the underlying Proterozoic basement.

The uranium exploration target proposed for testing with support of PACE funding is contained within EL 3473 ('Yalanda Hill'), and is located around 90 km south west of Whyalla, and 28 km south east of Kimba township. It has been given the name Ethiopia after the closest named locality shown on the Barna 1:100 000 topographic map sheet, and is located at grid coordinates 653 000 mE, 631 4000 mN. The locations of both EL 3473 and the Ethiopia target are also shown in Figure 1.

The Ethiopia uranium target was identified through reprocessing of data generated by previous airborne geophysical surveying of this region. The main focus of this earlier survey was the airborne magnetic data, and little attention was paid to the airborne radiometric data that was collected at the same time. This radiometric data collected over EL 3473 was retrieved by Adelaide Resources Ltd and reprocessed to identify several radiometric anomalies in the Proterozoic basement for further investigation. Follow up work to date by Adelaide Resources consists of ground-based spectrometer traversing of the Ethiopia anomaly, and limited sampling of surface material for direct uranium and thorium assay. The anomaly is located in an area of deeply weathered and poorly exposed Proterozoic basement, and the anomalous uranium and thorium values returned from these samples are considered to justify further follow up.

This submission seeking PACE funding support will enable the initial drill testing of the Ethiopia radiometric anomaly, and will provide valuable geological information on the character of the Proterozoic basement in a portion of the Gawler Craton where there has been no previous exploration drilling and there is minimal bedrock information.



Adelaide Resources has conducted significant exploration drilling programs in recent years in the Eyre Peninsula region, and has gained substantial experience and expertise in addressing the environmental and landowner management issues arising from working in the region. This is considered to be of substantial value for the efficient execution of the drilling program proposed for PACE support in the Yalanda Hill EL.

1.2 Mining Titles

Exploration Licence 3473 ('Yalanda Hill') of 758 sq km was granted to Adelaide Exploration Limited on 5 December 2005 for an initial term of 1 year. The Licence carries an expenditure commitment of \$105 000 for this initial period of the Licence.

Application for the area was submitted in May 2005, and was retained by Adelaide Resources Ltd as Exploration Licence Application (ELA) 250/05 until final granting. Uranium was nominated as the target in the initial application.

1.3 Landowners and Environment

Exploration Licence 3473 consists mostly of freehold land title used for seasonal wheat cropping, and the Ethiopia target is located on land under freehold title. Previous exploration in this region by Adelaide Resources has proceeded without significant disruption of agricultural activities, resulting in development of a good working relationship with the local farming community. No significant impediments to conducting further exploration over the Ethiopia target are anticipated.

According to advice from Department of Water, Land and Biodiversity Conservation (DWLBC), groundwater conditions in the Licence area are not well known, and it has requested that, where drilling methods permit, water samples are to be taken and sent to DWLBC together with information on depth cut, standing water level and supply.

According to advice from Department for Environment and Heritage the Licence area includes places entered on the State Heritage Register, and prior to commencement of activities involving drilling and/or use of declared equipment, the exact locations are to be provided, through PIRSA, to the Heritage Branch.

Licence conditions provide that prior to entering the Heggarton and/or Sheoak Hill Conservation Reserves for the purpose of conducting exploration activities, a Declaration of Environmental Factors is to be submitted. The Ethiopia target is located outside these Reserves, and this condition will not apply. Land title status, and location of Conservation Reserves and Parks within and adjacent to EL 3473 are shown in Figure 2.

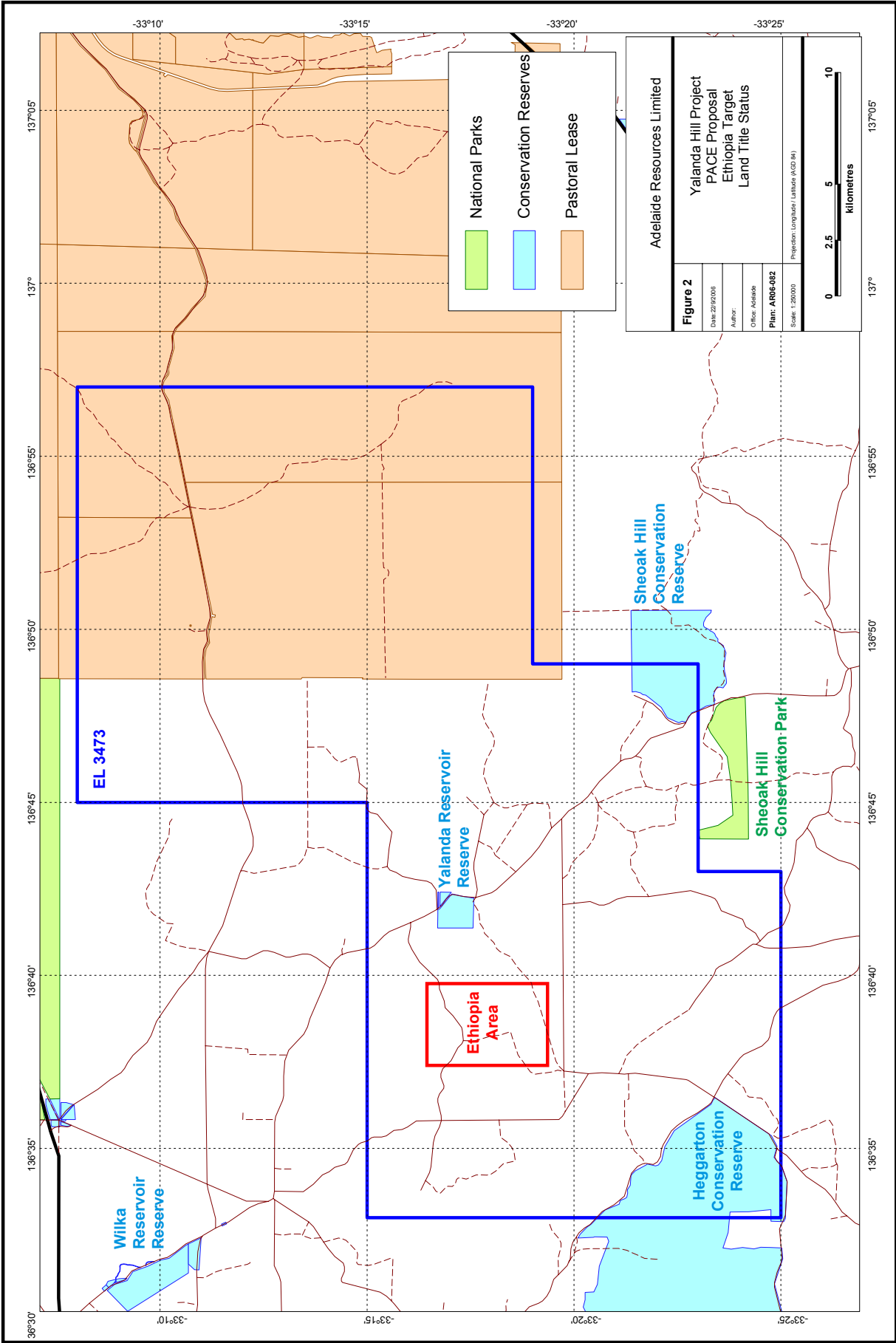
1.4 Native Title and Interests of Traditional Owners.

As the Ethiopia radiometric anomaly is located on land held as freehold title over which Native Title has been extinguished, this issue will present no impediment to conducting further exploration. The region generally is contained within the Barngala Native Title Claim, and this Claim may apply to those portions of Nature Conservation Reserves and Parks within EL 3473, (see Figure 2). According to advice from the South Australian Department for Aboriginal Affairs and Reconciliation, there are no entries on the Register of Aboriginal Sites and Objects for the area of proposed exploration activity.

2.0 Geology

2.1 Regional Geology

The north/central Eyre Peninsula region is located within the Gawler Craton, and is underlain by complex basement geology consisting of deformed and metamorphosed sediments and volcanics, various ortho and paragneisses, plus diverse mafic to granitic intrusives, ranging in age from Archaean to Mid Proterozoic. Complex faulting and fracturing is also typical, and the complex older basement geology is overlain to the north by relatively undeformed Gawler Range Volcanics dated as Mid Proterozoic. The basement terrain has been divided into several domains containing similar lithological and structural associations, with boundaries commonly marked by major crustal shear zones, or major lithostratigraphic breaks.



Over much of the northern and central Eyre Peninsula basement lithologies are typically deeply weathered, with very limited bedrock exposure. The Proterozoic basement is also generally obscured by a blanket of Holocene alluvial and aeolian cover, locally overlying Tertiary sediments contained in a palaeodrainage system mainly active during the Miocene and Pliocene, and continuing through to the Holocene.

Adelaide Resources' EL 3473 is located wholly within the Cleve Domain, bounded to the west by the Coultas Domain and to the east by the Spencer Domain. The north eastern portion of the EL is underlain by gneissic terrain assigned to the Lincoln Complex and Minbrie Gneiss, containing infolded inliers of Hutchison Group metasediments. In this area the Minbrie Gneiss is interpreted as equivalent to the Donington Suite, occurring mainly to the east of the Kalinjala Shear Zone in the Spencer Domain. The Ethiopia target is located in the south western portion of the EL in terrain dominated by folded and metamorphosed Hutchison Group and underlying older basement gneiss.

The Hutchison Group of the Cleve Domain is essentially defined by a strongly deformed and highly metamorphosed Palaeoproterozoic fold belt overlying Archaean gneisses of the Sleaford Complex, and earlier Palaeoproterozoic Miltalie Gneiss. Radiometric dates from the Archaean basement para- and orthogneisses reflect a major metamorphic event at around 2440 Ma, (the Sleafordian Orogeny). This was followed by granitoid intrusives of the Miltalie Event dated at around 2000 Ma, and both suites (Sleaford Complex and Miltalie Gneiss) are the basement for unconformably overlying Hutchison Group basinal sediments. Hutchison Group basin evolution is inferred to occupy the interval 2000 – 1850 Ma, terminated by the Neill Event at around 1850 Ma, followed by the Kimban Orogeny dated at 1730 – 1700 Ma. The syntectonic intermediate to felsic Moody Suite granitoids were then emplaced into Hutchison Group metasediments at around 1700 Ma. The position of EL 3473 in this regional geological framework is depicted in Figure 3.

The two geological entities most relevant to the Ethiopia target are:

- the Miltalie Gneiss
- Hutchison Group metasediments

(1) Miltalie Gneiss

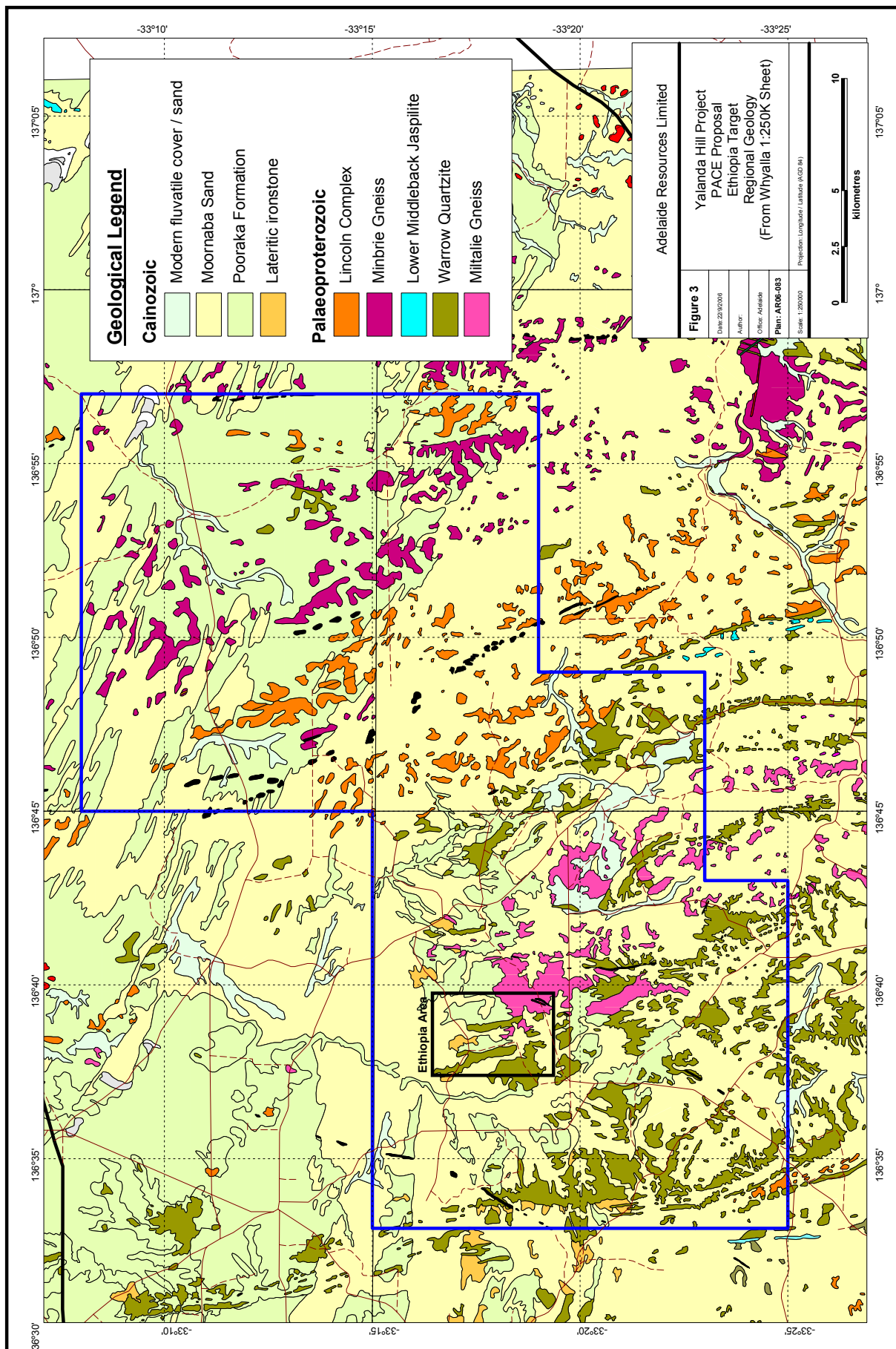
According to Budd *et al*, (2001), the Miltalie Gneiss is a granitoid intrusive into the Sleaford Complex, with a U – Pb zircon age of 2014 ± 28 Ma, and is described as a small peraluminous, reduced, and restite-dominated gneissic unit. Its overall dimensions are approximately 40 x 5 km, and elongated north-south. The gneiss is described as medium to coarse grained, well foliated, and consisting of quartz, perthitic microcline, plagioclase, biotite, and minor apatite, zircon, garnet, opaque minerals, sillimanite and hornblende. Pink, coarse-grained pegmatitic segregations and structurally concordant amphibolite sills or deformed dykes up to several metres thick occur throughout, with an estimated up to 20% consisting of coarse pegmatitic segregations.

The gneiss has been highly deformed, and amphibolite facies conditions are indicated by the association of garnet and sillimanite. It has an overall S-type geochemical character, and is relatively unfractionated. Data for several important trace elements were not provided, as they had not been determined. These included U, Th, Cu, Pb, Zn, Ce, Ga, and F.

(2) Hutchison Group

The strongly deformed and metamorphosed Hutchison Group is interpreted as an extensive basinal sequence of shallow clastic and chemical marine sediments, with minor felsic and mafic volcanics. Three main subdivisions are recognized:

- a basal quartzite sequence (Warrow Quartzite)
- a mixed chemical and clastic sequence (Middleback Subgroup)
- an upper pelitic unit (Yadnarie Schist)



As described by Parker (1993), the Warrow Quartzite unconformably overlies Sleaford Complex and Miltalie gneiss, and where better exposed consists of massive to flaggy quartzites, with coarser gritty and pebbly conglomerates preserved in places. Its variable thickness probably reflects structural thickening and thinning during extreme folding, and it contains interbedded pelitic schists. Well banded, contorted calcsilicate gneiss, marble, banded very coarse grained diopside-bearing quartzite and podded sillimanite ($\pm$ andalusite) gneiss are occasionally preserved at the base (eg near The Plug Range), but more commonly the basal quartzites are described as being 'assimilated' into underlying deformed gneissic intrusives.

In an important observation, Parker (1993) notes that in a broad arcuate belt between Cleve and the southern end of Lake Gilles, the basal unconformity is rarely exposed, suggesting that the nature of the basal Warrow is poorly known through this area, and its location can only be approximately inferred. It is also noted that where exposed in this belt, the basal Warrow is coarse grained and feldspathic, with numerous pegmatite and intrusive granitic veins and pods.

EL 3473 ('Yalanda Hill') is approximately centrally located within this arcuate belt, and the targeted Ethiopia anomaly is located adjacent to the inferred contact between Miltalie Gneiss and overlying inferred basal Warrow Quartzite lithologies.

As described by Parker (1993), the overlying Middleback Subgroup consists of mixed semi-pelitic and chemical metasediments with concordant amphibolites believed to represent mafic volcanics. The basal Middleback unit is the Katunga Dolomite, a massive to poorly layered, white to pale grey dolomitic marble, containing bands of serpentine (after forsterite) as well as calcite $\pm$ diopside $\pm$ tremolite bearing assemblages. The remainder of the Middleback Subgroup consists of two major units of banded iron formation (the Upper and Lower Middleback Jaspilites) separated by semi-pelitic schists containing several concordant amphibolite bands. The upper pelitic unit of the Hutchison Group (the Yadnarie Schist) commences above the Upper Middleback Jaspilite, and consists of a medium to fine grained, pelitic to semi-pelitic schists, with minor basal calc silicates and volcanics recorded in places.

2.2 Local Geology, Ethiopia Target.

The Ethiopia target is located in an area of cleared cropping land characterized by poor to negligible bedrock exposure, and deep weathering. Kaolinised fragments of bedrock occurring in surface soils are inferred to come from felsic gneiss and schist, and are accompanied by scattered kaolinised fragments of coarse pegmatite.

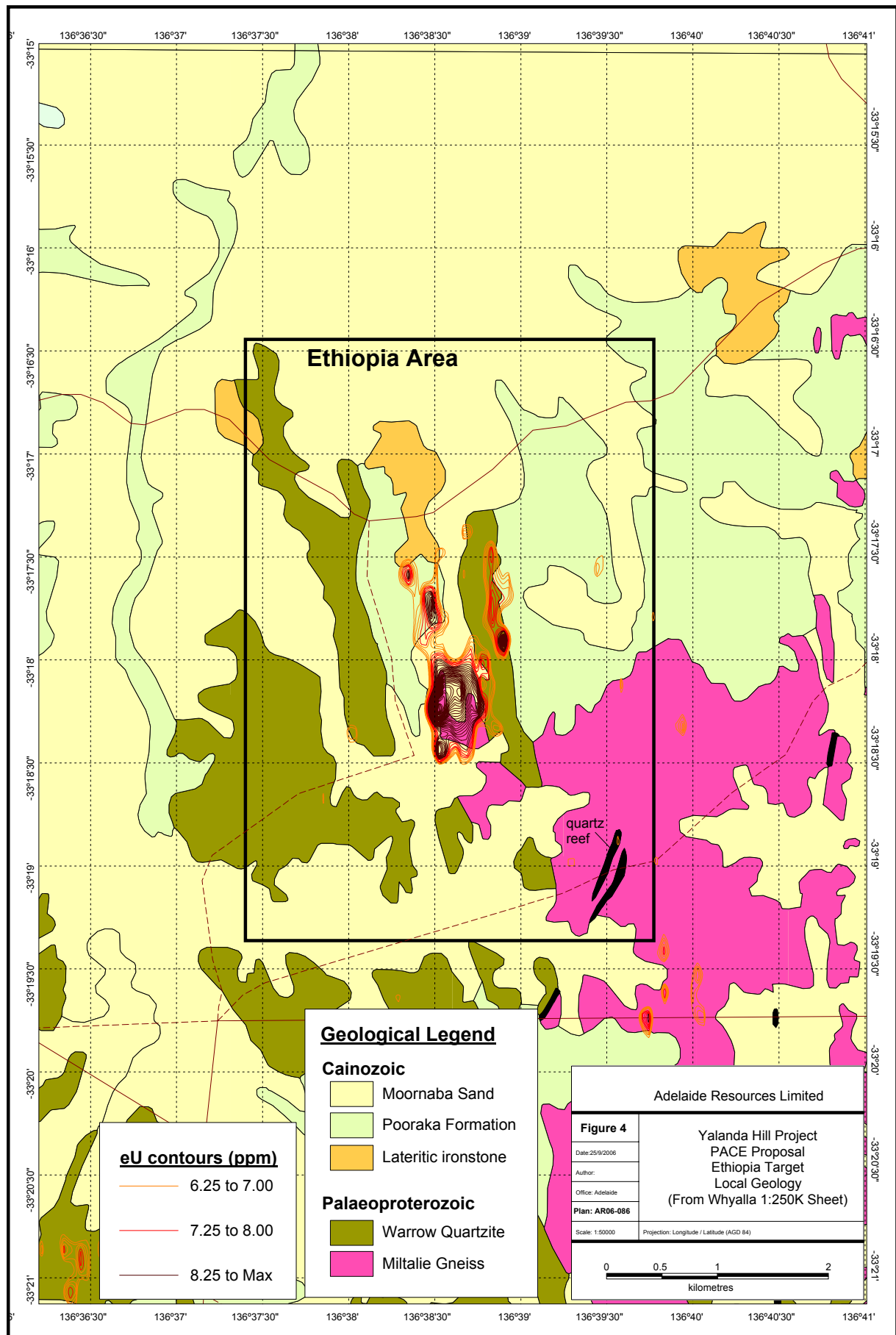
The local geology as mapped on the 1:250 000 Whyalla Sheet shows that the target area is characterized by enclaves of Warrow Quartzite adjacent to inliers of Miltalie Gneiss. Due to the poor bedrock exposure in this area, the structural relationships are unclear, but it is reasonable to infer that this juxtaposition is due to the presence of the unconformity separating the Miltalie Gneiss and Warrow Quartzite lithologies, and that the Ethiopia target is contained within the Miltalie Gneiss at or just below the unconformity surface. Subsequent multiple deformations, and metamorphic overprint, are expected to have resulted in complex local structural relationships, but the unconformity surface remains as a possible favourable structural site or trap for late magmatic or hydrothermal fluids. Occurrence of kaolinised, but apparently little deformed, granite pegmatite fragments in the soil in the vicinity of the target offers some supporting evidence for this model.

The previously mapped local geology in the vicinity of the Ethiopia target, as extracted from the Whyalla 1:250 000 map sheet is shown in Figure 4.

3.0 Exploration

3.1 Prior Exploration Activity

Uranium exploration in the central/north Eyre Peninsula region has a long history. In the late 60s Kerr McGee Australia Ltd conducted airborne radiometric surveys over large areas targeting stratabound uranium deposits of 'Rum Jungle (Northern Territory)' type, (PIRSA Open File Envelope 01108), without success. Other companies that conducted uranium exploration in the



region include Afmeco (PIRSA Open File Envelope 03993), CRA Exploration, (PIRSA Open File Envelope 03335), Uranerz, (PIRSA Open File Envelope 03338), and Pancontinental (PIRSA Open File Envelopes 03551 and 03575). The dominant governing model was uranium occurring in deposits of East Alligator River style.

The general conclusion from this previous work was that the majority of observed radiometric anomalies were caused by localized higher thorium values in the basement gneisses, and the uranium prospectivity using this model was consequently downgraded.

From 1991 to 1996 Pasminco Australia Ltd conducted a major exploration campaign in the region, directed at base metals associated with the Hutchison Group, (PIRSA Open File Envelope 08478). This entailed airborne magnetic and radiometric surveys, follow up ground magnetic surveys, and drill testing of priority targets, (338 RC holes totaling 14 663m, 1 DD hole of 279m). Most magnetic targets tested were found to be magnetite bearing amphibolite or granitoid with low base metal values. The best results came from the Galah Prospect, located some 16 km east of Kimba, carrying anomalous Zn, Cu and Pb in calc silicates at the base of Warrow Quartzite.

EL 3473 ('Yalanda Hill'), now held by Adelaide Resources is contained wholly within the tenement area secured by EL 1726, held and explored by Pasminco from 1991 to 1996. Airborne geophysical surveys in September 1991 by Austrex International Ltd for Pasminco collected concurrent magnetic and radiometric data, but it appears that little attention was paid to the radiometric data, and it was routinely placed in PIRSA's data repository on completion of the campaign. In early 2006 Adelaide Resources retrieved this radiometric data pertaining to EL 3473 ('Yalanda Hill') from the data repository, and used it to identify several radiometric anomalies for ground follow up evaluation. One of these anomalies was denoted the Ethiopia Target, and positive results from initial ground follow up has confirmed that further testing is justified to identify the source of the anomalous U and Th values.

A striking aspect of EL 3473 ('Yalanda Hill'), of some 758 sq km, is that no drillholes ascribed to previous explorers are recorded in the SARIG drill hole database. This absence of sub-surface information from earlier drilling over such a large tract of poorly exposed Hutchison Group and its basement is also highlighted as additional support for this submission for PACE funding. The location of previous drilling in the vicinity of EL 3473, as recorded in the SARIG database is shown in Figure 5.

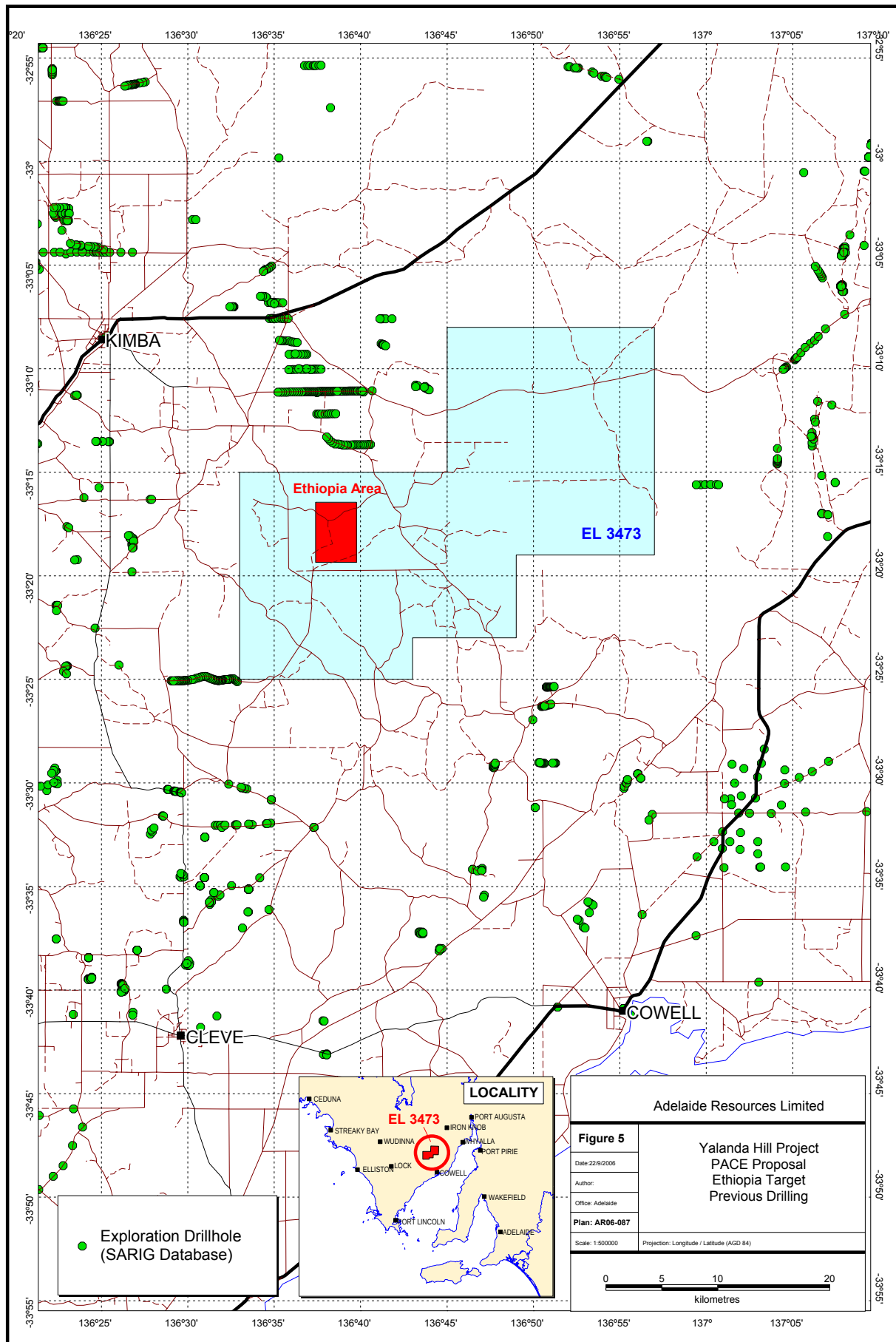
3.2 Geophysical Surveys

Airborne Magnetic Surveys

Available airborne magnetic coverage of the Ethiopia Target area shows that the Miltalie Gneiss inliers and overlying Warrow Quartzite have minimal magnetic expression, and regional magnetic images have been of little assistance in resolving the geological relationships.

Regional Gravity Surveys

The Barna 1:100 000 sheet is included in the Central Gawler Gold GIS data set released by PIRSA in May 2006. This includes processed gravity data to which has been applied so-called 'worming' or edge detection algorithms. This 'worming' has mapped a prominent linear gravity boundary trending north east – south west that roughly coincides with the southern edge or limit of the Ethiopia radiometric anomaly. The significance of this gravity feature is obscure at this stage, but it may be inferred that it is mapping some kind of major discontinuity in the sub-surface. Results from planned drilling of the Ethiopia target may be useful in further resolving the nature and significance of this gravity feature, and whether it is in any way related to the source of the Ethiopia radiometric anomaly.



Airborne Radiometric Surveys

As stated above, the 1991 airborne radiometric survey flown for Pasminco has been re-assessed, and used for target definition within EL 3473. The survey parameters, as documented, were:

Aircraft: Rockwell Shrike AC500S

Magnetometer: Scintrex V2321 Alkali Vapour
Resolution: 0.001 nanoTesla
Cycle Rate: 0.1 seconds
Sample Interval: 7 metres

Spectrometer: 256 Channel Exploranium GR8000
Volume: 33.56 litres
Cycle Rate: 1 second
Sample Interval: 70 metres

Flight Line Spacing: Traverse Lines: 200 metres
Tie Lines: 2000 metres

Flight Line Direction: Traverse Lines: 000 - 180°
Tie Lines: 090 - 270°

Average Terrain Clearance: 67 metres.

The original data was retrieved by Adelaide Resources and reprocessed by Tensor Geophysical Services using calibration data provided in the operator's original survey report. This enabled the plotting of new sets of contoured uranium (U) and thorium (Th) channel data, using contoured values of eU ppm and eTh ppm. The contoured eU data for all of EL 3473, in which the location of the Ethiopia anomaly is highlighted is shown in Figure 6.

Detailed eU and eTh contours of the Ethiopia anomaly are depicted in Figures 7 and 8. They show there is a broad coincidence of high uranium and thorium values, with a maximum eU value of 22 ppm, and a maximum eTh value of 60 ppm.

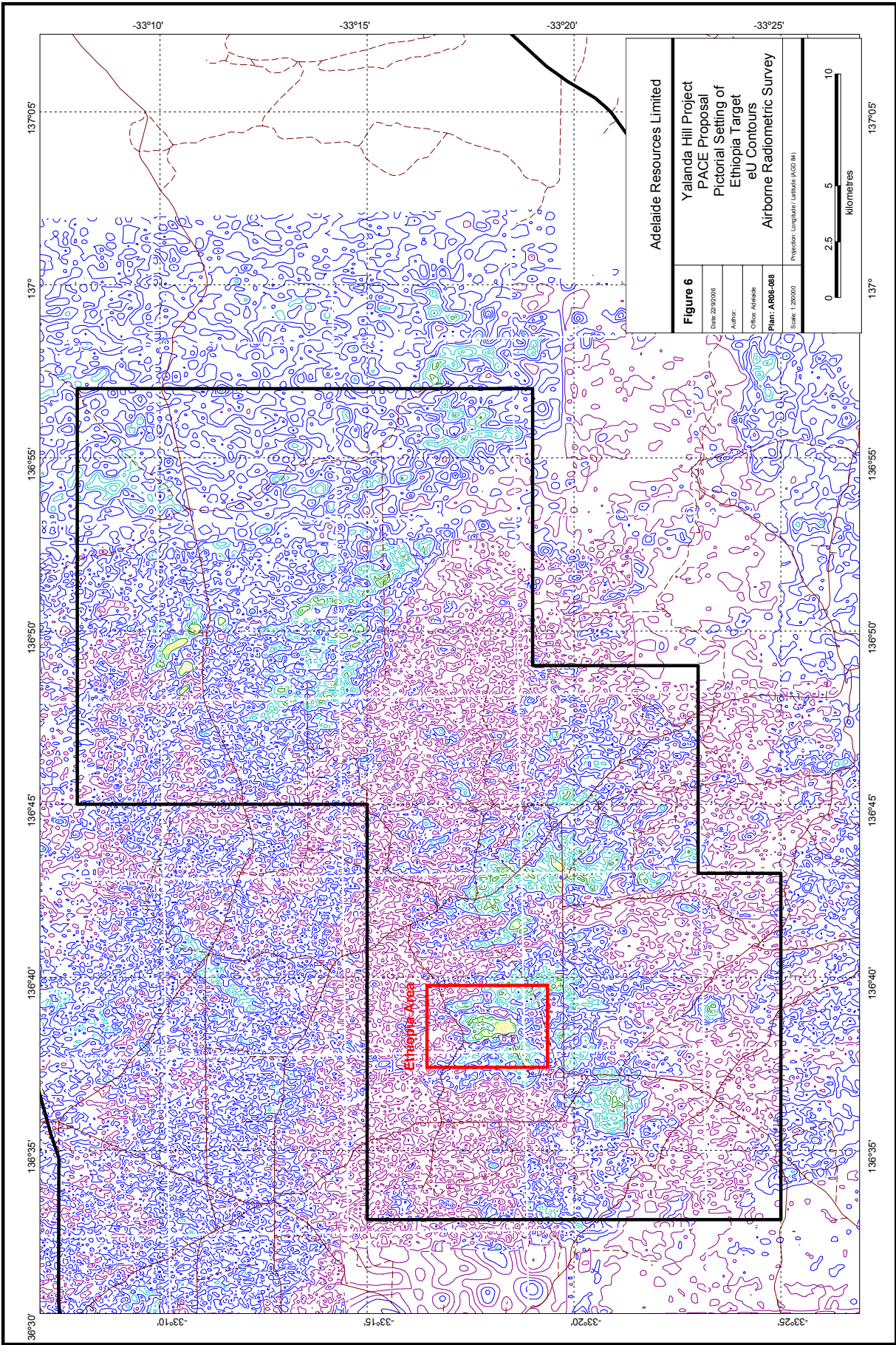
In Figures 9 and 10 eU values above a threshold of 4.25 ppm eU have been contoured to show the relationship of the Ethiopia anomaly and target in relation to topography (Figure 9), and the disposition of cleared cropping land and vegetation, (Figure 10).

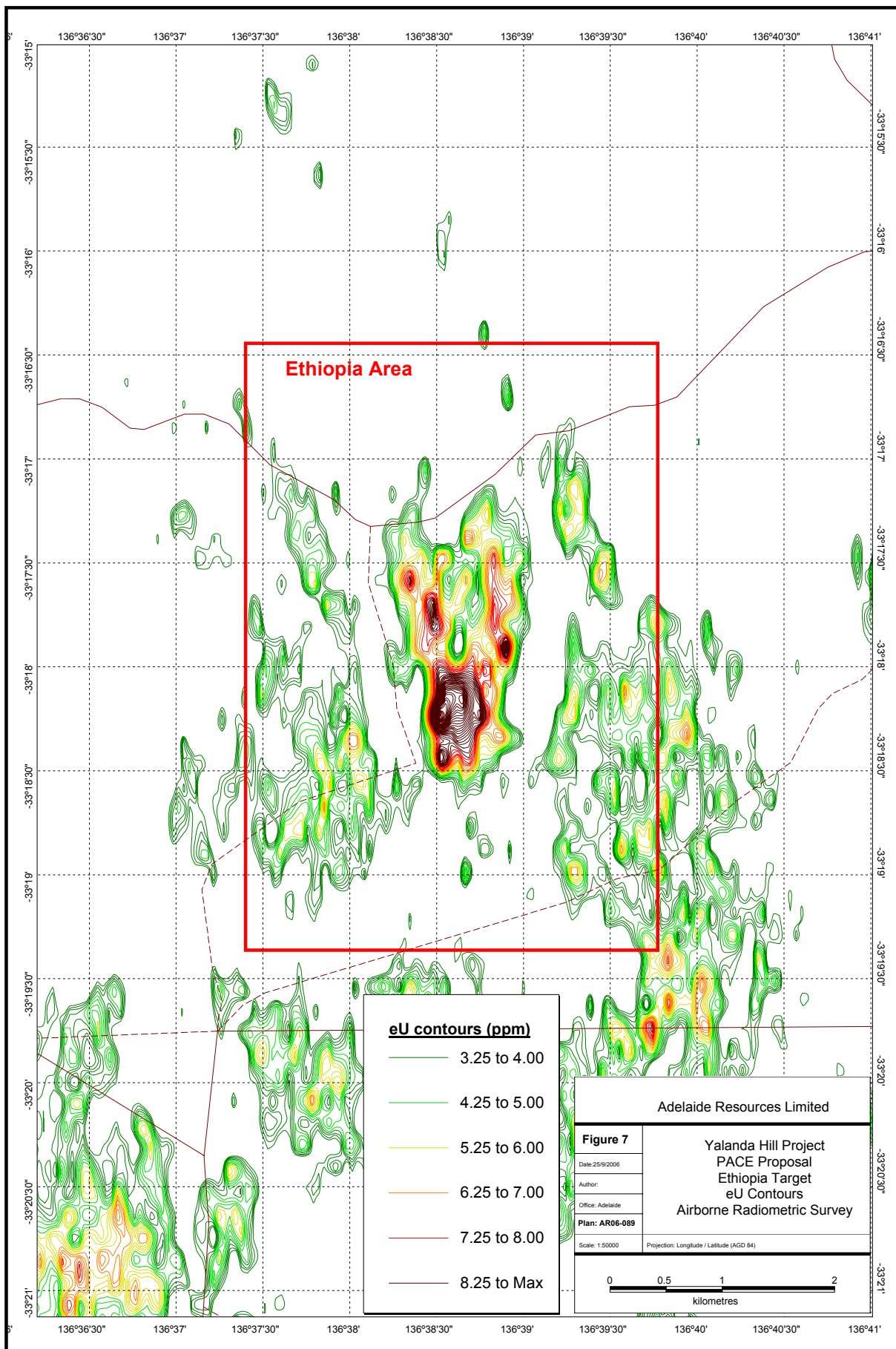
Ground Geophysical and Geochemical Follow Up

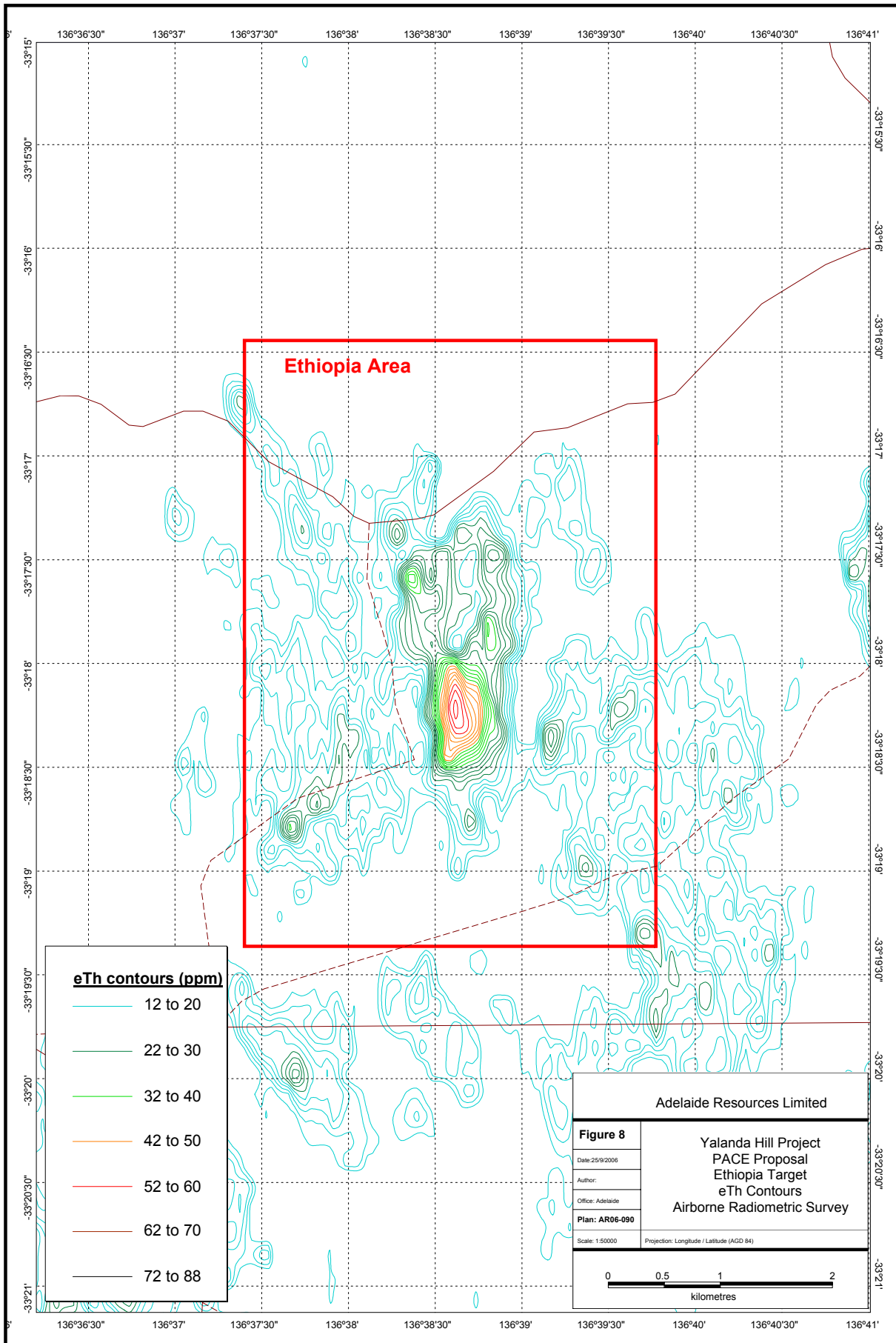
Ground geophysical follow up consisted of several traverses across the Ethiopia anomaly to collect surface radiometric data. Instrumentation consisted of a scintillometer (Exploranium GR 110) and spectrometer (Exploranium GR256) used in parallel. This was followed by sampling of surface material from selected traverse points for submission for direct uranium assay by XRF. The detailed survey results are provided as an Excel spreadsheet on the accompanying CD ROM, (Table 1).

The radiometric ground survey generally confirmed the magnitude and position of the airborne survey radiometric anomaly. The Ethiopia anomaly is located in an area with extensive soil and sand cover, along with common patches of surface float, but with minimal in situ bedrock exposure. Bedrock fragments on surface, and the few occurrences of sub outcropping gneiss that were observed, were totally kaolinised suggesting development of a deep weathering profile in the area. The maximum eU and eTh values, and assay values, obtained from surface follow up were as follows:

	Uranium (ppm)	Thorium (ppm)
Spectrometer e values	32	148
Assay results (XRF)	36	220







The location of the Scintillometer and Spectrometer ground traverses over the Ethiopia anomaly, and the location of the surface samples analysed by XRF are shown in Figure 11.

The geological entity responsible for the surface radiometric anomaly is unknown, and is unable to be inferred with any certainty, due to the poor exposure and deep weathering characteristic of the area. It was also apparent that surface rock float had been substantially disturbed and redistributed by agricultural activities and implements. Two key observations are considered to be:

- (1) Weathered fragments of pegmatitic granitoid material on surface were noted at several locations on the ground geophysical traverses, (see Table 1).
- (2) The anomaly shows a clear spatial association with the contact between the Miltalie Gneiss, as mapped, and the lower contact of the Warrow Quartzite. This contact has been mapped and interpreted regionally as the Hutchison Group basal unconformity, substantially modified and possibly also disrupted by subsequent deformations and metamorphic events.

It is necessarily speculative to discuss plausible models of uranium occurrence in this environment, but at least three possibilities can be envisaged:

- (1) The contact between the basement Miltalie Gneiss and overlying Warrow Quartzite provided a favourable structural environment for the capture of a coarse granitic or pegmatitic body enriched in uranium and thorium. Because of the age relationships, this model implies that the body has to be related to some later intrusive event, ie post-Hutchison Group.
- (2) The contact between the basement Miltalie Gneiss and overlying Warrow Quartzite provided a favourable chemical environment for the capture of a coarse granitic or pegmatitic body. This again implies a later overprinting intrusive event, post-Hutchison Group. It is also notable that at Ethiopia the character and exact position of the contact between the Warrow and basement gneiss is uncertain due to poor bedrock exposure.
- (3) A coarse granitic or pegmatitic body enriched in uranium and thorium, and representing a late phase of the Miltalie Gneiss intrusive event, was coincidentally preserved at Ethiopia at the unconformity surface between the Warrow and underlying basement gneiss, and the relationship was preserved through subsequent deformational and metamorphic episodes.

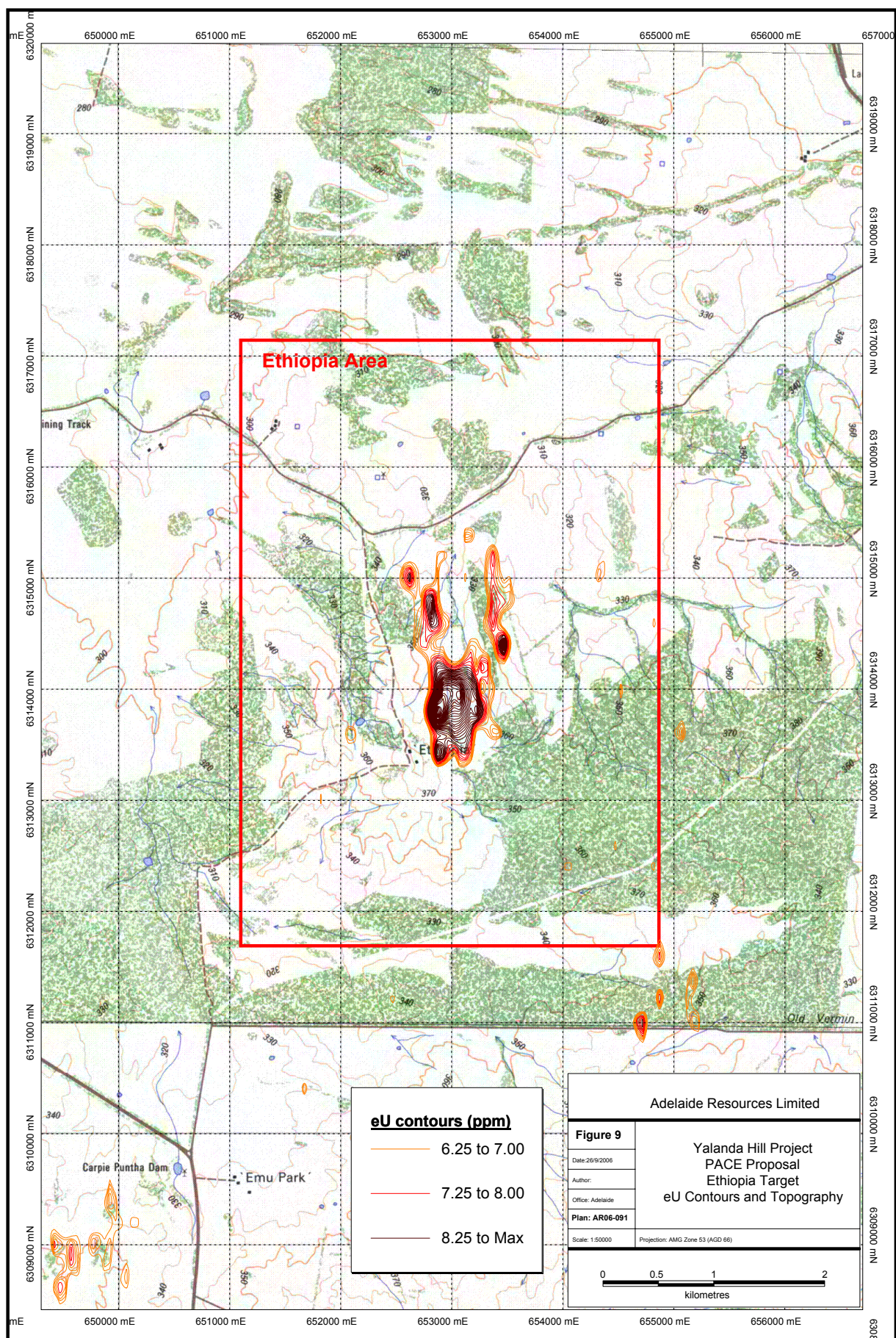
4.0 Target Definition and Testing

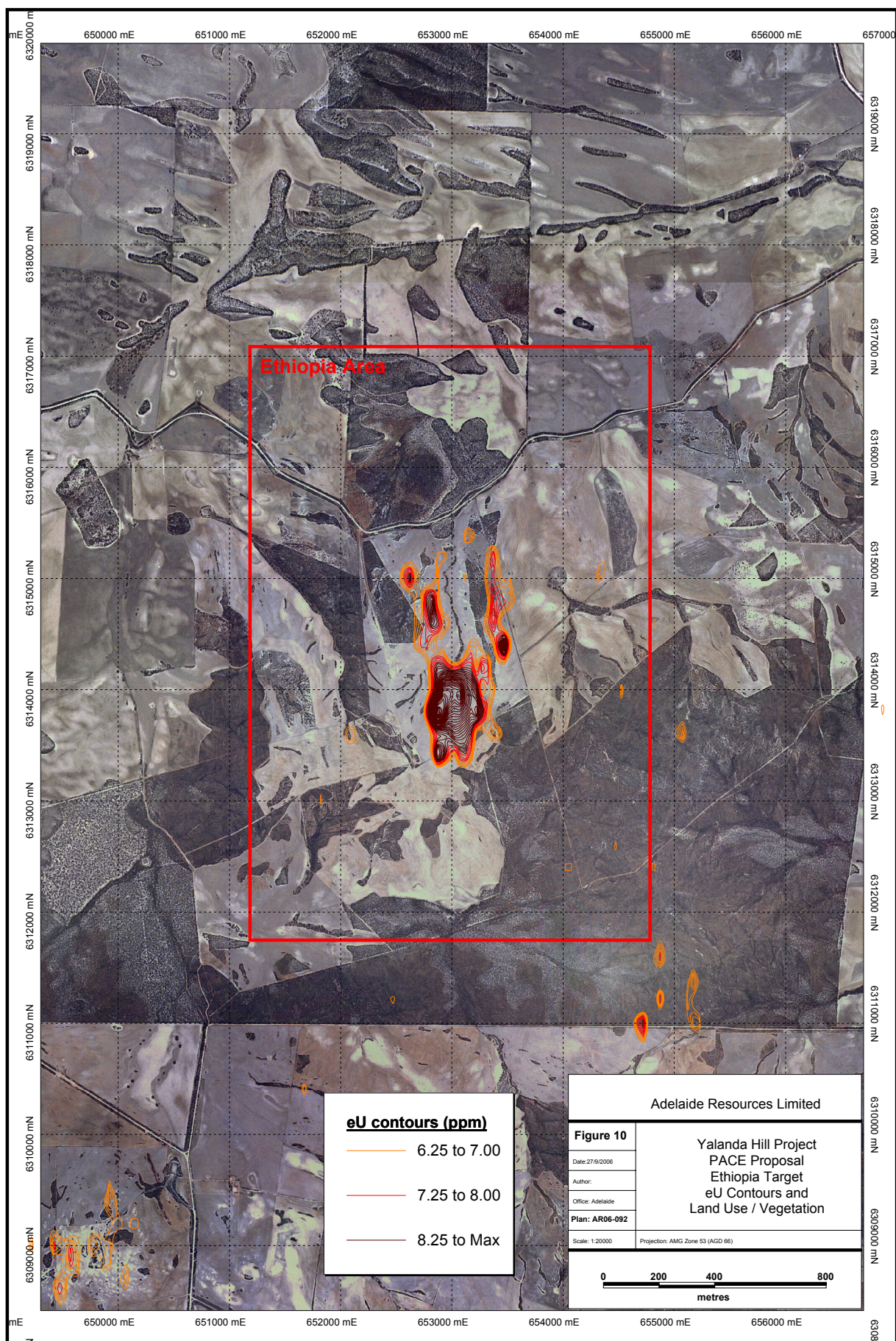
4.1 Summary

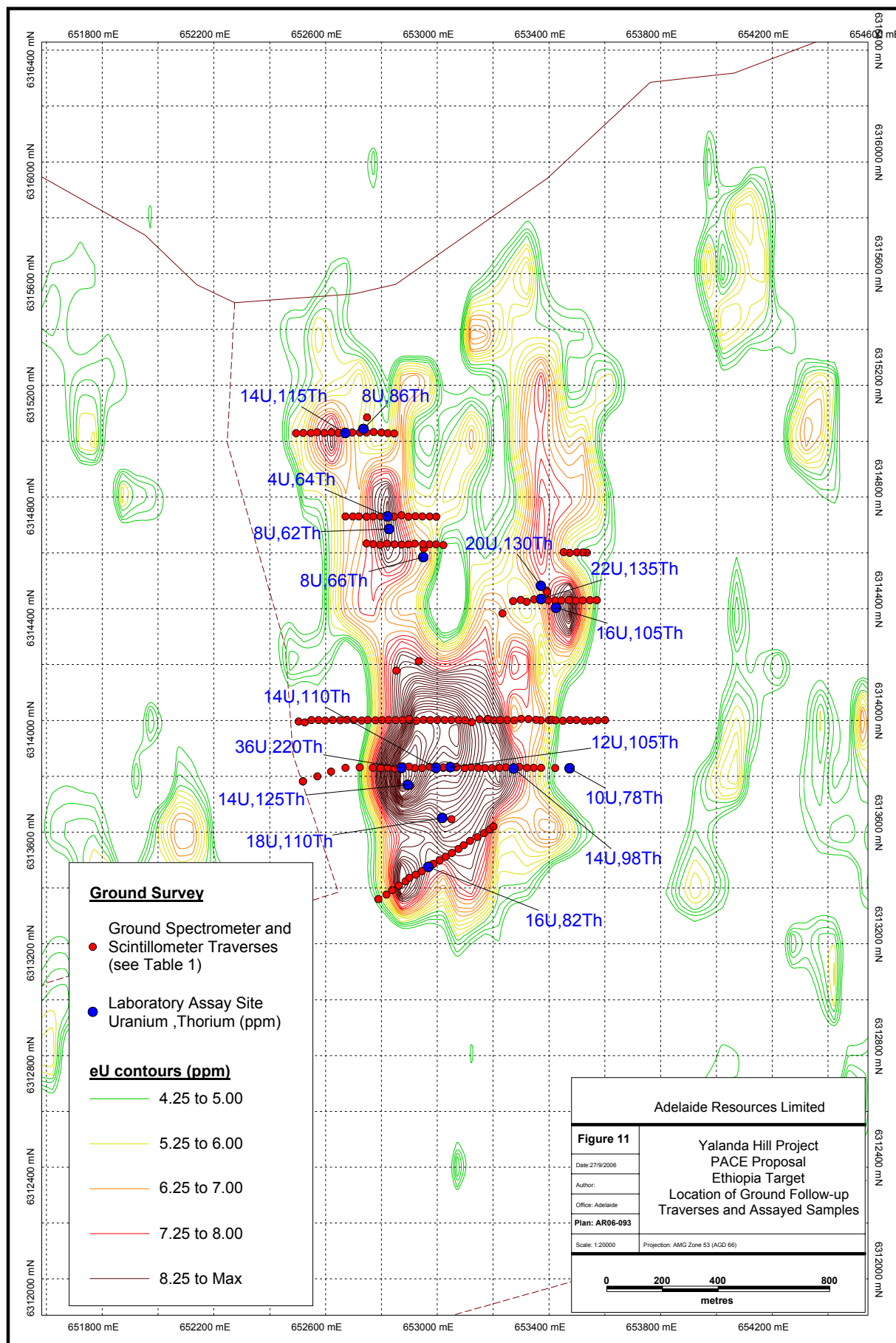
Adelaide Resources is seeking partial funding from PIRSA under the PACE initiative to support initial drill testing of the Ethiopia radiometric target. At this initial stage, RAB drilling is the preferred approach on east – west traverse lines that approximately coincide with the ground follow up spectrometer traverses. The proposed RAB drilling has two main purposes:

- (1) To sample unweathered bedrock, or at least to obtain sample material from the base of weathering, to determine primary uranium and thorium abundance levels, and the identity of any mineral phases carrying elevated uranium and thorium.
- (2) To obtain sufficient information on the local geological environment to be able to infer a preferred model for the occurrence of the elevated uranium and thorium values.

The proposed RAB drilling program will consist of 48 vertical holes on 5 traverse lines of varying length over the Ethiopia anomaly. As the depth of weathering is unknown, an average hole length of 50 metres has been assumed to ensure that an adequate sample of fresh bedrock is obtained, in line with Adelaide Resources experience elsewhere in northern Eyre Peninsula. This corresponds to a total program advance of 2400 metres. In the event that fresh bedrock can be







sampled at shallower depths than assumed, the overall program will be adjusted accordingly, and unused metres assigned to testing other outlying portions of the overall Ethiopia radioactive anomaly.

Drilling of vertical rather than inclined holes is preferred at this early stage because of the lack of information on the geometry and disposition of rock types in underlying fresh bedrock.

Drilling contract prices are difficult to forecast at present, but at expected rates of A\$18 to A\$20 per metre for direct drilling costs, plus an additional allowance for mobilization, the estimated total direct cost of this program (including mobilization) is in the range A\$46 000 to A\$50 000. This excludes land access, analytical, project management and other geoscientific costs and overheads. Taking the mid point of this projected cost range (A\$48 000) as a 'best' estimate, under the PACE funding arrangements Adelaide Resources is requesting a PIRSA contribution of \$24 000 to enable the project to be implemented.

4.2 Proposed Drillholes

The location of the planned holes is shown in Figure 12. A hole spacing of 50 to 100 metres has been assumed on east – west traverse lines 200 metres apart, with holes distributed as follows:

Line 6313600 mN – 8 holes.

Line 6313800 mN – 8 holes

Line 6314000 mN – 18 holes

Line 6314200 mN – 8 holes

Line 6314600 mN – 6 holes

On Line 6314000 mN hole spacing of 50 metres is proposed over the peak of the anomaly to assist in resolving the underlying geological relationships, and additional holes are planned to the east and west of the main body of the eU and eTh anomaly to ensure that adequate sampling is attained of the contact zone between the basal portions of the Warrow Quartzite and underlying Miltalie Gneiss.

On Line 631 4600 mN a short traverse of 6 holes is planned over a smaller satellite anomaly that occurs on the eastern side of a narrow enclave of Warrow Quartzite, and which may be connected in the subsurface to the main body of the anomaly. The enclave of intervening Warrow Quartzite is visible in Figure 10 as a north-south trending strip of vegetation where outcropping to sub-outcropping quartzites occur, and where the ground is unsuitable for cultivation.

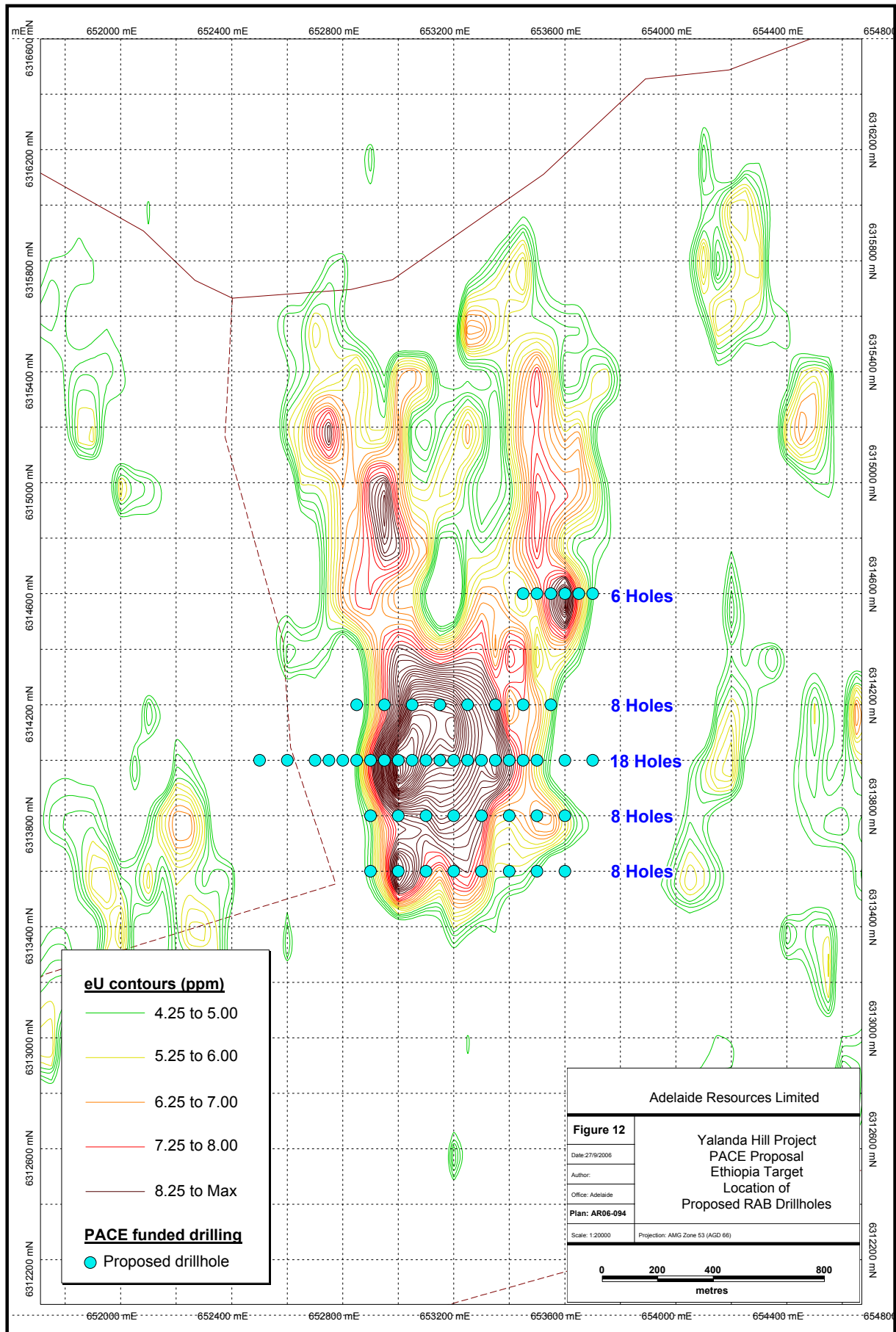
The nature of the target, and the absence of any useful information on the underlying geological relationships, particularly the nature and orientation of the inferred unconformity between the Miltalie Gneiss and basal Warrow Quartzite, precludes the submission of a predictive cross section through the target as requested.

4.3 Sampling and Assaying

Drillhole samples collected at site will be collected in plastic bags, and removed to a central storage facility after sampling.

RAB percussion holes will be sampled at 1 metre intervals, and a separate washed sample of drill chips collected for logging purposes and possible petrographic examination and other mineralogical determinations.

Assaying will be undertaken using standard laboratory techniques for uranium and thorium. These will be accompanied by analytical data for an additional suite of elements, to be selected based on the nature of the bedrock revealed by the drill holes, but likely to include a standard suite such as Cu, Pb, Zn, Fe, and Mn.



4.4 Access Preparation

The anomaly and planned drilling traverses are mainly located on cleared cropping land, and no significant impediments to accessing drill sites are expected. The principal consideration will be scheduling of planned work with the landholder to ensure there is minimal disruption to agricultural activities.

4.5 Rehabilitation

Adelaide Resources has experience and an established track record in rehabilitation of drill sites on agricultural land elsewhere on Eyre Peninsula, and in the Pinkawillinie Conservation Park. The methods and techniques previously used by the company will again be used, as exemplified by the successful previous rehabilitation of abandoned drill sites, of which virtually no traces remain.

4.6 Deliverables

On completion of the planned holes Adelaide Resources will provide the following to PIRSA:

- (1) All analytical data from drill hole samples.
- (2) All reports on any petrographic and mineralogical work undertaken.
- (3) Representative drill cuttings from all holes suitable for archiving in the PIRSA Core Library.
- (4) Drill logs, plans and any associated data.
- (5) A Final Project Drilling Report.

4.7 Confidentiality

Adelaide Resources requires no confidentiality arrangements other than those required to ensure compliance with Australian Stock Exchange Listing Rules. To ensure compliance, any significant drilling results achieved must be communicated to the Stock Exchange as soon as the company is aware of them and has confirmed their validity.

4.8 Potential Risks

Perceived risks to the program are outlined below:

Aboriginal Heritage and Native Title: As the target and proposed drilling is located on freehold agricultural land, this aspect is not considered to present a material risk to implementation of the program.

Contractor Availability: At present the exploration drilling business is operating at full capacity, and the services of a suitable drill rig and contractor may be difficult to obtain in the present business environment, particularly for a relatively short program such as that envisaged. Some risk exists that availability of drill rigs may affect the ability of the company to complete the program within the required time frame.

Loss of Hole and Drilling Equipment: Adelaide Resources and its preferred contractors in the region have a good record with respect to abandonment before reaching target depth and/or downhole loss of equipment. Some risk still remains that the program could be materially affected by hole or equipment loss, and this is an inherent risk associated with exploration drilling that all parties accept.

Weather: Depending on the circumstances, Adelaide Resources may elect to suspend all exploration activities on days of total fire ban on Eyre Peninsula. As timing of the planned program is not yet known, the potential impact of this constraint cannot be estimated; if it is conducted early in 2007 when declaration of total fire bans commonly occur, significant project completion delays may ensue. While less likely, very heavy rain may also prevent access to drill sites for short periods.

Accidents: Operation of heavy drilling machinery always carries some risk of injury to persons and/or damage to equipment. All contractors and company staff are required to observe safety procedures designed to minimise risk, and to carry appropriate insurance, including Workcover.

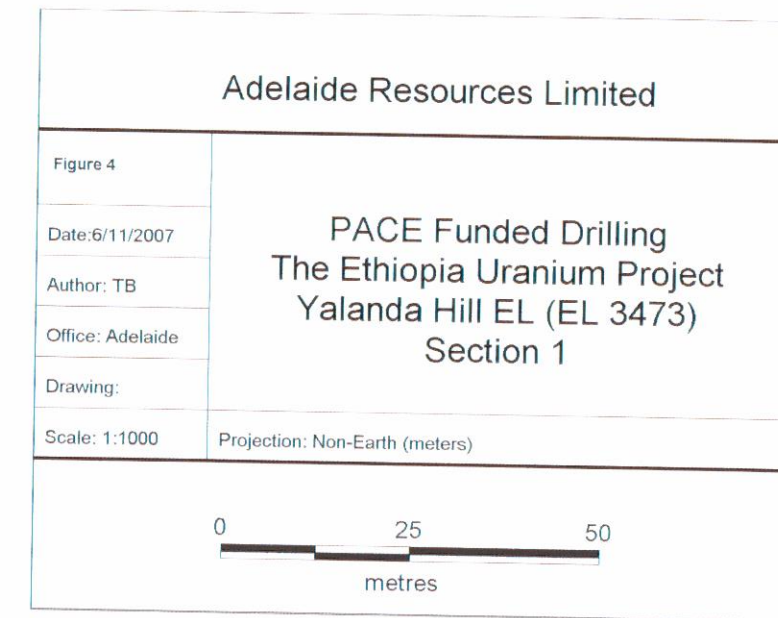
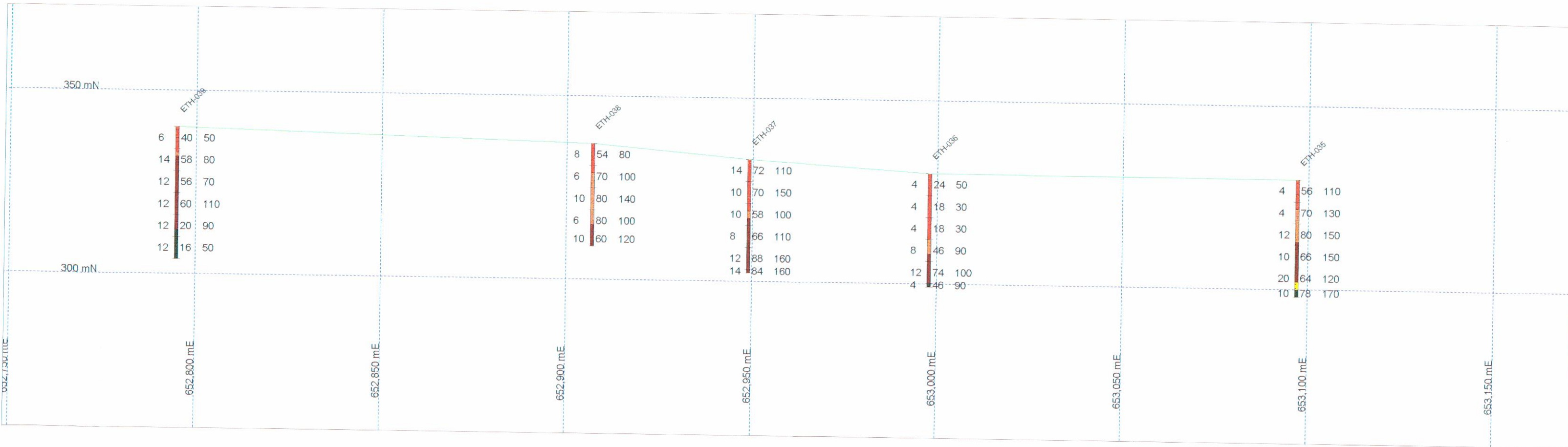
Accidental loss of sample material in transit to Adelaide is always possible but unlikely. As most of the drilled sample will be retained, loss of assay samples or PIRSA Core Library samples in transit can be readily replaced by duplicate samples.

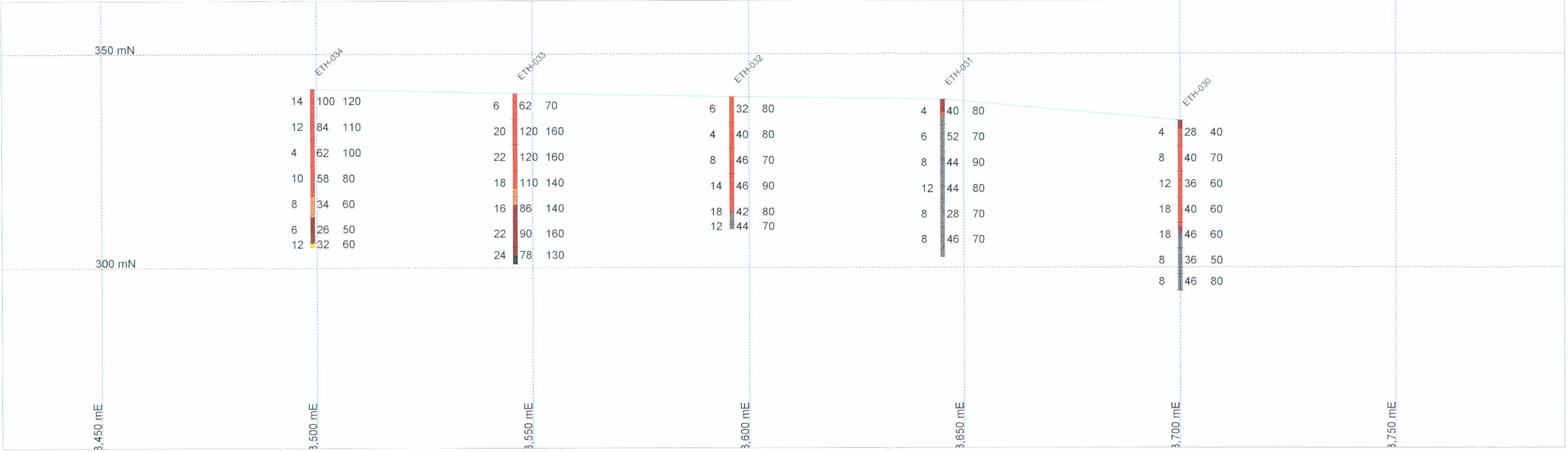
5.0 Personnel

Adelaide Resources has available a core group of highly experienced staff and contractors with a proven track record of working in the Eyre Peninsula region. The program will be conducted under the direction of Chris Drown, Exploration Director, with the assistance of specialised contractors and consultants as and when required.

6.0 References

- Budd, A., Wyborn, L.A.I. and Bastrakova, I.V., 2001. The Metallogenic Potential of Australian Proterozoic Granites, *Geoscience Australia, Record 2001/12*.
- Parker, A.J. 1993, Chapter 4, Palaeoproterozoic, *in* Bulletin 54, The Geology of South Australia, Volume 1 The Precambrian. Eds J.F. Drexel, W.V. Preiss and A.J. Parker., Mines and Energy South Australia.
- Pasminco Australia Ltd, 1996, EL 1726 'Lake Gilles', Quarterly, Annual and Final Reports for the period 3/6/91 to 16/4/96. PIRSA Open File Envelope No. 8478





Adelaide Resources Limited

Figure 5

Date: 6/11/2007

Author: TB

Office: Adelaide

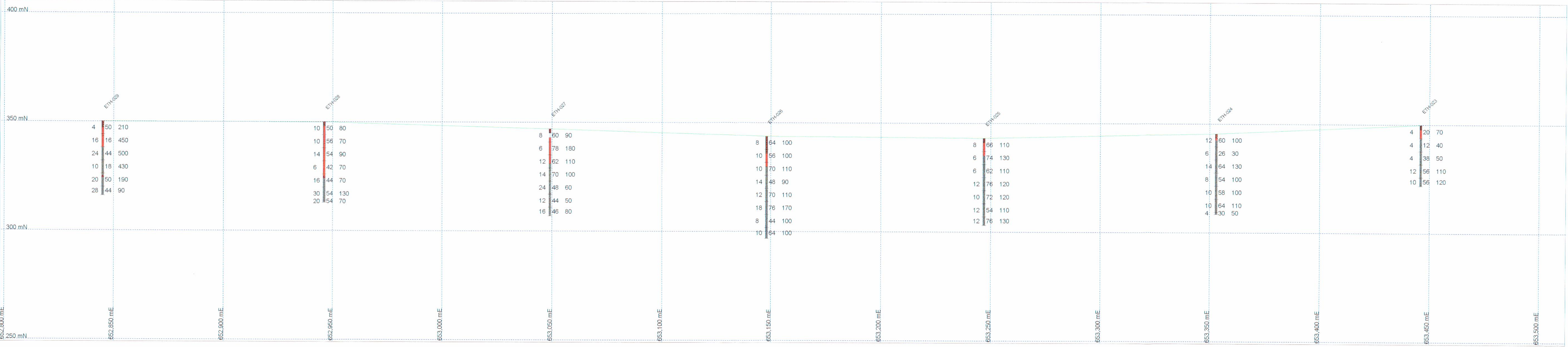
Drawing:

Scale: 1:1000

Projection: Non-Earth (meters)

PACE Funded Drilling
The Ethiopia Uranium Project
Yalanda Hill EL (EL 3473)
Section 2

0 25 50
metres



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Figure 6

Date: 6/11/2007

Author: TB

Office: Adelaide

Drawing:

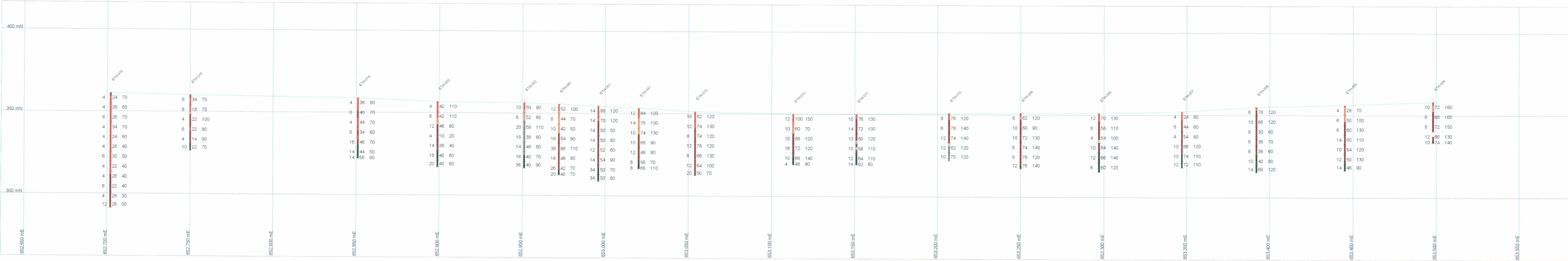
Scale: 1:1000

PACE Funded Drilling
The Ethiopia Uranium Project
Yalanda Hill EL (EL 3473)
Section 3

Projection: Non-Earth (meters)

02550

metres



Adelaide Resources Limited

Figure 7

Date: 6/11/2007

Author: TB

Office: Adelaide

Drawing:

Scale: 1:1000

PACE Funded Drilling
The Ethiopia Uranium Project
Yalanda Hill EL (EL 3473)
Section 4

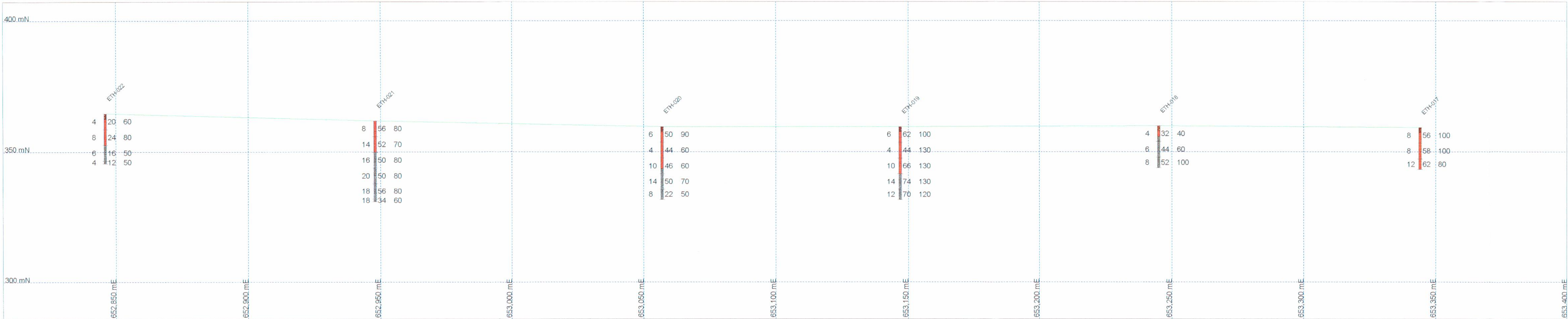
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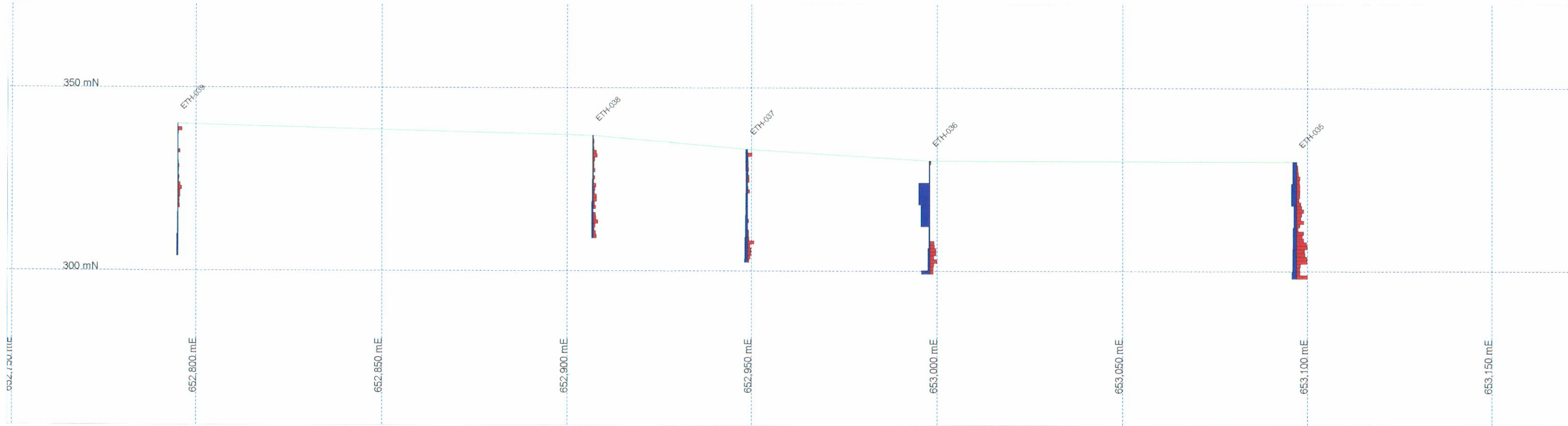
25

50

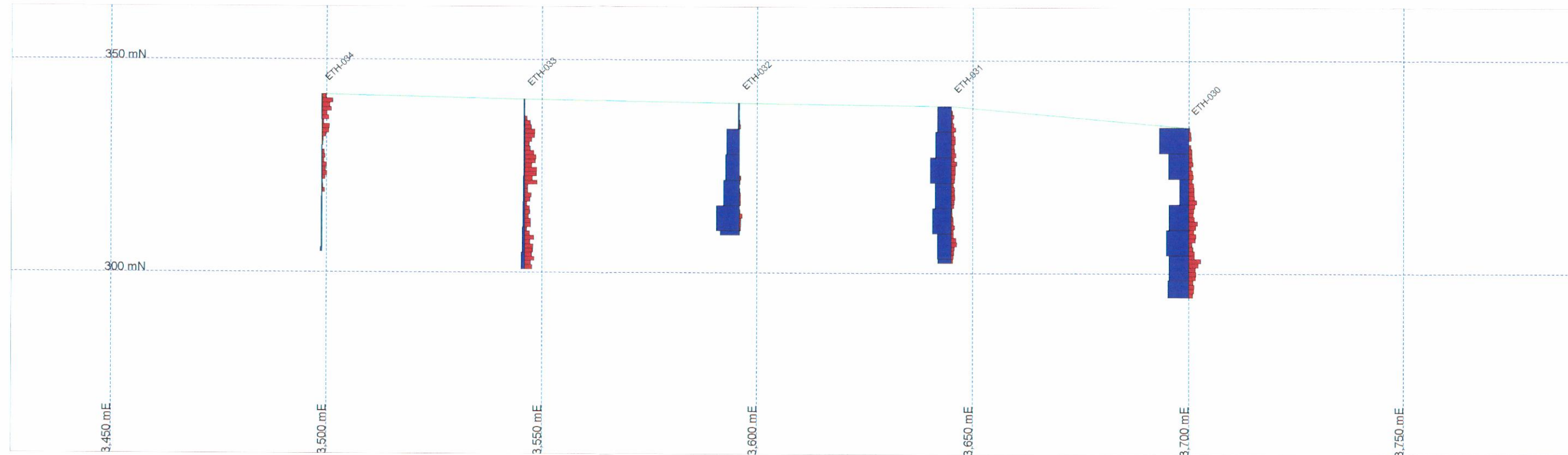
metres



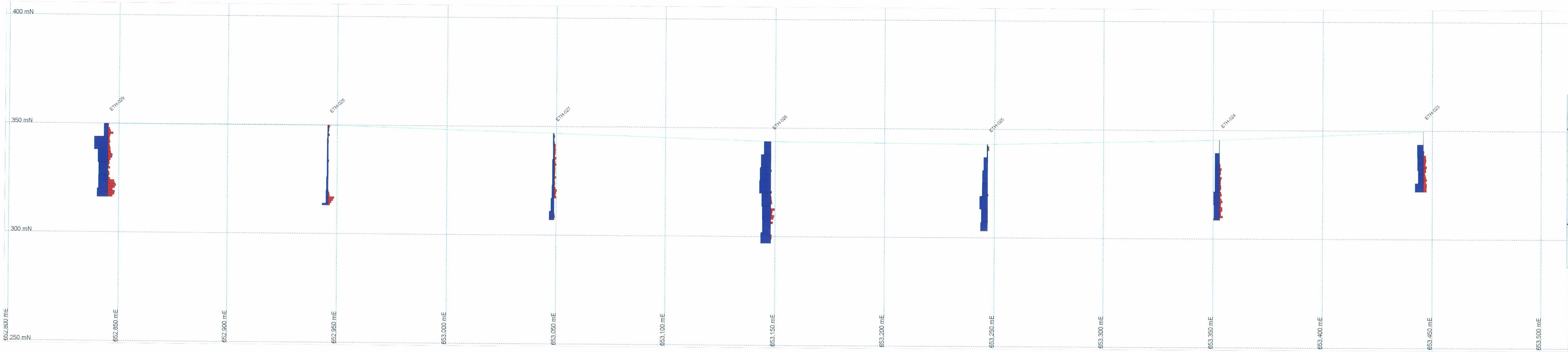
Adelaide Resources Limited	
Figure 8	PACE Funded Drilling The Ethiopia Uranium Project Yalanda Hill EL (EL 3473) Section 5
Date: 6/11/2007	
Author: TB	
Office: Adelaide	
Drawing:	
Scale: 1:1000	Projection: Non-Earth (meters)
0 25 50 metres	



Adelaide Resources Limited	
Figure 9	PACE Funded Drilling The Ethiopia Uranium Project Yalanda Hill EL (EL 3473) Section 1A
Date: 6/11/2007	
Author: TB	
Office: Adelaide	
Drawing:	
Scale: 1:1000	Projection: Non-Earth (meters)
0 25 50 metres	



Adelaide Resources Limited	
Figure 10	PACE Funded Drilling The Ethiopia Uranium Project Yalanda Hill EL (EL 3473) Section 2A
Date: 6/11/2007	
Author: TB	
Office: Adelaide	
Drawing:	
Scale: 1:1000	Projection: Non-Earth (meters)



Adelaide Resources Limited	
Figure 11	PACE Funded Drilling The Ethiopia Uranium Project Yalanda Hill EL (EL 3473) Section 3A
Date: 6/11/2007	
Author: TB	
Office: Adelaide	
Drawing:	
Scale: 1:1000	Projection: Non-Earth (meters)



Adelaide Resources Limited

Figure 12

Date: 6/11/2007

Author: TB

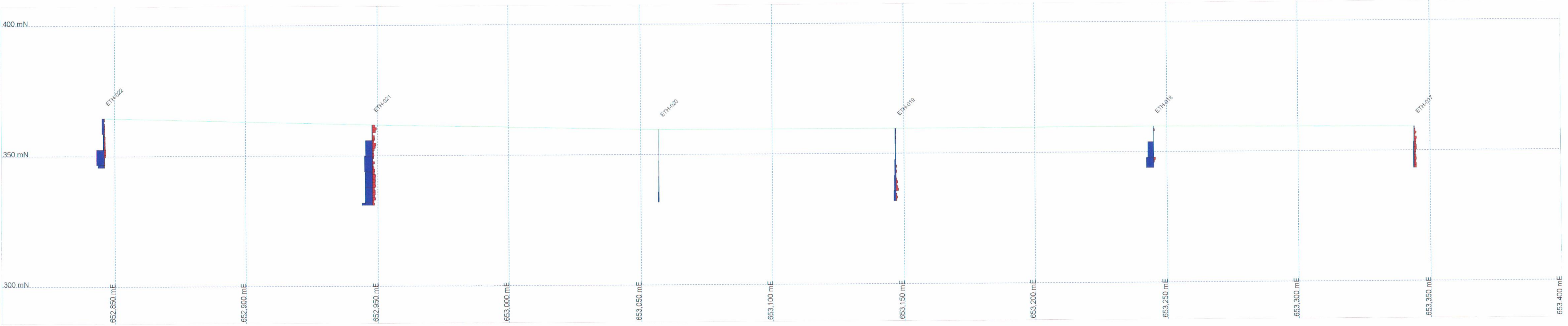
Office: Adelaide

Drawing:

Scale: 1:1000

Projection: Non-Earth (meters)

PACE Funded Drilling
The Ethiopia Uranium Project
Yalanda Hill EL (EL 3473)
Section 4A



Adelaide Resources Limited	
Figure 13	PACE Funded Drilling The Ethiopia Uranium Project Yalanda Hill EL (EL 3473) Section 5A
Date: 6/11/2007	
Author: TB	
Office: Adelaide	
Drawing:	
Scale: 1:1000	Projection: Non-Earth (meters)
0 25 50 metres	