HIGH GRADES OF REE CONFIRMED AT MAKUUTU

ORO VERDE LIMITED (ASX code: OVL)

An emerging resource company focused on defining a world-class Rare Earths project

KEY PROJECTS –
Uganda
Makuutu Rare Earths Project
Nicaragua
San Isidro Gold Project

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Key Highlights:

- **Tranche 1 drilling results show high grade nature of the Makuutu Project's rare earth mineralisation.**
- **Examples of significant intersections of high grade Total Rare Earth Oxides (TREO):**

  RRMDD004: 4.2 metres @ 1,649 ppm TREO from 5.62 metres

  RRMDD013: 2.0 metres @ 1,330 ppm TREO from 5.35 metres

  RRMDD006: 4.0 metres @ 1,298 ppm TREO from 3.50 metres
- **Examples of significant intersections greater than 9 metres and near-surface include:**

  RRMDD001: 15.0 metres @ 1,005 ppm TREO from 5.10 metres

  RRMDD003: 9.3 metres @ 1,144 ppm TREO from 2.87 metres

  RRMDD012: 17.2 metres @ 912 ppm TREO from 2.22 metres

  RRMDD015: 9.7 metres @ 1,108 ppm TREO from 3.70 metres
- **These grades exceeded expectations and together with wide intersections are positive for the potential economics of the project.**

Oro Verde Limited (ASX: OVL) ("Oro Verde" or "the Company") is pleased to provide drilling assay results for the first 16 holes from the 45-hole drilling program recently completed at the Makuutu Rare Earth Elements (REE) project.

Commenting on the completion of the drilling program and ensuing work, Oro Verde Executive Director Dr Marc Steffens said:

"These excellent results that show both high rare earth grades and also thick intersections of rare earth mineralisation, in conjunction with the ongoing metallurgical testing program, may provide upside in evaluation for an optimal mining and processing scenario for the project. Further, preliminary analysis of the data indicates that the combination of valuable rare earths used for magnets (Nd and Pr) and heavy rare earths total approximately 45% of the Rare Earth basket. We anticipate that upon receiving metallurgical testing results we will be able to demonstrate an enhanced recovered Rare Earth basket".

Project Overview

The Makuutu project, located in Uganda is significant in size and is understood to be potentially one of the largest ionic clay deposits outside of China. Over 46 diamond core holes and 100 RAB holes have now been drilled into the mineralisation with the Company working toward validating its previously announced exploration target of (ASX: 4 September 2019):

270 - 530 million tonnes grading 0.04 – 0.1% TREO*.

*This Exploration Target is conceptual in nature but is based on reasonable grounds and assumptions. There has been insufficient exploration to estimate a Mineral Resource and it is uncertain if further exploration will result in the estimation of a Mineral Resource

The Company has acquired a 20% interest in the project and may acquire up to a further 40% interest via an "earn-in" process through the expenditure of funds, bringing its total potential interest in the project to 60%.

Drilling Program

The recently completed drilling program was designed to provide core drilling samples to allow for metallurgical testwork and data for resource estimation. The drilling program consisted of 41 core holes and 3 window sampler holes in tenement RL 1693 to aid in resource definition, and 4 core holes in tenement EL 1766 to test for rare earth mineralisation potential.

The locations of the holes drilled in this program are illustrated in Figure 1. The holes in tenement RL 1693 were generally drilled in a 400-metre spacing and between existing RAB drilling holes to allow for a greater spatial coverage and complimentary data; in a few areas holes were drilled closer to allow for geostatistical analysis and resulting insights to requirements for the following drill program. The holes in tenement EL 1766 were drilled in areas of radiometric anomalies with potential for clay-hosted rare earth mineralisation.

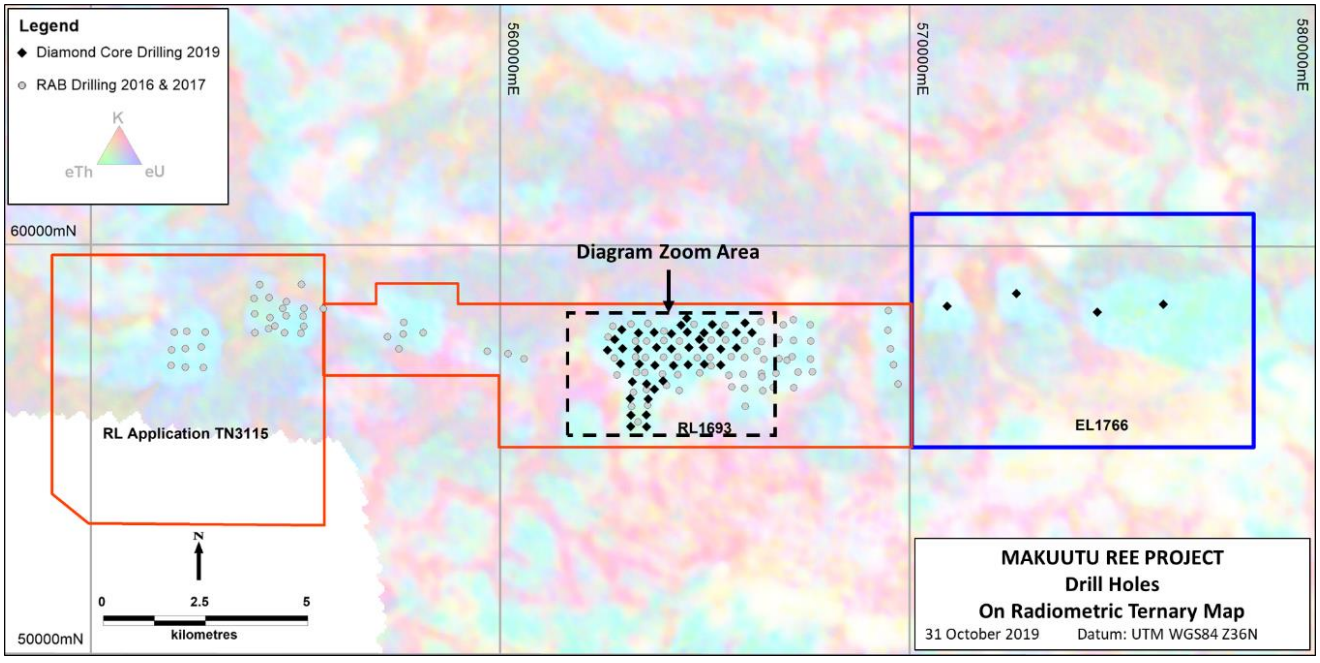

Figure 1. Makuutu REE Project Exploration Target Areas on Ternary Radiometric Base. Grey markings indicate RAB drill holes (2016 & 2017) and black markings indicate 2019 core drill holes.

Drilling Results

To date results have been received from holes RRMDD001 to RRMDD016. The results include all the clay intervals and some of the laterite and sediment intervals, which are stratigraphically above and below the clay, from these holes. Samples from the remaining intervals in these holes and the other 30 holes from the program are currently being analysed at a laboratory in Perth. Pleasingly, all drill holes results received to date have returned Rare Earth intersections greater than 500 ppm Total Rare Earth Oxides (TREO) within the clay zone. The locations of these holes are shown in Figure 3. Details of the core drill holes are provided in Appendix 1 and full core assay details for the results received to date are contained in Appendix 2 of this announcement.

Drill intersections containing significant near surface grades and thicknesses of clay hosted Rare Earth mineralisation include:

RRMDD001: 15.0 metres @ 1,005 ppm TREO from 5.10 metres

RRMDD003: 9.3 metres @ 1,144 ppm TREO from 2.87 metres

RRMDD004: 4.2 metres @ 1,649 ppm TREO from 5.62 metres

RRMDD005: 9.0 metres @ 821 ppm TREO from 7.40 metres

RRMDD006: 4.0 metres@ 1,298 ppm TREO from 3.50 metres

RRMDD010: 8.2 metres @ 1,028 ppm TREO from 3.87 metres

RRMDD012: 17.2 metres @ 912 ppm TREO from 2.22 metres

RRMDD013: 2.0 metres @ 1,330 ppm TREO from 5.35 metres

RRMDD015: 9.7 metres @ 1,108 ppm TREO from 3.70 metres

RRMDD016: 8.1 metres @ 1,199 ppm TREO from 2.50 metres

Figure 2 shows a simplified geology cross section of the initial drill results. The drilling has supported the geological model of the project as ionic clay style mineralisation that is hosted in the near surface tropical lateritic weathered sediments. The weathered profile is typically comprised of a surface laterite caprock, underlain by clays grading to saprock with fresh sediments at the base. The caprock is variably overlain by recent alluvial soils, up to 1 m thick. All the weathered components host REO mineralisation.

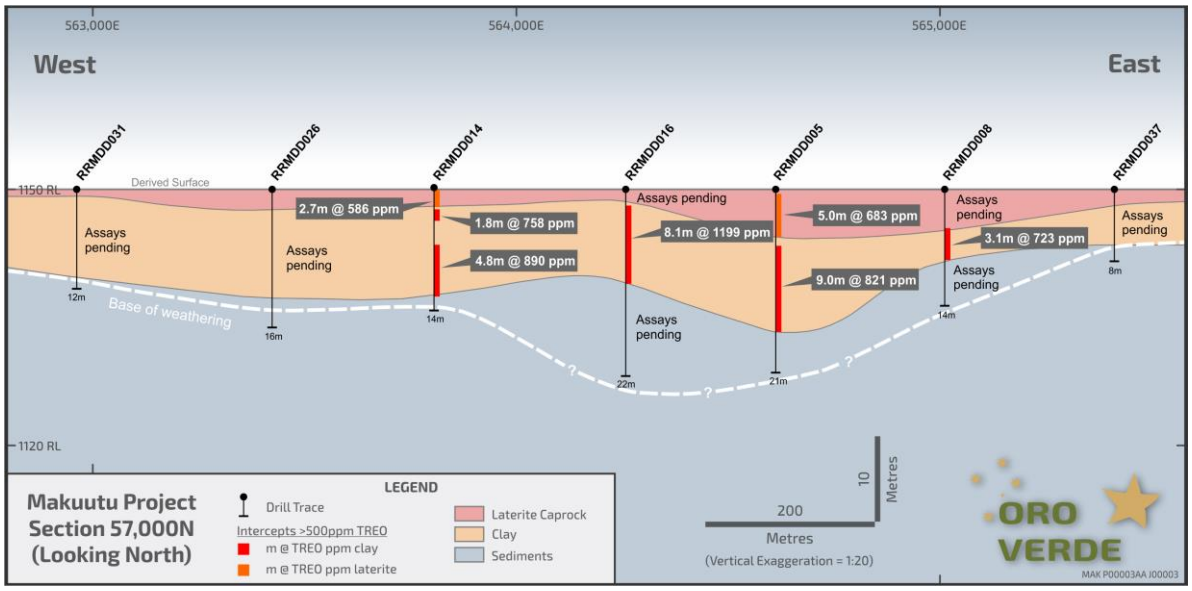

Figure 3. Makuutu REE Project; Cross Section of Simplified Geology and Initial Drill Results[1]

[1] The surface level is shown as fixed level of 1150m as accurate collar elevation data is pending. Elevation change from west to east is approximately -30 metres.

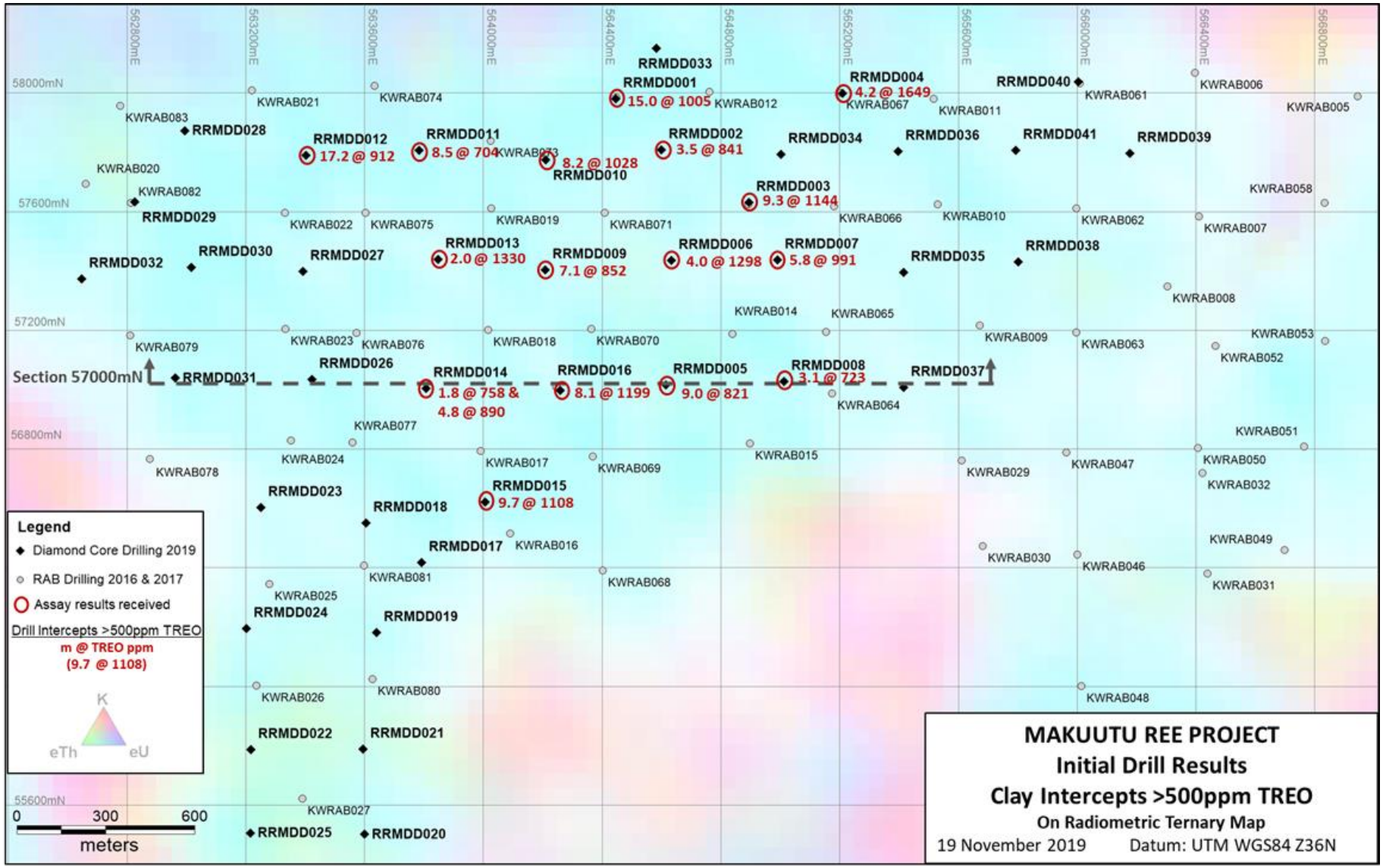

Figure 3. Makuutu Project; Plan of All Drill Holes With Initial Clay Intercept Drill Results (Red).

Addendums

Appendix 1: Makuutu Project RRMDD Diamond Core Hole Details

Appendix 2: Diamond Core Drilling Analytical Results RRMDD001 to RRMDD016 Including Significant Intersections >500 ppm TREO

JORC Code, 2012 Edition – Table 1 Report.

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Competent Persons Statement

The information in this Report that relates to Exploration Results for the Makuutu Project is based on information compiled by Mr. Geoff Chapman, who is a Fellow of the Australian Institute of Mining and Metallurgy (AusIMM). Mr. Chapman is a Director of geological consultancy GJ Exploration Pty Ltd that is engaged by Oro Verde Limited. Mr. Chapman has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr. Chapman consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Appendix 1: Makuutu Project RRMDD Diamond Core Hole Details (Datum UTM WGS84 Zone 36N)

Drill Hole ID	UTM East (m.)	UTM North (m.)	Elevation[2] (m.a.s.l.)	Drill Type	Hole Length EOH (m.)	Azimuth	Inclination
RRMDD001	564446	57981	1067	DD	21.60	0	-90
RRMDD002	564599	57809	1154	DD	15.40	0	-90
RRMDD003	564894	57632	1157	DD	15.60	0	-90
RRMDD004	565209	57999	1145	DD	15.60	0	-90
RRMDD005	564614	57016	1155	DD	21.40	0	-90
RRMDD006	564633	57436	1160	DD	20.10	0	-90
RRMDD007	564991	57437	1160	DD	11.60	0	-90
RRMDD008	565013	57028	1175	DD	13.60	0	-90
RRMDD009	564208	57404	1176	DD	30.10	0	-90
RRMDD010	564210	57775	1156	DD	14.50	0	-90
RRMDD011	563784	57807	1106	DD	29.70	0	-90
RRMDD012	563403	57790	1168	DD	19.40	0	-90
RRMDD013	563848	57440	1178	DD	16.10	0	-90
RRMDD014	563807	57005	1168	DD	14.10	0	-90
RRMDD015	564006	56622	1176	DD	14.20	0	-90
RRMDD016	564259	56997	1164	DD	21.69	0	-90
RRMDD017	563792	56417	1158	DD	20.00	0	-90
RRMDD018	563605	56551	1152	DD	13.80	0	-90
RRMDD019	563640	56181	1158	DD	14.30	0	-90
RRMDD020	563600	55502	1153	DD	21.60	0	-90
RRMDD021	563594	55789	1147	DD	18.10	0	-90
RRMDD022	563218	55787	1153	DD	17.60	0	-90
RRMDD023	563251	56603	1155	DD	23.60	0	-90
RRMDD024	563202	56195	1137	DD	15.00	0	-90
RRMDD025	563216	55506	1141	DD	11.60	0	-90
RRMDD026	563423	57034	1125	DD	16.10	0	-90
RRMDD027	563393	57399	1107	DD	14.10	0	-90
RRMDD028	562994	57873	1140	DD	17.90	0	-90
RRMDD029	562826	57633	1149	DD	15.00	0	-90
RRMDD030	563017	57413	1165	DD	18.50	0	-90
RRMDD031	562963	57039	1155	DD	11.60	0	-90
RRMDD032	562648	57374	1146	DD	14.50	0	-90
RRMDD033	564583	58151	1132	DD	17.00	0	-90
RRMDD034	565002	57794	1144	DD	12.50	0	-90
RRMDD035	565415	57395	1164	DD	12.50	0	-90
RRMDD036	565397	57803	1161	DD	15.00	0	-90
RRMDD037	565416	57007	1122	DD	8.30	0	-90
RRMDD038	565802	57430	1129	DD	19.00	0	-90
RRMDD039	566178	57796	1125	DD	9.50	0	-90
RRMDD040	566004	58037	1213	DD	16.50	0	-90
RRMDD041	565793	57807	1142	DD	13.20	0	-90
RRMDD042	572636	58752	1106	DD	11.20	0	-90
RRMDD043	574615	58301	1125	DD	12.50	0	-90
RRMDD044	576391	58482	1145	DD	15.00	0	-90
RRMDD045	577588	58310	1147	DD	18.50	0	-90

[2] Elevation is not considered accurate. Recorded with hand held GPS. Accurate collar survey data is pending.

Appendix 2: Diamond Core Drilling Analytical Results RRMDD001 to RRMDD016 Including Significant Intersections >500 ppm TREO (green highlight clay intercepts, blue highlight sediment intercepts, grey highlight results pending)

																				>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD001	0.00	0.15	0.15	265.9	137.8	23.3	74.1	12.5	2.1	9.9	1.5	8.8	1.9	5.4	0.8	5.6	0.8	54.2	605	Soil		
RRMDD001	0.15	1.15	1.00	648.9	171.2	27.0	78.6	11.8	2.0	8.4	1.3	7.2	1.5	4.2	0.6	4.6	0.7	37.5	1005	Laterite		
RRMDD001	1.15	2.15	1.00	516.5	136.6	21.8	65.8	11.1	1.7	8.1	1.3	7.6	1.6	4.6	0.7	5.0	0.7	38.1	821	Laterite		
RRMDD001	2.15	3.15	1.00	931.2	198.8	30.4	89.2	13.9	2.4	9.8	1.6	8.5	1.7	5.1	0.7	5.5	0.8	46.5	1346	Laterite		
RRMDD001	3.15	4.15	1.00	927.7	156.0	24.8	74.6	11.7	2.1	8.6	1.4	7.4	1.5	4.3	0.7	4.5	0.6	39.9	1266	Laterite		
RRMDD001	4.15	5.10	0.95	556.4	175.3	27.4	81.5	12.6	2.2	8.9	1.4	7.8	1.6	4.4	0.7	4.8	0.7	40.4	926	Laterite	**5.1**	**1061**
RRMDD001	5.10	5.30	0.20	472.0	128.4	19.5	58.8	8.9	1.6	6.5	1.1	6.8	1.4	4.2	0.7	4.5	0.7	36.7	752	Clay		
RRMDD001	5.30	5.54	0.24	120.1	85.4	13.7	42.7	6.5	1.2	5.4	0.9	5.6	1.2	3.7	0.6	4.0	0.6	33.9	325	Clay		
RRMDD001	5.54	6.04	0.50	310.4	52.8	10.2	35.3	6.5	1.2	5.9	1.0	6.4	1.3	4.0	0.6	4.0	0.6	36.3	477	Clay		
RRMDD001	6.04	6.38	0.34	748.5	91.8	22.3	76.0	13.9	2.5	9.7	1.7	9.4	1.9	5.4	0.8	5.1	0.7	46.5	1036	Clay		
RRMDD001	6.38	6.60	0.22	584.5	235.7	62.8	213.5	36.1	6.0	20.7	2.7	12.7	2.2	5.4	0.7	4.2	0.6	53.3	1241	Clay		
RRMDD001	6.60	7.10	0.50	932.4	209.9	60.5	206.5	36.4	6.0	22.0	3.2	16.5	3.0	7.9	1.1	6.9	0.9	75.7	1589	Clay		
RRMDD001	7.10	7.60	0.50	268.2	214.6	62.7	214.0	35.6	5.9	21.7	2.8	13.6	2.4	5.8	0.9	5.0	0.7	59.1	913	Clay		
RRMDD001	7.60	7.87	0.27	217.3	222.8	65.4	228.6	38.6	6.4	23.7	3.0	14.8	2.5	6.3	0.8	5.0	0.7	61.8	898	Clay		
RRMDD001	7.87	8.37	0.50	236.6	217.6	63.4	223.4	39.4	6.6	24.3	3.1	15.0	2.5	6.3	0.8	5.3	0.7	62.6	908	Clay		
RRMDD001	8.37	8.87	0.50	213.8	193.5	53.4	183.1	31.8	5.2	19.5	2.6	12.8	2.4	5.8	0.8	4.9	0.7	58.7	789	Clay		
RRMDD001	8.87	9.37	0.50	220.2	205.8	54.9	190.1	32.9	5.6	20.5	2.7	13.7	2.5	6.2	0.8	5.3	0.7	60.8	823	Clay		
RRMDD001	9.37	9.85	0.48	274.1	266.2	69.5	241.4	42.0	7.0	25.0	3.3	16.8	2.9	7.1	1.0	5.8	0.8	71.2	1034	Clay		
RRMDD001	9.85	10.06	0.21	326.8	321.3	85.3	297.4	51.8	8.6	31.4	4.1	20.5	3.5	8.7	1.1	6.6	0.9	88.6	1257	Clay		
RRMDD001	10.06	10.27	0.21	299.9	435.1	115.7	412.9	71.8	12.0	45.6	6.0	30.5	5.2	12.3	1.6	8.8	1.2	128.3	1587	Clay		
RRMDD001	10.27	10.77	0.50	274.1	296.7	77.8	272.9	47.3	7.7	28.4	3.8	18.8	3.2	7.9	1.1	6.1	0.9	82.3	1129	Clay		
RRMDD001	10.77	11.24	0.47	296.3	404.6	103.9	369.7	64.1	10.3	39.0	5.2	26.9	4.7	11.6	1.6	8.9	1.2	121.7	1470	Clay		
RRMDD001	11.24	11.67	0.43	326.8	631.0	153.3	565.7	97.5	16.7	67.2	8.7	43.7	7.5	18.5	2.4	12.9	1.8	197.5	2151	Clay		
RRMDD001	11.67	12.17	0.50	302.2	592.3	120.5	459.6	80.9	14.8	69.4	9.7	52.8	10.2	26.5	3.5	19.6	2.8	306.0	2071	Clay		
RRMDD001	12.17	12.60	0.43	303.4	520.7	121.1	452.6	77.7	13.4	56.6	7.6	39.4	7.3	17.9	2.4	13.3	1.9	200.0	1835	Clay		
RRMDD001	12.60	13.10	0.50	299.9	466.8	91.6	349.9	61.3	11.5	54.2	7.3	38.7	7.6	19.3	2.5	13.9	2.0	221.0	1647	Clay		
RRMDD001	13.10	13.25	0.15	323.3	470.3	84.0	327.8	56.9	10.8	52.8	7.3	39.5	7.8	20.2	2.6	14.6	2.1	245.7	1666	Clay		
RRMDD001	13.25	13.75	0.50	268.2	295.5	56.5	215.2	37.0	6.9	32.5	4.5	25.6	5.2	13.6	1.9	10.4	1.6	165.1	1140	Clay		
RRMDD001	13.75	14.12	0.37	235.4	389.4	76.5	295.1	52.2	9.7	47.0	6.5	35.8	7.1	18.6	2.5	14.1	2.0	219.1	1411	Clay		
RRMDD001	14.12	14.62	0.50	223.1	258.0	49.5	190.7	32.9	6.3	30.1	4.3	24.6	5.0	13.4	1.8	10.2	1.6	174.6	1026	Clay		
RRMDD001	14.62	15.12	0.50	262.4	187.6	38.9	147.0	26.1	4.8	21.7	2.9	16.5	3.3	8.9	1.2	6.6	1.0	116.2	845	Clay		
RRMDD001	15.12	15.60	0.48	244.8	140.1	29.7	108.4	19.2	3.5	15.7	2.3	13.5	2.8	7.5	1.0	5.8	0.9	101.7	697	Clay		
RRMDD001	15.60	15.73	0.13	227.2	175.9	37.1	138.2	23.8	4.6	20.5	2.9	17.0	3.5	9.2	1.3	7.1	1.1	124.3	794	Clay		
RRMDD001	15.73	16.23	0.50	224.9	156.6	31.1	115.2	19.8	3.7	16.9	2.3	12.7	2.6	7.1	0.9	5.5	0.8	88.6	689	Clay		
RRMDD001	16.23	16.73	0.50	221.4	154.2	31.1	116.2	20.1	3.9	16.7	2.2	11.8	2.4	6.1	0.8	4.7	0.7	74.9	667	Clay		
RRMDD001	16.73	17.10	0.37	207.9	153.6	30.4	112.8	19.6	3.7	15.8	2.1	10.4	2.1	5.4	0.7	4.4	0.7	61.2	631	Clay		
RRMDD001	17.10	17.60	0.50	207.9	144.8	28.4	104.3	17.3	3.4	14.3	1.8	9.4	1.8	4.7	0.7	4.2	0.6	56.0	600	Clay		

																				>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD001	17.60	18.10	0.50	218.4	173.0	32.8	123.6	21.8	4.3	21.1	2.9	16.2	3.0	8.3	1.2	7.0	1.0	95.9	731	Siltstone/Clay		
RRMDD001	18.10	18.60	0.50	134.7	104.3	20.0	75.2	13.6	2.8	13.9	2.1	12.6	2.7	7.8	1.2	7.5	1.1	95.2	495	Clay		
RRMDD001	18.60	19.10	0.50	102.3	54.5	10.7	40.0	7.6	1.6	9.0	1.6	12.2	3.0	9.8	1.5	9.3	1.4	121.9	387	Sandstone/Clay		
RRMDD001	19.10	19.40	0.30	186.2	86.0	19.8	72.1	13.2	2.7	10.5	1.6	9.0	1.9	5.9	0.9	5.7	0.9	66.3	483	Clay		
RRMDD001	19.40	19.68	0.28	249.5	117.9	26.0	94.5	16.8	3.2	12.4	1.7	9.7	1.9	4.9	0.7	4.4	0.7	58.5	603	Clay		
RRMDD001	19.68	20.10	0.42	233.1	122.0	26.2	91.4	15.8	3.1	13.0	1.9	10.9	2.2	6.4	0.9	5.5	0.8	75.1	608	Clay	**15.0**	**1005**
RRMDD001	20.10	20.60	0.50	204.4	113.9	24.8	86.1	15.0	2.8	11.5	1.6	9.0	1.8	4.8	0.8	4.5	0.7	57.9	539	Siltstone	**0.5**	**539**
RRMDD001	20.60	20.84	0.24	177.5	99.0	21.0	72.4	11.9	2.2	8.7	1.2	6.4	1.3	3.4	0.5	3.3	0.5	41.7	451	Siltstone		
RRMDD001	20.84	21.20	0.36	92.4	52.3	11.2	38.0	6.0	1.2	4.8	0.7	4.1	0.8	2.5	0.4	2.7	0.4	28.3	246	Siltstone		
RRMDD001	21.20	21.60	0.40	181.0	95.3	20.4	71.6	11.6	2.1	8.7	1.2	7.1	1.3	3.8	0.6	3.5	0.5	41.9	451	Siltstone		
RRMDD002	0.00	0.18	0.18	296.3	122.6	23.2	77.1	13.9	2.4	12.1	1.9	10.9	2.2	6.6	1.0	6.6	0.9	67.2	645	Soil		
RRMDD002	0.18	1.18	1.00	538.8	170.1	30.2	93.4	13.5	2.1	8.7	1.4	7.5	1.5	4.2	0.7	4.9	0.7	40.9	919	Laterite		
RRMDD002	1.18	3.18	2.00	897.2	194.7	34.4	105.2	15.8	2.3	10.1	1.5	8.9	1.7	5.2	0.8	5.5	0.8	47.6	1332	Laterite		
RRMDD002	2.18	2.18	0.00	593.8	149.5	26.7	83.5	13.2	2.2	9.7	1.5	8.3	1.8	5.0	0.8	5.4	0.8	44.3	946	Laterite		
RRMDD002	3.18	4.18	1.00	510.7	139.6	24.9	78.7	12.4	2.1	8.9	1.4	7.9	1.6	4.7	0.7	4.9	0.7	41.9	841	Laterite		
RRMDD002	4.18	5.18	1.00	506.0	157.2	27.9	86.4	13.4	2.2	9.7	1.5	8.1	1.7	5.2	0.7	5.5	0.8	45.2	871	Laterite		
RRMDD002	5.18	6.18	1.00	605.6	147.8	26.2	82.3	13.3	2.2	9.1	1.5	8.4	1.6	4.8	0.7	5.4	0.7	43.6	953	Laterite		
RRMDD002	6.18	7.05	0.87	637.2	173.0	31.2	99.1	15.8	2.6	10.7	1.6	9.4	1.9	5.4	0.9	5.9	0.8	49.3	1045	Laterite		
RRMDD002	7.05	7.92	0.87	296.3	116.8	19.7	61.9	9.9	1.8	7.8	1.3	7.2	1.5	4.6	0.7	5.2	0.8	44.8	580	Laterite		
RRMDD002	7.92	8.25	0.33	645.4	103.1	17.0	52.8	9.1	1.4	6.9	1.2	6.7	1.4	4.3	0.7	4.9	0.7	42.4	898	Laterite		
RRMDD002	8.25	8.90	0.65	2869.7	131.4	27.0	90.7	17.8	2.9	13.8	2.5	13.1	2.8	7.9	1.2	8.2	1.1	65.8	3256	Laterite		
RRMDD002	8.90	9.35	0.45	989.7	139.0	25.3	80.4	13.7	2.2	10.3	1.6	9.9	2.0	5.8	0.9	6.1	0.9	50.9	1339	Laterite	**9.4**	**1154**
RRMDD002	9.35	10.24	0.89	180.4	110.6	26.8	99.1	17.9	3.5	15.1	2.3	13.8	2.9	7.9	1.2	7.5	1.1	95.1	585	Clay		
RRMDD002	10.24	10.72	0.48	167.5	112.1	32.7	124.8	24.0	4.5	19.0	2.8	15.8	3.1	8.6	1.3	7.7	1.2	94.2	619	Clay/Siltstone		
RRMDD002	10.72	11.00	0.28	149.3	93.8	24.5	97.0	21.1	4.6	22.6	3.5	21.5	4.3	12.0	1.7	10.8	1.6	130.8	599	Clay		
RRMDD002	11.00	12.00	1.00	160.5	116.6	37.2	164.5	42.0	9.0	44.4	7.3	44.5	9.0	24.6	3.5	21.2	3.1	261.6	949	Clay		
RRMDD002	12.00	12.80	0.80	201.5	178.3	69.0	288.1	58.2	11.2	51.4	7.7	43.4	8.5	22.2	3.1	18.1	2.6	243.2	1207	Clay/Siltstone	**3.5**	**841**
RRMDD002	12.80	13.60	0.80	198.5	160.7	54.4	236.8	50.7	11.0	60.6	9.2	56.5	12.0	33.3	4.7	27.1	4.2	392.4	1312	Shale		
RRMDD002	13.60	14.50	0.90	180.4	150.1	38.6	158.0	27.6	5.7	35.3	4.9	29.0	6.7	19.7	2.6	14.2	2.3	308.6	984	Shale	**1.7**	**1138**
RRMDD002	14.50	15.40	0.90																		**Not sampled**	
RRMDD003	0.00	0.28	0.28	205.6	129.0	23.8	78.4	13.9	2.5	12.6	1.9	11.0	2.3	6.8	1.0	6.6	1.0	69.6	566	Soil		
RRMDD003	0.28	1.28	1.00	876.1	148.9	24.1	72.4	11.3	1.9	8.1	1.2	6.9	1.4	4.1	0.6	4.3	0.6	36.6	1199	Laterite		
RRMDD003	1.28	1.95	0.67	912.4	90.4	16.8	56.7	10.0	1.7	8.4	1.4	7.4	1.6	4.7	0.8	5.3	0.8	45.7	1164	Laterite		
RRMDD003	1.95	2.37	0.42	558.7	79.5	15.2	51.2	9.6	1.6	7.7	1.2	7.1	1.6	4.6	0.7	5.3	0.7	42.7	787	Laterite	**2.4**	**1041**
RRMDD003	2.37	2.87	0.50	67.0	52.5	10.1	34.5	6.0	1.2	5.2	0.9	5.3	1.2	3.6	0.6	4.3	0.7	36.8	230	Clay		
RRMDD003	2.87	3.17	0.30	202.6	154.8	20.5	56.1	8.8	1.7	6.7	1.1	6.9	1.5	4.4	0.8	5.2	0.8	41.1	513	Clay		
RRMDD003	3.17	3.67	0.50	303.4	74.4	13.0	43.2	7.9	1.5	6.8	1.2	7.7	1.7	5.2	0.8	5.8	0.9	49.7	523	Clay		
RRMDD003	3.67	4.17	0.50	84.5	53.9	14.2	53.3	10.1	1.8	9.2	1.4	9.2	2.0	6.0	1.0	6.1	0.9	69.7	323	Clay		
RRMDD003	4.17	4.67	0.50	113.5	73.8	19.3	71.6	13.5	2.5	11.2	1.7	10.6	2.3	6.6	1.1	6.5	1.0	75.4	411	Clay		
RRMDD003	4.67	5.67	1.00	298.7	279.1	57.7	201.8	35.4	6.6	28.1	4.1	23.4	4.7	13.0	1.9	11.1	1.7	157.5	1125	Clay		
RRMDD003	5.17	5.67	0.50	181.6	122.6	33.5	122.5	23.0	4.3	19.0	2.8	16.5	3.4	9.9	1.5	9.3	1.3	110.6	661	Clay		
RRMDD003	5.67	6.17	0.50	442.8	340.1	95.7	349.9	67.1	11.9	46.8	6.9	36.4	6.7	17.6	2.5	14.7	2.0	186.7	1628	Clay		

																				>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD003	6.17	6.45	0.28	810.5	851.5	234.1	838.6	150.2	25.6	102.9	14.8	74.3	13.4	34.5	4.9	28.8	3.9	364.5	3552	Clay		
RRMDD003	6.45	6.95	0.50	516.5	608.7	121.1	436.2	68.2	11.5	46.6	6.4	31.1	5.7	14.7	2.1	12.9	1.8	166.4	2050	Clay		
RRMDD003	6.95	7.35	0.40	283.5	236.9	55.5	216.4	36.8	6.7	29.6	4.4	22.9	4.5	12.9	1.9	11.6	1.7	145.4	1071	Clay		
RRMDD003	7.35	8.35	1.00	143.5	92.8	24.9	101.9	18.3	3.4	16.3	2.4	13.6	2.8	8.3	1.3	7.7	1.2	91.8	530	Clay		
RRMDD003	7.85	8.35	0.50	165.2	91.9	28.7	122.5	22.6	4.6	22.5	3.4	19.0	4.0	12.0	1.7	10.6	1.6	144.1	654	Clay		
RRMDD003	8.35	8.65	0.30	261.2	155.4	51.5	219.3	40.4	7.2	30.1	4.2	21.1	4.0	10.8	1.6	9.4	1.4	121.5	939	Clay		
RRMDD003	8.65	9.15	0.50	459.1	217.0	108.1	587.9	169.9	42.0	260.5	46.2	285.8	62.0	176.7	25.2	149.2	21.2	1822.3	4433	Clay		
RRMDD003	9.15	9.65	0.50	673.5	156.6	55.4	244.9	50.0	9.8	47.4	7.2	39.9	8.1	22.1	3.3	19.5	2.8	256.5	1597	Clay		
RRMDD003	9.65	10.15	0.50	265.9	125.5	39.0	166.8	32.4	6.1	28.8	4.3	23.5	4.7	12.9	1.9	12.0	1.8	140.3	866	Clay		
RRMDD003	10.15	10.65	0.50	155.2	89.8	23.4	96.8	19.0	4.0	21.2	3.3	19.5	4.1	12.1	1.8	11.2	1.7	132.7	596	Clay		
RRMDD003	10.65	11.15	0.50	168.7	104.5	29.1	131.2	28.9	6.4	34.5	5.4	31.7	6.5	18.5	2.8	16.8	2.4	214.0	801	Siltstone/Clay		
RRMDD003	11.15	11.65	0.50	157.0	94.6	26.6	119.6	26.0	5.9	32.7	5.2	31.1	6.5	18.4	2.8	16.7	2.4	216.5	762	Siltstone/Clay		
RRMDD003	11.65	12.15	0.50	145.8	92.3	19.7	81.6	15.1	3.2	17.4	2.6	14.9	3.5	9.9	1.5	9.1	1.4	146.0	564	Siltstone/Clay	**9.3**	**1144**
RRMDD003	12.15	13.15	1.00	139.4	74.1	15.9	62.5	11.0	2.2	10.1	1.4	8.3	1.9	5.4	0.8	5.1	0.8	77.8	417	Shale		
RRMDD003	13.15	14.15	1.00	118.9	60.2	13.5	50.0	9.5	1.8	7.5	1.2	6.7	1.4	4.5	0.8	5.4	0.9	41.9	324	Shale		
RRMDD003	14.15	15.15	1.00	116.9	59.5	13.1	48.6	8.2	1.5	5.5	0.8	3.8	0.7	2.0	0.3	2.4	0.4	21.2	285	Shale		
RRMDD003	15.15	15.60	0.45	139.4	69.0	15.5	58.8	10.6	1.9	7.8	1.0	5.2	0.9	2.6	0.4	2.6	0.4	25.9	342	Shale		
RRMDD004	0.00	0.12	0.12	277.6	109.8	18.2	57.0	9.6	1.6	8.0	1.2	7.1	1.5	4.4	0.6	4.6	0.7	43.8	546	Soil/Laterite		
RRMDD004	0.12	1.12	1.00	1470.0	140.7	21.8	64.6	10.4	1.8	7.7	1.3	6.4	1.3	3.7	0.5	3.7	0.5	31.2	1766	Laterite		
RRMDD004	1.12	2.10	0.98	1061.2	135.5	20.8	60.8	9.6	1.8	6.9	1.1	6.2	1.2	3.5	0.5	3.6	0.5	29.8	1343	Laterite		
RRMDD004	2.10	3.38	1.28	1128.0	130.8	20.9	63.0	9.9	1.5	6.7	1.1	6.3	1.2	3.3	0.5	3.7	0.5	29.7	1407	Laterite		
RRMDD004	3.38	3.82	0.44	425.2	174.2	28.1	85.3	12.3	2.1	8.6	1.3	7.3	1.5	4.3	0.7	4.3	0.6	39.0	795	Laterite	**3.82**	**1387**
RRMDD004	3.82	4.82	1.00	105.7	85.1	17.6	63.2	10.3	1.7	7.7	1.1	6.4	1.3	4.0	0.6	4.1	0.6	40.4	350	Clay		
RRMDD004	4.82	5.64	0.82	137.0	101.9	21.2	75.0	11.8	2.0	8.5	1.3	7.3	1.5	4.2	0.7	4.2	0.7	43.4	421	Clay		
RRMDD004	5.64	6.38	0.74	176.3	136.0	33.5	117.2	18.9	3.2	12.5	1.9	9.9	1.9	5.4	0.9	5.5	0.8	56.1	580	Clay		
RRMDD004	6.38	7.18	0.80	308.1	265.1	70.1	246.1	40.1	6.3	23.6	3.2	16.6	3.0	8.0	1.2	7.1	1.0	97.9	1098	Clay		
RRMDD004	7.18	7.43	0.25	295.2	253.3	70.5	248.4	41.2	6.7	25.0	3.6	18.1	3.4	9.0	1.3	7.7	1.1	110.4	1095	Clay		
RRMDD004	7.43	8.22	0.79	410.0	328.4	77.6	288.1	47.9	8.3	35.5	5.0	25.9	4.8	12.7	1.8	10.8	1.5	149.2	1408	Clay		
RRMDD004	8.22	8.94	0.72	682.9	804.5	187.8	744.2	140.9	27.2	128.5	19.3	102.8	20.3	54.1	7.7	45.8	6.5	605.7	3578	Clay		
RRMDD004	8.94	9.81	0.87	365.4	394.1	67.5	282.3	52.8	11.7	68.1	10.2	59.3	12.7	35.6	5.0	28.8	4.4	447.0	1845	Clay	**4.2**	**1649**
RRMDD004	9.81	10.50	0.69	207.3	137.8	24.6	99.6	18.8	3.9	18.3	2.6	13.7	2.9	8.2	1.2	6.7	1.0	127.6	674	Siltstone	**0.7**	**674**
RRMDD004	10.50	10.80	0.30	179.8	88.1	19.3	72.7	12.6	2.5	10.5	1.6	8.7	1.8	5.0	0.7	4.7	0.7	56.3	465	Siltstone		
RRMDD004	10.80	11.40	0.60	157.5	72.8	16.0	58.1	9.5	1.8	6.8	1.0	5.0	1.0	2.8	0.4	2.8	0.4	29.2	365	Siltstone		
RRMDD004	11.40	12.40	1.00	169.8	74.8	16.9	61.9	10.3	2.1	8.1	1.1	5.8	1.2	3.1	0.5	3.3	0.5	34.5	394	Siltstone		
RRMDD004	12.40	13.40	1.00	171.0	73.4	16.7	59.1	10.5	1.8	7.0	0.9	5.0	1.0	2.7	0.4	2.6	0.4	31.0	384	Siltstone		
RRMDD004	13.40	14.10	0.70	147.6	61.6	14.7	52.0	10.1	2.1	7.8	1.1	6.2	1.3	3.6	0.6	3.7	0.5	38.5	351	Shale		
RRMDD004	14.10	14.85	0.75	175.7	73.9	17.4	62.9	12.1	2.3	9.2	1.2	7.2	1.5	4.2	0.7	4.1	0.6	45.8	419	Shale		
RRMDD004	14.85	15.60	0.75	164.0	70.8	15.9	56.8	10.2	1.9	7.6	1.0	5.7	1.2	3.4	0.5	3.3	0.5	36.4	379	Shale		
RRMDD005	0.00	0.40	0.40	147.6	88.1	17.1	58.8	10.3	1.7	8.6	1.3	8.3	1.8	5.0	0.8	5.7	0.8	50.2	406	Soil		
RRMDD005	0.40	1.40	1.00	330.3	77.5	13.9	42.6	6.7	1.1	5.0	0.8	5.1	1.0	3.2	0.5	3.6	0.5	27.9	520	Laterite		
RRMDD005	1.40	2.40	1.00	246.0	67.2	11.6	36.5	6.0	0.9	4.3	0.7	4.5	0.9	2.8	0.4	3.5	0.5	25.7	412	Laterite		
RRMDD005	2.40	3.40	1.00	685.2	98.0	18.2	58.2	9.2	1.4	6.4	1.0	6.0	1.3	3.7	0.6	3.8	0.6	32.0	926	Laterite		

																				>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD005	3.40	4.40	1.00	544.7	99.9	20.0	66.5	11.0	1.7	7.9	1.2	7.2	1.5	4.4	0.7	4.6	0.7	38.5	810	Laterite		
RRMDD005	4.40	5.17	0.77	410.0	130.2	23.6	73.8	11.2	1.8	7.5	1.2	7.0	1.4	3.9	0.6	4.3	0.6	35.8	713	Laterite		
RRMDD005	5.17	5.37	0.20	667.6	78.8	15.4	51.3	8.6	1.4	6.3	1.0	5.8	1.2	3.6	0.6	3.9	0.6	34.8	881	Laterite/Clay	**5.0**	**683**
RRMDD005	5.37	6.00	0.63	209.7	84.4	15.0	49.6	8.3	1.4	6.6	1.0	6.7	1.4	4.3	0.7	4.5	0.7	44.4	439	Clay		
RRMDD005	6.00	7.40	1.40	152.9	81.2	17.0	59.4	10.2	1.8	8.1	1.3	7.9	1.7	4.9	0.8	5.3	0.8	53.0	406	Clay		
RRMDD005	7.40	7.95	0.55	507.2	195.9	53.2	180.2	31.7	5.2	20.6	2.9	15.7	2.9	7.9	1.2	7.4	1.1	80.3	1113	Clay		
RRMDD005	7.95	8.95	1.00	217.3	302.6	75.1	256.6	43.1	6.8	27.9	3.7	20.3	3.7	10.0	1.5	8.9	1.3	107.6	1086	Clay		
RRMDD005	8.95	9.40	0.45	165.7	254.5	58.3	196.0	32.8	5.4	22.6	3.1	17.6	3.4	9.4	1.4	8.6	1.2	105.1	885	Clay		
RRMDD005	9.40	9.87	0.47	238.9	321.3	75.5	253.1	42.9	6.9	27.3	3.6	19.0	3.5	9.3	1.3	8.5	1.1	95.8	1108	Clay		
RRMDD005	9.87	10.38	0.51	255.3	183.5	44.2	148.1	24.7	4.0	15.4	2.0	10.2	1.9	5.2	0.8	5.0	0.8	51.9	753	Clay		
RRMDD005	10.38	11.10	0.72	285.8	160.7	38.3	131.8	22.3	3.7	15.1	2.1	11.5	2.2	6.1	0.9	5.9	0.9	64.4	752	Clay		
RRMDD005	11.10	11.45	0.35	180.4	121.4	27.9	95.8	16.1	2.6	11.4	1.5	8.6	1.8	4.8	0.7	4.7	0.7	54.7	533	Siltstone/Clay		
RRMDD005	11.45	12.45	1.00	109.4	201.1	38.4	133.0	23.2	4.2	18.1	2.5	14.2	2.8	7.1	1.1	6.4	0.9	86.9	649	Clay		
RRMDD005	12.45	13.45	1.00	134.1	201.7	46.2	169.7	31.5	5.9	26.6	3.9	23.1	4.7	13.3	1.9	11.6	1.6	155.6	831	Clay		
RRMDD005	13.45	14.05	0.60	95.6	103.6	22.7	80.9	14.5	2.7	12.7	1.8	10.8	2.1	6.1	0.9	5.5	0.8	69.7	430	Clay		
RRMDD005	14.05	14.60	0.55	103.2	281.5	44.4	162.7	28.6	5.8	29.5	4.1	26.1	5.6	16.0	2.2	13.6	2.0	213.3	939	Clay		
RRMDD005	14.60	15.15	0.55	335.0	175.9	46.5	165.0	30.3	5.5	25.1	3.8	22.3	4.9	14.9	2.1	12.7	1.9	206.4	1052	Clay		
RRMDD005	15.15	15.70	0.55	116.2	160.1	40.8	152.8	28.4	5.2	23.0	3.1	17.7	3.4	9.3	1.3	7.9	1.1	114.3	685	Clay		
RRMDD005	15.70	16.40	0.70	95.9	173.6	37.0	138.8	23.3	4.5	22.0	3.0	17.7	3.2	9.3	1.3	7.0	1.1	109.6	647	Clay	**9.0**	**821**
RRMDD005	16.40	17.40	1.00	69.3	98.6	22.5	85.0	15.5	3.0	13.1	1.8	10.0	2.0	5.4	0.8	4.7	0.7	64.8	397	Siltstone		
RRMDD005	17.40	18.05	0.65	80.5	84.8	20.7	78.6	15.2	2.8	12.7	1.8	10.1	2.0	5.5	0.8	4.9	0.7	63.1	384	Siltstone		
RRMDD005	18.05	19.05	1.00	87.1	64.5	13.8	50.6	9.3	1.7	7.8	1.1	6.8	1.4	4.3	0.6	4.1	0.6	48.3	302	Siltstone		
RRMDD005	19.05	20.05	1.00	71.7	68.5	15.5	60.4	11.9	2.4	11.3	1.6	9.7	2.0	5.5	0.8	4.8	0.7	66.7	334	Siltstone		
RRMDD005	20.05	21.03	0.98	113.1	76.9	16.2	57.9	10.2	2.0	8.5	1.2	7.2	1.4	4.1	0.7	4.0	0.6	45.0	349	Siltstone		
RRMDD005	21.03	21.40	0.37	97.2	70.7	13.9	47.2	7.6	1.4	6.1	0.8	4.6	0.9	2.8	0.4	2.9	0.5	29.1	286	Siltstone		
RRMDD006	0.00	0.14	0.14	207.3	117.3	21.4	70.6	12.2	1.9	9.8	1.5	9.0	1.7	5.6	0.8	5.6	0.8	54.1	519	Soil		
RRMDD006	0.14	0.90	0.76	328.0	95.0	17.0	55.2	9.3	1.5	6.7	1.0	6.0	1.2	3.6	0.5	4.2	0.5	29.5	559	Laterite		
RRMDD006	0.90	1.50	0.60	365.4	103.7	17.5	55.9	9.0	1.4	6.3	1.0	6.0	1.2	3.5	0.5	4.0	0.5	29.7	606	Laterite		
RRMDD006	1.50	1.95	0.45	689.9	79.3	13.8	44.3	7.5	1.1	5.2	0.9	5.2	1.0	3.1	0.4	3.3	0.5	26.5	882	Laterite/Clay	**2.0**	**645**
RRMDD006	1.95	2.66	0.71	135.9	87.3	13.3	42.3	7.3	1.3	5.9	0.9	5.9	1.3	4.2	0.7	4.5	0.8	40.6	352	Clay		
RRMDD006	2.66	3.50	0.84	59.2	58.9	14.0	54.0	10.8	2.0	10.2	1.5	9.5	2.1	6.5	1.0	6.2	1.0	77.2	314	Clay		
RRMDD006	3.50	4.30	0.80	87.6	86.4	21.9	86.7	16.7	3.5	17.7	2.7	17.2	3.7	11.4	1.6	10.2	1.6	133.3	502	Clay		
RRMDD006	4.30	5.17	0.87	253.0	168.9	56.3	221.0	43.1	8.4	34.1	4.9	28.0	5.4	15.4	2.1	12.5	1.9	174.6	1030	Clay		
RRMDD006	5.17	5.50	0.33	176.9	133.1	38.6	152.8	29.6	6.0	27.5	4.0	23.9	5.1	14.5	2.0	12.6	1.9	175.2	804	Clay		
RRMDD006	5.50	6.03	0.53	737.9	735.3	180.2	681.2	124.7	24.4	90.9	12.4	63.6	11.0	29.4	3.9	22.9	3.2	293.3	3014	Clay		
RRMDD006	6.03	6.67	0.64	270.6	207.6	51.3	217.5	45.3	10.6	55.8	8.8	55.0	11.6	35.3	4.8	28.2	4.2	411.4	1418	Clay		
RRMDD006	6.67	7.10	0.43	373.6	232.8	68.3	293.9	69.6	16.4	78.0	12.4	74.8	15.0	43.6	6.2	39.4	5.7	407.6	1737	Clay		
RRMDD006	7.10	7.53	0.43	219.0	128.4	34.6	142.3	32.6	8.1	39.5	6.3	40.4	8.4	25.0	3.6	22.3	3.4	255.2	969	Clay	**4.0**	**1298**
RRMDD006	7.53	7.90	0.37	235.4	147.2	39.3	171.5	38.4	10.0	58.3	8.7	55.9	12.8	39.1	5.4	32.8	5.2	434.3	1294	Shale		
RRMDD006	7.90	8.40	0.50	163.4	86.2	19.3	72.1	12.7	2.9	14.8	2.0	12.2	2.8	8.5	1.2	7.0	1.2	108.2	514	Shale	**0.9**	**846**
RRMDD006	8.40	9.27	0.87	119.5	59.3	13.0	47.9	8.4	1.7	6.9	1.0	5.6	1.2	3.6	0.5	3.5	0.6	47.2	320	Clay		
RRMDD006	9.27	10.10	0.83																	Shale	**Results Pending**	

																				>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD006	10.10	10.77	0.67																	Shale		
RRMDD006	10.77	11.77	1.00																	Shale		
RRMDD006	11.77	12.10	0.33																	Shale		
RRMDD006	12.10	12.34	0.24																	Shale		
RRMDD006	12.34	13.34	1.00																	Shale		
RRMDD006	13.34	14.20	0.86																	Shale		
RRMDD006	14.20	15.20	1.00																	Siltstone		
RRMDD006	15.20	16.20	1.00																	Siltstone		
RRMDD006	16.20	17.20	1.00																	Siltstone		
RRMDD006	17.20	18.20	1.00																	Siltstone		
RRMDD006	18.20	18.74	0.54																	Siltstone		
RRMDD006	18.74	19.40	0.66																	Shale		
RRMDD006	19.40	20.10	0.70																	Shale		
RRMDD007	0.00	0.16	0.16	279.9	124.9	22.9	76.9	13.3	2.1	10.4	1.5	8.8	1.8	5.3	0.8	4.9	0.8	53.7	608	Soil		
RRMDD007	0.16	0.94	0.78	1103.4	178.9	29.7	92.4	14.6	2.4	10.2	1.4	7.9	1.4	4.2	0.6	4.5	0.6	39.4	1492	Laterite		
RRMDD007	0.94	1.79	0.85	508.3	95.3	16.0	49.6	8.0	1.3	5.9	0.9	5.6	1.1	3.2	0.5	3.7	0.5	32.1	732	Laterite		
RRMDD007	1.79	2.60	0.81	410.0	82.8	15.5	53.4	9.0	1.5	7.5	1.2	7.4	1.5	4.9	0.7	5.3	0.8	48.9	650	Laterite/Clay		
RRMDD007	2.60	3.33	0.73	529.4	201.7	26.0	81.2	12.0	2.0	10.6	1.5	9.4	1.8	5.5	0.8	5.6	0.8	57.7	946	Laterite/Clay	**3.3**	**931**
RRMDD007	3.33	4.08	0.75	267.1	200.0	26.4	79.3	12.2	2.3	9.6	1.4	8.6	1.7	5.5	0.8	5.5	0.9	50.5	672	Clay		
RRMDD007	4.08	4.78	0.70	257.7	178.9	52.0	190.7	33.4	6.0	23.4	3.2	17.5	3.3	9.2	1.3	8.0	1.2	96.5	882	Clay		
RRMDD007	4.78	5.78	1.00	248.3	295.5	79.8	291.6	50.1	9.3	34.5	4.7	25.5	4.6	13.0	1.8	10.9	1.6	139.7	1211	Clay		
RRMDD007	5.78	6.78	1.00	257.7	206.4	52.5	198.3	36.2	7.2	29.2	4.2	23.0	4.6	12.7	1.9	11.6	1.7	147.3	994	Clay		
RRMDD007	6.78	7.78	1.00	197.4	151.9	37.3	139.4	24.7	5.0	21.9	3.2	18.9	3.8	11.5	1.6	10.1	1.5	118.9	747	Clay		
RRMDD007	7.78	8.26	0.48	177.5	154.2	39.9	155.1	31.5	6.8	31.2	4.9	30.3	6.3	18.0	2.5	15.8	2.4	191.1	868	Clay		
RRMDD007	8.26	9.10	0.84	176.3	259.2	69.3	282.3	57.1	12.9	62.8	9.5	55.7	11.7	33.8	4.6	27.0	4.1	398.7	1465	Clay	**5.8**	**991**
RRMDD007	9.10	9.98	0.88																	Siltstone		
RRMDD007	9.98	10.78	0.80																	Siltstone	**Results Pending**	
RRMDD007	10.78	11.60	0.82																	Siltstone		
RRMDD008	0.00	0.30	0.30	155.8	77.9	14.2	46.4	8.0	1.3	6.3	0.9	6.2	1.2	3.7	0.5	4.1	0.6	34.7	362	Soil		
RRMDD008	0.30	0.86	0.56	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	Laterite	**Results Pending**	
RRMDD008	0.86	1.51	0.65	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0	Laterite		
RRMDD008	1.51	2.50	0.99	232.5	40.6	7.4	25.3	4.7	0.8	3.6	0.6	4.3	0.8	2.5	0.4	3.1	0.5	22.6	350	Laterite		
RRMDD008	2.50	3.50	1.00	182.1	49.4	9.3	31.1	5.8	0.9	4.6	0.8	4.7	0.9	2.9	0.5	3.6	0.5	27.0	324	Laterite		
RRMDD008	3.50	4.50	1.00	281.1	53.2	10.1	34.5	6.0	1.0	4.9	0.8	4.8	1.0	3.2	0.5	3.5	0.5	27.0	432	Laterite		
RRMDD008	4.50	5.20	0.70	448.6	99.0	20.2	69.2	12.2	2.0	9.2	1.4	8.5	1.7	5.1	0.8	5.4	0.8	51.9	736	Laterite/Clay	**0.7**	**736**
RRMDD008	5.20	6.05	0.85	233.7	90.2	20.0	69.8	11.9	2.2	9.8	1.5	9.1	1.8	5.7	0.9	5.9	0.9	53.0	517	Clay		
RRMDD008	6.05	6.80	0.75	222.0	200.5	47.5	165.0	27.7	5.1	20.6	2.8	15.6	2.8	8.2	1.2	7.3	1.1	79.5	807	Clay		
RRMDD008	6.80	7.70	0.90	177.5	162.4	34.8	124.8	21.0	4.2	18.0	2.5	14.3	2.9	8.5	1.2	7.5	1.1	88.6	669	Clay		
RRMDD008	7.70	8.25	0.55	221.4	261.5	56.1	206.5	37.3	7.7	32.2	4.6	25.4	4.7	12.9	1.8	10.9	1.6	129.5	1014	Clay	**3.1**	**723**
RRMDD008	8.25	9.20	0.95																	Siltstone		
RRMDD008	9.20	10.20	1.00																	Siltstone	**Results Pending**	
RRMDD008	10.20	11.20	1.00																	Siltstone		

																					>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD008	11.20	12.05	0.85																	Siltstone		
RRMDD008	12.05	12.80	0.75																	Shale		
RRMDD008	12.80	13.60	0.80																	Shale		
RRMDD009	0.00	0.30	0.30																	Soil		
RRMDD009	0.30	1.30	1.00																	Laterite	**Results Pending**	
RRMDD009	1.30	2.30	1.00																	Laterite		
RRMDD009	2.30	3.18	0.88	713.3	93.9	17.9	62.6	10.4	1.8	7.5	1.3	7.0	1.4	4.3	0.7	4.5	0.6	35.0	962	Laterite		
RRMDD009	3.18	4.00	0.82	420.5	96.2	21.9	86.8	16.2	3.2	15.4	2.2	12.9	2.5	7.5	1.1	6.9	1.0	77.0	771	Clay		
RRMDD009	4.00	4.40	0.40	301.0	130.2	30.4	121.9	23.4	4.5	22.2	3.3	18.7	3.6	10.9	1.5	9.5	1.4	115.6	798	Clay		
RRMDD009	4.40	4.65	0.25	418.2	123.1	29.4	120.1	23.3	4.3	22.4	3.3	19.2	3.9	11.0	1.6	9.7	1.4	119.6	911	Clay		
RRMDD009	4.65	5.65	1.00	636.0	129.6	33.9	140.0	27.6	5.3	25.2	3.6	20.5	3.9	11.5	1.6	9.7	1.4	123.6	1174	Clay		
RRMDD009	5.65	6.65	1.00	118.9	160.1	43.9	184.3	37.0	7.0	31.9	4.4	24.6	4.7	13.8	1.8	11.0	1.6	147.3	792	Clay		
RRMDD009	6.65	7.65	1.00	97.7	134.9	38.3	148.1	30.1	5.4	25.2	3.6	20.5	4.1	11.5	1.7	10.2	1.5	141.0	674	Clay		
RRMDD009	7.65	8.65	1.00	118.9	162.4	49.2	188.4	38.7	6.8	30.4	4.3	24.2	4.8	12.9	1.8	11.0	1.7	156.2	812	Clay		
RRMDD009	8.65	9.65	1.00	336.2	157.7	47.0	177.3	37.3	6.7	29.0	4.1	22.8	4.3	11.6	1.6	10.2	1.5	135.2	983	Clay		
RRMDD009	9.65	10.30	0.65	254.2	112.0	30.9	115.5	23.8	4.2	19.5	2.8	16.2	3.2	8.8	1.3	8.1	1.2	100.3	702	Clay	**7.1**	**852**
RRMDD009	10.30	11.15	0.85	56.6	43.9	8.4	28.2	5.3	1.0	4.2	0.6	3.7	0.7	2.0	0.3	2.0	0.3	21.7	179	Sandstone		
RRMDD009	11.15	11.39	0.24	72.2	53.5	11.8	42.9	7.8	1.4	6.2	0.9	5.0	1.0	2.9	0.5	3.1	0.5	31.2	241	Sandstone		
RRMDD009	11.39	11.83	0.44	25.1	17.8	3.5	13.1	2.5	0.4	1.8	0.3	1.6	0.3	0.9	0.1	1.0	0.2	8.5	77	Sandstone		
RRMDD009	11.83	12.60	0.77	75.0	49.3	11.5	43.6	7.9	1.5	6.6	0.9	5.5	1.1	3.3	0.5	3.1	0.5	34.9	245	Clay		
RRMDD009	12.60	12.90	0.30	77.7	46.0	9.4	33.0	5.5	0.9	3.8	0.5	3.2	0.6	2.1	0.3	2.2	0.4	19.2	205	Clay		
RRMDD009	12.90	13.96	1.06	139.4	23.3	4.9	18.7	3.5	0.6	2.7	0.4	2.3	0.4	1.4	0.2	1.6	0.3	12.1	212	Sandstone		
RRMDD009	13.96	14.83	0.87	93.1	46.9	9.6	35.0	6.2	1.1	4.0	0.6	3.2	0.6	1.9	0.3	2.1	0.4	17.8	223	Clay		
RRMDD009	14.83	15.79	0.96																	Siltstone		
RRMDD009	15.79	16.79	1.00																	Siltstone		
RRMDD009	16.79	17.79	1.00																	Siltstone		
RRMDD009	17.79	18.67	0.88																	Siltstone		
RRMDD009	18.67	19.60	0.93																	Sandstone		
RRMDD009	19.60	19.90	0.30																	Sandstone/Clay		
RRMDD009	19.90	20.90	1.00																	Sandstone/Clay	**Results Pending**	
RRMDD009	20.90	21.90	1.00																	Sandstone/Clay		
RRMDD009	21.90	22.90	1.00																	Sandstone/Clay		
RRMDD009	22.90	23.90	1.00																	Sandstone/Clay		
RRMDD009	23.90	24.90	1.00																	Sandstone/Clay		
RRMDD009	24.90	25.90	1.00																	Sandstone/Clay		
RRMDD009	25.90	26.45	0.55																	Shale		
RRMDD010	0.00	1.00	1.00																	Laterite		
RRMDD010	1.00	2.00	1.00																	Laterite		
RRMDD010	2.00	3.00	1.00																	Laterite	**Results Pending**	
RRMDD010	3.00	3.87	0.87																	Laterite		
RRMDD010	3.87	4.53	0.66	387.7	192.3	30.2	89.7	12.8	2.3	9.0	1.4	8.1	1.6	4.7	0.8	5.0	0.7	42.3	789	Clay/Laterite		
RRMDD010	4.53	5.45	0.92	129.4	114.1	18.5	55.1	8.7	1.5	6.6	1.0	6.2	1.3	4.2	0.7	4.3	0.7	36.6	389	Clay		

																				>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD010	5.45	6.45	1.00	462.7	140.1	20.2	58.4	8.6	1.6	6.6	1.1	6.7	1.3	4.4	0.7	4.8	0.7	36.8	755	Clay		
RRMDD010	6.45	7.30	0.85	229.6	47.7	8.8	29.4	5.2	1.0	4.1	0.7	4.5	0.9	3.1	0.5	3.9	0.6	27.2	367	Clay		
RRMDD010	7.30	8.10	0.80	189.2	150.1	25.4	77.4	12.2	2.1	7.6	1.1	6.0	1.1	3.5	0.6	3.9	0.7	31.2	512	Clay		
RRMDD010	8.10	8.44	0.34	197.4	71.5	20.0	71.4	12.6	2.2	8.3	1.2	6.6	1.2	3.6	0.6	3.9	0.6	31.7	433	Clay		
RRMDD010	8.44	9.44	1.00	191.5	90.4	25.3	92.0	15.2	2.7	9.8	1.4	7.5	1.4	4.2	0.6	4.2	0.6	39.9	487	Clay		
RRMDD010	9.44	10.44	1.00	353.7	273.3	95.6	398.9	78.2	14.4	58.1	8.5	47.5	8.4	23.7	3.3	20.3	2.8	212.1	1599	Clay		
RRMDD010	10.44	11.10	0.66	593.8	629.8	196.6	855.0	164.1	33.7	159.1	24.2	144.0	28.1	82.9	11.6	70.7	10.1	844.5	3848	Clay		
RRMDD010	11.10	12.10	1.00	246.0	204.7	44.6	190.7	37.6	8.8	48.9	7.4	47.9	10.5	31.9	4.4	26.2	4.1	416.5	1330	Clay	**8.2**	**1028**
RRMDD010	12.10	12.60	0.50																	Clay	**Results Pending**	
RRMDD010	12.60	13.55	0.95																	Shale		
RRMDD010	13.55	14.50	0.95																	Shale		
RRMDD011	0.00	0.24	0.24																	Soil	**Results Pending**	
RRMDD011	0.24	1.24	1.00																	Laterite		
RRMDD011	1.24	2.24	1.00																	Laterite		
RRMDD011	2.24	3.24	1.00																	Laterite		
RRMDD011	3.24	3.81	0.57																	Laterite		
RRMDD011	3.81	4.21	0.40																	Laterite/Clay		
RRMDD011	4.21	4.65	0.44	55.6	59.5	8.7	28.0	4.2	0.8	3.3	0.6	3.8	0.8	2.7	0.5	3.0	0.5	24.8	197	Clay		
RRMDD011	4.65	5.65	1.00	58.4	48.3	9.2	32.8	5.7	1.1	4.9	0.8	4.9	1.0	3.2	0.5	3.4	0.5	31.9	207	Clay		
RRMDD011	5.65	6.65	1.00	121.8	84.7	16.0	59.1	10.0	1.8	7.7	1.2	6.8	1.4	4.2	0.7	4.3	0.6	44.3	365	Clay		
RRMDD011	6.65	7.10	0.45	236.6	124.3	22.6	78.4	13.2	1.7	8.3	1.1	6.1	1.1	3.0	0.5	2.8	0.4	31.2	531	Clay		
RRMDD011	7.10	8.10	1.00	308.1	111.8	24.9	85.0	14.4	2.4	10.7	1.5	9.0	1.7	5.0	0.7	4.7	0.7	54.4	635	Clay		
RRMDD011	8.10	8.39	0.29	352.6	122.0	29.0	100.4	17.6	2.9	13.3	1.9	10.5	2.1	6.1	0.9	5.4	0.8	65.1	731	Clay		
RRMDD011	8.39	9.04	0.65	279.9	131.4	29.3	96.0	16.1	2.6	12.2	1.7	9.3	1.8	5.0	0.7	4.6	0.7	55.4	647	Clay		
RRMDD011	9.04	10.04	1.00	237.8	144.8	35.5	123.1	21.7	3.6	15.3	2.1	12.3	2.4	6.8	1.0	6.0	0.8	74.4	688	Clay		
RRMDD011	10.04	10.37	0.33	265.9	145.4	36.7	128.9	21.6	3.7	16.0	2.2	12.3	2.3	6.4	1.0	5.9	0.8	73.1	722	Clay		
RRMDD011	10.37	11.37	1.00	289.3	141.9	37.2	125.4	21.7	3.5	15.6	2.1	11.8	2.3	6.3	0.9	5.6	0.8	70.4	735	Clay		
RRMDD011	11.37	12.37	1.00	241.3	144.3	36.5	127.1	22.1	3.6	16.1	2.3	13.0	2.6	7.0	1.0	6.3	0.8	80.0	704	Clay		
RRMDD011	12.37	13.37	1.00	255.3	159.5	42.8	147.5	25.4	4.3	19.4	2.7	15.4	3.0	8.0	1.2	6.9	1.0	92.8	785	Clay		
RRMDD011	13.37	14.05	0.68	290.5	171.8	45.9	155.1	27.3	4.5	19.1	2.6	14.6	2.9	7.7	1.2	6.7	0.9	91.6	842	Clay		
RRMDD011	14.05	14.45	0.40	246.0	154.2	37.9	130.6	21.7	3.8	17.1	2.3	13.3	2.7	7.5	1.1	6.5	0.9	86.7	732	Clay		
RRMDD011	14.45	15.10	0.65	200.9	145.4	35.8	124.8	21.0	3.6	15.6	2.1	12.3	2.4	6.7	1.0	5.9	0.9	77.5	656	Clay	**8.5**	**704**
RRMDD011	15.10	15.54	0.44																	Clay	**Results Pending**	
RRMDD011	15.54	16.06	0.52																	Clay		
RRMDD011	16.06	16.41	0.35																	Clay		
RRMDD011	16.41	17.10	0.69																	Clay		
RRMDD011	17.10	18.10	1.00																	Clay		
RRMDD011	18.10	19.08	0.98																	Clay		
RRMDD011	19.08	20.10	1.02																	Siltstone/Clay		
RRMDD011	20.10	20.70	0.60																	Siltstone/Clay		
RRMDD011	20.70	21.70	1.00																	Siltstone/Clay		
RRMDD011	21.70	22.63	0.93																	Siltstone/Clay		

																				>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD011	22.63	23.08	0.45																	Siltstone/Clay		
RRMDD011	23.08	24.08	1.00																	Clay/Siltstone		
RRMDD011	24.08	25.08	1.00																	Clay/Siltstone		
RRMDD011	25.08	26.08	1.00																	Siltstone		
RRMDD011	26.08	27.08	1.00																	Siltstone		
RRMDD011	27.08	28.06	0.98																	Siltstone		
RRMDD011	28.06	28.34	0.28																	Siltstone		
RRMDD011	28.34	29.10	0.76																	Shale		
RRMDD011	29.10	29.70	0.60																	Siltstone		
RRMDD012	0.00	0.29	0.29	172.2	111.1	20.0	63.8	10.5	1.5	7.1	1.0	6.4	1.2	3.6	0.5	3.5	0.5	32.0	435	Soil		
RRMDD012	0.29	0.70	0.41	353.7	143.7	26.0	82.0	12.7	2.0	8.7	1.4	8.1	1.6	4.5	0.7	4.7	0.7	38.7	689	Laterite		
RRMDD012	0.70	1.70	1.00	515.4	195.9	32.8	97.3	15.0	2.3	10.0	1.6	9.1	1.7	4.9	0.7	4.9	0.7	38.6	931	Laterite		
RRMDD012	1.70	2.22	0.52	269.4	127.2	23.3	68.4	9.7	1.5	6.8	1.1	6.1	1.2	3.0	0.5	3.1	0.4	28.2	550	Laterite	**1.9**	**777**
RRMDD012	2.22	3.22	1.00	291.7	190.6	39.7	120.7	17.6	2.7	10.5	1.5	8.6	1.7	5.1	0.8	5.5	0.8	51.6	749	Clay		
RRMDD012	3.22	4.22	1.00	361.9	204.1	46.5	147.0	21.6	3.3	12.9	1.7	9.7	1.8	5.0	0.8	5.1	0.8	52.8	875	Clay		
RRMDD012	4.22	5.22	1.00	297.5	196.4	46.8	158.0	24.0	3.9	14.3	1.9	10.9	2.1	5.9	0.9	6.0	0.9	59.6	829	Clay		
RRMDD012	5.22	5.77	0.55	186.8	46.9	13.8	55.4	12.1	2.3	11.2	1.7	10.5	2.1	6.1	1.0	6.5	1.0	63.4	421	Clay		
RRMDD012	5.77	6.64	0.87	214.9	91.2	23.6	89.8	17.3	3.0	13.7	2.0	12.1	2.4	7.1	1.1	7.0	1.0	70.2	556	Clay		
RRMDD012	6.64	7.64	1.00	298.7	136.0	56.4	251.9	57.2	10.1	45.5	6.3	34.7	6.5	17.8	2.5	14.5	2.0	205.1	1145	Clay		
RRMDD012	7.64	8.25	0.61	222.0	116.0	47.3	215.2	47.9	8.3	39.1	5.4	31.2	6.3	17.1	2.4	14.1	2.0	207.0	981	Clay		
RRMDD012	8.25	9.25	1.00	197.9	110.4	42.4	189.5	42.6	7.7	36.4	5.0	30.4	6.0	16.5	2.4	13.9	1.9	202.5	906	Clay		
RRMDD012	9.25	10.15	0.90	205.0	114.0	45.8	204.1	45.9	8.2	37.6	5.3	30.5	5.9	16.2	2.3	14.0	1.9	201.9	939	Clay		
RRMDD012	10.15	10.71	0.56	129.4	101.0	24.1	100.3	22.7	4.4	22.8	3.4	20.2	4.2	11.7	1.7	10.4	1.5	137.1	595	Clay		
RRMDD012	10.71	11.62	0.91	59.4	39.6	16.5	84.7	21.2	4.2	24.0	3.5	22.0	4.6	13.2	1.9	11.3	1.7	161.3	469	Clay		
RRMDD012	11.62	11.85	0.23	152.3	126.1	25.5	97.4	21.6	4.1	20.5	2.9	17.2	3.5	9.7	1.4	8.6	1.3	114.0	606	Clay		
RRMDD012	11.85	12.39	0.54	84.9	61.0	18.7	84.0	20.4	4.1	21.6	3.1	19.3	4.1	11.3	1.7	10.1	1.4	136.5	482	Clay		
RRMDD012	12.39	12.70	0.31	167.5	96.8	28.4	137.1	41.5	8.6	41.7	6.4	38.6	7.5	20.1	3.0	17.9	2.4	205.7	823	Clay		
RRMDD012	12.70	13.56	0.86	223.1	115.6	45.2	231.5	72.8	15.3	74.6	11.4	67.4	13.1	35.3	5.1	29.9	4.1	349.2	1294	Clay		
RRMDD012	13.56	13.79	0.23	157.5	88.1	26.1	122.5	33.9	7.1	34.9	5.2	32.3	6.4	17.2	2.6	15.0	2.1	188.6	739	Clay		
RRMDD012	13.79	14.79	1.00	312.7	177.1	39.1	179.6	49.3	10.6	50.9	7.6	45.0	9.3	25.3	3.4	20.9	2.9	254.0	1188	Clay		
RRMDD012	14.79	15.60	0.81	302.2	158.3	42.6	207.0	59.7	12.9	61.5	9.2	54.6	11.0	29.8	4.1	24.7	3.3	297.2	1278	Clay		
RRMDD012	15.60	16.41	0.81	175.7	97.7	29.0	147.5	43.9	9.4	45.9	6.9	41.4	8.6	23.4	3.2	19.7	2.6	236.2	891	Clay		
RRMDD012	16.41	17.41	1.00	319.8	151.9	36.5	158.6	38.6	8.1	42.4	5.9	35.6	7.7	22.1	3.0	18.0	2.5	240.0	1091	Clay		
RRMDD012	17.41	18.41	1.00	390.0	185.3	40.5	165.6	36.5	7.8	39.5	5.6	32.8	7.1	19.8	2.8	16.2	2.3	224.1	1176	Clay		
RRMDD012	18.41	19.40	0.99	378.3	168.3	38.9	159.2	33.4	6.8	35.0	4.8	28.1	6.3	17.4	2.5	14.3	2.1	207.0	1102	Clay	**17.2**	**912**
RRMDD013	0.00	0.30	0.30	191.5	105.2	20.4	70.1	11.8	2.0	9.7	1.4	8.5	1.7	5.0	0.7	5.0	0.8	50.7	484	Soil		
RRMDD013	0.30	0.80	0.50	279.9	114.5	24.6	86.5	13.7	2.2	8.7	1.2	6.8	1.3	3.6	0.6	4.0	0.6	32.4	580	Laterite		
RRMDD013	0.80	1.75	0.95	515.4	92.1	19.0	65.8	11.6	1.9	8.3	1.3	7.7	1.5	4.6	0.7	4.9	0.7	37.0	772	Laterite/Clay		
RRMDD013	1.75	2.10	0.35	899.6	98.2	18.8	65.6	12.1	1.9	8.5	1.4	8.0	1.6	4.9	0.7	5.7	0.8	39.0	1167	Laterite/Clay		
RRMDD013	2.10	2.85	0.75	456.8	93.0	18.1	62.2	10.7	1.7	7.7	1.2	7.1	1.4	4.2	0.7	4.6	0.7	36.3	706	Laterite/Clay	**2.6**	**769**
RRMDD013	2.85	3.87	1.02	202.0	55.8	11.5	41.8	7.0	1.4	6.4	1.1	6.5	1.4	4.3	0.7	5.0	0.8	39.5	385	Clay		
RRMDD013	3.87	4.47	0.60	89.6	55.1	14.8	58.2	10.9	2.2	9.8	1.5	9.1	1.9	6.0	0.9	6.1	1.0	58.2	325	Clay		

																				>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD013	4.47	5.35	0.88	56.7	67.7	15.2	57.0	9.9	1.9	9.1	1.4	8.5	1.7	5.8	0.8	5.5	0.9	61.0	303	Clay		
RRMDD013	5.35	6.35	1.00	305.7	209.3	71.9	258.9	44.6	8.2	30.3	4.0	21.5	3.9	11.1	1.5	8.9	1.3	139.1	1120	Clay		
RRMDD013	6.35	7.35	1.00	456.8	458.6	78.8	275.3	43.7	7.9	30.9	3.8	19.8	3.7	10.4	1.4	8.3	1.2	139.7	1540	Clay	**2.0**	**1330**
RRMDD013	7.35	8.10	0.75	94.3	77.1	15.4	58.4	10.9	2.4	11.2	1.7	9.8	2.0	6.1	0.9	6.1	0.9	66.7	364	Clay		
RRMDD013	8.10	9.06	0.96	40.5	45.5	11.4	46.4	9.8	2.2	10.3	1.6	10.4	2.1	6.8	1.0	6.2	0.9	66.8	262	Clay		
RRMDD013	9.06	9.95	0.89	73.7	47.9	11.7	47.4	9.1	2.1	9.4	1.5	9.5	2.0	6.2	0.9	6.2	1.0	63.5	292	Clay		
RRMDD013	9.95	10.70	0.75	63.7	76.0	19.5	79.4	16.8	3.8	17.1	2.5	15.6	3.0	9.2	1.3	8.0	1.2	91.2	408	Clay		
RRMDD013	10.70	11.50	0.80	71.7	78.8	16.4	64.0	12.1	2.7	12.0	1.7	10.5	2.1	6.3	0.9	6.1	0.9	66.2	352	Clay		
RRMDD013	11.50	11.70	0.20	62.2	63.9	16.2	65.7	13.6	3.1	13.4	2.1	12.6	2.5	7.5	1.1	6.7	1.0	78.6	350	Clay		
RRMDD013	11.70	12.00	0.30	92.5	84.1	22.3	90.3	19.8	4.4	19.9	2.9	17.2	3.4	10.2	1.5	8.8	1.3	104.4	483	Clay		
RRMDD013	12.00	12.40	0.40	149.9	102.6	21.3	81.4	15.4	3.4	14.5	2.1	12.8	2.5	7.5	1.1	6.4	1.0	77.5	499	Clay		
RRMDD013	12.40	12.90	0.50																	Clay	**Results Pending**	
RRMDD013	12.90	13.90	1.00																	Clay		
RRMDD013	13.90	14.90	1.00																	Shale		
RRMDD013	14.90	15.30	0.40																	Shale		
RRMDD013	15.30	16.10	0.80																	Shale		
RRMDD014	0.00	0.37	0.37	221.4	121.4	25.4	88.8	15.2	2.4	12.3	1.8	11.3	2.3	6.6	1.0	6.9	1.0	68.6	586	Soil		
RRMDD014	0.37	1.37	1.00	263.5	132.5	25.3	82.0	12.9	2.0	8.3	1.2	7.0	1.3	3.9	0.6	4.3	0.6	34.2	580	Laterite		
RRMDD014	1.37	1.75	0.38	551.7	164.8	25.2	73.6	11.4	1.7	7.8	1.2	7.1	1.3	3.9	0.6	4.6	0.6	33.4	889	Laterite		
RRMDD014	1.75	2.70	0.95	182.1	110.4	19.7	66.5	10.7	1.7	8.2	1.2	7.5	1.5	4.9	0.7	5.1	0.7	49.9	471	Clay/Laterite	**2.7**	**586**
RRMDD014	2.70	3.60	0.90	402.9	188.2	28.9	90.3	12.9	2.1	8.7	1.4	8.2	1.6	4.8	0.8	5.4	0.8	50.4	807	Clay		
RRMDD014	3.60	4.50	0.90	289.3	195.3	32.1	96.5	14.8	2.3	9.6	1.5	8.2	1.6	4.6	0.8	5.0	0.8	46.4	709	Clay	**1.8**	**758**
RRMDD014	4.50	5.50	1.00	186.2	134.3	22.4	68.2	10.4	1.8	7.6	1.2	7.2	1.5	4.3	0.7	5.0	0.8	42.9	494	Clay		
RRMDD014	5.50	6.50	1.00	158.1	92.9	18.3	61.9	10.4	1.8	7.9	1.3	7.8	1.6	4.6	0.8	5.3	0.8	48.1	422	Clay		
RRMDD014	6.50	7.35	0.85	120.1	70.7	20.4	81.9	14.2	2.6	13.3	2.0	12.5	2.6	7.9	1.1	6.9	1.1	87.4	445	Clay		
RRMDD014	7.35	8.35	1.00	173.9	106.1	34.6	149.9	29.3	5.6	25.2	4.0	23.0	4.8	13.8	2.0	12.0	1.9	161.3	748	Clay		
RRMDD014	8.35	9.35	1.00	134.1	88.7	32.4	148.1	31.3	6.2	28.7	4.7	27.0	5.7	16.2	2.4	14.5	2.2	192.4	734	Clay		
RRMDD014	9.35	10.35	1.00	262.4	137.2	33.7	138.8	28.2	5.3	25.4	3.9	23.3	4.7	13.9	2.0	12.2	1.8	161.9	855	Clay		
RRMDD014	10.35	11.17	0.82	173.4	102.3	33.6	151.0	31.1	6.0	28.6	4.5	26.9	5.4	15.6	2.3	13.8	2.1	184.8	781	Clay		
RRMDD014	11.17	12.10	0.93	333.8	168.9	53.6	239.1	55.4	11.0	51.5	8.3	48.0	9.7	27.0	3.7	22.3	3.3	307.3	1343	Clay	**4.8**	**890**
RRMDD014	12.10	13.10	1.00																	Siltstone	**Results Pending**	
RRMDD014	13.10	14.10	1.00																	Siltstone		
RRMDD015	0.00	0.26	0.26	70.4	42.7	7.1	21.8	3.8	0.6	2.8	0.5	3.3	0.7	2.3	0.4	2.9	0.4	18.4	178	Laterite		
RRMDD015	0.26	1.26	1.00	92.4	45.4	9.8	33.8	6.3	1.0	4.7	0.8	4.8	1.0	3.0	0.5	3.7	0.6	26.7	234	Laterite		
RRMDD015	1.26	2.26	1.00	463.8	76.0	16.6	58.0	10.2	1.6	7.8	1.2	7.5	1.5	4.6	0.7	5.0	0.7	40.6	696	Laterite		
RRMDD015	2.26	3.26	1.00	781.3	70.8	15.2	50.6	9.3	1.4	6.5	1.2	6.4	1.4	4.0	0.7	4.8	0.7	34.9	989	Laterite		
RRMDD015	3.26	3.70	0.44	864.4	76.5	17.3	59.3	10.7	1.7	7.6	1.3	7.2	1.5	4.6	0.7	4.8	0.7	39.5	1098	Laterite	**2.4**	**889**
RRMDD015	3.70	4.20	0.50	344.4	151.3	35.6	145.8	31.1	6.2	32.4	4.4	26.6	6.0	16.2	2.3	14.1	2.0	192.4	1011	Clay		
RRMDD015	4.20	4.74	0.54	451.0	68.7	14.2	48.8	9.2	1.5	7.1	1.1	6.8	1.5	4.3	0.7	4.9	0.7	39.1	660	Clay		
RRMDD015	4.74	5.74	1.00	306.9	159.5	38.9	132.4	22.4	3.5	15.8	2.2	12.3	2.5	7.0	1.1	6.8	1.0	73.3	785	Clay		
RRMDD015	5.74	6.74	1.00	340.8	231.6	59.2	205.3	34.6	5.6	24.1	3.3	17.8	3.5	9.7	1.4	8.8	1.2	99.3	1046	Clay		

																				>500ppm TREO	
Hole ID	From m	To m	Int.	Ce_2O_3 ppm	La_2O_3 ppm	Pr_2O_3 ppm	Nd_2O3 ppm	Sm_2O3 ppm	Eu_2O_3 ppm	Gd_2O_3 ppm	Tb_2O_3 ppm	Dy_2O_3 ppm	Ho_2O_3 ppm	Er_2O_3 ppm	Tm_2O_3 ppm	Yb_2O_3 ppm	Lu_2O_3 ppm	Y_2O_3 ppm	TREO ppm	Rock	Length (m)	TREO ppm
RRMDD015	6.74	7.15	0.41	324.5	254.5	61.4	215.2	37.6	6.1	27.4	3.8	20.3	4.0	10.2	1.5	9.2	1.3	112.8	1090	Clay		
RRMDD015	7.15	7.93	0.78	955.8	1735.7	244.6	745.3	124.1	20.8	88.6	11.7	59.2	10.4	24.2	3.1	17.5	2.1	249.5	4293	Clay		
RRMDD015	7.93	8.93	1.00	333.8	256.8	57.7	214.6	39.0	6.4	30.4	4.1	23.0	4.4	11.5	1.6	9.6	1.2	112.4	1107	Clay		
RRMDD015	8.93	9.43	0.50	246.0	158.9	32.3	116.4	19.8	3.6	17.6	2.5	14.6	3.1	8.5	1.3	7.7	1.1	93.8	727	Clay		
RRMDD015	9.43	10.24	0.81	240.1	204.1	43.1	162.7	29.1	5.5	27.1	3.7	22.2	4.5	11.8	1.7	10.4	1.4	124.3	892	Clay		
RRMDD015	10.24	11.20	0.96	279.9	195.3	40.3	156.9	30.6	6.2	35.4	5.3	33.5	7.2	19.8	2.8	17.6	2.4	194.3	1027	Clay		
RRMDD015	11.20	11.50	0.30	196.8	132.5	26.2	100.8	21.0	4.4	26.3	4.1	27.8	6.2	18.2	2.5	15.8	2.1	179.7	764	Clay		
RRMDD015	11.50	12.50	1.00	170.4	123.7	23.3	91.1	17.8	3.9	24.4	3.6	23.0	5.5	15.5	2.2	13.4	1.9	167.0	687	Clay		
RRMDD015	12.50	13.40	0.90	155.2	103.7	18.5	68.2	12.5	2.4	14.0	1.9	11.4	2.8	8.3	1.1	6.6	1.0	112.4	520	Clay	**9.7**	**1139**
RRMDD015	13.40	14.20	0.80																	Clay	**Results Pending**	
RRMDD016	0.00	0.13	0.13																	Soil		
RRMDD016	0.13	0.95	0.82																	Laterite	**Results Pending**	
RRMDD016	0.95	1.50	0.55																	Laterite		
RRMDD016	1.50	2.50	1.00																	Clay		
RRMDD016	2.50	3.20	0.70	338.5	252.2	70.5	268.3	49.4	8.0	33.7	4.9	25.6	4.6	12.5	1.8	10.9	1.5	129.5	1212	Clay		
RRMDD016	3.20	3.66	0.46	742.6	806.9	127.0	464.2	83.5	14.6	66.4	9.6	51.2	9.4	25.0	3.4	19.1	2.7	312.4	2738	Clay		
RRMDD016	3.66	4.41	0.75	206.1	169.5	41.9	155.7	27.1	4.6	19.3	2.9	16.5	3.2	8.9	1.3	8.4	1.2	94.5	761	Clay		
RRMDD016	4.41	5.41	1.00	229.0	185.9	51.0	192.5	34.2	5.6	23.7	3.6	19.2	3.6	9.9	1.4	8.8	1.3	104.9	875	Clay		
RRMDD016	5.41	6.41	1.00	418.2	221.1	54.1	206.5	37.5	6.5	30.0	4.5	25.6	5.1	14.0	2.0	12.3	1.9	164.5	1203	Clay		
RRMDD016	6.41	7.41	1.00	762.5	240.4	57.0	222.8	40.2	7.4	34.6	5.4	30.4	6.1	17.6	2.5	14.9	2.3	202.5	1647	Clay		
RRMDD016	7.41	8.41	1.00	449.8	261.5	63.2	248.4	45.0	7.9	34.6	5.3	29.5	5.6	15.4	2.2	13.7	1.9	179.1	1363	Clay		
RRMDD016	8.41	9.41	1.00	262.4	187.1	47.3	175.0	29.8	5.1	24.7	3.5	21.0	4.0	11.8	1.6	9.4	1.4	129.5	914	Clay		
RRMDD016	9.41	10.33	0.92	301.0	184.7	39.7	158.0	30.3	5.7	26.3	4.0	22.5	4.1	11.5	1.7	10.2	1.5	121.1	923	Clay		
RRMDD016	10.33	10.63	0.30	242.5	136.0	28.8	112.9	21.5	4.1	20.2	3.2	18.5	3.7	10.4	1.6	9.7	1.5	106.5	721	Clay	**8.1**	**1199**
RRMDD016	10.63	11.63	1.00																	Shale		
RRMDD016	11.63	11.93	0.30																	Shale		
RRMDD016	11.93	12.93	1.00																	Shale/Siltstone		
RRMDD016	12.93	13.93	1.00																	Shale/Siltstone		
RRMDD016	13.93	14.93	1.00																	Shale/Siltstone		
RRMDD016	14.93	15.93	1.00																	Siltstone/shale		
RRMDD016	15.93	16.64	0.71																	Siltstone/shale		
RRMDD016	16.64	17.03	0.39																	Siltstone/shale	**Results Pending**	
RRMDD016	17.03	17.80	0.77																	Siltstone		
RRMDD016	17.80	18.78	0.98																	Siltstone		
RRMDD016	18.78	19.35	0.57																	Siltstone		
RRMDD016	19.35	20.35	1.00																	Sandstone		
RRMDD016	20.35	20.86	0.51																	Sandstone		
RRMDD016	20.86	21.69	0.83																	Siltstone		

JORC Code, 2012 Edition – Table 1 report

Section 1 Sampling Techniques and Data

(Criteria in this section apply to all succeeding sections.)

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	**Diamond Core Drilling** Drill core was collected from a core barrel and placed in appropriately marked core trays. Down hole core run depths were measured and marked with core blocks. Core was measured for core loss and core photography and geological logging completed. Sample lengths were determined by geological boundaries with a maximum sample length of 1 metre applied in clay zones and up to 2 metres in laterite zones where core recovery was occasionally low. Where the core contained continuous lengths of soft clay a carving knife was used to cut the core. When the core was too hard to knife cut it was cut using an electric core saw. Using either method core was initial cut in half then one half was further cut in half to give quarter core. Quarter core was submitted to ALS for chemical analysis using industry standard sample preparation and analytical techniques. Half core was collected for metallurgical testwork.
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	**Diamond Core Drilling** Core size was HQ triple tube. The core was not oriented (vertical)
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	**Diamond Drilling** Core recovery was calculated by measuring actual core length versus drillers core run lengths. Core recovery ranged from 70% to 100% and averaged 97%. No relationship exists between core recovery and grade.

<table>
<tr><th>Criteria</th><th>JORC Code explanation</th><th>Commentary</th></tr>
<tr><td>Logging</td><td>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.
Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.
The total length and percentage of the relevant intersections logged.</td><td>All (100%) drill core has been geologically logged and core photographs taken.

Logging is qualitative with description of colour, weathering status, alteration, major and minor rock types, texture, grain size and comments added where further observation is made.

Additional non-geological qualitative logging includes comments for sample recovery, humidity, and hardness for each logged interval.</td></tr>
<tr><td>Sub-sampling techniques and sample preparation</td><td>If core, whether cut or sawn and whether quarter, half or all core taken.
If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.
For all sample types, the nature, quality and appropriateness of the sample preparation technique.
Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.
Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.
Whether sample sizes are appropriate to the grain size of the material being sampled.</td><td>Diamond Drill Core

Where the core contained continuous lengths of soft clay a carving knife was used to cut the core. When the core was too hard to knife cut it was cut using an electric core saw.

Sample lengths were determined by geological boundaries with a maximum sample length of 1 metre applied in clay zones and up to 2 metres in laterite zones where core recovery was occasionally low.

Samples were collected from core trays by hand and placed in individually numbered bags. These bags were dispatched to ALS for analysis with no further field preparation.

Sample weights were recorded prior to sample dispatch. Sample mass is considered appropriate for the grain size of the material being sampled that is generally very fine grained and uniform.

Field duplicate sampling was conducted at a ratio of 1:25 samples. Duplicates were created by lengthways halving the ¼ core primary sample into 2 identical portions. Duplicate samples were allocated separate sample numbers and submitted with the same analytical batch as the primary sample.</td></tr>
<tr><td>Quality of assay data and laboratory tests</td><td>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.
For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.
Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.</td><td>Assay and Laboratory Procedures – All Samples

Samples were dispatched by air freight direct to ALS laboratory Perth Australia. The preparation and analysis protocol used is as follows:

<table><tr><th>ALS Code</th><th>Description</th></tr><tr><td>WEI-21</td><td>Received sample weight</td></tr></table></td></tr>
</table>

Criteria	JORC Code explanation	Commentary

LOG-22	Sample Login w/o Barcode
DRY-21	High temperature drying
CRU-21	Crush entire sample
CRU-31	Fine crushing – 70% <2mm
SPL-22Y	Split sample – Boyd Rotary Splitter
PUL-31h	Pulverise 750g to 85% passing 75 micron
CRU-QC	Crushing QC Test
PUL-QC	Pulverising QC test

The assay technique used for REE was Lithium Borate Fusion ICP-MS (ALS code ME-MS81). This is a recognised industry standard analysis technique for REE suite and associated elements. Elements analysed at ppm levels:

Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga
Gd	Hf	Ho	La	Lu	Nb	Nd	Pr
Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm
U	V	W	Y	Yb	Zr		

Analysis for scandium (Sc) was by Lithium Borate Fusion ICP-AES (ALS code Sc-ICP06).

The sample preparation and assay techniques used are industry standard and provide a total analysis.

All laboratories used are ISO 17025 accredited

QAQC

<u>Diamond Drill Core Samples</u>

Criteria	JORC Code explanation	Commentary
		• Analytical Standards CRM AMIS0275 and AMIS0276 were included in sample batches at a ratio of 1:25 to drill samples submitted. This is an acceptable ratio. The assay results for the standards were consistent with the certified levels of accuracy and precision and no bias is evident. • Blanks CRM blanks AMIS0681 and OREAS22e were included in sample batches at a ratio of 1:25 to drill samples submitted for analysis. This is an acceptable ratio. Both CRM blanks contain some REE, with elements critical elements Ce, Nd, Dy and Y present in small quantities. The analysis results were consistent with the certified values for the blanks. No laboratory contamination or bias is evident from these results. • Duplicates Field duplicate sampling was conducted at a ratio of 1:25 samples. Duplicates were created by lengthways halving the ¼ core primary sample into 2 identical portions. Duplicate samples were allocated separate sample numbers and submitted with the same analytical batch as the primary sample. Variability between duplicate results is considered acceptable and no sampling bias is evident. Laboratory inserted standards, blanks and duplicates were analysed as per industry standard practice. There is no evidence of bias from these results.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	No independent verification of significant intersection undertaken. No twinning of diamond core drill holes was undertaken. Sampling protocols for diamond core sampling and QAQC were documented and held on site by the responsible geologist. No procedures for data storage and management have been compiled as yet. Data were collected in the field by hand and entered into Excel spreadsheet. Data are then compiled with assay results compiled and stored in Access database. Data verification is conducted on data entry including hole depths, sample intervals and sample numbers. Sample numbers from assay data are verified by algorithm in spreadsheet prior to entry int the database.

Criteria	JORC Code explanation	Commentary

Assay data was received in digital format from the laboratory and merged with the sampling data into an Excel spreadsheet format for QAQC analysis and review against field data. Once finalised and validated data is stored in a protected Access database.

Data validation of assay data and sampling data have been conducted to ensure data entry is correct.

All assay data is received from the laboratory in element form is unadjusted for data entry.

Conversion of elemental analysis (REE) to stoichiometric oxide (REO) was undertaken by spreadsheet using defined conversion factors.(Source:https://www.jcu.edu.au/advanced-analytical-centre/services-and-resources/resources-and-extras/element-to-stoichiometric-oxide-conversion-factors)

Element ppm	Conversion Factor	Oxide Form
Ce	1.1713	Ce_2O_3
Dy	1.1477	Dy_2O_3
Er	1.1435	Er_2O_3
Eu	1.1579	Eu_2O_3
Gd	1.1526	Gd_2O_3
Ho	1.1455	Ho_2O_3
La	1.1728	La_2O_3
Lu	1.1371	Lu_2O_3
Nd	1.1664	Nd_2O_3
Pr	1.1703	Pr_2O_3
Sm	1.1596	Sm_2O_3
Tb	1.151	Tb_2O_3
Tm	1.1421	Tm_2O_3
Y	1.2699	Y_2O_3

Criteria	JORC Code explanation	Commentary
		<table><tr><td>Yb</td><td>1.1387</td><td>Yb_2O_3</td></tr></table> Rare earth oxide is the industry accepted form for reporting rare earths. The following calculations are used for compiling REO into their reporting and evaluation groups: TREO (Total Rare Earth Oxide) = La_2O_3 + Ce_2O_3 + Pr_2O_3 + Nd_2O_3 + Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_2O_3 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3 + Y_2O_3 + Lu_2O_3. Note that Y_2O_3 is included in the TREO calculation. HREO (Heavy Rare Earth Oxide) = Sm_2O_3 + Eu_2O_3 + Gd_2O_3 + Tb_2O_3 + Dy_2O_3 + Ho_2O_3 + Er_2O_3 + Tm_2O_3 + Yb_2O_3, + Y_2O_3 + Lu_2O_3 CREO (Critical Rare Earth Oxide) = Nd_2O_3 + Eu_2O_3 + Tb_2O_3 + Dy_2O_3 + Y_2O_3 LREO (Light Rare Earth Oxide) = La_2O_3 + Ce_2O_3 + Pr_2O_3 + Nd_2O_3 HREO% of TREO= HREO/TREO x 100 In elemental form the classifications are: TREE: La+Ce+Pr+Nd+Sm+Eu+Gd+Tb+Dy+Ho+Er+Tm+Yb+Lu+Y CREE: Nd+Eu+Tb+Dy+Y LREE: La+Ce+Pr+Nd
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	Drill hole collar locations were surveyed using handheld GPS. For this type of instrument, the general accuracy in x and y coordinates is ± 5m. The elevation component of coordinates is variable and may be low using this type of device. Datum WGS84 Zone 36 North was used for location data collection and storage. This is the appropriate datum for the project area. No grid transformations were applied to the data. No downhole surveys were conducted. As all holes were vertical and shallow, the rig setup was checked using a spirit level for horizontal and vertical orientation Any deviation will be insignificant given the short lengths of the holes

Criteria	JORC Code explanation	Commentary
		Detailed topographic data was not sourced or used.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	Drilling was conducted on a nominal 400m x 400m spacing. Historic RAB drilling has also been conducted on this spacing however the diamond drilling was offset by 200m from the RAB drilling There has been no resource estimate made on the project.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	The Makuutu mineralisation is interpreted to be in a flat lying weathered profile including cover soil, lateritic caprock, clays transitioning to saprolite and saprock. Below the saprock are fresh shales, siltstones and mudstones. Pit mapping and diamond drilling indicate the mineralised regolith to be generally horizontal All drill holes are vertical which is appropriate for horizontal bedding and regolith profile.
Sample security	• *The measures taken to ensure sample security.*	After collection, the samples were transported by Company representatives to Entebbe airport and dispatched via airfreight to Perth Australia. Samples were received by Australian customs authorities in Perth within 48 hours of dispatch and were still contained in the sealed shipment bags. Samples were subsequently transported from Australian customs to ALS Perth via road freight and inspected on arrival by a Company representative.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	No audits or reviews have been undertaken

Section 2 Reporting of Exploration Results

(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.*	The Makuutu Project comprises one (1) granted Retention Licence (RL1693), one (1) Retention Licence application (TN3115), and one (1) Exploration Licence (EL1766). The granted tenements RL1693 and EL1766 are in good standing and no known impediments exist. The application T3115 was formerly a portion

Criteria	JORC Code explanation	Commentary
	• *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	of a larger Exploration Licence. Exploration work conducted on this licence included 27 RAB holes, the only diamond drill hole and 19 of the 2012 pits. The application area is excluded from field work until grant of TN3115. All licences are located in Republic of Uganda. All licences are held 100% by Ugandan registered Rwenzori Rare Metals Limited (RRM) which in turn is owned 85% by South African registered Rare Earth Elements Africa Proprietary Limited (REEA) Oro Verde has entered into a binding option agreement with both companies that enables it to acquire up to a 60% direct interest in RRM, and thereby up to a 60% indirect interest in the Project by: 1. The payment of US$10,000 for a 30-day exclusive option period; 2. Upon exercise of the option, the payment of US$100,000 cash and issuing US$150,000 in Oro Verde shares, at a 30-day VWAP in return for an immediate 20% interest in RRM; 3. OVL to contribute US$1,700,000 of expenditure by 1 October 2020 to earn up to a 51% staged interest in RRM as follows

Spend	**Interest earned**	**Cumulative Interest earned**
Exercise of Option US$100,000 as in 2 above	20%	20%
Expenditure contribution of US$650,000	11%	31%
Expenditure contribution of further US$800,000	15%	46%

4. Oro Verde to fund to completion of a bankable feasibility study to earn an additional 9% interest for a cumulative 60% interest in RRM.
5. During the earn-in phase there are milestone payments, payable in cash or Oro Verde shares at the election of the Vendor, as follows:
    - US$750,000 on the Grant of Retention licence over RL1693

Criteria	JORC Code explanation	Commentary
		which is due to expire in November 2020; • US$375,000 on production of 10 kg of mixed rare-earth product from pilot or demonstration plant activities; and • US$375,000 on conversion of existing licences to mining licences. • At any time should Oro Verde not continue to invest in the project and project development ceases for at least two months RRM has the right to return the capital sunk by Oro Verde and reclaim all interest earnt by Oro Verde.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	Previous exploration includes: 1980: Country wide airborne geophysical survey identifying uranium anomalies in the Project area. 1990s: French BRGM and Ugandan DGSM undertook geochemical and geological survey over South-Eastern Uganda including the Project area. Anomalous Au, Zn, Cu, Sn, Nb and V identified. 2006-2009: Country wide high resolution airborne magnetic and radiometric survey identified U anomalism in the Project area. 2009: Finland GTK reprocessed radiometric data and refined the Project anomalies. 2010: Kweri Ltd undertook field verification of radiometric anomalies including scout sampling of existing community pits. Samples showed an enrichment of REE and Sc. 2011: Kweri Ltd conducted ground radiometric survey and evaluated historic groundwater borehole logs. 2012: Kweri Ltd and partner Berkley Reef Ltd conducted prospect wide pit excavation and sampling of 48 pits and a ground gravity traverse. Pit samples showed enrichment of REE weathered profile. Five (5) samples sent to Toronto Aqueous Research Laboratory for REE leach testwork. 2016 – 2017: Rwenzori Rare Metals conduct excavation of 11 pits, ground gravity survey, RAB drilling (109 drill holes) and one (1) diamond drill hole. The historic exploration has been conducted to a professional standard and is appropriate for the exploration stage of the prospect.

Criteria	JORC Code explanation	Commentary
Geology	• *Deposit type, geological setting and style of mineralisation.*	The Makuutu deposit is interpreted to be an ionic adsorption REE clay-type deposits similar to those in South China, Madagascar and Brazil. The mineralisation is contained within the tropical lateritic weathering profile of a basin filled with sedimentary rocks including shales, mudstones and sandstones potentially derived from the surrounding granitic rocks. These granitic rocks are considered the original source of the REE which were then accumulated in the sediments of the basin as the granites have degraded. These sediments then form the protolith that was subjected to prolonged tropical weathering. The weathering developed a lateritic regolith with a surface indurated hardcap, followed downward by clay rich zones that grade down through saprolite and saprock to unweathered sediments. The thickness of the regolith is between 10 and 20 metres from surface. The REE mineralisation is concentrated in the weathered profile where it has dissolved from its primary mineral form, such as monazite and xenotime, then adsorbed on to fine particles of aluminosilicate clays (e.g. kaolinite, illite, smectite). This adsorbed REE is the target for extraction and production of REO. There is insufficient geological study to determine any geological disruptions, such as faults or dykes, that may cause variability in the mineralisation.

Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*
	  ○ *easting and northing of the drill hole collar*
	  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  ○ *dip and azimuth of the hole*
	  ○ *down hole length and interception depth*
	  ○ *hole length.*
	• *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly*
		The material information for drill holes relating to this announcement are contained in Appendix 1.

Criteria	JORC Code explanation	Commentary
	explain why this is the case.	
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high-grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	A lower cut-off of 500 ppm TREO was used for data aggregation of significant intervals with a maximum of 2 metres of internal dilution and no top-cuts applied. Significant intervals were tabulated downhole for reporting. All individual samples were included in length weighted averaging over the entire tabulated range. No metal equivalents values are used.
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	Down hole lengths, true widths are not known. The mineralisation is interpreted to be horizontal, flat lying sediments and weathering profile, with the vertical drilling perpendicular to mineralisation. Any internal variations to REE distribution within the horizontal layering was not defined, therefore the true width is considered not known.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	Refer to diagrams in body of text.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	This report contains all drilling results that are consistent with the JORC guidelines. Where data may have been excluded, it is considered not material.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	Metallurgical leach testing was previously conducted on samples derived from exploration pits, RAB drilling, and one 8.5 tonne bulk pit sample. In 2012, 5 pit samples were sent to the Toronto Aqueous Research Laboratory at the University of Toronto for leachability tests In 2017, 2 pit samples were sent to SGS Laboratory Toronto for leachability tests. 2017/18, 29 samples were collected from 7 RAB drill holes. 20 of these were consigned to SGS Canada and 4 to Aqueous Process Research

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		(APR) in Ontario Canada. The remaining 5 samples were consigned to Bio Lantanidos in Chile. 2018/19, 8.5 tonne bulk sample was consigned to Mintek, South Africa, to evaluate using Resin-in-leach (RIL) technology for the recovery of REE. Evaluation of results from these programs and testing from samples generated by the drilling program under this Table 1 is ongoing.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	Future work programs are intended to evaluate the economic opportunity of the project including extraction recovery maximisation, resource definition and estimation on the known areas of mineralisation, regional exploration on adjoining licences and compilation of a Preliminary Economic Assessment (PEA)