

TRANCHE 5 DRILLING RESULTS CONFIRM MINERALISATION IN MAKUUTU WESTERN ZONE

- **Tranche 5 drill assays confirm REE clay mineralisation close to surface at Makuutu Western Zone, with numerous thick intervals confirmed**
- **34 of 38 holes intersected REE clay mineralisation above MRE cut-off grade which is very encouraging for potential future upgrades**

Ionic Rare Earths Limited (“**IonicRE**” or “the Company”) (ASX: IXR) is pleased to provide an update on the receipt of tranche five (5) drill assays from the recently completed Phase 2 drill program at its 51% owned Makuutu Rare Earths Project (“**Makuutu**”) in Uganda.

Drill assay results have been received for drill holes RRMDD174 to 211 drilled on the Makuutu Western Zone (MWZ) exploration target areas A, B and C illustrated on Figure 1. Intervals above the resource cut-off grade of 300ppm TREO-Ce₂O₃ were achieved in 34 of these 38 holes.

Notable intercepts for grade and thickness are:

- RRMDD190 8.8 metres at 612 ppm TREO from 4.9 metres
- RRMDD197 8.4 metres at 700 ppm TREO from 2.3 metres
- RRMDD205 12.5 metres at 728 ppm TREO from 4.0 metres
- RRMDD206 11.7 metres at 621 ppm TREO from 4.1 metres
- RRMDD211 8.7 metres at 609 ppm TREO from 5.3 metres

Ionic Rare Earths Managing Director Mr. Tim Harrison commented:

“These results confirm the extent of the REE clay mineralisation in the western zone at Makuutu. The grade and thickness reported is as expected and consistent with other areas of the Makuutu project area. These tranche 5 results originate from an exploration target area of approximately 4.5 square kilometers so we can expect based upon the results a sizable contribution towards the resource update in Q1 2021. We expect this to have a positive impact on future Scoping Study revisions.”

Drilling Results

The fifth tranche of assay results for the Makuutu resource expansion program have been received from the Phase 2 drill program which consisted of 3,745 metres of core drilling across the three (3) granted tenements at Makuutu. The aim of the program was to validate the Company’s Exploration Target (set out within), quantify the potential of the 26-kilometre-long Makuutu mineralisation corridor and provide data for an upcoming mineral resource expansion, all of which has proven to be

successful. Since that time, the newly awarded Exploration Licences (ASX: 14 December 2020) have extended the Makuutu mineralisation corridor to 37-kilometres in length.

The Phase 2 drill program tested an area which is more than three (3) times greater than the area covered by the existing mineral resource estimate.

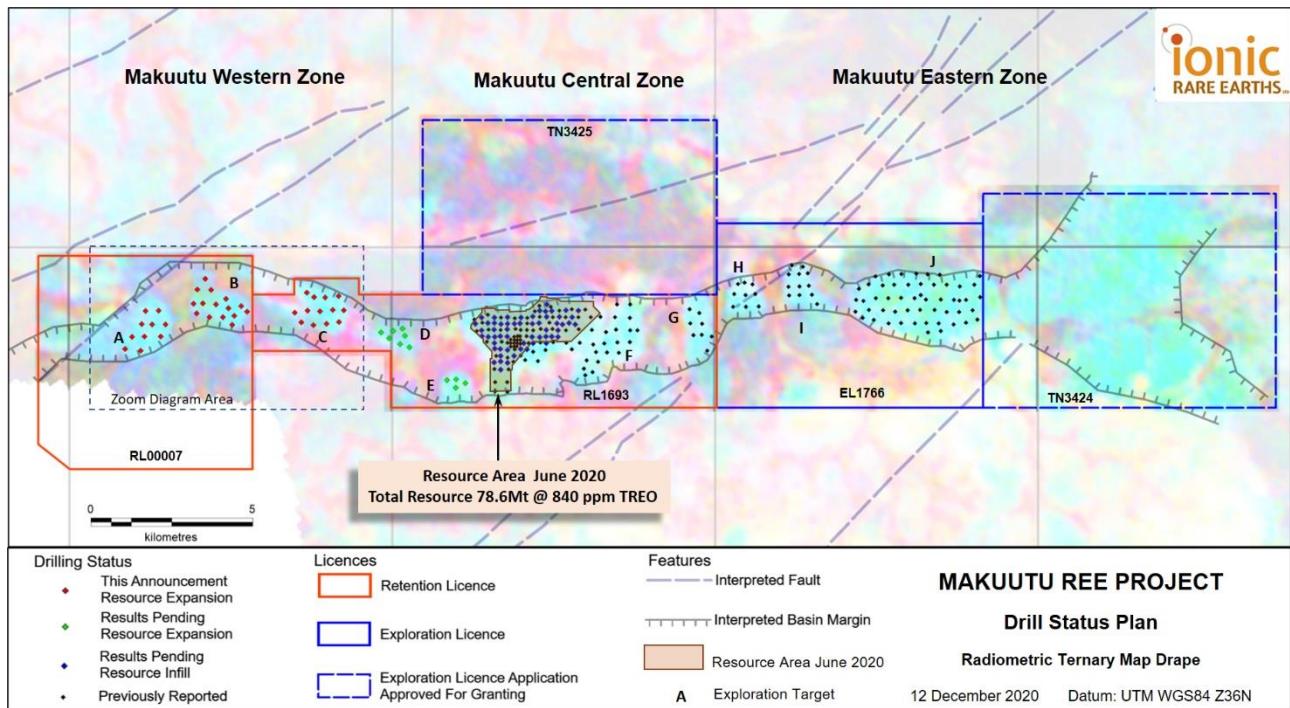


Figure 1: Drill program status plan showing drill holes covering over 26 kilometres of the Makuutu Rare Earths Project with the MRE and target areas. Zoom area diagram shown in Figure 2

The drill results reported in this tranche are for 38 drill holes in the MWZ testing Exploration Target areas A, B and C as described below and illustrated in Figure 2.

Resource Expansion Area A: Ten (10) resource expansion drill holes (RRMDD188 to 197) on a discrete plateau centered approximately 10 kilometres west of the current MRE boundary. The plateau is approximately 1.60 kilometres long and 1.2 kilometres wide. Holes were drilled on a 400 metre x 400 metre grid. All holes intersected clay and saprolite hosted mineralisation above the resource cut-off grade consistent with the style seen in the Makuutu Central Zone with notable intersections:

- RRMDD188 4.0 metres at 693 ppm TREO from 3.2 metres
- RRMDD190 8.8 metres at 612 ppm TREO from 4.9 metres
- RRMDD197 8.4 metres at 700 ppm TREO from 2.3 metres

Resource Expansion Area B: Fifteen (15) resource expansion drill holes (RRMDD174 to 187 and 198) on a discrete plateau centered approximately 8 kilometres west of the current MRE boundary. The plateau is approximately 1.6 kilometres long and 1.0 kilometre wide. Holes were drilled on a 400 metre x 400 metre grid. Thirteen (13) holes intersected clay and saprolite hosted mineralisation above the resource cut-off grade. The mineralised clay and saprolite intersections are consistent with the style seen in the Makuutu Central Zone however most holes had clay intersections

interbedded with unmineralised sand intervals. This suggests the mineralisation is likely to be less continuous within and between holes in this area. The two holes that did not intersect mineralisation (RRMDD181 and 187) were both on the margin of the plateau. Notable intersections are:

- RRMDD177 14.6 metres at 563 ppm TREO from 7.3 metres
- RRMDD178 3.9 metres at 789 ppm TREO from 5.8 metres
- RRMDD186 4.7 metres at 651 ppm TREO from 6.9 metres
- RRMDD188 4.0 metres at 693 ppm TREO from 4.8 metres

Resource Expansion Area C: Thirteen (13) resource expansion drill holes (RRMDD199 to 211) on a discrete plateau centered approximately 5 kilometres west of the current MRE boundary. The plateau is approximately 1.0 kilometre long and 1.2 kilometres wide. Holes were drilled on a 400 metre x 400 metre grid. Eleven (11) holes intersected clay and saprolite hosted mineralisation above the resource cut-off grade. As with Area B some holes contained unmineralised sand interbedding, particularly those on the western most area of the plateau (RRMDD200 to 203) however the central and eastern plateau areas showed only minor sand units and some thick mineralised intersections. Notable intersections are:

- RRMDD205 12.5 metres at 728 ppm TREO from 4.0 metres
- RRMDD206 11.7 metres at 621 ppm TREO from 4.1 metres
- RRMDD211 8.7 metres at 609 ppm TREO from 5.3 metres

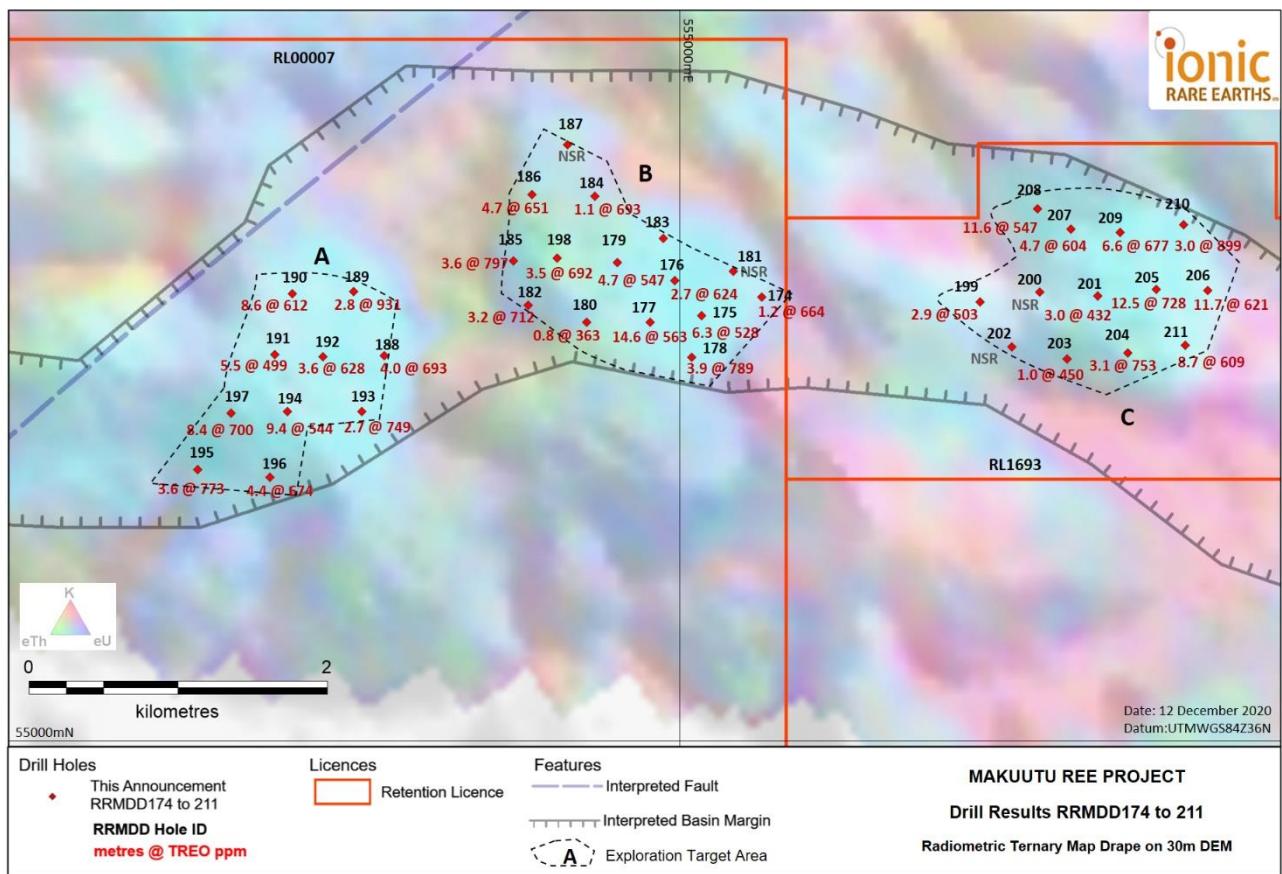


Figure 2: Makuuutu Western Zone drill plan with drill holes RRMDD174 to 211 showing intersections greater than 300ppm TREO-Ce₂O₃.

Drilling Program

The Phase 2 drilling program totaled 3,745 metres of drilling from 222 holes with the following objectives:

- 1) In-fill drilling within the area of the current Mineral Resource (on tenement RL 1693) to assess short range REE grade variability for application to resource grade estimation confidence – *11 drill holes completed and reported 10th September 2020.*
- 2) Resource extensional drilling to expand the current Mineral Resource area further to the east (on tenement RL 1693) – *37 drill holes completed and reported by 26th September 2020.*
- 3) Exploration drilling on adjacent tenement EL 1766, or Makuutu Eastern Zone (MEZ) – *68 holes completed. 68 holes completed and reported in two releases on 5th November 2020 and 23rd November 2020*
- 4) Exploration drilling on tenement RL 00007, or Makuutu Western Zone (MWZ) – *25 drill holes completed. All results released in this announcement.*
- 5) Exploration drilling on the western side of the current Mineral Resource area further to the west (on tenement RL 1693) – *13 holes released in this announcement with samples from 12 drill holes currently in the Perth assay laboratory.*
- 6) In-fill drilling within the area of the current Mineral Resource (on tenement RL 1693) to enhance resource grade estimation confidence. – *57 drill holes completed. Samples from all drill holes currently at the Perth assay laboratory.*

This drill program is the largest undertaken on the Project to date, and is a material increase on the previous 990 metres of core drilling which delivered a MRE announced to the ASX on 23rd June 2020 and set out in Table 1, of:

78.6 Million tonnes @ 840 ppm TREO, at a cut-off grade of 300 ppm TREO-Ce₂O₃

The current drill program has tested the 26-kilometre-long Makuutu mineralisation corridor covering all the areas included in the initial Exploration Target* of **270 – 530 million tonnes grading 0.04 – 0.1% (400 – 1,000 ppm) TREO** as announced to the ASX on 4th September 2019.

*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.

All remaining geochemical and metallurgical samples from the program have now been received in Perth and are the subject of further analysis and testwork.

Mineral Resource Update

A Mineral Resource Estimate update is scheduled to be conducted once all drill hole assays have been reported. Due to advised assay backlogs and elevated sample quantities at the assay lab, it is expected all drill hole assay data will be received by the mid-January 2020, with the MRE update nominally in early Q1 2021.

18 December 2020

Makuutu Rare Earths Project Status

Given the material increase in the Mineral Resource Estimate that is expected in Q1 2021, the Company will be completing an update of the Scoping Study (“Study”) to reflect the significantly increased scale of the Makuutu. The updated Study will potentially feature multiple process modules and present options for accelerated production capacity ramp up further to the scenarios considered in the Study.

The Company has been advised by the Uganda Directorate of Geological Survey and Mines (DGSM) that the renewal of Retention Licence RL1693 has been approved and the applications for Exploration Licences (TN3424 and TN3425 on Figure 1) have also been approved for granting.

Table 1: Makuutu Resource above 300ppm TREO-Ce₂O₃ Cut-off Grade.

Resource Classification	Tonnes (millions)	TREO (ppm)	TREO-Ce ₂ O ₃ (ppm)	LREO (ppm)	HREO (ppm)	CREO (ppm)
Indicated Resource	9.5	750	520	550	200	280
Inferred Resource	69.1	860	620	640	210	320
Total Resource	78.6	840	610	630	210	310

Rounding has been applied to 0.1Mt and 10ppm which may influence grade average calculations.

Table 2: Makuutu Rare Earths Project Core Hole Details This Announcement (Datum UTM WGS84 Zone 36N)

Drill Hole ID	UTM East (m.)	UTM North (m.)	Elevation (m.a.s.l.)	Drill Type	Hole Length EOH (m.)	Azimuth	Inclination
RRMDD174	555545	57973	1155	HQ DD	19.00	0	-90
RRMDD175	555143	57846	1165	HQ DD	15.90	0	-90
RRMDD176	554961	58082	1164	HQ DD	25.20	0	-90
RRMDD177	554794	57802	1170	HQ DD	27.00	0	-90
RRMDD178	555076	57569	1168	HQ DD	23.50	0	-90
RRMDD179	554577	58202	1164	HQ DD	21.10	0	-90
RRMDD180	554370	57804	1167	HQ DD	20.10	0	-90
RRMDD181	555354	58143	1158	HQ DD	17.00	0	-90
RRMDD182	553975	57916	1156	HQ DD	15.00	0	-90
RRMDD183	554883	58364	1160	HQ DD	21.70	0	-90
RRMDD184	554426	58648	1155	HQ DD	26.90	0	-90
RRMDD185	553878	58216	1154	HQ DD	10.90	0	-90
RRMDD186	554002	58658	1155	HQ DD	15.00	0	-90
RRMDD187	554243	58992	1152	HQ DD	16.10	0	-90
RRMDD188	553012	57579	1155	HQ DD	12.50	0	-90
RRMDD189	552804	58008	1158	HQ DD	12.70	0	-90
RRMDD190	552394	57995	1168	HQ DD	18.50	0	-90
RRMDD191	552278	57586	1173	HQ DD	24.40	0	-90
RRMDD192	552599	57571	1169	HQ DD	11.30	0	-90
RRMDD193	552861	57205	1162	HQ DD	14.00	0	-90
RRMDD194	552362	57206	1172	HQ DD	16.30	0	-90
RRMDD195	551759	56815	1153	HQ DD	8.00	0	-90
RRMDD196	552245	56762	1162	HQ DD	22.00	0	-90
RRMDD197	551983	57192	1171	HQ DD	12.90	0	-90
RRMDD198	554173	58233	1160	HQ DD	12.80	0	-90
RRMDD199	557012	57938	1162	HQ DD	18.00	0	-90
RRMDD200	557409	58005	1165	HQ DD	11.20	0	-90
RRMDD201	557800	57979	1170	HQ DD	19.30	0	-90
RRMDD202	557223	57639	1166	HQ DD	12.00	0	-90
RRMDD203	557594	57558	1165	HQ DD	23.80	0	-90
RRMDD204	558003	57598	1164	HQ DD	21.80	0	-90
RRMDD205	558192	58025	1165	HQ DD	17.20	0	-90
RRMDD206	558539	58016	1152	HQ DD	17.00	0	-90
RRMDD207	557619	58427	1169	HQ DD	18.90	0	-90
RRMDD208	557394	58564	1165	HQ DD	16.70	0	-90
RRMDD209	557951	58407	1171	HQ DD	12.50	0	-90
RRMDD210	558378	58457	1161	HQ DD	10.20	0	-90
RRMDD211	558385	57648	1157	HQ DD	17.00	0	-90

Authorised for release by Brett Dickson, Company Secretary.

***** ENDS *****

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Competent Person Statements

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 Ionic Rare Earths Ltd. 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.

Information in this report that relates to previously reported Exploration Targets and Exploration Results has been crossed-referenced in this report to the date that it was originally reported to ASX. Ionic Rare Earths Limited confirms that it is not aware of any new information or data that materially affects information included in the relevant market announcements.

The information in this report that relates to Mineral Resources for the Makuutu Rare Earths deposit was first released to the ASX on 23 June 2020 and is available to view on www.asx.com.au. Ionic Rare Earths Limited confirms that it is not aware of any new information or data that materially affects information included in the relevant market announcement, and that all material assumptions and technical parameters underpinning the estimates in the announcement continue to apply and have not materially changed.

Appendix 1: Diamond Core Drilling Analytical Results RRMDD174 to RRMDD211 Including Highlighted Intersections >300 ppm TREO-Ce₂O₃
(Note: Rounding will cause minor value differences)

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	Length (m)	TREO ppm
RRMDD174	0.0	0.8	0.8	41.5	98.0	7.2	24.6	4.1	0.7	3.9	0.6	4.1	0.9	2.7	0.4	0.6	0.4	27.3	217	Soil			
RRMDD174	0.8	1.8	1.0	41.6	97.0	7.3	25.4	4.4	0.7	3.7	0.6	4.1	0.9	2.7	0.4	0.6	0.5	28.2	218	Soil			
RRMDD174	1.8	2.2	0.5	33.9	83.4	6.3	22.0	4.2	0.7	3.8	0.6	4.1	0.9	2.7	0.5	0.6	0.5	29.5	194	Soil			
RRMDD174	2.2	2.8	0.5	46.0	137.6	8.6	29.4	5.2	0.9	4.5	0.7	4.8	1.0	3.2	0.5	0.7	0.6	31.4	275	Transition			
RRMDD174	2.8	3.6	0.8	48.8	190.3	9.2	31.1	5.5	1.0	5.0	0.8	5.3	1.1	3.4	0.6	0.8	0.6	33.1	337	Clay			
RRMDD174	3.6	4.7	1.1	57.0	123.6	10.1	32.7	5.4	1.0	5.3	0.9	5.2	1.1	3.2	0.5	0.8	0.5	34.3	282	Clay			
RRMDD174	4.7	5.7	1.0	69.9	144.7	13.0	41.6	6.3	1.2	6.1	0.9	5.5	1.1	3.5	0.6	0.9	0.5	36.8	332	Clay			
RRMDD174	5.7	6.7	1.0	79.8	166.9	15.7	50.2	7.7	1.4	6.3	0.9	5.7	1.1	3.3	0.5	0.9	0.5	36.6	378	Clay			
RRMDD174	6.7	7.8	1.2	137.8	271.7	30.4	103.2	16.2	2.9	12.8	1.8	10.7	2.1	5.6	0.8	1.8	0.8	65.4	664	Clay	1.2	664	
RRMDD174	7.8	8.9	1.0	47.9	114.4	10.8	36.6	6.1	1.1	5.0	0.8	4.7	0.9	2.6	0.4	0.8	0.3	27.6	260	Clay			
RRMDD174	8.9	9.9	1.0	48.4	101.1	10.7	39.1	6.9	1.3	6.0	1.0	5.3	1.1	3.1	0.5	0.9	0.4	34.3	260	Clay			
RRMDD174	9.9	10.1	0.2	43.3	79.6	9.1	33.8	6.4	1.3	5.8	0.9	5.2	1.1	3.2	0.5	0.9	0.4	34.4	226	Clay			
RRMDD174	10.1	10.7	0.6	49.5	57.9	10.5	39.1	7.2	1.4	6.8	1.0	5.7	1.1	3.3	0.5	1.0	0.5	38.9	224	Clay			
RRMDD174	10.7	11.4	0.7	29.3	29.9	5.8	21.7	4.0	0.8	3.6	0.6	3.3	0.7	2.2	0.3	0.6	0.3	23.4	127	Clay			
RRMDD174	11.4	12.0	0.6	57.5	50.1	13.6	52.0	10.6	2.0	9.2	1.4	7.5	1.5	4.4	0.6	1.4	0.5	48.5	261	Clay			
RRMDD174	12.0	12.5	0.5	12.8	11.4	2.6	9.3	1.7	0.3	1.6	0.3	1.5	0.3	1.0	0.1	0.3	0.2	11.3	55	Upper Saprolite			
RRMDD174	12.5	13.1	0.6	85.3	89.7	17.0	64.2	10.5	2.1	9.7	1.3	7.3	1.5	4.3	0.6	1.3	0.6	59.1	354	Upper Saprolite	0.6	643	
RRMDD174	13.1	13.7	0.6	158.9	202.0	29.7	107.8	17.0	3.5	14.9	2.0	10.5	2.1	6.0	0.8	2.0	0.7	84.7	643	Upper Saprolite			
RRMDD174	13.7	14.8	1.1	70.5	111.9	13.2	46.7	7.6	1.5	5.7	0.8	4.0	0.7	2.2	0.3	0.8	0.3	25.9	292	Saprock			
RRMDD174	14.8	15.8	1.0	33.0	58.9	6.9	23.3	3.9	0.8	2.8	0.4	2.0	0.4	1.2	0.2	0.4	0.2	11.9	146	Saprock			
RRMDD174	15.8	16.8	1.0	40.3	71.3	7.8	25.4	3.7	0.8	2.5	0.3	1.9	0.4	1.2	0.2	0.3	0.2	11.3	168	Saprock			
RRMDD174	16.8	17.8	1.0	48.0	92.5	11.1	44.1	9.7	2.2	8.6	1.2	6.5	1.3	3.7	0.5	1.2	0.5	43.3	274	Saprock			
RRMDD174	17.8	18.4	0.6	77.9	123.6	14.1	53.2	9.7	2.0	8.4	1.1	5.7	1.1	3.2	0.4	1.1	0.4	36.8	339	Saprock			
RRMDD174	18.4	19.0	0.6	41.2	74.6	9.4	38.0	8.5	2.0	8.2	1.1	5.6	1.1	2.8	0.4	1.1	0.4	36.2	230	Saprock			
RRMDD175	0.0	0.7	0.7	96.3	181.0	23.0	85.1	16.1	2.6	13.1	2.0	12.0	2.5	6.9	1.0	2.0	1.0	72.4	517	Soil			
RRMDD175	0.7	1.5	0.7	98.3	189.2	24.0	87.5	16.1	2.8	13.3	2.1	12.5	2.5	7.0	1.0	2.1	1.0	73.1	532	Soil			
RRMDD175	1.5	2.2	0.8	94.6	199.7	23.8	86.4	16.1	2.6	13.4	2.1	12.5	2.5	7.2	1.1	2.1	1.1	73.9	539	Soil			
RRMDD175	2.2	2.8	0.6	76.9	138.8	13.3	43.5	7.5	1.3	5.7	0.9	5.8	1.2	3.5	0.6	0.9	0.5	30.6	331	Hardcap			
RRMDD175	2.8	3.5	0.7	125.5	217.9	24.0	81.8	13.2	2.2	10.6	1.6	9.8	2.0	6.0	0.9	1.6	0.9	62.5	560	Transition			
RRMDD175	3.5	4.2	0.7	87.3	166.3	18.3	63.6	11.0	1.8	8.7	1.4	8.4	1.7	5.1	0.8	1.4	0.8	51.6	428	Transition			
RRMDD175	4.2	5.1	0.9	53.5	85.2	12.3	46.0	8.4	1.4	6.3	1.0	6.3	1.2	3.8	0.5	1.0	0.6	35.7	263	Mottled			
RRMDD175	5.1	5.9	0.8	49.8	68.9	12.1	45.8	8.6	1.5	6.8	1.1	6.6	1.4	4.2	0.6	1.1	0.6	42.0	251	Clay			
RRMDD175	5.9	6.9	1.0	20.1	45.0	5.2	20.9	4.4	0.9	4.2	0.7	4.4	0.9	2.8	0.4	0.7	0.4	27.4	138	Clay			
RRMDD175	6.9	7.8	0.9	14.3	38.5	4.0	17.4	3.9	0.9	3.8	0.6	3.8	0.8	2.4	0.3	0.6	0.4	25.0	117	Clay			
RRMDD175	7.8	8.8	1.0	37.2	202.6	9.4	36.9	7.2	1.5	6.7	1.0	5.9	1.2	3.5	0.5	1.0	0.5	41.7	357	Clay			
RRMDD175	8.8	9.7	0.9	99.0	162.2	33.6	128.3	25.6	5.0	18.4	2.6	14.2	2.6	7.1	1.0	2.6	0.9	82.3	585	Upper Saprolite			
RRMDD175	9.7	10.6	0.9	38.4	43.2	11.6	50.6	11.6	2.5	11.0	1.7	10.3	2.0	5.9	0.8	1.7	0.8	67.3	259	Upper Saprolite			
RRMDD175	10.6	11.5	0.9	71.5	101.9	28.4	115.1	24.1	4.8	18.7	2.7	14.2	2.6	7.3	1.0	2.7	0.8	78.2	474	Upper Saprolite			
RRMDD175	11.5	12.5	1.0	73.8	110.6	23.3	93.3	18.6	3.8	16.0	2.2	12.4	2.4	6.5	0.8	2.2	0.8	74.3	441	Upper Saprolite			
RRMDD175	12.5	13.5	0.9	113.5	150.5	39.1	158.0	31.2	6.7	30.5	4.2	24.2	4.7	13.3	1.7	4.2	1.6	172.7	756	Lower Saprolite			
RRMDD175	13.5	14.3	0.8	81.7	249.5	22.9	88.9	15.2	3.1	14.1	1.9	10.5	2.1	6.1	0.8	1.9	0.7	81.3	581	Lower Saprolite			
RRMDD175	14.3	15.0	0.7	124.3	233.7	30.8	113.6	17.9	3.4	13.1	1.6	8.5	1.6	4.3	0.6	1.6	0.5	58.3	614	Lower Saprolite	6.3	528	

																			>300ppm TREO-Ce ₂ O ₃ Interval			
Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	Length (m)	TREO ppm
RRMDD175	15.0	15.9	0.9	323.7	598.5	66.2	254.3	44.4	8.9	38.5	5.0	26.6	4.8	12.5	1.6	4.9	1.4	164.5	1556	Saprock	2.7	624
RRMDD176	0.0	0.4	0.4	82.8	155.8	18.2	65.0	11.8	2.0	10.4	1.6	9.6	1.9	5.3	0.8	1.6	0.7	58.2	426	Soil		
RRMDD176	0.4	1.2	0.8	83.6	149.9	16.2	54.9	9.9	1.7	8.4	1.4	8.3	1.6	4.9	0.7	1.3	0.7	46.0	390	Hardcap		
RRMDD176	1.2	2.0	0.8	81.5	131.2	16.2	55.8	9.8	1.7	7.9	1.3	8.0	1.6	4.8	0.7	1.3	0.7	43.8	366	Hardcap		
RRMDD176	2.0	2.8	0.8	93.8	588.0	19.3	66.7	12.2	2.0	9.5	1.6	9.2	1.8	5.3	0.8	1.5	0.8	47.5	860	Hardcap		
RRMDD176	2.8	3.3	0.5	124.9	302.2	27.5	99.4	17.2	2.9	13.9	2.1	12.5	2.4	7.4	1.1	2.1	1.1	74.8	691	Transition		
RRMDD176	3.3	4.2	0.9	146.6	204.4	30.5	110.5	19.0	3.2	15.3	2.4	14.5	2.9	8.5	1.3	2.4	1.2	91.3	654	Clay		
RRMDD176	4.2	5.1	0.9	179.4	181.6	34.1	117.8	19.7	3.5	17.0	2.6	15.6	3.1	9.3	1.3	2.6	1.3	99.9	689	Clay		
RRMDD176	5.1	6.0	0.9	123.1	149.9	26.0	90.5	15.1	2.7	13.1	2.0	11.8	2.5	7.0	1.0	2.0	1.0	77.7	525	Clay		
RRMDD176	6.0	6.6	0.6	58.5	76.8	14.5	54.6	9.8	1.8	8.0	1.3	7.4	1.5	4.4	0.6	1.3	0.7	43.9	285	Clay		
RRMDD176	6.6	7.6	1.0	67.0	77.9	16.0	58.9	10.6	1.8	9.0	1.4	8.5	1.7	5.1	0.8	1.4	0.7	54.5	315	Clay		
RRMDD176	7.6	8.6	1.0	44.9	36.4	11.1	41.2	7.2	1.3	6.4	1.0	6.0	1.2	3.7	0.5	1.0	0.5	39.9	202	Clay		
RRMDD176	8.6	9.6	1.0	60.6	55.3	12.8	48.1	8.4	1.6	6.8	1.0	6.0	1.2	3.3	0.5	1.0	0.5	35.3	242	Clay		
RRMDD176	9.6	10.5	0.9	31.2	26.8	8.0	29.9	5.1	1.0	4.7	0.7	4.6	0.9	2.9	0.4	0.7	0.4	30.4	148	Clay		
RRMDD176	10.5	11.4	0.9	19.8	43.8	5.7	21.7	3.8	0.7	3.5	0.5	3.3	0.7	1.9	0.3	0.5	0.3	20.6	127	Clay		
RRMDD176	11.4	12.1	0.7	65.7	114.7	17.3	62.6	10.7	2.0	7.5	1.0	6.0	1.1	3.3	0.5	1.0	0.4	38.1	332	Clay		
RRMDD176	12.1	12.9	0.8	63.6	118.3	18.2	66.6	10.9	2.0	7.6	1.0	5.6	1.1	3.0	0.4	1.0	0.4	35.3	335	Clay		
RRMDD176	12.9	13.7	0.8	69.3	124.7	18.0	65.2	10.7	1.9	7.2	1.0	5.4	1.0	2.9	0.4	1.0	0.4	35.2	344	Clay		
RRMDD176	13.7	14.6	0.9	69.3	104.2	14.5	51.3	8.7	1.7	6.7	0.9	5.2	1.0	2.9	0.4	0.9	0.4	33.7	302	Clay		
RRMDD176	14.6	15.4	0.9	35.7	111.4	8.4	31.5	5.4	1.1	4.2	0.6	3.4	0.7	1.9	0.3	0.5	0.3	25.1	231	Upper Saprolite	1.7	1051
RRMDD176	15.4	16.3	0.9	141.3	265.9	43.7	177.3	36.9	7.7	29.3	4.1	23.1	4.2	10.8	1.5	4.0	1.3	144.1	895	Upper Saprolite		
RRMDD176	16.3	17.1	0.8	198.8	378.3	57.8	234.4	47.0	10.1	39.8	5.4	29.3	5.6	14.3	1.9	5.3	1.6	196.8	1226	Upper Saprolite		
RRMDD176	17.1	17.6	0.5	25.2	56.6	6.6	26.1	4.8	1.0	4.3	0.6	3.5	0.7	1.9	0.3	0.6	0.3	24.4	157	Lower Saprolite		
RRMDD176	17.6	18.5	0.9	76.7	144.7	17.3	64.2	10.4	2.1	8.0	1.0	6.0	1.2	3.3	0.5	1.0	0.5	50.9	388	Lower Saprolite		
RRMDD176	18.5	19.4	0.9	91.1	167.5	20.4	74.3	12.1	2.5	8.4	1.1	6.1	1.3	3.1	0.5	1.1	0.5	53.1	443	Lower Saprolite		
RRMDD176	19.4	20.4	1.0	81.6	151.1	18.5	67.1	10.9	2.1	7.7	0.9	5.1	1.0	2.7	0.4	0.9	0.4	42.0	392	Lower Saprolite		
RRMDD176	20.4	21.2	0.8	11.5	19.4	2.3	8.0	1.2	0.2	0.7	0.1	0.8	0.2	0.7	0.1	0.1	0.1	7.0	52	Lower Saprolite		
RRMDD176	21.2	22.0	0.8	4.8	7.8	0.9	3.4	0.7	0.1	0.6	0.1	0.8	0.2	0.6	0.1	0.1	0.1	6.3	27	Lower Saprolite		
RRMDD176	22.0	22.7	0.7	117.2	242.5	27.7	102.6	18.6	4.1	13.9	1.8	9.7	1.7	4.3	0.6	1.8	0.5	60.1	607	Lower Saprolite		
RRMDD176	22.7	23.4	0.7	111.8	207.9	23.8	89.9	16.5	3.7	13.0	1.7	9.3	1.7	4.3	0.6	1.7	0.5	60.1	546	Lower Saprolite		
RRMDD176	23.4	24.3	0.9	71.7	130.6	14.3	52.3	9.3	2.0	7.5	1.0	5.3	1.0	2.6	0.4	0.9	0.4	39.2	338	Saprock		
RRMDD176	24.3	25.2	0.9	42.2	83.9	10.0	38.7	8.3	1.9	6.7	1.0	5.6	1.1	2.7	0.4	0.9	0.4	37.1	241	Saprock		
RRMDD177	0.0	0.9	0.9	88.0	151.1	20.2	72.1	14.1	2.3	11.9	1.9	11.3	2.3	6.4	0.9	1.8	0.9	68.8	454	soil	1.0	857
RRMDD177	0.9	1.7	0.9	94.9	157.0	21.4	77.6	14.2	2.2	11.8	1.9	11.3	2.3	6.4	0.9	1.9	0.9	69.6	474	soil		
RRMDD177	1.7	2.8	1.1	123.7	253.0	26.0	89.7	14.9	2.4	11.6	1.9	10.5	2.1	5.8	0.9	1.8	0.9	58.3	604	soil		
RRMDD177	2.8	3.3	0.5	166.0	260.0	35.9	123.6	21.2	3.3	14.9	2.0	11.2	2.1	5.8	0.9	2.0	0.8	55.9	706	Transition		
RRMDD177	3.3	4.3	1.0	226.4	306.9	44.4	148.1	25.6	4.1	17.3	2.3	12.6	2.1	5.8	0.8	2.3	0.8	57.5	857	Mottled		
RRMDD177	4.3	5.3	1.0	49.5	84.0	11.2	41.8	8.2	1.4	7.1	1.2	7.8	1.6	4.7	0.7	1.2	0.8	49.3	270	Mottled		
RRMDD177	5.3	6.3	1.0	74.0	111.2	13.0	45.0	8.7	1.6	8.0	1.3	9.0	1.9	5.7	0.9	1.3	0.9	61.2	344	Mottled		
RRMDD177	6.3	7.3	1.0	54.1	192.1	13.1	50.6	10.7	2.0	11.2	1.9	12.3	2.7	8.3	1.3	1.9	1.3	99.8	463	Mottled		
RRMDD177	7.3	8.3	1.0	65.1	130.0	14.6	54.0	10.9	2.2	11.9	2.0	13.7	3.1	9.5	1.5	2.0	1.4	116.2	438	Mottled		
RRMDD177	8.3	9.3	1.0	65.1	142.9	15.4	59.0	12.3	2.4	13.3	2.3	14.7	3.3	10.3	1.6	2.2	1.5	122.8	469	Mottled		
RRMDD177	9.3	10.2	0.8	107.0	219.0	23.3	84.7	16.2	3.1	15.9	2.7	16.8	3.6	10.5	1.6	2.6	1.5	126.6	635	Mottled		
RRMDD177	10.2	11.0	0.8	78.9	150.5	19.1	72.6	15.1	2.9	16.1	2.6	17.1	3.8	11.3	1.7	2.6	1.6	143.5	539	Clay		
RRMDD177	11.0	11.7	0.7	78.9	140.0	21.9	84.2	18.1	3.4	18.3	3.0	19.3	4.2	12.2	1.8	3.0	1.7	158.7	569	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval		Length (m)	TREO ppm
RRMDD177	11.7	12.4	0.7	58.1	112.9	16.1	62.2	13.3	2.6	14.3	2.4	15.8	3.4	10.1	1.5	2.4	1.4	122.8	439	Clay	14.6	563		
RRMDD177	12.4	13.1	0.7	72.8	142.3	20.0	76.2	15.8	3.2	16.9	2.7	17.0	3.7	10.8	1.6	2.7	1.5	138.4	526	Clay				
RRMDD177	13.1	14.3	1.2	68.0	143.5	17.9	66.1	13.7	2.8	14.9	2.4	16.1	3.5	10.4	1.5	2.4	1.5	131.4	496	Clay				
RRMDD177	14.3	15.0	0.8	75.8	311.6	19.6	73.4	15.2	3.0	16.4	2.7	17.5	3.7	11.3	1.7	2.7	1.6	144.1	700	Clay				
RRMDD177	15.0	15.9	0.9	72.8	173.4	19.4	73.6	15.5	3.1	17.9	3.0	19.3	4.3	12.8	1.9	3.0	1.7	162.5	584	Clay				
RRMDD177	15.9	16.8	0.9	64.5	117.7	16.7	63.1	13.0	2.7	14.9	2.5	16.2	3.6	11.2	1.7	2.4	1.6	137.8	470	Clay				
RRMDD177	16.8	17.5	0.8	55.7	111.5	14.2	53.2	11.5	2.4	13.7	2.3	15.7	3.5	10.3	1.6	2.3	1.4	130.2	430	Clay				
RRMDD177	17.5	18.3	0.8	43.0	86.7	10.4	42.9	8.2	1.9	11.3	2.0	13.0	2.7	9.3	1.2	2.0	1.2	102.0	338	Clay				
RRMDD177	18.3	19.1	0.8	70.7	130.0	18.0	72.1	14.4	2.9	16.1	2.8	18.0	3.7	12.1	1.6	2.8	1.8	132.1	499	Clay				
RRMDD177	19.1	19.9	0.8	82.0	136.5	22.4	97.4	22.7	5.2	29.6	5.3	32.9	7.0	22.9	3.0	5.3	2.8	207.6	683	Clay				
RRMDD177	19.9	20.9	1.0	86.4	166.9	26.0	106.3	20.3	5.1	33.5	5.2	34.8	7.6	26.0	3.4	5.1	3.2	313.7	843	Lower Saprolite				
RRMDD177	20.9	21.9	1.0	115.2	223.1	28.4	114.0	19.8	4.3	25.1	3.6	23.0	5.3	16.5	2.1	3.6	2.1	254.0	840	Lower Saprolite				
RRMDD177	21.9	22.9	1.0	61.8	124.7	14.5	56.9	9.1	2.1	9.9	1.4	8.4	1.7	5.6	0.8	1.4	0.8	102.0	401	Lower Saprolite				
RRMDD177	22.9	23.9	1.0	47.0	93.6	10.4	41.1	7.4	1.4	6.6	1.0	6.2	1.1	3.4	0.5	1.0	0.5	42.0	263	Lower Saprolite				
RRMDD177	23.9	25.0	1.1	28.9	59.3	6.8	26.0	4.8	0.9	3.9	0.7	4.1	0.8	2.6	0.4	0.7	0.4	25.4	166	Lower Saprolite				
RRMDD177	25.0	26.0	1.1	40.8	80.7	8.7	31.0	4.8	0.9	3.7	0.5	3.2	0.6	2.0	0.3	0.5	0.4	19.3	197	Saprock				
RRMDD177	26.0	27.0	1.0	64.2	130.6	15.2	57.4	10.1	2.0	8.5	1.2	7.3	1.3	3.5	0.5	1.2	0.5	40.9	344	Saprock				
RRMDD178	0.0	1.0	1.0	79.0	116.3	17.7	64.5	11.7	2.0	10.3	1.6	9.8	2.0	5.8	0.8	1.6	0.8	60.7	385	soil	3.9	789		
RRMDD178	1.0	1.9	1.0	74.6	110.6	16.6	59.6	11.1	1.9	9.6	1.5	9.4	1.9	5.6	0.8	1.5	0.8	57.0	362	soil				
RRMDD178	1.9	2.9	1.0	81.3	122.4	18.3	64.5	12.3	2.0	10.4	1.6	9.9	2.0	5.6	0.8	1.6	0.8	61.0	395	soil				
RRMDD178	2.9	3.9	1.0	313.1	1085.8	43.2	125.4	19.7	3.1	12.8	1.8	9.4	1.8	5.0	0.8	1.7	0.7	46.2	1671	Hardcap				
RRMDD178	3.9	4.9	1.0	100.5	886.7	20.3	77.2	12.8	2.2	10.6	1.7	9.9	1.9	6.2	0.9	1.7	0.9	58.7	1192	Transition				
RRMDD178	4.9	5.8	0.9	59.5	124.7	13.4	53.0	8.9	1.6	7.7	1.2	7.3	1.4	4.7	0.7	1.2	0.7	47.6	334	Mottled				
RRMDD178	5.8	6.6	0.9	81.9	107.6	25.4	101.1	16.6	3.1	13.7	1.8	10.7	1.9	6.1	0.9	1.8	0.9	62.1	436	Mottled				
RRMDD178	6.6	7.5	0.9	209.3	146.4	46.0	169.1	25.0	4.5	19.7	2.6	14.9	2.7	8.3	1.1	2.6	1.0	91.9	745	Mottled				
RRMDD178	7.5	8.4	0.9	127.2	249.5	36.6	149.9	24.2	4.4	21.5	3.1	18.4	3.5	10.5	1.4	3.0	1.3	125.2	780	Mottled				
RRMDD178	8.4	9.0	0.6	114.8	247.1	37.7	159.8	26.1	5.0	24.0	3.6	21.0	4.2	13.2	1.7	3.6	1.7	156.2	820	Clay				
RRMDD178	9.0	9.6	0.6	247.5	234.3	66.7	277.6	48.2	9.4	42.5	6.7	45.7	9.3	28.4	3.6	6.6	2.8	297.2	1327	Clay				
RRMDD178	9.6	10.1	0.5	23.0	49.4	6.0	25.0	4.8	1.1	4.7	0.8	5.7	1.2	4.1	0.6	0.8	0.6	36.2	164	Clay				
RRMDD178	10.1	10.8	0.7	16.2	19.6	5.3	26.6	5.1	1.2	7.3	1.1	7.7	1.7	5.5	0.8	1.1	0.9	61.2	161	Clay				
RRMDD178	10.8	11.5	0.7	108.6	95.9	24.7	92.8	13.9	2.8	12.6	1.7	9.9	2.0	5.5	0.8	1.7	0.8	61.7	435	Clay				
RRMDD178	11.5	12.5	1.0	32.4	83.7	9.7	39.7	7.5	1.6	7.5	1.1	7.1	1.4	4.1	0.6	1.1	0.6	42.2	240	Clay				
RRMDD178	12.5	13.5	1.0	82.7	116.9	22.1	95.8	18.1	3.8	14.9	2.1	11.6	2.2	6.4	0.8	2.0	0.9	65.3	446	Clay				
RRMDD178	13.5	14.1	0.6	22.6	45.4	6.9	31.4	6.4	1.4	6.1	0.9	5.8	1.1	3.5	0.5	0.9	0.6	36.8	170	Clay				
RRMDD178	14.1	14.9	0.8	25.0	62.9	6.7	27.8	5.3	1.2	5.5	0.9	5.2	1.0	3.6	0.5	0.9	0.5	30.7	178	Clay				
RRMDD178	14.9	15.7	0.8	21.0	49.1	5.0	21.1	4.4	1.0	4.6	0.8	4.7	0.9	3.4	0.5	0.8	0.5	25.8	144	Clay				
RRMDD178	15.7	16.5	0.8	92.9	141.7	17.2	60.3	8.9	1.8	6.8	1.0	5.5	0.9	2.8	0.4	0.9	0.5	27.3	369	Clay				
RRMDD178	16.5	17.3	0.8	50.4	101.8	10.6	40.7	7.4	1.7	7.2	1.1	6.7	1.3	4.2	0.6	1.1	0.6	38.0	273	Upper Saprolite	1.6	580		
RRMDD178	17.3	18.0	0.8	114.0	202.0	28.8	121.9	22.6	5.0	22.7	3.2	17.6	3.2	9.8	1.3	3.2	1.1	109.5	666	Upper Saprolite				
RRMDD178	18.0	18.9	0.9	66.3	124.7	18.0	73.6	14.9	3.2	17.9	2.5	15.3	3.5	9.7	1.3	2.5	1.1	146.7	501	Lower Saprolite				
RRMDD178	18.9	19.8	0.9	61.9	118.3	14.7	53.5	9.2	1.8	8.1	1.0	5.6	1.0	2.7	0.4	1.0	0.4	48.0	328	Saprock				
RRMDD178	19.8	20.6	0.9	54.3	99.7	11.3	38.6	6.5	1.2	5.0	0.6	3.6	0.7	1.9	0.3	0.6	0.3	21.2	246	Saprock				
RRMDD178	20.6	21.5	0.9	47.6	97.6	12.3	47.8	10.0	2.1	9.8	1.6	9.7	2.0	5.6	0.8	1.6	0.8	58.9	308	Saprock				
RRMDD178	21.5	22.4	0.9	51.4	96.0	10.9	37.4	6.1	1.0	4.2	0.5	2.8	0.5	1.6	0.2	0.5	0.3	16.6	230	Fresh Rock				
RRMDD178	22.4	23.5	1.1	55.4	105.7	12.0	43.0	7.7	1.4	6.1	0.7	3.8	0.7	2.2	0.4	0.7	0.5	22.9	263	Fresh Rock				

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	>300ppm TREO-Ce ₂ O ₃ Interval		
																				Length (m)	TREO ppm	
RRMDD179	0.0	0.3	0.3	101.2	162.8	24.6	90.6	16.5	2.9	14.2	2.1	12.9	2.6	7.3	1.1	2.1	1.0	81.3	523	Soil	4.7	547
RRMDD179	0.3	1.0	0.7	98.0	186.8	23.9	87.2	16.2	2.8	13.9	2.1	12.9	2.7	7.5	1.1	2.1	1.1	78.0	536	Soil		
RRMDD179	1.0	1.9	0.9	90.0	169.3	15.3	49.6	8.5	1.5	6.4	1.0	6.3	1.2	3.6	0.6	1.0	0.6	32.9	388	Hardcap		
RRMDD179	1.9	2.7	0.9	86.3	135.3	14.5	44.3	7.4	1.3	5.5	0.9	5.5	1.1	3.2	0.5	0.9	0.5	28.7	336	Hardcap		
RRMDD179	2.7	3.5	0.7	84.3	276.4	17.1	59.4	10.4	1.8	8.4	1.3	8.2	1.6	4.8	0.7	1.3	0.8	43.6	520	Hardcap		
RRMDD179	3.5	4.1	0.6	113.3	125.3	24.3	86.0	14.1	2.4	12.2	1.8	11.0	2.3	6.4	1.0	1.8	1.0	75.2	478	Transition		
RRMDD179	4.1	4.9	0.8	66.6	82.1	16.2	59.6	10.1	1.8	9.2	1.4	9.0	1.8	5.3	0.8	1.3	0.8	58.5	325	Mottled		
RRMDD179	4.9	5.7	0.8	50.8	61.3	12.2	45.8	8.1	1.5	7.7	1.2	7.2	1.5	4.6	0.7	1.2	0.7	50.3	255	Mottled		
RRMDD179	5.7	6.5	0.8	55.6	56.2	13.5	52.4	9.1	1.7	8.7	1.3	8.2	1.6	4.8	0.7	1.3	0.7	57.0	273	Mottled		
RRMDD179	6.5	7.4	0.8	47.7	80.8	11.2	41.5	7.1	1.3	6.6	1.0	6.1	1.2	3.6	0.6	1.0	0.5	41.0	251	Mottled		
RRMDD179	7.4	8.1	0.7	16.8	45.4	5.0	20.1	4.1	0.9	3.7	0.6	3.6	0.7	2.2	0.3	0.6	0.4	22.6	127	Clay		
RRMDD179	8.1	9.0	0.9	76.7	97.0	13.9	49.2	8.4	1.8	6.9	1.0	5.6	1.1	3.2	0.5	0.9	0.5	37.1	304	Clay		
RRMDD179	9.0	9.9	0.9	66.3	87.4	15.6	56.8	9.6	2.3	8.6	1.2	6.7	1.3	3.8	0.5	1.1	0.5	43.0	305	Clay		
RRMDD179	9.9	10.9	0.9	174.2	744.9	30.1	103.5	17.2	3.9	14.2	2.0	11.0	2.0	5.6	0.8	2.0	0.7	68.1	1180	Clay		
RRMDD179	10.9	11.8	0.9	66.1	189.8	18.7	72.8	13.7	3.2	12.2	1.7	9.8	1.8	4.9	0.7	1.7	0.7	57.3	455	Upper Saprolite		
RRMDD179	11.8	12.8	1.0	79.0	163.4	24.2	93.3	17.7	4.1	14.6	2.0	11.1	2.1	5.4	0.7	2.0	0.7	63.5	484	Upper Saprolite		
RRMDD179	12.8	13.8	1.0	28.1	97.7	6.6	23.2	2.9	0.6	1.9	0.3	1.5	0.3	0.9	0.1	0.3	0.2	10.2	175	Upper Saprolite		
RRMDD179	13.8	14.7	0.9	97.3	152.3	26.2	95.2	15.1	3.1	11.1	1.4	7.3	1.3	3.6	0.5	1.4	0.6	44.2	461	Upper Saprolite		
RRMDD179	14.7	15.5	0.9	69.8	120.1	16.7	59.3	8.4	1.8	6.5	0.8	4.2	0.8	2.3	0.4	0.8	0.4	27.4	320	Upper Saprolite		
RRMDD179	15.5	16.4	0.9	44.6	80.4	10.0	34.3	5.2	1.0	3.6	0.5	3.0	0.5	1.7	0.3	0.5	0.3	19.4	205	Upper Saprolite		
RRMDD179	16.4	17.2	0.8	38.1	68.8	8.2	28.5	4.6	0.9	3.6	0.5	3.0	0.6	1.9	0.3	0.5	0.4	19.8	180	Upper Saprolite		
RRMDD179	17.2	18.2	1.0	56.4	111.6	13.5	47.6	8.6	1.7	6.6	0.9	5.4	1.0	3.1	0.4	0.9	0.5	32.1	290	Lower Saprolite		
RRMDD179	18.2	19.2	1.0	51.6	111.3	12.8	44.9	7.7	1.5	5.6	0.7	3.9	0.7	2.0	0.3	0.7	0.3	19.6	263	Saprock		
RRMDD179	19.2	20.1	1.0	62.4	127.7	14.3	50.9	9.0	1.6	7.2	1.0	5.5	1.0	2.8	0.4	1.0	0.4	29.6	315	Saprock		
RRMDD179	20.1	21.1	1.0	151.9	304.5	31.5	111.5	19.4	3.6	16.3	2.1	11.4	2.1	5.7	0.9	2.1	0.9	68.2	732	Saprock		
RRMDD180	0.0	1.0	1.0	61.9	89.7	12.8	45.7	8.1	1.5	7.5	1.2	7.0	1.5	4.1	0.6	1.2	0.7	45.1	289	Soil	0.8	363
RRMDD180	1.0	1.9	1.0	63.1	90.0	13.0	44.1	8.3	1.4	7.7	1.2	6.9	1.5	4.3	0.6	1.2	0.7	44.7	289	Soil		
RRMDD180	1.9	2.5	0.6	78.9	110.3	16.3	55.9	10.8	1.9	9.3	1.5	8.9	1.8	5.3	0.8	1.5	0.8	55.9	360	Soil		
RRMDD180	2.5	3.1	0.6	71.7	109.9	15.9	55.6	11.5	1.9	9.4	1.5	9.3	1.9	5.3	0.8	1.5	0.8	55.5	352	Soil		
RRMDD180	3.1	4.1	1.0	67.4	72.5	13.3	46.1	8.6	1.5	7.3	1.2	6.6	1.4	4.2	0.6	1.1	0.6	40.3	273	Hardcap		
RRMDD180	4.1	5.2	1.1	66.3	583.3	12.7	44.3	8.0	1.4	6.4	1.1	6.0	1.2	3.9	0.6	1.1	0.6	34.3	771	Hardcap		
RRMDD180	5.2	6.3	1.1	74.2	787.1	14.6	49.0	9.0	1.6	6.7	1.2	6.3	1.3	3.9	0.6	1.2	0.6	34.5	992	Hardcap		
RRMDD180	6.3	7.3	1.1	74.9	439.2	14.3	50.3	9.1	1.5	7.1	1.2	7.1	1.5	4.7	0.7	1.2	0.7	41.7	655	Transition		
RRMDD180	7.3	8.0	0.7	65.2	96.4	11.8	39.7	6.8	1.2	6.2	1.0	6.0	1.3	3.9	0.6	1.0	0.6	40.1	282	Clay		
RRMDD180	8.0	8.9	0.9	48.8	51.8	8.8	31.1	5.3	0.9	4.9	0.8	4.7	1.0	3.4	0.5	0.8	0.5	33.5	197	Clay		
RRMDD180	8.9	9.7	0.8	50.7	55.8	9.0	30.7	5.3	1.0	5.0	0.8	4.7	1.0	3.2	0.5	0.8	0.5	33.4	202	Clay		
RRMDD180	9.7	10.8	1.1	41.0	47.6	7.8	27.8	4.9	0.9	4.7	0.8	4.6	1.0	3.2	0.5	0.8	0.5	31.6	178	Clay		
RRMDD180	10.8	11.9	1.1	27.4	67.8	5.8	21.2	3.9	0.8	3.9	0.7	4.0	0.8	2.8	0.4	0.7	0.5	26.9	168	Clay		
RRMDD180	11.9	13.0	1.1	29.8	58.2	5.7	20.4	3.8	0.8	3.7	0.6	3.6	0.8	2.6	0.4	0.6	0.4	24.9	156	Clay		
RRMDD180	13.0	13.6	0.6	27.1	104.9	6.0	22.9	4.4	0.9	4.1	0.7	4.2	0.9	2.8	0.4	0.7	0.5	27.0	208	Clay		
RRMDD180	13.6	14.4	0.8	17.2	67.2	4.2	16.4	3.3	0.8	3.1	0.5	3.4	0.7	2.3	0.3	0.5	0.4	21.8	142	Clay		
RRMDD180	14.4	15.1	0.7	25.9	54.5	5.7	21.7	4.5	1.0	4.5	0.7	4.5	1.0	3.2	0.5	0.7	0.5	31.0	160	Clay		
RRMDD180	15.1	15.9	0.8	83.0	90.2	21.5	80.7	15.0	3.2	11.2	1.6	8.3	1.5	4.5	0.7	1.5	0.6	46.5	370	Clay		
RRMDD180	15.9	16.6	0.8	83.5	58.0	24.0	92.6	16.5	3.5	12.2	1.7	9.2	1.7	5.0	0.7	1.7	0.6	52.1	363	Clay		
RRMDD180	16.6	17.4	0.8	57.2	61.1	15.9	60.0	10.6	2.4	8.2	1.2	7.0	1.3	3.9	0.5	1.2	0.5	39.7	271	Clay	0.8	363

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₃ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	
																					Length (m)	TREO ppm
RRMDD180	17.4	18.0	0.6	59.9	57.7	15.9	60.2	10.8	2.4	8.6	1.2	7.0	1.4	4.0	0.6	1.2	0.5	43.8	275	Upper Saprolite		
RRMDD180	18.0	19.1	1.1	49.3	49.1	11.2	44.3	8.2	1.9	8.3	1.2	7.3	1.5	4.7	0.7	1.2	0.6	56.8	246	Lower Saprolite		
RRMDD180	19.1	20.1	1.1	56.2	67.5	11.9	47.4	8.5	2.0	8.9	1.2	7.0	1.4	4.0	0.5	1.2	0.5	46.0	264	Lower Saprolite		
RRMDD181	0.0	0.9	0.9	79.3	129.4	17.1	60.9	10.9	1.9	9.1	1.5	8.6	1.8	5.0	0.7	1.4	0.8	54.0	382	Soil		
RRMDD181	0.9	2.0	1.1	68.8	135.3	10.4	34.2	5.6	0.9	4.3	0.7	4.4	0.9	2.7	0.4	0.7	0.5	26.2	296	Hardcap		
RRMDD181	2.0	3.1	1.1	72.0	269.4	15.0	51.4	9.0	1.5	6.9	1.1	6.6	1.4	4.0	0.6	1.1	0.7	39.0	480	Hardcap		
RRMDD181	3.1	3.8	0.7	83.4	158.1	17.2	61.2	9.6	1.7	8.3	1.3	7.6	1.6	5.0	0.7	1.3	0.8	49.3	407	Transition		
RRMDD181	3.8	4.7	1.0	76.7	102.6	16.3	59.1	9.6	1.6	8.1	1.2	7.6	1.6	5.1	0.7	1.2	0.7	50.5	343	Mottled		
RRMDD181	4.7	5.6	0.9	54.5	54.6	11.1	40.2	6.8	1.0	5.3	0.8	5.1	1.1	3.4	0.5	0.8	0.5	34.7	220	Mottled		
RRMDD181	5.6	6.5	0.9	70.8	112.7	15.3	55.2	9.1	1.5	7.5	1.2	7.1	1.5	4.5	0.7	1.2	0.6	47.9	337	Mottled		
RRMDD181	6.5	7.5	1.0	40.7	45.7	8.6	30.8	4.9	0.9	4.2	0.7	3.9	0.8	2.5	0.3	0.7	0.4	28.1	173	Mottled		
RRMDD181	7.5	8.4	0.9	34.2	43.9	7.2	26.1	4.3	0.7	3.5	0.5	3.3	0.7	2.1	0.3	0.5	0.3	23.5	151	Mottled		
RRMDD181	8.4	9.4	0.9	44.9	65.4	9.5	34.9	5.2	1.0	4.9	0.7	4.2	0.9	2.7	0.4	0.7	0.4	31.1	207	Mottled		
RRMDD181	9.4	9.9	0.5	19.6	15.5	4.0	14.7	2.2	0.4	2.1	0.3	1.9	0.4	1.4	0.2	0.3	0.2	14.9	78	Mottled		
RRMDD181	9.9	10.7	0.8	23.8	21.3	5.0	18.4	2.9	0.5	2.5	0.4	2.4	0.5	1.7	0.3	0.4	0.3	18.2	99	Mottled		
RRMDD181	10.7	11.6	0.9	24.5	16.5	5.3	19.2	2.9	0.6	2.8	0.4	2.6	0.6	1.9	0.3	0.4	0.3	19.9	98	Mottled		
RRMDD181	11.6	12.4	0.8	26.0	20.7	5.5	19.8	3.3	0.6	2.9	0.4	2.7	0.6	1.8	0.2	0.4	0.3	20.1	105	Mottled		
RRMDD181	12.4	13.1	0.6	15.7	10.3	3.2	11.5	2.0	0.3	1.6	0.3	1.6	0.4	1.1	0.2	0.3	0.2	11.9	61	Clay		
RRMDD181	13.1	13.7	0.6	6.8	13.7	1.6	5.8	1.1	0.2	0.9	0.1	1.0	0.2	0.8	0.1	0.1	0.2	7.5	40	Clay		
RRMDD181	13.7	14.1	0.5	20.6	67.6	5.0	18.8	3.2	0.6	2.9	0.4	2.6	0.6	1.7	0.3	0.4	0.3	18.2	143	Clay		
RRMDD181	14.1	15.2	1.0	17.0	12.7	3.9	14.7	2.4	0.5	2.2	0.3	2.0	0.5	1.3	0.2	0.3	0.2	14.1	72	Clay		
RRMDD181	15.2	15.9	0.8	64.7	87.8	17.6	68.0	12.2	2.6	10.2	1.4	7.6	1.5	4.1	0.6	1.4	0.6	45.2	326	Upper Saprolite		
RRMDD181	15.9	16.8	0.9	22.5	50.6	4.9	18.5	3.3	0.7	2.6	0.4	2.3	0.4	1.3	0.2	0.4	0.2	13.5	122	Sand		
RRMDD181	16.8	17.0	0.2	19.5	36.1	4.0	14.0	2.3	0.5	1.9	0.3	1.7	0.4	1.1	0.2	0.3	0.2	11.6	94	Saprock		
RRMDD182	0.0	0.6	0.6	58.2	103.5	12.0	42.2	8.2	1.3	6.7	1.1	6.9	1.4	4.2	0.7	1.1	0.7	44.6	293	Soil		
RRMDD182	0.6	1.0	0.4	59.3	105.7	12.5	43.6	8.5	1.4	7.1	1.2	7.1	1.5	4.5	0.6	1.2	0.7	44.1	299	Soil		
RRMDD182	1.0	1.9	0.9	54.1	210.2	10.2	34.1	6.1	1.0	4.7	0.8	5.0	1.0	3.0	0.5	0.8	0.5	27.0	359	Hardcap		
RRMDD182	1.9	2.7	0.9	70.3	564.6	13.8	47.2	9.3	1.5	6.9	1.2	7.1	1.4	4.3	0.7	1.2	0.7	35.9	766	Hardcap		
RRMDD182	2.7	3.9	1.2	95.0	699.3	19.2	67.0	12.3	2.2	10.3	1.8	10.6	2.1	6.5	1.1	1.8	1.0	52.2	982	Transition		
RRMDD182	3.9	4.5	0.6	195.9	241.3	52.0	205.3	36.6	6.8	32.2	4.6	25.7	5.1	14.5	2.0	4.5	1.8	161.9	990	Mottled		
RRMDD182	4.5	5.1	0.6	94.6	149.3	25.7	102.6	19.0	3.8	20.2	3.2	20.0	4.3	13.2	1.9	3.2	1.8	161.3	624	Pallid		
RRMDD182	5.1	6.0	1.0	105.6	213.2	29.6	114.3	20.3	3.8	18.8	2.7	15.9	3.3	9.9	1.4	2.7	1.3	132.7	676	Pallid		
RRMDD182	6.0	7.0	1.0	103.2	177.5	25.4	100.8	18.4	3.7	19.9	2.8	17.3	3.7	11.5	1.7	2.8	1.6	138.4	629	Pallid		
RRMDD182	7.0	7.8	0.8	79.5	148.2	17.3	63.8	10.5	2.0	9.6	1.4	7.8	1.8	5.5	0.8	1.4	0.9	65.9	416	Upper Saprolite		
RRMDD182	7.8	8.7	0.8	64.3	127.7	14.6	52.6	8.7	1.7	7.6	1.0	5.6	1.1	3.0	0.4	1.0	0.5	37.0	327	Upper Saprolite		
RRMDD182	8.7	9.5	0.8	59.9	109.9	12.1	42.2	6.2	1.3	5.5	0.7	3.9	0.8	2.4	0.4	0.7	0.4	27.0	273	Upper Saprolite		
RRMDD182	9.5	10.5	1.0	69.5	134.7	15.8	58.7	10.4	1.9	9.2	1.3	7.3	1.5	4.5	0.6	1.2	0.6	48.9	366	Lower Saprolite		
RRMDD182	10.5	11.4	1.0	58.1	112.7	13.5	50.7	9.2	1.7	7.7	1.1	5.8	1.0	2.8	0.4	1.1	0.4	33.3	299	Lower Saprolite		
RRMDD182	11.4	12.4	1.0	59.3	114.0	12.8	46.0	7.7	1.4	5.8	0.7	3.9	0.7	2.1	0.3	0.7	0.3	23.7	280	Saprock		
RRMDD182	12.4	13.4	1.0	66.4	132.4	15.2	58.9	11.1	2.2	9.7	1.6	10.1	2.1	6.7	1.0	1.6	1.0	71.0	391	Saprock		
RRMDD182	13.4	14.2	0.9	42.7	78.6	8.2	30.4	5.4	1.1	4.1	0.6	3.2	0.6	1.8	0.3	0.6	0.3	20.1	198	Saprock		
RRMDD182	14.2	15.0	0.8	39.5	78.8	8.9	35.0	7.1	1.6	6.5	1.0	5.6	1.1	2.9	0.5	1.0	0.5	33.5	223	Saprock		
RRMDD183	0.0	0.8	0.8	105.1	194.4	24.7	90.9	16.8	2.8	14.4	2.1	12.3	2.5	7.0	1.0	2.1	1.0	81.4	559	Soil		
RRMDD183	0.8	1.7	0.8	103.1	193.3	24.3	88.5	17.0	2.8	13.7	2.1	12.2	2.5	7.0	1.0	2.1	1.0	79.0	550	Soil		
RRMDD183	1.7	2.1	0.5	86.2	209.1	21.1	77.7	14.8	2.5	11.7	1.9	10.8	2.2	6.3	1.0	1.9	0.9	66.4	514	Hardcap		
RRMDD183	2.1	3.0	0.9	96.1	197.4	15.9	49.6	8.6	1.3	6.0	1.0	6.1	1.2	3.8	0.6	1.0	0.6	33.5	423	Hardcap		
RRMDD183	3.0	4.0	0.9	148.4	358.4	26.1	80.0	13.0	1.9	8.4	1.4	8.3	1.6	4.5	0.7	1.3	0.8	39.5	694	Hardcap		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	
																				Length (m)	TREO ppm	
RRMDD183	4.0	4.5	0.6	126.1	236.6	23.0	81.3	12.1	2.1	10.0	1.5	9.2	1.8	5.3	0.8	1.5	0.8	58.5	571	Transition	7.0	560
RRMDD183	4.5	5.1	0.6	141.3	219.6	27.3	98.0	15.2	2.6	12.5	1.9	11.0	2.1	6.5	0.9	1.9	1.0	73.4	615	Transition		
RRMDD183	5.1	5.4	0.3	93.5	114.4	20.0	75.6	12.0	2.2	10.4	1.5	9.1	1.8	5.3	0.8	1.5	0.8	58.9	408	Mottled		
RRMDD183	5.4	6.1	0.7	98.4	93.7	22.8	88.5	15.6	2.9	14.2	2.2	13.4	2.7	8.2	1.2	2.2	1.2	93.7	461	Mottled		
RRMDD183	6.1	6.8	0.7	82.7	84.9	18.7	72.9	12.5	2.4	10.8	1.7	10.2	2.0	6.2	0.9	1.6	0.9	68.3	377	Clay		
RRMDD183	6.8	7.4	0.6	220.5	270.6	35.5	123.1	18.8	3.6	14.5	2.0	11.4	2.1	6.2	0.9	2.0	0.8	70.5	782	Clay		
RRMDD183	7.4	8.2	0.8	108.8	159.9	24.1	94.5	17.0	3.5	16.0	2.3	13.5	2.7	7.5	1.1	2.3	1.0	102.1	556	Clay		
RRMDD183	8.2	9.0	0.8	101.1	101.0	25.4	103.1	18.6	4.0	17.5	2.6	14.9	2.9	8.3	1.2	2.5	1.0	112.5	517	Clay		
RRMDD183	9.0	9.8	0.8	66.1	105.7	16.3	67.3	12.1	2.6	11.1	1.6	9.5	1.9	5.2	0.7	1.6	0.7	72.3	375	Clay		
RRMDD183	9.8	10.7	0.9	187.6	222.0	49.3	204.7	37.6	8.1	35.5	5.0	27.8	5.4	15.0	2.1	5.0	1.7	206.4	1013	Clay		
RRMDD183	10.7	11.5	0.9	78.8	100.3	19.5	80.7	14.6	3.2	14.0	2.0	11.4	2.2	6.3	0.9	2.0	0.8	87.5	424	Clay		
RRMDD183	11.5	12.4	0.9	93.5	124.2	24.2	101.4	18.7	4.2	18.4	2.5	15.1	3.0	8.3	1.2	2.5	1.0	114.9	533	Clay		
RRMDD183	12.4	13.3	0.9	21.2	25.2	5.7	23.7	4.3	1.0	4.2	0.6	3.6	0.7	2.2	0.3	0.6	0.3	27.0	121	Clay		
RRMDD183	13.3	14.2	0.9	10.2	9.4	2.6	11.0	2.1	0.4	2.0	0.3	1.7	0.4	1.1	0.2	0.3	0.2	13.3	55	Clay		
RRMDD183	14.2	14.9	0.8	18.6	27.4	4.7	19.2	3.5	0.8	3.2	0.5	2.8	0.6	1.7	0.3	0.5	0.3	21.8	106	Clay		
RRMDD183	14.9	15.7	0.8	12.1	16.6	3.1	12.9	2.3	0.5	2.4	0.3	2.0	0.4	1.2	0.2	0.3	0.2	15.4	70	Sand		
RRMDD183	15.7	16.5	0.8	10.3	13.2	2.6	10.1	1.9	0.4	1.8	0.3	1.7	0.3	1.1	0.2	0.3	0.2	12.8	57	Sand		
RRMDD183	16.5	17.6	1.1	11.0	15.6	3.2	12.9	2.6	0.6	2.1	0.3	2.0	0.4	1.1	0.2	0.3	0.2	12.1	64	Sand		
RRMDD183	17.6	18.7	1.1	6.6	8.4	1.8	7.3	1.4	0.3	1.2	0.2	1.1	0.2	0.8	0.1	0.2	0.1	7.9	38	Sand		
RRMDD183	18.7	19.8	1.1	21.1	36.9	5.0	19.2	3.6	0.7	2.8	0.4	2.5	0.5	1.5	0.2	0.4	0.2	15.5	111	Sand		
RRMDD183	19.8	20.1	0.4	23.0	34.7	6.0	23.0	4.3	0.9	3.2	0.4	2.7	0.5	1.5	0.2	0.4	0.2	15.5	116	Lower Saprolite		
RRMDD183	20.1	20.4	0.3	121.4	226.1	25.7	97.7	16.7	3.9	13.7	1.8	10.0	1.8	4.7	0.6	1.8	0.6	58.3	585	Saprock		
RRMDD183	20.4	21.1	0.6	95.8	156.4	16.7	65.7	9.5	2.2	8.9	1.1	5.9	1.2	3.1	0.4	1.1	0.4	47.0	415	Fresh Rock		
RRMDD183	21.1	21.7	0.6	38.7	69.2	7.8	28.9	4.6	1.0	3.6	0.5	2.8	0.5	1.6	0.2	0.5	0.2	19.4	180	Fresh Rock		
RRMDD184	0.0	0.8	0.8	79.0	155.2	17.1	61.7	10.9	1.8	9.1	1.4	8.3	1.7	4.8	0.7	1.4	0.7	53.2	407	Soil	1.1	693
RRMDD184	0.8	1.5	0.7	87.6	172.8	20.6	74.2	13.8	2.4	10.9	1.7	10.2	2.1	5.8	0.8	1.7	0.9	62.6	468	Hardcap		
RRMDD184	1.5	2.2	0.7	70.4	199.7	15.8	55.9	10.3	1.7	8.4	1.4	7.8	1.6	4.8	0.7	1.3	0.8	49.3	430	Hardcap		
RRMDD184	2.2	2.4	0.2	67.1	154.0	14.3	49.8	9.2	1.5	6.8	1.2	6.9	1.5	4.3	0.7	1.1	0.7	42.7	362	Hardcap		
RRMDD184	2.4	3.2	0.8	74.9	157.5	16.5	59.8	10.8	1.9	8.5	1.4	8.0	1.7	5.0	0.7	1.4	0.7	52.1	401	Transition		
RRMDD184	3.2	4.0	0.8	64.9	202.6	13.0	46.8	8.2	1.5	7.0	1.2	7.0	1.4	4.4	0.6	1.2	0.7	42.0	402	Mottled		
RRMDD184	4.0	4.7	0.7	82.8	141.7	15.4	55.1	9.3	1.6	8.2	1.3	7.8	1.7	5.0	0.7	1.3	0.7	50.3	383	Mottled		
RRMDD184	4.7	5.2	0.5	80.7	141.1	14.7	53.4	8.3	1.4	7.0	1.1	7.0	1.5	4.4	0.6	1.1	0.7	48.0	371	Mottled		
RRMDD184	5.2	6.0	0.8	49.1	71.1	10.0	37.0	5.8	1.0	5.2	0.7	4.5	0.9	2.7	0.4	0.7	0.4	31.2	221	Mottled		
RRMDD184	6.0	6.8	0.8	49.5	72.5	10.4	38.3	6.3	1.1	5.7	0.8	4.8	1.1	3.0	0.4	0.8	0.4	33.3	228	Mottled		
RRMDD184	6.8	7.8	1.0	72.4	64.7	14.4	52.6	8.4	1.5	7.2	1.1	6.3	1.4	3.9	0.6	1.1	0.6	44.7	281	Mottled		
RRMDD184	7.8	8.8	1.0	48.2	43.2	10.9	39.4	5.9	1.1	5.3	0.8	4.5	0.9	2.6	0.4	0.8	0.4	30.0	194	Clay		
RRMDD184	8.8	9.7	0.9	46.0	44.5	10.3	39.0	6.0	1.1	5.3	0.8	4.6	0.9	2.7	0.4	0.8	0.4	31.9	195	Clay		
RRMDD184	9.7	10.7	1.0	51.3	57.0	11.1	41.8	6.8	1.2	5.8	0.9	5.0	1.0	2.9	0.4	0.8	0.4	34.4	221	Clay		
RRMDD184	10.7	11.6	1.0	45.9	43.5	10.4	38.4	5.7	1.1	4.8	0.7	4.0	0.8	2.4	0.3	0.7	0.3	28.2	187	Clay		
RRMDD184	11.6	12.6	1.0	45.9	52.5	10.3	37.3	5.3	1.0	4.1	0.6	3.3	0.7	2.0	0.3	0.6	0.3	23.4	187	Clay		
RRMDD184	12.6	13.6	1.0	38.7	58.9	8.7	32.2	4.5	0.8	3.4	0.5	2.9	0.6	1.7	0.3	0.5	0.3	19.9	174	Clay		
RRMDD184	13.6	14.5	1.0	29.2	154.6	6.4	24.3	3.7	0.7	3.1	0.5	2.5	0.5	1.6	0.2	0.5	0.3	18.2	246	Clay		
RRMDD184	14.5	15.5	1.0	34.1	49.8	8.0	30.2	4.9	1.0	4.3	0.6	3.4	0.8	2.2	0.3	0.6	0.3	25.9	167	Clay		
RRMDD184	15.5	16.4	1.0	41.4	46.6	9.2	35.7	5.7	1.2	5.1	0.7	4.1	0.8	2.4	0.3	0.7	0.3	30.2	184	Clay		
RRMDD184	16.4	17.4	1.0	39.5	36.0	8.8	34.3	5.8	1.2	5.1	0.8	4.3	0.8	2.6	0.4	0.8	0.4	30.4	171	Clay		
RRMDD184	17.4	18.5	1.1	146.6	199.7	36.9	138.8	23.8	5.2	19.1	2.6	14.3	2.8	7.2	1.0	2.6	1.0	91.2	693	Upper Saprolite		
RRMDD184	18.5	19.1	0.6	38.2	38.0	9.6	37.6	6.7	1.4	5.5	0.8	4.6	0.9	2.6	0.3	0.8	0.4	30.9	178	Upper Saprolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	
																					Length (m)	TREO ppm
RRMDD184	19.1	19.8	0.6	74.5	51.9	18.4	71.6	12.9	2.7	10.7	1.5	8.1	1.6	4.4	0.6	1.5	0.6	55.2	316	Upper Saprolite		
RRMDD184	19.8	20.8	1.0	40.6	29.0	9.9	38.3	6.8	1.6	5.6	0.8	4.1	0.8	2.4	0.3	0.8	0.3	28.8	170	Upper Saprolite		
RRMDD184	20.8	21.7	0.9	17.5	19.8	4.0	14.6	2.3	0.5	1.6	0.2	1.3	0.3	0.8	0.1	0.2	0.1	9.5	73	Upper Saprolite		
RRMDD184	21.7	22.4	0.7	33.0	18.5	8.0	31.8	5.8	1.2	4.6	0.7	3.6	0.7	2.0	0.3	0.7	0.3	24.0	135	Upper Saprolite		
RRMDD184	22.4	23.1	0.7	23.7	42.9	5.5	21.6	3.5	0.8	2.9	0.4	2.5	0.5	1.5	0.2	0.4	0.2	16.0	123	Upper Saprolite		
RRMDD184	23.1	23.9	0.8	21.2	37.8	5.1	19.1	3.4	0.7	2.7	0.4	2.1	0.4	1.2	0.2	0.4	0.2	14.1	109	Upper Saprolite		
RRMDD184	23.9	24.9	1.0	61.5	109.8	14.2	54.4	8.2	1.8	6.0	0.7	4.0	0.7	2.0	0.3	0.7	0.3	21.3	286	Saprock		
RRMDD184	24.9	25.9	1.0	67.1	136.5	16.2	69.1	15.4	3.8	14.3	1.8	10.4	1.8	4.7	0.6	1.8	0.5	56.5	400	Saprock		
RRMDD184	25.9	26.9	1.0	50.9	106.6	11.2	42.0	6.8	1.4	5.7	0.7	4.1	0.8	2.1	0.3	0.7	0.3	24.9	258	Saprock		
RRMDD185	0.0	1.0	1.0	67.0	97.9	14.0	49.7	8.9	1.5	7.3	1.2	7.4	1.5	4.5	0.7	1.2	0.7	48.1	312	Soil		
RRMDD185	1.0	2.0	1.0	67.3	97.2	13.8	49.0	9.1	1.5	7.5	1.2	7.1	1.5	4.4	0.6	1.2	0.7	46.6	309	Soil		
RRMDD185	2.0	3.0	1.0	82.2	121.2	16.7	57.6	10.2	1.7	8.4	1.3	8.1	1.6	4.9	0.7	1.3	0.7	51.4	368	Hardcap		
RRMDD185	3.0	3.9	0.9	149.5	659.4	26.4	83.3	12.2	1.8	7.7	1.2	6.7	1.3	3.7	0.6	1.2	0.6	35.8	992	Transition		
RRMDD185	3.9	4.8	0.9	129.6	495.5	21.3	69.4	10.5	1.6	7.2	1.1	6.3	1.2	3.7	0.6	1.1	0.6	34.4	784	Transition		
RRMDD185	4.8	5.6	0.9	141.9	233.1	27.7	100.7	15.1	2.5	9.7	1.3	7.2	1.3	3.6	0.6	1.3	0.5	34.8	581	Clay		
RRMDD185	5.6	6.3	0.7	245.1	319.8	65.0	254.3	38.8	6.2	22.2	2.8	13.7	2.0	5.1	0.7	2.7	0.6	49.5	1029	Clay		
RRMDD185	6.3	6.9	0.6	107.4	176.3	29.3	124.8	26.8	4.9	23.5	3.8	21.3	3.9	11.1	1.5	3.7	1.4	107.2	647	Upper Saprolite		
RRMDD185	6.9	7.5	0.6	91.7	162.2	27.3	131.2	34.9	7.6	45.1	7.3	45.9	9.7	27.4	3.9	7.3	3.6	312.4	918	Upper Saprolite		
RRMDD185	7.5	8.3	0.8	83.7	151.1	23.0	108.5	26.7	5.7	37.9	6.0	36.5	8.4	24.7	3.4	5.9	3.3	337.8	863	Lower Saprolite		
RRMDD185	8.3	9.2	0.9	80.2	155.2	18.0	69.4	13.3	2.4	11.9	1.8	10.1	2.1	6.0	0.8	1.8	0.9	74.3	448	Saprock		
RRMDD185	9.2	10.1	0.9	77.1	151.7	17.6	67.8	12.6	2.4	11.2	1.6	9.3	1.9	5.1	0.7	1.6	0.7	58.3	420	Saprock		
RRMDD185	10.1	10.9	0.9	79.2	158.1	18.1	69.6	12.8	2.3	10.8	1.5	8.4	1.6	4.4	0.6	1.5	0.6	47.9	417	Saprock		
RRMDD186	0.0	0.7	0.7	64.3	142.9	15.0	53.4	10.1	1.7	8.3	1.3	7.9	1.6	4.7	0.7	1.3	0.7	47.9	362	Soil		
RRMDD186	0.7	1.5	0.9	91.8	337.3	17.7	55.4	8.4	1.5	5.7	0.9	5.5	1.1	3.3	0.5	0.9	0.5	29.2	560	Hardcap		
RRMDD186	1.5	2.4	0.9	66.1	226.1	13.0	43.6	7.6	1.3	5.5	0.9	5.7	1.1	3.2	0.5	0.9	0.5	26.3	402	Hardcap		
RRMDD186	2.4	3.3	0.9	58.4	158.7	11.5	40.6	7.5	1.3	6.1	1.0	6.0	1.2	3.8	0.6	1.0	0.6	33.5	332	Transition		
RRMDD186	3.3	4.2	0.9	72.5	297.5	15.8	59.3	10.3	1.9	8.9	1.4	8.6	1.7	5.2	0.7	1.4	0.8	48.8	535	Transition		
RRMDD186	4.2	5.0	0.8	62.4	192.1	13.3	49.2	8.9	1.6	7.5	1.2	7.6	1.5	4.7	0.7	1.2	0.7	45.8	398	Transition		
RRMDD186	5.0	6.0	1.0	51.0	85.4	10.9	40.2	7.0	1.3	6.3	0.9	6.0	1.3	3.6	0.5	0.9	0.5	38.0	254	Mottled		
RRMDD186	6.0	6.9	0.9	109.5	111.4	17.1	58.3	9.5	1.8	8.0	1.1	6.7	1.2	3.8	0.6	1.1	0.6	41.1	372	Mottled		
RRMDD186	6.9	7.8	0.9	105.8	113.9	23.3	84.0	13.9	2.8	11.4	1.6	9.5	1.8	5.0	0.7	1.6	0.7	53.5	429	Clay		
RRMDD186	7.8	8.8	1.0	111.4	149.9	25.3	94.5	16.2	3.0	13.5	1.9	11.5	2.2	6.5	0.9	1.9	0.9	73.9	513	Upper Saprolite		
RRMDD186	8.8	9.8	1.0	98.0	99.4	24.6	94.5	16.3	3.3	14.0	1.9	11.6	2.2	6.2	0.8	1.9	0.8	73.3	449	Upper Saprolite		
RRMDD186	9.8	10.7	0.9	191.8	170.4	48.5	189.5	35.3	7.2	30.1	4.0	23.3	4.3	11.4	1.5	4.0	1.3	133.3	856	Upper Saprolite		
RRMDD186	10.7	11.7	1.0	208.2	167.5	57.7	233.3	45.8	9.7	39.1	5.3	30.5	5.4	15.1	1.8	5.2	1.6	165.1	991	Lower Saprolite		
RRMDD186	11.7	12.7	1.0	74.7	90.7	19.2	77.3	13.7	3.0	12.2	1.6	9.7	1.8	4.8	0.7	1.6	0.6	62.0	374	Lower Saprolite		
RRMDD186	12.7	13.5	0.8	51.3	99.1	12.9	54.9	11.5	2.5	10.0	1.3	7.4	1.3	3.4	0.4	1.3	0.4	41.8	299	Saprock		
RRMDD186	13.5	14.2	0.8	29.2	50.7	6.4	23.1	3.5	0.7	2.5	0.3	1.9	0.3	1.1	0.1	0.3	0.2	10.8	131	Saprock		
RRMDD186	14.2	15.0	0.8	28.9	51.3	6.5	22.6	3.3	0.7	2.1	0.3	1.4	0.3	0.8	0.1	0.3	0.2	7.9	126	Saprock		
RRMDD187	0.0	0.9	0.9	82.6	161.6	18.3	65.9	12.2	2.2	10.3	1.6	9.3	1.9	5.4	0.8	1.6	0.8	59.4	434	Soil		
RRMDD187	0.9	1.8	0.9	74.0	142.3	16.6	59.7	11.0	2.0	9.7	1.5	8.6	1.8	5.0	0.8	1.5	0.7	54.9	390	Soil		
RRMDD187	1.8	2.7	0.9	109.5	366.6	18.6	58.3	9.6	1.7	7.1	1.2	6.7	1.3	3.8	0.6	1.2	0.6	35.6	622	Hardcap		
RRMDD187	2.7	3.0	0.3	133.7	347.9	21.3	65.8	10.1	1.7	7.3	1.2	6.8	1.2	3.7	0.5	1.2	0.5	35.4	638	Hardcap		
RRMDD187	3.0	3.7	0.7	100.9	268.2	21.2	78.4	12.8	2.2	11.5	1.7	10.1	2.0	6.0	0.9	1.6	0.9	62.4	581	Transition		
RRMDD187	3.7	4.7	1.1	87.8	145.2	19.5	73.5	12.6	2.2	11.5	1.7	10.8	2.0	6.1	0.8	1.7	0.9	66.5	443	Mottled		
RRMDD187	4.7	5.8	1.1	63.8	162.8	14.9	54.2	9.9	1.9	8.6	1.3	8.0	1.6	4.6	0.7	1.3	0.6	51.3	386	Mottled		
RRMDD187	5.8	6.6	0.8	67.4	67.5	15.5	58.9	10.9	1.9	9.6	1.4	8.5	1.8	5.1	0.7	1.3	0.7	61.0	312	Mottled		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₃ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	
																					Length (m)	TREO ppm
RRMDD187	6.6	7.4	0.8	57.6	44.7	13.6	52.5	9.5	1.8	8.4	1.2	7.6	1.6	4.5	0.7	1.2	0.6	54.9	260	Mottled		
RRMDD187	7.4	8.2	0.8	40.0	32.1	10.0	38.7	6.9	1.4	6.4	0.9	6.0	1.2	3.5	0.5	0.9	0.5	40.0	189	Mottled		
RRMDD187	8.2	9.0	0.8	49.8	38.9	12.2	48.1	8.7	1.7	7.9	1.2	7.2	1.5	4.2	0.6	1.2	0.6	51.0	235	Mottled		
RRMDD187	9.0	9.8	0.8	27.0	22.3	6.8	26.4	4.9	1.0	4.3	0.7	3.9	0.8	2.4	0.4	0.7	0.3	28.3	130	Mottled		
RRMDD187	9.8	10.9	1.1	15.8	15.9	4.7	18.8	4.0	0.8	3.2	0.5	3.4	0.7	1.8	0.3	0.5	0.3	19.4	90	Clay		
RRMDD187	10.9	11.4	0.5	58.3	53.1	14.9	58.9	11.4	2.3	10.0	1.5	8.6	1.8	5.0	0.7	1.5	0.6	57.5	286	Clay		
RRMDD187	11.4	12.0	0.6	28.1	27.2	7.3	29.0	5.6	1.2	4.9	0.8	4.6	1.0	2.6	0.4	0.8	0.4	30.7	145	Clay		
RRMDD187	12.0	13.0	1.0	106.8	182.7	22.6	79.1	12.3	2.2	7.8	1.0	5.7	1.0	2.9	0.4	1.0	0.4	35.0	461	Clay		
RRMDD187	13.0	14.0	1.0	40.7	92.4	9.0	32.3	5.5	1.0	3.9	0.5	3.2	0.6	1.7	0.3	0.5	0.3	19.9	212	Upper Saprolite		
RRMDD187	14.0	15.0	1.0	46.6	101.7	11.4	40.0	7.0	1.3	4.5	0.6	3.3	0.6	1.6	0.2	0.6	0.3	17.3	237	Upper Saprolite		
RRMDD187	15.0	16.1	1.1	79.2	146.4	18.2	68.8	12.6	2.6	10.4	1.4	7.3	1.3	3.5	0.5	1.4	0.5	43.4	397	Saprock		
RRMDD188	0.0	1.0	1.0	84.0	297.5	15.2	50.5	8.4	1.5	7.0	1.1	6.7	1.3	3.8	0.6	1.1	0.6	39.6	519	Soil		
RRMDD188	1.0	1.8	0.8	85.5	350.2	14.3	45.7	7.7	1.3	5.9	1.0	5.9	1.1	3.3	0.5	1.0	0.5	32.3	556	Soil		
RRMDD188	1.8	2.5	0.7	74.7	408.8	13.1	42.2	7.7	1.4	5.7	1.0	5.5	1.0	3.3	0.5	1.0	0.5	26.5	593	Hardcap		
RRMDD188	2.5	3.2	0.7	97.5	353.7	18.1	60.0	10.8	1.9	7.9	1.3	7.6	1.4	4.3	0.7	1.3	0.7	37.8	605	Hardcap		
RRMDD188	3.2	3.8	0.7	123.7	169.3	24.3	86.8	14.1	2.2	9.3	1.3	7.2	1.4	3.7	0.5	1.3	0.5	38.1	484	Transition		
RRMDD188	3.8	4.7	0.9	194.1	247.1	46.0	169.7	26.6	4.2	15.9	2.1	10.4	1.7	4.1	0.6	2.1	0.6	42.0	767	Clay		
RRMDD188	4.7	5.7	1.0	168.9	230.2	41.1	152.8	23.7	3.7	14.9	2.0	10.7	1.9	4.4	0.6	2.0	0.6	47.4	705	Clay		
RRMDD188	5.7	6.4	0.7	192.9	279.9	52.5	197.7	31.4	5.1	20.3	2.8	15.0	2.5	5.9	0.8	2.8	0.8	59.6	870	Upper Saprolite		
RRMDD188	6.4	7.1	0.7	122.0	192.7	32.4	128.3	21.9	3.7	16.3	2.4	13.1	2.5	6.5	0.9	2.4	0.8	64.1	610	Upper Saprolite		
RRMDD188	7.1	8.0	0.9	90.3	169.8	29.5	146.4	45.2	10.3	66.2	11.5	76.9	17.3	50.7	7.3	11.4	6.9	671.8	1412	Saprock		
RRMDD188	8.0	8.7	0.7	77.6	155.8	20.2	86.0	15.3	2.8	14.3	2.0	11.8	2.6	7.5	1.0	2.0	1.0	113.7	514	Saprock		
RRMDD188	8.7	9.7	1.0	74.2	151.1	16.7	63.5	12.1	2.1	9.6	1.5	8.5	1.8	5.0	0.7	1.5	0.6	57.9	407	Saprock		
RRMDD188	9.7	10.6	0.9	76.7	155.8	17.4	66.3	12.6	2.3	10.4	1.6	9.5	1.8	5.2	0.8	1.6	0.7	58.4	421	Saprock		
RRMDD188	10.6	11.5	0.9	70.7	146.4	15.9	59.5	11.3	2.0	8.8	1.3	7.6	1.5	4.0	0.6	1.3	0.6	45.5	377	Saprock		
RRMDD188	11.5	12.5	1.0	76.3	157.5	17.0	62.1	11.4	1.9	8.9	1.4	7.8	1.5	4.4	0.6	1.3	0.6	51.0	404	Saprock		
RRMDD189	0.0	1.0	1.0	101.7	216.1	22.2	78.5	14.8	2.7	12.4	2.0	11.5	2.2	6.8	1.0	2.0	1.0	70.7	546	Soil		
RRMDD189	1.0	2.0	1.0	100.0	224.9	22.1	79.9	15.0	2.6	12.8	2.0	11.6	2.3	6.6	1.0	2.0	1.0	72.1	556	Soil		
RRMDD189	2.0	2.7	0.7	97.8	358.4	15.7	47.2	8.1	1.4	6.0	1.1	6.2	1.1	3.6	0.6	1.1	0.6	31.0	580	Hardcap		
RRMDD189	2.7	3.5	0.7	103.9	531.8	16.3	50.7	8.9	1.5	6.4	1.2	6.3	1.2	3.9	0.6	1.1	0.6	31.7	766	Hardcap		
RRMDD189	3.5	4.5	1.0	79.6	110.5	19.4	72.9	12.9	2.3	10.9	1.7	10.4	2.1	6.3	0.9	1.7	0.9	71.1	404	Mottled		
RRMDD189	4.5	5.4	1.0	97.0	143.5	19.5	71.4	12.5	2.3	10.6	1.7	9.9	2.0	5.7	0.8	1.6	0.8	67.2	446	Mottled		
RRMDD189	5.4	6.3	0.9	156.0	253.0	60.3	255.4	50.8	9.7	43.8	6.5	38.1	7.6	20.7	2.8	6.5	2.4	260.3	1174	Upper Saprolite		
RRMDD189	6.3	7.2	0.9	180.6	272.9	52.2	221.6	36.6	7.1	37.8	5.2	31.1	6.8	19.2	2.5	5.2	2.2	325.1	1206	Lower Saprolite		
RRMDD189	7.2	8.2	0.9	58.6	120.1	13.1	47.7	8.4	1.5	5.8	0.9	4.8	1.0	2.9	0.4	0.9	0.4	32.6	299	Lower Saprolite		
RRMDD189	8.2	9.1	1.0	11.8	21.8	2.5	8.7	1.5	0.3	1.2	0.2	1.2	0.2	0.8	0.1	0.2	0.2	8.3	59	Lower Saprolite		
RRMDD189	9.1	10.2	1.1	69.3	151.1	15.7	56.0	9.6	1.9	7.2	1.1	6.0	1.1	3.1	0.5	1.1	0.5	35.9	360	Lower Saprolite		
RRMDD189	10.2	11.0	0.8	66.3	145.2	15.0	56.1	10.3	2.0	8.3	1.1	6.8	1.3	3.6	0.5	1.1	0.5	44.2	362	Saprock		
RRMDD189	11.0	12.0	1.0	40.3	83.6	8.3	29.4	5.1	0.9	3.3	0.5	2.8	0.6	1.7	0.3	0.5	0.3	17.3	195	Saprock		
RRMDD189	12.0	12.7	0.7	46.1	104.0	11.4	45.4	9.6	2.0	8.2	1.3	8.3	1.7	5.1	0.7	1.3	0.6	54.2	300	Saprock		
RRMDD190	0.0	0.4	0.4	86.2	164.0	17.1	59.6	10.9	1.8	9.1	1.5	8.7	1.7	4.9	0.8	1.4	0.8	53.6	422	Soil		
RRMDD190	0.4	1.2	0.8	94.1	233.7	17.5	60.3	10.6	1.7	8.0	1.3	7.4	1.4	4.2	0.7	1.3	0.7	37.6	480	Hardcap		
RRMDD190	1.2	2.0	0.8	99.5	474.4	17.9	59.6	10.8	1.6	8.1	1.3	7.5	1.4	4.2	0.7	1.3	0.7	37.8	727	Hardcap		
RRMDD190	2.0	2.8	0.8	103.0	309.2	18.8	67.1	12.1	1.8	8.7	1.4	8.3	1.6	4.7	0.7	1.4	0.8	48.8	588	Hardcap		
RRMDD190	2.8	3.5	0.7	109.8	260.0	20.9	72.7	12.3	2.0	9.7	1.5	8.7	1.8	5.0	0.8	1.5	0.8	54.2	562	Transition		
RRMDD190	3.5	4.1	0.6	109.4	237.8	20.0	69.3	11.8	1.9	9.1	1.4	8.3	1.7	4.8	0.7	1.4	0.7	52.4	531	Transition		
RRMDD190	4.1	4.9	0.8	100.4	154.6	19.1	65.4	10.7	1.7	8.0	1.2	7.5	1.6	4.4	0.7	1.2	0.7	49.1	426	Mottled		

Geological Log & Analytical Data																			>300ppm TREO-Ce ₃ O ₃ Interval			
Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	Length (m)	TREO ppm
RRMDD190	4.9	5.9	1.0	340.1	434.6	68.8	240.3	38.3	6.0	23.6	3.0	14.6	2.3	5.6	0.8	3.0	0.7	58.0	1240	Mottled	8.8	612
RRMDD190	5.9	6.5	0.6	67.6	105.7	19.6	75.0	15.7	2.7	11.5	1.7	9.5	1.8	5.1	0.8	1.7	0.8	54.1	373	Mottled		
RRMDD190	6.5	7.2	0.7	172.4	331.5	31.5	98.9	15.9	2.6	10.8	1.5	8.2	1.5	4.2	0.7	1.5	0.7	43.6	725	Mottled		
RRMDD190	7.2	7.9	0.8	105.8	163.4	25.7	95.5	18.3	3.2	15.2	2.2	12.9	2.6	7.5	1.1	2.2	1.0	90.4	547	Pallid		
RRMDD190	7.9	8.7	0.8	93.7	277.6	24.2	91.2	16.7	2.9	13.2	1.9	11.2	2.3	6.7	1.0	1.9	0.9	80.1	626	Pallid		
RRMDD190	8.7	9.5	0.8	91.2	154.0	22.8	84.3	15.2	2.7	12.6	1.8	10.8	2.2	6.2	1.0	1.8	0.9	75.4	483	Pallid		
RRMDD190	9.5	10.3	0.8	96.1	151.7	20.5	73.7	14.0	2.5	12.0	1.7	10.9	2.2	6.7	1.0	1.7	0.9	78.5	474	Pallid		
RRMDD190	10.3	11.1	0.8	131.9	190.9	32.9	126.0	25.0	4.8	21.9	3.4	20.8	4.4	12.8	1.8	3.3	1.5	136.5	718	Upper Saprolite		
RRMDD190	11.1	11.9	0.8	80.0	131.8	22.3	87.9	18.3	3.4	14.6	2.1	11.4	2.3	6.6	0.9	2.1	0.8	74.7	459	Upper Saprolite		
RRMDD190	11.9	12.8	0.9	75.9	169.8	20.1	79.5	16.6	3.1	13.7	2.0	11.2	2.2	6.0	0.9	1.9	0.8	66.8	470	Upper Saprolite		
RRMDD190	12.8	13.6	0.8	59.5	110.6	15.4	61.9	14.4	3.0	16.7	2.7	17.4	3.8	11.4	1.6	2.7	1.5	134.6	457	Lower Saprolite		
RRMDD190	13.6	14.6	1.0	52.9	96.4	12.6	48.6	9.8	1.9	9.4	1.4	8.5	1.8	5.5	0.8	1.4	0.8	63.9	316	Lower Saprolite		
RRMDD190	14.6	15.6	1.0	54.3	99.9	11.8	45.7	10.9	2.7	18.0	2.9	20.0	4.8	14.2	2.0	2.9	1.8	202.5	494	Saprock		
RRMDD190	15.6	16.6	1.0	49.0	97.3	11.2	42.6	8.4	1.6	7.8	1.2	6.6	1.4	3.9	0.6	1.1	0.5	54.0	287	Saprock		
RRMDD190	16.6	17.6	1.0	50.2	99.4	11.0	41.3	7.5	1.5	6.2	0.9	5.0	1.0	2.7	0.4	0.9	0.4	36.2	265	Saprock		
RRMDD190	17.6	18.5	0.9	49.1	98.6	10.8	39.0	6.9	1.2	5.3	0.6	3.8	0.8	2.1	0.3	0.6	0.3	26.3	246	Saprock		
RRMDD191	0.0	0.7	0.7	153.1	227.8	28.9	95.1	14.9	2.5	11.8	1.8	10.1	1.7	5.0	0.7	1.8	0.7	51.9	608	Soil	5.5	499
RRMDD191	0.7	1.4	0.7	185.9	265.9	34.1	110.7	17.3	2.8	12.9	1.9	10.3	1.8	4.8	0.7	1.9	0.6	51.4	703	Soil		
RRMDD191	1.4	2.4	1.1	336.6	529.4	66.8	218.1	33.6	5.3	22.6	3.2	16.3	2.5	6.1	0.8	3.1	0.6	62.1	1307	Hardcap		
RRMDD191	2.4	3.1	0.7	274.4	584.5	54.7	183.1	29.0	4.7	20.5	2.9	14.9	2.4	6.0	0.8	2.9	0.7	53.1	1235	Hardcap		
RRMDD191	3.1	3.8	0.7	220.5	797.7	44.4	155.7	25.4	4.1	18.8	2.8	14.5	2.5	6.7	0.9	2.8	0.8	64.1	1362	Transition		
RRMDD191	3.8	4.7	0.9	78.7	108.7	17.2	61.5	11.2	1.8	9.8	1.5	9.6	2.1	6.5	1.0	1.5	0.9	77.0	389	Mottled		
RRMDD191	4.7	5.7	1.0	72.7	103.2	18.9	71.3	13.5	2.4	13.1	2.0	13.1	2.9	8.6	1.3	2.0	1.3	112.4	439	Clay		
RRMDD191	5.7	6.6	0.9	73.7	110.5	18.7	70.2	13.3	2.3	13.3	2.0	13.0	2.8	8.3	1.3	2.0	1.2	107.2	440	Clay		
RRMDD191	6.6	7.5	0.9	142.5	203.8	27.6	92.0	15.8	2.9	15.2	2.4	14.6	3.2	9.0	1.4	2.3	1.3	117.0	651	Clay		
RRMDD191	8.5	8.5	0.0	143.1	193.3	29.4	99.3	16.4	3.0	14.9	2.2	13.5	2.9	8.4	1.2	2.2	1.2	102.6	633	Clay		
RRMDD191	8.5	9.4	1.0	63.7	90.1	16.7	63.0	11.8	2.3	12.9	2.0	13.2	2.9	8.6	1.3	2.0	1.3	110.6	402	Clay		
RRMDD191	9.4	10.3	0.9	66.5	209.1	16.2	58.1	10.9	2.1	11.4	1.8	11.6	2.5	7.2	1.1	1.8	1.1	87.5	489	Upper Saprolite		
RRMDD191	10.3	11.1	0.9	120.8	188.0	25.7	91.4	18.0	3.3	16.7	2.5	13.8	2.7	7.7	1.2	2.4	1.1	88.9	584	Upper Saprolite		
RRMDD191	11.1	12.0	0.9	58.6	94.4	14.3	51.9	9.5	1.8	9.5	1.5	9.2	2.0	5.7	0.9	1.5	0.9	74.3	336	Upper Saprolite		
RRMDD191	12.0	12.8	0.9	68.7	122.4	17.3	62.9	11.2	2.1	10.6	1.6	9.8	2.1	6.1	0.9	1.5	0.9	74.5	393	Upper Saprolite		
RRMDD191	12.8	13.7	0.9	69.3	142.3	17.6	63.9	11.4	2.2	10.9	1.6	9.7	2.0	5.8	0.9	1.6	0.9	70.4	411	Upper Saprolite		
RRMDD191	13.7	14.7	1.0	63.6	108.1	16.4	61.6	12.1	2.4	12.0	1.8	11.2	2.4	7.1	1.1	1.8	1.0	87.1	390	Upper Saprolite		
RRMDD191	14.7	15.7	1.0	89.6	138.2	19.5	70.0	12.6	2.5	11.8	1.7	10.0	2.1	6.0	0.9	1.7	0.9	71.9	439	Lower Saprolite		
RRMDD191	15.7	16.7	1.1	64.4	97.6	14.9	54.7	10.8	2.2	10.5	1.7	10.3	2.2	6.5	1.0	1.7	1.0	77.3	357	Lower Saprolite		
RRMDD191	16.7	17.7	1.0	47.6	80.1	12.9	50.6	10.7	2.3	11.9	2.0	12.4	2.7	8.0	1.3	2.0	1.2	94.5	340	Lower Saprolite		
RRMDD191	17.7	18.7	1.0	54.3	105.8	15.4	59.6	12.4	2.5	12.3	1.8	11.4	2.4	7.0	1.1	1.8	1.0	81.8	371	Lower Saprolite		
RRMDD191	18.7	19.7	1.0	61.5	114.7	15.8	61.2	12.1	2.5	11.8	1.7	10.5	2.2	6.1	0.9	1.7	0.9	70.1	374	Lower Saprolite		
RRMDD191	19.7	20.7	1.0	56.3	106.8	13.5	50.0	9.3	1.9	8.8	1.3	7.8	1.7	4.7	0.7	1.3	0.7	54.5	319	Saprock		
RRMDD191	20.7	21.7	1.0	50.4	97.9	11.4	41.5	7.4	1.5	6.9	1.0	5.7	1.2	3.7	0.5	1.0	0.6	41.9	273	Saprock		
RRMDD191	21.7	22.6	0.9	60.6	118.3	13.7	49.5	9.4	1.8	8.3	1.1	6.3	1.3	3.5	0.5	1.1	0.5	46.2	322	Saprock		
RRMDD191	22.6	23.6	1.0	54.8	110.0	11.8	42.8	7.9	1.5	7.2	1.0	5.6	1.1	3.2	0.5	1.0	0.4	38.6	287	Saprock		
RRMDD191	23.6	24.4	0.8	57.1	112.3	13.0	48.5	9.1	1.8	8.4	1.2	6.3	1.3	3.3	0.5	1.1	0.4	44.4	309	Saprock		
RRMDD192	0.0	0.3	0.3	98.5	195.0	20.3	71.7	13.2	2.2	10.9	1.7	10.1	1.9	5.8	0.9	1.7	0.9	63.5	498	Soil	1.0	439
RRMDD192	0.3	1.0	0.7	75.8	331.5	13.9	46.9	8.7	1.6	6.6	1.1	6.5	1.2	3.7	0.6	1.1	0.6	34.4	534	Hardcap		
RRMDD192	1.0	1.7	0.7	131.9	1089.3	21.1	65.2	11.0	1.9	8.1	1.4	7.8	1.4	4.4	0.7	1.4	0.7	37.6	1384	Hardcap		
RRMDD192	1.7	2.4	0.7	196.4	1098.7	31.7	94.9	14.9	2.4	10.6	1.8	9.7	1.8	5.5	0.9	1.8	0.9	47.5	1519	Hardcap		

Geological Log & Analytical Data																			>300ppm TREO-Ce ₂ O ₃ Interval			
Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	Length (m)	TREO ppm
RRMDD192	2.4	3.3	0.9	389.4	705.1	71.2	220.4	32.6	5.1	20.4	2.9	15.4	2.6	6.9	1.0	2.9	1.0	65.3	1542	Transition	3.6	628
RRMDD192	3.3	4.1	0.8	286.2	578.6	55.9	184.3	31.1	5.3	23.6	3.5	17.9	2.9	7.7	1.1	3.4	1.0	73.7	1276	Transition		
RRMDD192	4.1	4.7	0.6	157.7	258.9	31.7	106.3	17.9	2.8	14.3	2.0	12.2	2.4	7.2	1.1	2.0	1.1	78.0	695	Mottled		
RRMDD192	4.7	5.0	0.4	213.4	288.1	41.9	140.6	23.9	4.0	17.9	2.6	15.0	3.0	8.6	1.3	2.6	1.3	97.3	861	Clay		
RRMDD192	5.0	6.0	1.0	81.7	137.6	20.7	80.2	16.1	3.0	14.7	2.2	13.6	2.8	7.9	1.2	2.2	1.2	94.2	479	Clay		
RRMDD192	6.0	7.1	1.1	93.8	156.4	22.8	85.3	16.9	3.2	14.7	2.2	13.1	2.7	7.8	1.2	2.2	1.2	89.9	513	Upper Saprolite		
RRMDD192	7.1	7.7	0.6	97.6	255.3	34.8	151.6	33.9	6.9	33.8	4.9	28.9	5.9	16.9	2.5	4.8	2.4	223.5	904	Lower Saprolite		
RRMDD192	7.7	8.6	0.9	61.1	134.7	15.9	64.4	11.7	2.4	12.4	1.7	10.1	2.3	7.0	1.1	1.7	1.1	110.9	438	Saprock		
RRMDD192	8.6	9.3	0.7	61.6	135.3	14.3	51.9	9.9	1.9	7.8	1.1	6.4	1.2	3.4	0.5	1.1	0.5	39.7	337	Saprock		
RRMDD192	9.3	10.0	0.7	64.7	144.7	15.1	55.1	10.0	1.9	7.9	1.0	5.3	1.0	2.6	0.4	1.0	0.4	30.5	341	Saprock		
RRMDD192	10.0	10.6	0.6	42.5	90.5	9.7	35.0	6.1	1.2	4.6	0.6	3.2	0.6	1.7	0.3	0.6	0.3	18.8	216	Saprock		
RRMDD192	10.6	11.3	0.7	62.9	137.0	14.7	58.6	13.0	2.9	14.0	2.8	22.6	5.8	19.2	3.2	2.8	3.7	191.1	554	Saprock		
RRMDD193	0.0	0.7	0.7	72.5	123.0	13.5	46.2	7.9	1.4	7.0	1.1	6.7	1.3	3.9	0.6	1.1	0.7	41.3	328	Soil	2.7	749
RRMDD193	0.7	1.5	0.8	66.4	115.8	12.5	42.5	7.5	1.3	6.6	1.1	6.4	1.2	3.7	0.6	1.1	0.6	39.0	306	Soil		
RRMDD193	1.5	2.2	0.7	62.5	108.5	11.3	38.3	7.1	1.1	5.7	0.9	5.4	1.0	3.2	0.5	0.9	0.5	32.4	279	Soil		
RRMDD193	2.2	2.9	0.8	60.2	90.2	10.9	35.9	6.2	1.1	5.4	0.9	5.3	1.0	3.1	0.5	0.9	0.5	30.0	252	Hardcap		
RRMDD193	2.9	3.5	0.6	62.4	93.6	11.1	35.8	6.5	1.1	5.1	0.8	5.1	1.0	3.0	0.5	0.8	0.5	27.2	254	Hardcap		
RRMDD193	3.5	3.7	0.2	66.3	232.5	11.8	39.2	7.0	1.2	5.6	0.9	5.4	1.1	3.3	0.5	0.9	0.5	30.7	407	Hardcap		
RRMDD193	3.7	4.5	0.8	117.3	218.4	20.7	63.7	9.9	1.7	7.7	1.2	7.3	1.4	4.1	0.7	1.2	0.7	42.9	499	Transition		
RRMDD193	4.5	5.2	0.7	105.3	131.8	20.2	65.0	9.7	1.7	7.9	1.1	6.8	1.4	4.0	0.6	1.1	0.7	40.9	398	Mottled		
RRMDD193	5.2	6.0	0.9	76.9	120.1	14.8	49.3	8.3	1.4	7.1	1.1	6.8	1.4	4.0	0.7	1.1	0.7	42.5	336	Mottled		
RRMDD193	6.0	7.0	1.0	52.5	94.3	11.6	41.5	7.3	1.3	6.7	1.0	6.3	1.4	3.9	0.6	1.0	0.6	41.1	271	Mottled		
RRMDD193	7.0	7.9	0.9	67.2	114.0	15.0	52.1	9.2	1.6	7.7	1.2	6.9	1.4	4.3	0.7	1.1	0.7	43.4	327	Mottled		
RRMDD193	7.9	8.5	0.6	70.0	127.1	20.2	75.3	14.8	2.5	11.5	1.7	9.7	1.9	5.3	0.8	1.6	0.8	51.8	395	Clay		
RRMDD193	8.5	9.4	0.9	174.2	258.9	51.4	204.1	39.0	7.1	31.6	4.5	25.6	4.9	13.3	1.9	4.4	1.5	149.2	971	Clay		
RRMDD193	9.4	10.2	0.8	97.2	167.5	27.0	109.3	22.8	4.6	24.4	3.9	24.9	5.2	14.4	2.0	3.9	1.7	163.2	672	Upper Saprolite		
RRMDD193	10.2	11.2	1.0	73.5	149.3	20.9	89.1	21.0	4.7	25.5	4.2	26.3	5.5	14.9	2.1	4.1	1.8	168.3	611	Lower Saprolite	2.7	749
RRMDD193	11.2	12.0	0.8	72.0	131.8	15.9	62.3	12.9	2.5	12.9	2.2	17.6	4.9	16.8	2.6	2.2	2.6	170.2	529	Saprock		
RRMDD193	12.0	12.9	0.9	55.7	98.3	10.5	37.4	6.5	1.4	5.1	0.7	4.2	0.9	2.7	0.4	0.7	0.4	28.3	253	Saprock		
RRMDD193	12.9	13.4	0.5	45.2	81.9	9.0	32.3	5.8	1.2	4.6	0.7	3.8	0.8	2.4	0.4	0.7	0.4	25.9	215	Saprock		
RRMDD193	13.4	14.0	0.6	48.4	83.4	8.8	31.3	5.3	1.1	4.1	0.6	3.4	0.7	2.3	0.4	0.6	0.4	22.7	213	Saprock		
RRMDD194	0.0	1.2	1.2	156.6	264.7	30.1	105.4	17.7	3.0	12.9	1.8	9.6	1.7	4.6	0.7	1.8	0.7	47.1	658	Soil	9.4	544
RRMDD194	1.2	1.7	0.5	183.0	310.4	35.0	120.1	19.0	3.3	13.4	1.9	10.1	1.8	5.0	0.7	1.9	0.7	45.3	752	Soil		
RRMDD194	1.7	2.5	0.8	212.3	479.1	41.0	138.2	23.0	4.0	15.6	2.2	11.1	2.0	5.6	0.8	2.2	0.7	48.3	986	Hardcap		
RRMDD194	2.5	3.4	0.9	124.3	627.8	24.6	83.0	14.3	2.4	9.9	1.5	8.3	1.4	4.5	0.7	1.5	0.7	36.7	942	Hardcap		
RRMDD194	3.4	4.5	1.1	124.9	205.0	25.3	88.6	14.0	2.4	8.4	1.2	6.2	1.1	3.0	0.4	1.1	0.5	27.7	510	Mottled		
RRMDD194	4.5	5.2	0.7	128.4	234.3	30.4	112.1	18.0	3.1	12.6	1.8	9.9	1.9	4.8	0.7	1.8	0.7	52.6	613	Mottled		
RRMDD194	5.2	5.9	0.7	118.5	213.2	29.7	114.1	20.5	3.8	16.6	2.5	14.7	2.9	7.6	1.1	2.5	1.0	85.7	634	Clay		
RRMDD194	5.9	6.9	1.0	102.2	169.3	22.5	88.1	16.4	3.0	12.5	1.9	10.4	2.1	5.5	0.8	1.9	0.7	59.7	497	Clay		
RRMDD194	6.9	7.5	0.6	111.9	224.3	29.5	121.9	24.1	4.4	18.0	2.4	13.1	2.3	5.7	0.8	2.4	0.7	63.6	625	Clay		
RRMDD194	7.5	8.2	0.7	99.2	186.8	23.3	91.8	18.0	3.4	15.0	2.2	12.7	2.4	6.2	0.9	2.2	0.9	71.0	536	Upper Saprolite		
RRMDD194	8.2	9.2	1.0	93.2	189.2	22.8	94.5	21.3	4.5	23.9	4.2	27.5	6.1	18.1	2.7	4.1	2.5	225.4	740	Upper Saprolite	9.4	544
RRMDD194	9.2	10.3	1.1	85.0	173.4	19.2	76.0	15.0	3.1	15.8	2.4	13.9	2.7	7.2	1.1	2.4	1.0	78.5	497	Upper Saprolite		
RRMDD194	10.3	11.0	0.7	81.3	159.3	18.0	75.2	15.9	3.1	15.0	2.2	12.6	2.2	5.6	0.8	2.2	0.7	57.1	451	Upper Saprolite		
RRMDD194	11.0	11.9	0.9	86.6	173.9	18.3	67.8	13.2	2.5	12.5	1.8	9.5	1.8	4.5	0.6	1.7	0.6	46.2	441	Upper Saprolite		
RRMDD194	11.9	12.8	0.9	90.2	179.2	18.4	64.6	11.3	1.9	11.1	1.7	10.7	2.4	6.8	1.0	1.7	0.9	82.7	485	Lower Saprolite		
RRMDD194	12.8	13.6	0.8	98.3	197.4	19.8	68.4	11.2	1.7	8.8	1.2	6.5	1.4	4.0	0.6	1.1	0.6	52.4	473	Saprock		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	
																					Length (m)	TREO ppm
RRMDD194	13.6	14.2	0.6	84.9	168.7	17.4	63.1	11.1	1.7	8.6	1.1	6.2	1.3	3.6	0.5	1.1	0.5	48.5	418	Saprock		
RRMDD194	14.2	15.0	0.8	86.0	173.9	17.3	63.7	12.9	2.3	13.4	2.2	13.7	3.1	9.1	1.2	2.1	1.2	148.6	551	Saprock		
RRMDD194	15.0	15.8	0.8	106.0	212.0	21.6	77.3	13.5	2.2	10.3	1.5	8.0	1.6	4.2	0.6	1.5	0.6	48.6	509	Saprock		
RRMDD194	15.8	16.3	0.5	78.7	148.8	15.4	53.2	8.8	1.4	6.1	0.9	4.8	0.9	2.3	0.3	0.9	0.4	25.3	348	Saprock		
RRMDD195	0.0	0.8	0.8	73.3	126.5	14.6	50.0	8.5	1.5	7.4	1.2	7.1	1.4	4.4	0.6	1.2	0.7	42.5	341	Soil		
RRMDD195	0.8	1.8	1.0	75.5	134.7	15.4	52.5	8.9	1.5	7.5	1.2	7.0	1.4	4.2	0.6	1.2	0.7	42.8	355	Soil		
RRMDD195	1.8	2.0	0.3	46.9	68.3	9.6	32.9	5.8	1.0	4.5	0.8	4.6	0.9	2.9	0.4	0.8	0.5	24.5	204	Hardcap		
RRMDD195	2.0	3.0	1.0	141.9	142.3	25.9	86.5	15.0	2.6	11.9	1.8	10.8	2.3	6.6	1.0	1.8	0.9	73.7	525	Clay		
RRMDD195	3.0	3.9	0.9	126.7	188.6	36.7	140.6	27.8	5.0	21.8	3.4	20.2	4.2	11.8	1.7	3.4	1.5	133.3	727	Upper Saprolite		
RRMDD195	3.9	4.8	0.9	160.1	222.0	49.4	204.7	43.5	8.2	39.1	5.8	34.4	6.9	19.3	2.8	5.8	2.4	215.9	1020	Lower Saprolite		
RRMDD195	4.8	5.6	0.8	121.4	132.9	30.4	130.1	27.7	6.1	34.3	5.4	34.9	8.0	23.3	3.4	5.4	3.2	281.9	848	Lower Saprolite		
RRMDD195	5.6	6.4	0.8	63.9	90.2	12.5	48.4	8.6	1.8	9.5	1.4	8.2	2.0	5.8	0.8	1.3	0.8	85.7	341	Saprock		
RRMDD195	6.4	7.2	0.8	42.2	75.2	8.6	31.6	5.6	1.1	4.2	0.6	3.3	0.7	2.0	0.3	0.6	0.3	24.8	201	Saprock		
RRMDD195	7.2	8.0	0.8	44.3	82.9	9.3	34.4	6.2	1.3	5.0	0.7	3.9	0.8	2.3	0.3	0.7	0.3	24.3	217	Saprock		
RRMDD196	0.0	0.8	0.8	73.1	102.6	15.2	51.0	8.8	1.6	7.7	1.3	7.6	1.5	4.6	0.7	1.3	0.7	45.6	323	Soil		
RRMDD196	0.8	1.6	0.8	71.9	99.6	14.7	50.5	9.1	1.5	7.8	1.3	7.4	1.5	4.5	0.7	1.2	0.7	45.0	317	Soil		
RRMDD196	1.6	2.4	0.8	71.9	106.1	14.6	50.0	8.7	1.5	7.2	1.2	7.2	1.4	4.2	0.6	1.2	0.7	40.0	316	Soil		
RRMDD196	2.4	3.2	0.9	72.4	342.0	13.3	44.1	7.5	1.4	5.9	1.0	6.0	1.1	3.5	0.5	1.0	0.5	29.5	530	Hardcap		
RRMDD196	3.2	4.0	0.8	112.0	418.2	22.0	71.6	12.1	2.0	8.9	1.5	8.2	1.5	4.6	0.7	1.4	0.7	36.3	702	Hardcap		
RRMDD196	4.0	4.8	0.8	110.4	685.2	21.7	69.4	11.4	2.0	8.3	1.4	7.9	1.5	4.7	0.7	1.4	0.7	36.8	963	Transition		
RRMDD196	4.8	5.2	0.4	89.7	181.6	16.2	55.9	9.7	1.6	7.8	1.2	6.9	1.4	4.3	0.6	1.2	0.7	39.7	418	Mottled		
RRMDD196	5.2	6.2	1.0	90.9	138.2	20.0	71.9	12.0	2.1	8.6	1.3	7.3	1.5	4.0	0.6	1.3	0.6	44.4	405	Clay		
RRMDD196	6.2	7.2	1.0	119.0	172.2	26.8	98.3	16.5	2.8	11.7	1.6	9.3	1.8	5.0	0.7	1.6	0.7	52.8	521	Upper Saprolite		
RRMDD196	7.2	8.2	1.0	101.4	153.4	24.5	91.7	15.4	2.5	11.1	1.6	8.8	1.7	5.0	0.7	1.5	0.7	51.7	472	Upper Saprolite		
RRMDD196	8.2	9.2	1.0	76.5	124.2	17.4	65.0	11.1	1.8	8.3	1.2	7.1	1.4	4.3	0.6	1.2	0.6	43.8	364	Upper Saprolite		
RRMDD196	9.2	9.5	0.3	105.8	151.1	24.1	88.4	14.1	2.5	10.5	1.4	8.1	1.5	4.5	0.6	1.4	0.6	46.2	461	Upper Saprolite		
RRMDD196	9.5	10.6	1.2	249.8	336.2	67.9	307.9	66.7	12.9	57.6	7.5	37.8	5.6	12.3	1.4	7.4	1.0	122.9	1295	Lower Saprolite		
RRMDD196	10.6	11.7	1.1	56.9	97.8	13.7	53.4	9.3	1.6	7.3	1.1	6.3	1.3	4.0	0.6	1.1	0.6	40.5	295	Saprock		
RRMDD196	11.7	12.8	1.1	64.6	112.3	17.6	74.1	16.1	3.5	19.9	3.2	21.0	4.7	14.1	2.0	3.2	1.8	160.0	518	Saprock		
RRMDD196	12.8	13.9	1.1	66.3	112.7	17.4	76.7	14.9	3.0	16.4	2.5	14.9	3.3	10.0	1.4	2.4	1.4	121.7	465	Saprock		
RRMDD196	13.9	15.0	1.1	56.9	99.2	13.0	50.0	8.0	1.5	6.6	0.8	4.8	1.0	3.1	0.4	0.8	0.4	35.6	282	Saprock		
RRMDD196	15.0	16.1	1.1	58.6	105.3	12.1	42.5	6.2	1.1	5.0	0.6	3.8	0.8	2.5	0.4	0.6	0.4	28.8	269	Saprock		
RRMDD196	16.1	17.2	1.1	63.6	117.0	12.7	44.9	6.8	1.2	4.8	0.7	3.7	0.8	2.4	0.3	0.7	0.3	27.2	287	Saprock		
RRMDD196	17.2	18.3	1.1	67.7	139.4	16.0	63.7	13.2	2.3	10.7	1.5	9.4	1.8	5.0	0.7	1.5	0.6	56.6	390	Saprock		
RRMDD196	18.3	19.4	1.1	59.5	118.3	13.0	48.6	8.3	1.5	6.4	0.9	4.7	0.9	2.5	0.3	0.9	0.3	28.8	295	Saprock		
RRMDD196	19.4	19.8	0.4	54.3	105.7	12.1	46.7	8.1	1.6	6.8	0.9	5.1	0.9	2.6	0.4	0.9	0.3	29.1	275	Saprock		
RRMDD196	19.8	20.9	1.2	51.8	100.7	11.4	44.3	7.9	1.6	7.0	0.9	5.0	0.9	2.5	0.3	0.9	0.3	28.1	264	Saprock		
RRMDD196	20.9	22.0	1.1	50.8	100.4	11.4	44.3	8.4	1.7	7.8	1.0	5.5	1.0	2.6	0.4	1.0	0.3	29.8	266	Saprock		
RRMDD197	0.0	0.9	0.9	117.9	227.8	20.3	63.7	10.0	1.8	8.0	1.2	7.3	1.5	4.4	0.6	1.2	0.7	43.9	510	Soil		
RRMDD197	0.9	1.9	1.0	121.4	220.8	19.8	59.3	8.8	1.5	6.5	1.0	5.9	1.1	3.1	0.5	1.0	0.5	31.7	483	Soil		
RRMDD197	1.9	2.3	0.4	79.0	178.6	13.4	40.5	6.1	1.1	4.7	0.7	4.1	0.8	2.4	0.4	0.7	0.4	22.9	356	Hardcap		
RRMDD197	2.3	3.4	1.0	218.1	447.4	37.3	128.9	20.8	3.5	16.6	2.3	13.0	2.3	6.6	0.9	2.3	0.9	66.7	968	Clay		
RRMDD197	3.4	4.4	1.0	118.5	366.6	23.8	88.2	15.9	2.9	15.8	2.6	15.6	3.2	9.9	1.4	2.5	1.3	109.7	778	Clay		
RRMDD197	4.4	5.0	0.6	119.6	185.7	29.7	113.0	20.1	3.6	17.2	2.5	16.0	3.2	9.4	1.3	2.5	1.2	108.3	633	Clay		
RRMDD197	5.0	5.7	0.6	89.8	167.5	25.3	101.5	19.0	3.4	17.6	2.5	15.9	3.2	9.4	1.3	2.5	1.2	117.3	578	Clay		
RRMDD197	5.7	6.4	0.7	88.3	176.3	23.0	91.9	16.8	3.1	15.6	2.3	14.7	3.0	8.9	1.3	2.3	1.2	103.8	552	Clay		
RRMDD197	6.4	7.2	0.8	105.3	189.8	34.3	144.1	30.0	5.8	29.7	4.7	29.8	6.1	18.1	2.5	4.7	2.3	233.0	840	Upper Saprolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	
																					Length (m)	TREO ppm
RRMDD197	7.2	8.0	0.8	68.3	135.3	17.6	70.9	13.3	2.6	13.8	2.1	13.4	2.7	8.3	1.2	2.1	1.1	88.8	441	Upper Saprolite	8.4	700
RRMDD197	8.0	8.8	0.8	75.8	135.9	20.2	82.2	17.0	3.2	16.7	2.5	16.2	3.2	9.5	1.3	2.5	1.2	102.2	490	Upper Saprolite		
RRMDD197	8.8	9.6	0.8	89.1	136.5	27.9	125.4	30.8	6.5	34.7	5.6	34.1	6.8	19.0	2.5	5.5	2.2	186.0	713	Lower Saprolite		
RRMDD197	9.6	10.7	1.1	81.5	130.6	27.3	128.3	28.6	6.3	38.3	5.8	37.8	8.1	23.3	3.2	5.8	2.9	281.9	810	Lower Saprolite		
RRMDD197	10.7	11.8	1.1	72.7	127.1	15.4	60.7	10.0	1.9	11.1	1.5	8.7	2.0	5.9	0.8	1.5	0.7	108.1	428	Saprock		
RRMDD197	11.8	12.9	1.1	57.5	118.9	14.9	58.7	11.5	2.2	10.4	1.5	8.8	1.7	5.0	0.7	1.5	0.7	51.7	346	Saprock		
RRMDD198	0.0	1.5	1.5	81.0	115.4	16.4	56.7	9.5	1.6	8.3	1.3	7.9	1.6	4.9	0.7	1.3	0.8	51.0	358	Soil	3.5	692
RRMDD198	1.5	1.9	0.4	55.5	291.7	10.8	35.3	6.2	1.1	5.0	0.9	4.9	1.0	3.0	0.4	0.8	0.5	28.2	445	Soil		
RRMDD198	1.9	2.9	1.0	94.6	121.8	19.8	69.3	12.2	2.0	9.6	1.6	9.8	1.9	5.7	0.8	1.6	0.9	60.1	412	Soil		
RRMDD198	2.9	4.0	1.0	97.7	127.1	18.1	58.1	9.5	1.6	7.3	1.2	7.3	1.4	4.6	0.7	1.2	0.8	43.8	380	Soil		
RRMDD198	4.0	4.9	0.9	104.1	323.3	18.0	56.1	8.7	1.4	6.2	1.1	6.4	1.2	4.0	0.6	1.1	0.6	32.8	566	Hardcap		
RRMDD198	4.9	5.8	0.9	109.2	384.2	21.1	65.6	10.9	1.8	8.2	1.4	8.4	1.6	4.9	0.8	1.4	0.8	36.2	656	Hardcap		
RRMDD198	5.8	6.5	0.7	152.5	271.7	52.1	244.9	44.8	7.1	27.5	3.1	16.0	2.5	6.1	0.9	3.1	0.7	58.4	891	Upper Saprolite		
RRMDD198	6.5	7.5	1.0	105.3	186.2	28.7	117.8	22.6	4.1	18.7	2.5	14.3	2.4	6.8	0.9	2.5	0.8	62.2	576	Lower Saprolite		
RRMDD198	7.5	8.5	1.0	88.8	172.8	24.7	107.8	26.8	5.4	30.7	4.7	28.5	5.8	16.8	2.4	4.6	2.2	188.6	710	Lower Saprolite		
RRMDD198	8.5	9.4	0.9	74.6	151.1	19.3	88.6	20.0	4.3	25.5	3.6	22.6	5.2	15.5	2.1	3.6	2.0	203.2	641	Lower Saprolite		
RRMDD198	9.4	10.2	0.9	81.2	163.4	18.4	67.9	13.0	2.2	12.0	1.6	9.5	1.9	5.7	0.8	1.6	0.7	71.4	451	Saprock		
RRMDD198	10.2	11.1	0.9	81.5	164.6	18.1	64.5	11.5	1.9	8.9	1.2	6.7	1.3	3.5	0.5	1.2	0.5	38.6	404	Saprock		
RRMDD198	11.1	11.9	0.9	79.8	159.9	17.8	63.6	11.3	1.8	9.0	1.2	7.0	1.3	3.9	0.5	1.2	0.5	41.7	400	Saprock		
RRMDD198	11.9	12.8	0.9	83.9	168.1	18.5	66.1	12.1	1.8	9.2	1.3	6.8	1.3	3.7	0.5	1.2	0.4	38.4	413	Saprock		
RRMDD199	0.0	0.9	0.9	106.3	238.9	19.2	59.1	9.3	1.7	7.8	1.2	7.2	1.4	4.5	0.7	1.2	0.7	40.4	500	Soil	2.9	503
RRMDD199	0.9	1.8	0.9	133.7	331.5	23.2	70.9	10.7	2.0	8.1	1.3	7.8	1.5	4.6	0.7	1.3	0.7	42.8	641	Soil		
RRMDD199	1.8	2.5	0.7	64.5	407.6	13.0	43.0	7.3	1.3	5.9	1.0	5.9	1.2	3.5	0.5	1.0	0.6	31.5	588	Hardcap		
RRMDD199	2.5	3.4	0.9	63.1	128.8	13.8	48.9	8.8	1.6	7.5	1.1	6.7	1.4	4.1	0.6	1.1	0.6	44.1	332	Clay		
RRMDD199	3.4	4.3	0.9	51.7	48.1	11.3	41.3	7.3	1.4	6.5	1.0	6.1	1.2	3.6	0.5	1.0	0.6	41.1	223	Clay		
RRMDD199	4.3	5.2	0.9	72.7	104.9	15.6	55.5	9.7	1.8	8.5	1.3	7.6	1.6	4.6	0.7	1.3	0.7	52.4	339	Clay		
RRMDD199	5.2	6.1	0.9	65.1	73.4	13.9	50.3	9.1	1.6	7.9	1.2	7.3	1.4	4.5	0.6	1.2	0.6	49.0	287	Clay		
RRMDD199	6.1	7.2	1.1	150.1	146.4	28.8	104.0	18.3	3.7	15.8	2.1	11.6	2.2	5.8	0.8	2.1	0.7	74.9	567	Clay		
RRMDD199	7.2	8.1	0.9	110.1	123.0	23.6	87.7	15.8	3.3	13.5	1.8	10.2	2.0	5.4	0.7	1.8	0.7	64.3	464	Upper Saprolite		
RRMDD199	8.1	9.0	0.9	108.1	121.8	23.9	88.3	15.4	3.0	12.9	1.8	9.9	1.9	5.3	0.7	1.8	0.7	66.8	462	Upper Saprolite		
RRMDD199	9.0	9.9	0.9	84.0	103.2	18.1	65.0	11.0	2.2	9.8	1.3	7.3	1.4	4.0	0.5	1.3	0.5	48.6	358	Upper Saprolite		
RRMDD199	9.9	10.8	0.9	81.7	95.1	17.6	63.0	11.1	2.3	9.9	1.3	7.5	1.4	4.2	0.6	1.3	0.5	49.7	347	Upper Saprolite		
RRMDD199	10.8	11.7	0.9	57.5	55.4	13.5	51.2	10.5	2.1	9.1	1.3	7.7	1.5	4.0	0.5	1.3	0.5	46.6	263	Upper Saprolite		
RRMDD199	11.7	12.8	1.1	36.4	43.0	8.4	32.1	6.5	1.4	5.9	0.8	4.8	1.0	2.7	0.4	0.8	0.4	30.1	175	Upper Saprolite		
RRMDD199	12.8	13.7	0.9	67.1	99.1	16.4	61.9	11.8	2.6	10.4	1.5	8.2	1.5	4.4	0.6	1.4	0.5	52.4	340	Lower Saprolite		
RRMDD199	13.7	14.5	0.9	91.6	148.2	20.4	74.6	12.8	2.6	10.7	1.4	7.9	1.6	4.5	0.6	1.4	0.6	60.2	439	Lower Saprolite		
RRMDD199	14.5	15.4	0.9	51.3	91.2	10.9	39.3	6.7	1.3	4.5	0.6	3.6	0.7	2.0	0.3	0.6	0.3	23.6	237	Lower Saprolite		
RRMDD199	15.4	16.2	0.8	81.2	162.8	19.1	74.2	14.4	3.2	12.4	1.7	9.3	1.7	4.5	0.6	1.7	0.5	57.3	445	Saprock		
RRMDD199	16.2	17.0	0.8	31.2	60.9	6.8	23.2	3.5	0.7	2.4	0.3	2.0	0.4	1.2	0.2	0.3	0.2	13.7	147	Saprock		
RRMDD199	17.0	18.0	1.0	49.4	96.5	11.1	41.1	7.8	1.5	6.1	0.8	4.7	0.8	2.3	0.3	0.8	0.3	26.8	250	Saprock		
RRMDD200	0.0	0.7	0.7	105.3	299.9	19.5	64.5	10.3	1.8	8.8	1.4	8.0	1.6	4.7	0.7	1.4	0.7	50.2	579	Soil	2.1	160
RRMDD200	0.7	1.5	0.8	134.9	773.1	22.6	67.5	9.8	1.9	7.8	1.3	7.2	1.3	4.2	0.6	1.3	0.6	39.7	1074	Hardcap		
RRMDD200	1.5	2.1	0.6	68.0	545.8	13.1	42.8	6.6	1.2	5.4	0.9	5.1	1.0	3.3	0.5	0.9	0.5	31.1	726	Transition		
RRMDD200	2.1	3.1	1.1	33.5	58.7	6.8	24.3	4.0	0.6	3.3	0.5	3.1	0.7	2.0	0.3	0.5	0.3	21.5	160	Sand		
RRMDD200	3.1	4.1	1.0	26.3	43.5	5.1	17.7	3.1	0.6	2.7	0.4	2.3	0.5	1.4	0.2	0.4	0.2	16.6	121	Sand		
RRMDD200	4.1	4.7	0.6	75.8	114.9	15.4	56.0	9.6	1.9	8.9	1.3	7.5	1.5	4.4	0.6	1.3	0.6	52.3	352	Clay		
RRMDD200	4.7	5.2	0.5	51.7	122.4	10.8	39.5	7.4	1.5	6.6	0.9	5.4	1.0	3.1	0.4	0.9	0.4	37.0	289	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	
																					Length (m)	TREO ppm
RRMDD200	5.2	5.5	0.3	75.5	124.7	16.4	61.1	11.7	2.5	10.4	1.4	8.0	1.6	4.4	0.6	1.4	0.5	52.3	373	Upper Saprolite		
RRMDD200	5.5	6.7	1.2	14.8	36.3	3.4	11.7	2.2	0.5	1.8	0.3	1.6	0.3	0.9	0.1	0.3	0.1	10.0	84	Upper Saprolite		
RRMDD200	6.7	7.2	0.5	58.1	129.4	15.6	54.2	11.2	2.4	7.5	1.1	5.9	1.0	2.9	0.4	1.1	0.4	26.0	317	Lower Saprolite		
RRMDD200	7.2	8.3	1.1	8.7	20.4	2.2	7.5	1.6	0.3	1.2	0.1	1.1	0.2	0.8	0.1	0.1	0.2	6.9	51	Lower Saprolite		
RRMDD200	8.3	9.3	1.0	31.0	66.6	7.2	25.0	5.0	1.0	3.7	0.5	2.9	0.6	1.8	0.3	0.5	0.3	16.1	162	Saprock		
RRMDD200	9.3	10.3	1.0	84.2	179.8	19.1	67.2	12.8	2.5	8.2	1.1	6.0	1.1	3.2	0.4	1.1	0.4	29.3	416	Saprock		
RRMDD200	10.3	11.2	0.9	80.1	165.7	19.0	70.6	13.5	2.7	9.8	1.2	6.6	1.2	3.0	0.4	1.2	0.4	29.6	405	Saprock		
RRMDD201	0.0	0.8	0.8	80.6	332.6	17.1	60.0	10.8	2.0	9.6	1.5	9.5	1.8	5.6	0.8	1.5	0.9	55.9	590	Soil		
RRMDD201	0.8	1.6	0.8	86.1	358.4	18.3	62.3	11.4	2.0	10.3	1.7	9.6	1.9	5.9	0.9	1.6	0.9	59.3	631	Soil		
RRMDD201	1.6	2.5	0.9	73.9	598.5	13.9	46.7	8.6	1.4	6.6	1.1	6.8	1.3	4.0	0.6	1.1	0.6	36.7	802	Hardcap		
RRMDD201	2.5	3.5	0.9	117.0	821.1	20.6	69.2	11.2	1.9	8.8	1.5	8.3	1.6	4.9	0.7	1.5	0.7	49.4	1118	Hardcap		
RRMDD201	3.5	4.5	1.1	143.7	734.4	24.1	78.8	12.9	2.2	9.6	1.6	9.3	1.8	5.4	0.8	1.6	0.8	54.2	1081	Hardcap		
RRMDD201	4.5	4.8	0.3	103.4	346.7	20.6	69.9	12.2	2.2	10.2	1.5	9.1	1.8	5.4	0.8	1.5	0.8	57.3	643	Clay		
RRMDD201	4.8	5.3	0.5	83.6	192.7	18.4	63.6	11.8	2.1	9.8	1.5	9.4	1.8	5.5	0.8	1.5	0.8	58.4	462	Clay		
RRMDD201	5.3	6.3	1.0	79.4	60.1	19.0	68.6	12.8	2.3	11.4	1.6	10.2	2.1	5.9	0.9	1.6	0.9	71.7	349	Clay		
RRMDD201	6.3	7.3	1.0	95.0	102.1	21.2	75.1	13.8	2.6	11.6	1.7	10.1	2.0	5.8	0.8	1.7	0.8	68.3	413	Clay		
RRMDD201	7.3	8.3	1.0	117.3	112.4	24.7	89.0	16.1	3.1	14.3	2.0	11.9	2.3	6.6	0.9	2.0	0.9	80.5	484	Clay		
RRMDD201	8.3	9.3	1.0	96.2	90.9	20.5	72.8	13.4	2.7	11.6	1.6	9.8	2.0	5.6	0.8	1.6	0.7	69.2	399	Clay		
RRMDD201	9.3	10.2	0.9	11.0	28.8	3.2	11.9	2.5	0.4	2.1	0.3	1.8	0.4	1.2	0.1	0.3	0.2	12.2	76	Sand		
RRMDD201	10.2	11.2	1.0	9.7	31.3	2.2	8.2	1.7	0.3	1.3	0.2	1.3	0.3	0.7	0.1	0.2	0.1	9.7	67	Sand		
RRMDD201	11.2	12.2	1.0	8.3	21.1	1.7	5.6	1.1	0.2	0.9	0.1	0.8	0.2	0.5	0.1	0.1	0.1	5.6	46	Sand		
RRMDD201	12.2	13.2	1.0	8.2	20.7	1.6	5.5	1.0	0.2	0.7	0.1	0.7	0.1	0.4	0.1	0.1	0.1	4.4	44	Sand		
RRMDD201	13.2	14.0	0.8	5.4	8.2	1.1	3.8	0.6	0.2	0.6	0.1	0.5	0.1	0.3	0.0	0.1	0.1	3.7	25	Sand		
RRMDD201	14.0	15.4	1.4	89.6	130.6	23.4	90.7	19.8	4.6	17.3	2.5	14.3	2.7	7.1	0.9	2.5	0.8	80.9	488	Upper Saprolite		
RRMDD201	15.4	16.1	0.7	9.1	27.1	2.1	7.8	1.5	0.3	1.3	0.2	1.3	0.3	0.8	0.1	0.2	0.1	8.6	61	Sand		
RRMDD201	16.1	17.0	0.9	5.2	17.9	1.1	3.8	0.8	0.1	0.7	0.1	0.6	0.1	0.4	0.1	0.1	0.1	4.2	35	Sand		
RRMDD201	17.0	17.4	0.4	2.2	5.7	0.5	1.9	0.5	0.1	0.4	0.1	0.7	0.2	0.5	0.1	0.1	0.1	5.0	18	Sand		
RRMDD201	17.4	18.0	0.6	51.5	109.3	11.8	40.7	8.2	1.6	5.6	0.8	4.6	0.9	2.7	0.4	0.8	0.4	25.8	265	Lower Saprolite		
RRMDD201	18.0	18.7	0.6	79.3	166.9	17.3	58.1	11.1	2.1	6.8	0.9	5.0	0.9	2.4	0.4	0.9	0.4	21.7	374	Saprock		
RRMDD201	18.7	19.3	0.7	61.3	127.1	13.8	48.5	9.8	2.0	7.1	1.0	6.1	1.2	3.3	0.5	1.0	0.5	35.2	318	Saprock		
RRMDD202	0.0	0.8	0.8	81.5	152.9	14.3	48.3	8.0	1.4	6.6	1.1	6.3	1.3	3.7	0.6	1.1	0.6	39.0	367	Soil		
RRMDD202	0.8	1.6	0.9	99.3	179.2	16.7	54.0	9.0	1.6	6.9	1.1	6.6	1.3	3.9	0.6	1.1	0.6	37.5	419	Hardcap		
RRMDD202	1.6	2.4	0.8	110.9	189.2	18.6	60.2	10.2	1.8	7.9	1.2	7.2	1.4	4.2	0.7	1.2	0.6	40.6	456	Hardcap		
RRMDD202	2.4	3.4	1.0	111.1	168.1	18.1	58.6	9.5	1.7	7.3	1.2	7.0	1.4	4.0	0.6	1.2	0.6	40.1	430	Hardcap		
RRMDD202	3.4	4.2	0.9	139.0	325.6	21.4	65.0	10.2	1.8	7.7	1.1	7.1	1.4	4.1	0.6	1.1	0.6	41.3	628	Transition		
RRMDD202	4.2	5.0	0.8	76.7	152.9	15.0	52.4	9.0	1.5	7.2	1.0	6.6	1.4	4.1	0.6	1.0	0.6	43.6	374	Transition		
RRMDD202	5.0	6.0	1.0	52.0	55.5	10.5	35.9	6.4	1.1	5.3	0.8	4.9	1.0	3.0	0.4	0.8	0.4	33.9	212	Clay		
RRMDD202	6.0	7.0	1.0	50.0	40.3	10.0	34.8	6.2	1.2	5.7	0.8	5.0	1.0	3.0	0.5	0.8	0.5	34.8	195	Clay		
RRMDD202	7.0	8.1	1.1	90.8	54.8	19.1	67.5	12.2	2.4	10.7	1.5	9.3	1.8	4.9	0.7	1.5	0.7	60.2	338	Clay		
RRMDD202	8.1	8.8	0.7	15.4	17.2	3.1	10.8	2.1	0.4	1.8	0.3	1.7	0.3	1.0	0.2	0.3	0.2	11.4	66	Upper Saprolite		
RRMDD202	8.8	9.5	0.7	37.8	86.2	8.2	28.9	5.2	1.1	4.1	0.6	3.5	0.7	2.0	0.3	0.6	0.3	22.1	202	Upper Saprolite		
RRMDD202	9.5	10.5	1.0	66.5	120.1	13.9	49.9	8.5	1.8	6.9	1.0	5.4	1.1	3.0	0.4	1.0	0.4	33.1	313	Lower Saprolite		
RRMDD202	10.5	11.5	1.0	53.2	97.3	11.5	41.8	7.3	1.6	6.1	0.9	4.7	0.9	2.6	0.3	0.9	0.3	28.3	258	Saprock		
RRMDD202	11.5	12.0	0.5	4.2	7.4	0.8	2.8	0.6	0.1	0.5	0.1	0.5	0.1	0.1	0.1	0.1	0.1	4.6	22	Sand		
RRMDD203	0.0	0.9	0.9	63.0	137.6	13.3	47.9	9.2	1.6	7.9	1.3	7.8	1.5	4.6	0.7	1.2	0.7	47.0	345	Soil		
RRMDD203	0.9	1.8	0.9	64.0	138.8	13.8	50.0	9.3	1.6	7.8	1.2	7.2	1.4	4.5	0.7	1.2	0.7	45.8	348	Soil		
RRMDD203	1.8	2.0	0.3	74.8	157.5	16.6	60.9	11.1	1.8	8.9	1.4	8.9	1.7	5.0	0.8	1.4	0.8	53.6	405	Soil		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	Length (m)	TREO ppm
RRMDD203	2.0	2.9	0.9	44.1	105.1	9.3	33.0	6.0	1.0	5.1	0.8	5.1	1.1	3.2	0.5	0.8	0.5	30.7	246	Hardcap	1.0 450	
RRMDD203	2.9	3.9	1.0	44.0	272.9	9.4	34.1	6.1	1.1	4.9	0.9	5.5	1.1	3.4	0.5	0.9	0.5	32.0	417	Transition		
RRMDD203	3.9	4.5	0.6	50.2	60.0	9.8	34.5	5.9	1.1	5.0	0.8	5.1	1.0	3.4	0.5	0.8	0.5	33.8	212	Clay		
RRMDD203	4.5	5.0	0.5	36.2	45.7	7.1	25.1	4.5	0.8	3.7	0.6	3.8	0.8	2.2	0.3	0.6	0.4	23.2	155	Clay		
RRMDD203	5.0	6.1	1.1	38.6	39.1	7.6	27.1	4.9	0.9	4.1	0.6	3.8	0.8	2.4	0.4	0.6	0.4	24.1	155	Clay		
RRMDD203	6.1	7.2	1.1	17.0	18.7	3.3	11.4	2.0	0.4	1.7	0.3	1.7	0.4	1.1	0.2	0.3	0.2	11.0	70	Sand		
RRMDD203	7.2	8.2	1.0	100.2	132.4	22.5	82.9	15.3	3.1	12.2	1.7	9.7	1.8	5.4	0.7	1.7	0.6	60.2	450	Clay		
RRMDD203	8.2	8.7	0.5	10.9	97.3	2.7	10.0	1.9	0.4	1.6	0.3	1.5	0.3	0.9	0.1	0.3	0.1	8.4	137	Clay		
RRMDD203	8.7	9.3	0.6	66.8	100.8	15.3	57.6	11.3	2.4	10.2	1.4	8.7	1.8	4.9	0.6	1.4	0.6	56.6	341	Clay		
RRMDD203	9.3	10.3	1.1	77.2	107.4	16.1	57.9	9.8	2.1	9.2	1.4	8.4	1.7	4.7	0.7	1.4	0.6	56.6	355	Clay		
RRMDD203	10.3	11.4	1.0	75.5	111.9	16.0	58.6	10.3	2.2	9.3	1.3	7.9	1.5	4.4	0.6	1.3	0.6	53.8	355	Clay		
RRMDD203	11.4	11.9	0.5	46.7	98.3	9.5	34.8	6.3	1.4	6.3	1.0	5.8	1.2	3.4	0.5	1.0	0.5	40.8	257	Upper Saprolite		
RRMDD203	11.9	12.2	0.3	6.0	12.8	1.3	4.8	1.1	0.2	1.0	0.2	1.3	0.3	0.9	0.1	0.2	0.2	9.0	39	Upper Saprolite		
RRMDD203	12.2	13.0	0.8	55.8	105.4	12.9	49.2	9.7	2.2	9.4	1.4	8.7	1.8	5.0	0.7	1.4	0.7	62.7	327	Upper Saprolite		
RRMDD203	13.0	13.8	0.8	50.1	86.0	12.8	50.0	10.1	2.1	7.8	1.1	6.2	1.1	3.2	0.4	1.1	0.4	34.5	267	Upper Saprolite		
RRMDD203	13.8	14.8	1.0	61.9	113.1	14.8	55.3	11.3	2.4	9.0	1.3	6.7	1.2	3.4	0.4	1.2	0.4	38.6	321	Upper Saprolite		
RRMDD203	14.8	15.6	0.8	55.2	106.0	12.0	43.2	7.9	1.7	7.0	1.0	5.9	1.1	3.2	0.4	1.0	0.4	35.6	282	Upper Saprolite		
RRMDD203	15.6	16.3	0.8	41.5	74.3	9.5	34.6	6.7	1.4	5.8	0.8	4.9	0.9	2.6	0.4	0.8	0.4	30.4	215	Upper Saprolite		
RRMDD203	16.3	17.0	0.7	10.7	27.5	2.4	8.5	1.6	0.3	1.5	0.2	1.4	0.3	0.9	0.1	0.2	0.2	8.8	65	Sand		
RRMDD203	17.0	17.8	0.8	45.3	74.3	10.1	35.6	6.5	1.3	5.0	0.7	4.1	0.8	2.3	0.3	0.7	0.3	23.7	211	Upper Saprolite		
RRMDD203	17.8	18.7	0.8	34.9	58.8	7.9	28.2	5.1	1.1	4.1	0.6	3.2	0.7	1.9	0.3	0.6	0.3	20.2	168	Upper Saprolite		
RRMDD203	18.7	19.7	1.1	8.0	23.5	1.9	6.5	1.4	0.3	1.0	0.2	1.0	0.2	0.7	0.1	0.2	0.1	6.2	51	Sand		
RRMDD203	19.7	20.8	1.1	6.0	11.4	1.2	4.7	0.8	0.2	0.7	0.1	0.6	0.1	0.5	0.1	0.1	0.1	4.4	31	Sand		
RRMDD203	20.8	21.5	0.7	48.3	99.9	10.9	38.7	7.0	1.4	5.2	0.7	4.2	0.8	2.3	0.4	0.7	0.4	25.0	246	Lower Saprolite		
RRMDD203	21.5	22.3	0.7	53.5	98.2	12.1	43.3	8.1	1.7	6.3	0.9	4.9	1.0	2.7	0.4	0.8	0.4	27.8	262	Lower Saprolite		
RRMDD203	22.3	23.1	0.9	8.8	24.5	2.0	7.2	1.3	0.2	1.0	0.2	1.0	0.2	0.7	0.1	0.2	0.1	6.7	54	Sand		
RRMDD203	23.1	23.8	0.7	37.8	76.1	8.0	27.5	4.5	0.9	3.3	0.4	2.5	0.5	1.5	0.2	0.4	0.3	15.1	179	Saprock		
RRMDD204	0.0	0.9	0.9	89.3	181.0	20.1	72.2	13.2	2.3	11.3	1.8	10.2	2.1	6.1	0.9	1.8	0.9	65.5	479	Soil	3.1 753	
RRMDD204	0.9	1.8	0.9	89.7	184.5	20.0	72.9	13.3	2.2	10.9	1.8	10.0	2.1	6.1	0.9	1.7	0.9	64.8	482	Soil		
RRMDD204	1.8	2.7	0.9	79.8	173.4	18.3	67.4	12.2	2.1	10.0	1.6	9.5	1.9	5.8	0.8	1.6	0.8	59.9	445	Soil		
RRMDD204	2.7	3.6	0.9	79.2	175.7	18.3	66.1	12.2	2.1	10.2	1.6	9.7	2.0	5.8	0.9	1.6	0.9	59.7	446	Soil		
RRMDD204	3.6	4.6	1.0	43.5	131.2	9.2	32.3	6.2	1.0	4.9	0.8	5.2	1.1	3.2	0.5	0.8	0.6	31.7	272	Hardcap		
RRMDD204	4.6	5.6	1.0	39.4	177.5	8.8	31.3	6.0	1.0	4.7	0.8	5.2	1.1	3.2	0.5	0.8	0.5	28.8	310	Hardcap		
RRMDD204	5.6	6.6	1.0	62.4	325.6	13.5	49.7	8.6	1.5	6.8	1.1	6.9	1.4	4.3	0.6	1.1	0.7	41.1	525	Transition		
RRMDD204	6.6	7.4	0.8	73.4	455.6	14.2	48.9	8.2	1.5	6.7	1.1	6.7	1.5	4.2	0.7	1.1	0.7	44.3	669	Transition		
RRMDD204	7.4	8.1	0.8	74.5	320.9	14.6	51.7	8.5	1.5	7.5	1.2	7.5	1.6	4.6	0.7	1.2	0.7	49.9	547	Transition		
RRMDD204	8.1	9.1	1.0	83.5	137.6	17.0	60.1	9.6	1.7	8.2	1.3	7.8	1.7	4.9	0.8	1.2	0.7	53.5	390	Clay		
RRMDD204	9.1	10.1	1.0	98.7	220.8	16.0	55.5	9.1	1.6	7.4	1.2	7.3	1.5	4.2	0.7	1.1	0.7	47.0	473	Clay		
RRMDD204	10.1	11.1	1.0	88.9	99.0	16.7	57.4	9.4	1.7	7.5	1.2	7.0	1.4	4.0	0.6	1.2	0.6	46.5	343	Clay		
RRMDD204	11.1	12.1	1.0	106.7	105.7	17.8	60.3	9.3	1.8	7.8	1.1	7.1	1.4	4.1	0.6	1.1	0.6	46.1	372	Clay		
RRMDD204	12.1	13.1	1.0	112.5	248.3	22.1	77.1	12.7	2.3	9.9	1.5	9.1	1.9	5.2	0.8	1.5	0.8	58.9	564	Clay		
RRMDD204	13.1	14.1	1.0	275.6	246.0	39.9	128.9	19.6	3.5	14.9	2.1	12.3	2.4	6.7	0.9	2.1	0.9	77.8	834	Clay		
RRMDD204	14.1	15.2	1.1	235.7	288.1	37.4	127.1	20.3	3.8	16.3	2.4	13.5	2.6	7.3	1.0	2.4	1.0	90.7	850	Upper Saprolite		
RRMDD204	15.2	15.9	0.7	32.8	36.7	7.4	27.3	4.8	0.9	4.1	0.6	3.9	0.8	2.3	0.3	0.6	0.3	26.4	149	Upper Saprolite		
RRMDD204	15.9	16.8	0.9	57.6	51.0	12.5	46.8	8.1	1.5	7.1	1.1	6.2	1.3	3.6	0.5	1.1	0.5	43.6	242	Lower Saprolite		
RRMDD204	16.8	17.6	0.9	74.9	60.6	18.1	66.5	10.9	2.2	9.0	1.3	7.5	1.5	3.8	0.6	1.3	0.5	49.7	308	Saprock		
RRMDD204	17.6	18.5	0.9	120.8	125.3	28.8	107.0	17.6	3.4	13.5	1.9	10.9	1.9	5.3	0.7	1.9	0.6	64.6	504	Saprock		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	
																				Length (m)	TREO ppm	
RRMDD204	18.5	19.6	1.1	176.5	162.2	40.8	162.1	29.0	6.1	26.9	3.8	21.7	4.3	11.3	1.5	3.7	1.3	149.2	801	Saprock		
RRMDD204	19.6	20.7	1.1	83.7	73.8	18.0	69.1	11.1	2.3	10.8	1.5	8.8	1.8	4.9	0.6	1.5	0.6	68.6	357	Saprock		
RRMDD204	20.7	21.8	1.1	82.4	103.2	17.6	65.0	9.5	1.9	8.1	1.0	6.1	1.2	3.3	0.5	1.0	0.4	50.4	352	Saprock		
RRMDD205	0.0	1.0	1.0	107.2	226.6	23.8	88.2	15.9	2.7	13.2	2.0	12.4	2.4	7.1	1.0	2.0	1.0	77.5	583	Soil		
RRMDD205	1.0	1.9	1.0	103.0	219.6	22.9	82.5	15.3	2.5	12.6	2.0	11.9	2.3	7.0	1.0	2.0	1.0	72.4	558	Soil		
RRMDD205	1.9	2.7	0.8	65.7	209.1	13.6	48.8	9.0	1.6	7.3	1.2	7.0	1.5	4.2	0.6	1.2	0.6	42.0	413	Hardcap		
RRMDD205	2.7	3.5	0.8	74.1	418.2	13.8	48.6	9.0	1.4	6.9	1.1	6.7	1.4	4.1	0.6	1.1	0.6	37.2	625	Hardcap		
RRMDD205	3.5	4.0	0.5	114.0	332.6	23.4	82.7	14.4	2.5	11.9	1.9	11.8	2.4	6.9	1.0	1.9	1.0	75.2	684	Transition		
RRMDD205	4.0	4.9	1.0	87.0	159.9	20.8	75.9	13.6	2.4	11.8	1.8	11.7	2.4	6.8	1.0	1.8	0.9	78.0	476	Clay		
RRMDD205	4.9	5.9	0.9	91.4	176.3	19.9	74.1	12.5	2.3	10.8	1.7	10.2	2.1	6.0	0.9	1.7	0.8	69.5	480	Clay		
RRMDD205	5.9	6.9	1.0	178.3	248.3	31.7	110.5	17.9	3.3	15.7	2.3	14.4	2.9	8.3	1.2	2.3	1.0	99.6	738	Clay		
RRMDD205	6.9	7.9	1.0	101.9	150.5	22.6	83.7	13.8	2.7	12.6	1.9	11.5	2.3	6.5	1.0	1.9	0.9	79.9	494	Clay		
RRMDD205	7.9	8.9	1.0	127.2	165.2	29.7	117.8	20.1	4.2	20.6	3.0	18.7	3.9	10.5	1.4	3.0	1.3	139.7	666	Clay		
RRMDD205	8.9	9.7	0.9	127.2	142.9	29.3	115.0	19.5	4.1	20.3	3.0	18.1	3.7	10.1	1.3	2.9	1.2	140.3	639	Clay		
RRMDD205	9.7	10.6	0.9	139.6	172.2	32.7	130.6	23.3	4.8	24.2	3.5	21.3	4.3	11.8	1.6	3.5	1.3	154.9	730	Clay		
RRMDD205	10.6	11.4	0.9	141.3	203.8	33.4	132.4	24.1	5.0	24.7	3.6	21.8	4.4	11.9	1.6	3.6	1.4	160.0	773	Clay		
RRMDD205	11.4	12.1	0.7	173.6	452.1	40.7	161.5	29.1	5.9	28.6	4.2	25.5	5.2	13.6	1.9	4.2	1.6	186.0	1134	Clay		
RRMDD205	12.1	12.9	0.8	132.5	425.2	31.5	126.0	23.2	4.8	22.8	3.4	20.3	4.1	10.8	1.4	3.4	1.3	144.8	955	Upper Saprolite		
RRMDD205	12.9	13.7	0.8	90.4	162.8	19.1	74.2	13.2	2.9	12.8	1.9	11.1	2.2	5.9	0.8	1.9	0.8	73.1	473	Upper Saprolite		
RRMDD205	13.7	14.4	0.7	63.9	107.8	15.4	58.8	10.8	2.3	8.8	1.3	7.7	1.4	3.9	0.6	1.3	0.5	46.9	331	Upper Saprolite		
RRMDD205	14.4	15.4	0.9	273.3	461.5	55.5	206.5	35.7	7.5	29.5	4.2	23.2	4.2	10.3	1.3	4.1	1.1	133.3	1251	Lower Saprolite		
RRMDD205	15.4	16.4	1.1	232.2	405.3	42.7	158.0	26.9	5.5	22.9	2.9	15.3	2.9	8.0	1.0	2.9	0.8	102.5	1030	Lower Saprolite		
RRMDD205	16.4	17.2	0.8	91.0	158.1	17.6	66.0	11.8	2.4	10.6	1.4	8.0	1.6	4.7	0.6	1.4	0.6	58.0	434	Saprock		
RRMDD206	0.0	1.0	1.0	44.7	96.3	8.4	29.0	5.1	0.9	4.4	0.8	4.9	1.0	3.3	0.5	0.8	0.6	32.6	233	Soil		
RRMDD206	1.0	2.0	1.0	46.8	87.4	8.8	30.8	5.4	1.0	4.9	0.8	5.0	1.1	3.6	0.6	0.8	0.7	34.4	232	Soil		
RRMDD206	2.0	3.0	1.0	56.2	100.5	10.9	37.6	6.6	1.2	5.7	1.0	6.0	1.3	4.0	0.6	0.9	0.7	40.1	273	Gravels		
RRMDD206	3.0	3.5	0.5	54.1	130.6	9.5	32.3	5.9	1.0	4.5	0.8	5.1	1.0	3.2	0.5	0.8	0.5	29.1	279	Gravels		
RRMDD206	3.5	4.1	0.6	53.5	93.0	10.4	37.7	7.2	1.3	6.2	1.0	6.0	1.2	3.9	0.6	1.0	0.6	35.0	259	Gravels		
RRMDD206	4.1	5.2	1.1	225.2	180.4	33.2	109.6	18.1	3.3	14.8	2.2	12.0	2.5	7.4	1.1	2.1	1.0	83.8	697	Mottled		
RRMDD206	5.2	6.2	1.0	133.1	195.0	33.0	124.2	21.4	4.1	19.1	2.8	15.7	3.2	9.8	1.3	2.7	1.1	111.8	678	Clay		
RRMDD206	6.2	7.2	1.0	139.0	216.1	34.2	128.3	22.1	4.1	19.1	2.8	16.0	3.2	9.6	1.3	2.7	1.2	110.9	710	Clay		
RRMDD206	7.2	8.1	0.9	110.0	130.6	27.9	106.3	18.9	3.6	17.1	2.4	14.1	2.9	8.5	1.1	2.4	1.0	100.3	547	Clay		
RRMDD206	8.1	9.0	0.9	102.3	127.1	28.6	110.8	20.5	4.0	18.3	2.6	15.1	3.0	9.0	1.2	2.6	1.1	101.8	548	Clay		
RRMDD206	9.0	9.8	0.9	124.9	168.7	32.5	126.6	23.8	4.6	20.9	3.0	16.8	3.4	10.3	1.3	3.0	1.2	113.1	654	Clay		
RRMDD206	9.8	10.7	0.9	141.9	178.6	32.1	121.3	22.7	4.6	20.1	2.8	16.0	3.2	9.5	1.3	2.8	1.1	102.9	661	Clay		
RRMDD206	10.7	11.7	1.0	117.2	185.7	41.9	169.7	35.0	7.1	31.2	4.5	24.8	4.8	13.7	1.8	4.5	1.5	150.5	794	Clay		
RRMDD206	11.7	12.5	0.9	90.5	147.0	30.2	122.5	24.8	5.1	22.7	3.2	17.8	3.5	10.3	1.3	3.2	1.1	116.8	600	Upper Saprolite		
RRMDD206	12.5	13.4	0.9	118.5	197.9	33.7	135.9	25.3	5.2	23.2	3.2	18.0	3.6	10.8	1.4	3.2	1.2	127.6	709	Upper Saprolite		
RRMDD206	13.4	14.3	0.9	80.1	136.5	20.5	79.7	14.0	2.9	13.6	1.8	10.1	2.2	6.5	0.8	1.8	0.8	83.1	454	Upper Saprolite		
RRMDD206	14.3	15.1	0.8	72.0	142.9	17.5	66.0	11.5	2.5	10.6	1.4	8.3	1.8	5.5	0.7	1.4	0.7	69.0	412	Lower Saprolite		
RRMDD206	15.1	15.8	0.8	106.0	207.9	21.7	79.8	14.1	2.9	11.5	1.6	8.8	1.7	5.5	0.7	1.6	0.6	64.1	529	Lower Saprolite		
RRMDD206	15.8	17.0	1.2	119.6	241.3	25.9	103.5	19.7	4.3	18.0	2.3	13.0	2.6	7.8	1.0	2.3	0.9	92.3	654	Saprock		
RRMDD207	0.0	1.1	1.1	88.7	144.1	19.1	71.4	13.0	2.3	11.1	1.7	10.6	2.1	6.2	0.9	1.7	0.9	68.8	443	Soil		
RRMDD207	1.1	2.3	1.1	92.1	137.6	19.7	67.4	13.0	2.3	12.0	1.8	10.8	2.3	6.1	0.9	1.8	0.9	65.8	435	Soil		
RRMDD207	2.3	3.2	1.0	111.9	312.7	17.4	48.8	8.4	1.5	6.4	1.1	6.3	1.3	3.6	0.6	1.1	0.6	31.7	553	Hardcap		
RRMDD207	3.2	4.2	1.0	125.5	614.9	21.8	61.2	10.2	1.7	7.1	1.2	6.8	1.4	3.6	0.6	1.2	0.6	32.0	890	Hardcap		
RRMDD207	4.2	5.2	1.0	69.9	127.1	15.6	59.0	10.6	2.0	9.8	1.4	8.3	1.8	5.8	0.8	1.4	0.8	62.7	377	Mottled		

Hole ID	From m	To m	Int. m	>300ppm TREO-Ce ₂ O ₃ Interval																Length (m)	TREO ppm	
				La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone		
RRMDD207	5.2	6.1	0.9	46.2	67.1	11.3	43.9	8.1	1.5	7.5	1.2	6.6	1.4	4.6	0.7	1.2	0.6	47.9	250	Mottled	4.7	604
RRMDD207	6.1	7.1	1.0	47.6	110.7	12.0	46.2	8.6	1.7	8.0	1.2	7.1	1.5	4.8	0.7	1.2	0.7	48.0	300	Mottled		
RRMDD207	7.1	8.0	1.0	21.6	34.8	5.6	21.9	4.4	0.8	3.9	0.6	3.8	0.8	2.6	0.4	0.6	0.4	24.6	127	Clay		
RRMDD207	8.0	9.0	1.0	23.9	64.0	6.3	25.2	5.0	1.0	4.6	0.7	4.2	0.9	2.9	0.4	0.7	0.5	29.3	169	Clay		
RRMDD207	9.0	10.0	1.0	62.4	147.6	16.2	61.0	11.7	2.4	8.9	1.2	6.9	1.3	4.1	0.6	1.2	0.6	42.0	368	Clay		
RRMDD207	10.0	11.0	1.0	91.4	155.2	18.7	69.2	13.4	2.8	10.9	1.5	8.0	1.6	4.7	0.7	1.5	0.6	50.5	431	Clay		
RRMDD207	11.0	12.0	1.0	164.2	299.9	39.3	145.8	27.1	5.6	22.9	3.2	17.7	3.8	11.2	1.4	3.2	1.2	148.6	895	Upper Saprolite		
RRMDD207	12.0	13.0	1.0	115.9	237.8	26.6	99.7	17.7	3.7	14.0	2.0	10.7	2.2	6.3	0.8	2.0	0.7	71.1	611	Upper Saprolite		
RRMDD207	13.0	14.0	1.0	88.4	248.3	25.4	95.3	15.8	3.1	11.4	1.6	8.4	1.6	4.9	0.7	1.6	0.6	48.8	556	Upper Saprolite		
RRMDD207	14.0	15.0	1.0	73.7	155.2	20.4	78.0	13.0	2.6	9.7	1.3	7.5	1.5	4.3	0.5	1.3	0.5	44.4	414	Upper Saprolite		
RRMDD207	15.0	15.7	0.7	99.6	183.3	22.6	87.6	17.4	3.5	14.4	1.9	10.1	1.9	5.5	0.7	1.9	0.6	61.0	512	Lower Saprolite		
RRMDD207	15.7	16.4	0.7	73.1	142.3	16.9	64.4	11.7	2.3	10.1	1.3	8.0	1.7	5.1	0.7	1.3	0.6	64.0	403	Saprock		
RRMDD207	16.4	17.2	0.8	68.3	140.6	16.9	64.7	11.6	2.2	10.0	1.3	7.6	1.5	4.3	0.6	1.2	0.6	61.1	392	Saprock		
RRMDD207	17.2	18.1	0.8	68.5	131.8	13.8	51.0	9.2	1.8	7.3	1.0	6.0	1.2	3.5	0.5	1.0	0.5	43.3	340	Saprock		
RRMDD207	18.1	18.9	0.8	45.6	93.2	9.8	36.2	7.0	1.5	6.0	0.9	5.0	1.0	3.1	0.5	0.8	0.4	33.8	245	Saprock		
RRMDD208	0.0	0.8	0.8	79.0	138.8	15.0	48.6	8.9	1.6	7.4	1.2	7.3	1.5	4.0	0.7	1.2	0.7	41.4	357	Soil	11.6	547
RRMDD208	0.8	1.8	1.0	77.8	168.7	14.2	44.2	7.9	1.4	6.6	1.1	6.5	1.4	3.7	0.6	1.1	0.6	35.3	371	Soil		
RRMDD208	1.8	2.5	0.7	71.7	157.5	13.3	41.2	7.5	1.4	6.2	1.0	6.1	1.3	3.5	0.6	1.0	0.6	31.1	344	Gravels		
RRMDD208	2.5	3.2	0.7	79.5	147.0	14.8	45.4	8.1	1.5	6.8	1.1	6.7	1.4	3.7	0.6	1.1	0.6	34.2	353	Gravels		
RRMDD208	3.2	3.8	0.6	85.7	253.0	15.3	46.2	8.1	1.4	6.1	1.0	6.0	1.3	3.5	0.6	1.0	0.6	31.9	462	Hardcap		
RRMDD208	3.8	4.7	1.0	97.9	121.8	20.5	71.5	12.8	2.3	10.6	1.6	9.4	2.0	6.3	1.0	1.6	0.9	63.0	423	Mottled		
RRMDD208	4.7	5.6	0.9	85.8	130.6	20.4	75.6	14.4	2.7	12.9	1.9	11.5	2.4	7.3	1.0	1.9	1.0	74.4	444	Mottled		
RRMDD208	5.6	6.5	0.9	107.8	255.3	24.6	91.9	17.2	3.3	14.8	2.1	12.8	2.6	7.9	1.2	2.1	1.1	83.9	629	Clay		
RRMDD208	6.5	7.3	0.8	70.7	191.5	19.0	75.3	15.9	3.0	14.2	2.1	12.5	2.6	8.0	1.2	2.0	1.1	84.6	504	Clay		
RRMDD208	7.3	8.2	0.9	60.4	205.6	21.4	97.9	21.3	4.4	20.5	3.0	18.4	3.8	11.4	1.6	2.9	1.5	129.5	604	Upper Saprolite		
RRMDD208	8.2	9.2	0.9	59.1	87.6	21.9	101.0	22.2	4.5	21.3	3.1	18.5	3.8	11.2	1.5	3.0	1.4	131.4	492	Upper Saprolite		
RRMDD208	9.2	10.1	0.9	57.2	100.5	19.1	83.9	18.7	3.7	18.0	2.6	15.5	3.2	9.5	1.3	2.5	1.2	105.7	442	Upper Saprolite		
RRMDD208	10.1	11.0	0.9	61.5	140.0	22.4	100.4	23.1	4.6	21.2	3.1	18.5	3.8	11.2	1.5	3.1	1.3	128.3	544	Upper Saprolite		
RRMDD208	11.0	12.0	0.9	70.8	154.6	24.0	104.2	22.6	4.4	20.4	2.9	17.0	3.4	10.3	1.4	2.8	1.3	115.7	556	Upper Saprolite		
RRMDD208	12.0	12.9	0.9	68.4	144.7	19.5	82.0	17.7	3.5	15.1	2.1	12.4	2.5	7.4	1.0	2.1	0.9	80.6	460	Upper Saprolite		
RRMDD208	12.9	13.8	0.9	69.4	124.7	17.7	74.1	16.8	3.4	15.6	2.2	13.3	2.7	7.8	1.1	2.2	1.0	88.3	440	Upper Saprolite		
RRMDD208	13.8	14.4	0.6	90.1	192.1	29.7	128.3	26.9	5.7	26.3	3.6	20.8	4.4	12.2	1.6	3.5	1.4	153.0	700	Lower Saprolite		
RRMDD208	14.4	15.4	1.0	141.3	294.0	37.2	154.0	26.9	5.5	27.9	3.4	18.9	4.0	11.5	1.5	3.4	1.3	186.0	917	Lower Saprolite		
RRMDD208	15.4	16.7	1.3	65.2	132.9	14.2	51.7	9.9	1.9	7.8	1.1	6.7	1.3	4.1	0.6	1.1	0.6	45.7	345	Saprock		
RRMDD209	0.0	1.1	1.1	97.5	135.9	21.7	73.7	14.5	2.5	12.0	1.9	11.3	2.3	6.2	0.9	1.9	0.9	66.7	450	Soil	11.6	547
RRMDD209	1.1	2.0	0.9	78.0	114.9	17.4	58.0	11.4	2.0	9.9	1.6	9.5	2.0	5.3	0.8	1.6	0.8	54.0	367	Gravels		
RRMDD209	2.0	2.8	0.8	83.0	119.5	18.4	61.0	12.1	2.1	10.1	1.6	9.9	2.1	5.4	0.9	1.6	0.8	55.5	384	Gravels		
RRMDD209	2.8	3.6	0.8	82.3	125.3	18.5	61.7	12.2	2.2	10.7	1.7	10.2	2.1	5.7	0.9	1.7	0.8	57.8	394	Gravels		
RRMDD209	3.6	4.4	0.8	69.9	434.6	13.9	45.0	8.7	1.6	7.2	1.2	7.2	1.5	3.9	0.7	1.2	0.6	36.7	634	Hardcap		
RRMDD209	4.4	5.2	0.8	88.8	627.8	18.1	58.8	11.5	2.0	9.4	1.6	9.1	1.8	5.0	0.9	1.6	0.8	45.5	883	Hardcap		
RRMDD209	5.2	5.9	0.7	94.6	373.6	20.2	68.4	13.5	2.4	10.7	1.7	10.2	2.0	5.4	0.9	1.7	0.9	49.7	656	Hardcap		
RRMDD209	5.9	6.9	0.9	129.6	175.1	31.2	114.3	21.1	3.9	17.2	2.4	14.3	2.9	8.4	1.1	2.4	1.1	93.2	618	Mottled		
RRMDD209	6.9	7.7	0.9	111.9	167.5	29.7	115.0	22.0	4.1	17.8	2.5	14.5	3.0	8.7	1.2	2.5	1.1	99.7	601	Clay		
RRMDD209	7.7	8.6	0.9	183.0	380.7	48.3	187.2	34.2	6.7	28.9	4.0	23.0	4.5	13.0	1.7	4.0	1.5	158.7	1079	Clay		
RRMDD209	8.6	9.4	0.9	182.4	257.7	49.4	191.3	35.8	6.8	30.4	4.2	23.8	4.7	13.8	1.8	4.2	1.6	169.5	977	Clay		
RRMDD209	9.4	10.2	0.8	140.1	169.3	39.1	151.0	27.8	5.3	23.2	3.1	18.4	3.8	11.0	1.5	3.1	1.3	131.4	729	Clay		
RRMDD209	10.2	10.7	0.5	31.2	44.0	8.3	32.8	6.3	1.3	5.6	0.8	5.0	1.1	3.3	0.5	0.8	0.5	34.2	176	Sand		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	Ce ₂ O ₃ ppm	Pr ₂ O ₃ ppm	Nd ₂ O ₃ ppm	Sm ₂ O ₃ ppm	Eu ₂ O ₃ ppm	Gd ₂ O ₃ ppm	Tb ₂ O ₃ ppm	Dy ₂ O ₃ ppm	Ho ₂ O ₃ ppm	Er ₂ O ₃ ppm	Tm ₂ O ₃ ppm	Yb ₂ O ₃ ppm	Lu ₂ O ₃ ppm	Y ₂ O ₃ ppm	TREO ppm	Regolith Zone	>300ppm TREO-Ce ₂ O ₃ Interval	
																					Length (m)	TREO ppm
RRMDD209	10.7	11.6	0.9	94.2	171.0	27.7	107.2	22.8	4.4	16.9	2.4	13.9	2.6	7.2	1.0	2.4	0.9	73.1	548	Upper Saprolite	6.6	677
RRMDD209	11.6	12.5	0.9	88.9	164.0	24.6	92.8	19.0	3.8	14.9	2.1	12.3	2.4	6.9	0.9	2.1	0.8	71.2	507	Upper Saprolite		
RRMDD210	0.0	1.1	1.1	88.7	238.9	17.0	55.9	10.4	1.8	8.6	1.4	8.4	1.6	4.5	0.7	1.4	0.7	48.0	488	Soil		
RRMDD210	1.1	2.0	0.9	86.1	241.3	15.3	47.8	8.3	1.5	6.8	1.1	7.0	1.4	3.8	0.6	1.1	0.6	37.3	460	Soil		
RRMDD210	2.0	2.8	0.9	89.7	242.5	15.6	47.7	8.4	1.5	7.2	1.2	7.0	1.5	4.0	0.6	1.2	0.7	38.9	468	Hardcap		
RRMDD210	2.8	3.7	0.9	86.4	246.0	14.9	45.6	8.4	1.4	7.0	1.2	6.8	1.4	3.8	0.6	1.2	0.6	37.0	462	Hardcap		
RRMDD210	3.7	4.5	0.9	85.1	276.4	15.2	47.2	8.4	1.5	7.1	1.2	6.8	1.4	3.9	0.6	1.2	0.6	38.2	495	Hardcap		
RRMDD210	4.5	5.2	0.7	121.4	815.2	22.0	72.8	11.5	1.9	7.9	1.2	7.0	1.4	4.2	0.7	1.2	0.6	40.0	1109	Transition		
RRMDD210	5.2	5.9	0.6	171.2	151.1	30.2	96.2	14.2	2.2	9.4	1.3	7.9	1.5	4.9	0.7	1.3	0.7	48.4	541	Clay		
RRMDD210	5.9	6.5	0.6	205.2	292.8	55.4	221.6	40.2	6.4	25.0	3.1	15.1	2.6	6.7	0.9	3.0	0.7	68.7	947	Clay		
RRMDD210	6.5	7.4	0.9	86.8	186.8	24.7	124.8	42.6	10.4	69.2	11.9	76.4	17.0	51.5	7.2	11.8	6.6	679.4	1407	Upper Saprolite	3.0	899
RRMDD210	7.4	8.2	0.8	90.4	179.2	20.9	82.2	17.2	3.4	17.5	2.6	15.7	3.4	10.0	1.4	2.6	1.4	132.1	580	Upper Saprolite		
RRMDD210	8.2	9.2	1.0	76.3	148.2	16.8	65.4	12.2	2.3	10.2	1.4	8.3	1.6	5.0	0.7	1.4	0.7	55.2	406	Lower Saprolite		
RRMDD210	9.2	10.2	1.0	78.5	162.2	17.8	67.7	12.9	2.4	10.9	1.6	9.5	1.8	5.3	0.8	1.6	0.8	59.6	433	Saprock		
RRMDD211	0.0	0.8	0.8	95.7	209.7	19.2	64.7	12.3	2.2	10.6	1.7	10.2	2.1	5.7	0.9	1.7	0.9	60.6	498	Soil	8.7	609
RRMDD211	0.8	1.6	0.8	85.7	209.7	17.4	57.7	10.9	1.9	9.6	1.5	8.8	1.8	5.0	0.8	1.5	0.8	52.3	466	Soil		
RRMDD211	1.6	2.4	0.8	89.8	223.7	18.4	60.3	11.4	2.0	10.2	1.6	9.3	1.9	5.2	0.8	1.6	0.8	55.1	492	Soil		
RRMDD211	2.4	3.4	1.0	71.7	973.4	13.5	41.1	7.5	1.4	6.2	1.1	6.0	1.2	3.5	0.6	1.1	0.6	28.3	1157	Hardcap		
RRMDD211	3.4	4.5	1.0	71.3	658.3	15.8	52.1	10.0	1.7	7.6	1.3	7.8	1.6	4.2	0.7	1.3	0.7	40.0	874	Hardcap		
RRMDD211	4.5	5.3	0.9	98.9	295.2	21.5	79.4	13.8	2.4	11.1	1.7	10.5	2.1	6.3	1.0	1.7	1.0	66.2	613	Transition		
RRMDD211	5.3	6.2	0.9	109.0	126.5	21.4	78.1	13.2	2.3	10.5	1.5	9.6	1.9	5.7	0.9	1.5	0.9	62.2	445	Clay		
RRMDD211	6.2	7.1	0.9	170.6	158.1	27.3	95.1	14.6	2.6	11.8	1.7	9.5	1.9	5.5	0.8	1.6	0.8	63.9	566	Clay		
RRMDD211	7.1	8.1	0.9	130.2	120.6	22.8	79.5	12.7	2.2	10.4	1.5	8.9	1.8	5.2	0.8	1.5	0.8	59.9	459	Clay		
RRMDD211	8.1	8.7	0.6	216.4	143.5	36.0	124.8	19.4	3.4	14.5	2.1	11.8	2.2	6.4	0.9	2.1	0.9	76.2	661	Clay		
RRMDD211	8.7	9.3	0.6	296.7	200.3	54.4	195.4	29.8	5.2	23.2	3.3	18.5	3.6	10.1	1.4	3.3	1.3	125.6	972	Clay		
RRMDD211	9.3	10.0	0.7	153.1	103.0	26.3	95.1	16.3	3.0	13.4	1.9	11.3	2.3	6.3	0.9	1.9	0.8	76.4	512	Clay		
RRMDD211	10.0	10.6	0.7	88.7	91.5	17.6	66.3	11.2	2.2	9.9	1.5	9.1	1.8	5.2	0.7	1.5	0.7	59.4	367	Sand		
RRMDD211	10.6	11.4	0.8	108.2	87.4	24.6	91.8	16.2	3.2	13.4	1.9	11.2	2.3	6.3	0.8	1.9	0.8	72.6	443	Upper Saprolite		
RRMDD211	11.4	12.1	0.8	361.2	432.2	83.9	307.9	51.5	9.7	37.5	5.1	27.4	5.3	13.2	1.6	5.0	1.4	187.9	1531	Upper Saprolite	8.7	609
RRMDD211	12.1	13.1	0.9	113.3	79.9	26.1	100.4	18.3	3.5	14.2	2.0	11.9	2.4	6.2	0.8	2.0	0.8	72.3	454	Lower Saprolite		
RRMDD211	13.1	14.0	0.9	119.0	89.6	29.3	112.1	21.2	4.2	17.1	2.5	13.5	2.7	6.9	1.0	2.4	0.8	83.6	506	Lower Saprolite		
RRMDD211	14.0	15.0	1.0	81.6	75.2	19.7	73.4	13.5	2.8	10.6	1.6	8.4	1.6	4.4	0.6	1.6	0.6	48.4	344	Lower Saprolite		
RRMDD211	15.0	16.0	1.0	84.3	69.6	19.8	76.3	14.7	3.0	12.3	1.8	10.2	2.0	5.4	0.7	1.8	0.7	61.6	364	Saprock		
RRMDD211	16.0	17.0	1.0	101.6	111.2	21.7	79.3	13.2	2.6	10.8	1.5	8.3	1.6	4.4	0.6	1.5	0.5	55.4	414	Saprock		

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	<ul style="list-style-type: none"> <i>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.</i> <i>Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.</i> <i>Aspects of the determination of mineralisation that are Material to the Public Report.</i> <i>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.</i> 	<p>Diamond Core Drilling</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Using either method core was initial cut in half then one half was further cut in half to give quarter core.</p> <p>Quarter core was submitted to ALS for chemical analysis using industry standard sample preparation and analytical techniques.</p> <p>Half core was collected for metallurgical testwork.</p>
Drilling techniques	<ul style="list-style-type: none"> <i>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).</i> 	<p>Diamond Core Drilling</p> <p>Core size was HQ triple tube.</p> <p>The core was not oriented (vertical)</p>
Drill sample recovery	<ul style="list-style-type: none"> <i>Method of recording and assessing core and chip sample recoveries and results assessed.</i> <i>Measures taken to maximise sample recovery and ensure representative nature of the samples.</i> <i>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.</i> 	<p>Diamond Drilling</p> <p>Core recovery was calculated by measuring actual core length versus drillers core run lengths. Core recovery ranged from 83% to 100% and averaged 98%.</p> <p>No relationship exists between core recovery and grade.</p>
Logging	<ul style="list-style-type: none"> <i>Whether core and chip samples have been geologically and</i> 	All (100%) drill core has been geologically logged and core photographs taken.

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	<p><i>geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i></p> <ul style="list-style-type: none"> • <i>Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.</i> • <i>The total length and percentage of the relevant intersections logged.</i> 	<p>Logging is qualitative with description of colour, weathering status, alteration, major and minor rock types, texture, grain size, regolith zone, presence of kaolinite, hematite, veins and alteration and comments added where further observation is made.</p> <p>Additional non-geological qualitative logging includes comments for sample recovery, humidity, and hardness for each logged interval.</p>								
Sub-sampling techniques and sample preparation	<ul style="list-style-type: none"> • <i>If core, whether cut or sawn and whether quarter, half or all core taken.</i> • <i>If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.</i> • <i>For all sample types, the nature, quality and appropriateness of the sample preparation technique.</i> • <i>Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.</i> • <i>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.</i> • <i>Whether sample sizes are appropriate to the grain size of the material being sampled.</i> 	<p>Diamond Drill Core</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Field duplicate sampling was conducted at a ratio of 1:25 samples. Duplicates were created by lengthways halving the $\frac{1}{4}$ 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.</p>								
Quality of assay data and laboratory tests	<ul style="list-style-type: none"> • <i>The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.</i> • <i>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.</i> • <i>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.</i> 	<p>Assay and Laboratory Procedures – All Samples</p> <p>Samples were dispatched by air freight direct to ALS laboratory Perth Australia. The preparation and analysis protocol used is as follows:</p> <table border="1" data-bbox="1109 1207 1971 1415"> <thead> <tr> <th data-bbox="1109 1207 1545 1250">ALS Code</th><th data-bbox="1545 1207 1971 1250">Description</th></tr> </thead> <tbody> <tr> <td data-bbox="1109 1250 1545 1309">WEI-21</td><td data-bbox="1545 1250 1971 1309">Received sample weight</td></tr> <tr> <td data-bbox="1109 1309 1545 1367">LOG-22</td><td data-bbox="1545 1309 1971 1367">Sample Login w/o Barcode</td></tr> <tr> <td data-bbox="1109 1367 1545 1415">DRY-21</td><td data-bbox="1545 1367 1971 1415">High temperature drying</td></tr> </tbody> </table>	ALS Code	Description	WEI-21	Received sample weight	LOG-22	Sample Login w/o Barcode	DRY-21	High temperature drying
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		<p>Analysis for scandium (Sc) was by Lithium Borate Fusion ICP-AES (ALS code Sc-ICP06).</p> <p>The sample preparation and assay techniques used are industry standard and provide a total analysis.</p> <p>All laboratories used are ISO 17025 accredited</p> <p>QAQC</p> <p><u>Diamond Drill Core Samples</u></p> <ul style="list-style-type: none"> • Analytical Standards <p>CRM AMIS0275 and AMIS0276 were included in sample batches at a ratio of 1:25 to drill samples submitted. This is an acceptable ratio.</p>																																

Criteria	JORC Code explanation	Commentary
		<p>The assay results for the standards were consistent with the certified levels of accuracy and precision and no bias is evident.</p> <ul style="list-style-type: none"> • Blanks <p>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.</p> <p>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.</p> <ul style="list-style-type: none"> • Duplicates <p>Field duplicate sampling was conducted at a ratio of 1:25 samples. Duplicates were created by lengthways halving the $\frac{1}{4}$ 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.</p> <p>Laboratory inserted standards, blanks and duplicates were analysed as per industry standard practice. There is no evidence of bias from these results.</p>
Verification of sampling and assaying	<ul style="list-style-type: none"> • 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. 	<p>No independent verification of significant intersection undertaken.</p> <p>No twinning of diamond core drill holes was undertaken.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>Data validation of assay data and sampling data have been conducted to ensure data entry is correct.</p>

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		<p>All assay data is received from the laboratory in element form is unadjusted for data entry.</p> <p>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)</p> <table border="1"> <thead> <tr> <th>Element ppm</th><th>Conversion Factor</th><th>Oxide Form</th></tr> </thead> <tbody> <tr> <td>Ce</td><td>1.1713</td><td>Ce₂O₃</td></tr> <tr> <td>Dy</td><td>1.1477</td><td>Dy₂O₃</td></tr> <tr> <td>Er</td><td>1.1435</td><td>Er₂O₃</td></tr> <tr> <td>Eu</td><td>1.1579</td><td>Eu₂O₃</td></tr> <tr> <td>Gd</td><td>1.1526</td><td>Gd₂O₃</td></tr> <tr> <td>Ho</td><td>1.1455</td><td>Ho₂O₃</td></tr> <tr> <td>La</td><td>1.1728</td><td>La₂O₃</td></tr> <tr> <td>Lu</td><td>1.1371</td><td>Lu₂O₃</td></tr> <tr> <td>Nd</td><td>1.1664</td><td>Nd₂O₃</td></tr> <tr> <td>Pr</td><td>1.1703</td><td>Pr₂O₃</td></tr> <tr> <td>Sm</td><td>1.1596</td><td>Sm₂O₃</td></tr> <tr> <td>Tb</td><td>1.151</td><td>Tb₂O₃</td></tr> <tr> <td>Tm</td><td>1.1421</td><td>Tm₂O₃</td></tr> <tr> <td>Y</td><td>1.2699</td><td>Y₂O₃</td></tr> <tr> <td>Yb</td><td>1.1387</td><td>Yb₂O₃</td></tr> </tbody> </table> <p>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:</p>	Element ppm	Conversion Factor	Oxide Form	Ce	1.1713	Ce ₂ O ₃	Dy	1.1477	Dy ₂ O ₃	Er	1.1435	Er ₂ O ₃	Eu	1.1579	Eu ₂ O ₃	Gd	1.1526	Gd ₂ O ₃	Ho	1.1455	Ho ₂ O ₃	La	1.1728	La ₂ O ₃	Lu	1.1371	Lu ₂ O ₃	Nd	1.1664	Nd ₂ O ₃	Pr	1.1703	Pr ₂ O ₃	Sm	1.1596	Sm ₂ O ₃	Tb	1.151	Tb ₂ O ₃	Tm	1.1421	Tm ₂ O ₃	Y	1.2699	Y ₂ O ₃	Yb	1.1387	Yb ₂ O ₃
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		<p>TREO (Total Rare Earth Oxide) = $\text{La}_2\text{O}_3 + \text{Ce}_2\text{O}_3 + \text{Pr}_2\text{O}_3 + \text{Nd}_2\text{O}_3 + \text{Sm}_2\text{O}_3 + \text{Eu}_2\text{O}_3 + \text{Gd}_2\text{O}_3 + \text{Tb}_2\text{O}_3 + \text{Dy}_2\text{O}_3 + \text{Ho}_2\text{O}_3 + \text{Er}_2\text{O}_3 + \text{Tm}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Y}_2\text{O}_3 + \text{Lu}_2\text{O}_3$.</p> <p>Note that Y_2O_3 is included in the TREO calculation.</p> <p>HREO (Heavy Rare Earth Oxide) = $\text{Sm}_2\text{O}_3 + \text{Eu}_2\text{O}_3 + \text{Gd}_2\text{O}_3 + \text{Tb}_2\text{O}_3 + \text{Dy}_2\text{O}_3 + \text{Ho}_2\text{O}_3 + \text{Er}_2\text{O}_3 + \text{Tm}_2\text{O}_3 + \text{Yb}_2\text{O}_3 + \text{Y}_2\text{O}_3 + \text{Lu}_2\text{O}_3$</p> <p>CREO (Critical Rare Earth Oxide) = $\text{Nd}_2\text{O}_3 + \text{Eu}_2\text{O}_3 + \text{Tb}_2\text{O}_3 + \text{Dy}_2\text{O}_3 + \text{Y}_2\text{O}_3$</p> <p>LREO (Light Rare Earth Oxide) = $\text{La}_2\text{O}_3 + \text{Ce}_2\text{O}_3 + \text{Pr}_2\text{O}_3 + \text{Nd}_2\text{O}_3$</p> <p>HREO% of TREO= HREO/TREO x 100</p> <p>In elemental form the classifications are:</p> <p>TREE: $\text{La}+\text{Ce}+\text{Pr}+\text{Nd}+\text{Sm}+\text{Eu}+\text{Gd}+\text{Tb}+\text{Dy}+\text{Ho}+\text{Er}+\text{Tm}+\text{Yb}+\text{Lu}+\text{Y}$</p> <p>CREE: $\text{Nd}+\text{Eu}+\text{Tb}+\text{Dy}+\text{Y}$</p> <p>LREE: $\text{La}+\text{Ce}+\text{Pr}+\text{Nd}$</p>
Location of data points	<ul style="list-style-type: none"> 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. 	<p>Drill hole collar locations for all holes were surveyed using a relational DGPS system. The general accuracy for x,y and z is $\pm 0.2\text{m}$.</p> <p>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.</p> <p>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</p> <p>Detailed topographic data was not sourced or used.</p>
Data spacing and distribution	<ul style="list-style-type: none"> 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. 	<p>Drilling relating to this report was conducted on a nominal 400m x 400m grid spacing.</p> <p>Resource estimates have been made on the deposit and announce to the ASX and detail on classification and drill quality and spacing are made in the Table 1 related to the corresponding resource announcements.</p>
Orientation of data in relation to	<ul style="list-style-type: none"> Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. 	<p>The Makuuutu mineralisation is interpreted to be in a flat lying weathered profile including cover soil, lateritic caprock, clays transitioning to saprolite and saprock.</p>

Criteria	JORC Code explanation	Commentary
geological structure	<ul style="list-style-type: none"> <i>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.</i> 	<p>Below the saprock are fresh shales, siltstones and mudstones. Pit mapping and diamond drilling indicate the mineralised regolith to be generally horizontal</p> <p>All drill holes are vertical which is appropriate for horizontal bedding and regolith profile.</p>
Sample security	<ul style="list-style-type: none"> <i>The measures taken to ensure sample security.</i> 	<p>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.</p> <p>Samples were subsequently transported from Australian customs to ALS Perth via road freight and inspected on arrival by a Company representative.</p>
Audits or reviews	<ul style="list-style-type: none"> <i>The results of any audits or reviews of sampling techniques and data.</i> 	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	<ul style="list-style-type: none"> <i>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.</i> <i>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.</i> 	<p>The Makuutu Project is located in the Republic of Uganda. The mineral tenements comprise two (1) granted Retention Licences (RL1693 and RL00007), one (1) Exploration Licence (EL1766).</p> <p>All licences are in good standing with no known impediments.</p> <p>The Makuutu Rare Earths Project is 100% owned by Rwenzori Rare Metals Limited (RRM), a Ugandan registered company. Ionic Rare Earths (IXR) currently has a 51% shareholding in RRM and may increase its shareholding to 60% by meeting expenditure commitments.</p> <ol style="list-style-type: none"> IXR to contribute US\$1,700,000 of expenditure by 1 October 2020 to earn up to a 51% staged interest in RRM as follows;

Criteria	JORC Code explanation	Commentary														
		Spend	Interest earned	Cumulative Interest earned												
		<table border="1" data-bbox="1111 245 1560 404"> <tr> <td data-bbox="1134 261 1538 293">Exercise of Option US\$100,000 of cash plus US\$150,000 of shares</td><td data-bbox="1628 261 1718 293">20%</td><td data-bbox="1740 261 1965 293">20%</td></tr> <tr> <td data-bbox="1134 309 1538 341">Expenditure contribution of US\$650,000</td><td data-bbox="1628 309 1718 341">11%</td><td data-bbox="1740 309 1965 341">31%</td></tr> <tr> <td data-bbox="1134 357 1538 388">Expenditure contribution of a further US\$800,000</td><td data-bbox="1628 357 1718 388">15%</td><td data-bbox="1740 357 1965 388">46%</td></tr> <tr> <td data-bbox="1134 404 1538 436">Expenditure contribution of a further US\$350,000</td><td data-bbox="1628 404 1718 436">5%</td><td data-bbox="1740 404 1965 436">51%</td></tr> </table>	Exercise of Option US\$100,000 of cash plus US\$150,000 of shares	20%	20%	Expenditure contribution of US\$650,000	11%	31%	Expenditure contribution of a further US\$800,000	15%	46%	Expenditure contribution of a further US\$350,000	5%	51%		
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Expenditure contribution of a further US\$800,000	15%	46%														
Expenditure contribution of a further US\$350,000	5%	51%														
		<p>2. IXR to fund to completion of a bankable feasibility study to earn an additional 9% interest for a cumulative 60% interest in RRM.</p> <p>3. During the earn-in phase there are milestone payments, payable in cash or IXR shares at the election of the Vendor, as follows:</p> <ul style="list-style-type: none"> • US\$750,000 on the Grant of Retention Licence over RL1693 which is due to expire on 1 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. <p>At any time should IXR 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 IXR and reclaim all interest earnt by IXR.</p>														
Exploration done by other parties	<ul style="list-style-type: none"> • Acknowledgment and appraisal of exploration by other parties. 	<p>Previous exploration includes:</p> <p>1980: Country wide airborne geophysical survey identifying uranium anomalies in the Project area.</p> <p>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.</p> <p>2006-2009: Country wide high resolution airborne magnetic and radiometric survey identified U anomalous in the Project area.</p> <p>2009: Finland GTK reprocessed radiometric data and refined the Project anomalies.</p> <p>2010: Kweri Ltd undertook field verification of radiometric anomalies including scout sampling of existing community pits. Samples showed an enrichment of REE and Sc.</p> <p>2011: Kweri Ltd conducted ground radiometric survey and evaluated historic groundwater borehole logs.</p> <p>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</p>														

Criteria	JORC Code explanation	Commentary
	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralisation. 	<p>showed enrichment of REE weathered profile. Five (5) samples sent to Toronto Aqueous Research Laboratory for REE leach testwork.</p> <p>2016 – 2017: Rwenzori Rare Metals conduct excavation of 11 pits, ground gravity survey, RAB drilling (109 drill holes) and one (1) diamond drill hole.</p> <p>The historic exploration has been conducted to a professional standard and is appropriate for the exploration stage of the prospect.</p>
Geology	<ul style="list-style-type: none"> Deposit type, geological setting and style of mineralisation. 	<p>The Makutu deposit is interpreted to be an ionic adsorption REE clay-type deposits similar to those in South China, Madagascar and Brazil.</p> <p>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.</p> <p>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.</p> <p>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.</p>
Drill hole Information	<ul style="list-style-type: none"> 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: <ul style="list-style-type: none"> 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 	<p>The material information for drill holes relating to this announcement are contained in Table 2.</p>

Criteria	JORC Code explanation	Commentary
	<p><i>detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i></p>	
Data aggregation methods	<ul style="list-style-type: none"> <i>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.</i> <i>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.</i> <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i> 	<p>A lower cut-off of 300 ppm TREO-Ce₂O₃ was used for data aggregation of significant intervals with a maximum of 2 metres of internal dilution and no top-cuts applied. This lower cut-off is consistent with the marginal cut-off grade estimated and applied in the resource statements on the Makuutu Project</p> <p>Significant intervals were tabulated downhole for reporting. All individual samples were included in length weighted averaging over the entire tabulated range.</p> <p>No metal equivalents values are used.</p>
Relationship between mineralisation widths and intercept lengths	<ul style="list-style-type: none"> <i>These relationships are particularly important in the reporting of Exploration Results.</i> <i>If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.</i> <i>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').</i> 	<p>Down hole lengths are considered true widths.</p> <p>The mineralisation is interpreted to be horizontal, flat lying sediments and weathering profile, with the vertical drilling perpendicular to mineralisation.</p>
Diagrams	<ul style="list-style-type: none"> <i>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.</i> 	<p>Refer to diagrams in body of text.</p>
Balanced reporting	<ul style="list-style-type: none"> <i>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.</i> 	<p>This report contains all drilling results that are consistent with the JORC guidelines. Where data may have been excluded, it is considered not material.</p>
Other substantive exploration data	<ul style="list-style-type: none"> <i>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</i> 	<p>Metallurgical leach testing was previously conducted on samples derived from exploration pits, RAB drilling, and one 8.5 tonne bulk pit sample.</p> <p>In 2012, 5 pit samples were sent to the Toronto Aqueous Research Laboratory at the University of Toronto for leachability tests</p>

Criteria	JORC Code explanation	Commentary
	<i>characteristics; potential deleterious or contaminating substances.</i>	<p>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 (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. 2019: 118 samples from 31 holes from the 2019 diamond drilling program had preliminary variation testwork conducted TREE-Ce extraction ranged from 3% to 75%. 2020: Testing of composite samples with lower extractions from the variation testing were tested using increasing rates of acid addition and leach time. Significant increases in extractions were achieved by adding acid to the leach liquor. Testing of samples from the project is ongoing.</p>
Further work	<ul style="list-style-type: none"> • <i>The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).</i> • <i>Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.</i> 	<p>Future work programs are intended to further evaluate the economic opportunity of the project including extraction recovery maximisation, resource definition and estimation on the known areas of mineralisation.</p>