Rangott Mineral Exploration Pty. Ltd. ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

at the

PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

Distribution: Copy 1 - M. Gear, Bathurst, Copy 2 - Geolyse, Orange,, Copy 3 - RME, Orange, Author: M. Rangott, A. Eastwood, K. Heynes, Rangott Mineral Exploration Pty. Ltd.,

31st August, 2012.

CD 1 - M. Gear, Bathurst, CD 2 - RME, Orange.

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1.0 INTRODUCTION

During late July and early August, 2012, three phases of drilling were carried out at the Lyndon Quarry site for engineering planning and asbestos risk assessment purposes. The drill phases and their objectives were:-

- (a) shallow auger drilling at key points on the planned locations of major items of plant in the proposed Infrastructure Area, to confirm that Byng Volcanics will not be intersected to the planned excavation depths at those points,
- (b) reverse circulation percussion drilling in the northwestern corner of the Infrastructure Area, and along the northwestern part of the revised proposed route of the site access road where it crosses a low ridge of Tertiary basalt. The objective of this drilling was to provide information on the types of materials which will need to be excavated, to estimate the quantities of each material to be excavated (for use in construction at the site, and for calibration of the crushing plant and for construction of bunds and soil stockpiles), and for confirming that Byng Volcanics is not present to the depths of excavation,
- (c) larger diameter auger geotechnical drilling to enable close-spaced penetrometer tests of the subsoil and weathered bedrock, to determine the load-bearing capacities of those materials.

As well, during the drilling programme a search was made for evidence of the locations of the percussion holes drilled by R. W. Corkery and Co. in 2000.

2.0 SHALLOW AUGER DRILLING

A total of forty four 98mm diameter auger holes (LA 41 to LA 84) were drilled by Colling Exploration Pty. Ltd. between 24th and 26th July, using their trailer-mounted auger rig. The hole depths ranged from 2 metres to 9 metres, and hole locations are shown on Figures 1 and 2.

The hole depths were planned to go to at least 3 metres below the planned RL of the Infrastructure Area (930 metres ASL on the western side, sloping to 928 metres ASL on the eastern side).

The holes were sampled at 1 metre intervals in to 750 x 450mm plastic bags, and small subsamples were taken from those and placed in a 20-compartment plastic reference chip tray for each hole. The sample returns were logged on site by M. Rangott. The geologists' logs are presented in Appendix I.

Most holes passed through soil and clay horizons and then entered weathered to extremely weathered Tertiary basalt at depth. Many of the shallow holes (2-4 metres) bottomed in clays (only) with ferruginous nodules and pisolites, believed to represent very degraded basalt.

Only hole LA 78 appears to have entered (very weathered) Byng Volcanics, from 2.8 to 3.0 metres (EOH). A sample of the clay from that interval was sent to Michael Till at AEC Environmental in Adelaide (see Appendix III), who confirmed that sparse particles of amphibole (?tremolite) are present but are too coarse to be classified as asbestos. Samples from holes LA-50 (4.0-5.2m) and LA-74 (2.0-3.0m) were also submitted, but no fibres were found in those and no amphibole minerals were detected by XRD analysis.

Holes LA 56, LA 57 and LA 60 passed through a shallow aquifer, which may create some engineering problems during excavation of the site, and possibly for long term stability of the floor of the IA in the vicinity of those holes.









3.0 RC PERCUSSION DRILLING

A total of eighteen 115mm diameter vertical reverse circulation percussion holes were drilled by Torpedo Air Drilling Pty. Ltd. of Cobar between 25th July and 1st August, using a small truck-mounted air rig. The total metreage drilled was 212, and hole depths ranged from 6 to 17 metres. The holes were drilled to at least 3 metres deeper than the planned floor of the IA and of the site access road. 14 holes were drilled in the northwestern corner of the planned IA, and 4 along the revised site access road. Two planned holes, GUY-042 and GUY-047, were not drilled.

The hole locations are shown on Figures 1, 2 and 3, and the drill logs are presented in Appendix II. The drilling was supervised, and the samples logged, by RME senior geologist Anne Eastwood and exploration geologist Kate Heynes.

Samples were collected over one metre intervals from top-of-hole to end-of-hole (EOH) in to 750 x 450mm plastic bags (which are now stored in the Lyndon shearing shed), and sieved and washed reference chips were taken from these and collected in a 20-compartment chip tray for each hole (see photographs in Appendix IV).

After drilling was completed, the holes were temporarily capped with no. 4 red plastic blasthole caps.

All of the holes bottomed in either fresh or partly-weathered Tertiary basalt. No Byng Volcanics were intersected to the (3 metres below grade) final depths of the holes.



4.0 GEOTECHNICAL DRILLING

Seven 110mm diameter holes, numbered MG BH 1 to 7, were drilled by Macquarie Geotech of Bathurst using their truck-mounted auger rig. MG BH 1 - 5 were drilled across the planned Infrastructure Area to 10 metres depths, and MG BH 6 and 7 were drilled along the southern part of the proposed access road, to 2 metres depth. Macquarie Geotech carried out penetrometer testing in these holes.

The drilling was monitored by M. Rangott (partly for OH&S purposes) and the sample returns were logged by M. Rangott and K. Heynes. Drillhole locations are shown on Figures 1, 2 and 3, and lithological logs are included in Appendix II. Reference chip samples were collected at 0.5 metre intervals in 20-compartment chip trays (except for hole MG BH 1), and photographs of these are provided in Appendix IV. The sample returns provided valuable geological and asbestos risk information.

MG BH 1 bottomed in very weathered basalt at 10 metres depth. **MG BH 2** passed through soil and weathered alkali basalt to 3.5 metres depth, then strongly weathered Byng Volcanics to 10.0 metres depth. A sample of the returns from 7.5 to 10.0 metres in this hole was sent to AEC Environmental, who confirmed the presence of amphibole which was too coarse to be classed as asbestos.

MG BH 3 passed through soil and intensely weathered alkali basalt, then passed in to intensely weathered Byng Volcanics at 2.0 metres depth which graded to weakly weathered, chloritic Byng Volcanics to 10.0 metres depth. A sample from 7.5-10.0 metres in this hole was sent to AEC Environmental, who detected a small amount of asbestos-sized amphibole.

MG BH 4 passed through soil and weathered alkali basalt to 6.5 metres depth, then strongly weathered Byng Volcanics to 10.0 metres depth. Small amounts of asbestos-sized amphibole were detected by AEC Environmental in a sample collected from 7.5 to 10.0 metres.

MG BH 5 passed through soil and very weathered basalt to 3.5 metres depth, then partly weathered Byng Volcanics to 10.0 metres depth. A sample taken from 7.5 to 10.0 metres depth was sent to AEC Environmental, who noted the presence of small amounts of asbestiform amphibole.

MG BH 6 passed through soil and brown plastic clays with no recognisable rock chips, to EOH at 2.0 metres depth, and **MG BH 7** passed through soil and brown and bright red plastic clays, with no recognisable rock chips, to EOH at 2.0 metres depth.

5.0 CALCULATION of MATERIAL RESOURCES in INFRASTRUCTURE AREA

The reference samples from holes GUY-032 to GUY-046 which were drilled in the northwestern corner of the Infrastructure Area ("IA") were reclogged with reference to quarry material by M. Gear from Hanson and A. Eastwood. The samples included the sieved samples in the reference chip trays, and larger, un-sieved samples stored in snap-lock plastic bags.

As a result of the re-logging, the returns from the drillholes were classified (based on probable end uses) as aggregate material (Agg, fresh Tertiary basalt), roadbase (RB, strongly to weakly weathered basalt), subsoil (Subs, red-brown plastic clays and brown loamy clay with basalt fragments and ferruginous nodules) and topsoil (Soil). The logged intersections of these materials in each hole are tabulated in Appendix VI of this report.

From this table and the differential GPS pickups of the hole collars, Anne Eastwood was able to construct a series of grid east-west oriented vertical sections showing the materials intersected and the interpreted correlations of the boundaries between these materials from hole to hole, which are presented on Figure 4.

The resource calculation covered an area approximately 115 metres long by 45-55 metres wide, constrained by the northernmost line of percussion holes (GUY-044 - 046) and the southernmost line (GUY-032 - 034), and projected from the westernmost hole on each traverse, to approximately half the hole spacing (i.e. 10 metres) beyond the easternmost hole on each traverse. An average batter angle of 80° was assumed from the daylight line of the IA.

On each section, the areas of each material domain (separate colours) were calculated. In line with the wire-frame technique of calculating volumes of ore reserves undrilled, intermediate sections were constructed at 6301441N, 6301414N and 6301383N and the material boundaries interpreted on to them from the adjoining sections, to allow a smoother and more reliable calculation of volumes.

For each section a consistent one metre thick zone of topsoil was assumed to be present throughout.

The volumes of each material were calculated from section to section by averaging the areas of each domain on adjoining sections and multiplying the average area by the distances between those sections, then totaling all of the calculated volumes for each material (see Table 1 below).

Densities of fresh basalt were measured on lengths of core from the 2000 core holes EG-01 and EG-03. These averaged 2.83. However, as those holes were drilled vertically and there may be minor zones of alteration along the boundaries between vertical columns in the basalt, a lower and more conservative density figure of 2.80 was adopted for the calculations. Density figures of 2.2 for roadbase, 1.6 for subsoil and 1.4 for topsoil were provided by M. Gear (based on densities used at Hanson's Bathurst Quarry) and used in the calculations.

For the 115 x 45-50 metres area, resources of 16,887cu.m. (47,283 tonnes) of aggregate material (10,839cu.m. (23,847 tonnnes) of roadbase, 20,598cu.m. (32,955 tonnes) of subsoil, and 5,335cu.m. (7,469 tonnes) of topsoil were calculated, for removal and processing or storage nearby.

It is pointed out the most variable and least predictable domain is that of subsoil, reflecting the rapidly varying depths of weathering of the basalt flow along this east-facing slope.

TABLE 1 - ROCK and SOIL EXTRACTION VOLUME and TONNEAGE CALCULATIONS for NORTHWESTERN CORNER OF INFRASTRUCTURE AREA

1

	AGGREGATE	ROADBASE	SUBSOIL	SOIL
SECTION 1 6301485N Area (m ²) Volume Section 1 to 2 (m ³)	145.5 4,275.0	88.1 1,978.5	181.2 9,345.0	46.0 1,365.0
SECTION 2 6301455N Area (m ²) Volume Section 2 to 3 (m ³)	139.5 2,032.0	43.8 583.8	441.8 4,194.4	45.0 595.0
SECTION 3 6301441N Area (m ²) Volume Section 3 to 4 (m ³)	150.8 2,436.8	39.6 564.2	157.4 1,692.6	40.0 295.7
SECTION 4 6301428N Area (m ²) Volume Section 4 to 5 (m ³)	224.1 3,208.1	47.2 1,459.5	103.0 1,285.9	53.5 756.0
SECTION 5 6301414N Area (m ²) Volume Section 5 to 6 (m ³)	234.2 2,597.7	160.4 2,380.7	80.7 583.3	54.5 752.5
SECTION 6 6301400N Area (m ²) Volume Section 6 to 7 (m ³)	136.9 1,584.4	178.8 2,590.8	41.4 1,509.6	53.0 901.0
SECTION 7 6301383N Area (m ²) Volume Section 7 to 8 (m ³)	49.5 325.6	126.0 1,281.8	136.2 1,987.0	53.0 669.5
SECTION 8 6301370N Area (m ²)	0.6	71.2	169.5	50.0
TOTAL VOLUME	16,887.1	10,839.3	20,597.8	5,334.7
SG	2.8	2.2	1.6	1.4
TONNAGES	47,283.9	23,846.5	32,955.2	7,468.6

9,050mE	709,075mE	709,100mE	709,125mE	709,150	mE	709,175mE	709,200mE	709,225mE
			······					
0			GUY044 16m	GUY045	GUY046			
Section 1 - 6301485	N		iom	14m	11m			
01	709,075mE	709,100mE	709,125mE	709,150	mE	709,175mE	709,200mE	









11 930mi	dum					
Section 5 - 6301414N	16m	iya	dummy4 10m			
	709,100mE	709,125mE	709,150mE	709,175mE	709,200mE	



9,050mE	709,075mE	709,100mE	709,125mE	709,150mE	709,175mE	709,200mE	709,225mE
Section 7 - 630138		dummy5		dummy6 10m			
	709,075mE	709,100mE	709,125mE	709,150mE	709,175mE	709,200mE	



Soil Subsoil

Deed Be

Road Base

Aggregate Section Orientation = 90° Grid; 1:1 Vertical Ratio Hanson Construction Materials Lyndon Quarry Infrastructure Area - RC Drillhole Cross Sections Scale 1:500 MGA94 zone 55

RME Rangott Mineral Exploration Pty Ltd

Figure 4

6.0 CALCULATION of MATERIAL RESOURCES on SITE ACCESS ROAD

Four percussion holes (GUY-028 to 031) were drilled along the northwestern part of the revised proposed site access road, to investigate sub-surface materials and quantify materials to be extracted. In this area, downcutting will be required to bring the road down from the broad swampy plain north of the Mitchell Highway, to the entrance to the IA in a valley. A fifth planned hole, GUY-047, was not drilled.

All of the four holes intersected weathered to fresh basalt at relatively shallow depths. The materials classified by M. Gear have been plotted on a long section (Figure 6) along the road course, and the boundaries between them have been projected along the section between and beyond the drillholes.

In order to calculate volumes and materials to be excavated for the downcut, it was necessary to prepare a preliminary design of the roadway along this section line. For this design, RLs for the sites of the five holes, as well as selected reference points, were obtained by differential GPS pickups of those points by D. Brownlee, and used to plot the land surface. The reference points were where the road centre line crosses 6300800mN (RL 937.61) and at the entrance to the IA immediately to the southeast of the planned weighbridge (RL 929.216).

A road centerline RL of 938.5m was assumed from where it crosses 709500mE, and 929.0m at GUY-031, resulting in a grade of approximately 1 in 27 between those points. It was assumed that, for safety purposes, the short section of roadway from GUY-031 to the entrance of the IA, should be level.

It was also assumed that for areas of the cut known to have a base in fresh to moderately weathered basalt, it would only be necessary to excavate to 0.5m below the final centerline of the road surface, whereas in areas with a subsoil base, it will be necessary to excavate 1.0 metre below (and backfill with competent roadbase material in each case).

The design parameters are shown on Figure 5. From the long section (Figure 6), a series of cross sections (R1 to R10) located where shown on Figure 5, were hand-drawn, with boundaries between the material domains plotted on to them.

The volumes of the four material domains, and the corresponding tonneages, were then calculated in the same manner, and using the same density figures, as used for the resource calculations for the northwestern corner of the IA.

The calculated figures for the planned roadcut are 5,397cu.m. (15,113 tonnes) of aggregate material, 10,924cu.m. (24,032 tonnes) of roadbase, 9,900cu.m. (15,840 tonnes) of subsoil, and 8,170cu.m. (11,438 tonnes) of topsoil. These figures should be regarded as approximate only, as they are based on only four drillholes, with some major projection distances between and beyond the drillholes.

TABLE 2 - ROCK and SOIL EXTRACTION VOLUME and TONNEAGE CALCULATIONS for NORTHWESTERN PART of PROPOSED SITE ACCESS ROAD

	AGGREGATE	ROADBASE	SUBSOIL	SOIL
SECTION R1 Area (m ²)				
Volume section R1 to R2 (25.5m) - (m^3)	-	-	- 603.1	25.0 624.8
SECTION R2 Area (m ²)	_		47.3	24.0
Volume section R2 to R3 (18.0m) - (m ³)	-	276.7	1,235.7	432.0
SECTION R3 Area (m ²)	_	30.75	90.0	24.0
Volume section R3 to R4 (14.0m) - (m ³)	-	614.3	946.4	347.9
SECTION R4 Area (m ²)	_	57.0	45.2	25.7
Volume section R4 to R5 (16.0m) - (m ³)	331.2	827.2	790.4	423.2
SECTION R5 Area (m ²)	41.4	46.4	53.6	27.2
Volume section R5 to R6 (72.0m) - (m ³)	2,070.0	3,978.0	4,705.2	1,987.2
SECTION R6				
Area (m ²) Volume section R6 to R7 (42.0m) - (m ³)	16.1 1,558.2	64.1 2,358.3	77.1 1,619.1	28.0 1,129.8
SECTION R7 Area (m ²)				
Volume section R7 to R8 (49.5m) - (m^3)	58.1 1,438.0	48.2 2,470.1	-	25.8 1,210.3
SECTION R8 Area (m ²)		51.6		23.1
Volume section R8 to R9 (50.0m) - (m ³)	-	1,290.0	-	1,090.0
SECTION R9 Area (m ²)				20.5
Volume section R9 to R10 (90.2m) - (m ³)	-	-	-	20.5 924.6
SECTION R10 Area (m ²)	-	-	-	_
TOTAL VOLUME	5,397.4	10,923.6	9,899.9	8,169.8
DENSITY	2.8	2.2	1.6	1.4
TONNEAGE	15,112.7	24,031.9	15,839.8	11,437.7





Section Orientation = 152° Grid; 1:1 Vertical Ratio

Scale 1:500 MGA94 zone 55

FIGURE 6

HCM028



7.0 RELOCATION of R.W. CORKERY DRILL COLLARS

In late 2011, a photocopy of an airphoto contact print, on which R.W Corkery and Co. had plotted the locations of their holes drilled in 2000, was used to calculate approximate coordinates of their holes, by rescaling the photocopy and obtaining "best fit" locations for the holes on a recent digital orthophoto plot.

During the July, 2012 drilling, each of the calculated coordinates and their surroundings, were located in the field and checked by M. Rangott. Evidence of prior drillholes (subsidence cones, surveyor's pegs, basalt chips) were found at the site of EG-002, 003 and 012 and revised coordinates taken with a hand-held GPS meter. These are regarded as confirmed sites, and three sites with lower order evidence, EG-007, 010 and 011 were also recorded. No unequivocal evidence of drillholes could be found at or close to the rest of the coordinate points.

The current status of the 2000 drillsites is summarised in Table 3 below.

HOLE No.	MGA_E	MGA_N	STATUS	EVIDENCE
EG-001	709047	6301560	assumed	best fit from RWC airphoto
EG-002	708983	6301228	confirmed	depression + chips
EG-003	709187	6300995	confirmed	depression + surveyor's peg
EG-004	709397	6301050	assumed	best fit from RWC airphoto
EG-005	709113	6301283	assumed	best fit from RWC airphoto
EG-006	709240	6301490	assumed	best fit from RWC airphoto
EG-007	709185	6301707	probable	old steel star post
EG-008	709007	6301742	assumed	best fit from RWC airphoto
EG-009	708987	6301403	assumed	best fit from RWC airphoto
EG-010	708839	6301269	probable	mound of fresh Tb chips
EG-011	708828	6301177	probable	surveyor's peg
EG-012	709022	6301075	confirmed	surveyor's peg (025E, 074N) and Tb chips (020E, 075N)

TABLE 3 - LYNDON SITE REVISED POSITIONS OF CORKERY'S PERCUSSION HOLES

Rangott Mineral Exploration Pty. Ltd. ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

at the

PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

APPENDIX I

Auger Drill Hole Logs

Rangott M	/lineral Explo	ration Pty Ltd	AUGER DRILL LC		son Construction M		
SITE:	EAST GUYON	G	SHEET / OF /	COLLAR CO-ORDS:	MGA 709 248 E 1	6 3010BN	
PROJECT:	LYNDON			AZIMUTH:	-		
HOLE No:	LA-41		LOGGED BY: M. RANGOTT	DECLINATION:	FRICAL	Date Drilled:	24/1/12
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6	7		K U U U U				
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Rangott	Mineral Explo	oration Pty Ltd	<u>A</u>	UGER DRILL	LOG	for	Hanson Constructi	on Materials	
SITE: EAST GUYONG				OF (DS: 709 251 E		
	LY NDON					AZIMUTH:	-		
	LA-42		LOGGED BY	1: M. RANGOT	T	DECLINATION:	VERTICAL	Date Drilled:	24/7/2012.
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	EAST GUYON		SHEET OF	COLLAR CO-ORDS: MGA 709209E	
PROJECT:	LYNDON			AZIMUTH: -)
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Rangot	Mineral Explo	oration Pty Ltd AUGER DRILL LOG for Hanson Construction Materials	
SITE:	EAST GUYON		
PROJECT	- LYNDON	AZIMUTH: -	
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3	4		150×155
4	5	PURPLE - BROWN & ORANGE - BROWN CLAY (INTERLAYERED), + PISOLITES, FW FRAGMENTS OF VERY DEGRADED BASACT IS	
		(Contraction) Contraction of the the property passed in	5070
		(EOH 5m).	
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Rangott M	lineral Explo	ration Pty Ltd	AUGER DRILL LOG	for Hanson Construction	n Matariala	
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0	1	RED-BROWN CLAYEN SOIL .				
1	2	u u u u ·				
2	3	DARK BROWN CLAYEY SOIL, U	UTTH ABUNDANT CHUPS OF	WEADLERED BASALT		
3	4			UDANT FINE CHUPS OF VERY WEATHARED BAS	SAIT-	
4	5			LITH SCATTERED OHIPS OF VERY JESTATED BY		
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			(E04.5m).			
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Rangott	Mineral Explo	oration Pty Ltd AUGER DRILL	LOG for Hanson Construction Mater	rials
SITE:	EAST GUYON	G SHEET / OF /	COLLAR CO-ORDS: MGA 709 236, 6 30	
PROJECT	LYNDON		AZIMUTH:	
HOLE No:	1. 1.5	LOGGED BY: M. RANGOTT	DECLINATION: VERTICAL D	ate Drilled: 24/7/2012.
and the second se	PTH (m)	DES	CRIPTION OF RETURNS	к
FROM	то			(mag. susc. x 10 ⁻⁵ SI units
0	1	RED-BROWN CLAYEY SOIL		
1	2.	RED - BROWN CLAYER SOIL, WITH SCATTERED FINE	CHIPS OF FETRIMINY WEATHARD BASALT.	
2	3	1 - 11 IN IN WEATH BANDS OF NOT		
3	4	DARK BROWN CLAY, WITH ABLIMMET YELOW-GRE		
4	5.	MID-BROWN WITH SOME YELOW-GREY PATTHES		
5	6	MID-BROWN GRITTY CLAY & GREY-GREAD CLAY I		
			THE ALL OF DEALINGED DISNU	
		(EOH Gm))	
			2 ¹	
		2 * ·		
			e	
				95% a

		oration Pty Ltd AUGER DRILL LOG for Hanson Construction Materials	
ITE: EAS	st Guyong	SHEET / OF / COLLAR CO-ORDS: MGA 709 148E, 6 30! 174	
ROJECT:	LINDON	AZIMUTH:	
IOLE No:	LA-47	LOGGED BY: M. RANGOTT DECLINATION: VERTICAL Date Drilled: 24/7	1/2012
DEP	TH (m)		ĸ
FROM	то		(mag. susc ແ10 ⁻⁵ SI uni
0	1	RED-BROWN CLAYES SOIL	-
1	2	u - u u u with scattered chips of extranely weathered basatt	
2	.3	DARK RED-BROWN SOIL, WITH ABUNDANT FINE CHIES OF VERY WEATHERED BASALT	
3	4	11 " - " WITH CHIPS OF VERY WEATHERED BASALT	
4	5	YELOW-BROWN GRIT, WITH CHIPS OF WEATHERED BASALT.	
5	6	u - u u u u u u u	
6	7	KHAKE GRIT WITH RARE CHIPS OF VERY WEATHERED BASAT.	
7	8	te re com ce re te te .	
		E.O.H. Sm	
			- 4
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HOLE No: LA-48 LOGGED BY: M. RANGOTT DECLINATION: VERTICAL Date Drilled: 24/7. DEPTH (m) DESCRIPTION OF RETURNS DESCRIPTION OF RETURNS x 0 1 RED-BROWD CLAYEY SOIL . x 1 2 x - x x x 2 3 x - x x x 3 4 x x x 4 5 GREY-BROWD CLAYEY SOIL . x x 2 3 x - x x x x 2 3 x - x x x x 2 3 x - x x x x 4 5 GREY - BROWD CLAYEY SOIL . x x 4 4 x x x x 3 4 - x x y y 4 5 GREY - BROWD CLAYE SOYL . x x 4 5 GREY - BROWD CLAY, with ABUNDADY CHIPS OF WEATHERD TO NEAR- FRESH BROWT x 5 6 x - x 4 RED - BROWD CLAY, with ABUNDADY CHIPS OF WEATHERD TO NEAR- FRESH BROWT x 7 8 GREY - BROWD CLAY, with ABUNDA OF MEAN CHIPS OF WEATHERD BROWT x	
DEPTH (m) DESCRIPTION OF RETURNS Mail FROM TO DESCRIPTION OF RETURNS X O I RED-GROWN CLAYER SOLL X I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 2 X a K I 3 K I a K I 4 5 GRef - BROWN CLAY WITH ABUNTANT CHIPS OF WEATHERD TO NEAR-FRESH BRATT 5 6 X C K C 6 7 GREf CLAY WITH SMAL CHIPS OF BRATY 7	
FROM TO DESCRIPTION OF RETURNS 0 1 RED-BROWN CLAYON SOLL 1 2 N - R N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 2 3 N - N N 4 K GREY - BROWN CLAY, WITH ABUNDANT CHIPS OF WEATHERD TO NEAR-PRESH BACHT 5 6 N - N N - N 6 7 GREY - WEATHER CHIPS OF MEANTY - WEATHERED BACHT 7 8 GREY PUSCY CLAY.	2012.
PROM IO x 0 1 RED-BROWN CLAYPY SOLL x 1 2 x - e n x 2 3 y - u n u x 2 3 y - u n u x 3 y - u u y y usedlight chiffs of very weathered read 3 y u u u u y u 4 5 GREY - BROWN CLAY u u u u u 5 6 n n w u u u u 5 6 n n n u u u u u u u 6 7 GREY UTH GRAMU CHIPS OF u	к
1 2 1	(mag. susc. 10 ⁻⁵ SI units
1 2 1	
2 3 H - " " " four small chifs of very weathered reck. 3 4 " - " " " with alwindowt chips of weathered. (?) baselt. 4 5 GREY - BROWN CIAY, WITH ABUNDANT CHIPS OF WEATHERED TO NEAR-FRESH BASALT 5 6 " - " & RED-BROWN CIAY, WITH CHIPS & NODULES OF PARTLY-WEATHERED BASALT 6 7 GREY CLAY, WITH SMALL CHIPS OF DOP PARTLY - WEATHERED BASALT. 7 8 OREN CLAY.	
3 4 " - " " with abundant chips of very weathoused (?) besalt. 4 5 GREY-BROWN CLAY, WITH ABUNDANT CHIPS OF WEATHERED TO NEAR-FRESH BASAIT 5 6 " - " & RED-BROWN CLAY, WITH CHIPS & NODULES OF PARTLY-WEATHERED BASAIT 6 7 GREY CLAY, WITH SMALL CHIPS OF DE PARTLY-WEATHERED BASAIT. 7 8 OREN CLAY.	
4 5 GREY-BROWN CLAY, WITH ABUNDANT CHIPS OF WEATHERED TO NEAR-FRESH BASAIT 5 6 11 - " & RED-BROWN CLAY, WITH CHIPS & NODULES OF PARTLY-WEATHERED BASAIT 6 7 GREY CLAY, WITH SMALL CHIPS OF DEPARTLY-WEATHERED BASAIT. 7 8 OREY PUBGY CLAY.	
5 6 11 - 11 & RED-BROWN (LAY, WITH CHIPS & NODULES OF PARTLY-WEATHERED BASALT 6 7 GREI CLAY, WITH SMALL CHIPS OF INFPARTLY-WEATHERED BASALT. 7 8 OREN PUGGY CLAY.	
6 7 GREI CLAY, WITH SMALL CHUPS OF ME PARTY - WEATHERED BASALT. 7 8 OREN PLOGY CLAY.	
7 8 OREY PUGGY CLAY.	
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		for Hanson Construction Materials	
		101121 6 501232	
PROJECT: 4		AZIMUTH:	
HOLE No:		LOGGED BY: M. RANGOTT DECLINATION: VERTICAL Date Drilled: 20	+/7/2012
DEPTI	H (m) TO	DESCRIPTION OF RETURNS	K (mag. susc. x 10 ⁻⁵ SI units
0	1	RED - BROWN CLAYEY SOIL	
1	2	RED-BROWN CLAYEN SOIL	
2	3	u _ u u u gritty weathered ledrach chips 2.9-3.0m	
3	4	MID-BROWN CLAY WITH CONMON CHIRS OF WEATHERED BASALT.	
ų.	5	GREL-BROWN CLAY, WITH ABUNDANT CHIPS OF "	
5	6	GREY SILTY CLAY , WITH FLOW SMALL CHIES OF WEATHERED BASALT.	
6	7	IL IL I I BEN NOULES OF WEATHERED BASILT	
		EO.H. Ton)
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Rangott Mi SITE: ᢄᠺS		AUGER DRILL LOG for Hanson Construction Materials SHEET 0F COLLAR CO-ORDS: MGA 709124, 6 301 254	
PROJECT:		AZIMUTH:	
HOLE No:	A CONTRACTOR OF	LOGGED BY: M. RANGOTT DECLINATION: VERTICAL Date Drilled:	24/7/2012.
DEPT FROM	H (m) TO	DESCRIPTION OF RETURNS	К (mag. susc. x 10 ⁻⁵ SI units
0	1	RED-BROWN CLAYER SOLL .	
l	2	tt tt tt ts s	
2	З	u - a cong	
3	4	MID-BROWN CLAY, WITH OTTIPS OF WEATHERED BASALT.	
4	5	pt - et 20 te te s et te	
5	\$ 5.2	11 - 11 WITH ABLINTANT OHIPS OF WEATHERED BASALET.	
		E.O.H. 5.2m - HET BOULDER OF HARD ROCK.	
1			
			3

Rangot	t Mineral Explo	oration Pty Ltd	AUGER DRILL	LOG for H	lanson Construc	ction Materials	
SITE:	EAST GUYOW		SHEET / OF /		S: MGA 709107		
PROJEC	T: LYNDON			AZIMUTH:	-		
	LA-51		LOGGED BY: M. AANGOTT	DECLINATION:	VERTICAL	Date Drilled:	25/7/2012.
and the second se	EPTH (m)		DES	CRIPTION OF RETURNS			K (mag. susc.
FROM	1 то					ter and the state of the state	x 10 ⁻⁵ SI units
0	1	RED- BROWN SOL		5			
1	2	" - " CLAYEY	Soll,				
2	3	u u	ц.				
3	4	u - u CLAY,	WITH SOME CHIPS OF WEAT	HERED BASALT			
4	5	AS ABOVE, THEN CHAN	NEE TO YELOW -GREY WITH AL	WATHAUT CHIRS OF NERY WEAT	HALTO BACAIT	AT ARAIN 1 Q.	
.5	6	YELLOW-GREY PUGGY MI	LARGE AY, WITH FEW CHIPS OF VER	Y WEATHERED & ASAIT	and a conset of	u rabbar q.om	
6	7		WITH SCATTERED SMALL CHILF				
7	B		CLAY.				
			E. O. H. 8m				
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Rangott	Mineral Explo	ration Pty Ltd	AUGER DRILL LOO	G for Hanson Construction	n Materials	
SITE:	EAST GUYON		SHEET / OF /	COLLAR CO-ORDS: MGA 709 114E		
PROJECT				AZIMUTH: -	0 20.2010	
the second se	LA-52		LOGGED BY: M - RANGOT	DECLINATION: VERTICAL	Date Drilled:	25/7/2012.
4	EPTH (m)		DESCRIP	TION OF RETURNS		к
FROM	то		DEGGN			(mag. susc. x 10 ⁻⁵ SI units
0	/	RED- BROWN	CLAYAY SOIL			
	2		11 L.C.			
2	3	lų 🔔 🕕	CLAY , WITH CARE NODULES OF EXTRE	ENELY WEATHERED & FEARIGINGED BASALT		
.3	4	BROWN CLAY	, WITH LARGE CHIPS OF VERY WEAT	HELED BASALT		
4	5	GREY - BROWN	PUGGY CLAY, WITH SMALL CHURS OF	WERTHERED BASKET	14	
5	6		CLAY (WET) - DERIVED FROM USU			
			(E.O.H. 6m)			
		5				1
				a. ¹	2	
		3				
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Pangott	Minoral Explo	ration Pty Ltd		AUGER D	RILLOG	for Ha	anson Construction N	lotoriala		
	EAST GUYON		SHEET	OF /			MGA 7091215, 6 3			
	LYNDON		ONLET				1011 1011216, 6 3	101 21510		
					1020702200	AZIMUTH:				2.1.
	LA - 53		LOGGED	BY: M. RAN	JGOTT	DECLINATION:	VERTICAL	Date Drilled:	25	7/2012.
the second se	PTH (m)	4			DESCRIPTION (DE RETURNS				K (mag. susc.
FROM	то									x 10 ⁻⁵ SI units
0	1	RED-BROWN CLAY	ey son		-			a.1		
1	2									
2	-3									
3	3.1	Rock - boulder,	to encided	Anone and	Plant and		PAOUT			
			counce	Togran DAR	C BROWN CLAY, P	EN CEUS OF WEATH	HEKEV BASTILI.			
	-									
	-			E.O.H.	3./m '					
								27.2.10		
							P			
						2 ¹				
			2.1							
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			the second s							(

Rangott	Mineral Explo	oration Pty Ltd AUGER DRILL LOG	for Hanson Construction Materials			
SITE:	EAST GUYON	SHEET OF	COLLAR CO-ORDS: MBA 709 104 5, 6 301 272	210		
PROJECT	LYNDON		AZIMUTH:			
HOLE No:	-n sy	LOGGED BY: M. RANGOTT	DECLINATION: VERTICAL Date De	rilled: 25/7/2012.		
Analysis of the second second second	PTH (m)	DESCRIPT	ION OF RETURNS	K (mag. susc.		
FROM	то			x 10 ⁻⁵ SI units		
0	1	RED-BROWN CLAYER SON.				
1	2	the second se				
2	3	BROWN CLAY WITH FEW ROCK CHUPS (EXTREMELY WEATH	eto).			
3	4-	the set to be the set of set	2.			
4	5	" " WITH ROCK CHURS (VERY WEATHERED				
5	6	AS ABOUT TO APOUT 5.5 , THEN PUGGY GREY CLAY				
6	7	VERY DAMP, FUGGY GABY CLAY . RAKE CHIPS OF				
		(EOH. 7m).				
			2.			
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			*			
			A AND			
Rangott M	lineral Explo	ration Pty Ltd AUGER DRILL LOG	AUGER DRILL LOG for Hanson Construction Materials			
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SITE:	EAST GUYC		COLLAR CO-ORDS: MGA 709 115			
PROJECT:	LYNDON		AZIMUTH:			
	LA-53	LOGGED BY: M. RANGOTT	DECLINATION: VERTICAL	Date Drilled: 25/7/2012.		
Alasta and a second second second second	TH (m)	DESCRIPT	ION OF RETURNS	K (mag. susc.		
FROM	то			x 10 ⁻⁵ SI units		
0	1	RED _ BROWN CLAYEY SOIL_		/ **		
- 1	2	REP-BROWN PUCGY CLAY.				
2	3	τ ι τι η η				
3	4	BROWN CLAY, WITH SCATTERED CHIPS OF FERALISINISED B	ASM 15			
4	5	GREY, VERY PLOGY CLAY				
5	6	GREI-BROWN, VERY DAMP, VERY PUGGY CLAY - VERY				
4	E.					
		(EOH 6m).				
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Rangott N SITE:	lineral Explo	oration Pty Ltd AUGER DRILL ONG SHEET OF		nson Construction M							
	LYNDON	SHEET (OF (MGA 709 1215 63	10/ 303						
	LA-56	LOGGED BY: M. RANGOTT	AZIMUTH: DECLINATION:	-							
	TH (m)		DECLINATION:	VERTICAL	Date Drilled: 25/7/2012						
FROM	то	DES	SCRIPTION OF RETURNS		K (mag. : x 10 ⁻⁵ S						
Ø	1	RED-BROWN CLAYEY SOIL		i contra							
1	2	BROWN CLAY (WET) WITH SMALL CHUPS OF FRARMON	ISED BASALT								
2	3	DARK BROWN CLAY & GREY PLAY (WET), WITH	BROWN CLAY & GREY PLAY (WET), WITH MUCHADUTE ADDULES.								
3	4	DARK CHONNATE CLAY (VERY WET) WITH ABU	WANT CHIPS OF FERRUGINOUS	ROCK							
4	5	GREY PUGGY CLAY (WET)									
		- /									
		(EOH 5m).								
		(STALLOW AQUIFER).									
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Rangott M	lineral Explo	ration Pty Ltd	AU	GER DRILL LOO	for Her			
SITE:	EAST GUYON		SHEET O			son Construct		
PROJECT:		6		• •	COLLAR CO-ORDS:	709 124E	6301321N	
	LYNDON				AZIMUTH:			
HOLE No:	LA - 57 PTH (m)	5	LOGGED BY:	M. RANGOH	DECLINATION:	VERTICAL	Date Drilled: 25/	Haore.
FROM	то			DESCRIP	TION OF RETURNS			K (mag. susc.
0	1	RED-BROWN CL	AVEY SOIL		·		21	x 10 ⁻⁵ SI units
1	2	WET RED-BR						
2	3							and .
3	4-					1- attree con (?)	2nonte	-
4-	5	n U U	wrtt	H LUMPS OF PLAGY O	OF MAGHAEMITE & WERY II FEW REY CLAY & NODULES OF	FERRIGHNAUS MAR		
		100 A A A A A A A A A A A A A A A A A A	1					
	5	×		E.O.H 5m				
1								
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			(SHALLOW AQUIFER)				
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4	Rangott M	lineral Explo	pration Pty Ltd	AUGER DRILL L	OG for H	Hanson Construct	tion Materials	
	SITE:	EAST GU	long	SHEET [OF [S: MGA 709130		
*	PROJECT:	LYNDON			AZIMUTH:			
	HOLE No:	LA -58		LOGGED BY: M. RANGOTT	DECLINATION:	VERTICAL	Date Drilled:	25/1/2012.
	DEP FROM	TH (m)	12	DESCI	RIPTION OF RETURNS			K (mag. susc.
	FROM	то				-		x 10 ⁻⁵ SI units
	0	1	RED-BROWN	CLAYEY SOIL	6			
		2	VERY DAMP	BROWN PUGGY CLAP, WITH NODU	TES DE FERRIGINISED ROCK	<u>.</u>	-	
	2	3	ti ti	0 0 10 -				
	3	4	se tr	" UENY PUGGY CLAY				
	4	5		BREY CLAY, WITH ABUNDANT				
				EDH 5m				
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Rangott N	/lineral Explo	ration Pty Ltd AUGER DRILL LOG for Hanson Construction Materials				
SITE:	EAST GUYO					
PROJECT:	LYNDON	AZIMUTH:				
HOLE No:	LA-59	LOGGED BY: M. RANS OFT DECLINATION: VERTICAL Date Drilled: 2	15/7/2012.			
DEF FROM	PTH (m) TO	DESCRIPTION OF RETURNS				
0	1	RED-BROWN CLAYZY SOLL	x 10 ⁻⁵ SI units			
	2					
2	3	RED-BROWN PUGGY CLAY (VERY DAMP) BROWN PUGGY CLAY (VERY DAMP) - FEW ROCK CHIPS				
3	4	$\frac{1}{12} \frac{1}{12} \frac$				
4	5	" " " (WET) - LUMB OF GREY CLAY & ABUNDANT NORMER OF FERLUGN SED (?) BASATT)				
		EOH. 5m.				
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Rangott N	lineral Explo	oration Pty Ltd AUGER DRILL LOG for Hanson Construction Materials	
SITE:	EAST GUYC		
PROJECT:	LYNDON	AZIMUTH:	
	LA-60	LOGGED BY: M. RANGOTT DECLINATION: VERTICAL Date Drilled: 25/1/2012	2.
Contraction of the second s	TH (m)	DESCRIPTION OF RETURNS (mag.	K
FROM	то	x 10 ⁵ S	
0	1	RED - BROWN CLAYEY SOIL	
/	2.	WET, BROWN PUBBY CLAY.	
2	3	W w w b	
.3	4	WET (VERY), LIGHT TAN PUBBY CLAY.	
4	5	LIGHT TAN CLAY SLURRY	
5	6	" " " " WITH ABUNDANT CHIPS OF VARIABLY WENTHERED & FERRIGINSER BASALT	
197		EOH 6m	
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	EAST GUY	ation Pty Ltd AUGER DRILL LOG for Hanson Construction Materials	
SITE:			
PROJECT:	LYNDON	AZIMUTH:	- 11 -
	LA-61	LOGGED BY: M. RANGOTT DECLINATION: VERTICAL Date Drilled	25/7/2012.
DEP FROM	TH (m) TO	DESCRIPTION OF RETURNS	K (mag. susc
	10		x 10 ⁻⁵ SI uni
0	(RED - BROWN CLAYEY SOLL	
l	2	RED - BROWN PUGGY CLAY-	
2	3	u-u u u	
3	4	BROWN PUBBY CLAY WITH FEW ROCK CHIPS	
4	5	an ay th	
15		EOH. 5m.	
2			
	11		

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SITE:	lineral Expl EAST GU LYNDON	oration Pty Ltd	SHEET	AUGER DF	RILL LOG	for COLLAR CO-OR		nstruction		
PROJECT:						AZIMUTH:	-			
HOLE No:	LA-6	2	LOGGED	BY: M. AAUGOI	T	DECLINATION:	VERICAL		Date Drilled:	25/7/2012.
A PROPERTY OF A	TH (m)				DESCRIPTION					К
FROM	то				DESCRIPTION	OF RETORNS				(mag. susc. x 10 ⁻⁵ SI units
0	1	RED-BROWN	CLAYEY SOLL							
1	2									
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Rangott M	lineral Expl	oration Pty Ltd	AUGER DRILL LC	DG for Hanson Construction Materials	
SITE:	EAST G		SHEET / OF /	COLLAR CO-ORDS: MGA 709 172E, 6 30/353N	
PROJECT:	LYNDO			AZIMUTH:	
HOLE No:	LA-63	3	LOGGED BY: M. RANGOTT		d: 26/7/2012
DEP	TH (m)		DESCR	IPTION OF RETURNS	к
FROM	то		DESCR	PTION OF RETURNS	(mag. susc. x 10 ⁻⁵ SI units
0	1	RED-BROWN	CLAYEY SOIL .		
1	2		CLAY .		
2	З		ιζ.		
3	4	BROWN, TENDIN	G TO GREY-BROWN PLLGGY PLAY	WITH FEW NODULSS OF VERY WEATHERED BASAT.	
			F.0	.H. 4-m	
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1		1 Spe			
4					
		100 510			
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					8
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Rangott M	ineral Explo	ration Pty Ltd	AUGER DR	LL LOG	for Ha	anson Const	truction Ma	terials	
ITE:	EAST GU	YONG	SHEET / OF /		COLLAR CO-ORDS:	MGA 70	09165E, 63	01352N	
PROJECT:	LYNDON	J			AZIMUTH:	-	6		
HOLE No:	LA-64		LOGGED BY: M. MANGOTT			DECLINATION: VERTICAL Date Drilled			26/7/2012.
DEP ⁻ FROM	TH (m) TO			DESCRIPTION O	FRETURNS		terre Opt. Aut		K (mag. susc.
0	1	RED-BROWN CLA	ier soil ·					an a su ann an Anna an	x 10 ⁻⁵ SI units
1	2		LAY, WITH SCATTERED NODULS						-
2	3		VERY DAMP, VERY PURGY CU						
З	4		and clay, with Abung				WEATHERED	CBASALT.	
				EOH 4m.					
<u>.</u>									
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		ration Pty Ltd		R DRILL LOG	for Hanson Construction Materials			
SITE:	EAST GUY	ong	SHEET [OF [COLLAR CO-ORDS:	MGA 709.176E,	6 301 328 N	
PROJECT:	LYNDON				AZIMUTH:	-		
	LA - 65		LOGGED BY: M. A	ANGOTT	DECLINATION:	VERTICAL	Date Drilled:	26/7/2012.
DEPT FROM	Ή (m) TO			DESCRIPTION	OF RETURNS			K (mag. suse
Ô	10							x 10 ⁻⁵ SI uni
0		RED - BROWN C				101		
[2	BROWN PUGGY	CLAY (WET)					
2	3	GREY & BROWN	USE & CLAY (VALY WE	t) with small FERK	LEINOUS NOTULES.		a na an	
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Rangott Mi	neral Explo	pration Pty Ltd	AUGER DRILL	LOG	for Ha	nson Construction	Materials	
SITE:	EAST GUY		SHEET (OF (MGA 709 170E,		
PROJECT:	LYNDON				AZIMUTH:	-		
HOLE No:	LA-66		LOGGED BY: M. RANGON		DECLINATION:	VERTICAL	Date Drilled: 26	4/2012.
DEPT FROM	H (m) TO		DES	CRIPTION O	FRETURNS			K (mag. susc.
	10	1 00 11 0			an a	an mangan mangan kana sa kana sa kana sa		x 10 ⁻⁵ SI units
0	2	RED-BROWN CL					a de la constante de la consta	
			AUGGY CLAY (WET), WITH FA					
2	3	GREY "	u u (wet) i u	и	£4			
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Rangott M	ineral Explo	oration Pty Ltd	ŀ	UGER DRILL LOG	for Ha	anson Construction	Materials	
SITE:	EAST GUY			OF /		MGA 709 172E,		
PROJECT:	LYNDON				AZIMUTH:	-		~~
HOLE No:	LA - 6	7.	LOGGED B	1: M. RANBOTT	DECLINATION:	VERTICAL	Date Drilled:	26/7/2012.
Contraction of the second s	TH (m)			DESCRIPTI	ON OF RETURNS			K (mag. susc.
FROM	то			DECOR				x 10 ⁻⁵ SI units
0	. 1	RED-BROWN CLAY					×	
	2,	BROWN PUGGY	CLAY (WET)		-			
2	3	YELLOW-GREY	VERY PUGGY	CLAH (WET), WITH FE	PRUGUIOUS NODULES.			
12						tenti anti all'interiore pilicone dall'inte		
	1			E.O.H. 3m				
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Rangott M	lineral Explo	pration Pty Ltd	AUGER DRILL LOG	for Hanson Construction	on Materials
SITE:	EAST GUY		SHEET I OF I		6301318N
PROJECT:	LYNDO	N		AZIMUTH:	5. 5.
HOLE No:	LA-68	3.	LOGGED BY: M. RANGOTT	DECLINATION: VERMON	Date Drilled: 26/7/2012 .
	TH (m)		DESCRIPTIC	ON OF RETURNS	K (mag. susc.
FROM	то				x 10 ⁻⁵ SI units
0	/	GREY & RED-6	ROWN CLAYEY SOIL		
•/	2	VARY DAMP,	PUGGY BROWN CLAY, WITH FERRI	UCINOUS NODULES	
÷			(E.04. 2m)		
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			as.		
		Real of			
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		No. Contraction	19- ¹⁰		
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Rangott N	lineral Explo	ration Pty Ltd	AUGE	R DRILL LOG			nstruction M		The second s
2-2-	EAST GU		HEET / OF	1	COLLAR CO-ORD	S: MGA	709150E,	6301305N	
PROJECT:	LYNDON				AZIMUTH:	-			
HOLE No:	LA -69	. L	OGGED BY: 🛃	1. RANGOTT	DECLINATION:	VERTICAL		Date Drilled:	26/1/2012
Property in the second state of the second state in the	PTH (m)			DESCRIPTION C	F RETURNS				K (mag. susc.
FROM	то								x 10 ⁻⁵ SI units
0	/	RED-BROWN CLA	ey soil				an a		
1	2	BROWN CLAY SLI	URRY WITH F	ERRUGINOUS NODUCES.					
2	з	YELOW-GREY VE	RY PUGGY	CLAY (UERY DAMP)				
E.				EOH 3m.					
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DEPTH (m) DESCRIPTION OF RETURNS (r	
HOLE No: LA-70 LOGGED BY: M. RANGOTT DECLINATION: VERTICAL Date Drilled: 20/7 DEPTH (m) DESCRIPTION OF RETURNS 0 1 getto - BROWN 0.044(mt) Ditter 0	
DEPTH (m) DESCRIPTION OF RETURNS (r) 0 1 grdb - BROWN CLAYEY SOIL (r) 1 2 BROWN CLAY (wet) with FRENCINGUE NOTILES (r) 2 3 HARb, TAMP VELION - GREY CLAY, with FRENCINGUE NOTILES (r) 3 4 Yester - GREAT & BROWN CLAY (wet), with FRENCINGUES CF FRENCINGES NOTILES (r) 3 4 Yester - GREAT & BROWN CLAY (wet), with FRENCINGUES CF FRENCINGES NOTILES (r) 3 4 Yester - GREAT & BROWN CLAY (wet), with FRENCINGES CF FRENCINGES NOTILES (r) 3 4 Yester - GREAT & BROWN CLAY (wet), with FRENCINGES CF FRENCINGES For the set of the se	
FROM TO DESCRIPTION OF RETURNS N 0 1 gets - BROWN @LAYEY SOIL	1/2012.
0 1 gets -BROWN CLAYEY SOLL 1 2 BROWN CLAY (Wet) WITH FERRUCINAUS NOTIVES 2 3 HARD, Jump VELLOW -BRY (LAY, WITH FER FERLUCINAUS NOTIVES 3 4 YELDOW -BROWN CLAY (WET), WITH FER FERLUCINAUS NOTIVES OF FERRUCINISES & VERY WERTHERE BASHT, 1 EDH 4m 1 1 EDH 4m 1 1 Image: Solid information of the s	K mag. susc.
1 2 BROWN CLAY (WET) WITH FERENCINGUE NORMES 2 3 HARD, DAMP VELLOW - BREW CLAY, WITH FEW FERENCINGEN NORMES 3 4 YELTOW - GREW & BADWN CLAY (WET), WITH NORME OF FERENCINGEN & VERY WEATHERED BASKT 3 4 YELTOW - GREW & BADWN CLAY (WET), WITH NORME OF FERENCINGEN & VERY WEATHERED BASKT 5 5 EDH 4/m 6 6 6 6 6 6 7 6 6 6 6 6 7 6 6 6 6 6 6 6 6 6 6 6 6 6 6 7 7 7 7 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8 7 7 8	10 ⁻⁵ SI units
2 3 HARD, THAP YELLOW -GBW (LAY, WITH FEW FEELUINNOUS NOTHIES 3 4 YELION -GBW & BROWN CLAY (WET), WITH MOULES OF FEERUINNISER & VERY WEATHERED BASHT, 1 50H 4m 1 50H 4m 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	
3 4 YELION - GRIEN & BROWN CLAY (WEAT), WITH MODULES OF FEBRLIGWISED & VEBY INFATURED BASHT.	
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Rangott N	lineral Explo	ration Pty Ltd AUGER DRIL	LLOG for I	Hanson Construction	Materials	
SITE:	EAST GU	YONG SHEET ! OF !		S: MGA 709 159 E,		
PROJECT:	LYNDON		AZIMUTH:	-		
HOLE No:	LA-71	LOGGED BY: M. ANGOT	DECLINATION:	VERTICAL	Date Drilled:	26/1/2012.
Name of Concession, Name of Street, or other Designation, or other	TH (m)	Γ	ESCRIPTION OF RETURNS			ĸ
FROM	то					(mag. susc. x 10 ⁻⁵ SI units
0	1	RED-BROWN CLAYES SOIL .				
1	2	WET BROWN STICKY CLAY , WITH FINE ROCK				
2	3	BROWN PASSING TO GREY/PUGGY CLAY		ISED ROCK		
		/				-
-		E	0H. 3m.			
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Rangott	Vineral Explo	oration Pty Ltd	Dispeter Aller and a second	AUGER DRILL	LOG	for H	anson Constructio	n Matariala		
	EAST GUYC				200		MGA 709 163E,			
PROJECT:	LYNDON					AZIMUTH:	-			
	LA-72	×	LOGGED I	BY: M. RANGOTT		DECLINATION:	VERTICAL	Date Drilled:	26/7/2012.	
DEF	PTH (m)			DES	CRIPTION	OF RETURNS			к	
FROM	то			Des	SCRIPTION O	OF RETORNS			(mag. sus x 10 ⁻⁵ SI un	
0	1	RED_BROWN CI	AYEN SOIC							
1	2			THE FEW FERRUGINOUS	NODULES					
2	3	BROWN & YEL	Loul GRON CI	LAY (VERY DAMP) W	HTH FERN J	TRONSTONE NODULE	S _ DECOMPOSED F	BA-CAIT		
		Hard and Mittel Lation 1. Hard - Concern Address		· /						
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Rangott M	ineral Explo	ration Pty Ltd	AUG	GER DRILL L	OG	for Hanso	n Construction	Materials		
SITE:	EAST GUY	ONG	SHEET / OF	1			SA 709157E,			
PROJECT:	LYNDON	5			AZIMUTH		r -			
HOLE No:	LA - 7:	3	LOGGED BY:	M. RANGOTT	DECLINAT	FION: Ver	ENCAL	Date Drilled:	26/1	7/2012
	H (m)			DESC	RIPTION OF RETURNS	5				K (mag. sus
FROM	то			Alter manya ana bayana mana da ata a						x 10 ⁻⁵ SI ui
0	1								\rightarrow	
I	2	BROWN PUCC	CLAY.						\rightarrow	
2	3	GREY - BROWN	UGGY CLAY, WIT	H ABUNDANT CHU	OF WEATHERED BA	SALT.	1		\square	_
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Rangott M	lineral Explo	ration Pty Ltd AUGEF	R DRILL LOG	for H	anson Construction	Materials	
SITE:	EAST GUYON	C SHEET / OF /		COLLAR CO-ORDS	: MGA 709158E,	6301271N	
PROJECT:	LYNDON			AZIMUTH:	-		
HOLE No:	LA-74	LOGGED BY: M.	RANGOTT	DECLINATION:	VERTICAL	Date Drilled:	26/1/2012.
And in case of the local division of the loc	PTH (m)		DESCRIPTION OF	RETURNS		÷	K (mag. susc.
FROM	то						x 10 ⁻⁵ SI units
0	1	RED - BROWN CLAYPY SOL.		·····			
1	2	BROWN PLIEGY CLAY .					
2	. 3	GREY PUCGY CLAY, WITH ABUNDANT	CHIPS OF WEATHERED	BASALT, and	h NONTROUTE 20165		
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Rangott M	lineral Explo	oration Pty Ltd	Α	UGER DRILL LOG	for Hanson Construction	Veteriala	
SITE:	EAST GUY			OF /	COLLAR CO-ORDS: MGA 709 1526		
PROJECT:	LYNDON				AZIMUTH:	6 301 264N	
HOLE No:	LA -75		LOGGED BY:	M. BANGOTT	DECLINATION: VERTICAL	Date Drilled: 26/7/20	02.
DEP	TH (m)			DECODID			к
FROM	TO			DESCRIPT	TION OF RETURNS		ag. susc.) ⁻⁵ SI units
0	1	RED-BROWN	CLAYEY SOIL	<u>.</u>			
1	2						
2	3	RED-BROWN PU	1064 PLAY PA	SSING TO VERY PUGG	GY YELON-GREY CLAY		
3	4				IS OF DARK WEATHERED BAGALT.		— —
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Rangott N	lineral Expl	oration Pty Ltd	AUGER DRILL LOC	for Hanson Construction Materials	
SITE:	EAST G		SHEET OF	COLLAR CO-ORDS: MGA 709 165E, 6 301 266N	
PROJECT:	LYNDON	J		AZIMUTH:	
HOLE No:	LA-7	6	LOGGED BY: M. RANGOTT	DECLINATION: VERTICAL Date Drilled:	26/7/2012.
and the second se	TH (m)		DESCRIP	TION OF RETURNS	K (mag. susc.
FROM	то				x 10 ⁻⁵ SI units
0	1	RED-BROWN	CLAYEY SOIL.		
1	2	BROWN PUGGY	1 CLAY .	5	
2	3	GREY PUBGY	(DAMP) CLAY, WITH NODULES OF	VERY WEATHERED BASALT.	
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Rangott N	lineral Explo	oration Pty Ltd	1	AUGER DRILL LOG	for	Hanson Construction	on Materials	
SITE:	EAST GUYC		SHEET	l of l	COLLAR CO-ORI	DS: MGA 709280E	6 301 178N	
PROJECT:	LYNDON				AZIMUTH:	-		
HOLE No:	LA-77		LOGGED E	BY: M. RANGOTT	DECLINATION:	VERTICAL	Date Drilled: 26	4/2011.
DEP FROM	TH (m)			DESCRIPTIO	N OF RETURNS			K (mag. susc.
	то							x 10 ⁻⁵ SI units
0	/			u**				
l	2	YOLOW - BROWN CLA	t with	ABLANDANT PISOLITES .				
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Rangott	Mineral Explo	ration Pty Ltd	AU	GER DRILL LOG	for	Hanson Cor	struction Ma	aterials	
SITE:	EAST GUYON	0G-	SHEET / OI	F /				6 301 173N.	
PROJECT:	LYNDON				AZIMUTH:	-			
and the second se	LA-78	¢.	LOGGED BY:	M. RANGOTT	DECLINATION:	VERTICAL		Date Drilled: 26	hou.
DEI FROM	PTH (m) TO			DESCRIPTION	OF RETURNS				K (mag. susc.
0	1	RED - BROWN	CLAYEY SOIL						x 10 ⁻⁵ SI units
1	2								
2	3	AS ABOVE,	THEN ABUN TANT	YELLOW - GREAN WEATHERE	BASALT & PISCITTES	(CHAUSE A	TABOUT 2-8	m)-could be B.V.	
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Rangott M	lineral Explo	oration Pty	Ltd		AU	GER DRILL LC	OG	for Ha	nson Co	nstruction I	Materials		
SITE:	EAST GUI			SHEET	/ o	F /		COLLAR CO-ORDS:	MGA	709 299, 6	301 164N		
PROJECT:	LYNDON	נ						AZIMUTH:	-	6			
	LA - 79		÷.	LOGGED) BY:	M. RANGOTT		DECLINATION:	VERTICA	L	Date Drilled:	26/7	/2012.
second second boundaries of the second second bags	TH (m)					DESCR		F RETURNS					K (mag. susc.
FROM	то							T RETORNO					x 10 ⁻⁵ SI units
0		BAOWN	LOAMY	SOIL.									
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Rangott M	lineral Explo	ration Pty Ltd AUGER DRILL LOG for Hanson Construction Materials	
SITE:	EAST GO	LYONG SHEET (OF (COLLAR CO-ORDS: MGA 709.295E, G 301 154. N.	
PROJECT:	LYNDON	AZIMUTH: 🧳 🗕	
	LA-80	• LOGGED BY: M. RAN GOTT DECLINATION: VERTICAL Date Drilled: 26/2	7/2012
DEP1 FROM	TH (m) TO	DESCRIPTION OF RETURNS	K (mag. susc.
0	/	AED - BROWN CUMITA CON	x 10 ⁻⁵ SI units
/	2	RED-BROWN CLAYFY SOIL	
2	3	RED - BROWN CLAY, WITH PELLETS OF YELLOW - GREEN, PUGGY, FATRONELY WEATHERED BASALT NEAR BOTTOM OF	HOLE.
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Rangott M	lineral Explo	oration Pty Ltd	A	UGER DRILL LOG	for Ha	nson Construction	Materials	
SITE:	EAST GUY			OF l		MGA 709313E		
PROJECT:	LYNDO	U			AZIMUTH:	-		
HOLE No:	LA-8	l -	LOGGED BY	: M. RANGOTT	DECLINATION:	VERTICAL	Date Drilled:	26/7/2012.
The second s	PTH (m)			DESCRIPTI	ON OF RETURNS			K (mag. susc.
FROM	то							x 10 ⁻⁵ SI units
0	I	RED - BROWN	CLAY .					
1	2							
2	3	BROWN CLAY	WITH HAN	UP NODULES OF VERY	WEATHERED BASAL			
· · · · ·								
1				EOH 3m.				
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Rangott N	lineral Explor	ation Pty Ltd	AU	GER DRILL LOG	for H	anson Construction	n Materials	
SITE:	EAST GUY		SHEET O	F 1		: MGA 709318E		
PROJECT:	LYNDON	J			AZIMUTH:	_	B Contraction of the Contraction of the	
HOLE No:	LA-82	÷	LOGGED BY:	M. RANGOTT	DECLINATION:	VERTICAL	Date Drilled:	26/7/2012.
	TH (m)			DESCRIPTION	OF RETURNS			K (mag. susc.
FROM	то							x 10 ⁻⁵ SI units
0	1	BROWN LOAMY	SOIL .					
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				Fall a				
		·····	*****	EOH 2m.				
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Rangott Mineral Exploration Pty Ltd AUGER DRILL LOG for Hanson Construction Materials SITE: EAST GUYONG SHEET / OF / COLLAR CO-ORDS: MGA 709 331E; 6 301 /50 N PROJECT: LYNDON AZIMUTH: - HOLE No: LA - 83 LOGGED BY: M. RANGOT DECLINATION: VERTICAL Date Drilled: 26/7/2022 DEPTH (m) DESCRIPTION OF RETURNS K O I RED - 6ROWN LOAMY CLAY I 2 BROWN COAMY CLAY EO, H. 2m. EO, H. 2m. I
PROJECT: LYNDON AZIMUTH: HOLE No: LA - 83 LOGGED BY: M. RANGOTT DECLINATION: VERTICAL Date Drilled: 26/7/20/2 DEPTH (m) DESCRIPTION OF RETURNS K (mag. susc. x 10 ⁶ SI unit O I RED - BROWN LOAMY CLAY I I 2 BROWN LOAMY CLAY I
DEPTH (m) K FROM TO DESCRIPTION OF RETURNS 6 1 RED - BROWN LOAMY CLAY 1 2 BROWN LOAMY CLAY
FROM TO Description of Returns (mag. susc. x 10 ⁻⁵ Sl unit 0 1 Rep - BROWN LOAMY CLAY . 1 2 BROWN LOAMY CLAY .
FROM TO x 10 ⁵ Sl unit 0 1 RED - BROWN LOAMY CLAY
1 2 BROWN LOAMY CLAY.
EO.H. 2m.
EO.H. 2m.

Rangott M	Aineral Expl	oration Pty Ltd	AUGE	R DRILL LOG	for Ha	nson Construction	Materials		
SITE:	EAST GUY		SHEET / OF /		COLLAR CO-ORDS:				
PROJECT:	LYNDON				AZIMUTH:	-			
HOLE No:	LA-8	4.	LOGGED BY: M.	RANGOH	DECLINATION:	VERTICAL	Date Drilled:	25/1/2	012.
And the second	PTH (m)	-		DESCRIPTION	OF RETURNS			/m	K nag. susc.
FROM	то							x 1	10 ⁻⁵ SI units
0	1	RED - BROWN	LOAMY SOIL.						
1	2	BROWN CLAY	/						
		E	ott. 0-2m.						
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Rangott Mineral Exploration Pty. Ltd. ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

at the

PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

APPENDIX II

Percussion Drill Hole Logs

Rangott	Mineral Explo	ration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709451mE 6300969mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 25/	7/12
HOLE No:	GUY028	LOGGED BY: KH DECLINATION: -90	
DE	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Dk grey to black olivine-rich basalt, moderately oxidised with common weathered brown fragments	113
1	2	as above, with decreased weathered chips. Oxidation predominantly on fractures surfaces	15
2	3	as above, with decreased weathered chips. Oxidation predominantly on fractures surfaces	19
3	4	dk grey to black fg fresh basalt. Minor clay (likely to be contamination within rods)	31
4	5	dk grey to black fg fresh basalt with weak oxidation on fract surfaces. Base of oxidation	35
5	6	dk grey to black, fresh, vfg basalt with common olivine xls	38
6	7	as above	13
7	8	as above with increased ol-phyric texture	14
8	9	as above	2
9	10	as above	10
10	11	as above	6
11	12	as above	14

-	-	oration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE: Lyndoi PROJECT: H	-	SHEET 1 OF 1 COLLAR CO-ORDS: AZIMUTH: -	
HOLE No: G		LOGGED BY: KH DECLINATION: -90 Date Drilled:	
DEPT	Ή (m)		К
FROM	то	DESCRIPTION OF RETURNS	(mag. susc. x 10 ⁻⁵ SI units
0	1	Med reddish brown clay-rich soil	31
1	2	med brown clay rich soil, and minor strongly weathered green/brown basaltic rock chips	23
2	3	med brown clay rich weathered basalt, and increased strongly wealthered basalt fragments	25
3	4	med brown clay and increased (>50%) moderately weathered dk grey basalt fragments	14
4	5	dk grey to black fine-grained basalt, with FeOx on fractured surfaces. Base of oxidation	7
5	6	dark grey to black fine grained, fresh, olivine rich basalt	11
6	7	As above	9
7	8	As above	6
8	9	As above with rare med gr olivine xls. Dk green, waxy chloritic veining noted.	2
9	10	As above, with no veining noted	6
10	11	As above	13

Rangott SITE: Lynd	-	Percussion Pty Ltd PERCUssion DRILL LOG for Hanson Construction Materials SHEET 1 OF 1 COLLAR CO-ORDS:	
PROJECT: HOLE No:		AZIMUTH: - LOGGED BY: KH DECLINATION: -90 Date Drilled:	
DE FROM	PTH (m) TO	DESCRIPTION OF RETURNS	K (mag. susc. x 10 ⁻⁵ SI units
0	1	Brown/grey organic rich soil/overburden	9
1	2	med brown/red clay (in-situ weahtered basalt clay), and weathered basaltic fragments	51
2	3	dk grey weak to moderately oxidised basalt	25
3	4	dk grey weak to moderately oxidised on frac surfaces, basalt. Base of oxidation	33
4	5	dk grey to black vfg fresh basalt	g
5	6	dk grey to black olivine-rich vfg basalt	26
6	7	As above	50
7	8	As above	14
8	9	As above	35
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Rangott I	Mineral Explo	ration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709388mE 6301100mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 26/7	//12
HOLE No:	GUY031	LOGGED BY: KH DECLINATION: -90	
DE	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Med brown/red clay rich soil (weathered basalt) and common oxidised basalt fragments	49
1	2	as above, with increased weakly oxidused basalt fragments	14
2	3	dk grey-brown weakly to moderately oxidised vfg basalt	14
3	4	dk grey to black weakly oxidised (on frac surfaces) olivine rich basalt	89
4	5	as above	127
5	6	dk grey to black vfg olivine rich basalt	196
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Rangott I	Mineral Explo	ration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709093mE 6301370mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 26/	7/12
HOLE No:	GUY032	LOGGED BY: KH DECLINATION: -90	
DE	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Reddish brown organic clay-rich soil	400
1	2	reddish brown clay (in-situ weathered basalt, and intensely weathered basalt - friable)	400
2	3	as above, clay dominant	600
3	4	Med-brown strongly weathered (texture retained) basalt. Minimal clay in interval.	400
4	5	D.grey fine-grained basalt. Weak weathering on fractured surfaces.	500
5	6	as above	400
6	7	Med-brown/green & orange, strongly oxidised basalt with common clay - approx.1/3	250
7	8	Weakly weathered, green/black fine-grained basalt - minor oxidation. No clay	350
8	9	Fresh green/black fine-grained basalt	500
9	10	Fresh green/black fine-grained basalt. Rough surface	550
10	11	Fresh green/black fine-grained basalt. Rough surface	700
11	12	Fresh green/black fine-grained basalt.	550
Rangott I	Mineral Explo	ration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
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SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709113mE 6301370mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 27/	7/12
HOLE No:	GUY033	LOGGED BY: AE DECLINATION: -90	
DE	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Dark orange-brown, plastic clay. Very minor rock fragments - approx.2%	550
1	2	Dark orange-brown, plastic clay + approx. 50% green-brown rock chips.	350
2	3	Dark red-orange-brown clay + approx. 50% green-brown oxidised rock chips.	300
3	4	Dark orange-brown clay + 5% green-brown oxidised rock chips	300
4	5	Orange-brown puggy clay + 40% green-orange oxidised mafic rock chips - basalt?	200
5	6	Orange-brown puggy clay + 30% green-orange oxidised mafic rock chips.	25
6	7	Orange-brown clay (20%) + green & orange-brown oxidised fine-grained basalt chips.	40
7	8	Minor approx. 5% orange-brown clay. Green-black + orange-brown, weakly oxidised fine-grained basalt chips	180
8	9	As above. Approx. 5% oxidised basalt chips. 2% orange-brown clay	200
9	10	Moderately oxidised fine-grained basalt chips + 2% orange-brown clay. Orange-brown + green-black basalt chips.	200
			
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Rangott I	Mineral Explo	bration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709132mE 6301370mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 27/	7/12
HOLE No:	GUY034	LOGGED BY: AE DECLINATION: -90	
DE	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM TO			x 10 ⁻⁵ SI units
0	1	Dark orange-brown clay/soil. Minor weathered rock chips - approx.5%	220
1	2	Dark orange-brown clay + 40% orange-brown oxidised rock chips.	75
2	3	Dark orange-brown, plastic clay + minor (approx. 1%) small oxidised rock chips.	100
3	4	Dark orange-brown clay + 40% oxidised rock chips - fine-grained mafic - basalt.	35
4	5	Dark orange-brown clay + approx. 1% small oxidised rock chips.	100
5	6	Orange-brown puggy clay + minor (approx. 5%) light green, orange-brown weathered rock chips.	80
6	7	Light green + orange-brown weathered & oxidised fine-grained basalt chips (15%? Clay)	10
7	8	Light green + orange-brown weathered & oxidised, fine-grained basalt chips. 15% clay. Tertiary.	10
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Rangott M	Mineral Explo	ration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709097mE 6301400mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 27/	7/12
HOLE No:	GUY035	LOGGED BY: AE DECLINATION: -90	
DEF	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Orange-brown clay + minor light green & orange-brown basalt chips - approx.10% rock chips	150
1	2	Orange-brown clay + minor (10%) light green & orange-brown weathered basalt chips. Plastic clay.	220
2	3	Orange-brown clay + minor light green basalt chips (1%) - weathered & oxidised.	100
3	4	Green-black, weakly oxidised, fine-grained basalt. Trace amounts of clay.	300
4	5	Green-black, slightly oxidised, fine-grained basalt.	350
5	6	Fresh green-black, fine-grained basalt.	350
6	7	Fresh green-black, fine-grained basalt.	300
7	8	Fresh green-black, fine-grained basalt.	300
8	9	Fresh green-black, fine-grained basalt.	350
9	10	Slightly oxidised, green-black, fine-grained basalt	400
10	11	Fresh green-black, fine-grained basalt. Tertiary aged	300
11	12	Fresh green-black, fine-grained basalt. Tertiary aged	300
12	13	Fresh green-black, fine-grained basalt. Tertiary aged	350
13	14	Fresh green-black, fine-grained basalt. Tertiary aged	400
14	15	Fresh green-black, fine-grained basalt. Tertiary aged	450

Rangott M	Vineral Explo	bration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709120mE 6301400mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 27/	7/12
HOLE No:	GUY036	LOGGED BY: AE DECLINATION: -90	
DEI	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Orange-brown clay + soil (50%) + weathered, fine-grained basalt chips.	200
1	2	Plastic orange-brown clay (80%) + moderately oxidised, fine-grained basalt chips.	100
2	3	Weakly oxidised, green-black & orange-brown fine-grained basalt chips + minor (approx. 5%) clay.	200
3	4	Moderately oxidised, fine-grained basalt chips + (approx. 10%) orange-brown clay.	150
4	5	Moderately oxidised, green-black + orange-brown fine-grained basalt chips + 30% puggy clay.	100
5	6	Weakly oxidised, green-black + orange-brown fine-grained basalt chips + 3% clay.	80
6	7	Green-black, slightly oxidised fine-grained basalt chips. Tertiary aged.	400
7	8	Green-black, slightly oxidised fine-grained basalt chips. Tertiary aged.	350
8	9	Green-black, slightly oxidised fine-grained basalt chips. Tertiary aged.	350
9	10	Green-black, slightly oxidised fine-grained basalt chips. Tertiary aged.	400
10	11	Green-black, slightly oxidised fine-grained basalt chips. Tertiary aged.	350
11	12	Green-black, slightly oxidised fine-grained basalt chips. Tertiary aged.	350

Rangott I	Mineral Explo	bration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709140mE 6301400mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 27/	7/12
HOLE No:	GUY037	LOGGED BY: AE DECLINATION: -90	
DE	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Dark orange-brown plastic clay + minor (approx. 10%) weathered mafic chips.	80
1	2	Orange-brown + green-brown plastic clays. Trace weathered rock chips.	100
2	3	Green-brown plastic clays + minor (approx. 5%), weathered mafic chips.	200
3	4	Green-brown plastic clays + minor (approx. 5%), weathered mafic chips.	150
4	5	Green-brown plastic clays + 50% very weathered fine-grained basalt chips.	50
5	6	40% green-brown clay + 60% very weathered fine-grained basalt chips.	50
6	7	Orange-green-brown clay (70%) + 30% moderately weathered basalt chips.	20
7	8	Moderately weathered & oxidised, fine-grained basalt chips. Tertiary aged.	20
8	9	Orange-brown & green-brown, moderately oxidised, fine-grained basalt chips. 15% clay	10
9	10	Orange-brown & green-brown, moderately oxidised, fine-grained Tertiary basalt.	10
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Rangott M	lineral Explo	ration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709102mE 6301428mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 31/2	7/12
HOLE No:	GUY038	LOGGED BY: AE DECLINATION: -90	
DEP	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Dark orange-brown clay + 1% small rock chips.	250
1	2	Dark orange-brown clay + 4% small weathered basalt chips.	200
2	3	Green-orange-brown clay (60%) + strongly oxidised & weathered basalt chips.	200
3	4	5% clay + weakly oxidised, fine-grained, green-black Tertiary basalt.	270
4	5	Fresh, green-black, fine-grained Tertiary basalt	400
5	6	Fresh, green-black, fine-grained Tertiary basalt	350
6	7	Fresh, green-black, fine-grained Tertiary basalt	300
7	8	Fresh, green-black, fine-grained Tertiary basalt	200
8	9	Fresh, green-black, fine-grained Tertiary basalt	300
9	10	Fresh, green-black, fine-grained Tertiary basalt	400
10	11	Fresh, green-black, fine-grained Tertiary basalt	450
11	12	Fresh, green-black, fine-grained Tertiary basalt	500
12	13	Fresh, green-black, fine-grained Tertiary basalt	500
13	14	Fresh, green-black, fine-grained Tertiary basalt	500
14	15	Fresh, green-black, fine-grained Tertiary basalt	500
15	16	Fresh, green-black, fine-grained Tertiary basalt	400
16	17	Fresh, green-black, fine-grained Tertiary basalt	400

Rangott I	Mineral Explo	ration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709124mE 6301428mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 1/8/	12
HOLE No:	GUY039	LOGGED BY: AE DECLINATION: -90	
DE	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Weakly oxidised, fine-grained basalt chips - green-black & orange-brown. 5% clay	100
1	2	Slightly oxidised, fine-grained green-black Tertiary basalt chips.	200
2	3	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	250
3	4	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	300
4	5	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	300
5	6	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	300
6	7	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	200
7	8	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	250
8	9	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	220
9	10	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	450
10	11	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	500
11	12	Fine-grained green-black Tertiary basalt chips. Very slight oxidation.	500
12	13	Fresh, green-black, fine-grained Tertiary basalt	550
			
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Rangott I	Mineral Explo	ration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709145mE 6301428mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 1/8/	12
HOLE No:	GUY040	LOGGED BY: AE DECLINATION: -90	
DE	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Orange-brown clay + minor (approx. 5%) strongly weathered rock chips	200
1	2	Orange-brown clay + 10% weathered & oxidised rock chips	200
2	3	Orange-brown clay + 60% green-orange-brown weathered & oxidised basalt chips	15
3	4	Orange-brown clay + 50% green-orange-brown weathered & oxidised basalt chips	50
4	5	Orange-green-brown clay + approx. 5% weathered rock chips	20
5	6	Orange-brown plastic clay + approx. 5% weathered rock chips	80
6	7	Moderately oxidised, fine-grained basalt + 10% orange-brown clay	100
7	8	Moderately oxidised, green-brown & orange-brown fine-grained basalt chips	100
8	9	Moderately oxidised, green-black & orange-brown fine-grained basalt chips	150
9	10	Green-black, weakly oxidised, fine-grained Tertiary basalt chips	400

Rangott I	Mineral Explo	ration Pty Ltd PERCU	SSION DRILL LOG	for	Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 OF 1	COLLAR CO-ORDS:	709115mE 63014	56mN GDA94	
PROJECT:	Lyndon Quarry		AZIMUTH:	-	Date Drilled: 1/8/1	2
HOLE No:	GUY041	LOGGED BY: AE	DECLINATION:	-90		
DE	PTH (m)		DESCRIPTION OF RETU	RNS		K (mag. susc.
FROM	то		DESCRIPTION OF RETU			x 10 ⁻⁵ SI units
0	1	Dark orange-brown clay (50%) + fresh & oxidis	ed green-black, fine-grained Te	rtiary basalt chips		
1	2	Green-black & orange-brown (weakly to moder	ately oxidised) fine-grained bas	alt chips		
2	3	Slightly oxidised, green-black, fine-grained base	alt chips			
3	4	Fresh, green-black, fine-grained basalt				
4	5	Fresh, green-black, fine-grained basalt				
5	6	Fresh, green-black, fine-grained basalt				
6	7	Fresh, green-black, fine-grained basalt				
7	8	Fresh, green-black, fine-grained basalt				
8	9	Fresh, green-black, fine-grained basalt				
9	10	Fresh, green-black, fine-grained basalt				
10	11	Fresh, green-black, fine-grained basalt				
11	12	Fresh, green-black, fine-grained basalt				
12	13	Fresh, green-black, fine-grained basalt				
13	14	Fresh, green-black, fine-grained basalt				
14	15	Fresh, green-black, fine-grained Tertiary basalt				

Rangott M	Mineral Explo	oration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 COLLAR CO-ORDS: 709145mE 6301456mN GDA94	
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 1/8/	12
HOLE No:	GUY043	LOGGED BY: AE DECLINATION: -90	
DEI	PTH (m)	DESCRIPTION OF RETURNS	K (mag. susc.
FROM	то		x 10 ⁻⁵ SI units
0	1	Orange-brown clay + 20% orange-brown weathered & oxidised rock chips	200
1	2	40% orange-brown clay + light green & orange-brown weathered & oxidised basalt chips.	120
2	3	40% orange-brown clay + light green & orange-brown fine-grained, strongly weathered & oxidised basalt chips.	50
3	4	40% orange-brown clay + light green & orange-brown fine-grained, strongly weathered & oxidised basalt chips.	0
4	5	60% orange-brown plastic clay + green-brown & orange-brown oxidised basalt chips.	100
5	6	35% orange-brown clay + strongly weathered & oxidised basalt chips.	40
6	7	20% orange-brown clay + green-black & orange-brown, weakly oxidised, fine-grained basalt chips.	50
7	8	Weakly oxidised green-black, fine-grained Tertiary basalt chips.	100
8	9	Weakly oxidised green-black, fine-grained Tertiary basalt chips.	80
9	10	Weakly oxidised green-black, fine-grained Tertiary basalt chips.	200
10	11	Moderately oxidised green-black & orange-brown, fine-grained Tertiary basalt chips.	300
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Rangott Mi	ineral Explo	ration Pty Ltd PERCUS	SSION DRILL LOG	for Hanson Construction Materials	
SITE: E	East Guyong	SHEET 1 OF 1	COLLAR CO-ORDS: 709114	4mE 6301485mN GDA94	
PROJECT: L	Lyndon Quarry		AZIMUTH: -	Date Drilled: 1/8	3/12
HOLE No: (GUY044	LOGGED BY: AE	DECLINATION: -90		
DEPT	TH (m)				K (mag. susc.
FROM	то		DESCRIPTION OF RETURNS		x 10 ⁻⁵ SI units
0	1	Orange-brown clay (60%) + fresh, oxidised & ve	ry weathered basalt chips		100
1	2	Orange-brown clay (10%) + moderately oxidisec	l, orange-brown & green-black basalt	chips.	100
2	3	Weakly oxidised green-black, fine-grained Tertia	ary basalt chips.		150
3	4	Fresh, green-black, fine-grained basalt.			200
4	5	Slightly oxidised, green-grey-black, fine-grained	basalt		200
5	6	Slightly oxidised, green-grey-black, fine-grained	basalt		200
6	7	Fresh, green-grey-black, fine-grained basalt.			200
7	8	Fresh, green-grey-black, fine-grained basalt.			200
8	9	Fresh, green-grey-black, fine-grained basalt.			100
9	10	Fresh, green-grey-black, fine-grained basalt.			100
10	11	Fresh, green-grey-black, fine-grained basalt.			100
11	12	Fresh, green-grey-black, fine-grained basalt. Ra	re nepheline? phenocrysts to 2mm		400
12	13	Fresh, green-grey-black, fine-grained basalt.			300
13	14	Fresh, green-grey-black, fine-grained basalt. Ra	re translucent phenocrysts to 2mm		400
14	15	Fresh, green-grey-black, fine-grained basalt.			350
15	16	Fresh, green-grey-black, fine-grained Tertiary ba	asalt with rare nepheline? phenocryst	s to 2mm	400

Rangott M	lineral Explo	ration Pty Ltd PERCU	SSION DRILL LOG	for Hanson Construction Materials	
SITE:	East Guyong	SHEET 1 OF 1	COLLAR CO-ORDS: 709133m	E 6301486mN GDA94	
PROJECT:	Lyndon Quarry		AZIMUTH:	Date Drilled: 30/7	7/12
HOLE No:	GUY045	LOGGED BY: AE	DECLINATION: -90		
DEF	PTH (m)		DESCRIPTION OF RETURNS		K (mag. susc.
FROM	то				x 10 ⁻⁵ SI units
0	1	50% orange-brown clay + strongly weathered &	oxidised green-orange-brown rock chips	5	150
1	2	60% orange-brown clay + strongly weathered &	oxidised rock chips		150
2	3	10% orange-brown clay + weakly oxidised, fine	-grained green-black Tertiary basalt chip	s	200
3	4	Weakly oxidised, fine-grained green-black basa	alt chips		300
4	5	Weakly oxidised, fine-grained green-black basa	alt chips		400
5	6	Weakly to moderately oxidised, green-black to	orange-brown fine-grained basalt chips		200
6	7	Slightly oxidised, green-black, fine-grained base	alt		400
7	8	Slightly oxidised, green-black, fine-grained base	alt		400
8	9	Weakly oxidised, green-black, fine-grained bas	alt		200
9	10	Slightly oxidised, green-black, fine-grained base	alt		300
10	11	Slightly oxidised, green-black, fine-grained base	alt		400
11	12	Slightly oxidised, green-black, fine-grained base	alt		500
12	13	Weakly oxidised, green-black, fine-grained bas	alt		500
13	14	Very slightly oxidised, green-black, fine-grained	Tertiary basalt		300
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Rangott M	Mineral Explo	ration Pty Ltd PERCUSSION DRILL LOG for Hanson Construction Materials				
SITE:	East Guyong	SHEET 1 OF 1 COLLAR CO-ORDS: 709160mE 6301486mN GDA94				
PROJECT:	Lyndon Quarry	AZIMUTH: - Date Drilled: 30/	7/12			
HOLE No:	GUY046	LOGGED BY: AE DECLINATION: -90				
DEI	PTH (m)	DESCRIPTION OF RETURNS				
FROM	то		(mag. susc. x 10 ⁻⁵ SI units			
0	1	Orange-brown clay + minor (approx.10%) strongly weathered & oxidised rock chips	300			
1	2	Orange-brown plastic clay + minor (approx.5%) weathered rock chips	220			
2	3	Green-orange-brown clay + rare (approx.1%) weathered rock chips	200			
3	4	Green-orange-brown clay + rare (approx.1%) weathered rock chips	50			
4	5	Green-orange-brown clay + minor (approx.5%) weathered rock chips	50			
5	6	Green-orange-brown clay + minor (approx.5%) weathered rock chips				
6	7	50% green-orange-brown clay + 50% green-orange-brown weathered & oxidised rock chips				
7	8	50% clay + orange-green-brown strongly weathered & oxidised basalt chips				
8	9	Moderately oxidised, fine-grained Tertiary basalt chips. Minor (approx 5%) clay	350			
9	10	Weakly oxidised, fine-grained green-black Tertiary basalt.	400			
10	11	Weakly oxidised, fine-grained green-black Tertiary basalt.	430			
L						

Rangott Mineral Exploration Pty. Ltd. ABN 36 002 563 825

for

HANSON CONSTRUCTION MATERIALS

REPORT on DRILLING PROGRAMMES

at the

PLANNED LYNDON QUARRY SITE (East Guyong, NSW)

July - August, 2012.

APPENDIX III

AEC Environmental - Mineral Identification Report no. 67722

AEC Environmental

MINERAL IDENTIFICATION REPORT No. 67722

1. INTRODUCTION

Drill chip samples were received from Max Rangott of Rangott Mineral Exploration Pty Ltd with a request for determination the presence of any asbestiform minerals. The Reference was RME/LYND/012

2. PROCEDURE

The samples were air-dried and cursorily examined using a stereomicroscope. A representative portion was pulverized a small portion examined using a polarized light microscope. Particular attention was given to particles that may be classed as asbestos fibres, using the classification of being less than 1 micrometer in width and at least 20 micrometers in length. A separate portion was analysed by X-ray diffraction to identify the minerals present.

3. RESULTS

MG BH2, 7.5-10.0m

This is a sample of green clay and off-white gravel. The amphibole present occurs as blocky and stubby elongated particles which are too coarse to be classed as asbestos-sized

MG BH3, 7.5-10.0m

This is a sample of green clay and off-white gravel. The amphibole present occurs as elongated particles, a small proportion of which are fine enough and long enough to be classed as asbestos-sized

MG BH4, 8.5-10.0m

This is a sample of brown clay. The amphibole present in low abundance occurs as elongated particles, a small proportion of which are fine enough and long enough to be classed as asbestos-sized

MG BH5, 7.5-10.0m

This is a sample of green clay and off-white gravel. The amphibole present occurs as elongated particles, a small proportion of which are fine enough and long enough to be classed as asbestos-sized

LA-50, 4.0-5.2m

This is a sample of brown sand and off-white gravel. No fibres were detected and no amphibole was detected by XRD

LA-74, 2.0-3.0m This is a sample of brown sand and off-white gravel. No fibres were detected and no amphibole was detected by XRD

LA78, 2.8-3.0m

This is a sample of pale green and brown clay. The amphibole present in low abundance occurs as elongated particles which are too coarse to be classed as asbestos-sized

TESTING OFFICER: Michael Till (Senior Mineralogist) REPORT DATE: 21 August 2012

Please note that the results contained in this report relate only to the sample(s) submitted for testing.

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APPENDIX IV

Photographs of Reference Chip Samples for Percussion and Geotechnical Holes















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APPENDIX V

Drillholes Survey Data

DRILLHOLES JULY 2012-SURVEY DETAILS (Updated 02/08/12)

Hole	Hole	East	North	Collar	Bottom of Hole	Total Depth
Туре	ID	GDA	GDA	RL	RL	(m)
Percussion	GUY028	709450.89		939.53	927.53	12.00
Percussion	GUY029	709433.28		940.06	929.06	11.00
Percussion	GUY030	709398.73		936.53	927.53	9.00
Percussion	GUY031	709386.67	6301097.91	932.99	926.99	6.00
Percussion	GUY032	709093.11		938.86	926.86	12.00
Percussion	GUY033	709113.21		936.58	926.58	10.00
Percussion	GUY034	709132.84		934.42	926.42	8.00
Percussion	GUY035	709097.10	6301399.75	941.72	926.72	15.00
Percussion	GUY036	709120.09	6301400.14	938.75	926.75	12.00
Percussion	GUY037	709139.91	6301399.94	936.00	926.00	10.00
Percussion	GUY038	709102.18	6301427.82	943.09	926.09	17.00
Percussion	GUY039	709124.14	6301428.01	939.77	926.77	13.00
Percussion	GUY040	709144.98	6301428.00	935.67	925.67	10.00
Percussion	GUY041	709115.16	6301455.62	941.55	926.55	15.00
Percussion	GUY042	709126.98	6301456.14	940.01		not drilled
Percussion	GUY043	709144.94	6301456.19	936.69	925.69	11.00
Percussion	GUY044	709114.31	6301485.48	942.18	926.18	16.00
Percussion	GUY045	709132.83	6301485.96	939.83	925.83	14.00
Percussion	GUY046	709150.06	6301486.48	936.67	925.67	11.00
Percussion	GUY047	709473.17	6300924.06	938.935		not drilled
Auger	LA41	709246.59	6301091.95	935.61	926.61	9.00
Auger	LA42	709249.61	6301106.76	933.87	925.87	8.00
Auger	LA43	709208.19	6301127.40	933.24	927.24	6.00
Auger	LA44	709221.20	6301152.75	930.31	925.31	5.00
Auger	LA45	709262.19	6301133.11	930.50	925.50	5.00
Auger	LA46	709234.47	6301129.60	931.75	925.75	6.00
Auger	LA47	709147.30	6301173.55	934.11	926.11	8.00
Auger	LA48	709109.14	6301228.84	934.85	926.85	8.00
Auger	LA49	709125.83	6301230.48	933.16	926.16	7.00
Auger	LA50	709122.68	6301252.85	932.38	927.18	5.20
Auger	LA51	709106.04	6301249.55	934.01	926.01	8.00
Auger	LA52		6301261.27	933.03	927.03	6.00
Auger	LA53	709119.67		932.03	928.93	3.10
Auger	LA54	709102.76		933.80	926.80	7.00
Auger	LA55	709113.86		932.25	926.25	6.00
Auger	LA56	709120.09		931.41	926.41	5.00
Auger	LA57	709122.89		931.48	926.48	5.00
Auger	LA58	709129.36		930.95	925.95	5.00
Auger	LA59	709130.57		931.42	926.42	5.00
Auger	LA60	709134.54		931.69	925.69	6.00
Auger	LA61	709165.05		930.61	925.61	5.00
Auger	LA62	709170.82		930.11	926.11	4.00
Auger	LA63	709171.93		929.60	925.60	4.00
Auger	LA64	709164.93		930.03	926.03	4.00
Auger	LA65	709176.04		928.43	925.43	3.00
Auger	LA66	709170.04		928.62	925.62	3.00

DRILLHOLES JULY 2012-SURVEY DETAILS (Updated 02/08/12)

Hole	Hole	East	North	Collar	Bottom of Hole	Total Depth
Туре	ID	GDA	GDA	RL	RL	(m)
Auger	LA67	709171.99	6301317.03	928.27	925.27	3.00
Auger	LA68	709177.04	6301318.03	928.08	926.08	2.00
Auger	LA69	709149.95	6301304.97	929.33	926.33	3.00
Auger	LA70	709149.88	6301292.98	929.49	925.49	4.00
Auger	LA71	709159.10	6301293.00	929.09	926.09	3.00
Auger	LA72	709163.06	6301278.05	929.02	926.02	3.00
Auger	LA73	709150.91	6301275.87	929.62	925.62	4.00
Auger	LA74	709158.06	6301270.95	929.34	926.34	3.00
Auger	LA75	709151.96	6301263.98	929.95	925.95	4.00
Auger	LA76	709164.94	6301266.03	929.14	926.14	3.00
Auger	LA77	709278.40	6301177.03	927.05	925.05	2.00
Auger	LA78	709276.72	6301172.41	927.42	924.42	3.00
Auger	LA79	709297.64	6301163.64	927.44	925.44	2.00
Auger	LA80	709293.52	6301153.51	928.10	925.10	3.00
Auger	LA81	709311.68	6301145.69	928.39	925.39	3.00
Auger	LA82	709316.27	6301155.57	927.50	925.50	2.00
Auger	LA83	709329.55	6301149.74	927.77	925.77	2.00
Auger	LA84	709332.35	6301154.78	927.48	925.48	2.00
Auger	BH01	709104.71	6301261.01	933.752	923.75	10.00
Auger	BH02	709162.19	6301272.53	928.901	918.90	10.00
Auger	BH03	709270.33	6301286.05	923.869	913.87	10.00
Auger	BH04	709198.55	6301379.25	929.193	919.19	10.00
Auger	BH05	709305.73	6301154.47	927.648	917.65	10.00
Auger	BH06	709586.80	6300375.26	935.831	933.83	2.00
Auger	BH07	709545.93	6300778.02	937.557	935.56	2.00

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July - August, 2012.

APPENDIX VI

Percussion Hole Materials Classification (M. Gear)

HOLE ID	FROM (m)	TO (m)	CLASSIFICATION
GUY028	0	1	SOIL
GUY028	1	3	RB
GUY028	3	12	AGG
GUY029	0	1	SOIL
GUY029	1	4	SUBS
GUY029	4	7	RB
GUY029	7	11	AGG
GUY030	0	1	SOIL
GUY030	1	3	SUBS
GUY030	3	5	RB
GUY030	5	9	AGG
GUY031	0	1	SOIL
GUY031	1	3	SUBS
GUY031	3	6	RB
GUY032	0	1	SOIL
GUY032	1	4	SUBS
GUY032	4	7	RB
GUY032	7	12	AGG
GUY033	0	1	SOIL
GUY033	1	5	SUBS
GUY033	5	10	RB
GUY034	0	1	SOIL
GUY034	1	6	SUBS
GUY034	6	8	RB
GUY035	0	1	SOIL
GUY035	1	3	SUBS
GUY035	3	15	AGG
GUY036	0	1	SOIL
GUY036	1	2	SUBS
GUY036	2	6	RB
GUY036	6	12	AGG

HOLE ID	FROM (m)	TO (m)	CLASSIFICATION
GUY037	0	1	SOIL
GUY037	1	7	RB
GUY037	7	10	AGG
GUY038	0	1	SOIL
GUY038	1	3	SUBS
GUY038	3	4	RB
GUY038	4	17	AGG
GUY039	0	1	SOIL
GUY039	1	13	AGG
GUY040	0	1	SOIL
GUY040	1	7	SUBS
GUY040	7	9	RB
GUY041	0	1	SOIL
GUY041	1	2	SUBS
GUY041	2	3	RB
GUY041	3	15	AGG
GUY043	0	1	SOIL
GUY043	1	6	SUBS
GUY043	6	8	RB
GUY043	8	11	AGG
GUY044	0	1	SOIL
GUY044	1	2	SUBS
GUY044	2	4	RB
GUY044	4	16	AGG
GUY045	0	1	SOIL
GUY045	1	2	SUBS
GUY045	2	4	RB
GUY045	4	14	AGG
GUY046	0	1	SOIL
GUY046	1	8	SUBS
GUY046	8	11	RB