

7 February 2022

TRANCHE 5 INFILL DRILL RESULTS DELIVER 100% SUCCESS RATE

- **Fifth Tranche of Phase 4 drilling results received with all 110 holes intersecting rare earth element (REE) mineralised clay above the Mineral Resource Estimate (MRE) cut-off grade, including the following outstanding near surface, thick high-grade intervals:**
 - **RRMDD567 7.4 metres at 1,829 ppm TREO from 3.2 metres**
 - **RRMDD585 11.4 metres at 1,567 ppm TREO from 3.3 metres**
 - **RRMDD549 10.7 metres at 1,489 ppm TREO from 3.0 metres**
 - **RRMDD573 12.0 metres at 1,449 ppm TREO from 3.0 metres**
 - **RRMDD510 13.1 metres at 1,374 ppm TREO from 4.7 metres**
 - **RRMDD560 12.6 metres at 1,189 ppm TREO from 3.1 metres**
 - **RRMDD562 11.0 metres at 1,070 ppm TREO from 4.1 metres**
 - **RRMDD550 11.1 metres at 1,067 ppm TREO from 3.7 metres**
- **Remaining Phase 4 samples from 66 holes at the assay laboratory and expected to be reported over the next month**
- **Planning commenced for the MRE update expected in Q2**

Ionic Rare Earths Limited (“IonicRE” or “the Company”) (ASX: IXR) is pleased to announce the results of assays for Tranche Five (5) of the 8,220 metre Phase 4 drill program completed in October 2021 at the Makuutu Rare Earths Project (“Makuutu” or “the Project”) in Uganda.

Drilling results to date continue to confirm that Makuutu is a large scale, ionic adsorption clay (IAC) hosted rare earth element (REE) project, with extension potential identified east and to the northwest. The Project is well supported by existing infrastructure and is one of a few confirmed IAC deposits identified globally, outside of China.

Drill assay results have been received for a further 110 drill holes making up the Tranche 5 submission. The results are for holes drilled within the existing inferred and indicated Mineral Resource Estimate (MRE) at the Makuutu Central Zone, resource area I, and to evaluate Exploration Target C and E, that were excluded from the 2021 MRE due to limited drill hole density.

All 110 holes reported in this announcement have delivered clay and saprolite mineralisation intersections above the cut-off grade of 200 ppm Total Rare Earth Oxide less CeO₂ (TREO-CeO₂) and demonstrated mineralisation consistent with both the initial drilling phases (2019 and H1 2020) and the current MRE.

Notable thick, high-grade and near surface intervals reported from the Tranche 5 assay results include:

- RRMDD567 7.4 metres at 1,829 ppm TREO from 3.2 metres
- RRMDD585 11.4 metres at 1,567 ppm TREO from 3.3 metres
- RRMDD549 10.7 metres at 1,489 ppm TREO from 3.0 metres
- RRMDD573 12.0 metres at 1,449 ppm TREO from 3.0 metres
- RRMDD510 13.1 metres at 1,374 ppm TREO from 4.7 metres
- RRMDD560 12.6 metres at 1,189 ppm TREO from 3.1 metres
- RRMDD562 11.0 metres at 1,070 ppm TREO from 4.1 metres
- RRMDD550 11.1 metres at 1,067 ppm TREO from 3.7 metres
- RRMDD576 21.6 metres at 871 ppm TREO from 1.9 metres
- RRMDD569 20.2 metres at 855 ppm TREO from 4.5 metres
- RRMDD559 18.0 metres at 769 ppm TREO from 8.3 metres
- RRMDD501 27.3 metres at 704 ppm TREO from 10.4 metres

Ionic Rare Earths Managing Director Mr. Tim Harrison commented:

“These latest tranche 5 drill assays align with both expectation and the prior 4 tranches reported to date from the Phase 4 drill program at Makuutu. The results once again clearly show a very thick rare earths bearing clay system, under minimal cover.”

“With this batch, the Phase 4 drilling assay data has nearly all been delivered, and the resource geologist engaged. The Makuutu resource remains on course for a significant upgrade in confidence in the near term, with the MRE update advancing Makuutu another step closer to our goal of submitting a mining licence application later in 2022.”

Tranche 5 Drilling Results

Assay results have been received for 110 holes in the fifth tranche of assays from the Makuutu Phase 4 drill program. The aim of the program is to increase MRE confidence in the Central Zone plus areas F, G, H and I, as illustrated in Figure 1. In addition, exploration targets C, E and the area between the Central Zone and Central Zone East have been infill drilled to support resource estimation of these zones.

Figure 1 illustrates the drill status over the entire Makuutu Rare Earths Project area, including;

- 1) the hole locations relevant to this announcement, shown in red;
- 2) completed Phase 4 drill holes with assay results pending shown as blue points;
- 3) previously reported Phase 4 drill locations shown in black, and
- 4) Phase 1 and 2 drilling from 2019 and 2020 are shown in grey.

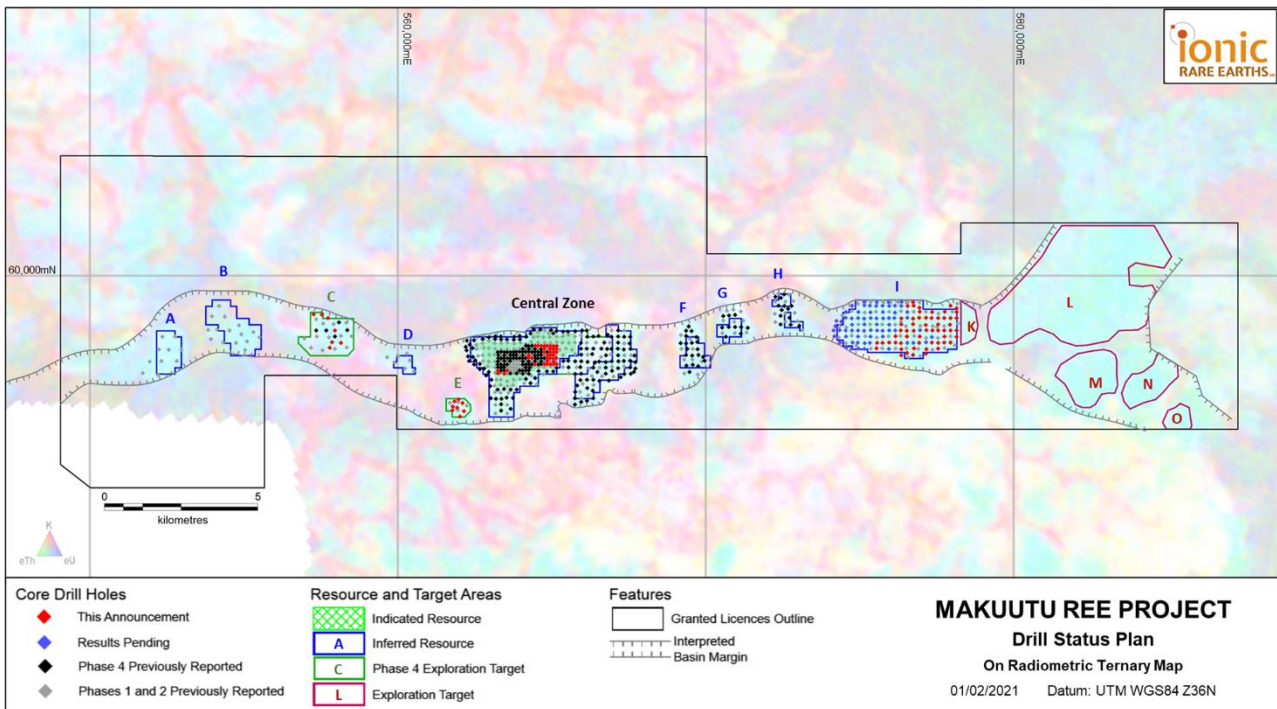


Figure 1: Phase 4 Drill Program status plan showing completed and planned drill holes covering the Makuutu Rare Earths Project with the MRE and target areas.

The drill results received to date in Tranche five (5) consist of one hundred and ten (110) infill drill holes, drilled in order to;

- infill a portion of the Makuutu Central Zone (MCZ) indicated resource to further increase grade estimation confidence in that area,
- infill resource areas I, and
- infill exploration target C and E to provide increased drill density for resource classification.

The results from each of these objectives is summarised in the following sections.

- a) All holes in the MCZ are indicated resource infill drilling in the central portion of the resource designed to bring the drill spacing in to a 100-metre grid (Figure 2). All holes are mineralised consistent with expectations giving further confidence in geology and grade continuity for the pending 2022 MRE update.

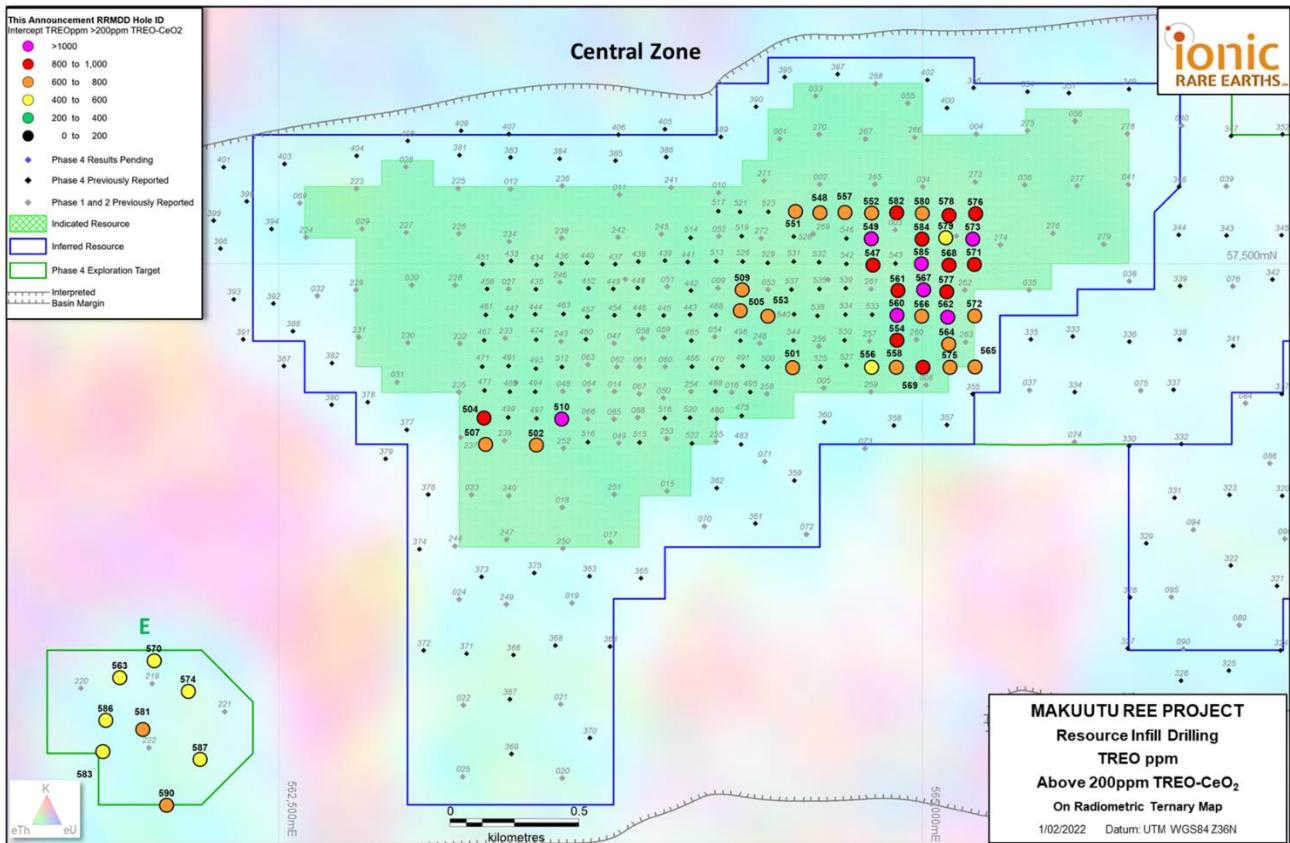


Figure 2: Drill Plan of Makuutu Central Zone and Exploration Target Area E with Tranche 4 infill drill holes showing hole locations by drill intercept TREO grade and RRMDD drill hole ID.

Table 1: Makuutu Central Zone Tranche 5 drilling results above MRE cut-off grade of 200ppm TREO-CeO₂.

Drill Hole ID	Depth From (metres)	Length (metres)	TREO (ppm)	TREO-CeO ₂ (ppm)	HREO (ppm)	CREO (ppm)	Target
RRMDD501	10.4	27.3	704	459	156	220	Indicated resource infill
RRMDD502	4.7	14.0	761	455	171	229	Indicated resource infill
RRMDD504	4.2	12.0	823	642	212	311	Indicated resource infill
	19.0	8.1	438	287	110	143	
RRMDD509	3.4	27.7	604	421	166	219	Indicated resource infill
RRMDD510	4.6	13.1	1374	1069	612	671	Indicated resource infill
RRMDD547	3.2	11.7	976	779	310	407	Indicated resource infill
RRMDD548	4.7	15.2	761	583	248	309	Indicated resource infill
RRMDD549	3.0	10.7	1489	1168	630	703	Indicated resource infill
RRMDD551	3.9	12.6	680	505	186	254	Indicated resource infill
RRMDD552	3.7	14.9	648	478	233	269	Indicated resource infill
RRMDD553	3.8	21.0	670	478	187	248	Indicated resource infill
	27.6	2.8	484	316	149	175	
	33.7	1.4	378	228	90	115	
	37.7	0.9	351	211	81	107	
RRMDD554	6.0	10.3	945	700	299	373	Indicated resource infill
RRMDD556	6.4	16.7	465	310	113	154	Indicated resource infill
RRMDD557	3.2	13.0	656	498	220	272	Indicated resource infill
RRMDD558	7.8	14.0	751	516	166	246	Indicated resource infill
RRMDD560	3.1	12.6	1189	915	383	502	Indicated resource infill
RRMDD561	3.6	9.3	822	613	248	325	Indicated resource infill
RRMDD562	4.1	11.0	1070	849	347	443	Indicated resource infill
RRMDD564	4.2	9.3	770	536	211	270	Indicated resource infill

RRMDD565	5.0	9.2	793	518	194	257	Indicated resource infill
RRMDD566	3.0	10.7	763	554	234	297	Indicated resource infill
RRMDD567	3.2	7.4	1829	1512	571	763	Indicated resource infill
RRMDD568	2.5	10.5	987	760	327	412	Indicated resource infill
RRMDD569	4.5	20.2	855	614	241	313	Indicated resource infill
RRMDD571	4.0	7.7	852	598	296	343	Indicated resource infill
RRMDD572	7.0	11.9	704	468	155	226	Indicated resource infill
RRMDD573	3.0	12.0	1449	1099	543	652	Indicated resource infill
RRMDD575	3.6	8.5	736	530	204	268	Indicated resource infill
RRMDD576	1.9	21.6	871	657	298	363	Indicated resource infill
RRMDD577	2.9	8.6	986	774	348	420	Indicated resource infill
RRMDD578	4.5	10.0	922	669	258	336	Indicated resource infill
RRMDD579	3.5	14.3	589	437	202	242	Indicated resource infill
RRMDD580	3.9	15.4	666	460	162	227	Indicated resource infill
RRMDD582	3.6	14.0	977	735	290	381	Indicated resource infill
RRMDD584	4.0	11.8	961	724	272	359	Indicated resource infill
RRMDD585	3.3	11.4	1567	1221	531	652	Indicated resource infill

Note: Rounding may create arithmetic differences

TREO, HREO and CREO definitions provided within JORC Table 1.

b) Infill drilling of MRE Area I was designed to increase the drill spacing to a 200-metre grid.

All drill holes were mineralised with hole locations shown in Figure 3, and intercepts above the MRE cutoff grade of 200ppm TREO-CeO₂ listed in Table 2. Area I is generally a lower grade area of the resource however it shows consistent clay thickness and grade distribution. The infill drilling displays typical profile grade and thickness characteristics.

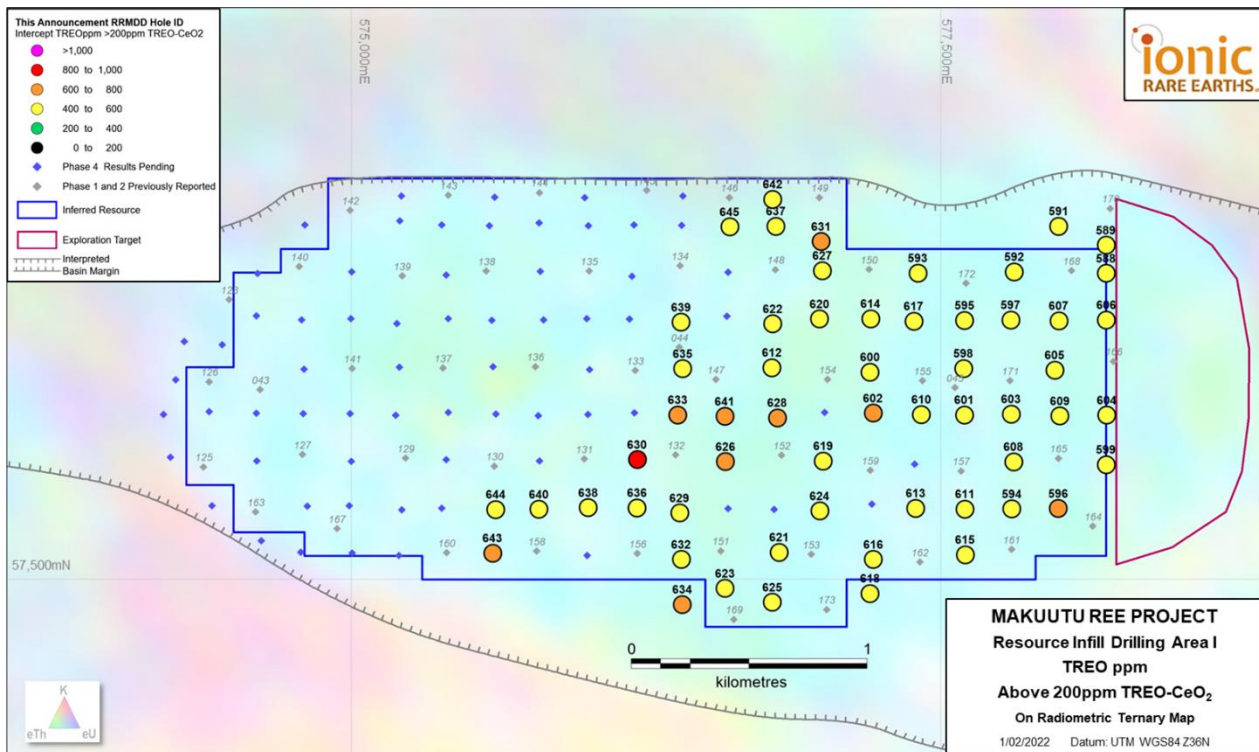


Figure 3: Area I drill plan with Tranche 4 infill drill holes showing hole locations by drill intercept TREO grade and RRMDD drill hole ID. Previously reported holes shown in grey (Phase 1 and 2 drilling).

Table 2: Area I Tranche 5 drilling results above MRE cut-off grade of 200ppm TREO-CeO₂.

Drill Hole ID	Depth From (metres)	Length (metres)	TREO (ppm)	TREO-CeO ₂ (ppm)	HREO (ppm)	CREO (ppm)	Target
RRMDD588	4.9	11.3	470	304	134	167	Area I infill
RRMDD589	2.8	18.0	588	402	193	226	Area I infill
RRMDD591	3.2	21.2	451	289	134	159	Area I infill
RRMDD592	3.3	21.7	458	296	131	160	Area I infill
RRMDD593	3.2	17.3	580	405	191	228	Area I infill
RRMDD594	5.4	13.5	505	330	140	174	Area I infill
RRMDD595	3.0	14.7	442	274	103	137	Area I infill
RRMDD596	4.0	9.6	617	413	177	220	Area I infill
RRMDD597	5.2	17.8	458	291	120	152	Area I infill
RRMDD598	3.7	20.6	450	269	100	133	Area I infill
RRMDD599	3.0	5.2	453	290	132	156	Area I infill
RRMDD600	4.3	14.0	558	352	145	183	Area I infill
RRMDD601	4.0	23.7	442	266	97	133	Area I infill
RRMDD602	4.0	10.2	637	398	157	204	Area I infill
RRMDD603	4.7	22.2	455	277	104	140	Area I infill
RRMDD604	5.4	11.3	542	351	147	186	Area I infill
RRMDD605	4.4	15.8	513	325	125	163	Area I infill
RRMDD606	7.0	9.9	484	322	148	179	Area I infill
RRMDD607	4.1	18.3	487	309	125	158	Area I infill
RRMDD608	4.9	18.7	515	324	129	168	Area I infill
RRMDD609	4.1	12.4	511	321	124	164	Area I infill
RRMDD610	4.9	21.4	454	272	103	136	Area I infill
RRMDD611	1.9	13.5	450	280	106	141	Area I infill
RRMDD612	8.9	11.8	489	308	126	161	Area I infill
RRMDD613	4.3	15.9	411	254	99	130	Area I infill
RRMDD614	4.0	19.0	553	349	137	179	Area I infill
RRMDD615	6.7	14.1	544	340	134	175	Area I infill
RRMDD616	1.7	16.3	521	309	110	153	Area I infill
RRMDD617	7.0	13.9	535	332	140	176	Area I infill
RRMDD618	4.4	14.6	524	355	160	196	Area I infill
RRMDD619	3.4	6.5	586	367	157	192	Area I infill
RRMDD620	7.7	7.7	544	341	148	185	Area I infill
RRMDD621	6.0	9.9	571	368	154	196	Area I infill
RRMDD622	7.6	9.3	586	394	176	212	Area I infill
RRMDD623	2.5	13.0	499	337	149	181	Area I infill
RRMDD624	3.9	12.0	489	313	127	163	Area I infill
RRMDD625	2.6	21.7	525	336	143	179	Area I infill
RRMDD626	6.2	4.5	716	504	273	309	Area I infill
RRMDD627	0.9	13.1	509	337	133	166	Area I infill
RRMDD628	8.1	3.7	671	469	225	269	Area I infill
RRMDD629	4.7	11.0	521	340	146	182	Area I infill
RRMDD630	3.3	1.7	836	560	280	324	Area I infill
RRMDD631	6.2	3.9	602	428	234	263	Area I infill
RRMDD632	7.2	4.4	583	358	159	197	Area I infill
RRMDD633	3.0	6.7	624	421	196	229	Area I infill
RRMDD634	6.0	8.3	660	461	195	246	Area I infill
RRMDD635	6.1	8.6	544	343	137	176	Area I infill
RRMDD636	4.1	10.9	460	291	118	152	Area I infill
RRMDD637	3.3	11.3	581	368	152	197	Area I infill
RRMDD638	2.1	11.9	501	325	136	172	Area I infill
RRMDD639	5.7	11.3	499	314	120	162	Area I infill
RRMDD640	3.0	7.7	525	345	157	189	Area I infill
RRMDD641	6.1	3.9	651	422	181	225	Area I infill
RRMDD642	5.5	13.9	588	401	194	226	Area I infill
RRMDD643	4.9	7.7	710	476	236	274	Area I infill
RRMDD644	2.7	8.1	501	332	149	181	Area I infill

RRMDD645	5.0	10.5	443	283	125	154	Area I infill
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Note: Rounding may create arithmetic differences

TREO, HREO and CREO definitions provided within JORC Table 1.

- c) Exploration Targets C and E failed to achieve sufficient grade continuity in the 400-metre spaced Phase 1 and 2 drilling used in the current MRE (reported 3 March 2021) to allow resource classification.

The Exploration Targets previously announced (ASX: 3 March 2021) for Area C and E are:

Area C: 14 – 27 million tonnes grading 450 – 675 ppm TREO*

Area E: 5 – 10 million tonnes grading 450 – 675 ppm TREO*

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

Previous drilling of Area C gave inconsistent clay profiles often disrupted by barren sand layers. The Phase 4 drilling on a 200-metre hole spacing was conducted in areas where the previous drilling indicated potential for less intervening sand zones.

Results for five (5) holes were previously announced (reported 6 January 2022) with the remaining seven (7) holes reported in this announcement. The results have shown some zones of sand disruption however clay zones are generally thick and show continuity between holes.

Exploration Target E was too sparsely drilled to be included in the current MRE. The Phase 4 program has added eight holes to this area and brought the hole spacing in to less than 200 metres. Results show some consistent clay horizons hosting generally lower grade rare earths however most holes are disrupted by barren sand units to some extent.

Figure 4 shows the location of the reported holes coloured by average TREO grade above the MRE cutoff grade of 200ppm TREO-CeO₂ with these intervals listed in Table 3.

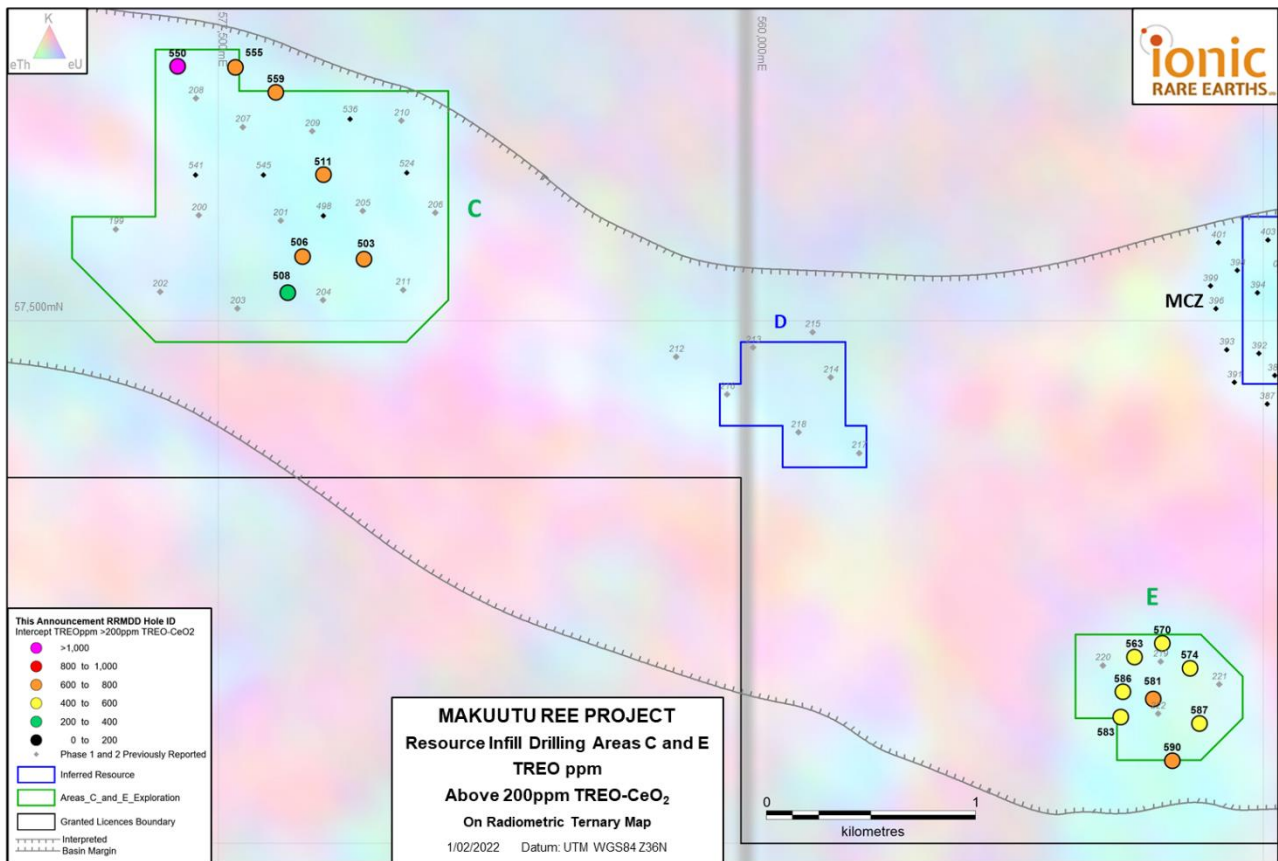


Figure 4: Exploration Areas C and E Tranche 4 infill drill holes showing hole locations by drill intercept TREO grade and RRMDD drill hole ID. Pending holes in blue and Phase 1 and 2 holes in grey.

Table 3: Exploration Targets C and E Tranche 4 drilling results above MRE cut-off grade of 200ppm TREO-CeO₂.

Drill Hole ID	Depth From (metres)	Length (metres)	TREO (ppm)	TREO-CeO ₂ (ppm)	HREO (ppm)	CREO (ppm)	Target
RRMDD503	4.6	20.2	636	471	160	220	Exploration Target C
RRMDD506	6.2	7.6	679	489	175	236	Exploration Target C
	19.9	8.2	350	227	93	118	
RRMDD508	5.0	10.3	348	228	84	111	Exploration Target C
RRMDD511	6.0	18.2	653	484	203	255	Exploration Target C
RRMDD550	3.7	11.1	1067	717	278	368	Exploration Target C
RRMDD555	4.5	9.3	736	516	201	261	Exploration Target C
RRMDD559	4.8	0.9	548	273	67	120	Exploration Target C
	8.3	18.0	769	536	270	305	
RRMDD563	4.7	3.2	551	348	122	165	Exploration Target E
	10.4	0.6	620	420	130	203	
	11.6	0.9	303	208	62	97	
	14.7	5.6	408	297	107	147	
RRMDD570	3.6	8.0	494	374	128	178	Exploration Target E
	14.7	5.3	381	280	101	139	
RRMDD574	3.1	15.4	563	350	107	162	Exploration Target E
	21.9	1.1	399	238	68	105	
RRMDD581	8.3	17.8	666	481	160	229	Exploration Target E
RRMDD583	4.9	0.9	340	244	89	116	Exploration Target E
	10.8	26.9	441	271	89	129	
RRMDD586	5.8	24.0	512	346	115	165	Exploration Target E

RRMDD587	4.6	3.6	405	227	75	106	Exploration Target E
	10.3	10.7	412	253	76	116	
	23.2	11.6	410	243	75	114	
RRMDD590	4.6	0.8	367.3	229	82	107	Exploration Target E
	8.4	6.1	625	426	137	207	
	16.6	8.3	482	317	137	170	
	34.5	0.4	777	552	219	296	

Phase 4 Drilling Program Update

The Phase 4 drill program totaled 8,220 metres of drilling (432 holes) with the objective of increasing the resource confidence to JORC Indicated status over most of the current resource. The drill program was the largest undertaken on the Project to date and will be followed by a MRE update currently anticipated to be finalised in Q2 2022.

Of 432 holes, 366 holes have now been reported. The remaining 66 holes are all located within Area I. These remaining holes are predominantly infill holes to increase confidence, and also include a number of holes with potential for minor addition to western periphery of the area. The remaining holes are expected to be reported over the next month.

In addition to the assay samples, several tonnes of metallurgical samples, consisting of individual drill core intervals, have been delivered from the program to specialised testing laboratories in Australia and the US. Testing of existing and current samples is ongoing.

Table 4: 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
RRMDD501	564494	57099	1161	HQ3	49.0	0	-90
RRMDD502	563499	56799	1162	HQ3	22.3	0	-90
RRMDD503	558197	57801	1163	HQ3	30.5	0	-90
RRMDD504	563296	56904	1159	HQ3	28.8	0	-90
RRMDD505	564291	57321	1172	HQ3	42.3	0	-90
RRMDD506	557903	57813	1168	HQ3	28.1	0	-90
RRMDD507	563302	56802	1158	HQ3	28.7	0	-90
RRMDD508	557831	57641	1167	HQ3	21.4	0	-90
RRMDD509	564299	57402	1171	HQ3	45.8	0	-90
RRMDD510	563598	56901	1166	HQ3	19.8	0	-90
RRMDD511	558002	58204	1169	HQ3	26.2	0	-90
RRMDD547	564806	57498	1161	HQ3	16.9	0	-90
RRMDD548	564601	57701	1165	HQ3	24.9	0	-90
RRMDD549	564800	57600	1162	HQ3	16.2	0	-90
RRMDD550	557305	58722	1164	HQ3	18.7	0	-90
RRMDD551	564505	57707	1165	HQ3	21.0	0	-90
RRMDD552	564801	57699	1162	HQ3	22.3	0	-90
RRMDD553	564398	57300	1170	HQ3	44.0	0	-90
RRMDD554	564900	57206	1152	HQ3	16.3	0	-90
RRMDD555	557580	58719	1170	HQ3	32.5	0	-90
RRMDD556	564802	57101	1151	HQ3	25.9	0	-90
RRMDD557	564698	57702	1163	HQ3	18.7	0	-90
RRMDD558	564897	57101	1148	HQ3	26.0	0	-90
RRMDD559	557775	58599	1173	HQ3	32.5	0	-90

RRMDD560	564899	57303	1156	HQ3	18.0	0	-90
RRMDD561	564903	57399	1158	HQ3	17.1	0	-90
RRMDD562	565097	57296	1151	HQ3	16.6	0	-90
RRMDD563	561883	55897	1152	HQ3	21.4	0	-90
RRMDD564	565100	57191	1149	HQ3	15.6	0	-90
RRMDD565	565203	57103	1144	HQ3	16.3	0	-90
RRMDD566	564996	57300	1154	HQ3	15.9	0	-90
RRMDD567	565004	57402	1156	HQ3	12.6	0	-90
RRMDD568	565102	57498	1156	HQ3	17.5	0	-90
RRMDD569	565001	57102	1147	HQ3	25.9	0	-90
RRMDD570	562016	55963	1152	HQ3	20.0	0	-90
RRMDD571	565200	57500	1155	HQ3	13.6	0	-90
RRMDD572	565201	57301	1150	HQ3	20.9	0	-90
RRMDD573	565194	57599	1156	HQ3	18.2	0	-90
RRMDD574	562148	55844	1154	HQ3	33.1	0	-90
RRMDD575	565105	57101	1145	HQ3	13.6	0	-90
RRMDD576	565205	57697	1156	HQ3	26.1	0	-90
RRMDD577	565093	57395	1154	HQ3	12.6	0	-90
RRMDD578	565101	57691	1158	HQ3	16.8	0	-90
RRMDD579	565090	57603	1157	HQ3	19.8	0	-90
RRMDD580	564998	57699	1159	HQ3	23.2	0	-90
RRMDD581	561972	55696	1156	HQ3	30.0	0	-90
RRMDD582	564898	57701	1160	HQ3	19.2	0	-90
RRMDD583	561817	55610	1156	HQ3	37.6	0	-90
RRMDD584	564996	57599	1159	HQ3	17.7	0	-90
RRMDD585	564995	57502	1158	HQ3	18.1	0	-90
RRMDD586	561828	55731	1154	HQ3	32.2	0	-90
RRMDD587	562194	55579	1157	HQ3	37.5	0	-90
RRMDD588	578199	58802	1125	HQ3	22.8	0	-90
RRMDD589	578200	58921	1124	HQ3	22.4	0	-90
RRMDD590	562064	55402	1160	HQ3	36.0	0	-90
RRMDD591	577998	59001	1125	HQ3	25.3	0	-90
RRMDD592	577810	58807	1133	HQ3	32.5	0	-90
RRMDD593	577401	58802	1134	HQ3	23.6	0	-90
RRMDD594	577799	57803	1140	HQ3	19.5	0	-90
RRMDD595	577599	58602	1139	HQ3	21.3	0	-90
RRMDD596	577996	57805	1134	HQ3	17.2	0	-90
RRMDD597	577795	58604	1136	HQ3	28.6	0	-90
RRMDD598	577594	58398	1142	HQ3	25.8	0	-90
RRMDD599	578199	57991	1131	HQ3	10.0	0	-90
RRMDD600	577198	58382	1142	HQ3	22.2	0	-90
RRMDD601	577599	58202	1144	HQ3	30.2	0	-90
RRMDD602	577211	58209	1147	HQ3	19.1	0	-90
RRMDD603	577797	58205	1141	HQ3	31.4	0	-90
RRMDD604	578202	58201	1132	HQ3	19.3	0	-90
RRMDD605	577981	58391	1136	HQ3	26.3	0	-90
RRMDD606	578200	58604	1128	HQ3	21.2	0	-90
RRMDD607	577999	58600	1133	HQ3	31.5	0	-90
RRMDD608	577807	58003	1141	HQ3	28.9	0	-90
RRMDD609	578003	58197	1137	HQ3	22.2	0	-90
RRMDD610	577416	58203	1146	HQ3	31.4	0	-90
RRMDD611	577600	57802	1144	HQ3	18.5	0	-90
RRMDD612	576782	58402	1138	HQ3	24.6	0	-90
RRMDD613	577392	57806	1148	HQ3	29.4	0	-90
RRMDD614	577201	58609	1138	HQ3	23.6	0	-90
RRMDD615	577602	57609	1142	HQ3	26.9	0	-90
RRMDD616	577212	57589	1149	HQ3	20.5	0	-90
RRMDD617	577384	58599	1139	HQ3	28.5	0	-90

RRMDD618	577198	57445	1147	HQ3	29.0	0	-90
RRMDD619	577000	58006	1148	HQ3	15.1	0	-90
RRMDD620	576984	58608	1135	HQ3	22.4	0	-90
RRMDD621	576813	57619	1150	HQ3	22.9	0	-90
RRMDD622	576785	58588	1136	HQ3	22.6	0	-90
RRMDD623	576584	57467	1148	HQ3	17.3	0	-90
RRMDD624	576985	57795	1150	HQ3	21.5	0	-90
RRMDD625	576784	57408	1149	HQ3	28.0	0	-90
RRMDD626	576585	58004	1143	HQ3	12.5	0	-90
RRMDD627	576996	58813	1128	HQ3	25.9	0	-90
RRMDD628	576805	58190	1142	HQ3	15.0	0	-90
RRMDD629	576390	57786	1144	HQ3	18.5	0	-90
RRMDD630	576211	58012	1142	HQ3	7.5	0	-90
RRMDD631	576991	58936	1129	HQ3	15.9	0	-90
RRMDD632	576398	57589	1144	HQ3	19.2	0	-90
RRMDD633	576382	58201	1142	HQ3	13.7	0	-90
RRMDD634	576402	57398	1146	HQ3	17.2	0	-90
RRMDD635	576404	58398	1142	HQ3	17.5	0	-90
RRMDD636	576211	57807	1142	HQ3	18.1	0	-90
RRMDD637	576799	59001	1135	HQ3	21.0	0	-90
RRMDD638	576003	57808	1140	HQ3	18.3	0	-90
RRMDD639	576397	58594	1141	HQ3	21.9	0	-90
RRMDD640	575793	57802	1137	HQ3	15.0	0	-90
RRMDD641	576583	58196	1142	HQ3	17.8	0	-90
RRMDD642	576786	59116	1136	HQ3	24.1	0	-90
RRMDD643	575598	57616	1127	HQ3	16.8	0	-90
RRMDD644	575611	57800	1133	HQ3	13.8	0	-90
RRMDD645	576603	58999	1137	HQ3	18.0	0	-90

Authorised for release by the Board.

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Makuutu Mineral Resource Estimate

Table 5: Makuutu Resource above 200ppm TREO-CeO₂ Cut-off Grade

Resource Classification	Tonnes (millions)	TREO (ppm)	TREO-CeO ₂ (ppm)	LREO (ppm)	HREO (ppm)	CREO (ppm)	Sc ₂ O ₃ (ppm)
Indicated Resource	66	820	570	590	230	300	30
Inferred Resource	248	610	410	450	160	210	30
Total Resource	315	650	440	480	170	230	30

Rounding has been applied to 1Mt and 10ppm which may influence averaging calculation.

All REO are tabulated in MRE announcement dated 3 March 2021 with formulas defining composition of Light Rare Earth Oxides (LREO), Heavy Rare Earth Oxides (HREO), Critical Rare Earth Oxides (CREO) and Total Rare Earth Oxides (TREO).

Table 6: Mineral Resources by Area

Classification	Indicated Resource			Inferred Resource			Total Resource		
	Area	Tonnes (millions)	TREO (ppm)	TREO-CeO ₂ (ppm)	Tonnes (millions)	TREO (ppm)	TREO-CeO ₂ (ppm)	Tonnes (millions)	TREO (ppm)
Central Zone	66	820	570	51	730	500	118	780	540
A				12	570	390	12	570	390
B				25	410	280	25	410	280
C				-	-	-	-	-	-
D				6	560	400	6	560	400
E				-	-	-	-	-	-
Central Zone East				37	740	520	37	740	520
F				11	570	390	11	570	390
G				6	660	450	6	660	450
H				4	780	560	4	780	560
I				96	550	350	96	550	350
Total Resource	66	820	570	248	610	410	315	650	440

Rounding has been applied to 1Mt and 10ppm which may influence averaging calculations.

About Makuutu Rare Earths Project

The Makuutu Rare Earths Project is an ionic adsorption clay (“IAC”) hosted rare earth element (“REE”) deposit located 120 km east of Kampala in Uganda and is well serviced by existing high quality infrastructure including roads, rail, power infrastructure and cell communications. The installed infrastructure is illustrated in Figure 5.

The deposit stretches 37 km in length and has demonstrated potential for a long life, low-cost capital source of critical and heavy rare earths. These IAC deposits are prevalent in southern China which have been the source of the world’s lowest cost critical and heavy REE production, however these deposits are gradually being exhausted and Makuutu represents one of only a handful of such deposits outside of southern China.

The Makuutu deposit is shallow, with less than 3 m of cover over a 9 m average thickness clay and saprolite zone which results in low-cost bulk mining methods with low strip ratio. A maximum thickness of 28.5 m has been identified at Makuutu. Processing is via simple acidified salt desorption heap leaching, breaking the chemical ionic bond which washes the rare earths (in a chemical form) from the ore into a pregnant leach solution (“PLS”). The PLS is concentrated up using membrane technology, from which the rare earths are precipitated as a mixed rare earth carbonate product; a product which attracts both a higher payability and achieves a high basket price due to the dominant high value critical and heavy rare earths which make up over 70% of the product basket.

The Project has the potential of generating a high margin product with an operation life exceeding 27 years. The Project is also prospective for a low-cost Scandium co-product.



Figure 5: Makuutu Rare Earths Project Location with major existing infrastructure.

Existing Infrastructure

One of the Makuutu Rare Earths Project's competitive advantages is its proximity to existing infrastructure. The Makuutu site is approximately 10km from Highway 109 which is a sealed bitumen road connecting to Kampala, to Kenya and on to the Port of Mombasa. All weather access roads connecting the site to the adjacent sealed bitumen highway are already existing. A rail line lies within 10 kilometres north of the Makuutu site near the town of Iganga. There are four hydroelectric power plants located within 65 km of the project area, with total installed generating capacity of approximately 810 MW, providing an abundant supply of cheap power to the Project.

Water will be sourced at the project by harvesting water from the Makuutu site, given the Project location in a positive rainfall environment, and a net positive process water balance will require membrane processes to be used to process site discharge water for reagent recovery. Excess water management will be a key focus of the Project to ensure environmental standards are met and reagent consumption is minimised.

A workforce of semi-skilled and artisanal workers is available in nearby towns and population centres. The closest major population centre is Iganga, which has a population of 50,000. The town of Mayuge is approximately 10 km from the Project site and the intent is to source local operations staff from the immediate districts and train staff accordingly. The operation is to be staffed by a residential workforce. No fly in – fly out is envisaged, and the number of expatriate staff is intended to be low, and to be phased out over time. Industrial facilities are available in the city of Jinja, approximately 40 km from the Project area. Additional industrial facilities are available on the outskirts of Kampala.

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 111889). Mr. Chapman is a director of geological consultancy GJ Exploration Pty Ltd that is engaged by Ionic Rare Earths Limited. Mr. Chapman has sufficient experience relevant to the style of mineralisation and type of deposit under consideration and to the activity being undertaken to qualify as a Competent Person as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves' (JORC Code). Mr. Chapman consents to the inclusion in this report of the matters based on the information in the form and context in which it appears.

Information in this report that relates to previously reported Exploration Targets and Exploration Results has been cross-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 3 March 2021 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.

The information in this report that relates to Scoping Study results and production targets was first released to the ASX on 29 April 2021 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.

Forward Looking Statements

This announcement has been prepared by Ionic Rare Earths Limited and may include forward-looking statements. Forward-looking statements are only predictions and are subject to risks, uncertainties and assumptions which are outside the control of Ionic Rare Earths Limited. Actual values, results or events may be materially different to those expressed or implied in this document. Given these uncertainties, recipients are cautioned not to place reliance on forward looking statements. Any forward-looking statements in this document speak only at the date of issue of this document. Subject to any continuing obligations under applicable law and the ASX Listing Rules, Ionic Rare Earths Limited does not undertake any obligation to update or revise any information or any of the forward-looking statements in this document or any changes in events, conditions or circumstances on which any such forward looking statement is based.

Appendix 1: Diamond Core Drilling Analytical Results RRMDD501 to RRMDD511 and RRMDD547 to RRMDD645 Including Highlighted Intersections >200 ppm TREO-CeO₂.

(Note: Rounding will cause minor value differences)

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD501	0.0	1.5	1.5	106.1	347.6	19.0	58.1	9.4	1.6	7.7	1.2	6.6	1.4	4.0	0.6	4.5	0.7	36.8	605.4	Hardcap		
RRMDD501	1.5	3.1	1.6	101.2	699.0	18.0	53.4	8.3	1.4	5.9	1.1	5.5	1.1	3.2	0.5	3.7	0.6	28.4	931.4	Hardcap		
RRMDD501	3.1	4.0	1.0	128.4	699.0	22.4	67.9	10.2	1.7	7.6	1.2	6.6	1.3	3.9	0.6	4.1	0.6	34.3	989.8	Transition		
RRMDD501	4.0	5.0	1.0	97.5	595.8	17.4	53.8	8.6	1.4	6.6	1.1	6.1	1.2	3.6	0.5	4.0	0.6	32.5	830.7	Transition		
RRMDD501	5.0	6.0	1.0	88.4	326.8	15.0	46.8	7.5	1.3	5.6	0.9	4.9	1.0	3.1	0.5	3.4	0.5	27.7	533.4	Transition		
RRMDD501	6.0	6.8	0.8	65.6	323.1	11.5	35.6	5.6	1.0	3.8	0.7	4.3	0.9	2.6	0.4	2.9	0.5	22.2	480.6	Transition		
RRMDD501	6.8	7.5	0.8	53.7	176.3	9.3	28.1	4.4	0.8	3.1	0.5	3.4	0.6	2.2	0.3	2.3	0.3	17.1	302.5	Transition		
RRMDD501	7.5	8.5	1.0	24.5	63.5	4.9	16.0	2.8	0.6	2.5	0.4	3.2	0.7	2.4	0.4	3.2	0.5	20.4	145.9	Mottled		
RRMDD501	8.5	9.5	1.0	19.7	24.8	4.1	14.6	2.6	0.5	2.4	0.4	3.5	0.7	2.6	0.4	3.3	0.5	22.6	102.8	Mottled		
RRMDD501	9.5	10.4	1.0	40.7	46.6	7.7	26.0	4.3	0.8	3.7	0.6	4.3	0.8	3.0	0.5	3.6	0.6	26.4	169.4	Mottled		
RRMDD501	10.4	11.4	0.9	166.0	191.6	28.8	92.7	14.4	2.7	10.2	1.4	8.1	1.5	4.5	0.7	4.5	0.7	43.2	570.8	Mottled		
RRMDD501	11.4	12.2	0.8	76.2	429.9	17.0	55.2	8.9	1.6	6.5	0.9	6.0	1.1	3.8	0.6	4.2	0.6	35.3	647.9	Clay		
RRMDD501	12.2	13.0	0.8	89.0	156.6	20.8	70.7	11.4	2.0	7.9	1.1	7.1	1.4	4.1	0.7	4.3	0.7	41.8	419.5	Clay		
RRMDD501	13.0	13.7	0.7	184.7	255.5	35.6	115.9	17.8	3.2	11.5	1.5	9.1	1.6	4.7	0.7	4.8	0.8	45.8	693.4	Clay		
RRMDD501	13.7	14.7	1.0	115.3	267.8	22.3	70.9	10.9	1.9	7.1	1.0	5.9	1.1	3.3	0.5	3.4	0.5	30.7	542.7	Clay		
RRMDD501	14.7	15.5	0.8	106.1	218.0	24.4	81.1	12.8	2.2	8.9	1.2	7.5	1.4	4.4	0.7	4.5	0.7	43.2	517.2	Clay		
RRMDD501	15.5	16.3	0.8	130.2	307.1	24.2	78.7	12.2	2.2	8.6	1.2	6.9	1.2	3.7	0.6	3.6	0.6	35.4	616.4	Clay		
RRMDD501	16.3	17.0	0.8	88.0	258.0	19.6	63.7	9.9	1.7	6.9	1.0	5.9	1.1	3.4	0.5	3.5	0.5	32.5	496.1	Clay		
RRMDD501	17.0	18.0	1.0	91.0	130.2	29.4	97.4	16.2	2.7	9.2	1.3	7.7	1.3	4.2	0.6	4.0	0.6	38.5	434.4	Clay		
RRMDD501	18.0	19.0	1.0	185.3	229.7	52.0	170.9	28.5	4.8	16.3	2.2	11.9	1.9	5.2	0.7	4.7	0.7	47.6	762.4	Clay		
RRMDD501	19.0	20.0	1.0	234.0	310.8	64.3	218.7	35.0	6.0	20.6	2.9	15.7	2.5	6.8	0.9	6.1	0.8	59.8	984.9	Clay		
RRMDD501	20.0	21.0	1.0	180.0	218.0	48.2	162.7	26.7	4.8	16.9	2.3	12.6	2.1	5.8	0.9	5.1	0.7	52.3	739.2	Clay		
RRMDD501	21.0	21.9	1.0	301.4	455.7	81.9	290.4	50.2	9.1	36.5	5.3	30.2	4.9	13.0	1.8	10.9	1.5	117.3	1410.3	Clay		
RRMDD501	21.9	22.9	1.0	486.7	518.4	125.7	458.4	79.7	15.2	63.0	8.9	52.1	8.5	22.6	2.9	17.6	2.3	205.1	2067.1	Clay		
RRMDD501	22.9	23.8	0.9	435.1	328.0	92.9	358.1	62.6	12.7	59.5	8.6	53.5	9.8	28.1	3.8	23.5	3.4	285.7	1765.3	Clay		
RRMDD501	23.8	24.8	0.9	150.7	172.6	29.8	112.3	19.5	4.3	21.9	3.4	23.4	4.9	15.7	2.2	14.0	2.1	170.8	747.6	Clay		
RRMDD501	24.8	25.7	0.9	188.2	191.6	37.0	151.0	29.5	6.8	41.3	6.0	40.5	8.9	26.0	3.3	19.3	2.8	350.5	1102.8	Clay		
RRMDD501	25.7	26.7	0.9	171.2	353.8	32.6	111.6	19.2	3.6	19.2	2.8	18.1	3.8	12.3	1.6	9.9	1.5	158.1	919.4	Clay		
RRMDD501	26.7	27.6	0.9	68.5	119.5	14.0	45.8	7.7	1.4	7.2	1.1	7.4	1.6	5.7	0.8	5.6	0.8	67.9	355.2	Clay		
RRMDD501	27.6	28.5	0.9	91.4	182.4	19.1	61.5	10.5	1.8	7.7	1.1	6.2	1.1	3.5	0.5	3.8	0.6	37.6	428.8	Clay		
RRMDD501	28.5	29.6	1.0	115.2	269.0	26.1	89.7	17.3	3.1	13.5	2.0	11.8	2.1	7.0	0.9	6.2	0.9	67.6	632.4	Clay		
RRMDD501	29.6	30.6	1.0	95.3	242.6	22.0	74.9	13.5	2.4	9.6	1.3	7.3	1.2	3.7	0.5	3.7	0.5	34.5	513.2	Clay		
RRMDD501	30.6	31.6	1.0	81.7	183.0	18.8	62.2	10.7	2.0	7.8	1.0	5.4	0.9	2.6	0.4	2.8	0.4	25.8	405.5	Clay		
RRMDD501	31.6	32.7	1.0	91.8	240.2	21.6	72.7	13.0	2.3	8.8	1.1	5.7	1.0	3.0	0.4	3.2	0.5	28.2	493.5	Clay		
RRMDD501	32.7	33.7	1.0	89.6	225.4	21.1	71.4	12.5	2.1	8.0	1.0	5.3	0.9	2.8	0.4	3.0	0.4	25.7	469.6	Clay		
RRMDD501	33.7	34.7	1.0	65.2	145.0	15.6	53.5	9.5	1.7	6.2	0.9	4.6	0.8	2.7	0.4	3.0	0.4	25.1	334.8	Clay		
RRMDD501	34.7	35.7	1.0	53.4	110.1	12.5	42.1	7.5	1.4	5.0	0.7	3.6	0.7	2.2	0.4	2.3	0.4	19.3	261.5	Clay		
RRMDD501	35.7	36.7	1.0	73.3	138.8	16.3	58.6	11.8	2.5	12.7	2.3	15.9	3.4	11.4	1.6	10.1	1.4	130.2	490.4	Clay		
RRMDD501	36.72	37.7	1.0	83.0	297.3	22.6	82.5	15.9	3.0	11.4	1.6	8.8	1.5	4.5	0.6	4.1	0.6	43.8	581.1	Clay	27.3	704
RRMDD501	37.7	38.8	1.1	32.6	85.3	7.9	27.2	4.8	0.8	3.0	0.4	2.4	0.4	1.5	0.2	1.7	0.3	13.0	181.5	Upper Sapolite		
RRMDD501	38.8	39.8	1.0	37.9	86.5	9.9	34.9	6.7	1.1	4.1	0.6	3.6	0.6	2.0	0.3	2.2	0.3	19.0	209.7	Upper Sapolite		
RRMDD501	39.8	40.8	1.0	45.5	85.3	11.6	39.7	7.3	1.4	5.0	0.7	4.3	0.8	2.5	0.4	2.4	0.4	24.4	231.5	Lower Sapolite		
RRMDD501	40.8	41.8	1.0	63.3	114.5	15.7	53.8	9.9	1.8	7.0	1.0	5.6	1.0	3.3	0.5	3.0	0.4	31.6	312.4	Lower Sapolite		
RRMDD501	41.8	42.8	1.0	73.4	141.9	17.3	59.4	10.7	2.0	8.5	1.2	6.8	1.3	3.9	0.5	3.6	0.5	41.4	372.5	Lower Sapolite		
RRMDD501	42.8	43.8	1.0	66.5	138.8	14.1	46.8	8.1	1.4	5.4	0.7	4.0	0.7	2.2	0.3	2.2	0.3	22.5	314.0	Lower Sapolite		
RRMDD501	43.8	44.7	1.0	51.5	97.5	14.1	52.6	10.8	2.1	8.8	1.3	8.1	1.5	4.3	0.6	3.8	0.5	47.1	304.7	Lower Sapolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD501	44.7	45.7	1.0	53.0	127.8	12.2	42.6	7.9	1.5	5.6	0.8	4.6	0.8	2.5	0.4	2.4	0.4	24.1	286.4	Lower Saprolite		
RRMDD501	45.7	46.6	0.9	57.5	129.6	13.8	47.7	9.0	1.6	6.7	0.9	5.3	1.0	3.1	0.4	2.9	0.4	29.5	309.3	Lower Saprolite		
RRMDD501	46.6	47.4	0.9	55.8	114.5	12.8	44.3	7.6	1.3	5.1	0.7	3.9	0.6	2.1	0.3	2.1	0.3	18.3	269.8	Lower Saprolite		
RRMDD501	47.4	48.2	0.8	47.9	140.7	11.1	39.1	7.2	1.3	5.6	0.8	5.0	0.9	2.8	0.4	2.9	0.4	28.2	294.1	Lower Saprolite		
RRMDD501	48.2	49.0	0.8	49.6	115.5	11.1	37.0	6.5	1.2	4.6	0.6	3.6	0.6	2.0	0.3	2.2	0.3	20.4	255.5	Lower Saprolite		
RRMDD502	0.0	1.7	1.7	84.7	426.3	18.7	62.2	11.7	2.1	9.9	1.6	9.1	1.8	5.5	0.8	6.0	0.9	49.4	690.6	Hardcap		
RRMDD502	1.7	3.4	1.7	70.1	1011.0	15.4	51.3	10.1	1.6	7.9	1.4	7.6	1.5	4.5	0.7	5.3	0.8	36.4	1225.7	Hardcap		
RRMDD502	3.4	4.7	1.3	193.5	1095.7	35.2	108.1	18.1	3.0	14.1	2.3	12.6	2.5	7.2	1.1	7.7	1.1	65.7	1568.0	Transition		
RRMDD502	4.7	5.7	1.0	170.1	218.0	31.3	100.9	16.9	2.7	13.2	2.0	12.3	2.3	7.6	1.1	7.0	1.1	76.4	662.9	Mottled		
RRMDD502	5.7	6.6	0.9	179.4	270.2	33.0	116.1	19.7	3.5	17.3	2.6	14.4	3.1	8.5	1.3	8.4	1.3	95.4	774.1	Clay		
RRMDD502	6.6	7.4	0.9	120.2	162.1	26.3	96.3	16.8	2.8	14.2	2.2	12.1	2.6	7.8	1.2	7.3	1.1	84.2	557.3	Clay		
RRMDD502	7.4	8.3	0.9	92.8	128.4	23.2	85.6	14.8	2.6	12.7	1.9	10.8	2.3	6.9	1.0	6.5	1.0	74.8	465.3	Clay		
RRMDD502	8.3	9.1	0.9	195.3	213.1	31.9	103.7	16.4	2.8	12.9	1.9	10.8	2.3	6.7	1.0	6.5	1.0	71.6	678.0	Clay		
RRMDD502	9.1	9.9	0.8	156.0	319.4	34.0	117.2	18.7	3.1	13.4	2.0	10.6	2.2	6.3	1.0	6.1	1.0	67.2	758.0	Clay		
RRMDD502	9.9	10.7	0.8	126.1	223.0	30.1	105.9	17.3	3.0	12.7	1.9	10.5	2.3	6.4	1.0	6.5	1.0	69.8	617.5	Clay		
RRMDD502	10.7	11.5	0.8	198.2	480.3	54.1	203.5	36.6	6.1	25.2	3.6	18.6	3.6	10.1	1.5	9.4	1.4	102.0	1154.3	Clay		
RRMDD502	11.5	12.3	0.8	144.8	361.1	36.4	126.6	19.8	3.2	13.0	1.9	9.7	2.0	6.0	0.9	5.9	0.9	59.1	791.2	Clay		
RRMDD502	12.3	13.0	0.7	133.1	277.6	31.8	114.5	18.0	3.1	13.6	1.9	10.6	2.2	6.6	1.0	6.4	1.0	73.1	694.7	Clay		
RRMDD502	13.0	13.6	0.7	141.3	302.2	35.9	131.8	22.3	4.0	17.9	2.6	14.5	3.1	9.0	1.3	8.3	1.3	102.9	798.4	Clay		
RRMDD502	13.6	14.4	0.8	274.4	442.2	87.7	369.7	84.7	16.9	78.6	12.2	68.1	13.7	37.4	5.1	30.3	4.4	382.2	1907.6	Clay		
RRMDD502	14.4	15.3	0.9	183.0	314.5	45.3	176.7	33.2	6.4	32.5	4.8	26.1	5.6	15.8	2.1	12.8	2.0	198.7	1059.4	Clay		
RRMDD502	15.3	16.2	0.9	164.2	287.4	38.4	153.4	24.1	4.4	25.4	3.4	19.4	4.5	12.5	1.8	9.8	1.6	202.5	952.8	Clay		
RRMDD502	16.2	17.0	0.8	82.3	164.0	17.6	63.5	11.1	2.0	8.9	1.3	6.8	1.4	4.1	0.6	3.7	0.6	50.4	418.3	Upper Saprolite		
RRMDD502	17.0	17.8	0.8	65.8	116.3	15.0	54.7	9.7	1.8	7.4	1.1	5.9	1.2	3.4	0.5	3.0	0.4	35.7	321.9	Lower Saprolite		
RRMDD502	17.8	18.7	0.8	74.4	151.7	19.0	71.9	13.3	2.5	10.1	1.4	7.7	1.5	4.1	0.6	3.4	0.5	45.8	407.9	Lower Saprolite	14.0	761
RRMDD502	18.7	19.5	0.8	86.6	190.4	18.5	65.1	10.7	2.0	8.1	1.2	6.2	1.3	3.6	0.5	3.3	0.5	39.2	437.2	Saprock		
RRMDD502	19.5	20.3	0.8	65.7	130.2	14.2	49.0	8.1	1.5	6.1	0.8	4.3	0.9	2.5	0.4	2.5	0.4	25.1	311.7	Saprock		
RRMDD502	20.3	21.4	1.0	107.5	250.6	24.4	89.2	15.7	3.0	12.7	1.8	9.7	2.0	5.6	0.8	4.8	0.8	65.5	594.1	Saprock		
RRMDD502	21.4	22.3	0.9	104.6	228.5	22.8	77.2	12.1	2.1	8.9	1.2	6.3	1.2	3.7	0.6	3.6	0.6	43.6	516.9	Saprock		
RRMDD503	0.0	1.5	1.5	95.8	255.5	22.0	75.9	14.6	2.7	13.1	2.1	11.6	2.4	6.9	1.1	7.0	1.1	69.5	581.3	Soil		
RRMDD503	1.5	3.0	1.5	35.2	384.5	8.9	32.2	6.8	1.3	6.0	1.0	5.8	1.1	3.5	0.6	4.2	0.6	29.3	521.1	Hardcap		
RRMDD503	3.0	4.6	1.5	72.2	299.7	15.7	55.9	10.1	1.8	8.3	1.4	8.0	1.7	5.1	0.8	5.4	0.8	48.8	535.7	Transition		
RRMDD503	4.6	5.5	0.9	124.3	266.6	25.4	90.0	15.0	2.6	12.7	2.0	11.6	2.5	7.5	1.1	7.2	1.1	75.6	645.1	Mottled		
RRMDD503	5.5	6.4	0.9	160.1	262.9	27.4	94.0	15.4	2.8	12.8	2.0	11.6	2.5	7.1	1.1	6.8	1.0	75.7	683.2	Mottled		
RRMDD503	6.4	7.3	0.9	158.9	166.4	28.3	98.8	15.5	2.7	12.4	2.0	11.2	2.3	6.5	1.0	6.1	1.0	75.2	588.3	Mottled		
RRMDD503	7.3	8.2	0.9	211.1	189.2	30.3	100.3	16.4	3.0	13.7	2.1	11.8	2.5	7.2	1.0	6.7	1.0	77.7	673.7	Mottled		
RRMDD503	8.2	9.2	1.0	279.1	182.4	35.3	111.9	18.2	3.3	15.2	2.2	12.3	2.5	7.2	1.0	6.3	1.0	78.7	756.6	Clay		
RRMDD503	9.2	10.1	1.0	324.9	302.2	63.1	212.3	34.4	6.0	24.3	3.5	17.8	3.5	9.1	1.3	7.6	1.1	97.9	1109.0	Clay		
RRMDD503	10.1	11.1	1.0	123.7	140.7	24.8	87.1	15.1	2.7	12.3	1.9	11.7	2.4	7.1	1.0	6.6	1.0	73.4	511.5	Clay		
RRMDD503	11.1	12.0	1.0	153.6	129.0	29.5	100.7	17.0	3.0	13.1	2.0	11.6	2.3	6.6	0.9	6.0	0.9	71.5	547.6	Clay		
RRMDD503	12.0	13.0	1.0	319.0	371.0	39.0	116.6	18.1	3.4	13.7	2.1	12.1	2.3	6.6	0.9	5.9	0.9	70.0	981.6	Clay		
RRMDD503	13.0	13.9	0.9	300.2	216.2	46.5	141.7	21.0	4.0	16.0	2.4	12.5	2.5	6.8	1.0	5.9	0.9	77.5	855.0	Clay		
RRMDD503	13.9	14.7	0.9	164.8	148.0	35.8	122.5	19.9	3.6	17.2	2.6	14.1	2.9	8.1	1.1	7.2	1.1	94.2	643.0	Clay		
RRMDD503	14.7	15.6	0.9	174.7	176.9	37.7	125.4	19.3	3.5	16.0	2.4	12.8	2.7	7.2	1.1	6.4	1.0	86.4	673.3	Clay		
RRMDD503	15.6	16.4	0.8	93.2	121.0	22.0	78.6	13.2	2.5	11.2	1.9	10.4	2.1	5.9	0.8	5.4	0.8	67.1	436.2	Clay		
RRMDD503	16.4	17.3	0.9	90.3	92.1	22.2	80.0	13.6	2.6	12.0	1.9	10.6	2.1	6.1	0.9	5.6	0.8	72.3	413.0	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD503	17.3	18.2	1.0	104.1	114.2	27.5	99.4	16.2	3.1	13.5	2.0	11.3	2.3	6.4	0.9	5.3	0.9	77.0	484.3	Clay		
RRMDD503	18.2	19.2	1.0	91.1	60.6	23.0	83.3	14.0	2.7	12.2	1.8	10.4	2.1	5.9	0.8	5.2	0.8	74.0	387.9	Clay		
RRMDD503	19.2	20.2	1.0	146.0	150.5	37.6	134.1	21.6	4.1	17.4	2.6	13.4	2.6	7.4	1.0	6.0	0.8	89.4	634.5	Clay		
RRMDD503	20.2	21.1	0.9	96.5	99.0	25.4	92.8	15.7	3.1	13.0	2.0	10.5	2.1	5.9	0.8	5.2	0.8	72.0	444.9	Upper Saprolite		
RRMDD503	21.1	22.0	0.9	141.3	144.3	40.1	149.3	28.3	5.7	24.1	3.7	19.5	3.8	10.8	1.4	8.6	1.2	126.0	708.1	Upper Saprolite		
RRMDD503	22.0	22.9	0.9	80.9	66.5	22.3	83.6	16.2	3.2	14.8	2.2	12.5	2.6	6.9	1.0	5.8	0.9	82.3	401.6	Upper Saprolite		
RRMDD503	22.9	23.8	0.9	105.3	85.5	31.5	123.6	23.5	4.9	22.3	3.4	17.9	3.5	9.4	1.3	7.7	1.2	116.3	557.4	Upper Saprolite		
RRMDD503	23.8	24.7	0.9	153.1	132.1	47.5	182.5	35.4	7.5	33.7	5.1	26.1	5.3	14.2	1.9	10.8	1.6	164.5	821.0	Upper Saprolite	20.2	636
RRMDD503	24.7	25.4	0.7	33.5	36.2	7.4	27.3	4.4	0.9	4.5	0.7	3.7	0.9	2.7	0.4	2.7	0.4	35.0	160.8	Upper Saprolite		
RRMDD503	25.4	26.5	1.1	10.4	13.0	2.5	9.3	1.6	0.4	1.7	0.3	1.8	0.4	1.3	0.2	1.6	0.3	14.1	58.9	Upper Saprolite		
RRMDD503	26.5	27.3	0.8	23.6	39.1	5.9	21.5	3.9	0.9	3.7	0.6	3.1	0.6	2.1	0.3	2.3	0.3	22.0	129.7	Upper Saprolite		
RRMDD503	27.3	28.2	0.9	32.8	59.9	8.1	28.3	5.1	1.1	4.4	0.7	3.7	0.8	2.3	0.4	2.5	0.4	24.5	175.0	Upper Saprolite		
RRMDD503	28.2	29.1	0.9	72.6	137.6	16.9	59.6	10.4	2.1	7.7	1.2	6.1	1.2	3.3	0.5	3.3	0.5	38.6	361.5	Upper Saprolite		
RRMDD503	29.1	29.8	0.7	51.4	98.0	12.1	43.6	7.6	1.5	5.8	0.9	4.5	1.0	2.8	0.4	2.8	0.4	29.8	262.6	Lower Saprolite		
RRMDD503	29.9	30.5	0.6	42.2	78.7	9.5	33.8	5.6	1.2	4.4	0.7	3.5	0.8	2.0	0.3	2.2	0.4	23.9	209.3	Lower Saprolite		
RRMDD504	0.0	1.2	1.2	100.9	318.2	19.3	62.2	11.4	2.0	9.9	1.6	8.8	1.8	5.4	0.9	5.9	0.9	49.1	598.1	Hardcap		
RRMDD504	1.2	2.4	1.2	211.1	1117.8	34.4	95.6	13.6	2.0	8.3	1.4	7.5	1.4	4.2	0.7	4.8	0.7	32.1	1535.8	Hardcap		
RRMDD504	2.4	3.3	0.9	116.1	1369.7	24.0	80.1	13.2	2.2	10.2	1.7	9.3	1.9	5.8	0.9	6.1	1.0	56.0	1698.2	Transition		
RRMDD504	3.3	4.2	0.9	114.0	593.3	23.7	80.2	13.2	2.1	10.4	1.8	9.2	2.0	6.0	0.9	6.0	1.0	59.9	923.8	Transition		
RRMDD504	4.2	5.0	0.8	111.3	132.7	25.0	86.8	14.1	2.5	12.2	1.9	10.4	2.3	6.7	1.0	6.5	1.0	73.4	487.9	Clay		
RRMDD504	5.0	6.0	0.9	181.2	137.0	46.4	162.1	26.8	4.5	20.3	3.2	16.1	3.2	8.9	1.3	8.1	1.2	102.9	723.2	Clay		
RRMDD504	6.0	6.8	0.9	205.2	125.9	47.6	165.6	26.7	4.6	22.4	3.4	17.7	3.5	10.3	1.5	9.2	1.4	121.5	766.6	Clay		
RRMDD504	6.8	7.7	0.9	265.1	165.8	61.3	215.2	34.4	5.8	27.5	4.2	22.5	4.5	12.2	1.7	11.0	1.6	154.3	987.1	Clay		
RRMDD504	7.7	8.5	0.8	404.6	241.4	104.6	363.9	58.4	10.3	44.7	6.5	32.9	6.2	16.9	2.4	13.8	2.0	208.3	1517.0	Clay		
RRMDD504	8.5	9.3	0.8	343.6	193.5	83.8	290.4	46.4	8.1	36.4	5.4	27.5	5.6	15.1	2.1	12.6	1.8	184.1	1256.6	Clay		
RRMDD504	9.3	10.0	0.7	280.3	192.9	68.0	236.8	37.8	6.4	30.2	4.5	23.6	4.7	13.1	1.8	11.0	1.7	160.0	1072.8	Clay		
RRMDD504	10.0	10.7	0.7	350.7	165.8	80.5	285.8	45.3	8.0	37.3	5.8	29.7	5.9	16.2	2.3	13.8	2.0	207.0	1256.2	Clay		
RRMDD504	10.7	11.4	0.8	317.8	160.3	77.2	250.8	41.9	7.7	34.0	5.1	27.0	5.3	15.2	2.1	12.4	1.8	187.9	1146.5	Clay		
RRMDD504	11.4	12.2	0.8	110.7	398.0	28.8	93.7	15.9	3.0	12.3	1.8	9.9	2.0	5.7	0.8	5.1	0.8	65.4	753.8	Clay		
RRMDD504	12.2	13.1	1.0	80.3	118.5	19.6	65.7	11.6	2.2	9.1	1.4	7.7	1.5	4.4	0.7	4.2	0.6	49.7	377.3	Clay		
RRMDD504	13.1	14.1	1.0	142.5	152.9	29.7	93.3	15.6	3.0	11.6	1.7	8.7	1.7	4.7	0.7	4.2	0.7	53.3	524.3	Clay		
RRMDD504	14.1	15.2	1.0	110.9	205.1	30.3	99.5	16.9	3.3	11.6	1.6	8.3	1.5	4.2	0.6	3.9	0.6	46.0	544.3	Clay		
RRMDD504	15.2	16.2	1.1	127.8	185.5	35.8	117.8	20.7	3.7	13.7	2.0	9.7	1.8	4.9	0.7	4.5	0.6	54.2	583.4	Clay	12.0	823
RRMDD504	16.2	17.2	1.0	55.2	76.2	13.3	43.6	7.1	1.5	5.6	0.8	4.3	0.9	2.6	0.4	2.8	0.4	29.2	243.9	Upper Saprolite		
RRMDD504	17.2	18.1	0.9	65.0	111.8	15.5	48.8	8.2	1.5	5.8	0.8	4.6	1.0	2.8	0.4	2.9	0.5	31.1	300.6	Upper Saprolite		
RRMDD504	18.1	19.0	0.9	59.9	90.4	14.4	46.1	7.3	1.5	5.5	0.8	4.3	0.8	2.5	0.4	2.4	0.4	27.2	263.9	Upper Saprolite		
RRMDD504	19.0	19.9	0.9	113.5	163.4	25.0	81.2	13.8	2.8	11.1	1.6	8.1	1.6	4.5	0.7	4.0	0.6	46.5	478.3	Upper Saprolite		
RRMDD504	19.9	20.7	0.8	104.6	189.2	25.3	84.1	14.7	2.9	10.9	1.6	8.2	1.6	4.3	0.7	4.0	0.6	50.7	503.2	Upper Saprolite		
RRMDD504	20.7	21.5	0.8	124.3	243.2	31.8	109.4	21.5	4.6	18.2	2.8	14.5	2.7	7.4	1.1	6.2	0.9	89.0	677.7	Upper Saprolite		
RRMDD504	21.5	22.4	0.9	72.0	112.8	17.8	61.9	11.4	2.4	9.5	1.4	7.0	1.3	3.7	0.5	3.3	0.5	37.2	342.9	Upper Saprolite		
RRMDD504	22.4	23.3	0.9	82.8	114.7	16.6	54.5	9.9	2.0	8.1	1.2	6.5	1.3	3.8	0.6	3.5	0.6	47.6	353.7	Upper Saprolite		
RRMDD504	23.3	24.2	0.9	90.8	125.9	21.0	79.4	15.4	3.7	18.1	2.7	15.8	3.4	10.2	1.4	8.4	1.2	132.7	530.2	Upper Saprolite		
RRMDD504	24.2	25.1	0.9	59.5	136.4	13.2	43.3	7.5	1.6	6.7	1.0	5.1	1.1	3.3	0.5	3.0	0.5	35.8	318.3	Upper Saprolite		
RRMDD504	25.1	26.1	1.0	57.9	109.0	11.9	36.9	5.7	1.1	4.3	0.6	3.2	0.7	1.9	0.3	2.4	0.4	23.2	259.5	Lower Saprolite		
RRMDD504	26.1	27.1	1.0	82.8	179.3	23.0	83.6	16.6	3.5	14.3	2.2	12.0	2.5	7.2	1.1	6.1	0.9	84.7	519.8	Lower Saprolite	8.1	438
RRMDD504	27.1	28.1	1.0	63.4	130.2	14.0	43.3	7.2	1.4	5.5	0.8	4.1	0.9	2.7	0.4	2.8	0.4	27.8	305.0	Lower Saprolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD504	28.1	28.8	0.8	65.9	144.3	15.1	48.1	8.5	1.6	6.2	1.0	5.3	1.1	3.1	0.5	3.4	0.5	33.0	337.5	Lower Saprolite		
RRMDD505	0.0	1.4	1.4	133.7	266.6	24.4	78.6	12.7	2.3	9.2	1.5	8.1	1.6	4.6	0.8	5.1	0.7	40.5	590.3	Hardcap		
RRMDD505	1.4	2.9	1.4	171.8	405.4	32.5	101.7	16.2	2.7	10.7	1.7	9.2	1.8	5.1	0.8	5.4	0.8	41.8	807.6	Hardcap		
RRMDD505	2.9	3.8	1.0	89.5	584.7	16.9	53.3	8.8	1.5	6.6	1.1	5.8	1.2	3.6	0.6	3.9	0.6	32.8	810.9	Transition		
RRMDD505	3.8	4.9	1.1	26.4	122.3	5.8	19.8	3.9	0.8	3.6	0.6	3.8	0.8	2.6	0.5	3.2	0.5	26.3	220.9	Clay		
RRMDD505	4.9	5.9	1.1	69.9	107.0	17.0	59.8	11.5	2.2	10.4	1.6	9.3	1.9	5.8	0.9	5.8	0.9	64.5	368.5	Clay		
RRMDD505	5.9	7.0	1.1	71.1	218.0	17.5	60.7	12.0	2.3	9.8	1.5	8.4	1.7	5.0	0.8	5.0	0.8	53.3	467.8	Clay		
RRMDD505	7.0	8.0	1.0	88.7	148.6	24.2	84.1	16.5	3.1	13.1	2.0	10.4	2.0	5.7	0.9	5.6	0.9	62.6	468.5	Clay		
RRMDD505	8.0	8.9	0.9	111.4	173.2	26.8	91.9	17.2	3.3	14.2	2.2	11.0	2.2	6.3	1.0	6.1	0.9	70.1	537.8	Clay		
RRMDD505	8.9	9.7	0.9	140.1	205.8	34.8	121.3	22.7	4.4	19.0	2.9	15.7	3.1	9.1	1.4	8.5	1.3	100.6	690.6	Clay		
RRMDD505	9.7	10.6	0.9	117.9	152.3	29.7	105.7	19.7	3.7	17.7	2.6	15.1	3.0	8.6	1.3	8.1	1.2	101.5	588.0	Clay		
RRMDD505	10.6	11.5	0.9	124.9	156.0	31.4	111.3	21.0	4.0	18.2	2.8	15.1	3.0	8.9	1.3	8.1	1.2	99.2	606.4	Clay		
RRMDD505	11.5	12.3	0.8	129.6	160.9	36.7	134.1	26.6	4.8	21.5	3.4	17.1	3.4	9.4	1.5	8.3	1.2	111.6	670.2	Clay		
RRMDD505	12.3	13.2	0.9	147.8	215.6	45.2	161.5	32.4	5.8	24.8	3.7	19.7	3.7	10.5	1.6	9.1	1.4	119.6	802.3	Clay		
RRMDD505	13.2	14.0	0.8	158.9	245.7	49.1	184.3	36.9	5.8	25.2	3.7	20.7	3.7	10.6	1.5	8.9	1.3	116.6	872.9	Clay		
RRMDD505	14.0	14.8	0.8	177.1	332.9	58.0	219.3	47.2	7.7	31.8	4.8	26.6	4.7	13.6	1.9	11.3	1.6	151.1	1089.5	Clay		
RRMDD505	14.8	15.6	0.8	161.8	286.2	48.8	186.6	38.0	6.2	25.8	3.7	19.6	3.3	9.4	1.3	8.0	1.1	102.7	902.6	Clay		
RRMDD505	15.6	16.4	0.8	158.9	312.0	50.1	187.8	39.8	6.2	25.6	3.7	20.3	3.5	10.0	1.4	8.5	1.2	108.4	937.4	Clay		
RRMDD505	16.4	16.9	0.4	35.5	1240.7	9.1	33.4	7.8	1.3	5.6	1.0	5.4	1.0	3.0	0.4	3.2	0.4	26.7	1374.5	Clay		
RRMDD505	16.9	17.9	1.0	120.8	226.0	36.7	138.2	28.9	4.8	19.0	2.7	14.3	2.4	6.8	0.9	5.8	0.8	70.5	678.6	Clay		
RRMDD505	17.9	18.9	1.0	143.7	402.9	45.3	173.2	37.6	6.4	26.4	4.0	22.3	3.9	11.8	1.6	9.6	1.4	119.4	1009.4	Clay		
RRMDD505	18.9	19.9	1.0	124.3	307.1	35.0	131.8	26.6	4.4	18.8	2.7	14.8	2.6	7.7	1.1	6.6	1.0	79.6	764.1	Clay		
RRMDD505	19.9	20.9	1.0	124.9	441.0	35.8	134.1	27.1	4.6	18.7	2.7	14.1	2.4	6.9	1.0	5.9	0.9	69.3	889.4	Clay		
RRMDD505	20.9	22.0	1.0	108.7	256.7	30.9	117.8	24.6	4.2	17.3	2.5	14.2	2.5	7.3	1.0	6.3	0.9	73.7	668.9	Clay		
RRMDD505	22.0	23.0	1.0	92.5	189.8	25.1	97.4	19.9	3.4	14.1	2.0	10.7	1.8	5.3	0.8	4.6	0.7	51.9	520.0	Clay		
RRMDD505	23.0	24.0	1.0	121.4	285.0	37.2	144.6	30.6	5.3	21.3	2.9	14.6	2.4	6.4	0.8	5.4	0.8	62.4	741.1	Clay		
RRMDD505	24.0	25.0	1.0	95.9	212.5	25.4	93.5	18.8	3.1	12.6	1.8	10.0	1.8	5.2	0.8	4.7	0.7	51.8	538.7	Clay		
RRMDD505	25.0	26.0	1.0	55.9	84.5	13.4	48.1	8.9	1.5	6.7	1.0	6.0	1.1	3.2	0.5	3.4	0.5	35.0	269.8	Clay		
RRMDD505	26.0	26.8	0.8	36.4	53.3	8.6	31.7	6.0	1.1	4.8	0.7	4.2	0.8	2.6	0.4	2.7	0.4	25.4	179.1	Upper Saprolite		
RRMDD505	26.8	27.7	0.8	63.1	110.6	15.2	56.0	11.2	2.0	8.0	1.1	6.4	1.1	3.5	0.5	3.2	0.5	32.5	314.9	Upper Saprolite		
RRMDD505	27.7	28.5	0.8	82.9	170.1	19.5	71.5	14.8	2.8	12.9	2.1	12.9	2.3	7.0	1.0	6.5	0.9	64.8	472.1	Upper Saprolite		
RRMDD505	28.5	29.4	0.9	63.4	114.1	14.7	53.5	10.6	2.0	9.2	1.4	8.2	1.5	4.5	0.6	4.2	0.6	44.2	332.8	Upper Saprolite		
RRMDD505	29.4	30.2	0.8	159.5	235.2	37.5	156.9	43.3	10.6	64.7	12.1	85.0	17.8	56.0	7.8	46.8	6.8	666.7	1606.6	Upper Saprolite		
RRMDD505	30.2	31.1	0.9	85.8	197.8	20.7	83.4	25.2	6.5	45.8	8.8	64.2	14.2	45.1	6.2	35.9	5.4	596.9	1241.6	Upper Saprolite		
RRMDD505	31.1	32.1	1.0	73.9	150.5	17.0	64.2	12.9	2.7	14.6	2.3	15.0	3.1	9.7	1.3	7.8	1.2	127.6	503.7	Upper Saprolite		
RRMDD505	32.1	32.8	0.6	85.0	167.7	18.5	69.8	13.2	2.4	11.9	1.6	8.7	1.7	5.0	0.7	4.1	0.6	66.9	457.8	Upper Saprolite		
RRMDD505	32.8	33.4	0.7	90.4	151.1	18.5	69.1	12.1	2.4	12.0	1.5	8.1	1.6	4.8	0.6	4.2	0.7	65.4	442.5	Upper Saprolite		
RRMDD505	33.4	34.1	0.7	54.7	89.2	11.9	41.8	7.6	1.5	7.1	1.0	6.0	1.2	3.8	0.5	3.5	0.5	47.4	277.5	Upper Saprolite		
RRMDD505	34.1	34.9	0.8	65.9	111.3	15.9	61.7	12.7	2.5	10.3	1.5	7.9	1.3	3.9	0.6	3.4	0.5	44.6	344.0	Upper Saprolite	30.1	655
RRMDD505	34.9	35.9	1.0	36.0	65.5	7.9	26.1	4.7	0.8	3.0	0.4	2.3	0.5	1.5	0.3	1.8	0.3	14.6	165.6	Upper Saprolite		
RRMDD505	35.9	36.7	0.8	38.7	63.4	8.8	29.3	5.2	1.0	3.6	0.5	2.7	0.5	1.9	0.3	2.2	0.4	17.5	175.8	Lower Saprolite		
RRMDD505	36.7	37.6	0.9	45.3	95.3	11.2	39.5	7.4	1.4	5.3	0.8	4.7	0.9	2.9	0.5	3.0	0.5	30.2	248.7	Lower Saprolite		
RRMDD505	37.6	38.5	0.9	55.9	167.7	12.3	41.3	6.9	1.2	4.0	0.5	2.8	0.5	1.5	0.3	1.8	0.3	14.9	311.8	Lower Saprolite		
RRMDD505	38.5	39.5	1.1	49.1	124.7	10.3	33.7	5.7	0.9	3.4	0.5	2.5	0.5	1.5	0.3	1.8	0.3	14.5	249.6	Lower Saprolite		
RRMDD505	39.5	40.6	1.1	52.3	140.7	17.1	64.2	13.7	2.9	10.7	1.6	8.3	1.5	3.8	0.6	3.9	0.6	33.3	355.2	Lower Saprolite		
RRMDD505	40.6	41.7	1.1	55.9	110.2	12.7	44.8	8.2	1.9	8.8	1.5	9.6	2.4	7.5	1.1	6.8	1.1	92.7	365.3	Saprock		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD505	41.7	42.5	0.8	52.9	92.5	12.2	41.2	7.0	1.3	5.1	0.7	3.6	0.7	2.2	0.4	2.2	0.4	23.5	245.9	Saprock		
RRMDD505	42.5	43.3	0.8	48.6	87.3	11.0	37.4	6.5	1.2	4.5	0.6	3.4	0.7	2.0	0.3	2.2	0.4	22.1	228.3	Saprock		
RRMDD506	0.0	1.7	1.7	94.5	658.4	20.1	67.2	11.8	2.0	9.3	1.5	8.6	1.8	5.4	0.8	5.7	0.9	53.3	941.3	Hardcap		
RRMDD506	1.7	3.4	1.7	48.6	224.8	10.2	34.3	6.7	1.2	5.6	1.0	5.7	1.2	3.5	0.6	4.1	0.6	33.3	381.2	Hardcap		
RRMDD506	3.4	5.1	1.7	56.4	485.2	12.9	44.0	8.2	1.5	7.0	1.2	6.7	1.4	4.1	0.6	4.4	0.7	37.5	671.9	Hardcap		
RRMDD506	5.1	6.2	1.1	98.5	643.7	22.7	78.3	14.4	2.5	12.5	1.9	10.8	2.2	6.4	1.0	6.3	1.0	66.8	969.0	Transition		
RRMDD506	6.2	7.2	1.0	150.7	224.8	31.2	107.9	18.8	3.2	15.3	2.3	14.7	3.0	8.5	1.2	8.1	1.2	98.9	689.9	Clay		
RRMDD506	7.2	8.1	1.0	167.1	214.4	36.2	126.6	21.4	3.9	18.4	2.9	17.8	3.7	10.6	1.4	9.4	1.5	117.2	752.4	Clay		
RRMDD506	8.1	9.1	1.0	149.5	129.6	31.7	108.8	17.9	3.2	15.7	2.4	14.3	3.0	8.6	1.3	8.0	1.2	102.7	598.0	Clay		
RRMDD506	9.1	10.1	1.0	179.4	149.9	34.0	116.5	18.8	3.4	16.0	2.4	14.5	3.0	8.8	1.3	8.0	1.3	104.8	662.3	Clay		
RRMDD506	10.1	10.9	0.8	83.7	81.1	21.0	75.8	13.7	2.6	11.9	1.9	11.2	2.3	6.3	0.9	5.9	0.9	73.1	392.2	Clay		
RRMDD506	10.9	11.8	1.0	182.4	298.5	36.7	128.9	22.7	4.7	19.4	2.9	15.7	3.0	8.0	1.2	7.0	1.1	90.0	822.3	Clay		
RRMDD506	11.8	12.8	1.0	161.8	147.4	35.3	127.7	21.4	4.4	18.4	2.4	13.4	2.7	6.9	1.0	5.6	0.9	86.9	636.3	Clay		
RRMDD506	12.8	13.8	1.0	198.2	248.1	43.3	152.8	26.1	5.0	20.0	2.8	14.5	2.9	7.5	1.1	6.3	0.9	88.5	818.0	Clay	7.6	679
RRMDD506	13.8	14.3	0.5	12.4	31.7	3.3	11.8	2.5	0.6	2.2	0.4	2.3	0.5	1.4	0.2	1.5	0.3	13.2	84.2	Clay		
RRMDD506	14.3	15.0	0.7	43.5	77.4	10.9	38.6	6.9	1.4	6.0	0.8	5.0	1.0	2.7	0.4	2.7	0.4	31.2	229.0	Clay		
RRMDD506	15.0	15.7	0.7	51.6	87.0	13.8	51.0	9.5	2.0	7.2	1.0	5.9	1.1	3.0	0.5	3.0	0.4	33.3	270.2	Clay		
RRMDD506	15.7	16.5	0.8	41.3	70.4	9.3	32.8	5.8	1.1	4.8	0.6	4.4	0.9	2.3	0.4	2.6	0.4	27.7	204.7	Clay		
RRMDD506	16.5	17.3	0.8	33.2	51.0	7.4	25.4	4.3	0.9	3.8	0.6	3.9	0.8	2.3	0.4	2.6	0.4	27.2	164.2	Clay		
RRMDD506	17.3	18.1	0.8	23.8	36.6	5.6	20.2	3.8	0.8	3.5	0.5	3.2	0.7	2.0	0.3	2.2	0.4	22.9	126.4	Clay		
RRMDD506	18.1	18.9	0.8	29.7	60.3	6.1	22.0	4.2	0.9	3.9	0.6	3.5	0.7	2.2	0.3	2.4	0.4	22.6	159.9	Clay		
RRMDD506	18.9	19.9	1.0	43.7	97.3	10.6	38.5	7.1	1.5	5.9	0.9	5.2	1.1	2.9	0.5	2.8	0.4	30.7	249.0	Upper Saprolite		
RRMDD506	19.9	20.9	1.0	74.6	132.7	21.7	80.4	17.0	3.7	13.7	2.1	11.8	2.3	5.9	0.9	5.0	0.8	61.6	434.1	Upper Saprolite		
RRMDD506	20.9	21.9	1.0	37.5	65.5	10.0	37.2	8.0	1.8	6.8	1.0	6.2	1.2	3.3	0.5	3.0	0.5	35.0	217.6	Upper Saprolite		
RRMDD506	21.9	22.9	1.0	40.6	67.8	14.7	58.9	14.6	3.2	13.0	1.9	11.5	2.2	6.2	0.8	5.3	0.8	60.1	301.6	Upper Saprolite		
RRMDD506	22.9	23.9	1.0	25.3	54.2	5.7	21.0	4.1	0.8	3.6	0.5	3.2	0.7	2.1	0.3	2.2	0.3	22.1	146.2	Upper Saprolite		
RRMDD506	23.9	24.8	1.0	59.7	124.1	14.7	53.5	10.3	2.0	8.3	1.2	6.8	1.4	3.8	0.5	3.5	0.5	44.1	334.4	Upper Saprolite		
RRMDD506	24.8	25.8	1.0	53.9	113.1	13.2	47.2	8.9	1.8	7.5	1.1	6.2	1.3	3.3	0.5	3.0	0.4	38.5	300.0	Upper Saprolite		
RRMDD506	25.8	26.8	0.9	94.9	202.7	22.6	81.1	14.9	3.1	12.3	1.6	9.3	1.8	4.8	0.7	4.1	0.6	57.5	511.9	Upper Saprolite		
RRMDD506	26.8	27.4	0.7	83.7	189.8	20.1	70.1	12.3	2.5	10.0	1.4	8.0	1.6	4.5	0.6	3.7	0.6	53.2	462.1	Upper Saprolite		
RRMDD506	27.4	28.1	0.7	95.0	208.8	22.1	83.0	16.2	3.2	13.3	1.9	11.1	2.2	5.7	0.8	5.0	0.7	71.4	540.6	Upper Saprolite	8.2	350
RRMDD507	0.0	1.2	1.2	97.6	426.3	18.5	59.5	11.1	1.8	8.9	1.5	8.4	1.7	5.1	0.8	5.6	0.8	46.5	694.1	Soil		
RRMDD507	1.2	2.4	1.2	71.5	205.8	16.2	55.3	10.6	1.9	9.5	1.5	8.5	1.7	5.1	0.8	5.5	0.9	51.9	446.6	Hardcap		
RRMDD507	2.4	3.1	0.8	98.3	172.0	21.1	71.0	11.8	2.0	9.7	1.6	8.7	1.9	5.6	0.9	6.2	1.0	60.3	471.9	Mottled		
RRMDD507	3.1	3.9	0.8	89.8	148.6	19.5	65.8	10.8	1.9	9.3	1.4	8.4	1.8	5.6	0.9	5.9	1.0	59.2	429.8	Mottled		
RRMDD507	3.9	4.8	0.9	83.0	146.8	16.7	56.2	9.7	1.7	7.9	1.2	7.7	1.7	5.3	0.9	5.8	0.9	51.3	396.8	Clay		
RRMDD507	4.8	5.6	0.8	75.4	166.4	16.4	56.6	9.4	1.6	7.8	1.2	7.2	1.6	4.8	0.7	5.0	0.8	52.4	407.5	Clay		
RRMDD507	5.6	6.4	0.8	76.7	368.5	16.9	56.6	9.7	1.8	8.0	1.2	7.0	1.5	4.8	0.7	5.2	0.8	50.3	609.8	Clay		
RRMDD507	6.4	7.1	0.7	86.9	151.1	17.6	58.2	9.7	1.7	8.3	1.3	7.8	1.7	5.5	0.9	6.2	1.0	53.7	411.6	Clay		
RRMDD507	7.1	8.1	1.0	240.4	280.1	57.8	195.4	32.5	5.9	22.9	3.2	16.6	3.1	8.3	1.2	6.9	1.0	92.3	967.6	Clay		
RRMDD507	8.1	9.1	1.0	75.8	213.7	15.8	53.3	9.1	1.6	6.9	1.1	6.4	1.3	4.0	0.6	4.2	0.6	44.4	438.8	Clay		
RRMDD507	9.1	10.1	1.0	290.9	266.6	64.2	228.6	39.7	7.2	30.0	4.2	22.7	4.1	10.7	1.5	9.0	1.2	123.7	1104.3	Clay		
RRMDD507	10.1	11.1	1.0	243.9	189.8	50.5	178.5	30.0	5.7	24.2	3.5	19.3	3.8	10.2	1.4	8.6	1.3	123.4	894.2	Clay		
RRMDD507	11.1	11.9	0.8	251.0	411.5	54.4	191.3	32.7	6.1	25.6	3.6	20.0	3.8	10.2	1.5	8.6	1.3	130.8	1152.3	Clay		
RRMDD507	11.9	12.8	0.8	265.1	280.1	60.4	213.5	37.3	6.8	27.9	4.1	21.9	4.1	10.7	1.5	9.0	1.3	126.9	1070.6	Clay		
RRMDD507	12.8	13.6	0.8	331.9	305.9	74.3	265.9	46.4	9.0	37.1	5.4	28.5	5.2	13.1	1.8	10.7	1.5	147.9	1284.5	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD507	13.6	14.6	1.0	295.5	270.2	57.9	212.3	38.5	7.9	37.8	5.8	34.8	7.2	20.6	2.9	17.9	2.7	256.5	1268.5	Clay	16.8	764
RRMDD507	14.6	15.6	1.0	246.3	276.4	42.9	161.0	28.9	6.0	32.2	4.8	29.8	6.8	19.0	2.7	15.8	2.5	265.4	1140.4	Clay		
RRMDD507	15.6	16.5	0.9	174.2	293.6	33.3	120.7	21.5	4.4	20.6	3.1	18.1	3.9	10.6	1.6	9.0	1.4	147.3	863.1	Clay		
RRMDD507	16.5	17.3	0.9	92.1	178.1	18.5	63.9	11.1	2.2	9.2	1.3	7.4	1.5	4.4	0.6	4.0	0.6	57.5	452.6	Clay		
RRMDD507	17.3	18.2	0.9	91.7	207.0	18.8	63.9	10.8	2.1	8.7	1.2	6.9	1.5	4.1	0.6	3.8	0.6	57.7	479.3	Clay		
RRMDD507	18.2	19.1	0.9	66.0	138.8	17.7	66.8	13.2	2.7	10.8	1.6	9.0	1.8	4.7	0.7	4.0	0.6	58.9	397.4	Clay		
RRMDD507	19.1	20.0	0.9	46.1	89.6	10.9	39.2	7.1	1.3	5.2	0.8	4.2	0.8	2.3	0.4	2.4	0.4	28.1	238.8	Upper Saprolite		
RRMDD507	20.0	21.0	0.9	50.4	97.2	10.5	36.2	6.0	1.2	4.7	0.7	4.1	0.9	2.8	0.4	2.9	0.4	34.5	253.0	Upper Saprolite		
RRMDD507	21.0	21.9	0.9	51.7	106.6	12.9	46.1	8.5	1.7	6.2	0.9	5.0	1.0	2.9	0.4	2.8	0.4	30.1	277.4	Upper Saprolite		
RRMDD507	21.9	22.8	0.9	55.5	111.4	12.3	41.8	7.2	1.4	4.9	0.7	4.0	0.8	2.3	0.4	2.6	0.4	25.7	271.3	Upper Saprolite		
RRMDD507	22.8	23.7	0.9	64.9	154.2	14.1	48.8	8.1	1.6	6.0	0.8	4.7	1.0	2.8	0.4	3.0	0.4	32.0	342.9	Upper Saprolite		
RRMDD507	23.7	24.5	0.8	62.4	137.6	14.0	48.1	8.3	1.7	6.4	0.9	5.0	1.0	2.9	0.5	3.2	0.5	31.0	323.4	Upper Saprolite		
RRMDD507	24.5	25.3	0.8	54.9	106.6	12.3	40.8	6.6	1.2	4.4	0.6	3.4	0.7	1.9	0.3	2.3	0.4	20.4	257.0	Upper Saprolite		
RRMDD507	25.3	26.1	0.8	62.7	120.8	13.4	44.9	7.0	1.3	4.6	0.6	3.7	0.8	2.2	0.4	2.5	0.4	22.6	287.7	Upper Saprolite		
RRMDD507	26.1	26.7	0.6	63.9	125.9	13.3	44.0	6.9	1.3	5.1	0.7	4.3	1.0	3.0	0.5	3.2	0.5	33.4	307.1	Lower Saprolite		
RRMDD507	26.7	27.5	0.8	83.4	219.9	18.4	62.6	10.6	2.1	8.2	1.2	6.7	1.4	3.9	0.6	3.7	0.5	47.6	470.8	Lower Saprolite		
RRMDD507	27.5	28.2	0.8	75.6	195.3	16.4	55.2	9.3	1.8	6.9	1.0	5.6	1.1	3.2	0.5	3.1	0.5	34.5	410.0	Saprock		
RRMDD507	28.2	29.0	0.8	62.6	135.1	15.4	56.0	10.6	2.1	8.0	1.2	6.9	1.4	3.9	0.6	3.6	0.5	43.7	351.6	Saprock		
RRMDD508	0.0	0.8	0.8	77.3	164.0	17.6	60.5	11.5	2.0	10.4	1.6	8.9	1.8	5.5	0.8	5.4	0.8	55.0	423.2	Soil		
RRMDD508	0.8	2.5	1.8	64.3	185.5	15.4	53.7	10.8	1.9	9.2	1.5	8.4	1.7	5.0	0.8	5.4	0.8	49.5	413.9	Watercourse		
RRMDD508	2.5	4.1	1.6	45.2	141.9	10.0	34.1	6.5	1.2	5.4	0.9	5.2	1.1	3.4	0.5	3.6	0.5	31.1	290.4	Hardcap		
RRMDD508	4.1	5.0	0.9	90.2	412.7	19.3	63.6	11.0	1.9	9.0	1.5	8.5	1.8	5.2	0.8	5.3	0.8	55.9	687.3	Transition		
RRMDD508	5.0	5.9	0.9	63.6	165.2	13.8	46.1	8.4	1.4	7.2	1.1	6.6	1.4	4.0	0.6	4.0	0.6	41.7	365.7	Clay		
RRMDD508	5.9	6.7	0.9	78.9	143.1	16.4	55.4	9.4	1.6	8.2	1.3	7.7	1.6	4.9	0.7	4.8	0.8	50.5	385.4	Clay		
RRMDD508	6.7	7.6	0.9	57.1	211.9	12.0	40.0	6.9	1.2	5.9	0.9	5.1	1.1	3.2	0.5	3.1	0.5	34.8	384.2	Clay		
RRMDD508	7.6	8.5	1.0	99.8	114.1	20.3	66.7	11.2	2.0	9.5	1.5	8.8	1.8	5.7	0.8	5.4	0.9	60.8	409.3	Clay		
RRMDD508	8.5	9.3	0.8	25.3	21.6	5.4	18.0	3.0	0.6	2.7	0.4	2.4	0.5	1.5	0.2	1.6	0.2	16.4	99.8	Clay		
RRMDD508	9.3	10.0	0.7	31.5	37.2	6.8	23.7	4.2	0.8	3.7	0.6	3.3	0.7	2.1	0.3	2.2	0.3	21.7	139.2	Clay		
RRMDD508	10.0	10.6	0.6	90.3	108.8	18.6	63.5	11.2	2.3	9.0	1.3	6.5	1.2	3.2	0.4	2.9	0.4	36.1	355.6	Clay		
RRMDD508	10.6	11.2	0.6	45.6	40.7	9.9	34.6	6.4	1.3	5.6	0.9	4.8	1.0	2.7	0.4	2.5	0.4	30.7	187.4	Clay		
RRMDD508	11.2	12.2	1.0	82.1	113.0	18.6	64.4	11.2	2.3	9.8	1.5	8.2	1.7	4.9	0.6	4.2	0.6	55.4	378.6	Clay		
RRMDD508	12.2	13.2	1.0	101.2	173.2	26.0	88.8	16.4	3.0	11.9	1.7	9.4	1.8	4.7	0.7	4.2	0.6	59.1	502.6	Clay		
RRMDD508	13.2	14.3	1.0	101.8	137.6	22.8	78.4	13.7	2.8	12.2	1.8	10.3	2.0	5.7	0.8	4.8	0.7	69.1	464.5	Clay		
RRMDD508	14.3	15.3	1.0	65.4	118.4	14.4	51.7	9.5	2.1	8.2	1.3	7.2	1.5	4.1	0.6	3.6	0.6	48.8	337.4	Clay		
RRMDD508	15.3	16.3	1.0	57.2	99.4	12.4	43.9	8.1	1.8	7.5	1.1	6.1	1.2	3.3	0.4	3.2	0.4	35.7	281.8	Clay		
RRMDD508	16.3	17.2	0.9	8.2	26.3	2.1	7.6	1.4	0.3	1.2	0.2	1.4	0.3	1.0	0.2	1.2	0.2	10.0	61.6	Upper Saprolite		
RRMDD508	17.2	18.1	0.9	57.3	130.8	14.4	48.3	8.7	1.7	6.1	0.9	4.9	0.9	2.6	0.4	2.4	0.4	26.2	306.0	Upper Saprolite		
RRMDD508	18.1	18.9	0.8	48.0	100.5	11.3	37.1	6.1	1.3	4.8	0.7	4.1	0.8	2.4	0.4	2.5	0.4	26.5	246.9	Lower Saprolite		
RRMDD508	18.9	19.7	0.8	110.0	216.8	24.2	83.0	15.0	3.2	11.9	1.8	9.0	1.7	4.7	0.6	3.7	0.5	50.8	536.9	Lower Saprolite		
RRMDD508	19.7	20.5	0.8	79.3	171.4	20.5	76.9	16.1	3.8	15.2	2.3	13.0	2.6	7.2	0.9	5.5	0.8	88.3	503.6	Lower Saprolite		
RRMDD508	20.5	21.4	0.9	40.0	82.4	9.6	32.8	6.1	1.4	5.4	0.9	5.0	1.0	3.0	0.4	2.5	0.4	30.4	221.3	Saprock		
RRMDD509	0.0	1.7	1.7	131.4	428.7	24.5	82.0	12.6	2.1	8.9	1.4	7.4	1.4	4.4	0.7	4.5	0.7	36.1	746.7	Hardcap		
RRMDD509	1.7	3.4	1.7	132.5	414.0	25.0	83.2	12.9	2.3	9.5	1.4	8.0	1.5	4.5	0.7	4.9	0.7	36.6	737.7	Hardcap		
RRMDD509	3.4	4.1	0.8	64.4	159.7	16.5	60.7	13.0	2.4	13.4	2.3	14.9	3.4	9.9	1.5	9.4	1.4	137.1	509.9	Mottled		
RRMDD509	4.1	4.9	0.8	63.1	116.5	16.0	59.1	12.4	2.2	10.9	1.8	11.5	2.5	7.5	1.2	7.3	1.2	97.9	411.1	Mottled		
RRMDD509	4.9	5.6	0.8	95.8	170.1	26.8	101.8	20.6	3.4	13.4	1.8	9.7	1.8	4.7	0.7	4.6	0.7	51.7	507.8	Mottled		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD509	5.6	6.5	0.9	131.4	184.3	32.1	116.6	22.1	3.7	16.1	2.3	13.2	2.7	7.4	1.1	7.1	1.1	92.4	633.6	Clay		
RRMDD509	6.5	7.3	0.9	133.1	132.7	34.0	126.0	23.7	3.9	18.0	2.6	14.8	3.0	8.4	1.2	7.8	1.2	106.7	617.0	Clay		
RRMDD509	7.3	8.2	0.9	157.2	245.7	42.8	159.2	31.1	5.2	23.7	3.6	20.4	4.2	11.5	1.7	10.0	1.5	154.3	872.1	Clay		
RRMDD509	8.2	9.0	0.9	137.8	299.7	37.8	139.4	27.8	4.6	20.1	3.0	16.8	3.4	9.2	1.3	8.2	1.3	114.2	824.4	Clay		
RRMDD509	9.0	9.9	0.9	157.2	232.8	44.0	164.5	32.4	5.5	23.6	3.4	18.2	3.6	9.8	1.4	8.6	1.3	118.2	824.4	Clay		
RRMDD509	9.9	10.7	0.8	146.0	218.7	38.3	144.6	28.2	4.9	21.4	3.2	17.4	3.5	9.4	1.4	8.3	1.3	117.3	763.8	Clay		
RRMDD509	10.7	11.5	0.8	140.7	138.2	39.4	153.4	30.7	5.3	25.0	3.8	22.0	4.6	12.8	1.9	11.0	1.7	172.7	763.2	Clay		
RRMDD509	11.5	12.5	1.0	122.6	120.3	32.7	123.1	24.9	4.2	19.2	2.9	16.5	3.5	9.7	1.4	8.4	1.3	124.5	615.1	Clay		
RRMDD509	12.5	13.4	0.9	113.6	107.9	31.8	123.1	25.3	4.3	19.0	2.8	15.3	3.0	8.1	1.2	7.5	1.1	96.3	560.2	Clay		
RRMDD509	13.4	14.3	0.9	92.1	325.5	23.4	88.5	18.2	3.1	13.7	2.1	11.9	2.4	6.3	0.9	6.1	0.9	76.3	671.5	Clay		
RRMDD509	14.3	15.2	0.9	96.5	79.7	25.5	96.6	18.6	3.2	13.8	2.0	10.8	2.2	6.0	0.9	5.5	0.9	71.1	433.2	Clay		
RRMDD509	15.2	16.1	0.9	130.8	167.7	35.6	133.0	26.3	4.4	18.1	2.6	13.4	2.5	6.6	0.9	6.0	0.9	75.1	623.8	Clay		
RRMDD509	16.1	17.0	0.9	224.0	312.0	61.4	237.9	48.0	8.3	33.3	4.5	21.9	3.7	8.7	1.2	7.3	1.0	93.5	1066.9	Clay		
RRMDD509	17.0	18.0	0.9	168.9	207.0	46.8	183.1	38.3	6.6	29.0	4.3	23.5	4.6	12.3	1.8	11.3	1.7	136.5	875.9	Clay		
RRMDD509	18.0	18.9	0.9	173.6	294.8	50.5	196.0	40.4	7.3	29.5	4.2	21.6	3.9	9.9	1.5	8.9	1.2	105.0	948.3	Clay		
RRMDD509	18.9	19.8	0.9	158.3	291.1	47.0	183.7	38.3	6.9	26.7	3.7	19.9	3.5	8.8	1.3	7.9	1.1	90.5	888.7	Clay		
RRMDD509	19.8	20.8	0.9	109.1	149.3	27.1	102.2	20.0	3.5	14.3	2.1	10.8	2.0	5.2	0.8	5.0	0.8	57.1	509.3	Clay		
RRMDD509	20.8	21.8	1.0	121.4	186.1	29.4	110.1	21.7	3.7	15.6	2.1	10.6	1.9	5.1	0.7	4.6	0.7	56.8	570.4	Clay		
RRMDD509	21.8	22.5	0.8	94.2	122.7	22.6	86.4	16.6	3.0	12.7	1.8	9.1	1.7	4.4	0.7	4.3	0.6	50.9	431.8	Upper Saprolite		
RRMDD509	22.5	23.3	0.7	77.2	121.9	18.2	67.9	13.2	2.3	9.6	1.3	7.0	1.3	3.6	0.5	3.4	0.5	39.2	367.1	Upper Saprolite		
RRMDD509	23.3	23.9	0.6	84.2	186.1	19.4	72.3	12.9	2.4	9.9	1.3	7.0	1.4	3.5	0.5	3.4	0.5	40.4	445.2	Upper Saprolite		
RRMDD509	23.9	24.5	0.6	88.2	205.8	20.5	77.9	15.1	2.9	12.7	1.8	9.0	1.7	4.7	0.7	4.1	0.6	46.7	492.2	Upper Saprolite		
RRMDD509	24.5	25.5	0.9	86.1	165.2	19.2	75.5	14.7	3.0	13.7	1.9	9.8	1.9	5.0	0.7	4.7	0.6	48.8	450.7	Upper Saprolite		
RRMDD509	25.5	26.4	0.9	66.3	95.2	13.5	51.2	10.1	2.1	11.6	1.9	11.5	2.6	7.9	1.2	7.1	1.1	89.1	372.4	Upper Saprolite		
RRMDD509	26.4	27.4	0.9	80.0	109.2	14.4	55.5	10.3	2.2	12.5	1.8	10.1	2.2	6.3	0.9	5.6	0.9	72.6	384.5	Upper Saprolite		
RRMDD509	27.4	28.3	0.9	106.3	328.0	27.5	108.0	22.7	4.9	22.8	3.3	18.9	3.7	10.2	1.4	8.0	1.1	121.3	788.1	Upper Saprolite		
RRMDD509	28.3	29.2	0.9	62.5	127.1	14.6	51.7	10.0	2.0	8.2	1.2	6.6	1.3	3.9	0.6	3.6	0.5	43.2	337.1	Lower Saprolite		
RRMDD509	29.2	30.2	0.9	60.5	115.8	13.0	45.0	8.0	1.6	6.5	0.9	5.2	1.0	3.0	0.5	3.1	0.5	33.5	298.3	Lower Saprolite		
RRMDD509	30.2	31.1	0.9	59.3	115.2	13.9	49.1	9.4	1.9	7.9	1.1	6.4	1.3	3.8	0.6	3.8	0.6	44.1	318.5	Lower Saprolite	27.7	604
RRMDD509	31.1	32.0	0.9	54.3	102.8	12.6	44.9	8.3	1.7	7.1	1.0	5.5	1.1	3.1	0.5	3.1	0.5	34.2	280.7	Lower Saprolite		
RRMDD509	32.0	32.9	0.9	48.1	87.8	10.8	37.3	6.9	1.4	5.4	0.8	4.2	0.9	2.6	0.4	2.9	0.4	26.3	236.2	Lower Saprolite		
RRMDD509	32.9	33.9	1.0	48.4	94.5	11.4	40.6	7.7	1.6	6.3	0.9	5.1	1.0	3.0	0.5	3.5	0.5	31.1	256.1	Lower Saprolite		
RRMDD509	33.9	34.8	1.0	47.4	94.1	11.3	41.6	7.8	1.7	6.5	1.0	5.6	1.1	3.3	0.5	3.5	0.5	34.7	260.6	Lower Saprolite		
RRMDD509	34.8	35.8	1.0	49.8	104.4	12.6	46.9	9.3	1.9	7.5	1.2	6.5	1.3	3.9	0.6	3.9	0.6	40.1	290.6	Lower Saprolite		
RRMDD509	35.8	36.8	1.0	46.7	93.7	10.8	38.6	7.3	1.5	5.8	0.8	4.8	1.0	2.9	0.5	3.2	0.5	28.7	246.7	Lower Saprolite		
RRMDD509	36.8	37.8	1.0	46.4	95.8	11.6	41.6	7.9	1.7	7.0	1.0	5.7	1.2	3.3	0.5	3.5	0.5	35.2	263.0	Lower Saprolite		
RRMDD509	37.8	38.7	1.0	40.5	76.0	9.0	32.0	5.8	1.2	4.5	0.7	3.7	0.7	2.2	0.4	2.5	0.4	22.2	201.8	Lower Saprolite		
RRMDD509	38.7	39.7	1.0	53.5	103.8	11.6	40.2	7.6	1.5	5.9	0.9	4.9	1.0	2.8	0.5	3.1	0.5	28.8	266.5	Lower Saprolite		
RRMDD509	39.7	40.7	1.0	48.7	97.9	10.4	35.8	6.3	1.3	5.1	0.7	3.9	0.8	2.4	0.4	2.6	0.4	23.4	240.0	Lower Saprolite		
RRMDD509	40.7	41.7	1.0	51.4	115.3	12.9	47.9	9.3	2.0	7.4	1.1	6.2	1.2	3.7	0.6	4.0	0.6	37.8	301.3	Lower Saprolite		
RRMDD509	41.7	42.6	1.0	55.1	138.8	13.4	49.3	9.5	2.0	7.5	1.1	6.6	1.3	3.8	0.6	3.9	0.6	39.0	332.6	Lower Saprolite		
RRMDD509	42.6	43.6	1.0	57.2	132.1	12.8	45.0	8.3	1.7	6.4	0.9	5.2	1.1	3.2	0.5	3.6	0.5	31.6	310.2	Lower Saprolite		
RRMDD509	43.6	44.7	1.1	58.8	129.0	13.6	49.0	8.9	1.8	7.4	1.1	6.1	1.2	3.6	0.6	3.7	0.6	36.6	322.0	Saprock		
RRMDD509	44.7	45.8	1.1	59.6	132.1	13.9	48.8	9.0	1.8	7.0	1.0	5.3	1.0	3.1	0.5	3.3	0.5	30.6	317.2	Saprock		
RRMDD510	0.0	1.6	1.6	89.1	253.1	18.3	59.6	11.1	1.8	8.3	1.4	7.6	1.5	4.5	0.7	5.0	0.7	42.3	505.1	Hardcap		
RRMDD510	1.6	3.1	1.5	104.7	624.0	19.7	67.0	11.8	2.0	8.8	1.5	8.6	1.6	5.1	0.8	5.6	0.8	36.7	898.9	Hardcap		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD510	3.1	4.6	1.6	202.3	670.7	32.7	100.3	15.3	2.4	10.8	1.8	9.8	1.8	5.6	0.9	6.2	0.9	45.0	1106.5	Transition		
RRMDD510	4.6	5.6	0.9	239.3	348.9	53.2	173.2	26.2	4.0	17.6	2.4	13.0	2.4	6.2	0.9	5.9	0.9	66.2	960.1	Mottled		
RRMDD510	5.6	6.5	0.9	273.3	293.6	57.6	207.6	33.4	5.4	25.9	3.3	17.7	3.0	7.5	1.0	6.4	1.0	82.9	1019.6	Mottled		
RRMDD510	6.5	7.5	0.9	122.6	146.2	23.1	75.5	12.6	2.1	10.6	1.6	9.7	2.0	5.8	0.9	5.7	0.9	64.8	483.9	Mottled		
RRMDD510	7.5	8.4	0.9	91.6	155.4	19.2	66.5	12.3	2.2	11.4	1.7	10.3	2.2	6.5	1.0	6.6	1.0	71.6	459.5	Mottled		
RRMDD510	8.4	9.3	0.9	67.6	324.3	18.5	70.2	13.6	2.4	12.0	1.9	11.4	2.4	6.9	1.1	6.9	1.1	78.5	618.8	Clay		
RRMDD510	9.3	10.1	0.9	197.6	230.9	37.0	114.5	18.4	3.4	15.8	2.5	15.3	3.3	9.7	1.5	9.3	1.5	134.6	795.4	Clay		
RRMDD510	10.1	11.1	1.0	71.2	120.0	18.7	69.8	13.3	2.4	11.7	1.7	10.4	2.2	6.5	1.0	6.6	1.0	73.8	410.3	Clay		
RRMDD510	11.1	12.1	1.0	84.9	165.2	22.9	85.4	16.0	2.8	12.9	1.9	11.6	2.3	6.9	1.1	6.8	1.0	77.2	499.0	Clay		
RRMDD510	12.1	13.2	1.0	157.7	347.6	34.4	115.8	20.8	3.5	15.6	2.3	13.1	2.7	7.2	1.1	7.3	1.1	82.0	812.3	Clay		
RRMDD510	13.2	14.0	0.9	183.0	460.7	61.1	242.6	48.0	8.5	36.5	5.0	26.5	4.9	12.8	1.9	11.6	1.7	137.1	1241.9	Clay		
RRMDD510	14.0	14.9	0.9	207.6	429.9	73.0	290.4	60.2	10.3	39.9	5.7	29.5	5.2	13.3	1.9	11.5	1.7	143.5	1323.6	Clay		
RRMDD510	14.9	15.8	0.9	241.6	506.1	113.3	488.7	109.5	19.2	73.7	10.6	53.8	9.3	22.5	3.2	19.9	2.7	231.1	1905.2	Upper Saprolite		
RRMDD510	15.8	16.7	0.9	398.8	560.2	210.2	1057.9	264.4	60.0	367.7	57.3	354.6	79.6	218.4	30.4	173.7	26.4	3073.2	6932.6	Upper Saprolite		
RRMDD510	16.7	17.8	1.1	139.6	245.7	45.2	216.4	53.9	12.5	92.0	13.8	88.7	22.0	62.8	8.6	47.4	7.8	1055.3	2111.5	Lower Saprolite	13.1	1374
RRMDD510	17.8	18.8	1.0	99.7	231.6	24.5	89.6	16.3	3.0	14.3	2.0	11.5	2.5	6.9	1.0	6.1	0.9	104.4	614.4	Saprock		
RRMDD510	18.8	19.8	1.0	90.7	224.8	21.5	75.2	14.2	2.7	11.0	1.7	9.8	2.0	6.0	0.9	6.1	0.9	67.1	534.6	Saprock		
RRMDD511	0.0	2.0	2.0	83.7	191.6	18.9	67.0	12.6	2.3	11.6	1.8	10.7	2.1	6.3	0.9	6.2	0.9	60.4	477.1	Soil		
RRMDD511	2.0	4.0	2.0	72.1	371.0	14.9	52.5	10.1	1.8	8.0	1.4	7.8	1.5	4.8	0.8	5.1	0.8	40.6	593.1	Hardcap		
RRMDD511	4.0	6.0	2.0	117.9	819.3	23.7	82.7	15.5	2.7	12.1	2.0	11.8	2.2	6.9	1.0	7.0	1.0	56.6	1162.5	Hardcap		
RRMDD511	6.0	7.0	1.0	229.9	259.2	44.5	145.2	24.6	4.1	20.3	3.0	17.4	3.7	10.6	1.5	9.9	1.4	113.0	888.4	Clay		
RRMDD511	7.0	7.9	1.0	196.4	336.6	41.2	141.7	26.3	4.6	21.6	3.3	18.5	3.7	11.0	1.6	10.0	1.5	113.4	931.3	Clay		
RRMDD511	7.9	8.9	1.0	353.0	344.0	58.8	184.9	30.3	5.3	23.2	3.4	19.8	3.9	11.3	1.6	10.0	1.4	128.9	1179.7	Clay		
RRMDD511	8.9	9.9	1.0	85.8	118.3	28.8	116.6	22.7	4.1	20.4	3.2	18.9	3.9	11.5	1.6	9.6	1.4	121.9	568.7	Clay		
RRMDD511	9.9	10.9	1.0	180.0	250.6	42.4	150.5	27.3	4.8	22.7	3.4	19.7	4.0	11.8	1.6	9.4	1.4	130.8	860.5	Clay		
RRMDD511	10.9	11.9	1.0	289.7	331.7	56.1	190.1	33.4	5.8	26.0	3.8	21.3	4.3	12.8	1.7	10.7	1.5	141.6	1130.6	Clay		
RRMDD511	11.9	12.9	1.0	72.1	101.2	23.6	92.1	18.1	3.3	16.4	2.5	14.7	3.1	8.6	1.2	7.0	1.1	102.7	467.7	Clay		
RRMDD511	12.9	13.9	1.0	78.9	99.0	21.9	84.3	16.2	3.1	15.1	2.2	13.0	2.8	8.2	1.1	6.5	1.0	95.6	449.0	Clay		
RRMDD511	13.9	14.9	1.0	73.7	115.5	22.0	85.1	17.5	3.4	16.0	2.5	13.7	2.9	8.6	1.2	6.8	1.0	98.4	468.2	Clay		
RRMDD511	14.9	15.9	1.0	100.7	181.8	30.7	123.1	23.4	4.4	21.2	3.2	17.7	3.8	10.4	1.3	7.7	1.1	133.3	663.7	Clay		
RRMDD511	15.9	16.9	1.0	124.3	206.4	37.7	147.0	28.5	5.6	27.5	4.0	23.4	5.0	13.9	1.8	10.0	1.5	181.0	817.5	Clay		
RRMDD511	16.9	17.9	1.0	204.1	229.7	58.1	221.0	40.7	7.8	37.5	5.5	30.6	6.3	17.6	2.2	12.5	1.8	234.9	1110.4	Clay		
RRMDD511	17.9	18.9	1.0	54.8	40.3	14.1	54.7	11.1	2.2	10.7	1.6	9.4	2.0	5.8	0.8	4.6	0.7	66.2	278.9	Clay		
RRMDD511	18.9	19.9	1.0	52.2	40.2	13.9	54.9	10.6	2.4	11.4	1.7	10.7	2.1	6.0	0.8	4.7	0.8	75.8	288.2	Clay		
RRMDD511	19.9	20.7	0.8	89.1	64.6	21.2	80.1	14.5	3.2	15.1	2.2	13.2	2.7	7.3	0.9	5.4	0.8	101.3	421.8	Clay		
RRMDD511	20.7	21.6	0.8	102.7	147.4	25.5	93.3	17.2	3.7	16.6	2.4	14.1	2.7	7.5	0.9	5.5	0.8	101.2	541.6	Upper Saprolite		
RRMDD511	21.6	22.4	0.8	110.7	122.1	28.8	109.3	20.6	4.4	20.2	2.9	17.1	3.3	9.0	1.1	6.5	1.0	117.8	574.9	Upper Saprolite		
RRMDD511	22.4	23.2	0.8	61.0	101.5	15.8	59.3	11.2	2.5	11.2	1.7	9.9	1.9	5.3	0.7	4.2	0.6	69.2	355.9	Upper Saprolite		
RRMDD511	23.2	24.2	1.0	52.2	103.3	14.1	53.7	10.9	2.5	10.1	1.5	8.9	1.7	4.8	0.6	3.7	0.6	53.3	322.0	Lower Saprolite	18.2	653
RRMDD511	24.2	25.2	1.0	118.5	232.2	24.6	90.7	16.7	3.8	15.2	2.1	12.0	2.2	6.2	0.8	4.5	0.7	71.2	601.5	Saprock		
RRMDD511	25.2	26.2	1.0	123.1	246.9	27.2	106.8	20.9	4.7	19.8	2.8	16.4	3.0	8.2	1.1	6.1	0.9	103.9	691.8	Saprock		
RRMDD547	0.0	1.6	1.6	106.4	402.9	20.7	66.4	10.7	1.8	7.0	1.1	6.6	1.3	3.6	0.6	4.1	0.6	33.3	667.0	Hardcap		
RRMDD547	1.6	3.2	1.6	94.3	525.8	18.9	60.9	10.2	1.8	6.8	1.2	6.8	1.3	4.0	0.6	4.5	0.6	33.9	771.7	Hardcap		
RRMDD547	3.2	4.3	1.1	106.7	149.3	28.2	102.9	19.3	3.5	15.2	2.4	13.8	2.7	7.9	1.2	7.9	1.2	76.4	538.6	Mottled		
RRMDD547	4.3	5.2	0.9	653.2	449.6	233.8	797.8	152.5	26.1	94.6	13.5	67.0	11.0	28.2	4.0	24.3	3.3	255.2	2814.1	Mottled		
RRMDD547	5.2	6.1	0.9	661.5	441.0	154.6	519.0	90.0	16.0	66.5	9.5	52.0	9.9	27.6	4.0	24.1	3.6	304.8	2384.1	Mottled		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD547	6.1	7.0	0.9	149.5	137.6	30.4	103.8	17.4	3.1	13.9	2.2	12.5	2.5	7.3	1.1	7.2	1.1	75.2	564.9	Clay		
RRMDD547	7.0	7.9	0.9	128.4	94.5	28.0	99.3	18.0	3.4	15.7	2.5	14.9	3.1	9.3	1.4	9.0	1.4	99.4	528.2	Clay		
RRMDD547	7.9	8.9	0.9	150.7	124.7	32.5	116.2	20.6	4.0	19.4	3.1	18.5	3.9	11.7	1.7	10.4	1.7	128.3	647.4	Clay		
RRMDD547	8.9	9.8	0.9	126.1	124.1	27.3	94.6	16.6	3.1	14.1	2.2	13.1	2.7	7.9	1.2	7.2	1.1	84.3	525.5	Clay		
RRMDD547	9.8	10.7	0.9	97.9	79.4	26.6	105.7	20.1	4.1	21.1	3.4	20.5	4.4	13.3	2.0	11.7	1.8	154.3	566.1	Clay		
RRMDD547	10.7	11.3	0.6	209.9	287.4	68.3	279.9	55.1	10.7	50.3	7.7	43.5	8.7	25.3	3.6	21.3	3.2	292.1	1366.9	Upper Saprolite		
RRMDD547	11.3	12.0	0.6	206.4	220.5	61.7	260.1	57.1	12.3	63.9	10.1	60.6	12.5	35.7	4.9	28.8	4.4	414.0	1453.0	Upper Saprolite		
RRMDD547	12.0	12.8	0.8	125.5	184.3	31.4	127.7	24.9	5.6	33.8	5.1	31.2	7.2	20.8	2.8	15.7	2.6	278.1	896.5	Upper Saprolite		
RRMDD547	12.8	13.6	0.8	98.7	189.2	22.0	82.3	13.5	2.6	12.9	1.7	9.7	2.3	6.7	0.9	5.1	0.9	125.3	573.9	Upper Saprolite		
RRMDD547	13.6	14.2	0.7	56.4	122.2	13.0	46.4	8.8	1.8	7.5	1.2	7.1	1.5	4.7	0.7	4.3	0.6	58.4	334.7	Lower Saprolite		
RRMDD547	14.2	14.9	0.7	73.4	162.8	17.4	64.4	12.1	2.5	10.1	1.6	9.8	2.0	6.0	1.0	6.2	0.9	59.8	429.9	Lower Saprolite	11.7	976
RRMDD547	14.9	15.9	1.0	65.8	147.4	15.2	53.5	9.6	1.9	7.5	1.0	5.7	1.1	3.2	0.5	3.0	0.5	35.7	351.5	Saprock		
RRMDD547	15.9	16.9	1.0	58.5	127.1	13.6	48.8	8.9	1.7	6.8	1.0	5.2	0.9	2.6	0.4	2.4	0.4	27.8	306.1	Saprock		
RRMDD548	0.0	2.0	2.0	69.4	585.9	13.4	41.4	6.9	1.3	5.2	1.0	5.7	1.1	3.4	0.6	3.9	0.6	31.7	771.5	Hardcap		
RRMDD548	2.0	3.9	2.0	63.1	617.9	13.0	43.5	7.2	1.3	5.5	0.9	5.6	1.2	3.6	0.6	4.0	0.6	35.4	803.5	Transition		
RRMDD548	3.9	4.7	0.7	66.7	154.8	11.4	36.2	6.1	1.1	4.9	0.8	4.9	1.0	3.1	0.5	3.6	0.6	27.8	323.5	Mottled		
RRMDD548	4.7	5.4	0.7	113.8	145.0	17.6	49.7	8.1	1.5	5.8	0.9	5.4	1.1	3.3	0.5	3.8	0.6	31.1	388.0	Mottled		
RRMDD548	5.4	6.5	1.1	43.3	45.2	9.5	33.5	5.8	1.2	5.9	0.9	5.8	1.2	4.0	0.6	4.4	0.7	45.8	207.7	Clay		
RRMDD548	6.5	7.4	0.9	44.6	50.5	10.3	37.1	7.2	1.4	7.1	1.1	7.0	1.5	4.7	0.7	5.1	0.7	49.7	228.8	Clay		
RRMDD548	7.4	8.2	0.9	59.0	64.7	12.9	45.8	8.6	1.6	8.4	1.3	8.2	1.8	5.4	0.8	5.8	0.9	63.0	288.3	Clay		
RRMDD548	8.2	9.2	0.9	117.2	108.8	21.3	71.3	12.6	2.4	11.4	1.7	10.0	2.1	6.4	0.9	6.3	0.9	74.2	447.4	Clay		
RRMDD548	9.2	10.1	0.9	95.5	101.2	22.0	76.0	14.0	2.6	11.9	1.7	10.2	2.1	6.1	0.9	6.0	0.9	71.1	422.2	Clay		
RRMDD548	10.1	10.7	0.6	96.3	106.4	25.0	85.7	15.7	2.8	12.3	1.8	10.1	2.1	6.1	0.9	5.9	0.9	71.5	443.2	Clay		
RRMDD548	10.7	11.3	0.6	109.1	145.6	35.6	124.8	23.3	4.0	15.7	2.2	12.3	2.3	6.5	1.0	6.1	0.9	77.6	567.1	Clay		
RRMDD548	11.3	12.4	1.0	430.4	439.8	103.9	355.8	64.8	11.1	40.5	5.3	27.0	4.4	11.5	1.6	9.6	1.3	124.7	1631.6	Clay		
RRMDD548	12.4	13.4	1.1	155.4	194.1	23.8	73.7	12.1	2.2	9.9	1.4	8.5	1.8	5.3	0.8	5.3	0.8	60.7	555.8	Clay		
RRMDD548	13.4	14.3	0.9	113.2	197.8	37.2	133.0	25.7	4.6	17.4	2.5	13.9	2.7	7.7	1.1	7.1	1.0	80.5	645.2	Clay		
RRMDD548	14.3	15.1	0.9	109.3	189.8	31.4	111.0	20.5	3.7	15.1	2.2	12.2	2.3	6.6	1.0	6.3	0.9	73.4	585.6	Upper Saprolite		
RRMDD548	15.1	16.0	0.9	110.5	185.5	35.0	125.4	23.7	4.4	16.8	2.4	13.3	2.4	6.7	1.0	6.6	0.9	70.0	604.4	Upper Saprolite		
RRMDD548	16.0	16.9	0.9	109.7	160.9	31.2	113.4	23.0	4.4	18.8	2.8	16.7	3.2	9.1	1.3	8.6	1.3	91.7	596.0	Upper Saprolite		
RRMDD548	16.9	17.9	1.0	131.9	167.1	41.8	159.2	32.1	6.3	26.3	3.9	21.6	4.1	11.1	1.6	10.2	1.4	111.8	730.5	Upper Saprolite		
RRMDD548	17.9	18.4	0.6	122.0	170.7	33.6	124.2	26.6	5.4	23.7	3.6	22.0	4.2	12.0	1.7	11.0	1.6	121.1	683.4	Upper Saprolite		
RRMDD548	18.4	19.0	0.6	731.8	620.3	210.8	828.1	176.8	37.9	205.2	29.5	176.2	36.9	103.3	13.8	77.9	11.7	1422.3	4682.5	Upper Saprolite		
RRMDD548	19.0	19.9	0.9	248.6	230.3	46.5	186.0	33.6	7.1	39.8	5.2	30.9	6.7	19.6	2.6	15.3	2.4	323.8	1198.6	Lower Saprolite	15.2	761
RRMDD548	19.9	20.9	1.0	78.1	148.6	18.5	67.2	12.6	2.6	11.3	1.6	9.3	1.9	5.7	0.8	5.4	0.8	76.8	441.4	Saprock		
RRMDD548	20.9	21.9	1.0	67.6	141.9	15.6	54.8	10.1	2.1	8.0	1.2	6.9	1.4	4.2	0.6	4.1	0.6	48.1	367.1	Saprock		
RRMDD548	21.9	22.9	1.0	64.7	141.3	15.6	53.7	9.7	1.9	7.7	1.1	6.0	1.1	3.4	0.5	3.1	0.5	36.3	346.5	Saprock		
RRMDD548	22.9	23.9	1.0	66.1	145.0	16.0	54.9	10.1	2.0	7.9	1.1	6.5	1.3	3.6	0.5	3.4	0.5	40.6	359.7	Saprock		
RRMDD548	23.9	24.9	1.0	65.2	143.7	16.0	54.9	10.3	2.1	7.9	1.1	6.3	1.2	3.5	0.5	3.6	0.5	38.4	355.4	Saprock		
RRMDD549	0.0	1.5	1.5	122.0	603.1	22.6	76.4	12.6	2.0	8.2	1.4	7.7	1.5	4.4	0.7	4.5	0.7	42.7	910.5	Hardcap		
RRMDD549	1.5	3.0	1.5	94.8	782.5	16.6	53.9	9.7	1.7	7.7	1.3	7.7	1.4	4.3	0.7	4.6	0.7	38.2	1025.7	Hardcap		
RRMDD549	3.0	3.6	0.7	164.8	407.8	29.6	98.1	16.9	3.0	15.4	2.3	13.7	2.9	8.4	1.3	7.9	1.3	99.1	872.4	Mottled		
RRMDD549	3.6	4.3	0.7	77.3	111.5	24.6	101.2	21.2	4.1	21.4	3.4	20.9	4.5	13.2	2.0	12.0	1.9	164.5	583.7	Mottled		
RRMDD549	4.3	5.2	0.9	71.5	100.6	26.2	112.8	24.0	4.8	25.2	4.0	24.6	5.4	15.5	2.3	13.6	2.2	198.1	630.9	Clay		
RRMDD549	5.2	6.0	0.9	83.7	117.8	29.8	125.4	26.3	5.3	26.7	4.2	25.0	5.4	15.5	2.4	13.5	2.2	193.7	676.9	Clay		
RRMDD549	6.0	6.9	0.9	72.7	142.5	27.3	114.7	23.1	4.5	23.1	3.6	21.5	4.7	13.3	2.0	11.6	1.9	173.3	639.7	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD549	6.9	7.7	0.9	218.1	501.2	96.4	390.7	76.8	14.1	61.8	9.4	53.5	11.1	31.7	4.6	27.3	4.3	430.5	1931.5	Clay		
RRMDD549	7.7	8.6	0.9	201.1	304.6	50.1	188.4	35.8	7.0	33.7	5.3	30.6	6.5	18.8	2.7	16.2	2.5	246.4	1149.8	Clay		
RRMDD549	8.6	9.4	0.9	520.7	517.2	107.8	358.1	55.8	10.5	47.5	6.8	37.0	7.1	19.4	2.7	16.5	2.5	226.7	1936.2	Clay		
RRMDD549	9.4	10.3	0.9	704.9	836.5	230.8	935.5	182.6	38.2	202.3	32.5	194.5	39.9	113.4	15.7	90.8	13.5	1253.4	4884.4	Pallid		
RRMDD549	10.3	11.2	0.9	165.4	308.3	54.2	237.9	50.8	10.5	52.1	8.3	47.9	9.7	27.9	3.9	23.0	3.5	308.6	1312.0	Pallid		
RRMDD549	11.2	12.1	0.9	213.4	315.7	59.7	254.3	61.7	14.6	85.8	14.8	93.5	20.3	59.1	8.1	47.1	7.1	651.5	1906.8	Pallid		
RRMDD549	12.1	13.0	0.9	105.7	226.0	35.0	151.0	31.8	6.3	28.8	4.4	24.8	5.0	14.0	2.0	12.4	1.8	152.4	801.4	Pallid		
RRMDD549	13.0	13.7	0.6	101.7	205.8	36.7	182.5	53.0	13.3	78.8	13.6	86.1	19.0	55.2	7.7	45.9	7.1	652.7	1559.1	Upper Saprolite	10.7	1489
RRMDD549	13.7	14.5	0.9	73.8	155.4	18.9	74.9	14.1	3.0	15.2	2.2	12.9	2.8	8.1	1.1	6.4	1.1	115.4	505.3	Saprock		
RRMDD549	14.5	15.4	0.9	59.1	130.8	14.1	50.0	9.3	2.0	8.0	1.2	6.5	1.3	3.6	0.5	3.3	0.5	37.8	328.1	Saprock		
RRMDD549	15.4	16.2	0.9	59.2	130.2	13.8	49.7	9.0	2.0	7.6	1.1	6.1	1.2	3.3	0.5	2.9	0.5	34.7	321.9	Saprock		
RRMDD550	0.0	1.3	1.3	105.4	340.3	17.8	52.6	8.4	1.6	6.0	1.0	5.9	1.1	3.4	0.5	3.4	0.5	33.5	581.6	Hardcap		
RRMDD550	1.3	1.7	0.4	85.0	171.4	15.9	52.6	9.0	1.5	7.2	1.0	6.1	1.2	3.6	0.5	3.7	0.6	35.3	394.7	Transition		
RRMDD550	1.7	2.7	1.0	49.5	78.4	9.8	33.8	6.2	1.0	5.1	0.8	5.0	1.0	3.2	0.5	3.3	0.5	30.9	229.1	Mottled		
RRMDD550	2.7	3.7	1.0	66.7	138.2	12.9	42.7	7.9	1.3	6.4	1.0	6.0	1.3	3.8	0.6	3.6	0.5	36.6	329.4	Mottled		
RRMDD550	3.7	4.7	1.0	103.8	157.2	21.0	70.0	13.6	2.1	10.1	1.5	8.4	1.7	4.6	0.7	4.2	0.6	42.3	441.9	Mottled		
RRMDD550	4.7	5.7	1.0	156.0	497.5	35.0	120.1	22.0	3.6	17.5	2.6	14.7	2.8	7.8	1.1	6.5	0.9	80.5	968.8	Mottled		
RRMDD550	5.7	6.6	0.9	279.1	689.1	74.5	265.9	51.7	8.7	40.1	5.9	32.4	6.0	15.9	2.2	12.4	1.7	175.2	1660.9	Clay		
RRMDD550	6.6	7.5	0.9	273.3	396.8	81.2	306.8	63.0	10.9	53.1	7.7	42.7	8.0	20.6	2.8	15.6	2.0	214.6	1498.9	Clay		
RRMDD550	7.5	8.5	0.9	252.2	395.5	72.9	268.3	53.7	8.7	40.0	5.6	28.5	5.0	12.6	1.7	9.1	1.2	126.9	1281.7	Clay		
RRMDD550	8.5	9.4	0.9	281.5	443.5	86.3	330.1	69.3	11.8	55.0	7.8	40.3	7.0	17.3	2.2	12.3	1.6	172.7	1538.4	Clay		
RRMDD550	9.4	10.3	0.9	319.0	469.2	94.1	358.1	73.8	12.4	56.8	8.1	42.4	7.4	19.2	2.4	13.6	1.8	193.0	1671.3	Clay		
RRMDD550	10.3	11.3	0.9	192.3	332.9	48.2	169.7	32.4	5.4	25.2	3.6	19.3	3.5	9.0	1.2	7.0	0.9	96.3	947.0	Clay		
RRMDD550	11.3	12.2	0.9	175.9	305.9	44.0	163.3	31.3	5.3	27.4	3.9	22.6	4.2	11.2	1.5	8.3	1.1	125.1	931.1	Upper Saprolite		
RRMDD550	12.2	13.1	1.0	85.3	151.1	20.1	73.8	14.3	2.8	15.3	2.5	15.1	3.2	9.4	1.3	7.9	1.2	102.4	505.6	Lower Saprolite		
RRMDD550	13.1	14.1	0.9	88.7	154.2	21.7	80.7	16.4	3.3	18.6	3.0	18.1	3.9	11.1	1.5	9.2	1.3	121.1	552.9	Lower Saprolite		
RRMDD550	14.1	14.7	0.7	96.3	157.2	26.0	104.7	25.3	5.5	33.8	5.6	35.7	7.6	21.7	2.9	17.4	2.5	236.8	779.1	Lower Saprolite	11.1	1067
RRMDD550	14.7	15.4	0.7	87.8	145.6	21.5	85.1	19.0	4.2	28.8	4.7	30.3	7.0	20.4	2.7	15.6	2.3	245.1	720.2	Saprock		
RRMDD550	15.4	16.2	0.8	106.3	184.3	26.2	111.7	26.4	5.9	36.1	5.7	36.3	7.7	21.4	2.6	13.7	2.1	297.2	883.5	Saprock		
RRMDD550	16.2	17.0	0.8	63.6	127.1	14.1	47.9	7.9	1.5	6.7	0.9	5.1	1.1	3.1	0.4	2.6	0.4	57.4	339.9	Saprock		
RRMDD550	17.0	17.9	0.8	75.2	149.3	18.0	67.9	13.5	2.8	15.7	2.3	13.5	2.9	8.5	1.0	5.5	0.8	147.9	524.7	Saprock		
RRMDD550	17.9	18.7	0.8	65.1	127.8	14.5	48.2	8.1	1.5	6.9	1.0	5.8	1.2	3.1	0.5	2.7	0.4	51.0	337.6	Saprock		
RRMDD551	0.0	1.9	1.9	81.5	298.5	16.0	51.1	8.7	1.5	6.6	1.1	6.4	1.3	4.0	0.7	4.3	0.7	36.8	519.3	Hardcap		
RRMDD551	1.9	3.9	1.9	82.8	834.1	17.6	58.0	10.4	1.7	7.6	1.3	7.5	1.6	4.6	0.7	5.0	0.8	44.8	1078.4	Transition		
RRMDD551	3.9	4.6	0.7	71.1	99.7	13.3	44.3	7.8	1.4	6.5	1.0	6.3	1.3	4.2	0.7	4.8	0.8	43.4	306.6	Mottled		
RRMDD551	4.6	5.3	0.7	60.5	101.8	12.1	40.8	7.5	1.4	6.5	1.0	6.3	1.4	4.2	0.7	4.7	0.7	44.6	294.2	Mottled		
RRMDD551	5.3	6.0	0.7	85.8	155.4	19.9	68.0	12.6	2.2	9.7	1.5	8.6	1.7	5.1	0.8	5.3	0.8	53.6	431.0	Mottled		
RRMDD551	6.0	6.7	0.7	169.5	130.8	44.3	156.9	28.9	5.1	19.8	2.7	14.6	2.8	7.5	1.1	7.1	1.0	76.4	668.5	Mottled		
RRMDD551	6.7	7.4	0.7	343.6	244.5	58.7	172.0	25.4	4.4	16.4	2.2	11.6	2.0	5.7	0.8	5.6	0.8	60.3	954.1	Clay		
RRMDD551	7.4	8.1	0.7	246.3	193.5	44.9	135.9	20.9	3.6	14.1	2.0	10.8	2.0	5.6	0.8	5.4	0.8	61.0	747.6	Clay		
RRMDD551	8.1	8.8	0.7	266.2	211.9	57.3	189.0	32.5	5.5	22.4	3.2	16.8	2.9	8.1	1.1	7.3	1.0	81.1	906.2	Clay		
RRMDD551	8.8	9.6	0.8	181.8	210.7	58.5	231.5	45.3	8.0	33.9	4.8	25.1	4.4	12.0	1.5	9.8	1.4	113.0	941.8	Pallid		
RRMDD551	9.6	10.5	0.9	163.0	210.7	48.7	188.4	36.1	6.5	26.0	3.7	18.3	3.2	8.3	1.2	7.3	1.0	81.9	804.3	Pallid		
RRMDD551	10.5	11.3	0.9	198.2	219.3	56.7	218.1	41.7	7.6	32.6	4.7	24.2	4.5	11.7	1.6	10.1	1.4	116.2	948.6	Pallid		
RRMDD551	11.3	12.2	0.9	127.8	193.5	38.9	159.8	32.9	6.2	30.1	4.6	25.5	5.1	14.5	2.0	12.4	1.8	155.6	810.6	Clay		
RRMDD551	12.2	13.1	0.9	119.0	181.8	37.3	154.0	30.8	5.8	27.8	4.0	22.6	4.5	12.9	1.8	11.2	1.7	146.0	761.2	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD551	13.1	14.0	0.9	124.3	184.9	35.5	145.8	26.9	5.0	25.0	3.4	18.3	3.6	10.3	1.4	8.5	1.3	118.2	712.4	Clay	12.6	680
RRMDD551	14.0	14.8	0.9	88.3	149.3	21.4	82.0	15.4	3.0	15.6	2.2	12.6	2.6	7.1	1.0	6.5	1.0	87.9	495.9	Upper Saprolite		
RRMDD551	14.8	15.7	0.8	84.2	151.7	20.1	78.0	14.3	2.9	15.3	2.1	12.5	2.7	7.8	1.1	6.9	1.1	96.5	497.2	Lower Saprolite		
RRMDD551	15.7	16.5	0.8	80.0	146.2	18.7	72.6	13.4	2.8	16.2	2.3	13.9	3.3	9.7	1.2	7.1	1.2	146.7	535.2	Lower Saprolite		
RRMDD551	16.5	17.3	0.8	74.9	151.1	17.8	63.9	12.1	2.3	10.5	1.5	8.2	1.7	5.1	0.7	4.2	0.6	81.4	436.0	Saprock		
RRMDD551	17.3	18.2	0.9	61.1	130.8	14.4	51.3	9.6	1.9	8.1	1.2	7.2	1.4	4.1	0.6	4.0	0.6	51.0	347.4	Saprock		
RRMDD551	18.2	19.1	0.9	61.8	132.1	14.7	52.4	9.4	1.8	7.1	1.1	5.8	1.2	3.1	0.4	3.0	0.4	34.8	329.0	Saprock		
RRMDD551	19.1	20.1	0.9	62.0	132.7	14.6	52.4	9.7	1.9	7.3	1.1	6.3	1.3	3.5	0.5	3.2	0.5	37.8	334.8	Saprock		
RRMDD551	20.1	21.0	0.9	63.8	136.4	14.9	52.8	9.6	1.8	7.1	1.0	5.4	1.0	2.9	0.4	3.0	0.4	30.5	331.3	Saprock		
RRMDD552	0.0	1.9	1.9	88.1	266.6	16.1	50.3	8.7	1.6	6.4	1.0	6.2	1.3	3.7	0.6	4.0	0.6	33.5	488.5	Hardcap		
RRMDD552	1.9	2.5	0.6	90.0	654.7	18.0	57.6	10.2	1.8	7.2	1.2	7.0	1.4	4.0	0.7	4.4	0.7	35.7	894.6	Hardcap		
RRMDD552	2.5	3.1	0.6	110.5	321.8	21.4	70.9	12.2	2.1	8.5	1.3	7.8	1.5	4.6	0.7	4.7	0.7	43.2	612.1	Transition		
RRMDD552	3.1	3.7	0.6	130.8	230.3	29.4	102.9	17.3	2.9	11.1	1.5	7.9	1.5	4.0	0.6	4.1	0.6	38.6	583.4	Transition		
RRMDD552	3.7	4.6	0.9	171.8	255.5	51.5	203.5	36.9	6.0	22.4	2.7	12.7	2.0	5.2	0.7	4.4	0.7	47.5	823.4	Mottled		
RRMDD552	4.6	5.5	0.9	68.7	158.5	17.0	61.4	11.0	2.0	8.0	1.2	6.9	1.3	4.1	0.6	4.3	0.7	38.9	384.5	Mottled		
RRMDD552	5.5	6.3	0.9	108.0	176.3	23.2	77.8	12.6	2.2	8.6	1.4	7.3	1.4	4.3	0.7	4.5	0.7	42.0	471.0	Mottled		
RRMDD552	6.3	7.2	0.9	107.0	171.4	24.5	85.5	14.8	2.7	10.6	1.6	9.2	1.8	5.6	0.8	5.5	0.8	57.1	498.9	Mottled		
RRMDD552	7.2	7.9	0.7	103.6	162.1	24.0	87.4	16.6	3.0	14.3	2.2	12.4	2.5	7.3	1.1	6.7	1.0	84.2	528.3	Mottled		
RRMDD552	7.9	8.6	0.7	112.6	206.4	26.9	99.4	18.9	3.6	16.5	2.4	13.6	2.8	8.3	1.1	7.3	1.1	95.2	616.3	Mottled		
RRMDD552	8.6	9.3	0.7	114.0	183.6	26.0	93.0	16.5	3.0	13.3	1.9	10.8	2.2	6.6	0.9	6.1	0.9	71.2	550.2	Clay		
RRMDD552	9.3	10.2	0.9	111.7	205.8	27.1	102.4	20.8	3.7	17.2	2.6	13.9	2.7	8.0	1.1	7.2	1.0	94.7	619.9	Pallid		
RRMDD552	10.2	11.0	0.9	140.1	199.6	34.2	126.6	26.1	5.2	25.6	4.0	23.4	4.9	14.1	1.9	11.7	1.7	194.3	813.5	Pallid		
RRMDD552	11.0	11.8	0.8	129.6	164.0	27.2	96.1	18.1	3.5	16.8	2.6	14.4	3.0	8.2	1.1	7.5	1.1	111.5	604.7	Pallid		
RRMDD552	11.8	12.5	0.8	87.8	147.4	20.8	76.5	15.0	3.0	13.5	2.1	11.9	2.3	6.8	1.0	6.2	0.9	72.1	467.5	Clay		
RRMDD552	12.5	13.4	0.9	96.2	162.8	35.9	156.3	38.8	8.1	39.1	6.3	35.6	7.1	19.6	2.6	16.7	2.4	198.1	825.6	Clay		
RRMDD552	13.4	14.2	0.8	97.1	151.1	28.0	114.2	26.6	5.3	26.2	4.0	22.8	4.5	13.0	1.8	11.3	1.7	134.0	641.5	Clay		
RRMDD552	14.2	15.0	0.8	76.5	125.3	21.5	86.2	19.0	3.9	19.6	3.0	18.3	3.6	10.6	1.6	9.5	1.4	113.1	513.1	Clay		
RRMDD552	15.0	15.9	0.8	88.5	145.0	28.4	123.1	29.9	6.4	32.2	5.1	29.6	5.9	16.8	2.3	14.6	2.1	168.3	698.1	Clay		
RRMDD552	15.9	16.7	0.8	88.7	147.4	30.9	136.5	34.9	7.3	40.7	6.1	37.0	7.6	21.4	3.0	18.6	2.7	220.3	803.0	Clay		
RRMDD552	16.7	17.3	0.6	95.3	157.8	34.4	152.2	38.3	8.0	46.2	7.1	43.2	9.0	25.8	3.6	22.1	3.3	273.0	919.5	Clay		
RRMDD552	17.3	17.8	0.6	96.4	157.2	33.1	148.1	34.2	7.1	43.1	6.5	39.0	8.4	24.8	3.4	20.3	3.1	275.6	900.3	Clay		
RRMDD552	17.8	18.7	0.9	86.0	144.3	26.0	110.9	21.9	4.6	29.4	4.2	24.9	5.8	17.2	2.3	13.8	2.2	234.3	727.7	Upper Saprolite		
RRMDD552	18.7	19.6	0.9	73.7	132.1	16.5	62.6	11.2	2.2	11.2	1.5	8.8	2.0	5.8	0.8	4.7	0.8	110.9	444.5	Saprock		
RRMDD552	19.6	20.7	1.1	61.3	125.9	14.4	51.2	9.8	1.8	7.6	1.1	6.0	1.2	3.5	0.5	3.3	0.5	36.1	324.1	Saprock		
RRMDD552	20.7	21.7	1.1	65.8	136.4	15.3	54.0	10.0	2.0	7.8	1.2	6.4	1.3	3.7	0.5	3.4	0.5	39.4	347.6	Saprock		
RRMDD552	21.7	22.3	0.6	65.7	137.6	15.6	54.0	9.8	2.0	7.7	1.1	6.1	1.2	3.3	0.5	3.1	0.5	35.2	343.4	Saprock		
RRMDD553	0.0	1.5	1.5	140.7	493.8	25.0	75.1	11.3	2.0	7.3	1.2	6.9	1.3	3.9	0.6	4.1	0.6	34.4	808.4	Hardcap		
RRMDD553	1.5	3.0	1.5	122.0	492.6	22.1	67.7	11.0	1.9	7.1	1.2	6.7	1.3	3.7	0.6	4.1	0.6	34.3	777.0	Transition		
RRMDD553	3.0	3.8	0.8	103.4	459.4	21.0	68.5	12.1	2.0	9.6	1.5	8.9	1.8	5.3	0.8	5.5	0.8	55.4	756.1	Transition		
RRMDD553	3.8	4.7	0.9	72.2	72.7	14.1	46.8	8.2	1.4	6.9	1.0	6.6	1.3	4.2	0.6	4.4	0.7	42.2	283.3	Mottled		
RRMDD553	4.7	5.7	0.9	134.9	110.8	24.2	80.0	13.1	2.3	10.3	1.5	9.0	1.8	4.9	0.8	5.2	0.8	54.4	453.9	Clay		
RRMDD553	5.7	6.6	0.9	97.6	66.7	20.5	70.5	12.5	2.2	10.3	1.5	9.3	1.9	5.3	0.8	5.4	0.8	59.3	364.5	Clay		
RRMDD553	6.6	7.6	0.9	143.7	115.0	28.6	96.1	16.6	2.9	12.4	1.8	10.3	2.0	5.5	0.8	5.4	0.8	61.0	502.7	Clay		
RRMDD553	7.6	8.5	0.9	93.6	336.6	23.7	83.9	15.9	2.8	12.4	1.8	10.5	2.1	5.8	0.9	5.7	0.9	63.4	659.9	Clay		
RRMDD553	8.5	9.5	0.9	108.1	91.9	26.5	92.6	16.9	3.0	13.7	1.9	11.3	2.2	5.9	0.9	5.8	0.8	65.7	447.1	Clay		
RRMDD553	9.5	10.1	0.7	118.5	1492.5	25.1	87.1	17.1	3.2	13.7	2.1	11.1	2.1	5.8	0.8	5.8	0.9	52.8	1838.6	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD553	10.1	10.8	0.6	30.7	36.4	8.6	32.3	6.4	1.3	6.2	1.0	6.0	1.3	3.9	0.6	4.3	0.6	40.5	180.1	Clay		
RRMDD553	10.8	11.6	0.8	38.4	25.8	10.3	38.0	7.5	1.4	6.9	1.1	6.5	1.4	4.0	0.6	4.3	0.6	43.3	190.0	Clay		
RRMDD553	11.6	12.4	0.8	65.8	108.0	13.4	47.8	9.1	1.7	8.1	1.3	7.6	1.5	4.5	0.7	4.8	0.7	46.4	321.4	Clay		
RRMDD553	12.4	13.2	0.8	135.5	112.9	42.2	152.2	29.7	5.2	22.1	3.2	17.8	3.4	9.4	1.4	8.4	1.2	100.6	645.1	Clay		
RRMDD553	13.2	14.0	0.8	141.9	124.7	45.3	165.6	31.5	5.6	24.2	3.4	19.5	3.7	9.8	1.4	9.1	1.3	112.9	700.1	Clay		
RRMDD553	14.0	14.8	0.8	80.5	457.0	21.6	79.1	15.7	2.8	13.0	2.0	11.2	2.2	6.3	1.0	6.2	0.9	66.7	766.0	Clay		
RRMDD553	14.8	15.7	0.9	178.9	141.3	58.8	215.8	42.6	7.7	33.1	4.8	27.0	5.1	14.1	1.9	11.4	1.7	162.5	906.4	Clay		
RRMDD553	15.7	16.6	0.9	192.9	143.1	62.3	230.4	44.1	8.0	33.9	4.9	28.5	5.3	15.2	2.0	12.4	1.8	182.9	967.6	Clay		
RRMDD553	16.6	17.5	0.9	144.3	126.5	44.7	163.3	31.3	5.8	25.1	3.6	19.9	3.9	10.8	1.5	9.4	1.4	126.0	717.4	Clay		
RRMDD553	17.5	18.4	0.9	162.4	129.6	52.4	198.3	39.2	7.4	31.1	4.6	25.2	4.7	12.9	1.7	10.5	1.5	149.8	831.4	Clay		
RRMDD553	18.4	19.3	0.9	144.3	129.6	43.0	162.1	31.1	6.1	27.2	4.0	22.6	4.5	12.4	1.6	10.1	1.5	154.3	754.3	Clay		
RRMDD553	19.3	20.2	0.9	139.6	131.4	39.6	148.1	28.1	5.4	25.5	3.8	21.5	4.3	12.3	1.6	10.1	1.5	150.5	723.2	Clay		
RRMDD553	20.2	21.1	0.9	256.8	217.4	52.8	190.1	35.4	6.9	32.5	4.7	26.5	5.1	13.9	1.8	11.1	1.6	172.7	1029.3	Clay		
RRMDD553	21.1	22.0	0.9	149.5	165.2	43.6	176.7	32.4	5.9	27.5	4.1	22.9	4.8	13.3	1.8	11.0	1.7	167.0	827.4	Clay		
RRMDD553	22.0	22.9	0.9	139.0	212.5	36.2	137.6	25.7	5.2	23.5	3.6	21.8	4.3	12.5	1.7	10.4	1.5	154.3	789.8	Clay		
RRMDD553	22.9	23.8	1.0	254.5	298.5	59.1	217.5	40.2	7.9	30.0	4.2	21.7	3.5	9.0	1.2	7.5	1.0	94.4	1050.2	Clay		
RRMDD553	23.8	24.8	1.0	60.9	70.5	16.3	60.0	11.1	2.1	8.9	1.3	7.3	1.4	3.9	0.6	3.8	0.6	39.5	288.2	Upper Saprolite	21.0	670
RRMDD553	24.8	25.7	0.9	58.2	102.3	13.1	43.6	7.2	1.4	5.0	0.7	4.2	0.8	2.6	0.4	2.8	0.4	24.0	266.9	Upper Saprolite		
RRMDD553	25.7	26.7	1.0	69.0	122.3	14.8	47.0	7.7	1.5	4.8	0.7	3.2	0.6	1.7	0.3	1.8	0.3	16.3	291.8	Upper Saprolite		
RRMDD553	26.7	27.6	0.9	49.5	92.7	10.9	35.2	5.8	1.1	3.6	0.5	2.6	0.5	1.4	0.2	1.7	0.3	14.9	221.0	Upper Saprolite		
RRMDD553	27.6	28.6	0.9	73.2	156.0	19.9	80.1	16.0	3.6	15.2	2.5	15.4	3.3	9.8	1.3	8.5	1.3	118.1	524.3	Lower Saprolite		
RRMDD553	28.6	29.5	1.0	77.4	165.8	18.4	65.4	12.6	2.9	13.4	2.1	13.3	2.8	8.3	1.1	7.2	1.0	102.0	493.8	Lower Saprolite		
RRMDD553	29.5	30.5	0.9	80.0	181.2	19.2	68.9	12.3	2.6	9.7	1.4	7.5	1.4	3.9	0.5	3.6	0.5	40.9	433.8	Lower Saprolite	2.8	484
RRMDD553	30.5	31.4	0.9	52.3	89.1	12.1	40.9	7.5	1.4	5.4	0.8	4.2	0.8	2.5	0.4	2.6	0.4	25.3	245.8	Lower Saprolite		
RRMDD553	31.4	32.2	0.8	46.7	97.0	10.3	33.2	5.4	1.1	4.0	0.6	3.2	0.6	1.9	0.3	2.0	0.3	18.9	225.5	Lower Saprolite		
RRMDD553	32.2	32.9	0.8	71.2	168.3	15.2	51.9	7.7	1.5	5.6	0.8	4.2	0.9	2.6	0.4	2.8	0.4	29.1	362.7	Lower Saprolite		
RRMDD553	32.9	33.7	0.8	54.7	127.8	13.4	47.5	9.0	2.0	7.4	1.1	6.4	1.2	3.7	0.5	3.8	0.5	38.2	317.2	Lower Saprolite		
RRMDD553	33.7	34.2	0.5	46.4	107.2	12.9	47.6	9.2	2.0	8.1	1.4	8.8	2.0	6.7	1.2	9.3	1.4	56.8	321.0	Lower Saprolite		
RRMDD553	34.2	35.1	0.9	74.6	175.0	17.6	62.5	10.2	2.0	7.3	1.1	6.8	1.4	4.1	0.7	4.3	0.7	42.4	410.7	Lower Saprolite	1.4	378
RRMDD553	35.1	36.0	0.9	58.3	127.1	13.2	44.6	6.9	1.3	4.4	0.6	3.5	0.7	2.0	0.3	2.2	0.4	19.6	284.8	Lower Saprolite		
RRMDD553	36.0	36.8	0.9	64.5	144.3	14.6	48.3	8.2	1.6	6.2	0.9	5.0	0.9	2.7	0.4	2.8	0.4	29.3	330.1	Lower Saprolite		
RRMDD553	36.8	37.7	0.9	60.8	133.3	13.4	43.7	7.0	1.5	5.5	0.8	4.1	0.8	2.5	0.4	2.4	0.4	26.5	302.9	Lower Saprolite		
RRMDD553	37.7	38.6	0.9	59.9	140.7	15.3	54.1	10.1	2.1	8.1	1.2	7.1	1.4	3.9	0.5	3.7	0.5	42.7	351.2	Lower Saprolite	0.9	351
RRMDD553	38.6	39.5	0.9	50.3	91.8	12.3	42.1	7.6	1.5	5.9	0.9	5.1	1.0	3.0	0.5	3.0	0.4	31.6	256.8	Saprock		
RRMDD553	39.5	40.3	0.9	43.7	75.8	10.0	33.9	5.5	1.1	4.4	0.6	3.6	0.7	2.3	0.3	2.3	0.4	22.4	207.1	Saprock		
RRMDD553	40.3	41.2	0.9	63.1	137.6	14.2	48.5	8.2	1.6	5.5	0.8	4.7	0.9	2.5	0.4	2.7	0.4	26.9	318.1	Saprock		
RRMDD553	41.2	42.1	0.9	56.2	125.3	11.5	38.6	5.5	1.0	3.9	0.5	3.0	0.6	2.0	0.3	2.3	0.4	19.8	270.9	Saprock		
RRMDD553	42.1	43.0	0.9	67.4	165.8	22.7	93.8	18.8	3.9	15.6	2.3	13.7	2.9	8.0	1.1	6.6	0.9	87.6	511.2	Saprock		
RRMDD553	43.0	44.0	1.0	50.4	110.8	10.6	36.6	5.6	1.1	3.9	0.6	3.1	0.6	1.8	0.3	2.0	0.3	18.4	246.1	Saprock		
RRMDD554	0.0	2.0	2.0	115.2	319.4	21.8	68.8	11.1	2.0	8.1	1.3	7.8	1.6	4.7	0.7	4.8	0.8	45.8	614.0	Hardcap		
RRMDD554	2.0	4.1	2.0	93.9	592.1	17.1	51.9	7.9	1.4	5.6	1.0	5.6	1.1	3.3	0.5	3.7	0.6	31.2	817.0	Hardcap		
RRMDD554	4.1	6.0	1.9	173.0	780.0	32.1	98.7	15.5	2.6	10.2	1.6	8.9	1.7	4.8	0.7	4.9	0.7	46.1	1181.7	Transition		
RRMDD554	6.0	6.9	0.9	124.3	265.3	22.1	70.2	11.7	2.1	9.7	1.5	9.1	1.9	5.6	0.9	5.8	0.9	56.1	587.2	Mottled		
RRMDD554	6.9	7.7	0.9	91.8	232.8	19.8	65.8	11.4	2.0	9.2	1.4	8.4	1.8	5.2	0.8	5.7	0.8	53.8	510.9	Clay		
RRMDD554	7.7	8.6	0.9	98.3	232.2	21.4	70.9	12.3	2.1	9.7	1.5	9.0	1.8	5.3	0.8	5.5	0.9	55.0	526.7	Clay		
RRMDD554	8.6	9.6	1.0	105.4	372.2	27.2	91.2	16.0	2.7	12.4	1.7	10.2	2.0	5.7	0.9	5.8	0.9	60.2	714.5	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD554	9.6	10.6	1.0	83.3	315.7	20.5	69.2	11.9	2.1	9.3	1.3	7.9	1.6	4.4	0.7	4.8	0.7	48.3	581.6	Clay		
RRMDD554	10.6	11.6	1.0	128.4	140.7	32.7	111.3	18.3	3.2	14.2	2.1	12.0	2.4	6.6	1.0	6.6	1.0	73.7	554.2	Clay		
RRMDD554	11.6	12.6	1.0	201.1	168.3	59.7	194.8	32.4	5.2	21.3	2.9	16.5	3.1	8.5	1.3	8.0	1.2	95.1	819.3	Clay		
RRMDD554	12.6	13.3	0.7	209.9	355.0	62.3	203.5	34.6	5.6	20.8	2.8	15.0	2.7	7.0	1.0	6.4	0.9	73.3	1000.9	Clay		
RRMDD554	13.3	14.0	0.7	363.6	234.6	68.3	203.5	32.9	5.6	23.3	3.1	16.3	2.7	6.5	0.9	5.9	0.8	66.5	1034.7	Clay		
RRMDD554	14.0	14.4	0.5	255.7	235.2	84.9	328.9	64.8	12.5	61.5	9.6	58.4	12.2	34.9	5.1	30.6	4.5	407.6	1606.6	Clay		
RRMDD554	14.4	15.1	0.7	744.7	308.3	192.7	794.3	154.8	32.1	187.9	27.4	169.3	36.5	102.8	14.2	83.7	12.4	1390.5	4251.7	Upper Saprolite		
RRMDD554	15.1	15.8	0.7	122.0	147.4	24.0	84.2	13.6	2.8	15.8	2.1	12.8	2.9	7.9	1.1	6.6	1.0	119.8	564.1	Upper Saprolite		
RRMDD554	15.8	16.3	0.5	74.4	134.5	15.1	51.3	9.1	1.8	8.0	1.1	6.1	1.3	3.5	0.6	3.4	0.5	49.0	359.6	Lower Saprolite	10	945
RRMDD555	0.0	1.5	1.5	173.6	556.5	32.3	94.4	14.0	2.4	9.0	1.5	9.2	1.8	5.0	0.8	5.3	0.8	44.3	950.8	Hardcap		
RRMDD555	1.5	3.0	1.5	209.9	585.9	40.2	120.7	17.7	3.0	11.5	1.9	10.4	2.0	5.6	0.9	6.2	0.9	47.1	1064.1	Hardcap		
RRMDD555	3.0	4.5	1.5	246.3	719.8	50.7	156.9	23.1	3.8	14.1	2.2	11.9	2.2	6.0	0.9	6.2	0.8	49.3	1294.2	Hardcap		
RRMDD555	4.5	5.5	0.9	72.1	132.7	17.0	60.9	11.7	2.2	11.4	1.7	11.0	2.3	7.1	1.0	6.0	0.9	79.5	417.5	Mottled		
RRMDD555	5.5	6.3	0.9	418.7	708.8	100.0	395.4	84.4	16.0	71.1	9.0	42.6	6.7	15.6	1.7	9.8	1.4	162.5	2043.8	Mottled		
RRMDD555	6.3	7.2	0.9	105.4	192.2	26.8	98.6	19.9	3.8	18.7	2.7	16.9	3.4	10.0	1.3	8.4	1.2	117.3	626.8	Clay		
RRMDD555	7.2	8.1	0.9	140.1	189.2	32.9	117.2	22.2	4.2	19.9	3.0	18.0	3.6	10.6	1.4	8.7	1.3	119.8	692.0	Clay		
RRMDD555	8.1	8.9	0.9	231.6	245.1	48.0	155.1	29.6	5.3	23.3	3.5	20.5	3.9	11.3	1.5	9.1	1.3	124.6	913.7	Clay		
RRMDD555	8.9	9.7	0.8	123.1	189.2	34.6	123.1	24.5	4.4	19.8	3.1	18.7	3.8	11.1	1.5	9.3	1.4	123.6	691.1	Clay		
RRMDD555	9.7	10.3	0.7	114.2	173.2	28.3	102.8	19.7	3.8	17.5	2.6	16.4	3.4	10.1	1.4	8.9	1.4	112.6	616.3	Clay		
RRMDD555	10.3	11.0	0.7	154.2	180.6	40.5	140.6	27.4	4.9	20.6	3.2	17.7	3.4	9.8	1.3	7.9	1.1	105.1	718.4	Clay		
RRMDD555	11.0	11.9	0.9	110.6	143.7	26.9	95.5	18.7	3.5	15.7	2.4	13.4	2.6	7.5	1.0	6.2	0.9	82.2	531.0	Clay		
RRMDD555	11.9	12.8	0.9	89.4	127.1	23.3	82.2	16.8	3.1	13.3	2.0	11.5	2.2	6.5	0.9	5.6	0.8	67.4	452.2	Clay		
RRMDD555	12.8	13.8	1.0	74.7	139.4	23.1	85.5	17.5	3.3	13.5	2.0	11.2	2.1	5.9	0.8	5.1	0.8	61.7	446.6	Clay	9.3	736
RRMDD555	13.8	14.7	0.8	26.2	85.1	6.3	23.4	4.9	1.0	4.7	0.8	5.4	1.3	4.2	0.6	4.2	0.6	41.5	210.3	Upper Saprolite		
RRMDD555	14.7	15.5	0.8	28.6	52.0	7.3	25.9	5.1	1.1	4.4	0.7	4.6	1.0	3.4	0.5	3.3	0.5	33.0	171.4	Upper Saprolite		
RRMDD555	15.5	16.5	1.0	27.6	60.1	7.0	25.2	5.1	1.1	4.6	0.8	5.0	1.1	3.4	0.5	3.7	0.5	33.1	178.7	Upper Saprolite		
RRMDD555	16.5	17.5	1.0	22.5	94.7	6.0	21.9	4.6	1.1	4.5	0.8	5.4	1.2	3.7	0.6	4.0	0.6	36.6	208.1	Upper Saprolite		
RRMDD555	17.5	18.5	1.0	22.9	129.6	6.0	22.2	4.8	1.0	4.6	0.8	5.4	1.2	3.8	0.6	4.0	0.6	37.8	245.3	Upper Saprolite		
RRMDD555	18.5	19.5	1.0	22.5	57.2	6.6	24.1	5.0	1.1	4.4	0.7	4.6	1.0	3.2	0.5	3.2	0.5	30.2	164.9	Upper Saprolite		
RRMDD555	19.5	20.5	1.0	22.0	210.1	6.2	22.5	4.9	1.0	4.6	0.8	4.9	1.1	3.6	0.6	3.6	0.5	34.0	320.6	Upper Saprolite		
RRMDD555	20.5	21.5	1.0	19.5	30.1	5.3	19.6	4.2	0.9	3.7	0.6	4.3	1.0	3.1	0.5	3.3	0.5	30.1	126.6	Lower Saprolite		
RRMDD555	21.5	22.5	1.0	31.4	55.2	8.6	30.0	6.0	1.3	5.0	0.8	5.1	1.1	3.2	0.5	3.3	0.5	32.5	184.5	Lower Saprolite		
RRMDD555	22.5	23.5	1.0	23.2	39.1	5.9	21.7	4.3	1.0	3.7	0.6	4.3	0.9	2.8	0.4	2.9	0.4	26.5	137.6	Lower Saprolite		
RRMDD555	23.5	24.3	0.8	43.5	83.8	10.6	35.0	6.8	0.8	4.4	0.6	3.4	0.7	2.0	0.3	2.0	0.3	19.8	214.0	Lower Saprolite		
RRMDD555	24.3	25.1	0.8	32.6	136.4	8.7	31.1	6.3	1.4	5.2	0.8	5.3	1.1	3.6	0.5	4.0	0.6	34.5	272.3	Lower Saprolite		
RRMDD555	25.1	26.0	0.8	29.1	59.3	8.1	29.5	6.2	1.2	4.9	0.7	4.8	1.0	3.0	0.5	3.2	0.5	30.6	182.5	Lower Saprolite		
RRMDD555	26.0	26.8	0.8	56.5	88.0	14.3	58.7	15.1	3.8	18.3	3.7	30.3	7.6	26.2	4.1	28.4	4.1	217.8	576.7	Lower Saprolite		
RRMDD555	26.8	27.6	0.8	33.0	64.9	7.7	27.3	5.7	1.2	5.5	0.9	6.4	1.5	5.0	0.7	4.8	0.7	57.5	222.7	Lower Saprolite		
RRMDD555	27.6	28.4	0.8	55.1	98.8	13.4	48.8	10.1	2.2	8.9	1.3	7.5	1.4	4.1	0.6	3.6	0.5	44.8	301.0	Saprock		
RRMDD555	28.4	29.2	0.8	51.8	87.1	12.3	44.4	9.3	2.0	8.2	1.3	7.3	1.5	4.1	0.6	3.7	0.5	42.8	277.0	Saprock		
RRMDD555	29.2	30.1	0.8	51.7	93.6	11.5	44.8	9.0	2.0	9.8	1.5	8.9	2.0	5.6	0.8	5.1	0.8	71.5	318.6	Saprock	4.1	340
RRMDD555	30.1	30.9	0.8	41.4	77.5	9.2	34.6	6.4	1.4	6.4	1.0	5.6	1.1	3.4	0.5	3.0	0.4	38.0	229.9	Saprock		
RRMDD555	30.9	31.7	0.8	37.1	72.2	8.2	30.2	5.5	1.2	5.0	0.7	4.4	0.9	2.8	0.4	2.7	0.4	31.2	202.9	Saprock		
RRMDD555	31.7	32.5	0.8	40.8	83.2	9.4	34.6	6.7	1.3	5.4	0.8	4.9	1.0	3.1	0.4	2.8	0.4	35.6	230.6	Saprock		
RRMDD556	0.0	1.6	1.6	86.6	390.6	16.0	49.3	8.1	1.4	5.8	1.0	6.2	1.2	3.7	0.6	4.0	0.6	35.4	610.5	Hardcap		
RRMDD556	1.6	3.2	1.6	81.3	543.0	14.6	44.4	7.0	1.2	4.9	0.9	5.1	1.0	3.1	0.5	3.5	0.5	30.2	741.3	Hardcap		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD556	3.2	4.8	1.6	127.8	769.0	22.6	69.2	10.3	1.8	7.2	1.2	6.7	1.4	3.9	0.6	4.1	0.6	35.0	1061.4	Hardcap		
RRMDD556	4.8	6.4	1.6	203.5	1001.1	36.0	108.5	16.6	2.8	10.8	1.8	9.6	1.9	5.2	0.8	5.3	0.8	49.7	1454.4	Hardcap		
RRMDD556	6.4	7.2	0.7	117.2	152.3	25.5	88.9	14.0	2.3	10.5	1.6	9.8	2.0	6.1	0.9	6.2	0.9	60.2	498.4	Mottled		
RRMDD556	7.2	7.7	0.6	143.1	431.2	28.2	96.0	15.2	2.4	10.7	1.6	9.9	1.9	5.9	0.9	6.1	0.9	57.7	811.6	Mottled		
RRMDD556	7.7	8.3	0.6	97.2	120.0	21.7	76.7	12.4	2.0	9.2	1.4	8.6	1.8	5.3	0.8	5.5	0.8	54.7	418.3	Mottled		
RRMDD556	8.3	8.9	0.6	99.7	293.6	23.3	82.5	13.3	2.2	9.8	1.5	9.1	1.9	5.4	0.8	5.4	0.9	56.5	605.8	Clay		
RRMDD556	8.9	9.1	0.3	55.6	395.5	12.3	42.9	6.7	1.1	4.7	0.7	4.2	0.8	2.6	0.4	2.7	0.4	26.0	556.8	Clay		
RRMDD556	9.1	9.5	0.3	98.2	400.5	22.4	76.4	11.8	1.9	8.7	1.3	7.4	1.5	4.0	0.7	4.5	0.7	45.0	684.8	Clay		
RRMDD556	9.5	9.9	0.4	54.3	133.3	12.0	40.1	6.4	1.0	4.1	0.6	3.4	0.6	2.1	0.3	2.2	0.3	20.1	280.8	Clay		
RRMDD556	9.9	10.5	0.6	122.6	194.1	28.6	97.5	15.4	2.6	10.1	1.4	8.0	1.6	4.8	0.7	4.6	0.7	47.1	539.8	Clay		
RRMDD556	10.5	11.1	0.6	253.3	303.4	39.3	119.6	17.5	2.8	11.6	1.6	8.7	1.5	4.0	0.6	3.7	0.5	42.0	810.2	Clay		
RRMDD556	11.1	11.7	0.6	283.8	135.7	44.6	133.6	19.0	3.2	12.2	1.6	8.6	1.4	3.5	0.5	3.0	0.5	36.4	687.4	Clay		
RRMDD556	11.7	12.7	1.0	109.0	147.4	29.5	104.2	17.1	2.9	11.5	1.7	10.1	2.0	5.9	0.8	5.4	0.8	63.6	511.9	Clay		
RRMDD556	12.7	13.7	1.0	77.2	45.0	21.9	79.7	13.2	2.3	9.6	1.4	8.3	1.7	4.8	0.7	4.5	0.7	54.1	325.1	Upper Saprolite		
RRMDD556	13.7	14.4	0.7	52.9	61.8	14.6	53.0	8.9	1.5	6.5	1.0	5.7	1.2	3.6	0.6	3.8	0.5	40.8	256.2	Upper Saprolite		
RRMDD556	14.4	15.1	0.7	64.2	49.5	15.3	53.4	9.0	1.6	7.2	1.1	6.9	1.4	4.2	0.6	4.3	0.6	42.7	262.1	Upper Saprolite		
RRMDD556	15.1	16.0	0.9	29.8	28.3	7.4	27.5	4.6	0.9	3.4	0.5	2.7	0.5	1.4	0.2	1.5	0.2	16.1	125.0	Upper Saprolite		
RRMDD556	16.0	16.9	0.9	116.9	259.2	29.0	106.8	19.2	3.8	13.9	2.1	11.8	2.1	5.8	0.8	4.7	0.6	61.5	638.4	Upper Saprolite		
RRMDD556	16.9	17.9	0.9	54.5	99.9	13.4	49.6	9.4	2.2	10.4	1.9	14.0	3.4	10.9	1.6	9.9	1.4	132.7	415.1	Upper Saprolite		
RRMDD556	17.9	18.8	0.9	64.7	108.8	17.4	63.2	11.5	2.2	10.0	1.6	10.9	2.4	7.4	1.1	6.5	0.9	91.3	400.1	Upper Saprolite		
RRMDD556	18.8	19.8	1.0	60.8	96.9	17.0	61.1	10.9	2.2	9.6	1.5	9.8	2.2	6.6	1.0	6.0	0.9	83.1	369.6	Upper Saprolite		
RRMDD556	19.8	20.7	0.9	59.5	99.1	15.8	58.7	10.1	1.9	7.5	1.0	5.9	1.1	3.2	0.5	2.8	0.4	34.8	302.4	Upper Saprolite		
RRMDD556	20.7	21.7	1.0	87.6	132.1	25.0	95.2	17.8	3.7	16.5	2.6	16.7	3.8	11.8	1.6	10.2	1.5	140.3	566.3	Upper Saprolite		
RRMDD556	21.7	22.6	0.9	103.9	225.4	24.9	95.2	17.0	3.6	13.4	1.9	10.1	1.8	5.0	0.7	4.2	0.6	53.0	560.7	Lower Saprolite		
RRMDD556	22.6	23.1	0.5	85.3	144.3	19.9	77.1	14.6	3.4	15.7	2.3	14.0	2.9	8.3	1.1	7.3	1.1	95.6	492.9	Lower Saprolite	16.7	465
RRMDD556	23.1	24.0	0.9	64.7	148.0	14.8	54.0	9.3	2.0	8.2	1.2	6.7	1.4	3.9	0.6	3.6	0.6	48.5	367.6	Saprock		
RRMDD556	24.0	25.0	0.9	66.1	172.0	18.9	74.5	14.7	3.2	11.7	1.8	9.9	1.9	5.4	0.7	4.6	0.6	56.6	442.7	Saprock		
RRMDD556	25.0	25.9	0.9	46.6	83.4	10.4	36.5	6.4	1.3	4.8	0.7	4.3	0.8	2.8	0.4	2.6	0.4	32.3	233.7	Saprock		
RRMDD557	0.0	1.6	1.6	100.6	555.2	19.1	62.6	10.9	1.9	8.8	1.4	8.6	1.8	5.1	0.8	5.4	0.8	53.5	836.5	Hardcap		
RRMDD557	1.6	3.2	1.6	91.7	391.9	17.9	57.4	9.7	1.7	7.2	1.2	7.1	1.5	4.1	0.7	4.4	0.7	41.4	638.5	Transition		
RRMDD557	3.2	4.2	1.0	93.8	96.1	16.7	58.6	10.4	2.0	9.6	1.6	9.8	2.1	6.3	1.0	6.5	1.0	65.3	380.6	Mottled		
RRMDD557	4.2	5.2	1.0	141.3	133.9	22.3	69.6	10.7	1.9	8.7	1.3	7.4	1.6	4.8	0.7	4.9	0.7	54.0	463.8	Mottled		
RRMDD557	5.2	6.2	1.0	115.3	133.3	20.8	71.9	12.2	2.4	11.5	1.7	10.3	2.2	6.5	1.0	6.3	1.0	76.6	472.7	Mottled		
RRMDD557	6.2	7.2	1.0	218.1	219.3	34.6	105.7	16.5	2.8	12.2	1.8	10.0	2.0	5.9	0.9	6.0	0.9	66.3	703.1	Mottled		
RRMDD557	7.2	8.1	1.0	68.1	88.0	13.8	50.3	8.7	1.8	8.3	1.4	7.7	1.7	5.2	0.8	5.4	0.8	60.6	322.5	Mottled		
RRMDD557	8.1	9.1	0.9	107.3	117.7	26.9	100.5	19.2	3.4	14.2	2.1	11.5	2.3	6.5	0.9	6.0	0.9	72.0	491.6	Clay		
RRMDD557	9.1	10.0	0.9	125.5	181.8	43.7	170.9	34.2	6.0	23.0	3.3	16.9	3.0	8.2	1.1	6.9	1.0	82.8	708.3	Clay		
RRMDD557	10.0	10.9	0.9	97.3	160.3	39.9	163.3	33.7	6.1	23.9	3.4	17.4	3.1	8.4	1.2	7.5	1.1	85.5	652.0	Clay		
RRMDD557	10.9	11.8	0.9	95.7	140.0	32.7	133.0	27.0	4.7	19.7	2.9	14.7	2.6	7.4	1.0	6.8	1.0	72.8	562.0	Clay		
RRMDD557	11.8	12.7	0.9	103.2	141.9	25.9	99.6	18.7	3.3	14.0	2.1	11.1	2.1	6.1	0.9	5.8	0.9	63.9	499.5	Clay		
RRMDD557	12.7	13.6	0.9	101.8	151.7	30.8	129.5	27.6	5.0	22.7	3.4	18.9	3.7	10.5	1.5	9.6	1.4	108.8	627.1	Clay		
RRMDD557	13.6	14.5	0.9	152.5	253.1	57.5	256.6	55.0	10.9	53.0	8.1	46.9	9.8	28.8	4.1	25.6	3.8	321.3	1287.0	Clay		
RRMDD557	14.5	15.4	0.9	122.0	192.2	42.8	191.9	41.9	8.5	41.4	6.4	36.4	7.4	21.2	2.9	18.3	2.7	229.9	965.8	Clay		
RRMDD557	15.4	16.2	0.8	141.9	232.2	43.0	191.9	40.9	9.1	53.1	7.8	45.6	10.1	29.0	3.8	22.7	3.5	397.5	1232.1	Clay	13.0	656
RRMDD557	16.2	17.2	1.0	54.9	107.7	12.3	45.0	8.1	1.6	6.8	0.9	5.4	1.1	3.2	0.5	3.0	0.5	45.8	296.8	Saprock		
RRMDD557	17.2	18.2	1.0	59.3	124.1	13.9	50.6	9.4	1.9	7.5	1.1	6.1	1.2	3.5	0.5	3.1	0.5	36.4	319.1	Saprock		

																				>200ppm TREO-CeO ₂ Interval		
Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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
RRMDD558	0.0	1.6	1.6	118.5	275.2	25.3	83.2	14.6	2.5	11.4	1.9	11.1	2.3	6.4	1.0	6.6	1.0	69.0	629.7	Soil		
RRMDD558	1.6	3.2	1.6	80.8	375.9	14.9	45.7	7.2	1.3	5.3	0.9	5.0	1.0	3.3	0.5	3.8	0.5	29.5	575.7	Hardcap		
RRMDD558	3.2	4.8	1.6	89.3	543.0	16.1	48.9	7.9	1.3	5.4	0.9	5.2	1.0	3.3	0.5	3.8	0.6	29.7	756.7	Transition		
RRMDD558	4.8	6.4	1.6	92.4	630.2	18.0	57.5	9.9	1.6	7.2	1.2	6.6	1.3	4.2	0.6	4.8	0.7	38.2	874.4	Transition		
RRMDD558	6.4	7.1	0.7	111.5	452.1	25.1	91.3	16.1	2.7	12.9	2.0	11.6	2.4	7.0	1.1	7.3	1.0	71.7	815.8	Transition		
RRMDD558	7.1	7.8	0.7	130.2	407.8	28.3	103.5	18.0	3.0	14.1	2.2	12.7	2.6	7.8	1.2	7.6	1.1	80.4	820.5	Transition		
RRMDD558	7.8	8.3	0.6	140.1	78.1	30.9	114.2	19.0	3.3	16.1	2.5	14.2	2.9	8.8	1.3	8.3	1.2	95.2	536.2	Mottled		
RRMDD558	8.3	8.9	0.6	380.0	431.2	63.6	205.9	31.8	5.4	24.8	3.6	19.6	3.9	11.1	1.6	10.0	1.5	120.9	1314.7	Mottled		
RRMDD558	8.9	9.9	0.9	404.6	265.3	70.6	229.2	34.8	6.0	26.2	3.7	20.4	3.8	11.0	1.6	9.7	1.4	122.7	1211.0	Clay		
RRMDD558	9.9	10.8	0.9	210.5	291.1	55.8	204.7	33.3	5.6	22.8	3.3	17.4	3.3	9.2	1.3	8.1	1.2	100.4	968.2	Clay		
RRMDD558	10.8	11.7	1.0	137.8	187.9	34.4	128.3	21.5	3.7	16.4	2.4	13.3	2.6	7.4	1.1	7.4	1.0	80.8	646.1	Clay		
RRMDD558	11.7	12.4	0.6	151.9	175.0	36.6	134.7	22.6	4.0	17.1	2.5	13.6	2.6	8.0	1.1	7.6	1.1	82.4	660.9	Clay		
RRMDD558	12.4	12.8	0.4	53.7	162.8	13.2	48.9	8.6	1.4	6.6	1.0	5.6	1.1	3.3	0.5	3.2	0.5	34.4	344.7	Clay		
RRMDD558	12.8	13.6	0.9	162.4	326.8	44.1	155.1	27.4	4.8	20.2	2.9	15.7	2.9	8.4	1.2	7.9	1.1	85.3	866.3	Clay		
RRMDD558	13.6	14.5	0.9	247.5	400.5	73.5	258.9	46.2	8.3	33.0	4.8	26.5	4.9	12.6	1.8	11.3	1.5	137.8	1269.0	Clay		
RRMDD558	14.5	15.4	0.9	162.4	281.3	44.2	158.0	27.7	5.1	21.2	3.1	17.8	3.4	9.4	1.4	9.1	1.2	105.3	850.6	Clay		
RRMDD558	15.4	16.1	0.7	95.3	198.4	25.0	87.9	14.8	2.6	10.7	1.6	9.3	1.7	5.0	0.7	5.0	0.7	55.0	514.0	Clay		
RRMDD558	16.1	16.8	0.7	141.9	235.2	37.7	133.0	23.4	4.2	17.3	2.4	14.1	2.7	7.5	1.1	6.9	1.0	79.2	707.6	Clay		
RRMDD558	16.8	17.5	0.7	135.5	219.3	37.9	138.2	25.5	4.8	18.6	2.8	16.0	2.9	8.1	1.1	7.4	1.0	84.7	703.9	Clay		
RRMDD558	17.5	18.3	0.8	48.2	79.2	10.7	37.1	6.2	1.2	4.4	0.7	4.0	0.8	2.4	0.4	2.5	0.4	22.9	220.9	Upper Saprolite		
RRMDD558	18.3	19.1	0.8	81.0	110.7	17.8	63.1	11.0	2.2	9.1	1.4	8.6	1.7	5.0	0.7	4.8	0.7	51.2	369.0	Upper Saprolite		
RRMDD558	19.1	20.0	0.8	134.9	199.6	32.0	117.2	21.7	4.4	18.7	2.8	16.4	3.3	9.3	1.3	7.7	1.1	114.0	684.6	Upper Saprolite		
RRMDD558	20.0	20.8	0.8	202.3	380.8	51.1	189.0	33.5	6.3	22.8	3.0	15.3	2.5	6.2	0.9	5.2	0.7	68.1	987.6	Upper Saprolite		
RRMDD558	20.8	21.8	1.0	96.6	155.4	22.3	79.0	14.0	2.6	9.5	1.3	7.0	1.2	3.2	0.4	3.1	0.5	33.4	429.5	Lower Saprolite	14.0	751
RRMDD558	21.8	22.8	1.0	63.9	149.3	14.8	50.4	8.6	1.6	6.3	0.9	5.0	1.0	2.8	0.4	2.9	0.4	28.4	336.9	Lower Saprolite		
RRMDD558	22.8	23.8	1.0	86.9	178.7	21.4	78.7	15.3	3.2	14.5	2.2	13.2	2.7	7.8	1.1	6.7	1.0	93.0	526.4	Saprock		
RRMDD558	23.8	24.8	1.0	69.7	141.3	15.2	52.1	8.6	1.7	7.2	1.0	5.6	1.1	3.1	0.5	3.2	0.5	35.6	346.2	Saprock		
RRMDD558	24.8	25.4	0.6	70.3	151.7	17.1	61.5	11.7	2.4	9.4	1.4	7.8	1.6	4.5	0.7	4.4	0.6	50.4	395.3	Saprock		
RRMDD558	25.4	26.0	0.6	75.1	181.2	22.4	88.6	18.3	3.9	15.2	2.2	12.3	2.3	6.2	0.9	5.4	0.7	71.4	506.0	Saprock		
RRMDD559	0.0	1.6	1.6	62.3	692.8	10.7	32.7	6.0	1.1	4.9	0.9	5.0	1.0	3.5	0.5	4.0	0.6	28.4	854.4	Hardcap		
RRMDD559	1.6	3.2	1.6	80.5	818.1	13.0	39.0	7.1	1.2	5.5	1.0	5.3	1.1	3.6	0.5	4.1	0.6	27.6	1008.0	Hardcap		
RRMDD559	3.2	4.8	1.6	87.7	350.1	15.6	46.2	7.8	1.4	5.7	1.0	5.5	1.1	3.3	0.5	4.0	0.5	27.6	557.9	Transition		
RRMDD559	4.8	5.7	0.9	101.6	275.2	24.1	80.6	11.7	1.9	7.8	1.1	6.0	1.1	3.2	0.5	3.2	0.5	30.1	548.4	Mottled	1	548
RRMDD559	5.7	6.6	0.9	52.2	76.9	10.1	33.0	5.4	1.0	4.4	0.7	4.2	0.8	2.4	0.4	2.7	0.4	23.5	218.1	Mottled		
RRMDD559	6.6	7.4	0.9	71.5	152.3	15.3	51.0	8.3	1.5	6.0	0.9	5.4	1.0	2.9	0.4	3.3	0.4	27.8	348.0	Mottled		
RRMDD559	7.4	8.3	0.9	39.9	98.6	8.7	31.8	5.9	1.1	5.2	0.8	5.3	1.1	3.2	0.5	3.2	0.5	32.4	238.4	Mottled		
RRMDD559	8.3	9.2	0.9	121.4	275.2	26.2	92.1	17.0	3.2	15.0	2.4	14.5	2.9	8.1	1.1	7.0	1.0	89.0	676.1	Clay		
RRMDD559	9.2	9.8	0.6	78.7	146.8	18.6	66.6	12.2	2.1	9.6	1.5	8.2	1.6	4.8	0.7	4.3	0.6	51.3	407.6	Clay		
RRMDD559	9.8	10.2	0.4	94.3	169.5	23.9	90.3	18.0	3.3	17.6	2.8	16.8	3.4	10.1	1.4	8.7	1.3	115.1	576.4	Clay		
RRMDD559	10.2	10.8	0.6	74.9	170.1	16.4	57.9	10.9	2.0	9.4	1.5	8.8	1.8	5.1	0.7	4.8	0.7	54.2	419.3	Clay		
RRMDD559	10.8	11.1	0.3	71.3	153.6	19.1	77.6	17.2	3.4	16.8	2.7	16.0	3.2	9.0	1.3	8.0	1.1	100.8	501.0	Clay		
RRMDD559	11.1	12.1	0.9	106.5	205.8	27.7	103.3	20.4	3.5	14.7	2.1	11.5	2.1	5.8	0.8	5.1	0.7	62.7	572.8	Clay		
RRMDD559	12.1	12.8	0.8	249.8	371.0	52.2	186.6	35.0	6.1	26.0	3.5	18.5	3.3	8.7	1.1	6.7	0.9	94.6	1064.1	Clay		
RRMDD559	12.8	13.6	0.8	111.8	218.0	26.7	96.2	18.7	3.5	15.3	2.3	13.1	2.6	7.0	0.9	5.9	0.8	75.6	598.5	Upper Saprolite		
RRMDD559	13.6	14.3	0.8	105.8	236.5	26.1	96.2	19.2	3.3	15.1	2.3	13.0	2.6	7.2	1.0	6.0	0.8	80.9	615.9	Upper Saprolite		
RRMDD559	14.3	14.8	0.5	108.7	229.1	28.9	112.0	19.7	3.3	16.5	2.7	14.9	3.1	8.9	1.2	6.9	1.1	106.4	663.4	Upper Saprolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD559	14.8	15.8	1.0	105.9	206.4	27.4	100.2	20.9	3.8	17.5	2.6	14.9	2.9	7.9	1.0	6.4	0.8	86.6	605.2	Upper Saprolite		
RRMDD559	15.8	16.8	1.0	79.5	218.7	37.6	159.8	42.1	7.9	34.0	5.4	28.1	5.0	12.6	1.7	9.8	1.3	128.3	771.6	Upper Saprolite		
RRMDD559	16.8	17.3	0.6	101.0	218.7	30.0	114.5	24.8	4.5	19.8	3.0	17.0	3.2	8.9	1.2	7.0	1.0	99.9	654.4	Upper Saprolite		
RRMDD559	17.3	17.9	0.5	106.7	259.2	33.0	125.4	26.2	4.7	19.3	2.9	15.3	2.9	8.2	1.0	6.3	0.9	84.8	696.8	Upper Saprolite		
RRMDD559	17.9	18.9	1.0	103.6	259.2	32.1	120.7	25.2	4.4	19.0	2.9	15.2	3.0	7.9	1.0	6.4	0.9	88.1	689.6	Upper Saprolite		
RRMDD559	18.9	19.9	1.0	110.1	218.0	28.9	115.4	27.5	5.4	26.0	4.0	22.4	4.1	10.5	1.4	8.0	1.1	119.6	702.4	Upper Saprolite		
RRMDD559	19.9	20.9	1.0	126.7	250.6	35.4	140.0	33.5	6.8	33.9	5.4	31.1	6.1	16.8	2.1	12.5	1.7	182.9	885.3	Lower Saprolite		
RRMDD559	20.9	21.8	1.0	122.0	275.2	44.7	208.8	70.9	17.1	103.7	19.0	119.4	25.3	70.8	9.3	55.2	7.9	825.4	1974.6	Lower Saprolite		
RRMDD559	21.8	22.8	1.0	103.0	213.1	29.8	120.1	28.4	5.7	26.4	4.1	23.1	4.3	11.5	1.5	8.7	1.2	123.6	704.4	Lower Saprolite		
RRMDD559	22.8	23.8	1.0	154.2	316.9	48.0	199.5	52.2	10.6	46.2	7.3	37.3	6.3	15.3	1.8	10.4	1.3	167.6	1074.8	Lower Saprolite		
RRMDD559	23.8	24.7	1.0	88.1	175.7	21.6	84.3	19.4	3.9	18.8	3.0	16.6	3.3	8.9	1.1	6.8	0.9	97.0	549.4	Lower Saprolite		
RRMDD559	24.7	25.5	0.8	126.1	266.6	35.6	148.1	34.0	7.5	38.4	5.9	33.2	6.5	16.8	1.9	10.2	1.4	228.6	960.7	Lower Saprolite		
RRMDD559	25.5	26.3	0.8	88.0	192.2	26.1	110.1	27.7	6.2	28.4	4.2	21.6	3.8	8.8	1.1	6.1	0.8	101.1	626.1	Lower Saprolite	18.0	769
RRMDD559	26.3	27.2	0.9	67.6	142.5	16.1	62.5	14.5	3.1	16.9	2.7	15.3	3.2	9.5	1.2	7.4	1.1	103.8	467.5	Saprock		
RRMDD559	27.2	28.1	0.9	86.0	180.0	20.0	75.1	13.6	2.8	13.5	2.0	12.3	2.6	7.3	1.0	5.8	0.9	85.6	508.3	Saprock		
RRMDD559	28.1	29.1	0.9	67.0	149.9	16.9	61.1	11.3	2.3	12.0	1.8	10.1	2.1	6.0	0.8	4.7	0.7	80.1	426.8	Saprock		
RRMDD559	29.1	30.0	0.9	75.1	165.8	18.2	61.8	10.0	1.9	8.5	1.2	6.9	1.5	4.1	0.5	3.4	0.5	52.4	411.8	Saprock		
RRMDD559	30.0	30.9	0.9	66.0	152.3	18.2	68.9	15.8	3.3	13.0	2.0	10.0	1.7	4.4	0.5	3.5	0.5	48.8	408.9	Saprock		
RRMDD559	30.9	31.7	0.8	65.6	148.6	17.3	62.5	12.6	2.6	11.3	1.8	9.8	1.9	5.0	0.6	3.7	0.5	62.2	406.0	Saprock		
RRMDD559	31.7	32.5	0.8	75.4	170.1	21.3	89.0	20.8	4.6	22.6	3.3	18.1	3.4	8.4	0.9	5.2	0.7	120.9	564.7	Saprock		
RRMDD560	0.0	1.5	1.5	123.1	416.4	22.1	67.2	11.1	1.9	7.8	1.2	6.9	1.4	4.2	0.6	4.6	0.6	38.0	707.2	Hardcap		
RRMDD560	1.5	3.1	1.5	148.4	582.3	26.7	81.8	13.3	2.3	9.1	1.4	7.5	1.5	4.6	0.7	5.0	0.7	37.7	922.8	Transition		
RRMDD560	3.1	3.9	0.8	110.9	380.8	25.0	83.9	15.0	2.7	12.6	2.0	11.5	2.5	7.3	1.0	7.1	1.1	74.8	738.0	Mottled		
RRMDD560	3.9	4.7	0.8	128.4	233.4	44.3	162.1	30.5	5.5	24.6	3.7	20.4	4.1	11.7	1.6	10.7	1.5	134.6	817.1	Mottled		
RRMDD560	4.7	5.4	0.8	68.4	112.9	20.7	77.2	15.0	2.8	12.9	2.1	12.3	2.6	7.6	1.1	7.7	1.2	77.1	421.6	Clay		
RRMDD560	5.4	6.2	0.8	102.2	168.3	31.3	115.8	21.3	3.8	17.2	2.6	14.7	2.9	8.4	1.2	8.1	1.2	86.1	585.1	Clay		
RRMDD560	6.2	6.9	0.7	107.2	141.9	34.6	126.0	23.8	4.1	18.6	2.8	15.7	3.0	8.8	1.3	8.4	1.2	93.5	590.7	Clay		
RRMDD560	6.9	7.7	0.7	146.0	158.5	52.0	190.7	36.8	6.3	27.4	3.9	22.4	4.2	11.7	1.6	10.3	1.5	126.1	799.3	Clay		
RRMDD560	7.7	8.4	0.8	226.4	697.7	75.3	274.1	50.7	8.4	38.3	5.4	30.9	5.8	16.1	2.1	13.3	1.9	177.2	1623.5	Clay		
RRMDD560	8.4	9.2	0.8	680.2	701.4	265.8	971.6	186.7	31.4	127.9	17.5	91.5	15.0	37.7	4.9	28.6	3.6	370.8	3534.6	Clay		
RRMDD560	9.2	10.1	0.9	399.9	412.7	134.1	500.4	95.2	16.5	70.2	9.6	52.6	9.2	24.9	3.3	20.0	2.7	257.8	2009.2	Clay		
RRMDD560	10.1	11.1	0.9	444.5	415.2	131.1	492.2	90.2	15.9	71.6	9.5	52.3	9.4	25.0	3.2	20.0	2.8	270.5	2053.5	Clay		
RRMDD560	11.1	11.7	0.6	245.1	196.5	68.4	270.6	54.4	10.5	53.8	7.9	47.9	9.2	26.1	3.6	21.9	3.2	290.8	1309.8	Upper Saprolite		
RRMDD560	11.7	12.3	0.6	314.3	212.5	76.5	310.3	65.5	13.7	78.8	11.9	75.3	15.9	45.5	5.9	36.0	5.4	570.2	1837.8	Upper Saprolite		
RRMDD560	12.3	13.2	0.8	200.0	156.6	46.9	187.8	39.9	8.5	51.2	7.5	48.0	10.6	31.4	4.1	25.5	3.9	421.6	1243.4	Lower Saprolite		
RRMDD560	13.2	14.0	0.8	119.6	138.2	25.9	107.0	19.2	4.2	23.1	3.4	20.6	4.8	14.9	2.0	12.2	2.0	203.2	700.1	Lower Saprolite		
RRMDD560	14.0	14.9	0.9	63.6	105.2	14.3	56.5	10.4	2.2	10.0	1.5	9.9	2.4	7.7	1.1	7.0	1.2	116.3	409.2	Lower Saprolite		
RRMDD560	14.9	15.7	0.8	55.2	111.3	13.4	51.1	8.8	1.8	7.1	1.1	6.7	1.5	4.7	0.7	4.9	0.8	49.1	318.3	Lower Saprolite	12.6	1189
RRMDD560	15.7	16.5	0.8	44.6	91.5	10.8	40.6	7.2	1.5	5.7	0.9	5.2	1.1	3.8	0.6	4.7	0.8	38.0	257.0	Saprock		
RRMDD560	16.5	17.3	0.7	43.4	88.2	10.6	40.9	7.0	1.4	5.3	0.8	4.7	1.0	2.9	0.5	3.4	0.6	33.3	244.0	Saprock		
RRMDD560	17.3	18.0	0.7	44.4	88.7	10.0	35.5	5.9	1.1	3.9	0.6	3.2	0.6	2.0	0.3	2.3	0.4	20.1	218.9	Saprock		
RRMDD561	0.0	1.8	1.8	122.0	576.1	21.8	64.9	10.6	1.8	7.6	1.2	6.8	1.3	4.3	0.6	4.7	0.7	36.3	860.8	Hardcap		
RRMDD561	1.8	3.6	1.8	115.8	669.5	21.3	65.3	10.7	1.8	7.1	1.1	6.2	1.3	4.2	0.6	4.6	0.7	33.7	943.7	Transition		
RRMDD561	3.6	4.3	0.8	58.5	95.0	16.4	58.9	11.3	2.0	9.0	1.4	8.8	1.8	5.6	0.8	5.7	0.9	60.7	336.9	Mottled		
RRMDD561	4.3	5.1	0.8	116.8	156.6	36.6	132.4	24.9	4.4	19.1	2.8	16.0	3.1	9.0	1.3	8.2	1.2	98.2	630.6	Mottled		
RRMDD561	5.1	5.9	0.8	192.9	258.0	66.8	240.3	45.9	8.1	33.1	4.8	27.0	5.0	14.1	1.9	12.3	1.7	162.5	1074.5	Mottled		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD561	5.9	6.5	0.7	288.5	337.8	99.7	362.8	68.2	12.0	46.3	6.5	35.9	6.2	16.5	2.2	14.2	1.9	177.2	1475.9	Mottled		
RRMDD561	6.5	7.2	0.7	167.1	174.4	41.4	147.5	27.3	4.9	20.4	2.9	17.2	3.2	9.3	1.3	8.8	1.3	96.9	724.1	Mottled		
RRMDD561	7.2	7.9	0.6	247.5	315.7	67.1	239.1	44.6	7.8	31.2	4.5	24.7	4.5	12.5	1.8	11.2	1.6	123.9	1137.7	Clay		
RRMDD561	7.9	8.4	0.5	238.1	265.3	65.6	234.4	43.1	7.5	29.7	4.2	23.0	4.1	11.7	1.6	10.4	1.4	117.3	1057.5	Clay		
RRMDD561	8.4	9.2	0.9	150.7	230.3	32.4	107.1	18.4	3.3	13.4	2.0	11.9	2.3	6.8	1.0	6.7	1.0	70.6	657.9	Clay		
RRMDD561	9.2	10.1	0.9	158.9	205.8	35.2	118.4	20.9	3.8	15.4	2.3	13.4	2.6	7.4	1.1	7.3	1.0	75.4	668.7	Clay		
RRMDD561	10.1	10.5	0.4	72.6	253.1	17.6	63.5	11.6	2.3	10.2	1.5	9.5	1.9	5.6	0.8	5.6	0.9	61.3	517.9	Clay		
RRMDD561	10.5	11.3	0.8	110.0	178.1	31.4	120.1	25.2	5.0	23.9	3.8	23.1	4.5	13.1	1.8	11.9	1.7	139.1	692.7	Upper Saprolite		
RRMDD561	11.3	12.1	0.8	171.2	176.9	45.4	181.4	37.7	8.3	44.1	6.6	41.0	8.9	25.7	3.4	21.1	3.2	353.0	1128.0	Upper Saprolite		
RRMDD561	12.1	12.9	0.8	117.9	151.1	28.5	109.2	20.8	4.4	23.7	3.3	19.9	4.3	12.7	1.7	10.1	1.6	169.5	678.6	Lower Saprolite	9.3	822
RRMDD561	12.9	13.8	0.9	70.3	129.0	14.8	51.9	9.0	1.8	7.4	1.0	6.2	1.2	3.6	0.5	3.2	0.5	52.4	352.9	Saprock		
RRMDD561	13.8	14.7	0.9	64.6	141.3	15.6	54.4	10.2	2.1	8.2	1.2	7.4	1.5	4.3	0.6	4.4	0.7	47.7	364.2	Saprock		
RRMDD561	14.7	15.6	0.9	64.3	136.4	14.7	50.4	8.6	1.7	6.1	0.8	4.3	0.8	2.3	0.3	2.1	0.3	24.1	317.1	Saprock		
RRMDD561	15.6	16.5	0.9	68.3	151.1	16.3	57.2	10.8	2.2	8.7	1.3	7.6	1.5	4.4	0.6	4.5	0.6	47.9	383.0	Saprock		
RRMDD561	16.5	17.1	0.6	92.5	248.1	18.4	61.2	9.8	1.6	7.8	1.2	7.6	1.6	5.0	0.8	5.2	0.8	52.7	514.3	Saprock		
RRMDD562	0.0	1.4	1.4	117.3	389.4	20.5	62.6	10.1	1.8	7.5	1.2	6.5	1.3	4.2	0.6	4.5	0.6	35.8	663.9	Hardcap		
RRMDD562	1.4	2.8	1.4	101.7	2008.4	23.0	74.2	13.0	2.2	9.3	1.6	8.4	1.7	5.5	0.8	5.8	0.8	46.7	2303.1	Hardcap		
RRMDD562	2.8	3.4	0.6	90.3	1013.4	19.6	70.3	11.5	1.8	8.1	1.4	8.2	1.7	5.0	0.8	5.1	0.8	49.4	1287.5	Transition		
RRMDD562	3.4	4.1	0.6	96.8	417.7	21.0	74.1	12.2	2.1	8.9	1.5	8.6	1.9	5.6	0.8	5.7	0.9	56.8	714.4	Transition		
RRMDD562	4.1	5.1	1.0	85.6	243.8	21.0	77.6	13.0	2.3	10.2	1.6	9.8	2.1	6.7	1.0	6.7	1.1	66.7	549.3	Mottled		
RRMDD562	5.1	6.1	1.0	108.4	126.5	26.7	97.6	16.2	2.8	12.2	1.8	10.8	2.3	6.7	1.0	7.0	1.2	72.9	494.3	Mottled		
RRMDD562	6.1	7.1	1.0	131.9	176.3	29.2	94.9	16.4	2.7	13.1	2.0	11.7	2.4	7.2	1.1	7.3	1.1	74.4	571.8	Mottled		
RRMDD562	7.1	8.2	1.1	158.3	219.3	30.8	96.9	16.1	2.7	11.7	1.7	10.5	2.1	5.9	0.9	6.2	0.9	59.4	623.3	Clay		
RRMDD562	8.2	8.9	0.8	159.5	223.0	40.5	131.2	21.9	3.6	15.4	2.2	12.5	2.3	6.8	1.0	6.6	1.0	66.8	694.1	Clay		
RRMDD562	8.9	9.7	0.8	195.3	273.9	54.6	174.4	28.9	4.5	18.3	2.6	14.2	2.6	7.5	1.1	7.0	1.0	76.1	861.9	Clay		
RRMDD562	9.7	10.5	0.8	201.1	318.2	56.2	183.1	30.3	4.8	19.6	2.7	14.6	2.7	7.7	1.1	6.8	1.0	77.8	927.6	Clay		
RRMDD562	10.5	11.8	1.3	64.9	94.3	17.8	59.0	10.6	1.7	7.1	1.0	5.8	1.1	3.0	0.4	2.9	0.4	31.2	301.4	Clay		
RRMDD562	11.8	12.6	0.8	551.2	378.3	165.5	568.0	102.2	17.1	73.5	10.5	60.1	11.5	32.7	4.5	27.2	4.0	384.8	2391.3	Upper Saprolite		
RRMDD562	12.6	13.4	0.8	523.1	258.0	132.9	479.4	85.5	15.3	70.2	9.6	50.8	8.9	23.3	3.0	18.8	2.5	236.8	1918.2	Upper Saprolite		
RRMDD562	13.4	14.3	0.8	329.6	205.8	76.4	271.8	47.2	8.4	39.4	5.3	28.7	5.0	13.1	1.7	10.9	1.5	134.0	1178.7	Upper Saprolite		
RRMDD562	14.3	15.1	0.8	523.1	246.9	105.5	425.7	91.5	19.9	134.9	21.2	130.8	30.1	89.1	12.1	73.3	11.5	1276.2	3191.9	Upper Saprolite	11.0	1070
RRMDD562	15.1	16.0	0.9	102.0	151.7	19.6	69.3	12.2	2.3	12.0	1.7	9.6	2.2	6.6	1.0	5.8	1.0	108.7	505.6	Saprock		
RRMDD562	16.0	16.6	0.6	75.8	156.0	17.5	60.2	10.8	2.1	9.6	1.5	8.5	1.9	5.7	0.9	6.4	1.0	67.2	425.0	Saprock		
RRMDD563	0.0	1.6	1.6	54.5	329.2	12.4	41.1	7.6	1.3	6.1	1.0	6.2	1.3	4.1	0.6	4.5	0.6	37.3	508.1	Hardcap		
RRMDD563	1.6	3.2	1.6	93.0	1590.8	20.6	65.8	12.3	2.1	9.0	1.6	8.5	1.7	5.5	0.8	5.8	0.8	45.3	1863.5	Hardcap		
RRMDD563	3.2	4.7	1.6	122.6	1168.2	26.7	86.1	16.3	2.8	11.8	2.0	10.9	2.1	6.7	1.0	6.9	0.9	55.0	1519.8	Hardcap		
RRMDD563	4.7	5.7	1.0	129.6	204.5	26.8	89.8	15.3	2.5	12.4	2.0	11.8	2.3	7.4	1.1	6.9	1.0	73.8	587.3	Mottled		
RRMDD563	5.7	6.6	0.9	115.1	119.9	23.7	80.2	13.7	2.3	10.9	1.7	10.5	2.1	6.5	0.9	6.1	0.9	66.2	460.7	Mottled		
RRMDD563	6.6	7.2	0.6	120.2	314.5	28.9	99.4	16.9	2.9	12.6	1.9	11.0	2.2	6.3	0.9	5.9	0.8	63.5	687.9	Clay		
RRMDD563	7.2	7.9	0.6	90.2	215.0	20.0	68.7	11.7	1.9	8.8	1.4	8.5	1.7	5.4	0.8	5.1	0.8	53.8	493.7	Clay	3.2	551
RRMDD563	7.9	8.7	0.8	38.9	61.2	8.6	29.0	5.2	0.9	4.1	0.6	3.8	0.8	2.5	0.4	2.3	0.4	23.9	182.5	Clay		
RRMDD563	8.7	9.6	0.8	37.1	116.3	8.6	28.9	5.2	0.9	3.8	0.6	3.8	0.8	2.5	0.3	2.3	0.3	23.1	234.4	Clay		
RRMDD563	9.6	10.4	0.9	20.3	53.8	4.5	15.6	2.7	0.5	2.1	0.3	2.1	0.4	1.4	0.2	1.5	0.2	13.5	119.1	Clay		
RRMDD563	10.4	11.0	0.6	126.7	199.6	36.2	127.1	23.7	4.3	16.4	2.3	11.9	2.1	5.6	0.7	4.6	0.6	57.7	619.6	Clay	0.6	620
RRMDD563	11.0	11.6	0.6	26.6	96.9	6.0	20.2	3.6	0.6	2.3	0.3	2.0	0.4	1.2	0.2	1.3	0.2	11.7	173.6	Clay		
RRMDD563	11.6	12.5	0.9	67.6	95.1	17.6	60.1	10.8	1.9	7.1	1.0	5.4	1.0	3.0	0.4	3.0	0.4	28.2	302.7	Clay	0.9	303

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD563	12.5	13.5	1.0	50.7	91.8	12.6	43.5	7.8	1.4	5.2	0.7	4.1	0.7	2.4	0.4	2.3	0.4	22.9	246.8	Clay		
RRMDD563	13.5	14.7	1.2	43.2	73.0	10.7	36.5	6.6	1.2	4.7	0.7	3.8	0.7	2.2	0.3	2.1	0.3	22.1	207.9	Clay		
RRMDD563	14.7	15.4	0.7	110.5	108.1	23.7	80.5	14.0	2.7	10.9	1.5	9.1	1.7	5.1	0.7	4.2	0.6	54.6	428.0	Upper Saprolite		
RRMDD563	15.4	16.1	0.7	105.7	118.8	26.0	95.3	17.0	3.2	12.0	1.7	9.3	1.7	4.8	0.6	4.0	0.5	53.1	453.8	Upper Saprolite		
RRMDD563	16.1	16.8	0.7	154.8	180.0	36.7	135.9	25.6	4.9	18.2	2.7	15.0	2.7	7.3	1.0	6.2	0.8	76.3	668.1	Upper Saprolite		
RRMDD563	16.8	17.9	1.1	82.2	87.7	19.5	75.7	14.4	2.8	10.8	1.6	9.0	1.6	4.6	0.6	3.7	0.5	47.2	361.9	Upper Saprolite		
RRMDD563	17.9	19.1	1.1	38.4	56.6	8.9	32.7	5.8	1.1	4.1	0.6	3.2	0.6	1.8	0.3	1.9	0.2	17.4	173.5	Upper Saprolite		
RRMDD563	19.1	20.2	1.2	96.8	144.3	19.5	71.2	12.6	2.6	11.5	1.8	11.9	2.6	7.7	1.1	6.5	0.9	95.1	486.2	Lower Saprolite	5.6	408
RRMDD563	20.2	21.4	1.2	60.9	101.5	13.3	48.6	8.7	1.7	7.2	1.0	6.0	1.2	3.3	0.4	3.1	0.4	40.0	297.4	Saprock		
RRMDD564	0.0	1.4	1.4	82.8	481.5	14.5	43.7	7.5	1.3	5.4	0.9	5.4	1.0	3.4	0.5	3.9	0.5	27.9	680.2	Hardcap		
RRMDD564	1.4	2.8	1.4	78.9	568.7	14.4	43.4	7.8	1.3	5.3	0.9	5.2	1.0	3.4	0.5	3.9	0.5	25.8	761.1	Hardcap		
RRMDD564	2.8	4.2	1.4	95.0	481.5	18.7	58.7	10.2	1.7	7.7	1.3	7.2	1.5	4.7	0.7	5.3	0.7	45.0	739.8	Transition		
RRMDD564	4.2	5.2	1.0	115.6	203.9	23.6	75.9	12.8	2.0	9.7	1.5	9.2	1.9	5.6	0.9	5.9	0.9	61.5	530.9	Mottled		
RRMDD564	5.2	6.2	1.0	114.7	251.8	24.2	76.4	12.8	2.0	9.7	1.5	8.9	1.9	5.8	0.9	5.9	1.0	61.2	578.7	Mottled		
RRMDD564	6.2	7.1	1.0	111.8	219.9	23.1	73.9	12.5	2.1	10.4	1.6	9.5	1.9	6.0	0.9	6.2	1.0	63.6	544.3	Mottled		
RRMDD564	7.1	8.1	0.9	103.2	229.1	21.1	67.5	11.3	1.9	9.6	1.5	8.9	1.9	5.8	0.9	5.9	1.0	61.7	531.4	Clay		
RRMDD564	8.1	9.0	0.9	190.0	323.1	27.5	74.9	11.3	1.8	8.8	1.2	7.5	1.6	4.6	0.7	4.9	0.8	49.8	708.5	Clay		
RRMDD564	9.0	9.9	0.9	121.4	190.4	21.9	64.6	10.7	1.8	8.5	1.2	7.4	1.6	4.5	0.7	4.9	0.8	49.1	489.6	Clay		
RRMDD564	9.9	10.9	0.9	221.7	194.1	46.5	143.5	23.0	3.6	15.4	2.1	11.5	2.2	6.1	0.9	5.8	0.9	64.5	741.8	Clay		
RRMDD564	10.9	11.7	0.9	214.0	271.5	48.0	152.8	25.4	4.2	18.2	2.8	14.7	2.8	8.2	1.1	8.0	1.1	83.9	856.7	Clay		
RRMDD564	11.7	12.6	0.9	174.2	246.9	62.0	237.9	48.7	8.4	36.8	5.3	27.2	5.0	12.9	1.8	11.6	1.6	139.7	1020.1	Upper Saprolite		
RRMDD564	12.6	13.5	0.9	246.3	216.2	81.6	328.9	68.4	13.4	76.9	11.4	66.2	14.3	41.1	5.5	34.3	5.2	571.5	1781.1	Upper Saprolite	9.3	770
RRMDD564	13.5	13.9	0.3	74.4	122.6	16.4	58.8	11.1	2.2	11.4	1.6	9.4	2.1	6.4	0.9	6.0	1.0	90.5	414.9	Saprock		
RRMDD564	13.9	14.7	0.9	72.5	152.3	17.6	58.8	11.3	2.2	9.0	1.3	7.3	1.5	4.1	0.6	4.2	0.6	48.5	391.7	Saprock		
RRMDD564	14.7	15.6	0.9	68.3	146.2	16.7	59.3	11.8	2.1	9.3	1.4	7.8	1.6	4.5	0.7	4.5	0.7	49.1	383.9	Saprock		
RRMDD565	0.0	1.7	1.7	81.7	485.2	14.7	46.5	8.4	1.5	6.4	1.1	6.2	1.3	4.1	0.6	4.6	0.6	35.2	698.2	Hardcap		
RRMDD565	1.7	3.3	1.7	101.3	585.9	16.5	49.1	8.3	1.4	6.1	1.0	5.5	1.1	3.6	0.5	4.0	0.5	29.7	814.7	Hardcap		
RRMDD565	3.3	5.0	1.7	107.4	939.7	23.2	76.4	13.3	2.1	9.0	1.5	8.2	1.6	5.0	0.8	5.4	0.7	41.7	1236.0	Hardcap		
RRMDD565	5.0	5.7	0.7	133.1	504.9	28.3	91.1	15.4	2.6	12.3	2.0	11.5	2.3	6.9	1.0	7.0	1.1	65.7	885.1	Mottled		
RRMDD565	5.7	6.4	0.7	124.3	369.7	27.3	89.6	15.9	2.7	12.2	1.9	11.1	2.2	6.4	1.0	6.8	1.0	61.5	733.6	Mottled		
RRMDD565	6.4	7.3	0.9	140.7	282.5	29.8	95.1	17.3	2.7	12.9	2.0	11.7	2.4	6.9	1.1	7.1	1.1	69.1	682.4	Mottled		
RRMDD565	7.3	8.3	1.0	122.6	203.3	25.3	82.3	14.6	2.4	11.3	1.8	10.7	2.1	6.2	0.9	6.4	0.9	62.9	553.6	Mottled		
RRMDD565	8.3	9.3	1.0	303.8	286.2	73.3	241.4	42.8	7.2	32.0	4.5	22.6	3.8	9.7	1.2	7.7	1.0	96.0	1133.2	Mottled		
RRMDD565	9.3	10.2	0.9	140.7	221.7	31.8	101.5	17.9	3.0	13.7	2.1	11.2	2.2	5.7	0.8	5.7	0.8	59.1	617.9	Clay		
RRMDD565	10.2	11.2	0.9	129.0	264.1	34.8	120.7	23.7	4.0	16.2	2.4	13.0	2.4	6.6	0.9	6.3	0.9	69.6	694.4	Clay		
RRMDD565	11.2	12.0	0.9	122.0	224.8	30.9	103.7	19.3	3.3	14.3	2.2	11.6	2.3	6.3	0.9	5.8	0.9	71.7	620.1	Upper Saprolite		
RRMDD565	12.0	12.9	0.9	113.6	232.8	27.7	92.4	16.7	3.0	12.9	1.9	10.3	2.0	5.8	0.8	5.1	0.8	61.8	587.6	Upper Saprolite		
RRMDD565	12.9	13.7	0.9	195.3	282.5	72.9	288.1	63.5	12.1	59.1	8.7	47.5	9.2	24.4	3.3	20.0	3.0	290.8	1380.4	Upper Saprolite		
RRMDD565	13.7	14.2	0.4	121.4	180.6	32.9	127.7	27.6	5.6	32.7	5.2	31.0	7.3	21.9	3.1	19.7	3.1	288.3	908.0	Upper Saprolite	9.2	793
RRMDD565	14.2	14.8	0.6	85.3	185.5	19.8	67.3	12.6	2.2	9.5	1.2	6.2	1.2	3.2	0.4	2.5	0.4	41.5	438.7	Saprock		
RRMDD565	14.8	15.6	0.8	75.3	162.1	18.3	62.1	12.0	2.1	9.3	1.4	7.2	1.3	3.4	0.4	2.9	0.4	40.5	398.8	Saprock		
RRMDD565	15.6	16.3	0.8	69.4	151.1	16.6	56.3	10.7	2.0	8.5	1.3	7.1	1.6	4.7	0.7	4.9	0.8	49.0	384.9	Saprock		
RRMDD566	0.0	1.5	1.5	91.1	651.1	17.0	53.3	9.2	1.5	6.7	1.1	6.0	1.2	4.0	0.6	4.6	0.7	35.8	884.0	Hardcap		
RRMDD566	1.5	3.0	1.5	98.7	1057.7	18.7	57.2	9.8	1.6	6.8	1.1	6.3	1.3	4.2	0.6	4.6	0.6	34.3	1303.5	Transition		
RRMDD566	3.0	3.6	0.7	134.9	328.0	25.3	81.4	13.5	2.3	11.0	1.6	10.1	2.1	6.5	0.9	6.3	0.9	65.9	690.7	Mottled		
RRMDD566	3.6	4.3	0.7	195.9	325.5	38.2	115.2	17.7	2.9	11.4	1.6	9.5	1.7	5.1	0.8	5.3	0.8	50.8	782.4	Mottled		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD566	4.3	5.0	0.7	202.3	232.2	40.5	125.4	18.2	3.0	11.5	1.6	9.2	1.7	5.2	0.8	5.2	0.7	51.9	709.3	Mottled		
RRMDD566	5.0	5.8	0.7	199.4	253.1	39.7	118.4	16.3	2.6	10.1	1.5	8.3	1.5	4.6	0.7	4.7	0.7	45.0	706.6	Mottled		
RRMDD566	5.8	6.7	0.9	112.4	109.1	22.7	70.1	10.9	1.9	8.3	1.3	7.8	1.5	4.8	0.7	4.8	0.7	47.0	403.9	Clay		
RRMDD566	6.7	7.6	0.9	91.5	102.4	19.8	68.0	11.4	2.0	9.3	1.5	8.8	1.9	5.1	0.8	5.3	0.8	57.0	385.7	Clay		
RRMDD566	7.6	8.3	0.7	202.9	218.7	46.5	159.2	25.2	4.3	16.5	2.5	13.8	2.7	7.4	1.1	7.3	1.1	79.5	788.6	Clay		
RRMDD566	8.3	8.9	0.7	196.4	208.2	59.7	225.7	41.6	7.4	30.7	4.4	25.0	4.7	14.4	2.0	12.6	1.9	158.7	993.4	Clay		
RRMDD566	8.9	9.6	0.7	115.3	146.2	41.3	165.0	31.1	5.7	24.0	3.5	19.5	3.7	10.9	1.5	10.0	1.4	121.8	700.8	Clay		
RRMDD566	9.6	10.3	0.7	92.8	312.0	31.4	123.1	24.8	4.4	19.8	3.0	17.1	3.3	9.8	1.3	8.9	1.3	101.3	754.3	Clay		
RRMDD566	10.3	11.0	0.7	113.8	275.2	36.0	142.9	27.6	5.0	21.6	3.1	17.6	3.4	10.2	1.4	9.0	1.3	106.8	774.6	Clay		
RRMDD566	11.0	12.0	1.0	155.4	184.9	57.5	250.8	54.6	11.1	54.5	8.1	46.3	8.9	26.1	3.6	22.8	3.2	284.5	1172.0	Clay		
RRMDD566	12.0	13.0	1.0	134.3	168.9	47.0	207.6	45.2	9.8	55.4	8.2	49.6	10.6	31.3	4.2	24.7	3.7	424.1	1224.7	Upper Saprolite		
RRMDD566	13.0	13.7	0.7	83.5	156.0	20.0	71.7	13.5	2.8	13.3	1.9	11.1	2.4	7.1	0.9	5.8	0.9	98.0	488.9	Lower Saprolite	10.7	763
RRMDD566	13.7	14.4	0.7	69.7	145.6	16.9	60.1	11.0	2.0	8.3	1.2	6.6	1.2	3.3	0.5	3.1	0.4	39.1	369.0	Saprock		
RRMDD566	14.4	15.2	0.7	66.8	138.2	16.2	57.6	10.7	2.1	8.3	1.2	6.8	1.2	3.5	0.5	3.2	0.5	38.1	354.9	Saprock		
RRMDD566	15.2	15.9	0.7	61.0	127.8	14.3	50.0	9.1	1.6	6.5	0.9	4.8	0.8	2.5	0.4	2.5	0.4	26.7	309.2	Saprock		
RRMDD567	0.0	1.2	1.2	110.7	515.9	19.9	60.7	10.0	1.8	7.3	1.2	6.6	1.2	4.2	0.6	4.6	0.6	35.9	781.3	Hardcap		
RRMDD567	1.2	2.4	1.2	126.1	718.6	22.5	67.3	11.0	1.9	7.6	1.2	6.8	1.3	4.3	0.6	4.7	0.6	33.4	1007.9	Hardcap		
RRMDD567	2.4	3.2	0.8	87.3	910.2	18.5	63.8	11.5	2.1	10.1	1.6	10.1	2.1	6.3	0.9	6.7	1.0	67.8	1200.1	Transition		
RRMDD567	3.2	4.1	0.9	82.1	215.0	19.1	68.2	12.2	2.3	10.5	1.7	10.6	2.2	6.5	1.0	7.0	1.0	69.2	508.7	Mottled		
RRMDD567	4.1	5.0	0.9	114.7	130.2	27.7	94.8	17.0	3.0	13.9	2.1	12.6	2.6	7.4	1.1	7.6	1.1	78.7	514.7	Mottled		
RRMDD567	5.0	5.9	0.9	166.5	181.8	38.4	126.6	22.0	3.8	17.1	2.5	14.5	2.8	8.0	1.2	8.3	1.1	86.2	680.8	Clay		
RRMDD567	5.9	6.7	0.8	231.0	275.2	60.3	204.1	34.3	6.4	25.0	3.6	19.5	3.8	10.8	1.4	9.2	1.4	108.7	994.6	Clay		
RRMDD567	6.7	7.5	0.8	1407.4	836.5	333.5	1172.2	202.9	36.5	149.3	19.2	98.4	16.6	41.7	5.1	30.7	3.9	419.1	4772.9	Clay		
RRMDD567	7.5	8.2	0.7	666.2	417.7	169.8	607.7	110.7	19.9	82.9	11.3	59.6	10.7	28.2	3.8	23.7	3.2	309.9	2525.1	Clay		
RRMDD567	8.2	8.8	0.7	492.6	364.8	125.0	449.1	82.6	15.3	66.2	9.3	52.9	10.1	27.9	3.8	24.0	3.5	321.3	2048.3	Clay		
RRMDD567	8.8	9.7	0.9	341.3	258.0	83.0	317.3	57.6	11.8	55.6	7.8	45.7	9.2	26.5	3.6	22.3	3.4	297.2	1540.2	Upper Saprolite		
RRMDD567	9.7	10.6	0.9	683.7	269.0	142.6	564.5	107.1	23.2	132.5	19.1	118.2	26.0	76.4	10.2	64.3	9.7	1073.1	3319.7	Upper Saprolite	7.4	1829
RRMDD567	10.6	11.6	1.0	90.4	160.3	19.1	68.0	13.2	2.7	12.4	1.8	11.0	2.2	6.9	0.9	6.0	0.9	86.5	482.5	Saprock		
RRMDD567	11.6	12.6	1.0	70.8	142.5	17.6	65.0	12.7	2.6	10.6	1.6	9.4	1.9	5.6	0.8	5.0	0.7	60.7	407.5	Saprock		
RRMDD568	0.0	1.2	1.2	125.5	508.6	23.3	73.5	12.3	2.1	8.1	1.3	6.8	1.3	4.2	0.6	4.3	0.6	35.2	807.7	Hardcap		
RRMDD568	1.2	2.5	1.2	127.8	1406.5	23.4	73.4	12.2	2.2	8.8	1.5	7.6	1.6	4.5	0.7	5.1	0.7	42.4	1718.4	Transition		
RRMDD568	2.5	3.3	0.8	57.2	94.5	12.7	47.9	9.2	1.8	8.6	1.4	8.6	1.8	5.7	0.8	5.8	0.9	57.4	314.4	Mottled		
RRMDD568	3.3	4.2	0.8	112.0	267.8	31.4	115.2	22.0	3.8	16.4	2.5	14.3	2.8	7.9	1.1	7.3	1.1	85.1	690.6	Mottled		
RRMDD568	4.2	4.7	0.5	221.7	316.9	74.2	279.9	52.6	9.3	37.7	5.4	30.6	5.5	15.0	2.1	13.2	1.8	166.4	1232.2	Mottled		
RRMDD568	4.7	5.5	0.8	482.0	375.9	131.1	488.7	88.4	15.2	59.7	8.1	42.6	7.3	19.0	2.5	15.2	2.0	198.7	1936.3	Mottled		
RRMDD568	5.5	6.3	0.8	231.6	219.9	47.7	166.8	29.0	5.2	21.5	3.1	17.2	3.2	9.2	1.3	8.7	1.2	99.2	864.6	Clay		
RRMDD568	6.3	7.1	0.7	225.8	323.1	58.5	208.2	36.8	6.4	24.1	3.5	19.9	3.6	10.3	1.5	9.5	1.3	105.4	1037.6	Clay		
RRMDD568	7.1	7.8	0.7	218.1	213.7	54.7	204.1	39.1	7.0	27.9	4.2	23.2	4.2	11.9	1.7	11.0	1.5	120.1	942.7	Clay		
RRMDD568	7.8	8.4	0.6	114.5	172.0	28.0	106.4	19.8	3.8	17.9	2.8	17.8	3.7	10.8	1.6	10.4	1.5	122.5	633.6	Upper Saprolite		
RRMDD568	8.4	9.0	0.6	201.1	363.6	53.3	196.0	35.6	6.5	27.4	4.2	24.3	4.8	14.3	2.0	12.7	1.8	157.5	1105.0	Upper Saprolite		
RRMDD568	9.0	9.8	0.8	125.5	168.3	35.0	133.6	25.6	5.1	24.3	3.9	25.2	5.6	17.0	2.4	15.6	2.3	208.9	798.4	Upper Saprolite		
RRMDD568	9.8	10.6	0.8	310.8	249.4	86.7	359.3	73.1	14.6	73.2	11.2	68.3	14.2	40.1	5.5	33.4	4.7	483.8	1828.2	Upper Saprolite		
RRMDD568	10.6	11.5	0.9	220.5	181.2	51.0	215.8	44.1	9.9	57.6	8.8	57.3	12.6	37.7	5.1	30.2	4.5	488.9	1425.1	Upper Saprolite		
RRMDD568	11.5	12.3	0.7	97.2	147.4	20.2	77.9	14.0	3.0	16.2	2.3	14.5	3.3	9.8	1.3	8.0	1.3	155.6	572.0	Lower Saprolite		
RRMDD568	12.3	13.0	0.7	70.0	141.9	15.8	57.0	9.6	1.8	7.2	1.0	5.4	1.0	3.1	0.5	3.0	0.4	35.8	353.8	Lower Saprolite	10.5	987
RRMDD568	13.0	13.8	0.7	54.7	111.0	12.6	46.9	9.2	1.9	8.0	1.2	8.1	1.7	5.7	0.9	5.6	0.8	56.8	325.1	Saprock		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD568	13.8	14.7	0.9	86.0	194.7	19.5	69.5	13.0	2.4	9.2	1.3	7.7	1.5	4.6	0.7	5.0	0.7	46.6	462.4	Saprock		
RRMDD568	14.7	15.6	0.9	69.4	151.7	15.8	57.5	10.3	2.0	7.5	1.1	6.4	1.1	3.3	0.5	3.2	0.5	35.8	366.0	Saprock		
RRMDD568	15.6	16.6	0.9	62.2	133.9	14.0	50.4	8.9	1.7	6.1	0.8	4.9	0.9	2.7	0.4	2.6	0.4	28.7	318.4	Saprock		
RRMDD568	16.6	17.5	0.9	59.2	128.4	13.5	48.2	9.0	1.8	6.8	1.0	5.7	1.1	3.3	0.4	3.3	0.5	33.9	316.0	Saprock		
RRMDD569	0.0	1.5	1.5	61.1	632.6	11.2	35.2	6.3	1.0	4.7	0.8	4.7	1.0	3.3	0.5	3.8	0.5	28.3	795.3	Hardcap		
RRMDD569	1.5	3.0	1.5	51.7	502.4	9.6	29.5	5.2	0.9	4.2	0.8	4.2	0.9	3.0	0.5	3.5	0.5	26.4	643.3	Hardcap		
RRMDD569	3.0	4.5	1.5	108.4	992.5	18.5	57.7	9.5	1.6	7.2	1.2	6.4	1.3	4.2	0.6	4.4	0.6	40.6	1255.0	Transition		
RRMDD569	4.5	5.2	0.7	95.8	305.9	19.4	64.3	10.1	1.7	8.0	1.2	7.8	1.6	5.0	0.8	5.1	0.8	54.1	581.6	Mottled		
RRMDD569	5.2	6.0	0.7	58.4	124.1	13.2	43.6	7.4	1.3	4.5	0.6	3.1	0.6	1.6	0.2	1.8	0.3	16.6	277.3	Mottled		
RRMDD569	6.0	6.7	0.8	79.3	203.9	16.1	53.1	8.4	1.5	6.9	1.1	7.0	1.5	4.8	0.7	5.0	0.8	49.7	439.6	Mottled		
RRMDD569	6.7	7.5	0.8	70.5	372.2	14.7	50.2	8.5	1.4	7.1	1.1	7.4	1.6	4.8	0.7	5.1	0.8	52.4	598.4	Mottled		
RRMDD569	7.5	8.1	0.6	72.5	296.0	14.8	49.5	8.0	1.5	6.9	1.1	7.0	1.5	4.7	0.7	4.8	0.8	49.8	519.5	Clay		
RRMDD569	8.1	9.0	0.9	80.5	208.2	14.7	48.6	8.1	1.3	6.7	1.0	6.5	1.4	4.4	0.7	4.7	0.7	47.4	434.9	Clay		
RRMDD569	9.0	9.8	0.8	74.2	267.8	14.1	46.5	7.9	1.3	6.4	1.0	6.6	1.4	4.3	0.7	5.0	0.8	45.6	483.6	Clay		
RRMDD569	9.8	10.6	0.8	103.0	156.6	25.1	82.0	13.8	2.3	9.7	1.4	8.2	1.6	4.8	0.7	4.9	0.8	48.6	463.6	Clay		
RRMDD569	10.6	11.5	0.9	201.1	337.8	57.3	188.4	32.8	5.5	21.6	3.0	16.9	3.0	8.2	1.1	7.0	1.0	82.7	967.4	Clay		
RRMDD569	11.5	12.3	0.8	159.5	299.7	39.7	132.4	22.4	3.8	14.8	2.1	12.1	2.3	6.5	0.9	6.1	0.9	67.8	771.1	Clay		
RRMDD569	12.3	13.2	0.9	187.6	278.8	51.1	169.1	29.7	4.9	18.7	2.6	14.4	2.5	6.9	1.0	6.7	0.9	71.0	846.0	Clay		
RRMDD569	13.2	14.0	0.8	324.9	409.1	86.4	285.8	48.4	8.2	30.7	4.2	22.2	3.8	9.7	1.3	8.5	1.2	91.1	1335.2	Clay		
RRMDD569	14.0	15.0	1.0	223.4	281.3	48.4	155.7	23.8	4.0	15.3	2.0	11.0	2.1	5.6	0.8	5.6	0.8	55.7	835.6	Clay		
RRMDD569	15.0	15.9	0.9	211.1	270.2	59.0	194.8	33.5	5.8	21.5	3.0	15.5	2.9	7.8	1.1	7.1	1.0	80.0	914.2	Clay		
RRMDD569	15.9	16.8	0.9	232.8	273.9	67.3	222.8	39.1	6.6	25.4	3.4	18.5	3.4	9.1	1.2	8.3	1.1	103.4	1016.4	Clay		
RRMDD569	16.8	17.6	0.8	205.2	258.0	57.3	192.5	33.0	5.9	23.9	3.4	18.9	3.7	10.7	1.5	9.7	1.4	135.2	960.4	Clay		
RRMDD569	17.6	18.4	0.8	137.2	156.6	34.9	119.6	20.2	3.6	14.3	2.0	10.6	2.0	5.2	0.8	5.0	0.8	53.2	566.0	Clay		
RRMDD569	18.4	19.2	0.8	125.5	134.5	31.4	107.0	18.5	3.4	13.6	1.9	10.5	2.1	5.7	0.8	5.7	0.9	60.6	522.0	Clay		
RRMDD569	19.2	20.0	0.8	137.2	152.3	35.2	120.1	21.3	3.7	15.5	2.0	11.6	2.3	6.4	0.9	5.9	0.9	73.7	588.9	Clay		
RRMDD569	20.0	20.7	0.7	191.2	136.4	36.6	121.3	20.8	3.8	15.5	2.1	12.0	2.3	6.5	0.9	6.0	0.9	72.8	629.0	Clay		
RRMDD569	20.7	21.5	0.8	151.3	142.5	36.9	129.5	23.2	4.1	17.2	2.3	12.6	2.4	6.9	1.0	6.1	0.9	73.8	610.6	Clay		
RRMDD569	21.5	22.3	0.8	140.1	137.6	34.1	119.6	20.7	3.6	15.0	2.0	11.2	2.2	6.4	0.9	5.7	0.8	68.7	568.6	Clay		
RRMDD569	22.3	23.3	1.0	290.9	248.1	78.2	286.9	52.8	9.9	42.3	5.9	32.5	5.9	15.8	2.1	13.4	1.9	168.9	1255.6	Clay		
RRMDD569	23.3	24.0	0.7	541.8	313.2	99.7	394.2	75.8	16.8	102.8	15.5	96.4	21.1	61.3	8.0	49.5	7.3	759.4	2562.9	Clay		
RRMDD569	24.0	24.7	0.7	402.3	260.4	71.4	298.6	61.0	15.1	113.6	16.9	112.2	27.1	82.7	10.9	67.0	10.5	1243.2	2793.0	Clay	20.2	855
RRMDD569	24.7	25.3	0.6	122.0	171.4	19.5	65.2	9.7	1.8	9.8	1.2	7.3	1.7	5.2	0.7	5.0	0.8	98.3	519.6	Saprock		
RRMDD569	25.3	25.9	0.6	91.7	206.4	24.2	94.8	19.8	4.1	17.5	2.6	15.7	3.0	8.7	1.2	8.1	1.1	94.9	593.9	Saprock		
RRMDD570	0.0	1.8	1.8	77.5	1111.7	17.4	58.2	10.7	1.9	8.2	1.5	8.5	1.7	5.0	0.8	5.7	0.8	44.8	1354.4	Hardcap		
RRMDD570	1.8	3.6	1.8	134.9	1854.9	27.8	89.9	15.5	2.7	11.5	2.0	10.7	2.1	6.2	1.0	6.7	0.9	55.9	2222.6	Hardcap		
RRMDD570	3.6	4.3	0.7	139.0	191.0	28.3	100.9	16.5	2.8	13.0	2.1	12.2	2.5	7.0	1.1	6.5	1.0	78.0	601.8	Mottled		
RRMDD570	4.3	5.0	0.7	122.0	152.9	24.3	84.7	14.1	2.4	11.4	1.8	10.5	2.1	5.9	0.9	6.0	0.9	64.6	504.4	Mottled		
RRMDD570	5.0	5.9	0.9	114.1	108.3	22.7	79.3	13.2	2.3	10.9	1.7	10.2	2.1	6.3	0.9	5.7	0.8	65.8	444.4	Mottled		
RRMDD570	5.9	6.8	0.9	120.8	90.2	25.4	90.6	15.1	2.5	12.4	2.0	11.7	2.4	6.8	1.0	6.5	1.0	75.8	464.2	Mottled		
RRMDD570	6.8	7.6	0.8	77.3	69.7	16.1	56.7	9.7	1.6	7.9	1.2	7.2	1.5	4.3	0.6	4.2	0.7	47.2	306.0	Clay		
RRMDD570	7.6	8.4	0.8	101.6	83.5	22.0	77.6	12.8	2.4	10.8	1.6	9.3	1.9	5.2	0.8	4.8	0.8	57.7	392.7	Clay		
RRMDD570	8.4	9.2	0.8	62.4	56.3	13.3	47.4	7.6	1.3	6.2	1.0	5.5	1.1	3.2	0.5	2.9	0.5	36.4	245.7	Clay		
RRMDD570	9.2	10.0	0.8	177.1	194.1	40.1	140.6	23.0	4.0	17.6	2.6	13.9	2.7	7.1	1.0	6.3	0.9	80.3	711.4	Clay		
RRMDD570	10.0	10.8	0.8	166.5	120.8	36.4	130.6	21.9	3.9	17.0	2.7	14.6	3.0	8.0	1.1	7.4	1.1	92.4	627.3	Clay		
RRMDD570	10.8	11.5	0.8	175.3	148.6	39.6	140.0	23.7	4.0	18.0	2.7	14.5	2.8	7.3	1.1	6.7	0.9	86.4	671.6	Clay	8.0	494

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD570	11.5	12.6	1.1	32.7	59.6	7.7	27.4	4.4	0.8	3.4	0.5	2.7	0.6	1.6	0.2	1.6	0.2	16.9	160.2	Upper Saprolite		
RRMDD570	12.6	13.6	1.1	52.4	34.9	12.8	45.7	8.0	1.4	5.6	0.8	4.3	0.8	2.4	0.3	2.1	0.3	25.1	196.9	Upper Saprolite		
RRMDD570	13.6	14.7	1.1	26.3	28.4	6.1	21.2	3.5	0.7	2.6	0.4	2.4	0.4	1.3	0.2	1.3	0.2	13.7	108.6	Upper Saprolite		
RRMDD570	14.7	15.5	0.8	109.7	85.4	24.8	89.9	15.0	2.9	12.2	1.6	8.9	1.8	4.7	0.6	3.9	0.6	52.3	414.3	Upper Saprolite		
RRMDD570	15.5	16.2	0.8	150.1	94.3	34.4	127.1	21.5	4.3	17.9	2.8	16.6	3.3	8.8	1.2	7.2	1.1	108.6	599.4	Upper Saprolite		
RRMDD570	16.2	17.0	0.8	82.3	60.1	17.8	67.2	12.0	2.1	8.6	1.2	6.6	1.2	3.1	0.4	2.8	0.4	34.8	300.6	Lower Saprolite		
RRMDD570	17.0	18.0	1.0	50.2	80.7	11.0	38.8	6.8	1.2	4.7	0.7	3.8	0.8	2.3	0.3	2.2	0.3	23.1	227.0	Lower Saprolite		
RRMDD570	18.0	19.0	1.0	81.6	140.0	18.1	64.6	10.9	2.2	9.3	1.5	9.6	2.1	5.7	0.9	5.2	0.8	66.3	418.7	Lower Saprolite		
RRMDD570	19.0	20.0	1.0	70.4	127.8	15.9	56.5	9.6	1.9	8.0	1.2	7.0	1.5	4.4	0.6	3.6	0.6	53.8	362.7	Lower Saprolite	5.0	381
RRMDD571	0.0	2.0	2.0	120.8	394.3	23.9	79.5	13.9	2.6	11.1	1.8	10.2	2.1	6.2	1.0	6.9	1.0	64.1	739.5	Hardcap		
RRMDD571	2.0	4.0	2.0	117.0	1108.0	23.5	76.7	13.6	2.3	9.9	1.7	9.7	1.9	5.8	0.9	6.5	0.9	49.8	1428.4	Hardcap		
RRMDD571	4.0	4.7	0.7	108.7	384.5	21.5	75.5	14.0	2.4	11.2	1.8	11.2	2.2	6.8	1.0	7.1	1.0	68.1	716.9	Mottled		
RRMDD571	4.7	5.3	0.7	215.8	583.5	34.2	106.8	17.9	3.0	13.4	2.2	13.5	2.6	7.9	1.2	8.2	1.2	79.7	1091.1	Mottled		
RRMDD571	5.3	6.3	0.9	112.0	184.3	24.1	88.6	17.5	3.0	14.9	2.3	14.3	3.0	9.1	1.3	9.0	1.3	98.9	583.6	Mottled		
RRMDD571	6.3	6.8	0.5	151.3	266.6	39.1	148.1	26.6	4.7	21.0	3.2	18.5	3.7	10.6	1.5	9.8	1.5	117.7	824.0	Clay		
RRMDD571	6.8	7.4	0.6	226.4	256.7	64.3	255.4	45.5	8.3	36.8	5.3	29.8	6.2	16.6	2.3	15.2	2.3	205.1	1176.1	Clay		
RRMDD571	7.4	8.4	1.0	124.9	192.9	39.3	166.8	33.5	6.4	31.4	5.0	28.8	6.3	17.8	2.6	16.0	2.6	223.5	897.7	Pallid		
RRMDD571	8.4	9.0	0.6	161.8	264.1	54.0	246.1	52.3	11.0	55.9	8.3	47.1	9.7	26.2	3.7	22.7	3.5	325.1	1291.5	Clay		
RRMDD571	9.0	9.9	0.9	136.6	208.8	37.9	165.6	35.4	7.8	48.9	7.7	48.2	11.1	31.2	4.2	25.6	4.2	430.5	1203.8	Upper Saprolite		
RRMDD571	9.9	10.8	0.9	90.2	178.1	21.4	82.7	15.0	3.2	15.5	2.3	13.3	3.0	9.3	1.3	8.6	1.4	132.1	577.4	Upper Saprolite		
RRMDD571	10.8	11.7	0.9	75.2	166.4	17.9	67.3	12.7	2.8	11.2	1.7	9.4	2.0	5.5	0.8	5.5	0.9	60.8	440.2	Lower Saprolite	7.7	852
RRMDD571	11.7	12.7	1.0	61.3	130.2	13.7	49.5	8.2	1.6	5.9	0.8	4.2	0.8	2.1	0.3	2.3	0.4	25.3	306.6	Saprock		
RRMDD571	12.7	13.6	0.9	67.8	146.8	15.6	56.9	10.3	1.9	8.0	1.1	5.9	1.1	2.9	0.4	2.9	0.4	34.8	356.9	Saprock		
RRMDD572	0.0	1.5	1.5	103.6	385.7	18.8	59.3	10.4	1.7	7.6	1.3	7.5	1.6	4.4	0.7	5.3	0.7	44.7	653.4	Hardcap		
RRMDD572	1.5	3.0	1.5	92.8	457.0	16.1	50.7	8.4	1.5	6.5	1.1	6.1	1.3	3.8	0.6	4.3	0.6	36.1	686.8	Hardcap		
RRMDD572	3.0	4.5	1.5	92.4	427.5	16.3	50.9	8.3	1.4	6.4	1.0	6.3	1.4	4.1	0.6	4.8	0.7	42.0	663.9	Transition		
RRMDD572	4.5	5.3	0.8	63.1	156.0	12.6	42.6	7.3	1.1	5.9	0.9	6.1	1.3	3.9	0.6	4.5	0.7	40.0	346.6	Mottled		
RRMDD572	5.3	6.1	0.9	57.1	139.4	12.3	43.4	7.4	1.2	6.5	1.0	6.6	1.4	4.4	0.7	4.8	0.7	44.4	331.4	Mottled		
RRMDD572	6.1	7.0	0.8	54.5	105.8	12.0	42.2	7.3	1.2	6.5	1.0	6.5	1.4	4.2	0.7	4.6	0.7	43.8	292.4	Clay		
RRMDD572	7.0	7.8	0.9	353.0	218.0	49.9	144.1	20.1	3.2	13.4	1.8	9.9	1.7	5.0	0.7	4.7	0.7	49.8	875.8	Clay		
RRMDD572	7.8	8.6	0.8	89.5	130.8	17.6	58.8	9.7	1.6	7.8	1.1	7.1	1.5	4.5	0.7	4.7	0.7	46.1	382.1	Clay		
RRMDD572	8.6	9.3	0.6	102.5	299.7	22.8	81.4	14.0	2.4	11.8	1.7	10.6	2.1	6.4	0.9	6.0	0.9	68.7	632.1	Clay		
RRMDD572	9.3	9.9	0.6	111.9	200.8	27.1	95.8	16.4	2.8	14.0	2.0	12.3	2.6	7.4	1.1	7.2	1.0	83.2	585.5	Clay		
RRMDD572	9.9	10.9	1.0	172.4	504.9	51.6	183.1	31.4	5.1	22.5	3.1	17.3	3.3	9.3	1.3	8.6	1.2	99.3	1114.3	Clay		
RRMDD572	10.9	12.0	1.0	162.4	329.2	43.0	148.7	25.3	4.1	19.0	2.7	15.2	3.0	8.5	1.2	8.0	1.2	94.7	866.2	Upper Saprolite		
RRMDD572	12.0	12.4	0.4	139.0	444.7	38.5	135.3	22.3	3.6	15.7	2.3	12.8	2.5	7.3	1.0	6.7	1.0	78.5	911.2	Upper Saprolite		
RRMDD572	12.4	12.6	0.3	79.3	125.3	20.8	73.1	12.5	1.9	8.7	1.3	7.4	1.4	4.2	0.7	4.2	0.7	47.2	388.9	Upper Saprolite		
RRMDD572	12.6	13.2	0.6	159.5	256.7	49.5	173.8	29.1	4.6	18.8	2.6	13.9	2.6	7.1	1.1	6.7	1.0	78.4	805.4	Upper Saprolite		
RRMDD572	13.2	13.8	0.6	168.3	264.1	52.6	184.9	31.0	5.3	21.0	2.9	15.5	2.9	7.9	1.0	6.9	1.0	79.9	845.1	Upper Saprolite		
RRMDD572	13.8	14.7	1.0	208.2	216.2	47.5	168.5	28.8	5.3	21.6	2.9	15.6	2.8	7.4	1.0	6.4	0.9	73.1	806.3	Upper Saprolite		
RRMDD572	14.7	15.7	1.0	82.8	138.8	22.0	77.0	11.7	2.2	9.2	1.3	7.2	1.5	4.2	0.6	4.1	0.7	44.2	407.4	Upper Saprolite		
RRMDD572	15.7	16.6	1.0	57.7	73.2	15.4	54.5	8.8	1.7	6.7	0.9	5.8	1.1	3.5	0.5	3.5	0.6	33.3	267.1	Upper Saprolite		
RRMDD572	16.6	17.0	0.4	76.0	196.5	21.1	75.3	12.3	2.2	9.0	1.2	7.0	1.4	4.0	0.6	3.8	0.6	38.5	449.7	Lower Saprolite		
RRMDD572	17.0	17.4	0.4	91.9	140.0	25.0	90.7	15.0	2.9	11.2	1.5	8.1	1.5	4.5	0.6	4.3	0.7	42.2	440.2	Lower Saprolite		
RRMDD572	17.4	18.2	0.8	178.9	224.2	51.8	197.1	35.3	6.8	31.4	4.4	25.5	4.9	13.5	1.9	11.8	1.8	136.5	925.6	Lower Saprolite		
RRMDD572	18.2	18.9	0.6	177.7	174.4	40.6	162.1	28.6	6.4	35.0	5.0	30.0	6.3	18.4	2.4	15.1	2.4	217.8	922.2	Lower Saprolite	11.9	704

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD572	18.9	19.9	1.0	78.5	142.5	16.7	60.0	9.8	2.1	9.4	1.3	7.3	1.7	4.9	0.7	4.2	0.7	67.1	406.7	Saprock		
RRMDD572	19.9	20.9	1.0	66.6	135.7	14.7	50.7	8.6	1.7	6.4	0.8	4.8	0.9	2.8	0.4	2.7	0.4	28.8	326.0	Saprock		
RRMDD573	0.0	1.5	1.5	97.3	278.8	17.3	54.0	9.1	1.6	6.7	1.1	6.4	1.2	3.6	0.6	4.3	0.6	31.9	514.6	Hardcap		
RRMDD573	1.5	3.0	1.5	84.9	574.9	16.1	51.0	9.3	1.6	6.8	1.2	6.7	1.4	4.1	0.7	4.9	0.6	33.7	797.8	Hardcap		
RRMDD573	3.0	3.9	0.9	174.2	215.0	24.0	65.7	9.0	1.6	7.7	1.1	7.3	1.4	4.7	0.7	5.0	0.8	50.0	568.2	Mottled		
RRMDD573	3.9	4.8	0.9	62.2	78.4	14.9	57.6	11.4	2.1	11.1	1.8	11.7	2.4	7.9	1.1	8.0	1.2	87.8	359.6	Clay		
RRMDD573	4.8	5.7	0.9	100.0	135.7	25.6	98.2	20.1	3.9	22.4	3.7	24.9	5.6	18.5	2.6	16.7	2.7	256.5	737.3	Clay		
RRMDD573	5.7	6.6	0.9	78.7	99.1	20.1	79.3	16.3	3.3	17.5	2.8	18.5	3.7	11.6	1.6	10.5	1.7	133.3	498.2	Clay		
RRMDD573	6.6	7.5	0.9	85.5	98.5	22.0	88.6	18.7	3.7	20.5	3.3	21.3	4.4	14.1	2.0	12.8	1.9	161.3	558.7	Clay		
RRMDD573	7.5	8.1	0.6	114.3	170.7	28.8	107.5	20.6	4.1	21.8	3.2	21.7	4.4	14.1	1.9	12.6	2.0	165.7	693.6	Clay		
RRMDD573	8.1	8.7	0.6	113.4	183.6	29.4	105.7	19.5	3.7	18.9	3.0	19.6	4.0	12.2	1.7	11.1	1.7	148.6	676.0	Clay		
RRMDD573	8.7	9.7	0.9	293.2	630.2	120.1	453.7	85.0	14.5	61.1	8.5	47.9	8.7	24.7	3.3	20.3	2.8	283.2	2057.2	Clay		
RRMDD573	9.7	10.6	0.9	643.9	1253.0	258.6	1026.4	185.0	32.5	142.3	19.1	104.8	18.5	50.7	6.4	38.4	5.2	647.6	4432.4	Clay		
RRMDD573	10.6	11.6	1.0	301.4	555.2	117.4	464.2	91.7	15.8	67.0	9.3	52.8	9.2	25.4	3.4	21.4	2.9	259.1	1996.2	Clay		
RRMDD573	11.6	12.4	0.8	314.3	570.0	116.1	463.1	93.7	17.1	71.0	9.9	55.8	9.7	27.1	3.6	22.9	3.1	267.9	2045.2	Clay		
RRMDD573	12.4	13.3	0.9	160.1	218.7	46.4	196.0	46.2	9.8	50.5	7.9	52.8	10.5	31.9	4.3	28.0	4.2	331.4	1198.6	Clay		
RRMDD573	13.3	14.1	0.8	324.9	353.8	84.6	377.9	83.8	19.5	129.7	19.1	126.8	28.9	91.6	12.2	74.5	12.0	1282.6	3021.8	Clay		
RRMDD573	14.1	15.0	0.9	147.8	192.9	31.8	131.2	24.7	5.4	33.7	4.7	32.4	7.5	23.4	3.1	19.5	3.3	365.7	1027.1	Lower Saprolite	12.0	1449
RRMDD573	15.0	15.8	0.9	104.5	164.6	19.6	69.1	11.1	2.1	10.8	1.3	7.8	1.8	5.8	0.8	4.6	0.8	132.7	537.4	Saprock		
RRMDD573	15.8	16.6	0.8	71.5	143.1	15.5	52.8	8.8	1.5	6.5	0.8	4.7	0.9	2.9	0.4	2.8	0.4	32.8	345.4	Saprock		
RRMDD573	16.6	17.4	0.8	68.3	152.9	17.3	62.9	12.5	2.6	10.1	1.5	10.1	2.0	6.1	0.8	5.7	0.8	64.6	418.3	Saprock		
RRMDD573	17.4	18.2	0.8	60.0	129.0	14.0	49.5	9.7	1.8	8.1	1.1	6.8	1.2	4.2	0.5	3.6	0.5	42.5	332.7	Saprock		
RRMDD574	0.0	3.1	3.1	70.1	313.2	16.6	55.6	10.1	1.7	8.1	1.4	8.0	1.7	5.0	0.8	5.5	0.8	47.2	545.9	Hardcap		
RRMDD574	3.1	4.2	1.1	81.7	595.8	18.8	65.3	11.7	2.0	8.9	1.4	8.1	1.6	4.7	0.7	4.8	0.7	45.3	851.7	Mottled		
RRMDD574	4.2	5.2	1.1	69.9	159.1	15.4	52.5	8.6	1.4	6.5	1.0	5.9	1.2	3.5	0.5	3.4	0.5	36.4	365.9	Mottled		
RRMDD574	5.2	6.2	1.0	162.4	167.7	34.1	115.5	18.4	3.1	13.3	1.9	10.9	2.1	6.0	0.9	5.6	0.9	64.9	607.5	Mottled		
RRMDD574	6.2	7.1	0.9	180.0	165.8	37.1	125.4	20.4	3.5	14.9	2.2	12.2	2.3	6.3	0.9	5.8	0.9	69.2	646.9	Mottled		
RRMDD574	7.1	8.1	1.0	139.0	304.6	31.3	105.7	17.1	2.7	11.8	1.7	10.0	1.9	5.7	0.8	5.1	0.8	60.7	699.0	Mottled		
RRMDD574	8.1	8.6	0.5	34.5	82.8	9.0	31.0	5.0	0.8	2.9	0.5	2.5	0.6	1.7	0.3	2.0	0.3	16.6	190.5	Clay		
RRMDD574	8.6	9.1	0.5	86.4	132.1	18.8	62.5	9.9	1.7	6.8	0.9	5.5	1.1	3.0	0.4	2.9	0.5	31.0	363.5	Clay		
RRMDD574	9.1	9.9	0.8	134.3	332.9	31.1	103.8	16.8	2.9	11.5	1.6	9.3	1.8	5.1	0.8	4.8	0.7	58.3	715.5	Clay		
RRMDD574	9.9	10.6	0.8	147.8	190.4	33.5	114.1	18.6	3.0	12.5	1.7	9.7	1.9	5.3	0.8	4.7	0.7	59.8	604.4	Clay		
RRMDD574	10.6	11.3	0.7	147.8	189.2	34.1	116.3	18.7	3.2	13.4	1.8	10.5	2.1	5.9	0.8	5.1	0.7	68.6	618.1	Clay		
RRMDD574	11.3	12.0	0.7	141.3	164.0	33.5	115.1	18.8	3.2	13.5	1.8	10.6	2.1	5.6	0.8	5.0	0.7	67.6	583.8	Clay		
RRMDD574	12.0	12.7	0.7	133.1	183.6	31.1	106.3	17.9	3.1	12.3	1.8	9.9	1.9	5.4	0.8	4.6	0.7	62.0	574.3	Clay		
RRMDD574	12.7	13.6	0.9	98.4	168.3	22.4	78.4	13.2	2.3	9.8	1.4	8.3	1.6	4.7	0.6	4.0	0.6	51.4	465.5	Clay		
RRMDD574	13.6	14.4	0.8	136.0	226.6	32.0	108.9	17.8	3.1	12.4	1.8	10.0	1.9	5.6	0.7	4.5	0.7	62.9	625.1	Clay		
RRMDD574	14.4	15.1	0.7	135.5	172.6	33.3	113.8	19.7	3.5	13.9	2.0	11.6	2.2	6.0	0.8	4.9	0.7	71.9	592.5	Clay		
RRMDD574	15.1	15.9	0.8	85.6	115.0	19.5	67.0	11.4	2.0	8.6	1.3	7.3	1.5	4.2	0.6	3.6	0.6	48.6	376.8	Clay		
RRMDD574	15.9	16.7	0.8	125.5	192.9	27.9	96.6	15.9	2.7	11.9	1.6	9.4	1.9	5.4	0.7	4.5	0.7	62.0	559.6	Clay		
RRMDD574	16.7	17.6	0.9	95.2	125.3	21.0	72.9	11.8	2.0	8.2	1.1	6.4	1.3	3.6	0.5	3.1	0.5	38.2	391.1	Clay		
RRMDD574	17.6	18.5	0.9	153.6	204.5	34.0	116.4	18.4	3.1	12.3	1.7	9.3	1.8	5.1	0.7	4.4	0.6	54.4	620.4	Clay		
RRMDD574	18.5	19.7	1.2	41.4	171.4	9.3	31.3	5.1	0.8	3.0	0.5	2.8	0.5	1.5	0.2	1.6	0.3	15.5	285.2	Upper Saprolite	15.4	563
RRMDD574	19.7	20.8	1.2	22.5	28.7	4.6	15.6	2.3	0.4	1.3	0.2	1.1	0.2	0.7	0.1	0.8	0.1	6.9	85.8	Lower Saprolite		
RRMDD574	20.8	21.9	1.1	59.8	104.4	13.1	44.0	7.1	1.2	4.6	0.7	3.5	0.7	2.0	0.3	2.0	0.3	19.7	263.3	Lower Saprolite		
RRMDD574	21.9	23.0	1.1	87.3	161.5	18.9	63.9	10.4	1.9	7.4	1.0	5.7	1.1	3.3	0.4	2.9	0.4	33.0	399.3	Lower Saprolite	1.1	399

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD574	23.0	24.4	1.4	41.5	70.1	9.0	30.7	4.9	0.9	3.3	0.5	2.6	0.5	1.5	0.2	1.5	0.2	16.0	183.5	Saprock		
RRMDD574	24.4	25.7	1.4	50.7	79.1	11.1	37.6	6.0	1.0	4.1	0.6	3.2	0.7	1.8	0.3	1.8	0.3	19.0	217.2	Saprock		
RRMDD574	25.7	27.1	1.4	39.1	57.6	9.4	33.1	5.9	1.0	4.2	0.6	3.4	0.6	1.6	0.2	1.4	0.2	16.5	174.9	Saprock		
RRMDD574	27.1	28.4	1.4	41.5	55.6	9.2	31.0	4.7	0.8	3.0	0.4	2.3	0.4	1.3	0.2	1.2	0.2	12.2	164.2	Saprock		
RRMDD574	28.4	29.8	1.4	56.1	79.7	13.0	44.0	6.6	1.1	4.5	0.6	3.8	0.7	2.1	0.5	1.9	0.3	20.2	234.9	Saprock		
RRMDD574	29.8	30.8	1.0	103.7	182.4	23.5	78.1	11.8	1.8	8.7	1.1	6.6	1.4	3.8	0.5	3.3	0.5	45.6	472.9	Saprock		
RRMDD574	30.8	32.0	1.2	61.6	92.4	13.9	46.1	6.8	1.0	4.4	0.6	3.6	0.7	2.0	0.3	1.8	0.3	22.6	258.0	Saprock		
RRMDD574	32.0	33.1	1.2	65.7	102.3	15.0	48.1	6.9	1.0	4.2	0.5	2.9	0.6	1.9	0.3	1.6	0.3	16.8	267.8	Saprock		
RRMDD575	0.0	1.8	1.8	98.0	432.4	18.7	61.2	10.4	1.9	8.3	1.4	8.0	1.7	4.9	0.8	5.4	0.8	47.6	701.5	Hardcap		
RRMDD575	1.8	3.6	1.8	95.8	520.8	19.2	64.0	10.5	1.9	8.2	1.3	7.8	1.6	4.7	0.7	5.3	0.7	45.6	788.2	Transition		
RRMDD575	3.6	4.6	1.0	206.4	245.7	28.3	77.0	11.0	1.7	7.9	1.2	7.7	1.5	4.7	0.7	4.9	0.7	46.9	646.4	Mottled		
RRMDD575	4.6	5.5	1.0	99.2	192.9	17.7	58.3	9.4	1.5	8.0	1.2	7.9	1.6	4.9	0.7	5.0	0.8	49.9	459.0	Mottled		
RRMDD575	5.5	6.5	1.0	79.2	123.5	15.9	54.6	9.6	1.7	8.2	1.3	7.9	1.7	5.1	0.8	5.3	0.8	49.0	364.4	Clay		
RRMDD575	6.5	7.5	1.0	78.8	135.7	19.8	67.7	11.7	1.8	8.4	1.3	7.7	1.5	4.5	0.7	4.9	0.7	45.5	390.8	Clay		
RRMDD575	7.5	8.2	0.7	93.5	172.6	24.2	83.0	14.2	2.2	9.7	1.5	8.3	1.7	4.9	0.8	5.4	0.8	49.0	471.8	Clay		
RRMDD575	8.2	9.0	0.7	76.3	127.8	20.2	69.5	12.4	2.1	9.0	1.3	8.1	1.6	4.8	0.7	5.3	0.8	46.1	386.1	Clay		
RRMDD575	9.0	9.7	0.8	354.2	245.7	60.2	166.2	23.1	3.5	13.5	2.0	10.8	2.0	5.6	0.9	5.8	0.8	54.2	948.3	Clay		
RRMDD575	9.7	10.3	0.6	157.2	299.7	37.3	124.2	20.4	3.3	13.3	1.9	10.6	2.0	5.6	0.8	6.0	0.9	55.4	738.6	Clay		
RRMDD575	10.3	10.9	0.6	192.9	285.0	76.5	316.1	62.5	10.8	48.9	6.9	37.2	6.6	17.7	2.5	15.6	2.1	175.2	1256.7	Clay		
RRMDD575	10.9	11.5	0.6	256.8	325.5	90.4	375.6	72.9	13.0	64.1	9.1	50.6	9.7	26.2	3.8	22.8	3.2	298.4	1622.1	Clay		
RRMDD575	11.5	12.1	0.6	184.7	217.4	65.8	282.3	61.6	12.6	73.4	11.5	73.5	15.6	45.3	6.1	36.3	5.5	561.3	1652.9	Lower Saprolite	8.5	736
RRMDD575	12.1	12.8	0.8	76.9	141.3	18.2	65.3	12.3	2.2	10.4	1.4	8.4	1.7	5.1	0.7	4.8	0.7	71.0	420.4	Saprock		
RRMDD575	12.8	13.6	0.8	69.5	143.7	16.9	59.8	11.2	1.9	8.5	1.2	7.0	1.3	3.8	0.6	3.7	0.5	42.2	371.9	Saprock		
RRMDD576	0.0	1.9	1.9	94.6	331.7	18.6	60.2	11.1	1.9	7.8	1.3	7.3	1.5	4.4	0.7	5.1	0.7	39.9	586.8	Hardcap		
RRMDD576	1.9	2.8	0.9	133.7	158.5	27.3	93.1	16.2	3.3	17.4	2.7	17.0	3.8	11.8	1.6	10.4	1.7	141.6	640.0	Mottled		
RRMDD576	2.8	3.7	0.9	82.9	159.7	22.3	84.4	15.9	3.1	16.8	2.6	16.6	3.8	11.4	1.6	10.6	1.6	137.8	571.3	Mottled		
RRMDD576	3.7	4.5	0.9	248.6	243.8	45.3	144.6	23.3	4.4	20.2	3.0	17.6	3.7	10.8	1.5	10.2	1.5	129.5	908.3	Clay		
RRMDD576	4.5	5.4	0.9	136.0	156.0	28.0	94.4	15.9	3.1	15.6	2.3	14.7	3.2	9.4	1.3	8.7	1.4	108.4	598.6	Clay		
RRMDD576	5.4	6.3	0.9	150.1	152.3	31.4	107.4	18.6	3.6	17.9	2.7	16.4	3.5	10.4	1.4	9.5	1.5	111.8	638.3	Clay		
RRMDD576	6.3	7.2	0.9	184.1	224.8	37.7	130.6	23.7	4.8	21.3	3.4	20.5	4.1	12.5	1.7	12.0	1.8	118.5	801.5	Clay		
RRMDD576	7.2	8.1	0.9	221.1	237.7	43.0	145.2	24.5	4.9	22.2	3.3	19.6	4.1	11.6	1.6	10.7	1.6	124.6	875.6	Clay		
RRMDD576	8.1	9.1	1.0	239.3	444.7	69.4	243.8	40.6	7.4	30.5	4.2	23.5	4.6	13.3	1.7	10.7	1.6	147.3	1282.6	Clay		
RRMDD576	9.1	9.8	0.7	142.5	159.1	34.1	122.5	22.1	4.4	20.2	3.0	18.5	4.0	11.3	1.5	10.2	1.6	123.3	678.2	Clay		
RRMDD576	9.8	10.6	0.8	86.9	82.4	27.5	109.2	20.6	4.1	20.3	3.0	18.2	3.9	11.5	1.6	10.0	1.5	129.5	530.3	Clay		
RRMDD576	10.6	11.4	0.8	143.1	246.9	36.2	134.7	24.0	4.7	21.6	3.2	18.9	4.0	11.5	1.6	10.1	1.5	129.5	791.7	Clay		
RRMDD576	11.4	12.2	0.8	394.1	427.5	67.8	235.6	38.0	7.7	37.0	5.2	30.2	6.3	18.5	2.3	14.7	2.3	234.9	1522.1	Clay		
RRMDD576	12.2	13.0	0.8	209.3	250.6	49.9	186.0	33.4	6.8	31.9	4.5	26.6	5.5	15.8	2.1	13.2	2.0	182.2	1019.8	Clay		
RRMDD576	13.0	13.8	0.8	109.9	153.6	37.7	148.1	27.8	5.9	27.9	4.3	25.8	5.5	16.1	2.1	13.4	2.0	187.3	767.6	Clay		
RRMDD576	13.8	14.8	0.9	147.2	168.3	55.7	219.3	45.1	9.3	42.2	6.5	38.0	7.8	22.8	2.9	18.0	2.8	245.7	1031.6	Clay		
RRMDD576	14.8	15.7	0.9	141.9	180.0	52.1	207.0	41.7	8.6	39.6	5.9	34.7	7.2	20.8	2.7	16.7	2.6	227.3	988.8	Clay		
RRMDD576	15.7	16.6	0.9	165.4	229.7	63.7	255.4	53.5	11.2	50.7	7.6	44.3	8.9	25.2	3.2	21.0	3.1	256.5	1199.2	Clay		
RRMDD576	16.6	17.5	0.9	116.6	173.2	41.8	165.0	33.6	7.0	31.9	4.8	28.7	5.8	16.4	2.1	13.7	2.1	167.6	810.4	Clay		
RRMDD576	17.5	18.5	0.9	107.9	167.1	36.9	143.5	28.8	6.0	27.2	4.2	24.7	4.8	14.4	1.9	12.0	1.8	146.0	727.1	Clay		
RRMDD576	18.5	19.4	0.9	96.4	141.9	32.1	124.2	25.9	5.1	23.9	3.7	22.7	4.5	13.9	1.9	12.1	1.8	146.0	656.1	Upper Saprolite		
RRMDD576	19.4	20.2	0.8	87.0	133.9	30.0	116.5	24.5	4.7	22.2	3.3	20.3	4.0	11.4	1.6	10.4	1.5	122.7	594.1	Lower Saprolite		
RRMDD576	20.2	21.0	0.8	63.8	96.3	22.7	89.6	17.5	3.5	15.9	2.3	14.9	2.9	8.7	1.2	7.7	1.2	91.8	440.0	Lower Saprolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval		
																					Length (m)	TREO ppm	
RRMDD576	21.0	21.8	0.8	156.0	283.8	50.7	197.1	36.5	7.1	33.2	283.8	4.6	28.2	5.6	16.3	2.2	13.2	2.0	193.7	1030.2	Lower Saprolite	21.6	871
RRMDD576	21.8	22.7	0.8	160.1	271.5	48.2	187.8	32.6	6.8	33.1	4.5	28.5	5.9	17.4	2.3	13.6	2.1	233.7	1047.9	Lower Saprolite			
RRMDD576	22.7	23.5	0.8	256.8	375.9	55.7	211.1	34.7	7.2	40.2	5.4	34.3	7.8	25.0	3.3	19.0	2.9	444.5	1523.9	Lower Saprolite			
RRMDD576	23.5	24.3	0.8	80.6	140.7	19.5	75.0	13.0	2.7	12.5	1.8	11.5	2.5	7.5	1.1	7.0	1.0	107.9	484.3	Saprock			
RRMDD576	24.3	25.2	0.9	75.6	146.8	17.0	61.0	11.2	2.2	8.9	1.3	7.9	1.6	5.2	0.7	4.4	0.6	62.0	406.4	Saprock			
RRMDD576	25.2	26.1	0.9	58.5	115.5	12.9	44.7	8.3	1.7	7.1	1.1	6.5	1.3	3.8	0.5	3.5	0.5	39.4	305.3	Saprock			
RRMDD577	0.0	2.0	2.0	119.0	621.6	21.8	68.8	11.0	2.0	8.1	1.3	7.0	1.5	4.3	0.7	4.7	0.7	42.5	915.0	Hardcap	8.6	986	
RRMDD577	2.0	2.9	0.9	93.8	260.4	18.7	64.4	10.5	1.8	8.7	1.3	8.7	1.8	5.9	0.8	5.8	0.9	59.1	542.5	Transition			
RRMDD577	2.9	3.9	0.9	91.2	294.8	18.4	61.0	11.1	1.8	9.3	1.4	8.4	1.8	5.3	0.9	6.4	1.0	57.8	570.7	Mottled			
RRMDD577	3.9	4.5	0.6	95.2	237.7	18.4	62.1	10.8	1.9	9.2	1.4	8.7	1.9	5.8	0.9	6.3	1.0	61.3	522.7	Clay			
RRMDD577	4.5	5.1	0.6	123.1	255.5	24.9	85.0	14.4	2.3	10.8	1.7	9.9	2.2	6.5	0.9	6.7	1.0	67.2	612.2	Clay			
RRMDD577	5.1	6.0	0.9	100.9	173.2	23.9	80.6	15.1	2.4	11.0	1.7	10.1	2.0	5.9	0.9	6.7	1.0	60.7	496.1	Clay			
RRMDD577	6.0	6.7	0.7	129.0	164.0	33.6	114.4	20.2	3.3	14.2	2.1	12.3	2.5	6.8	1.1	7.8	1.2	70.5	582.9	Clay			
RRMDD577	6.7	7.4	0.7	207.0	246.9	37.7	122.5	21.1	3.5	14.9	2.2	12.7	2.6	7.2	1.1	7.7	1.2	70.7	759.0	Clay			
RRMDD577	7.4	8.1	0.7	313.1	198.4	70.2	244.9	43.7	7.5	32.2	4.7	25.1	4.8	12.8	1.8	12.9	1.8	130.8	1104.7	Clay			
RRMDD577	8.1	8.8	0.7	489.1	301.0	145.6	556.4	104.6	18.2	87.0	12.2	66.6	13.4	35.9	4.9	31.2	4.5	439.4	2309.9	Clay			
RRMDD577	8.8	9.5	0.7	245.1	185.5	64.9	246.1	46.5	8.9	47.0	7.0	41.1	8.9	24.4	3.6	22.3	3.4	303.5	1258.1	Clay			
RRMDD577	9.5	10.5	1.0	242.8	149.3	65.4	267.1	59.7	12.6	72.4	11.3	69.3	15.3	43.1	5.8	36.0	5.5	527.0	1582.6	Upper Saprolite			
RRMDD577	10.5	11.5	1.0	170.6	158.5	35.2	134.7	23.0	4.6	30.3	4.2	26.9	6.5	18.8	2.5	14.9	2.5	307.3	940.5	Upper Saprolite			
RRMDD577	11.5	12.6	1.1	63.0	125.3	14.8	52.4	9.4	1.9	7.7	1.1	6.1	1.2	3.5	0.5	3.3	0.5	40.0	330.6	Saprock			
RRMDD578	0.0	1.5	1.5	105.4	506.1	18.7	58.8	9.6	1.6	6.4	1.0	5.7	1.1	3.3	0.5	3.9	0.5	33.5	756.3	Hardcap	10.0	922	
RRMDD578	1.5	3.0	1.5	81.0	1234.5	15.3	49.6	8.8	1.6	6.8	1.2	6.6	1.4	4.1	0.7	5.0	0.7	37.8	1455.0	Hardcap			
RRMDD578	3.0	4.5	1.5	82.7	979.0	16.3	52.3	9.6	1.7	7.5	1.4	7.6	1.6	4.7	0.8	5.5	0.8	45.3	1216.9	Transition			
RRMDD578	4.5	5.4	0.9	131.9	116.5	22.5	64.7	10.4	1.8	8.6	1.3	7.8	1.7	4.9	0.8	5.4	0.9	56.9	436.2	Mottled			
RRMDD578	5.4	6.2	0.9	149.5	140.7	24.2	70.0	10.8	1.9	9.6	1.5	8.7	1.9	5.6	0.9	6.4	1.0	64.8	497.3	Mottled			
RRMDD578	6.2	7.1	0.9	232.8	216.2	37.7	105.0	15.7	2.7	12.3	1.8	10.7	2.3	6.6	1.0	6.6	1.0	73.3	725.6	Mottled			
RRMDD578	7.1	7.9	0.8	343.6	329.2	56.2	152.8	21.2	3.7	16.9	2.4	14.1	3.0	8.4	1.2	8.3	1.3	101.3	1063.8	Clay			
RRMDD578	7.9	8.7	0.8	514.9	588.4	99.4	286.9	42.4	7.3	33.5	4.9	27.8	5.7	15.7	2.2	14.6	2.3	188.6	1834.6	Clay			
RRMDD578	8.7	9.6	0.9	146.6	194.7	37.2	128.3	22.2	3.8	18.1	2.8	17.3	3.8	11.2	1.6	11.1	1.8	144.8	745.3	Clay			
RRMDD578	9.6	10.5	0.9	194.7	294.8	68.5	262.4	47.3	7.8	30.2	4.3	22.1	4.2	11.0	1.6	10.4	1.6	129.5	1090.4	Clay			
RRMDD578	10.5	11.4	0.9	201.7	288.7	58.4	210.5	34.6	6.1	25.9	3.6	19.6	3.8	10.1	1.5	9.8	1.5	135.2	1010.9	Clay			
RRMDD578	11.4	12.4	0.9	153.1	242.6	48.2	186.6	35.8	6.2	27.0	4.0	21.4	4.2	11.1	1.6	10.5	1.6	121.9	875.8	Clay			
RRMDD578	12.4	13.3	0.9	116.5	232.2	42.4	182.5	42.3	8.3	40.6	6.4	37.8	7.9	21.4	3.0	19.2	2.8	241.9	1005.2	Clay			
RRMDD578	13.3	14.2	0.9	97.3	198.4	34.9	158.6	37.8	7.6	38.0	6.0	34.9	7.3	19.4	2.8	18.2	2.7	215.2	879.1	Clay			
RRMDD578	14.2	14.5	0.3	99.3	191.6	31.3	143.5	32.9	7.0	44.1	6.7	39.7	9.4	26.8	3.6	23.1	3.7	361.9	1024.7	Upper Saprolite			
RRMDD578	14.5	15.7	1.1	72.9	155.4	17.8	66.5	11.9	2.2	10.9	1.4	8.4	1.9	5.3	0.8	4.9	0.8	84.1	445.4	Saprock			
RRMDD578	15.7	16.8	1.1	67.8	148.6	16.1	57.6	10.4	2.0	8.0	1.2	6.1	1.2	3.3	0.5	3.2	0.5	38.4	364.7	Saprock			
RRMDD579	0.0	1.7	1.7	78.8	584.7	13.7	42.7	7.3	1.3	5.2	0.9	5.3	1.1	3.2	0.5	3.9	0.6	31.1	780.3	Hardcap	8.3	922	
RRMDD579	1.7	3.5	1.7	91.2	847.6	17.2	54.6	9.3	1.6	6.8	1.2	6.8	1.4	4.1	0.7	5.0	0.7	38.1	1086.3	Transition			
RRMDD579	3.5	4.2	0.7	161.3	172.0	28.8	83.5	11.5	2.0	7.8	1.2	6.6	1.4	4.2	0.7	4.7	0.8	40.8	527.1	Mottled			
RRMDD579	4.2	5.0	0.8	251.0	186.7	42.0	115.7	15.3	2.6	9.7	1.5	8.4	1.7	5.2	0.8	5.4	0.8	51.6	698.4	Mottled			
RRMDD579	5.0	5.9	0.9	57.5	61.7	13.8	52.3	10.1	1.9	9.5	1.6	9.1	2.0	6.2	0.9	6.2	0.9	65.0	298.7	Clay			
RRMDD579	5.9	6.8	0.9	90.8	117.9	23.5	88.8	17.2	3.3	16.0	2.5	14.2	3.1	9.1	1.4	8.7	1.3	101.7	499.5	Clay			
RRMDD579	6.8	7.6	0.7	111.4	132.1	32.1	126.0	24.2	4.5	20.6	3.0	17.2	3.5	10.2	1.5	9.7	1.4	115.7	613.0	Clay			
RRMDD579	7.6	8.3	0.7	140.1	186.7	43.5	167.4	31.9	5.9	25.0	3.5	18.9	3.7	10.6	1.5	9.5	1.4	114.8	764.4	Clay			
RRMDD579	8.3	9.0	0.7	112.2	136.4	31.8	120.7	23.4	4.5	19.1	2.9	15.3	3.1	8.6	1.3	8.3	1.2	93.8	582.7	Clay			

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD579	9.0	9.7	0.7	105.1	176.9	34.0	131.8	25.4	4.8	19.7	2.8	15.1	3.0	8.5	1.2	7.9	1.1	89.7	626.9	Clay		
RRMDD579	9.7	10.7	1.0	75.2	142.5	22.8	87.1	16.8	3.1	13.5	2.0	10.7	2.2	6.3	0.9	5.9	0.9	63.2	453.2	Clay		
RRMDD579	10.7	11.7	1.0	90.8	169.5	29.1	115.2	22.6	4.4	18.3	2.7	14.5	2.8	8.2	1.2	7.5	1.1	82.5	570.5	Clay		
RRMDD579	11.7	12.4	0.7	98.5	183.6	28.0	108.5	20.3	4.0	17.6	2.6	13.9	2.9	8.3	1.2	8.1	1.2	93.0	591.7	Clay		
RRMDD579	12.4	13.1	0.7	102.0	187.9	29.8	113.4	21.5	4.2	16.9	2.4	12.6	2.5	7.1	1.0	6.9	1.0	73.1	582.5	Clay		
RRMDD579	13.1	14.0	0.9	94.8	155.4	29.7	128.9	28.9	6.7	38.3	6.0	35.7	8.2	23.8	3.3	19.9	3.0	287.0	869.5	Clay		
RRMDD579	14.0	14.9	0.9	81.4	127.1	22.5	100.7	20.5	4.8	29.6	4.5	26.2	6.4	19.2	2.7	16.4	2.6	266.7	731.2	Clay		
RRMDD579	14.9	15.8	0.9	116.0	165.2	28.2	116.3	23.1	5.2	29.7	4.5	26.5	6.2	18.9	2.8	17.5	2.7	242.6	805.4	Clay		
RRMDD579	15.8	16.7	0.9	73.2	155.4	19.3	74.2	14.5	3.1	14.6	2.2	13.0	3.2	10.5	1.7	11.1	1.7	124.8	522.3	Lower Saprolite		
RRMDD579	16.7	17.7	1.0	68.6	150.5	15.6	56.1	10.4	2.1	8.0	1.2	6.1	1.3	3.9	0.6	3.7	0.6	41.9	370.5	Lower Saprolite	14.3	589
RRMDD579	17.7	18.8	1.0	59.6	128.4	13.6	45.5	7.6	1.4	5.3	0.7	3.9	0.8	2.4	0.3	2.7	0.4	22.5	295.2	Lower Saprolite		
RRMDD579	18.8	19.8	1.0	64.4	143.7	15.7	55.9	10.9	2.2	8.6	1.3	7.2	1.5	4.5	0.7	4.5	0.6	47.0	368.7	Saprock		
RRMDD580	0.0	2.0	2.0	111.3	829.2	21.7	68.2	11.4	2.0	8.5	1.4	7.9	1.6	4.8	0.7	5.5	0.8	43.7	1118.6	Hardcap		
RRMDD580	2.0	3.9	2.0	111.5	869.7	22.2	70.3	11.8	2.0	9.0	1.5	8.5	1.7	4.9	0.8	5.8	0.9	48.6	1169.4	Transition		
RRMDD580	3.9	4.7	0.8	205.8	310.8	32.7	90.6	13.3	2.1	8.4	1.2	6.9	1.4	4.1	0.7	4.6	0.7	40.9	724.3	Mottled		
RRMDD580	4.7	5.5	0.8	280.3	256.7	48.4	130.1	16.4	2.5	9.2	1.3	6.9	1.3	3.8	0.6	4.4	0.7	38.5	800.9	Mottled		
RRMDD580	5.5	6.2	0.8	260.4	224.8	45.7	126.0	16.9	2.8	10.9	1.6	8.9	1.8	5.2	0.8	5.5	0.9	51.4	763.4	Mottled		
RRMDD580	6.2	7.0	0.8	205.8	183.6	38.4	105.1	14.5	2.4	9.7	1.5	8.4	1.7	4.8	0.8	5.7	0.8	53.7	637.1	Mottled		
RRMDD580	7.0	7.6	0.6	215.8	249.4	48.0	138.8	20.2	3.4	11.0	1.5	8.1	1.6	4.4	0.7	4.7	0.7	47.0	755.0	Mottled		
RRMDD580	7.6	8.2	0.6	189.4	248.1	43.9	134.7	21.0	3.6	13.5	1.8	10.0	1.9	5.3	0.8	5.4	0.8	56.3	736.6	Mottled		
RRMDD580	8.2	9.2	1.0	151.3	203.9	35.6	112.1	18.3	3.3	13.5	2.1	11.8	2.2	6.5	0.9	6.4	0.9	68.4	637.3	Clay		
RRMDD580	9.2	10.1	1.0	153.1	213.1	44.5	161.0	27.8	5.0	20.0	2.9	15.6	3.0	7.9	1.1	7.4	1.1	88.4	751.8	Clay		
RRMDD580	10.1	11.1	1.0	122.0	218.0	39.0	152.2	28.2	5.3	21.3	3.0	16.4	3.1	8.5	1.2	8.1	1.2	90.7	718.2	Clay		
RRMDD580	11.1	11.8	0.7	141.9	208.2	40.0	141.7	24.7	4.6	17.9	2.6	14.3	2.8	7.3	1.1	7.4	1.1	82.5	698.3	Clay		
RRMDD580	11.8	12.8	1.0	112.5	206.4	37.5	149.3	28.1	5.5	22.2	3.2	16.8	3.2	8.6	1.3	8.4	1.2	92.3	696.5	Clay		
RRMDD580	12.8	13.7	1.0	104.6	191.6	30.1	115.7	21.0	4.0	16.3	2.3	12.8	2.5	6.9	1.0	6.8	1.0	78.0	594.7	Clay		
RRMDD580	13.7	14.7	1.0	111.3	211.9	41.3	176.7	35.4	6.7	28.6	4.2	21.9	4.2	11.4	1.7	11.0	1.6	127.6	795.5	Clay		
RRMDD580	14.7	15.1	0.4	93.0	178.1	25.0	94.4	16.4	3.1	12.6	1.8	9.6	2.0	5.5	0.8	5.4	0.8	64.0	512.4	Clay		
RRMDD580	15.1	15.9	0.8	84.6	163.4	25.4	101.6	20.1	4.0	17.4	2.6	14.5	3.0	8.0	1.2	8.0	1.2	97.4	552.4	Upper Saprolite		
RRMDD580	15.9	16.7	0.8	93.7	182.4	27.7	111.7	22.5	4.7	22.0	3.2	18.1	3.8	10.1	1.6	9.9	1.4	115.9	628.7	Upper Saprolite		
RRMDD580	16.7	17.6	0.8	79.9	159.1	24.4	105.1	21.2	4.8	26.7	3.9	23.4	5.7	15.7	2.2	13.2	2.0	241.9	729.2	Upper Saprolite		
RRMDD580	17.6	18.4	0.8	69.8	146.8	17.7	64.6	12.2	2.5	11.0	1.6	9.4	2.1	6.0	0.9	5.6	0.9	95.5	446.7	Lower Saprolite		
RRMDD580	18.4	19.3	0.8	76.6	165.8	19.0	65.9	12.0	2.3	9.2	1.4	7.5	1.5	3.9	0.6	4.2	0.6	51.3	421.8	Lower Saprolite	15.4	666
RRMDD580	19.3	20.0	0.8	73.8	159.1	17.9	63.0	11.6	2.3	9.1	1.4	7.7	1.5	4.2	0.6	4.2	0.6	49.3	406.2	Saprock		
RRMDD580	20.0	20.8	0.8	70.6	149.3	16.4	56.2	9.5	1.9	6.9	1.0	5.8	1.2	3.3	0.5	3.4	0.5	37.7	364.3	Saprock		
RRMDD580	20.8	21.6	0.8	66.1	141.3	15.8	56.3	10.3	2.0	7.6	1.2	6.0	1.2	3.2	0.5	3.1	0.5	35.3	350.4	Saprock		
RRMDD580	21.6	22.4	0.8	64.6	140.0	15.7	53.5	9.9	2.0	7.6	1.2	6.2	1.3	3.2	0.5	3.2	0.4	37.8	347.2	Saprock		
RRMDD580	22.4	23.2	0.8	63.3	136.4	15.1	51.9	9.2	1.9	7.2	1.0	5.5	1.1	2.8	0.4	2.9	0.4	33.4	332.6	Saprock		
RRMDD581	0.0	2.1	2.1	89.8	169.5	20.2	69.3	12.7	2.1	9.9	1.6	9.6	1.9	5.7	0.9	6.1	0.8	61.2	461.3	Hardcap		
RRMDD581	2.1	4.2	2.1	44.3	172.0	9.7	33.2	6.4	1.1	4.7	0.9	5.0	1.1	3.3	0.5	4.1	0.5	31.2	318.1	Hardcap		
RRMDD581	4.2	6.3	2.1	76.3	187.9	16.2	54.6	8.8	1.5	6.7	1.1	6.6	1.4	4.1	0.6	4.5	0.6	42.7	413.6	Hardcap		
RRMDD581	6.3	8.3	2.1	80.9	134.5	17.1	56.9	8.9	1.5	6.9	1.1	6.6	1.4	4.2	0.6	4.4	0.6	45.1	370.9	Transition		
RRMDD581	8.3	9.3	1.0	111.4	137.0	21.8	72.4	11.2	1.9	9.2	1.4	8.5	1.8	5.1	0.8	5.5	0.9	56.6	445.6	Mottled		
RRMDD581	9.3	10.0	0.7	101.0	134.5	21.1	70.7	11.5	1.9	8.9	1.4	8.5	1.9	5.5	0.9	5.7	0.9	60.2	434.6	Mottled		
RRMDD581	10.0	10.9	0.8	113.6	145.6	22.2	71.9	11.2	1.9	9.1	1.4	8.2	1.7	4.8	0.8	5.4	0.8	58.0	456.6	Mottled		
RRMDD581	10.9	11.7	0.8	127.8	132.7	24.8	82.3	13.0	2.2	10.5	1.6	8.9	1.9	5.3	0.8	5.4	0.9	60.6	478.7	Mottled		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD581	11.7	12.6	0.9	184.1	675.6	38.5	126.0	19.7	3.3	13.1	1.9	9.8	1.9	5.0	0.8	4.6	0.7	55.4	1140.2	Clay		
RRMDD581	12.6	13.5	0.8	262.7	280.1	63.3	210.5	33.5	5.5	23.4	3.3	18.1	3.6	9.9	1.4	8.7	1.3	121.5	1046.8	Clay		
RRMDD581	13.5	14.3	0.8	330.7	224.2	76.1	254.3	39.9	6.7	29.2	4.1	23.1	4.8	12.6	1.8	11.5	1.6	161.9	1182.4	Clay		
RRMDD581	14.3	14.9	0.6	340.1	179.3	75.6	254.3	40.2	6.8	31.7	4.4	25.2	5.2	14.0	1.9	11.5	1.7	174.0	1165.9	Clay		
RRMDD581	14.9	15.9	1.0	109.0	165.2	25.6	87.9	14.4	2.5	11.3	1.6	9.4	1.9	5.4	0.8	4.9	0.7	64.9	505.6	Clay		
RRMDD581	15.9	16.6	0.7	166.5	283.8	40.7	140.6	23.1	4.1	18.1	2.6	14.4	2.9	8.0	1.1	7.2	1.0	100.1	814.0	Clay		
RRMDD581	16.6	17.5	0.9	231.6	250.6	56.8	197.7	32.5	5.6	26.4	3.8	22.0	4.8	13.4	1.7	10.7	1.5	167.6	1026.7	Clay		
RRMDD581	17.5	18.3	0.9	350.7	216.8	69.5	240.3	41.5	7.6	35.4	5.1	30.0	6.3	17.0	2.3	13.5	1.8	217.8	1255.5	Clay		
RRMDD581	18.3	19.2	0.9	330.7	294.8	69.0	236.8	39.5	7.0	32.8	4.5	26.4	5.3	14.5	1.9	11.4	1.5	175.2	1251.5	Clay		
RRMDD581	19.2	20.0	0.9	192.9	163.4	41.7	144.6	24.7	4.3	19.8	2.6	14.9	2.9	7.7	1.0	6.3	0.9	90.5	718.3	Clay		
RRMDD581	20.0	20.9	0.8	122.6	133.3	28.5	96.0	16.0	2.7	11.7	1.6	9.3	1.9	5.5	0.8	5.1	0.7	62.4	498.0	Clay		
RRMDD581	20.9	22.2	1.3	54.4	66.1	12.6	44.0	7.2	1.3	5.8	0.8	4.5	1.0	2.9	0.4	2.8	0.4	33.0	237.1	Upper Saprolite		
RRMDD581	22.2	23.5	1.3	63.7	68.9	14.8	52.4	8.6	1.6	7.0	0.9	5.6	1.1	3.3	0.5	3.1	0.5	38.9	270.9	Upper Saprolite		
RRMDD581	23.5	24.8	1.3	76.5	75.3	18.2	67.2	11.4	2.1	9.8	1.5	8.4	1.8	4.9	0.7	4.2	0.6	60.2	342.7	Upper Saprolite		
RRMDD581	24.8	26.1	1.3	67.6	99.3	17.8	67.2	12.4	2.3	9.1	1.3	7.0	1.3	2.9	0.4	2.3	0.3	32.9	323.8	Upper Saprolite	17.8	666
RRMDD581	26.1	27.4	1.3	67.8	107.6	15.2	51.0	8.4	1.5	6.1	0.8	4.7	1.0	2.8	0.4	3.0	0.4	30.5	301.2	Lower Saprolite		
RRMDD581	27.4	28.7	1.3	57.5	99.3	12.9	44.2	7.2	1.2	4.7	0.6	3.8	0.8	2.2	0.4	2.4	0.4	24.3	261.6	Lower Saprolite		
RRMDD581	28.7	30.0	1.3	42.1	85.0	9.6	31.6	5.3	0.9	3.5	0.5	2.8	0.6	1.6	0.3	1.7	0.3	17.1	202.9	Lower Saprolite		
RRMDD582	0.0	1.8	1.8	133.7	490.1	24.6	76.7	12.3	2.1	8.9	1.4	8.4	1.7	4.9	0.8	5.5	0.8	49.8	821.9	Hardcap		
RRMDD582	1.8	3.6	1.8	109.8	1185.4	22.7	73.5	12.6	2.1	8.7	1.5	8.3	1.6	4.7	0.8	5.3	0.7	41.8	1479.3	Hardcap		
RRMDD582	3.6	4.4	0.8	195.9	176.9	26.8	77.4	12.0	2.3	10.4	1.6	9.6	2.0	5.9	0.9	7.0	1.0	64.8	594.5	Mottled		
RRMDD582	4.4	5.2	0.8	108.8	102.0	27.3	99.7	18.3	3.4	18.3	2.7	16.6	3.6	10.7	1.6	10.9	1.6	135.2	560.6	Mottled		
RRMDD582	5.2	6.0	0.8	161.3	149.3	35.2	123.1	21.6	3.8	19.2	2.9	17.3	3.8	11.3	1.6	10.7	1.6	141.0	703.5	Mottled		
RRMDD582	6.0	6.8	0.8	255.7	258.0	79.1	278.8	50.0	8.7	36.9	5.2	28.6	5.7	16.7	2.3	15.0	2.1	198.7	1241.5	Clay		
RRMDD582	6.8	7.6	0.8	296.7	296.0	85.1	302.1	54.2	9.3	40.2	5.6	30.4	5.9	16.4	2.4	15.0	2.1	188.6	1350.1	Clay		
RRMDD582	7.6	8.5	0.9	711.9	635.1	183.6	634.5	110.5	18.9	72.5	9.9	49.8	8.8	22.8	3.3	20.3	2.7	237.5	2722.0	Clay		
RRMDD582	8.5	9.5	0.9	187.1	211.3	53.9	205.9	36.5	6.8	30.5	4.4	24.6	5.0	14.1	2.0	13.2	1.9	160.0	957.1	Clay		
RRMDD582	9.5	10.4	1.0	161.3	242.6	51.2	190.7	34.2	6.5	29.0	4.0	22.9	4.6	13.4	2.0	12.5	1.8	154.3	931.0	Clay		
RRMDD582	10.4	11.2	0.8	441.0	379.6	77.8	247.3	36.8	6.5	29.3	4.1	22.2	4.6	12.8	1.9	12.0	1.8	151.1	1428.6	Pallid		
RRMDD582	11.2	11.9	0.8	212.3	291.1	56.9	214.0	37.9	7.3	33.9	4.8	28.1	5.7	16.9	2.4	15.6	2.2	201.3	1130.5	Pallid		
RRMDD582	11.9	12.7	0.8	106.3	213.7	30.3	121.3	23.9	4.9	25.5	3.8	23.3	5.1	14.9	2.2	14.3	2.0	174.0	765.5	Pallid		
RRMDD582	12.7	13.5	0.8	115.5	208.8	33.2	133.6	26.8	5.3	28.8	4.5	27.0	6.0	18.1	2.6	17.1	2.5	218.4	848.2	Clay		
RRMDD582	13.5	14.3	0.8	117.3	210.1	34.3	135.9	26.8	5.4	27.7	4.2	25.8	5.8	17.4	2.6	17.1	2.5	215.2	848.1	Clay		
RRMDD582	14.3	15.1	0.8	120.2	223.6	35.5	144.1	27.8	5.7	28.6	4.3	25.2	5.4	15.4	2.2	14.1	2.1	193.0	847.2	Clay		
RRMDD582	15.1	16.0	0.8	99.8	189.2	26.3	104.9	20.3	4.4	21.7	3.2	17.2	3.6	10.4	1.5	8.9	1.4	111.5	624.3	Upper Saprolite		
RRMDD582	16.0	16.8	0.8	70.4	138.2	17.2	65.4	11.2	2.3	11.8	1.7	9.1	2.0	5.9	0.8	5.2	0.8	71.0	413.0	Upper Saprolite		
RRMDD582	16.8	17.5	0.8	72.2	155.4	18.6	69.6	12.6	2.7	12.6	1.7	9.7	2.1	6.5	0.9	5.6	0.9	83.8	455.0	Lower Saprolite	14.0	977
RRMDD582	17.5	18.4	0.8	69.5	150.5	16.7	59.7	11.0	2.4	9.6	1.4	7.8	1.6	4.9	0.6	4.1	0.6	52.3	392.7	Saprock		
RRMDD582	18.4	19.2	0.8	61.8	132.7	14.6	52.3	9.7	1.9	7.7	1.1	5.5	1.1	3.2	0.5	3.0	0.4	33.8	329.1	Saprock		
RRMDD583	0.0	1.6	1.6	42.1	192.2	8.5	29.0	5.4	0.9	4.5	0.8	4.7	1.1	2.9	0.5	3.6	0.5	29.1	325.9	Hardcap		
RRMDD583	1.6	3.3	1.6	72.9	644.9	16.1	54.0	9.9	1.6	7.0	1.2	7.2	1.5	4.5	0.7	5.1	0.7	42.7	870.0	Hardcap		
RRMDD583	3.3	4.9	1.6	88.7	563.8	19.8	65.3	11.0	1.9	8.5	1.4	8.4	1.8	5.3	0.8	6.0	0.9	54.0	837.4	Transition		
RRMDD583	4.9	5.8	0.9	80.0	95.7	17.1	57.9	9.8	1.6	8.3	1.3	7.3	1.5	5.0	0.8	5.0	0.8	48.1	340.1	Mottled	0.9	340.1
RRMDD583	5.8	6.6	0.9	63.0	80.1	13.0	44.3	7.0	1.3	6.0	0.9	5.5	1.2	3.7	0.5	3.5	0.6	36.2	266.8	Mottled		
RRMDD583	6.6	7.5	0.9	65.1	92.5	13.2	44.6	7.2	1.2	6.1	0.9	5.5	1.1	3.6	0.5	3.4	0.5	36.2	281.5	Mottled		
RRMDD583	7.5	8.2	0.7	64.2	304.6	13.0	43.5	7.0	1.2	5.9	0.9	5.4	1.1	3.6	0.6	3.6	0.5	35.2	490.4	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD583	8.2	9.0	0.8	42.6	95.3	8.4	27.3	4.6	0.7	3.3	0.5	2.8	0.6	1.8	0.3	1.7	0.3	17.3	207.5	Clay		
RRMDD583	9.0	10.8	1.8	32.1	64.6	8.0	27.9	5.0	0.9	3.7	0.6	3.3	0.7	2.1	0.3	2.2	0.3	19.3	171.1	Clay		
RRMDD583	10.8	11.7	0.9	79.4	124.1	19.0	64.7	11.0	1.8	7.5	1.1	5.9	1.2	3.4	0.5	3.2	0.5	33.9	357.3	Clay		
RRMDD583	11.7	12.6	0.9	116.3	143.7	26.0	89.7	15.0	2.8	11.1	1.6	8.3	1.6	4.3	0.6	3.7	0.6	43.7	468.9	Upper Saprolite		
RRMDD583	12.6	13.5	0.9	180.0	229.7	38.1	134.7	23.0	4.2	19.4	2.7	14.3	2.8	7.6	1.0	5.9	0.9	83.7	748.0	Upper Saprolite		
RRMDD583	13.5	14.4	0.9	189.4	255.5	44.8	158.6	26.6	4.9	21.2	3.1	16.6	3.2	9.3	1.2	7.4	1.1	105.3	848.2	Upper Saprolite		
RRMDD583	14.4	15.6	1.2	63.0	132.7	14.0	48.6	7.9	1.4	6.0	0.9	4.7	0.9	2.9	0.4	2.8	0.4	31.2	317.9	Upper Saprolite		
RRMDD583	15.6	16.4	0.8	143.1	260.4	32.9	118.4	20.5	3.7	17.2	2.4	12.7	2.5	7.1	1.0	5.8	0.9	78.9	707.5	Upper Saprolite		
RRMDD583	16.4	17.2	0.8	117.9	200.2	29.7	114.2	21.6	4.4	20.6	3.2	17.6	3.6	10.4	1.4	8.4	1.2	112.0	666.5	Upper Saprolite		
RRMDD583	17.2	18.0	0.8	110.9	189.2	26.0	99.7	18.7	3.9	19.1	3.0	17.6	3.8	10.7	1.5	8.4	1.3	123.3	637.1	Upper Saprolite		
RRMDD583	18.0	18.5	0.4	169.5	298.5	38.9	138.2	22.1	3.8	16.4	2.2	10.9	2.1	5.6	0.8	4.7	0.7	63.4	777.7	Upper Saprolite		
RRMDD583	18.5	19.9	1.4	63.0	125.3	14.5	49.9	8.0	1.5	6.2	0.8	4.8	1.0	2.8	0.4	2.6	0.4	31.2	312.3	Upper Saprolite		
RRMDD583	19.9	20.6	0.7	81.0	146.2	17.9	63.5	10.5	2.0	8.9	1.3	7.3	1.5	4.1	0.6	3.6	0.5	48.0	396.9	Upper Saprolite		
RRMDD583	20.6	21.5	0.9	68.8	133.9	17.7	66.1	13.0	2.6	11.4	1.8	10.5	2.2	6.4	0.9	4.9	0.7	69.8	410.8	Upper Saprolite		
RRMDD583	21.5	23.0	1.5	36.4	95.0	8.0	28.2	4.5	0.8	3.6	0.5	2.6	0.5	1.5	0.2	1.4	0.2	14.6	197.9	Upper Saprolite		
RRMDD583	23.0	23.9	0.9	93.2	217.4	20.7	69.3	11.1	1.9	7.4	1.0	5.3	1.0	3.0	0.4	3.0	0.4	29.5	464.5	Upper Saprolite		
RRMDD583	23.9	24.8	0.9	76.2	157.8	19.3	72.3	14.0	2.7	12.0	1.8	10.1	2.1	5.7	0.8	4.6	0.7	68.1	448.2	Upper Saprolite		
RRMDD583	24.8	25.8	1.0	107.4	275.2	25.6	91.8	16.4	3.0	13.5	1.9	10.2	2.0	6.0	0.8	4.5	0.7	66.9	625.9	Upper Saprolite		
RRMDD583	25.8	27.1	1.3	78.3	163.4	17.8	61.5	9.5	1.7	6.6	0.9	5.0	1.0	2.7	0.4	2.4	0.4	28.1	379.6	Lower Saprolite		
RRMDD583	27.1	28.5	1.3	84.4	168.9	19.5	64.4	8.9	1.6	6.0	0.8	4.2	0.8	2.2	0.3	2.2	0.3	23.0	387.5	Lower Saprolite		
RRMDD583	28.5	29.8	1.3	95.1	200.8	21.7	74.8	11.8	2.2	9.2	1.2	6.8	1.2	3.5	0.4	2.9	0.4	38.9	471.0	Lower Saprolite		
RRMDD583	29.8	31.1	1.3	81.3	191.0	19.2	69.9	12.1	2.5	10.1	1.4	7.9	1.5	3.9	0.5	3.1	0.5	42.0	446.8	Lower Saprolite		
RRMDD583	31.1	32.4	1.3	69.8	136.4	15.2	51.6	8.1	1.6	6.0	0.9	5.1	1.0	3.0	0.4	2.6	0.4	29.8	331.8	Lower Saprolite		
RRMDD583	32.4	33.8	1.3	75.1	149.9	16.2	54.8	8.7	1.6	6.3	0.9	5.0	1.0	3.1	0.4	2.6	0.4	32.8	358.7	Lower Saprolite		
RRMDD583	33.8	34.5	0.7	53.2	102.7	11.4	37.6	5.6	1.0	3.8	0.5	3.0	0.5	1.5	0.3	1.6	0.3	16.4	239.4	Lower Saprolite		
RRMDD583	34.5	35.1	0.6	82.6	180.6	17.7	59.4	9.2	1.7	7.1	0.9	5.6	1.1	3.3	0.4	3.0	0.5	34.3	407.3	Lower Saprolite		
RRMDD583	35.1	35.8	0.7	44.0	78.9	8.4	28.7	4.6	1.0	3.9	0.5	3.1	0.6	1.8	0.3	1.8	0.3	21.1	199.0	Lower Saprolite		
RRMDD583	35.8	36.4	0.6	106.1	215.0	22.7	73.6	11.0	2.0	8.0	1.0	5.6	1.1	3.1	0.4	3.1	0.4	32.1	485.2	Lower Saprolite		
RRMDD583	36.4	37.6	1.2	77.8	155.4	16.3	54.2	8.2	1.5	5.8	0.8	4.5	0.8	2.2	0.3	2.4	0.4	24.6	355.2	Lower Saprolite	27	441
RRMDD584	0.0	1.5	1.5	102.6	412.7	19.0	61.0	10.4	2.0	7.5	1.2	6.3	1.2	3.6	0.6	4.3	0.6	31.7	664.8	Hardcap		
RRMDD584	1.5	3.0	1.5	82.2	893.0	16.4	52.5	9.0	1.5	7.0	1.2	6.9	1.4	4.4	0.7	5.0	0.7	42.3	1124.2	Transition		
RRMDD584	3.0	4.0	0.9	61.1	106.7	10.7	35.2	5.9	1.1	4.9	0.8	4.9	1.0	3.4	0.5	4.1	0.6	31.7	272.8	Mottled		
RRMDD584	4.0	4.7	0.7	141.9	159.7	36.4	121.3	20.4	3.8	15.2	2.1	12.4	2.3	6.8	1.0	6.7	1.0	70.5	601.3	Mottled		
RRMDD584	4.7	5.4	0.7	375.3	312.0	63.1	195.4	33.6	5.6	23.1	3.2	17.3	3.2	8.7	1.3	7.8	1.2	92.1	1142.9	Mottled		
RRMDD584	5.4	6.1	0.7	265.1	286.2	58.6	194.8	31.7	5.9	24.2	3.4	19.2	3.5	9.8	1.4	9.1	1.3	104.5	1018.6	Mottled		
RRMDD584	6.1	6.6	0.5	228.7	277.6	56.5	192.5	31.8	6.1	25.7	3.6	20.8	4.0	11.4	1.6	10.2	1.5	119.6	991.6	Clay		
RRMDD584	6.6	7.3	0.7	274.4	309.6	70.1	244.9	40.5	7.5	32.6	4.7	26.3	4.9	13.8	1.9	12.1	1.7	154.3	1199.4	Clay		
RRMDD584	7.3	8.0	0.7	353.0	415.2	99.0	358.1	60.5	11.5	47.7	6.7	36.3	6.5	17.6	2.3	14.6	2.0	182.9	1613.8	Clay		
RRMDD584	8.0	8.7	0.7	269.7	324.3	71.0	260.1	44.8	8.9	39.0	5.7	33.3	6.7	19.0	2.6	17.0	2.4	240.0	1344.5	Clay		
RRMDD584	8.7	9.7	0.9	523.1	298.5	79.6	267.1	44.2	8.9	37.6	5.0	27.3	4.6	11.8	1.6	9.7	1.4	129.5	1449.9	Clay		
RRMDD584	9.7	10.3	0.6	133.7	183.0	29.8	104.6	17.1	3.5	15.3	2.4	14.9	3.0	9.2	1.3	8.6	1.3	98.3	626.0	Clay		
RRMDD584	10.3	10.8	0.5	223.4	266.6	56.8	210.5	37.6	7.6	34.2	5.0	30.3	6.1	17.6	2.5	16.1	2.2	203.2	1119.8	Upper Saprolite		
RRMDD584	10.8	11.4	0.6	200.5	249.4	52.7	200.6	35.8	7.7	37.0	5.6	35.1	7.7	22.8	3.2	20.6	3.1	276.8	1158.7	Upper Saprolite		
RRMDD584	11.4	12.3	0.9	141.9	186.7	33.7	128.3	22.1	4.8	23.7	3.5	21.6	4.6	13.6	2.0	12.4	1.9	188.6	789.4	Upper Saprolite		
RRMDD584	12.3	13.2	0.9	101.2	134.5	22.1	84.2	14.4	3.1	16.5	2.4	15.4	3.4	10.2	1.5	9.2	1.4	135.2	554.8	Upper Saprolite		
RRMDD584	13.2	14.2	1.0	103.2	141.9	23.1	88.5	16.3	3.7	18.8	2.8	17.4	3.6	10.4	1.4	9.5	1.4	116.1	558.3	Upper Saprolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD584	14.2	14.7	0.5	78.2	100.6	17.0	61.9	10.6	2.2	9.9	1.4	8.0	1.6	4.9	0.7	4.8	0.7	52.8	355.4	Upper Saprolite	11.8	961
RRMDD584	14.7	15.2	0.6	230.5	241.4	52.8	221.0	40.6	9.7	53.3	7.4	43.6	8.8	24.7	3.3	21.4	3.1	276.8	1238.3	Lower Saprolite		
RRMDD584	15.2	15.8	0.6	74.4	138.2	16.4	63.0	11.4	2.5	12.4	1.8	11.9	2.6	8.4	1.3	9.3	1.4	101.1	456.2	Lower Saprolite		
RRMDD584	15.8	16.7	1.0	65.3	149.3	15.6	55.9	9.9	2.0	8.0	1.1	6.6	1.4	4.1	0.7	4.8	0.7	44.4	369.9	Saprock		
RRMDD584	16.7	17.7	1.0	69.2	152.3	16.4	58.9	10.3	2.1	8.7	1.2	6.9	1.2	3.6	0.5	3.5	0.5	40.5	375.9	Saprock	11.4	1567
RRMDD585	0.0	1.7	1.7	118.5	368.5	25.3	85.3	12.7	2.1	8.4	1.3	7.2	1.4	3.8	0.6	4.1	0.6	38.1	677.8	Hardcap		
RRMDD585	1.7	3.3	1.7	81.9	1190.3	17.0	55.6	9.5	1.7	6.8	1.2	6.6	1.4	4.0	0.6	4.5	0.6	36.1	1417.7	Transition		
RRMDD585	3.3	4.3	1.0	97.7	314.5	28.6	100.2	18.9	3.4	13.1	2.0	10.5	1.9	5.4	0.8	5.6	0.8	54.2	657.6	Mottled		
RRMDD585	4.3	5.3	1.0	133.1	236.5	38.8	138.8	25.6	4.6	18.0	2.6	13.0	2.6	6.9	1.1	6.7	1.0	73.5	702.7	Clay		
RRMDD585	5.3	6.2	1.0	109.0	135.1	29.1	103.2	18.8	3.5	14.5	2.2	11.6	2.4	7.1	1.1	6.9	1.0	77.3	522.7	Clay		
RRMDD585	6.2	7.2	1.0	155.4	231.6	42.9	154.0	29.0	5.2	22.0	3.2	17.6	3.7	10.2	1.4	9.2	1.3	116.6	803.3	Clay		
RRMDD585	7.2	8.0	0.9	139.0	195.9	38.5	136.5	25.2	4.7	19.8	3.0	15.4	3.1	9.0	1.3	8.5	1.2	97.8	698.7	Clay		
RRMDD585	8.0	8.6	0.6	164.8	226.0	45.4	165.0	31.2	6.0	27.1	4.0	21.9	4.6	13.0	1.9	11.4	1.7	155.6	879.7	Clay		
RRMDD585	8.6	9.4	0.8	816.3	863.6	242.8	901.6	165.2	31.7	142.9	19.7	109.6	20.6	58.2	8.5	47.4	6.7	660.3	4095.3	Clay		
RRMDD585	9.4	10.2	0.8	584.1	581.0	156.5	578.5	105.8	21.2	103.8	14.9	87.8	18.1	52.9	8.0	46.6	6.7	638.8	3004.8	Clay		
RRMDD585	10.2	11.0	0.8	274.4	386.9	70.1	255.4	47.0	9.6	49.3	7.2	44.9	9.7	29.4	4.5	25.1	3.9	363.2	1580.5	Clay		
RRMDD585	11.0	11.9	1.0	1137.6	668.2	218.1	874.8	169.3	34.3	187.3	26.3	153.8	30.9	89.3	12.0	74.8	10.6	974.0	4661.5	Upper Saprolite		
RRMDD585	11.9	12.9	1.0	260.4	341.5	61.5	229.8	42.4	8.9	47.3	6.7	40.3	8.3	24.8	3.7	20.8	3.1	309.9	1409.4	Upper Saprolite		
RRMDD585	12.9	13.8	0.9	229.3	218.7	39.0	154.5	27.7	6.5	40.3	5.6	34.5	7.7	23.7	3.5	20.3	3.2	330.2	1144.7	Lower Saprolite		
RRMDD585	13.8	14.7	0.9	77.6	155.4	17.3	61.4	10.0	2.2	10.4	1.5	8.8	1.9	5.7	0.9	5.5	0.9	70.4	429.7	Lower Saprolite		
RRMDD585	14.7	15.7	1.0	67.9	143.1	15.6	53.8	9.1	1.9	7.1	1.0	5.3	1.0	3.1	0.5	3.3	0.5	32.9	346.1	Saprock		
RRMDD585	15.7	16.9	1.2	65.4	141.3	15.6	55.5	9.6	2.1	9.1	1.2	6.7	1.3	3.9	0.6	3.7	0.6	42.4	359.2	Saprock		
RRMDD585	16.9	18.1	1.2	68.4	148.6	15.8	55.8	9.9	2.1	8.6	1.1	6.0	1.1	3.4	0.5	3.2	0.5	36.7	361.5	Saprock		
RRMDD586	0.0	1.9	1.9	51.3	205.1	10.3	35.6	6.4	1.2	4.9	0.9	5.4	1.1	3.3	0.6	4.1	0.6	32.8	363.5	Hardcap		
RRMDD586	1.9	3.9	1.9	82.1	425.0	17.9	61.2	10.0	1.8	7.8	1.3	7.6	1.5	4.6	0.7	5.2	0.8	48.8	676.3	Hardcap		
RRMDD586	3.9	5.8	1.9	103.0	502.4	22.8	77.7	13.0	2.2	9.8	1.6	9.5	2.0	5.8	0.9	6.4	0.9	61.5	819.5	Transition		
RRMDD586	5.8	6.7	0.9	139.0	165.2	30.1	101.4	15.8	2.8	13.3	1.9	11.0	2.2	6.4	1.1	6.8	0.9	68.1	566.0	Mottled		
RRMDD586	6.7	7.6	0.9	107.7	98.4	21.9	74.3	12.2	2.1	10.4	1.5	9.4	1.9	5.9	0.9	6.0	0.9	61.2	414.8	Mottled		
RRMDD586	7.6	8.4	0.8	63.4	61.1	13.4	45.6	7.3	1.3	6.3	0.9	5.5	1.2	3.6	0.6	3.7	0.5	35.7	250.0	Clay		
RRMDD586	8.4	9.3	0.8	156.6	138.8	37.7	124.2	19.7	3.4	14.5	2.0	10.8	2.1	6.0	0.9	5.5	0.8	64.0	587.0	Clay		
RRMDD586	9.3	10.1	0.8	304.9	184.9	67.2	220.4	33.9	5.9	25.1	3.2	17.3	3.1	8.3	1.2	7.2	1.0	91.8	975.6	Clay		
RRMDD586	10.1	11.5	1.4	138.4	219.3	39.0	126.6	20.0	3.2	13.1	1.8	9.5	1.6	4.5	0.7	4.2	0.6	44.2	626.6	Clay		
RRMDD586	11.5	11.9	0.5	139.0	124.7	35.8	121.9	19.7	3.5	13.9	1.9	9.6	1.8	5.1	0.8	4.4	0.7	54.2	536.8	Clay		
RRMDD586	11.9	12.4	0.4	83.2	93.6	21.6	73.0	11.4	2.0	8.4	1.1	5.9	1.0	3.0	0.4	2.8	0.4	30.5	338.4	Clay		
RRMDD586	12.4	13.4	1.0	105.1	145.0	25.3	84.9	13.6	2.4	10.2	1.4	7.7	1.5	4.4	0.7	4.1	0.6	47.1	453.9	Clay		
RRMDD586	13.4	14.3	1.0	115.6	168.3	26.2	91.3	14.8	2.7	11.4	1.5	8.4	1.5	4.5	0.7	4.0	0.6	48.6	500.1	Clay		
RRMDD586	14.3	15.4	1.1	188.2	249.4	43.0	154.5	27.0	5.2	23.9	3.3	19.3	3.7	10.5	1.5	8.4	1.2	114.7	853.9	Upper Saprolite		
RRMDD586	15.4	16.6	1.1	123.1	186.7	28.5	101.0	16.7	3.3	14.9	2.0	11.8	2.2	6.5	1.0	5.6	0.8	73.3	577.3	Upper Saprolite		
RRMDD586	16.6	17.7	1.1	170.1	283.8	37.2	128.9	19.9	3.5	15.6	2.0	10.2	1.8	5.1	0.7	4.4	0.6	55.0	738.8	Upper Saprolite		
RRMDD586	17.7	18.8	1.1	158.9	277.6	37.0	133.6	22.9	4.6	21.9	2.9	17.3	3.3	9.4	1.3	7.2	1.1	114.9	813.8	Upper Saprolite		
RRMDD586	18.8	19.9	1.1	97.6	148.0	21.6	79.1	13.6	2.8	13.3	1.8	10.8	2.1	6.1	0.9	4.8	0.7	68.7	471.9	Upper Saprolite		
RRMDD586	19.9	21.0	1.1	112.2	174.4	23.1	79.2	12.5	2.3	10.4	1.4	7.7	1.4	4.0	0.6	3.6	0.5	44.2	477.5	Upper Saprolite		
RRMDD586	21.0	22.2	1.1	108.2	192.2	23.8	81.2	13.2	2.5	11.9	1.7	10.1	2.1	6.2	0.9	5.4	0.8	72.5	532.8	Upper Saprolite		
RRMDD586	22.2	23.3	1.1	97.3	223.0	21.2	75.1	12.8	2.6	11.0	1.5	8.2	1.5	4.1	0.6	3.7	0.5	43.0	506.1	Upper Saprolite		
RRMDD586	23.3	24.2	0.9	26.0	45.8	5.4	17.4	2.8	0.5	2.0	0.3	1.7	0.4	1.2	0.2	1.5	0.2	13.2	118.8	Upper Saprolite		
RRMDD586	24.2	25.3	1.1	79.2	155.4	17.2	58.7	10.0	1.6	6.8	1.0	5.0	1.0	2.7	0.4	2.7	0.4	29.8	371.9	Upper Saprolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD586	25.3	26.4	1.1	47.0	88.1	10.1	34.9	5.6	1.0	4.1	0.6	3.6	0.8	2.2	0.4	2.3	0.4	25.0	226.1	Upper Saprolite	24.0	512
RRMDD586	26.4	27.5	1.1	67.6	129.6	14.6	50.4	8.7	1.5	6.3	1.0	5.6	1.2	3.2	0.5	3.3	0.5	40.8	334.6	Upper Saprolite		
RRMDD586	27.5	28.6	1.1	83.6	160.9	20.9	78.8	14.7	3.1	13.9	2.4	15.3	3.5	9.4	1.3	7.2	1.0	134.0	550.1	Upper Saprolite		
RRMDD586	28.6	29.8	1.2	65.1	123.5	15.7	57.0	11.0	2.1	8.4	1.3	7.5	1.4	3.7	0.5	3.1	0.5	42.7	343.5	Lower Saprolite		
RRMDD586	29.8	31.0	1.2	58.9	108.7	13.2	46.3	8.0	1.4	5.6	0.8	4.6	0.9	2.7	0.4	2.8	0.4	27.7	282.6	Lower Saprolite		
RRMDD586	31.0	32.2	1.2	57.1	102.6	13.6	48.2	8.6	1.5	6.0	0.9	4.7	0.9	2.5	0.4	2.4	0.4	26.5	276.2	Saprock		
RRMDD587	0.0	1.9	1.9	53.4	613.0	11.4	39.0	6.9	1.2	5.4	1.0	5.7	1.2	3.4	0.6	3.8	0.5	34.3	780.7	Hardcap	3.6	405
RRMDD587	1.9	3.7	1.9	100.3	415.2	22.3	77.6	12.6	2.2	10.1	1.6	9.5	2.0	5.9	0.9	6.1	0.9	62.1	729.4	Transition		
RRMDD587	3.7	4.6	0.9	34.5	87.6	7.1	24.4	3.9	0.7	3.2	0.5	3.0	0.7	2.1	0.3	2.2	0.3	21.3	191.8	Clay		
RRMDD587	4.6	5.5	0.9	72.4	215.0	15.3	52.5	9.0	1.5	6.8	1.1	6.2	1.4	3.8	0.6	4.1	0.6	42.7	432.8	Clay		
RRMDD587	5.5	6.4	0.9	39.4	160.9	8.2	28.1	4.8	0.8	3.6	0.6	3.6	0.8	2.3	0.4	2.5	0.4	24.3	280.5	Clay		
RRMDD587	6.4	7.3	0.9	89.0	189.2	19.0	65.0	10.7	1.8	8.7	1.4	8.0	1.7	4.8	0.8	5.0	0.7	53.8	459.6	Clay		
RRMDD587	7.3	8.2	0.9	114.2	148.0	24.2	81.4	12.0	2.0	8.0	1.2	6.6	1.3	3.6	0.5	3.4	0.5	40.5	447.4	Clay		
RRMDD587	8.2	9.2	1.0	16.2	69.3	3.5	11.2	1.9	0.3	1.2	0.2	1.1	0.2	0.7	0.1	0.8	0.1	7.1	113.9	Clay		
RRMDD587	9.2	10.3	1.0	33.7	60.4	7.6	24.0	3.6	0.7	2.2	0.3	1.8	0.4	1.0	0.2	1.3	0.2	11.3	148.7	Clay		
RRMDD587	10.3	11.7	1.5	86.2	90.9	19.1	63.9	10.1	1.8	6.6	1.0	5.3	1.1	3.0	0.4	2.9	0.4	33.9	326.7	Clay		
RRMDD587	11.7	12.6	0.9	33.5	29.5	7.8	25.5	4.0	0.7	2.0	0.3	1.5	0.3	0.8	0.1	0.9	0.1	7.9	115.0	Upper Saprolite		
RRMDD587	12.6	13.5	0.9	36.2	54.7	7.6	25.0	3.6	0.6	1.8	0.3	1.3	0.3	0.7	0.1	0.8	0.1	7.2	140.4	Upper Saprolite		
RRMDD587	13.5	14.4	0.9	116.5	227.3	25.7	90.0	14.7	2.7	9.5	1.4	7.2	1.4	3.9	0.6	3.4	0.5	43.7	548.5	Upper Saprolite		
RRMDD587	14.4	15.4	0.9	98.5	165.2	21.9	78.4	13.7	2.6	10.2	1.5	8.4	1.7	4.6	0.6	3.9	0.6	52.2	464.1	Upper Saprolite		
RRMDD587	15.4	16.3	0.9	112.8	223.6	25.0	91.7	15.8	3.2	12.7	1.9	10.2	2.0	5.1	0.7	4.3	0.6	56.4	566.0	Upper Saprolite		
RRMDD587	16.3	17.2	0.9	72.5	143.1	15.3	53.5	9.0	1.6	6.3	1.0	5.4	1.1	3.0	0.4	2.8	0.4	34.9	350.4	Upper Saprolite		
RRMDD587	17.2	18.1	0.9	123.1	216.2	24.9	88.5	15.1	2.8	11.1	1.7	8.7	1.8	4.3	0.6	3.9	0.5	51.7	555.0	Upper Saprolite		
RRMDD587	18.1	19.1	0.9	83.5	185.5	18.2	63.8	11.1	2.0	7.6	1.2	6.6	1.3	3.5	0.5	3.1	0.5	38.6	427.0	Upper Saprolite		
RRMDD587	19.1	20.0	0.9	134.3	264.1	30.2	105.8	17.6	3.2	12.4	1.9	9.5	1.9	4.7	0.7	4.1	0.6	52.3	643.3	Upper Saprolite		
RRMDD587	20.0	20.9	0.9	88.9	186.1	18.8	63.5	10.2	1.9	7.2	1.1	5.9	1.3	3.4	0.5	3.5	0.5	41.7	434.4	Upper Saprolite		
RRMDD587	20.9	22.0	1.1	52.0	112.2	15.0	55.3	9.9	1.9	6.8	1.0	5.5	1.0	2.7	0.4	2.5	0.3	29.7	296.1	Upper Saprolite		
RRMDD587	22.0	23.2	1.1	59.3	106.3	13.4	45.6	7.1	1.3	5.0	0.8	4.4	1.0	2.8	0.4	2.9	0.4	30.9	281.6	Upper Saprolite		
RRMDD587	23.2	24.1	1.0	122.0	214.4	24.6	83.0	12.3	2.1	8.2	1.2	5.9	1.1	3.0	0.4	2.8	0.4	33.8	515.3	Upper Saprolite		
RRMDD587	24.1	25.1	1.0	108.5	214.4	23.3	79.2	13.2	2.5	10.4	1.5	9.1	1.9	5.0	0.7	4.6	0.6	59.8	534.4	Upper Saprolite		
RRMDD587	25.1	26.1	1.0	84.4	200.8	18.9	68.0	11.5	2.0	7.6	1.1	6.1	1.2	3.6	0.5	3.0	0.5	35.4	444.5	Upper Saprolite		
RRMDD587	26.1	26.8	0.8	90.1	165.8	21.1	77.9	13.2	2.1	8.7	1.3	7.1	1.3	3.6	0.5	3.1	0.4	36.1	432.3	Upper Saprolite		
RRMDD587	26.8	27.6	0.8	72.4	130.8	15.8	58.2	9.4	1.6	6.1	0.8	4.4	0.9	2.4	0.3	2.1	0.3	23.2	328.8	Upper Saprolite		
RRMDD587	27.6	28.5	0.9	93.9	182.4	20.7	74.9	12.0	2.1	8.6	1.4	7.8	1.6	4.8	0.6	4.0	0.6	50.5	465.8	Upper Saprolite		
RRMDD587	28.5	29.4	0.9	77.9	165.2	16.7	57.9	9.0	1.5	5.9	0.9	5.0	1.0	3.1	0.4	3.0	0.4	32.9	380.9	Upper Saprolite		
RRMDD587	29.4	30.3	0.9	61.7	120.9	13.5	47.5	7.4	1.2	4.8	0.7	4.1	0.9	2.7	0.4	2.4	0.3	26.4	294.9	Upper Saprolite		
RRMDD587	30.3	31.2	0.9	81.5	145.6	18.8	67.4	10.8	1.8	7.4	1.2	7.4	1.6	5.0	0.7	4.2	0.6	54.4	408.4	Upper Saprolite		
RRMDD587	31.2	32.0	0.9	66.1	132.7	14.7	52.0	8.1	1.3	5.2	0.8	4.4	0.9	2.8	0.4	2.7	0.4	27.9	320.4	Upper Saprolite		
RRMDD587	32.0	33.2	1.2	79.5	184.3	19.6	69.9	11.3	2.1	7.6	1.2	7.4	1.6	4.7	0.7	4.2	0.6	50.0	444.6	Upper Saprolite		
RRMDD587	33.2	34.0	0.8	68.4	137.0	14.6	52.4	8.7	1.5	5.7	0.8	4.6	1.0	2.7	0.4	2.6	0.4	27.6	328.2	Lower Saprolite		
RRMDD587	34.0	34.8	0.8	76.9	141.3	16.9	61.0	9.7	1.7	6.7	1.0	5.9	1.2	3.5	0.5	3.2	0.4	35.0	364.9	Lower Saprolite		
RRMDD587	34.8	36.2	1.4	75.9	143.7	15.9	55.5	8.7	1.4	5.7	0.9	5.0	1.0	2.9	0.4	2.6	0.4	30.6	350.6	Saprock		
RRMDD587	36.2	37.5	1.4	68.0	146.8	14.8	52.4	8.4	1.4	5.9	0.9	5.2	1.1	3.2	0.5	3.1	0.5	35.0	347.2	Saprock		
RRMDD588	0.0	1.7	1.7	74.5	276.4	14.4	47.5	8.2	1.5	6.4	1.1	6.7	1.4	3.9	0.7	4.7	0.7	38.5	486.4	Hardcap	11.6	410
RRMDD588	1.7	3.3	1.6	86.9	675.6	16.9	55.8	9.7	1.7	7.5	1.3	7.8	1.6	4.6	0.7	5.2	0.7	43.3	919.4	Hardcap		
RRMDD588	3.3	4.9	1.7	103.4	495.0	21.7	73.9	13.2	2.3	10.1	1.7	10.1	2.1	6.0	0.9	6.5	0.9	54.5	802.4	Hardcap		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD588	4.9	5.8	0.8	95.8	205.1	26.0	100.7	18.9	3.4	14.6	2.2	11.8	2.3	6.2	0.8	5.5	0.8	62.5	556.7	Clay	11.3	470
RRMDD588	5.8	6.6	0.8	91.0	216.8	25.3	101.9	20.9	3.8	16.5	2.6	14.7	2.7	7.2	1.0	6.4	0.9	70.0	581.9	Clay		
RRMDD588	6.6	7.5	0.8	96.8	204.5	26.8	106.4	21.6	4.1	16.9	2.7	14.9	2.6	7.2	0.9	6.2	0.9	71.5	583.9	Clay		
RRMDD588	7.5	8.1	0.6	82.0	187.3	22.2	95.1	21.9	4.3	19.7	3.1	17.7	3.3	8.9	1.1	7.1	1.0	85.8	560.4	Clay		
RRMDD588	8.1	8.7	0.6	81.9	191.0	22.1	91.9	21.0	4.1	18.7	3.0	17.0	3.2	8.7	1.1	7.1	1.0	85.2	557.0	Clay		
RRMDD588	8.7	9.5	0.9	72.2	157.8	19.1	80.1	16.7	3.3	14.9	2.4	14.2	2.8	8.0	1.1	6.9	1.0	81.9	482.5	Clay		
RRMDD588	9.5	10.3	0.8	71.8	152.9	18.7	76.7	15.5	3.0	13.9	2.3	13.3	2.7	7.8	1.1	6.5	1.0	81.8	469.0	Clay		
RRMDD588	10.3	11.1	0.7	71.3	165.8	21.7	94.4	16.4	3.0	15.8	2.4	15.8	4.0	12.7	1.7	10.5	1.6	184.8	622.0	Clay		
RRMDD588	11.1	11.8	0.7	70.5	161.5	18.2	71.0	11.9	2.4	10.1	1.5	8.6	2.0	5.9	0.8	5.3	0.8	113.0	483.6	Clay		
RRMDD588	11.8	12.6	0.8	52.8	115.0	12.7	47.8	9.2	1.7	6.3	0.9	5.5	1.1	3.3	0.5	3.3	0.5	42.5	303.1	Clay		
RRMDD588	12.6	13.4	0.8	57.8	133.9	14.4	54.8	10.0	2.0	7.6	1.2	6.8	1.3	3.9	0.5	3.8	0.6	41.8	340.4	Clay		
RRMDD588	13.4	14.1	0.8	57.9	137.0	14.5	55.8	10.3	2.1	8.1	1.3	7.9	1.6	4.9	0.7	4.5	0.7	51.8	358.8	Clay		
RRMDD588	14.1	14.8	0.7	62.4	146.8	15.5	59.8	11.0	2.1	8.6	1.3	7.7	1.6	5.0	0.7	4.6	0.7	51.6	379.4	Upper Saprolite		
RRMDD588	14.8	15.6	0.8	62.4	146.2	15.6	58.6	10.8	2.1	8.3	1.3	7.4	1.5	4.3	0.6	3.9	0.6	45.5	368.9	Upper Saprolite		
RRMDD588	15.6	16.3	0.7	70.6	165.2	17.0	65.4	11.7	2.1	8.4	1.3	7.3	1.5	4.4	0.6	4.3	0.6	42.9	403.3	Lower Saprolite		
RRMDD588	16.3	17.2	0.9	74.1	175.7	18.0	67.8	12.1	2.2	8.4	1.3	7.3	1.4	4.1	0.6	3.8	0.6	43.9	421.2	Saprock		
RRMDD588	17.2	18.1	0.9	60.8	144.3	15.0	57.6	10.4	2.0	7.8	1.2	6.4	1.3	3.4	0.5	3.2	0.5	35.7	350.1	Saprock		
RRMDD588	18.1	19.1	0.9	52.3	121.7	12.6	48.2	8.9	1.7	7.1	1.1	5.9	1.1	3.2	0.5	3.2	0.5	33.8	301.8	Saprock		
RRMDD588	19.1	20.0	0.9	59.7	137.0	14.2	52.7	9.5	2.0	8.0	1.2	6.4	1.3	3.7	0.5	3.6	0.5	38.2	338.4	Saprock		
RRMDD588	20.0	20.9	0.9	61.5	139.4	14.6	54.5	10.0	2.0	8.1	1.2	6.7	1.3	3.9	0.6	3.8	0.5	42.7	350.8	Saprock		
RRMDD588	20.9	21.9	0.9	60.3	140.0	14.6	54.2	10.0	1.9	7.8	1.1	6.0	1.2	3.1	0.4	2.8	0.4	33.3	337.2	Saprock		
RRMDD588	21.9	22.8	0.9	56.8	130.8	13.7	51.9	9.6	1.9	8.0	1.2	6.9	1.4	4.1	0.6	4.0	0.5	46.0	337.2	Saprock		
RRMDD589	0.0	1.4	1.4	175.9	613.0	32.5	96.6	13.5	2.2	9.4	1.6	8.8	1.7	4.7	0.8	5.4	0.8	45.0	1011.9	Hardcap	18.0	588
RRMDD589	1.4	2.8	1.4	171.2	493.8	35.4	116.1	17.1	2.8	11.1	1.8	10.1	2.0	5.7	0.9	6.0	0.9	54.4	929.1	Transition		
RRMDD589	2.8	3.7	0.9	144.3	208.8	28.8	104.6	16.9	2.8	12.0	1.9	10.0	1.9	5.6	0.8	6.3	0.9	56.9	602.6	Clay		
RRMDD589	3.7	4.7	1.0	117.2	181.2	23.1	82.6	13.7	2.3	9.9	1.6	8.9	1.6	5.0	0.7	5.2	0.7	48.6	502.4	Clay		
RRMDD589	4.7	5.6	0.9	85.1	184.9	18.3	65.7	10.9	1.8	7.9	1.2	6.9	1.4	4.0	0.6	4.2	0.6	39.9	433.3	Clay		
RRMDD589	5.6	6.6	1.0	62.2	93.8	12.9	47.6	7.8	1.4	6.6	1.0	6.0	1.2	3.9	0.6	4.0	0.6	38.1	287.8	Clay		
RRMDD589	6.6	7.5	1.0	50.3	102.1	11.2	42.0	8.2	1.5	6.9	1.1	6.7	1.4	4.5	0.7	4.7	0.7	42.5	284.6	Clay		
RRMDD589	7.5	8.5	0.9	125.5	160.9	26.2	89.8	14.4	2.6	10.7	1.6	8.7	1.6	5.0	0.7	4.8	0.7	50.5	503.9	Clay		
RRMDD589	8.5	9.4	1.0	53.6	93.2	12.1	45.5	8.6	1.6	7.7	1.3	7.7	1.6	4.9	0.7	5.1	0.7	53.8	298.2	Clay		
RRMDD589	9.4	10.4	0.9	85.5	132.1	21.9	76.0	12.5	2.2	9.8	1.6	9.1	1.8	5.4	0.8	5.4	0.8	57.1	422.2	Clay		
RRMDD589	10.4	11.2	0.9	66.0	165.8	21.1	89.1	20.3	4.0	18.7	3.1	18.2	3.6	11.7	1.6	10.8	1.5	122.3	557.9	Clay		
RRMDD589	11.2	12.1	0.9	127.8	281.3	32.5	128.9	26.2	5.1	24.7	4.0	23.6	4.8	14.1	2.0	13.1	1.8	165.1	855.0	Clay		
RRMDD589	12.1	13.0	0.9	103.9	235.9	30.8	135.3	31.1	6.5	33.0	5.3	31.9	6.7	19.7	2.7	16.9	2.5	276.8	939.0	Clay		
RRMDD589	13.0	13.8	0.9	122.0	266.6	37.3	167.4	42.2	8.6	42.9	6.6	35.2	6.4	17.2	2.2	13.6	1.8	202.5	972.5	Clay		
RRMDD589	13.8	14.7	0.9	94.1	207.6	31.4	149.3	34.9	7.6	41.5	6.5	38.0	7.7	22.0	2.9	18.2	2.5	261.6	925.8	Clay		
RRMDD589	14.7	15.6	0.9	87.7	195.9	28.9	136.5	33.5	7.1	39.0	6.5	38.6	8.0	23.3	3.2	19.9	2.9	276.8	907.6	Clay		
RRMDD589	15.6	16.1	0.5	99.9	235.9	30.7	133.0	29.9	6.1	34.7	5.1	31.4	6.9	20.7	2.8	17.0	2.5	247.0	903.5	Clay		
RRMDD589	16.1	16.7	0.6	96.3	226.6	27.1	116.3	22.9	4.5	26.7	3.8	24.6	5.7	18.5	2.6	14.6	2.3	271.8	864.2	Clay		
RRMDD589	16.7	17.7	1.0	90.1	216.2	21.8	80.7	14.8	2.6	11.9	1.8	10.1	1.9	5.6	0.8	5.1	0.7	73.1	537.3	Upper Saprolite		
RRMDD589	17.7	18.8	1.0	88.5	214.4	21.4	79.0	13.6	2.7	10.6	1.6	8.4	1.6	4.8	0.7	4.4	0.6	50.9	503.2	Lower Saprolite		
RRMDD589	18.8	19.8	1.0	70.1	154.2	16.1	57.2	9.7	1.7	7.5	1.1	6.2	1.2	3.6	0.5	3.5	0.5	38.4	371.4	Lower Saprolite		
RRMDD589	19.8	20.8	1.0	103.6	215.6	23.4	81.6	13.6	2.2	9.8	1.3	6.9	1.3	3.6	0.5	3.3	0.5	38.2	505.2	Lower Saprolite		
RRMDD589	20.8	21.6	0.8	83.4	180.0	19.6	69.4	11.5	1.9	8.0	1.1	5.6	1.0	3.1	0.4	2.9	0.5	32.5	420.9	Saprock		
RRMDD589	21.6	22.4	0.8	122.6	267.8	28.0	99.4	16.8	2.9	12.3	1.7	8.7	1.6	4.6	0.7	4.1	0.6	47.6	619.3	Saprock		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD590	0.0	1.5	1.5	77.1	158.5	16.2	54.9	9.8	1.7	7.8	1.3	8.3	1.8	5.2	0.8	5.5	0.8	52.8	402.6	Hardcap	0.8	367.3
RRMDD590	1.5	3.1	1.5	54.4	578.6	11.0	37.3	6.7	1.1	5.0	0.9	5.3	1.1	3.3	0.5	3.8	0.5	31.9	741.6	Hardcap		
RRMDD590	3.1	4.6	1.5	56.1	590.9	12.6	43.4	7.8	1.4	6.1	1.1	6.4	1.4	4.0	0.6	4.7	0.6	37.6	774.7	Transition		
RRMDD590	4.6	5.4	0.8	78.5	138.8	15.2	53.1	8.6	1.4	7.2	1.2	7.0	1.4	4.4	0.7	4.5	0.7	44.7	367.3	Clay		
RRMDD590	5.4	6.2	0.8	36.8	56.4	7.2	24.5	3.9	0.6	3.4	0.6	3.6	0.7	2.2	0.4	2.3	0.4	22.4	165.4	Clay		
RRMDD590	6.2	7.0	0.8	17.7	34.5	3.6	12.5	2.1	0.3	1.5	0.3	1.9	0.4	1.2	0.2	1.5	0.2	12.3	90.3	Clay		
RRMDD590	7.0	7.8	0.8	47.4	85.5	10.5	37.9	6.2	1.1	4.7	0.8	5.0	1.0	3.1	0.5	3.4	0.5	32.8	240.4	Clay		
RRMDD590	7.8	8.4	0.5	56.9	314.5	14.8	52.4	8.6	1.5	5.6	0.8	4.3	0.7	1.9	0.3	2.2	0.3	20.6	485.4	Clay		
RRMDD590	8.4	9.3	0.9	110.2	346.4	27.3	97.3	15.5	2.6	11.3	1.6	9.5	1.8	5.1	0.8	4.7	0.7	56.4	691.3	Clay		
RRMDD590	9.3	10.1	0.9	126.1	143.1	26.2	93.4	14.8	2.6	11.9	1.7	10.3	1.9	5.5	0.8	5.2	0.7	62.9	507.0	Clay		
RRMDD590	10.1	11.0	0.9	138.4	194.1	30.1	107.8	18.3	3.0	12.4	1.8	10.6	1.9	5.3	0.8	4.7	0.7	59.7	589.5	Clay		
RRMDD590	11.0	11.9	0.9	124.9	160.3	25.4	92.0	15.5	2.9	12.4	1.8	9.8	1.8	4.7	0.6	3.8	0.6	54.7	511.1	Clay		
RRMDD590	11.9	12.8	0.9	166.5	186.1	45.4	166.8	27.4	4.8	19.8	2.8	15.8	2.9	7.8	1.1	6.8	0.9	88.4	743.4	Clay		
RRMDD590	12.8	13.6	0.8	129.0	178.1	27.5	102.1	17.3	2.9	13.1	2.0	12.0	2.2	5.7	0.8	4.5	0.6	70.1	567.9	Clay		
RRMDD590	13.6	14.4	0.8	159.5	176.3	50.1	187.2	33.0	5.5	22.1	3.1	17.6	3.1	8.2	1.1	6.8	1.0	93.6	768.2	Clay		
RRMDD590	14.4	15.5	1.1	17.8	25.3	4.1	15.2	3.0	0.5	2.2	0.3	2.2	0.4	1.4	0.2	1.4	0.2	15.2	89.5	Clay		
RRMDD590	15.5	16.6	1.1	29.6	42.5	6.0	21.3	3.7	0.7	2.8	0.4	2.4	0.5	1.4	0.2	1.3	0.2	15.0	128.0	Clay		
RRMDD590	16.6	17.4	0.9	82.0	145.6	18.3	67.5	11.4	2.3	10.5	1.6	9.7	1.9	4.9	0.6	3.7	0.5	62.4	423.0	Upper Saprolite		
RRMDD590	17.4	18.3	0.9	66.4	125.9	14.9	53.9	11.0	2.1	12.3	2.0	13.4	2.9	8.0	1.0	5.6	0.7	92.1	412.1	Upper Saprolite		
RRMDD590	18.3	19.2	0.9	67.3	124.1	16.3	61.4	13.3	2.7	13.1	2.1	12.8	2.6	7.4	0.9	5.4	0.7	82.8	412.9	Upper Saprolite		
RRMDD590	19.2	20.1	0.9	80.5	199.0	22.2	89.3	18.1	3.5	15.3	2.4	13.9	2.5	6.5	0.8	4.9	0.7	71.5	531.1	Upper Saprolite		
RRMDD590	20.1	20.9	0.9	67.9	129.0	16.1	61.4	10.7	2.0	9.2	1.3	8.4	1.6	4.3	0.6	3.2	0.5	47.9	364.0	Upper Saprolite		
RRMDD590	20.9	21.8	0.9	75.1	120.8	15.8	54.5	10.4	1.8	8.4	1.2	6.9	1.4	3.6	0.5	3.0	0.4	41.5	345.2	Upper Saprolite		
RRMDD590	21.8	22.8	1.0	87.0	188.6	22.5	86.0	17.9	3.7	17.2	3.0	20.4	4.2	11.3	1.5	8.1	1.0	136.5	609.0	Upper Saprolite		
RRMDD590	22.8	23.9	1.0	134.9	276.4	37.1	151.0	29.6	5.8	24.9	3.6	20.0	3.5	8.6	1.1	6.0	0.7	96.8	799.9	Upper Saprolite		
RRMDD590	23.9	24.8	1.0	71.3	153.6	15.6	55.6	10.2	1.9	7.9	1.1	6.2	1.3	4.0	0.5	3.4	0.5	38.0	371.2	Upper Saprolite		
RRMDD590	24.8	25.8	1.0	26.5	71.9	5.6	19.1	2.9	0.5	2.2	0.3	2.0	0.4	1.3	0.2	1.4	0.2	12.2	146.7	Upper Saprolite		
RRMDD590	25.8	26.8	1.0	59.6	111.3	13.0	42.2	6.2	1.1	3.9	0.5	3.2	0.7	2.0	0.3	2.2	0.4	21.5	268.0	Upper Saprolite		
RRMDD590	26.8	27.8	1.0	28.3	55.4	6.5	21.5	3.4	0.5	2.2	0.4	2.2	0.5	1.5	0.3	1.8	0.3	14.2	138.7	Upper Saprolite		
RRMDD590	27.8	29.1	1.3	19.9	49.8	4.7	17.0	2.9	0.5	2.4	0.4	2.5	0.5	1.3	0.2	1.3	0.2	14.9	118.4	Upper Saprolite		
RRMDD590	29.1	30.3	1.3	21.2	54.4	5.1	18.2	3.1	0.5	2.5	0.4	2.6	0.5	1.4	0.2	1.4	0.2	16.4	128.2	Upper Saprolite		
RRMDD590	30.3	31.1	0.8	51.5	85.1	10.7	35.5	5.5	1.0	4.0	0.6	3.6	0.7	2.1	0.3	2.3	0.3	22.5	225.6	Upper Saprolite		
RRMDD590	31.1	32.0	0.8	59.8	88.4	11.6	40.0	6.5	1.1	5.0	0.7	3.9	0.8	2.5	0.4	2.3	0.4	25.0	248.4	Upper Saprolite		
RRMDD590	32.0	32.8	0.8	63.4	92.9	12.1	41.2	6.8	1.2	4.9	0.8	4.5	0.8	2.6	0.4	2.3	0.4	27.7	261.9	Upper Saprolite		
RRMDD590	32.8	33.6	0.8	56.6	88.4	11.0	37.3	6.0	1.1	4.3	0.7	4.0	0.9	2.5	0.4	2.5	0.4	26.7	242.9	Upper Saprolite		
RRMDD590	33.6	34.5	0.9	20.5	33.4	4.2	16.1	2.9	0.6	2.1	0.3	1.9	0.4	1.1	0.1	1.1	0.2	10.8	95.8	Lower Saprolite		
RRMDD590	34.5	34.9	0.4	131.4	225.4	38.1	163.3	36.5	7.5	32.0	4.5	22.3	3.6	8.2	0.9	4.8	0.6	98.0	777.2	Lower Saprolite		
RRMDD590	34.9	36.0	1.1	20.2	30.2	4.0	14.3	2.3	0.4	1.7	0.2	1.3	0.3	0.8	0.1	0.9	0.1	7.9	84.8	Lower Saprolite		
RRMDD591	0.0	1.6	1.6	103.6	474.2	18.5	57.6	10.0	1.7	7.6	1.3	7.7	1.6	4.4	0.7	5.1	0.7	40.5	735.3	Hardcap		
RRMDD591	1.6	3.2	1.6	168.9	662.1	31.8	102.8	16.9	2.9	11.8	2.0	11.4	2.2	6.3	1.0	7.1	1.0	56.3	1084.2	Transition		
RRMDD591	3.2	3.8	0.7	117.9	197.2	31.3	112.7	21.2	3.4	14.3	2.2	11.2	2.1	5.5	0.9	5.3	0.8	54.4	580.3	Clay		
RRMDD591	3.8	4.5	0.7	95.3	192.2	24.3	93.5	17.5	3.3	13.9	2.1	10.9	2.1	6.1	0.9	5.4	0.9	55.6	524.2	Clay		
RRMDD591	4.5	5.4	0.9	92.8	197.8	24.9	100.9	19.9	3.6	17.5	2.7	14.5	3.1	9.1	1.3	7.6	1.2	95.4	592.2	Clay		
RRMDD591	5.4	6.0	0.6	77.5	173.2	24.0	134.1	44.9	10.5	79.5	13.2	84.9	23.0	70.8	10.0	56.8	9.2	1031.2	1843.0	Clay		
RRMDD591	6.0	6.7	0.6	74.2	167.1	19.0	82.7	16.2	3.5	18.9	2.8	16.4	4.2	13.0	1.9	10.7	1.8	199.4	631.7	Clay		
RRMDD591	6.7	7.3	0.6	69.9	157.2	16.6	60.8	11.1	2.2	8.9	1.3	6.8	1.4	3.9	0.6	3.7	0.6	41.7	386.4	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD591	7.3	8.0	0.8	71.8	165.8	16.6	60.2	10.9	2.0	9.0	1.3	7.6	1.7	4.8	0.7	4.3	0.7	51.2	408.6	Upper Saprolite		
RRMDD591	8.0	8.8	0.8	70.6	165.8	17.1	61.8	11.2	2.2	8.6	1.3	6.7	1.4	4.0	0.6	3.7	0.6	42.5	398.2	Upper Saprolite		
RRMDD591	8.8	9.6	0.8	74.1	166.4	17.3	63.3	11.2	2.2	8.8	1.3	7.2	1.4	4.3	0.6	3.7	0.6	41.4	403.9	Upper Saprolite		
RRMDD591	9.6	10.5	0.9	69.9	154.2	16.4	59.6	10.8	2.0	8.6	1.3	6.2	1.2	3.5	0.5	3.4	0.5	36.2	374.3	Upper Saprolite		
RRMDD591	10.5	11.4	0.9	64.5	143.1	15.3	54.8	10.2	1.9	7.8	1.2	6.3	1.3	3.8	0.6	3.6	0.5	39.7	354.6	Upper Saprolite		
RRMDD591	11.4	12.4	0.9	70.8	159.7	16.6	60.7	11.1	2.2	9.5	1.5	8.0	1.8	5.0	0.7	4.5	0.7	54.0	406.6	Upper Saprolite		
RRMDD591	12.4	13.3	0.9	64.9	146.8	15.1	55.1	10.2	2.0	8.4	1.2	6.9	1.5	4.4	0.6	3.9	0.6	44.1	365.4	Upper Saprolite		
RRMDD591	13.3	14.2	0.9	71.2	157.8	16.7	61.6	11.1	2.2	8.7	1.3	7.1	1.5	4.1	0.6	3.6	0.6	42.3	390.3	Upper Saprolite		
RRMDD591	14.2	15.1	0.9	65.6	148.0	15.3	55.2	10.0	1.9	7.9	1.1	6.1	1.2	3.4	0.5	3.2	0.5	33.4	353.3	Upper Saprolite		
RRMDD591	15.1	16.0	0.9	67.4	167.1	15.1	54.6	10.2	2.0	9.0	1.4	8.1	1.7	5.3	0.8	4.7	0.7	55.1	403.3	Upper Saprolite		
RRMDD591	16.0	16.9	0.9	67.3	149.3	15.6	57.3	10.6	2.1	7.9	1.2	6.0	1.2	3.5	0.5	3.5	0.5	33.4	359.8	Upper Saprolite		
RRMDD591	16.9	17.9	0.9	69.3	158.5	16.3	58.8	10.7	2.0	8.3	1.2	6.9	1.4	4.0	0.6	3.6	0.5	40.8	382.8	Lower Saprolite		
RRMDD591	17.9	18.8	0.9	66.7	157.8	15.6	57.9	10.7	2.0	8.1	1.2	6.6	1.4	4.0	0.6	3.6	0.5	41.5	378.2	Lower Saprolite		
RRMDD591	18.8	19.7	0.9	68.1	154.8	16.0	58.1	10.4	2.0	8.0	1.2	6.0	1.2	3.5	0.5	3.4	0.5	33.7	367.3	Lower Saprolite		
RRMDD591	19.7	20.7	0.9	65.2	152.3	15.2	56.3	10.3	1.9	8.1	1.3	7.0	1.5	4.3	0.6	3.8	0.6	46.1	374.7	Lower Saprolite		
RRMDD591	20.7	21.6	0.9	63.7	150.5	14.8	54.9	9.9	1.9	7.8	1.1	6.4	1.4	3.9	0.6	3.4	0.5	40.4	361.3	Lower Saprolite		
RRMDD591	21.6	22.5	0.9	68.3	159.1	15.8	59.3	10.4	2.0	7.9	1.2	6.2	1.3	3.5	0.5	3.3	0.5	34.0	373.3	Lower Saprolite		
RRMDD591	22.5	23.4	0.9	67.7	164.6	16.1	58.1	10.7	2.0	7.9	1.2	6.2	1.3	3.6	0.6	3.5	0.5	38.2	382.1	Lower Saprolite		
RRMDD591	23.4	24.4	0.9	70.4	171.4	16.2	60.4	10.9	2.1	8.1	1.2	6.6	1.4	3.8	0.5	3.6	0.5	41.1	398.2	Lower Saprolite	21.2	451
RRMDD591	24.4	25.3	0.9	69.0	166.4	15.9	58.7	10.5	1.9	8.0	1.2	7.1	1.5	4.6	0.7	4.0	0.6	47.6	397.6	Saprock		
RRMDD592	0.0	1.6	1.6	122.6	410.3	25.5	84.8	14.5	2.5	10.7	1.7	10.1	2.0	5.9	0.9	6.2	0.9	58.0	756.6	Hardcap		
RRMDD592	1.6	3.3	1.6	128.4	689.1	28.6	100.1	18.4	3.2	13.3	2.2	12.2	2.3	6.6	1.0	6.9	0.9	59.8	1073.1	Hardcap		
RRMDD592	3.3	4.2	0.9	112.8	249.4	23.1	82.3	14.7	2.4	11.2	1.7	9.7	1.9	5.7	0.9	5.3	0.8	56.8	578.7	Mottled		
RRMDD592	4.2	4.9	0.7	128.4	199.6	27.7	98.6	16.1	2.7	10.8	1.6	8.3	1.6	4.6	0.7	4.2	0.7	46.1	551.7	Mottled		
RRMDD592	4.9	5.6	0.8	104.4	168.9	22.4	78.5	13.6	2.2	9.2	1.4	7.2	1.4	4.2	0.6	3.9	0.6	41.0	459.5	Mottled		
RRMDD592	5.6	6.4	0.7	95.5	162.8	21.6	79.2	13.8	2.4	10.5	1.6	8.7	1.8	5.0	0.8	4.8	0.7	48.9	458.0	Mottled		
RRMDD592	6.4	7.3	0.9	74.4	140.7	16.7	63.2	11.4	2.2	9.8	1.5	8.6	1.7	5.4	0.8	5.1	0.8	53.3	395.6	Clay		
RRMDD592	7.3	8.1	0.9	70.6	139.4	16.9	66.6	13.6	2.7	12.9	2.0	11.6	2.5	7.1	1.1	6.4	1.0	75.9	430.2	Clay		
RRMDD592	8.1	9.0	0.9	71.2	140.7	17.9	74.3	15.8	3.0	17.2	2.8	18.0	4.1	12.6	1.8	10.2	1.6	172.7	563.9	Clay		
RRMDD592	9.0	9.8	0.8	97.9	188.6	26.5	115.4	25.6	5.4	32.0	5.6	37.1	8.6	26.2	3.8	21.5	3.2	369.5	967.0	Clay		
RRMDD592	9.8	10.4	0.5	67.6	140.7	20.3	91.2	20.7	4.1	25.1	4.1	25.5	5.7	16.2	2.2	12.6	1.8	194.3	632.2	Clay		
RRMDD592	10.4	11.2	0.8	86.7	190.4	21.7	87.7	17.2	3.3	17.3	2.7	15.8	3.5	9.6	1.4	7.8	1.2	123.3	589.6	Clay		
RRMDD592	11.2	12.0	0.8	80.7	180.0	19.3	75.6	14.4	2.7	13.5	1.9	10.8	2.2	6.2	0.9	5.0	0.7	73.9	487.7	Clay		
RRMDD592	12.0	12.8	0.8	82.2	180.0	19.6	76.9	14.6	2.8	13.0	1.8	10.9	2.2	6.2	0.9	5.1	0.8	76.8	493.6	Clay		
RRMDD592	12.8	13.6	0.8	75.8	164.0	17.5	68.2	12.6	2.3	11.0	1.5	9.3	2.0	5.8	0.8	4.9	0.8	71.5	448.0	Clay		
RRMDD592	13.6	14.5	0.8	82.8	178.1	18.8	69.1	12.8	2.4	10.1	1.5	8.0	1.6	4.6	0.7	3.9	0.6	60.7	455.8	Clay		
RRMDD592	14.5	15.4	0.9	71.0	157.8	16.0	58.7	10.8	2.0	8.8	1.3	7.2	1.4	4.4	0.7	4.1	0.6	52.7	397.4	Clay		
RRMDD592	15.4	16.3	0.9	74.0	167.7	16.9	63.5	11.8	2.3	9.8	1.4	7.6	1.5	4.7	0.7	3.9	0.6	50.8	417.2	Clay		
RRMDD592	16.3	17.2	0.9	68.1	155.4	15.9	59.1	11.1	2.0	8.2	1.2	7.0	1.4	4.0	0.6	3.8	0.6	44.2	382.5	Clay		
RRMDD592	17.2	18.1	0.9	66.5	153.6	15.6	57.9	10.9	2.1	8.1	1.2	6.8	1.4	4.0	0.6	3.6	0.5	43.0	376.0	Clay		
RRMDD592	18.1	19.0	0.9	68.7	157.8	15.9	60.8	10.9	2.2	9.2	1.4	7.7	1.5	4.4	0.7	3.9	0.6	50.2	396.0	Clay		
RRMDD592	19.0	19.8	0.9	65.0	148.0	15.1	56.8	10.7	2.2	8.8	1.3	7.5	1.6	4.5	0.7	3.7	0.6	48.9	375.3	Clay		
RRMDD592	19.8	20.7	0.9	68.8	156.6	15.9	59.7	11.4	2.3	8.5	1.4	7.5	1.5	4.4	0.7	3.9	0.6	48.4	391.7	Clay		
RRMDD592	20.7	21.5	0.9	67.1	151.7	15.6	57.7	10.9	2.2	8.6	1.3	7.1	1.4	4.1	0.6	3.6	0.6	44.6	377.1	Clay		
RRMDD592	21.5	22.4	0.9	68.1	157.2	16.3	60.5	11.5	2.2	8.9	1.3	6.9	1.4	3.9	0.6	3.6	0.5	44.7	387.6	Clay		
RRMDD592	22.4	23.3	0.9	53.6	119.2	12.4	46.1	8.8	1.9	7.5	1.2	7.1	1.5	4.2	0.6	3.8	0.5	43.8	312.1	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD592	23.3	24.1	0.9	57.2	133.9	15.2	55.4	11.2	2.3	8.8	1.3	7.5	1.5	4.1	0.6	3.9	0.6	42.5	346.1	Lower Saprolite	21.7	458
RRMDD592	24.1	25.0	0.9	59.9	138.8	15.5	54.6	11.3	2.3	8.6	1.3	7.2	1.4	3.9	0.6	3.6	0.5	41.9	351.2	Lower Saprolite		
RRMDD592	25.0	25.9	0.9	53.5	123.5	13.5	47.1	9.1	1.8	7.0	1.1	6.2	1.3	3.4	0.5	3.5	0.5	37.1	309.2	Lower Saprolite		
RRMDD592	25.9	26.8	0.9	55.2	127.1	14.0	48.6	9.6	1.8	6.9	1.0	5.9	1.2	3.2	0.5	3.3	0.5	35.7	314.7	Saprock		
RRMDD592	26.8	27.6	0.9	55.4	129.0	14.4	48.9	10.2	1.9	7.6	1.2	6.4	1.3	3.6	0.5	3.7	0.5	39.0	323.4	Saprock		
RRMDD592	27.6	28.6	1.0	55.2	129.6	14.4	49.9	9.5	1.9	7.5	1.2	6.3	1.2	3.4	0.5	3.4	0.5	36.2	320.9	Saprock		
RRMDD592	28.6	29.6	1.0	46.6	107.4	11.9	41.2	8.3	1.7	6.5	1.0	6.0	1.3	3.3	0.5	3.5	0.5	37.1	276.7	Saprock		
RRMDD592	29.6	30.6	1.0	51.6	119.2	13.1	46.2	8.8	1.8	6.9	1.1	5.9	1.2	3.2	0.5	3.0	0.5	34.4	297.2	Saprock		
RRMDD592	30.6	31.5	1.0	56.9	133.3	14.7	50.3	9.7	1.7	7.1	1.1	5.8	1.2	3.2	0.5	3.2	0.4	33.9	323.1	Saprock		
RRMDD592	31.5	32.5	1.0	69.1	160.3	17.2	60.2	11.5	2.1	8.4	1.3	6.9	1.4	3.8	0.6	3.7	0.5	40.6	387.7	Saprock		
RRMDD593	0.0	1.6	1.6	93.0	314.5	15.7	49.0	7.9	1.4	6.2	1.0	6.2	1.3	3.7	0.6	4.4	0.6	34.2	539.6	Hardcap		
RRMDD593	1.6	3.2	1.6	130.8	850.1	25.6	82.9	13.9	2.4	10.1	1.7	9.9	1.9	5.7	0.9	6.4	0.9	50.9	1194.1	Transition		
RRMDD593	3.2	3.9	0.7	195.9	288.7	49.1	177.9	26.7	4.1	16.8	2.3	12.1	2.3	5.9	0.9	5.8	0.8	58.8	848.0	Mottled		
RRMDD593	3.9	4.8	0.9	141.3	208.2	33.6	118.4	19.6	3.3	12.9	1.9	10.5	2.0	5.2	0.8	5.3	0.8	53.0	616.7	Mottled		
RRMDD593	4.8	5.8	0.9	117.2	173.8	27.3	97.6	17.9	3.2	13.0	2.1	11.4	2.1	5.8	0.8	5.6	0.8	60.4	539.1	Mottled		
RRMDD593	5.8	6.8	1.1	99.2	166.4	23.9	88.1	16.6	3.0	13.0	2.0	11.1	2.2	5.9	0.9	5.8	0.8	62.7	501.5	Clay		
RRMDD593	6.8	7.4	0.6	92.7	173.2	23.3	87.6	17.8	3.4	14.9	2.3	12.5	2.3	6.3	0.9	5.8	0.8	67.6	511.3	Clay		
RRMDD593	7.4	8.0	0.6	94.3	182.4	23.6	89.1	17.6	3.3	14.0	2.2	12.5	2.3	6.4	0.9	6.0	0.9	68.8	524.3	Clay		
RRMDD593	8.0	8.9	0.9	82.7	161.5	21.4	80.6	15.9	3.0	13.0	2.0	11.2	2.2	6.0	0.9	5.8	0.9	64.8	471.8	Clay		
RRMDD593	8.9	9.8	0.9	89.3	178.1	22.9	87.1	18.1	3.3	14.5	2.2	12.1	2.3	6.1	0.9	5.8	0.9	66.8	510.3	Clay		
RRMDD593	9.8	10.6	0.8	89.3	161.5	22.5	82.2	15.4	2.6	11.5	1.8	10.0	1.9	5.1	0.7	4.9	0.7	51.8	461.8	Clay		
RRMDD593	10.6	11.3	0.8	98.0	179.3	24.6	90.5	16.4	2.9	13.1	2.0	10.8	2.0	5.1	0.7	4.7	0.6	54.9	505.6	Clay		
RRMDD593	11.3	12.1	0.8	88.3	171.4	22.2	84.4	16.3	3.1	14.1	2.2	11.6	2.3	5.8	0.8	5.2	0.7	61.1	489.4	Clay		
RRMDD593	12.1	12.8	0.7	87.3	180.0	25.3	105.8	23.2	4.6	22.4	3.7	21.9	4.5	12.5	1.8	11.6	1.6	132.1	638.1	Clay		
RRMDD593	12.8	13.5	0.7	82.0	169.5	24.0	100.5	22.4	4.6	22.5	3.7	22.5	4.8	13.2	1.9	12.5	1.8	146.7	632.6	Clay		
RRMDD593	13.5	14.3	0.7	86.0	176.3	26.7	117.2	26.9	5.4	28.0	4.8	29.6	6.5	18.0	2.6	16.5	2.3	200.0	746.8	Clay		
RRMDD593	14.3	15.0	0.7	88.2	178.7	28.2	129.5	29.8	6.1	32.8	5.6	34.9	7.8	22.4	3.1	20.2	2.9	248.3	838.5	Clay		
RRMDD593	15.0	15.6	0.6	79.0	161.5	22.4	95.2	20.7	4.0	21.3	3.4	21.1	4.6	12.9	1.8	11.6	1.7	151.8	613.0	Upper Saprolite		
RRMDD593	15.6	16.2	0.6	88.3	184.3	28.2	125.4	27.9	5.5	31.6	5.2	33.5	7.7	22.2	3.2	20.0	2.9	262.9	848.8	Upper Saprolite		
RRMDD593	16.2	16.7	0.5	88.9	187.3	27.3	121.9	25.7	5.3	29.6	4.9	30.2	7.0	20.0	2.9	18.2	2.6	250.8	822.6	Upper Saprolite		
RRMDD593	16.7	17.6	0.8	71.9	151.1	19.0	77.2	15.0	3.0	15.5	2.4	14.6	3.3	9.6	1.3	8.5	1.2	130.8	524.4	Lower Saprolite		
RRMDD593	17.6	18.5	1.0	70.8	154.2	18.4	74.3	13.5	2.6	13.9	2.2	13.1	3.0	8.9	1.3	7.6	1.2	147.3	532.2	Lower Saprolite		
RRMDD593	18.5	19.5	1.0	68.6	153.6	17.3	66.7	11.5	2.2	10.8	1.6	9.2	2.3	6.5	0.9	5.9	0.9	125.0	483.0	Lower Saprolite		
RRMDD593	19.5	20.5	1.0	66.6	153.6	16.5	61.7	11.2	2.2	9.2	1.4	8.3	1.8	5.1	0.7	4.4	0.7	88.6	432.2	Lower Saprolite		
RRMDD593	20.5	21.2	0.6	64.3	146.2	15.8	59.4	11.2	2.2	8.8	1.3	7.7	1.5	4.0	0.6	4.1	0.6	48.3	376.0	Saprock		
RRMDD593	21.2	21.8	0.7	62.9	141.9	15.0	57.0	10.8	2.2	8.6	1.3	7.3	1.5	4.4	0.6	4.3	0.6	46.6	365.0	Saprock		
RRMDD593	21.8	22.7	0.9	59.3	136.4	13.8	51.2	10.1	2.0	8.5	1.2	6.9	1.4	4.1	0.6	3.7	0.6	41.0	341.0	Saprock		
RRMDD593	22.7	23.6	0.9	58.6	133.9	13.7	51.0	9.9	2.1	7.9	1.1	6.1	1.3	3.9	0.5	3.3	0.5	37.1	331.0	Saprock		
RRMDD594	0.0	1.8	1.8	82.7	297.3	15.2	49.3	8.2	1.3	6.3	1.1	6.6	1.4	3.9	0.6	4.5	0.6	39.0	517.9	Hardcap		
RRMDD594	1.8	3.6	1.8	107.9	749.3	21.9	73.0	12.3	2.0	8.8	1.5	8.6	1.7	5.1	0.8	5.3	0.8	51.4	1050.5	Hardcap		
RRMDD594	3.6	5.4	1.8	121.4	482.8	23.8	78.4	13.4	2.3	10.4	1.7	10.2	2.0	6.0	0.9	6.5	0.9	60.3	821.0	Transition		
RRMDD594	5.4	6.5	1.1	125.5	200.2	29.2	90.5	16.8	3.0	13.0	2.1	12.3	2.6	7.2	1.2	7.7	1.1	77.3	589.8	Mottled		
RRMDD594	6.5	7.2	0.7	103.3	159.7	28.5	95.6	17.7	3.3	13.9	2.2	12.1	2.5	6.6	1.0	6.4	0.9	75.6	529.4	Mottled		
RRMDD594	7.2	7.9	0.7	129.0	204.5	44.8	162.7	30.6	5.1	21.8	3.4	18.0	3.4	8.7	1.2	7.8	1.1	92.6	734.7	Mottled		
RRMDD594	7.9	8.6	0.7	112.2	222.3	38.1	154.0	31.1	5.3	23.3	3.7	20.4	3.6	9.1	1.2	7.8	1.0	90.0	723.2	Clay		
RRMDD594	8.6	9.4	0.8	74.1	156.6	20.5	80.0	17.9	3.5	16.4	2.6	15.2	3.1	8.0	1.2	7.2	1.0	89.9	497.3	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD594	9.4	10.4	1.0	77.1	164.0	20.4	75.6	15.9	3.0	14.8	2.4	13.2	2.8	7.8	1.1	7.1	1.0	87.0	493.1	Clay		
RRMDD594	10.4	11.2	0.8	93.7	200.8	23.5	82.2	16.6	3.2	14.0	2.2	12.5	2.7	7.6	1.1	7.1	1.1	90.7	559.0	Clay		
RRMDD594	11.2	12.0	0.9	84.4	189.2	21.1	73.2	14.3	2.7	12.6	2.0	11.5	2.6	7.1	1.1	6.9	1.0	82.3	512.0	Clay		
RRMDD594	12.0	12.9	0.9	102.6	227.9	26.1	91.7	18.5	3.2	15.3	2.4	14.2	3.2	9.0	1.3	8.2	1.2	106.4	631.2	Clay		
RRMDD594	12.9	13.7	0.9	84.4	187.9	21.1	71.9	13.9	2.5	11.1	1.7	10.2	2.3	6.7	1.0	6.6	1.0	83.9	506.4	Clay		
RRMDD594	13.7	14.5	0.8	66.1	149.3	17.8	63.3	12.8	2.5	11.0	1.7	10.8	2.7	8.1	1.3	8.5	1.4	123.3	480.5	Upper Saprolite		
RRMDD594	14.5	15.3	0.8	69.9	157.2	17.6	60.0	11.6	2.2	9.3	1.4	8.2	1.7	5.0	0.8	4.9	0.7	63.9	414.5	Upper Saprolite		
RRMDD594	15.3	16.1	0.8	56.6	127.1	14.8	50.9	10.2	2.0	7.6	1.3	7.0	1.4	3.9	0.6	3.9	0.5	46.2	334.1	Lower Saprolite		
RRMDD594	16.1	16.9	0.8	77.3	170.7	19.1	65.2	12.6	2.2	9.3	1.4	8.0	1.7	5.0	0.7	4.7	0.7	49.3	427.9	Lower Saprolite		
RRMDD594	16.9	17.6	0.8	67.3	148.0	16.9	58.1	11.5	2.2	9.0	1.4	7.7	1.6	4.1	0.7	4.2	0.6	44.7	378.0	Lower Saprolite		
RRMDD594	17.6	18.4	0.8	68.7	149.3	17.1	58.6	11.2	2.2	8.6	1.3	7.2	1.5	4.1	0.6	3.9	0.6	44.3	379.1	Lower Saprolite		
RRMDD594	18.4	19.0	0.6	65.6	140.7	16.1	54.2	10.6	1.9	7.6	1.1	6.6	1.4	4.1	0.6	4.2	0.7	40.5	355.9	Lower Saprolite	13.5	505
RRMDD594	19.0	19.5	0.6	72.5	160.3	18.0	62.1	11.7	2.2	8.9	1.4	7.6	1.5	4.2	0.6	3.9	0.5	43.2	398.5	Saprock		
RRMDD595	0.0	1.5	1.5	148.4	455.7	24.5	74.8	12.0	2.1	9.0	1.5	8.9	1.8	5.1	0.8	5.5	0.8	49.1	800.2	Hardcap		
RRMDD595	1.5	3.0	1.5	166.5	444.7	30.0	92.7	15.1	2.5	11.1	1.9	10.9	2.2	6.3	1.0	7.3	1.0	57.8	851.0	Transition		
RRMDD595	3.0	3.7	0.7	174.7	289.9	35.2	121.3	20.1	3.1	14.8	2.3	12.6	2.6	7.6	1.2	7.1	1.1	74.9	768.5	Mottled		
RRMDD595	3.7	4.4	0.7	151.3	253.1	32.1	116.5	20.1	3.3	14.9	2.4	12.9	2.8	7.8	1.1	7.3	1.1	76.2	702.8	Clay		
RRMDD595	4.4	5.2	0.7	116.9	196.5	25.9	93.9	16.5	2.8	13.4	2.1	11.5	2.5	7.2	1.1	7.0	1.0	70.9	569.1	Clay		
RRMDD595	5.2	6.0	0.8	104.8	184.3	25.5	89.8	16.8	2.9	12.8	1.8	10.5	2.1	6.3	0.9	5.4	0.8	66.4	531.0	Clay		
RRMDD595	6.0	6.8	0.8	92.3	170.7	23.1	82.5	14.5	2.6	11.0	1.6	9.3	1.8	5.6	0.8	5.1	0.8	58.3	480.0	Clay		
RRMDD595	6.8	7.6	0.8	78.6	165.2	18.8	68.7	12.4	2.5	10.6	1.6	9.4	2.1	6.2	0.9	5.5	0.8	66.3	449.4	Clay		
RRMDD595	7.6	8.7	1.1	66.7	151.7	15.6	56.0	9.9	1.9	8.2	1.3	7.6	1.6	5.2	0.8	5.2	0.8	56.1	388.7	Clay		
RRMDD595	8.7	9.6	0.9	70.7	164.6	17.7	66.3	12.8	2.5	10.0	1.5	8.5	1.8	5.8	0.9	5.5	0.9	68.4	437.8	Clay		
RRMDD595	9.6	10.5	0.9	71.5	160.9	17.5	65.3	11.9	2.4	9.6	1.4	8.7	1.8	5.5	0.8	5.2	0.8	66.7	430.2	Clay		
RRMDD595	10.5	11.5	0.9	85.8	191.0	21.1	76.9	14.0	2.8	10.9	1.5	8.5	1.7	4.9	0.7	4.3	0.7	53.0	477.8	Clay		
RRMDD595	11.5	13.1	1.6	47.0	114.4	11.3	40.6	7.6	1.6	6.0	1.0	5.7	1.2	3.9	0.6	3.7	0.5	35.7	280.8	Upper Saprolite		
RRMDD595	13.1	13.9	0.8	69.8	157.8	16.4	60.5	11.1	2.2	8.4	1.2	7.4	1.5	4.6	0.7	4.1	0.6	46.0	392.4	Upper Saprolite		
RRMDD595	13.9	14.7	0.8	73.1	166.4	18.2	66.1	12.5	2.3	9.0	1.3	7.3	1.5	4.2	0.6	3.7	0.6	45.3	412.3	Upper Saprolite		
RRMDD595	14.7	15.4	0.7	68.4	156.0	16.7	60.7	11.1	2.1	8.5	1.2	7.2	1.4	4.2	0.6	3.8	0.6	43.2	385.6	Upper Saprolite		
RRMDD595	15.4	16.1	0.7	69.5	157.8	16.9	62.3	11.5	2.1	8.7	1.2	7.1	1.4	3.9	0.5	3.3	0.5	42.8	389.5	Upper Saprolite		
RRMDD595	16.1	16.9	0.8	47.0	108.6	11.7	43.2	8.6	1.6	6.7	1.0	6.3	1.3	4.2	0.6	3.8	0.6	41.3	286.4	Lower Saprolite		
RRMDD595	16.9	17.7	0.8	62.7	147.4	15.2	55.4	10.0	1.8	7.4	1.2	6.9	1.5	4.6	0.7	4.2	0.6	43.7	363.4	Lower Saprolite	14.7	442
RRMDD595	17.7	18.5	0.9	69.0	157.2	16.4	60.9	11.4	2.2	8.9	1.2	6.9	1.3	3.8	0.6	3.5	0.5	40.4	384.1	Saprock		
RRMDD595	18.5	19.4	0.9	68.5	159.7	16.8	59.5	11.3	2.2	9.2	1.3	7.4	1.4	4.1	0.6	3.8	0.5	41.9	388.3	Saprock		
RRMDD595	19.4	20.4	0.9	55.1	129.6	13.4	47.6	9.2	1.7	7.4	1.0	5.7	1.1	3.2	0.5	3.1	0.5	33.3	312.4	Saprock		
RRMDD595	20.4	21.3	0.9	56.9	135.7	14.1	50.0	9.1	1.8	7.2	1.1	6.1	1.2	3.3	0.5	3.3	0.5	33.9	324.6	Saprock		
RRMDD596	0.0	2.0	2.0	129.0	418.9	24.3	76.7	12.5	2.1	9.1	1.5	8.8	1.8	5.0	0.8	5.6	0.8	46.9	743.8	Hardcap		
RRMDD596	2.0	4.0	2.0	236.9	436.1	40.2	119.6	17.7	2.9	12.2	2.1	11.7	2.3	6.8	1.0	7.4	1.0	66.5	964.5	Transition		
RRMDD596	4.0	4.8	0.8	212.3	351.3	46.8	160.4	25.6	3.9	18.8	2.8	15.4	3.1	9.5	1.3	8.1	1.3	92.1	952.6	Clay		
RRMDD596	4.8	5.6	0.8	169.5	249.4	37.8	140.0	25.6	4.1	19.1	2.8	15.1	3.0	8.6	1.2	7.7	1.2	89.1	774.3	Clay		
RRMDD596	5.6	6.5	0.9	144.8	240.8	36.7	139.4	27.1	4.7	21.0	3.0	16.3	3.1	8.5	1.2	6.9	1.1	88.6	743.1	Clay		
RRMDD596	6.5	7.4	0.9	125.5	217.4	34.6	137.6	27.5	4.9	22.4	3.3	17.7	3.3	9.1	1.2	7.1	1.1	90.5	703.2	Clay		
RRMDD596	7.4	8.3	0.9	78.7	159.1	20.5	82.2	17.2	3.3	16.0	2.4	13.8	2.8	7.9	1.1	6.4	1.1	85.7	498.1	Clay		
RRMDD596	8.3	9.3	1.0	93.2	199.0	23.4	93.1	19.9	3.6	18.0	2.8	15.9	3.2	9.4	1.2	7.2	1.1	94.9	586.1	Clay		
RRMDD596	9.3	10.3	1.0	79.4	170.1	19.2	74.2	15.8	3.1	15.1	2.4	13.9	2.9	8.9	1.3	7.3	1.2	97.1	512.0	Clay		
RRMDD596	10.3	11.3	1.0	82.7	176.9	21.3	84.6	16.8	3.3	15.1	2.3	13.8	3.0	8.8	1.2	7.1	1.1	97.1	535.1	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD596	11.3	11.9	0.6	83.9	182.4	19.1	74.1	15.7	3.0	13.6	2.1	11.8	2.5	7.1	1.0	5.9	0.9	80.4	503.4	Clay		
RRMDD596	11.9	12.6	0.8	57.0	127.1	14.4	58.3	12.9	2.7	14.1	2.3	15.6	4.2	14.8	2.3	14.9	2.7	196.2	539.5	Clay		
RRMDD596	12.6	13.6	1.0	76.9	173.2	18.0	65.4	12.6	2.5	10.5	1.6	8.9	1.9	6.0	0.8	5.1	0.8	79.7	464.3	Lower Saprolite	9.6	617
RRMDD596	13.6	14.6	1.0	81.9	189.2	18.9	70.5	13.7	2.5	10.8	1.6	8.7	1.7	4.9	0.7	4.3	0.7	51.8	461.8	Saprock		
RRMDD596	14.6	15.6	1.0	72.9	164.0	16.7	61.9	12.2	2.2	9.2	1.3	7.1	1.4	4.3	0.6	3.8	0.6	44.8	403.2	Saprock		
RRMDD596	15.6	16.4	0.8	63.9	143.1	14.9	54.6	10.8	2.1	8.3	1.2	7.1	1.4	4.2	0.6	3.7	0.6	41.1	357.6	Saprock		
RRMDD596	16.4	17.2	0.8	75.6	171.4	17.4	64.3	12.3	2.4	9.6	1.4	7.6	1.4	4.2	0.6	3.4	0.6	42.0	414.1	Saprock		
RRMDD597	0.0	1.7	1.7	103.9	184.3	21.3	72.8	12.8	2.3	11.0	1.9	11.2	2.4	6.8	1.1	7.4	1.1	69.3	509.5	Hardcap		
RRMDD597	1.7	3.5	1.7	85.7	164.6	16.0	51.8	8.4	1.5	6.7	1.2	6.8	1.4	4.1	0.7	4.7	0.7	38.9	393.2	Hardcap		
RRMDD597	3.5	5.2	1.7	155.4	423.8	30.7	99.5	16.8	2.7	11.8	2.0	11.0	2.2	6.1	1.0	6.9	0.9	54.6	825.4	Hardcap		
RRMDD597	5.2	5.8	0.6	157.2	245.1	34.3	117.2	19.8	3.4	15.6	2.2	13.0	2.5	7.6	1.1	7.0	1.0	77.5	704.6	Clay		
RRMDD597	5.8	6.4	0.6	127.8	224.8	31.3	112.8	20.6	3.8	16.9	2.4	14.2	2.7	7.9	1.2	7.0	1.1	85.5	660.0	Clay		
RRMDD597	6.4	7.3	0.9	140.1	249.4	32.3	112.9	20.1	3.4	15.9	2.3	13.3	2.6	7.6	1.1	6.9	1.0	78.4	687.3	Clay		
RRMDD597	7.3	8.1	0.8	109.5	211.9	28.3	107.7	20.8	4.0	17.7	2.6	14.7	2.8	7.9	1.1	7.2	1.0	87.4	624.6	Clay		
RRMDD597	8.1	8.8	0.8	100.3	198.4	26.0	96.3	19.1	3.7	16.0	2.5	13.8	2.7	8.1	1.1	7.2	1.0	84.8	581.0	Clay		
RRMDD597	8.8	9.7	0.9	45.3	102.3	10.9	40.7	8.3	1.7	7.5	1.2	7.7	1.6	5.2	0.8	5.0	0.8	54.7	293.6	Clay		
RRMDD597	9.7	10.6	0.8	86.8	192.9	23.0	91.1	19.1	3.9	17.2	2.6	15.8	3.1	8.7	1.1	7.0	1.0	99.4	572.8	Clay		
RRMDD597	10.6	11.4	0.8	71.7	161.5	18.5	70.8	13.5	2.8	12.7	2.0	12.1	2.7	7.6	1.0	6.4	0.9	86.2	470.4	Clay		
RRMDD597	11.4	12.2	0.8	79.5	181.2	20.4	78.4	15.7	3.2	14.1	2.1	13.1	2.9	8.6	1.2	6.7	1.0	101.8	529.9	Clay		
RRMDD597	12.2	13.1	0.8	75.5	170.7	19.7	73.2	14.0	2.8	11.6	1.8	10.9	2.3	7.0	1.0	5.9	0.9	83.3	480.6	Clay		
RRMDD597	13.1	13.7	0.6	50.7	102.0	10.8	37.8	6.8	1.4	5.8	0.9	5.8	1.3	4.4	0.7	4.7	0.8	48.8	282.4	Clay		
RRMDD597	13.7	14.6	1.0	50.2	104.2	11.5	42.6	7.7	1.7	7.0	1.0	5.7	1.2	3.9	0.6	4.4	0.7	46.0	288.4	Clay		
RRMDD597	14.6	15.5	0.9	62.6	142.5	14.7	55.6	9.7	2.1	8.2	1.2	7.0	1.4	4.2	0.7	4.8	0.7	47.1	362.7	Upper Saprolite		
RRMDD597	15.5	16.4	0.9	65.1	143.1	15.9	62.8	11.7	2.5	10.9	1.5	9.0	1.8	5.1	0.8	5.1	0.8	61.0	397.1	Upper Saprolite		
RRMDD597	16.4	17.3	0.9	73.4	165.2	18.6	72.1	14.3	3.0	11.4	1.8	10.5	2.3	6.5	0.9	6.7	1.0	81.3	469.0	Upper Saprolite		
RRMDD597	17.3	18.1	0.8	74.7	168.3	17.9	67.2	12.8	2.6	9.8	1.5	8.3	1.7	4.6	0.7	4.8	0.7	54.0	429.4	Upper Saprolite		
RRMDD597	18.1	18.9	0.8	69.7	156.0	16.7	63.0	12.0	2.5	9.6	1.5	8.2	1.6	4.6	0.6	4.4	0.6	50.0	401.0	Upper Saprolite		
RRMDD597	18.9	19.7	0.8	66.5	146.8	16.1	60.9	12.1	2.5	9.1	1.4	8.2	1.6	4.4	0.6	4.6	0.6	47.1	382.6	Upper Saprolite		
RRMDD597	19.7	20.5	0.8	58.5	127.1	13.8	49.3	9.2	1.9	7.0	1.1	6.3	1.2	3.4	0.5	3.8	0.6	36.2	319.9	Upper Saprolite		
RRMDD597	20.5	21.4	0.9	73.5	167.7	17.7	67.9	12.9	2.7	9.2	1.4	7.8	1.6	4.1	0.6	4.6	0.6	46.7	419.0	Upper Saprolite		
RRMDD597	21.4	22.5	1.1	71.7	164.6	17.3	65.1	12.3	2.6	8.8	1.3	7.4	1.5	4.0	0.6	4.3	0.6	45.0	407.2	Upper Saprolite		
RRMDD597	22.5	23.0	0.5	76.0	175.7	18.2	67.7	12.6	2.5	9.1	1.4	8.1	1.7	4.6	0.7	5.0	0.7	50.3	434.4	Upper Saprolite	17.8	458
RRMDD597	23.0	23.7	0.7	83.2	195.9	20.1	72.9	13.2	2.6	10.0	1.5	8.6	1.8	4.9	0.7	5.0	0.7	54.4	475.4	Saprock		
RRMDD597	23.7	24.5	0.7	82.8	190.4	19.5	72.7	13.2	2.5	9.7	1.4	7.7	1.5	4.0	0.6	3.9	0.5	44.1	454.5	Saprock		
RRMDD597	24.5	25.1	0.6	66.1	150.5	16.1	59.4	10.6	2.2	8.5	1.2	7.2	1.5	4.2	0.6	4.1	0.6	43.9	376.8	Saprock		
RRMDD597	25.1	26.0	0.9	57.5	128.4	13.9	51.3	9.7	2.0	7.6	1.1	6.4	1.3	3.6	0.5	3.3	0.5	38.2	325.3	Saprock		
RRMDD597	26.0	26.8	0.9	34.0	76.0	8.2	29.5	5.4	1.1	4.8	0.7	4.4	0.9	2.7	0.4	2.6	0.4	30.6	201.9	Saprock		
RRMDD597	26.8	27.7	0.9	57.9	133.3	14.1	53.0	10.4	1.9	7.5	1.2	6.9	1.4	3.8	0.5	3.7	0.5	41.7	337.7	Saprock		
RRMDD597	27.7	28.6	0.9	55.9	126.5	13.6	51.0	9.3	1.8	7.4	1.2	6.6	1.3	3.7	0.5	3.6	0.5	40.9	323.9	Saprock		
RRMDD598	0.0	1.9	1.9	185.3	383.3	34.4	107.9	17.8	2.8	12.7	1.9	10.8	1.9	5.5	0.8	5.4	0.8	50.3	821.6	Hardcap		
RRMDD598	1.9	3.7	1.9	116.2	514.7	24.4	79.7	13.7	2.3	10.2	1.7	9.9	1.8	5.9	0.9	6.2	0.9	53.0	841.5	Transition		
RRMDD598	3.7	4.5	0.8	109.4	313.2	21.3	76.6	13.2	2.2	10.2	1.6	9.1	1.9	6.1	0.9	5.8	1.0	58.8	631.3	Clay		
RRMDD598	4.5	5.3	0.8	107.2	212.5	22.8	81.6	14.9	2.6	11.0	1.7	9.4	1.8	5.7	0.8	5.4	0.9	56.6	535.0	Clay		
RRMDD598	5.3	6.1	0.8	78.7	143.7	18.6	68.8	12.6	2.4	10.4	1.5	8.6	1.8	5.5	0.8	5.0	0.8	54.4	413.6	Clay		
RRMDD598	6.1	7.0	0.8	111.7	196.5	27.3	100.8	19.7	3.6	16.4	2.3	12.7	2.5	7.4	1.0	6.2	1.0	73.1	582.1	Clay		
RRMDD598	7.0	7.8	0.8	103.7	197.2	25.6	93.3	17.0	3.1	13.1	1.9	10.6	2.0	5.9	0.8	5.0	0.8	54.6	534.6	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD598	7.8	8.7	1.0	98.2	208.2	22.9	84.6	16.5	3.0	13.3	1.9	10.2	2.1	6.4	0.9	5.5	0.9	66.2	540.8	Clay		
RRMDD598	8.7	9.7	1.0	98.5	218.0	22.7	81.6	15.1	2.8	12.0	1.7	9.5	2.0	5.9	0.8	5.1	0.8	60.1	536.6	Clay		
RRMDD598	9.7	10.7	1.0	108.4	246.9	25.0	91.8	17.2	3.0	13.0	1.9	10.4	2.1	6.1	0.8	5.5	0.9	66.4	599.4	Clay		
RRMDD598	10.7	11.7	1.0	70.3	158.5	16.9	63.8	12.8	2.5	10.6	1.6	8.8	1.9	5.9	0.8	5.1	0.9	64.6	424.8	Clay		
RRMDD598	11.7	12.8	1.1	69.3	156.6	16.0	58.7	11.2	2.1	8.8	1.3	7.6	1.6	4.9	0.7	4.3	0.7	50.7	394.5	Clay		
RRMDD598	12.8	13.5	0.7	75.4	167.7	17.8	65.9	12.8	2.4	10.0	1.5	8.5	1.8	5.2	0.7	4.6	0.8	56.8	431.7	Clay		
RRMDD598	13.5	14.2	0.7	72.5	161.5	17.2	60.7	11.7	2.3	10.0	1.5	8.4	1.6	4.9	0.7	4.4	0.6	45.5	403.4	Clay		
RRMDD598	14.2	15.1	0.9	72.9	159.1	17.4	60.3	11.9	2.3	10.1	1.6	8.6	1.6	4.7	0.6	4.2	0.6	45.7	401.5	Upper Saprolite		
RRMDD598	15.1	15.9	0.9	70.1	152.9	16.6	58.3	10.3	2.0	8.6	1.3	7.3	1.5	4.0	0.6	3.9	0.6	47.6	385.7	Upper Saprolite		
RRMDD598	15.9	16.8	0.9	68.4	151.7	16.1	57.6	11.3	2.2	9.5	1.4	7.8	1.5	4.3	0.6	3.7	0.5	42.4	379.1	Upper Saprolite		
RRMDD598	16.8	17.7	0.9	61.3	138.8	14.9	52.8	10.8	2.0	9.1	1.4	7.8	1.5	4.5	0.6	4.1	0.6	43.0	353.3	Lower Saprolite		
RRMDD598	17.7	18.6	0.9	73.2	164.0	17.2	60.9	11.0	2.0	8.6	1.3	7.3	1.4	4.1	0.6	3.7	0.5	46.2	402.1	Lower Saprolite		
RRMDD598	18.6	19.6	0.9	77.1	175.7	18.2	64.0	11.4	2.1	8.8	1.3	7.5	1.4	4.1	0.6	3.5	0.5	45.7	421.9	Lower Saprolite		
RRMDD598	19.6	20.5	0.9	68.6	154.8	16.4	59.4	10.7	2.0	8.5	1.3	6.7	1.4	3.7	0.5	3.5	0.5	43.0	381.0	Lower Saprolite		
RRMDD598	20.5	21.5	0.9	71.2	167.1	17.1	60.1	10.4	2.0	8.5	1.3	7.0	1.4	3.7	0.6	3.5	0.5	42.8	397.0	Lower Saprolite		
RRMDD598	21.5	22.4	1.0	73.2	175.0	17.4	61.4	12.0	2.1	9.8	1.4	8.4	1.5	4.6	0.6	4.0	0.6	44.4	416.4	Lower Saprolite		
RRMDD598	22.4	23.4	0.9	77.3	179.3	18.4	65.9	12.3	2.3	9.9	1.5	8.2	1.5	4.6	0.6	3.9	0.5	43.4	429.7	Lower Saprolite		
RRMDD598	23.4	24.3	0.9	68.3	157.8	16.2	57.6	10.9	2.1	8.9	1.4	7.4	1.3	3.9	0.5	3.4	0.5	38.6	378.9	Lower Saprolite	20.6	450
RRMDD598	24.3	25.1	0.8	72.0	168.3	17.3	61.9	11.7	2.2	9.5	1.4	8.2	1.5	4.6	0.6	4.3	0.6	46.2	410.5	Saprock		
RRMDD598	25.1	25.8	0.8	62.5	141.3	14.9	53.3	10.2	2.0	9.0	1.4	7.6	1.4	4.5	0.6	4.2	0.6	42.4	355.9	Saprock		
RRMDD599	0.0	1.5	1.5	85.4	244.5	16.5	52.7	9.5	1.5	7.2	1.3	7.7	1.5	4.6	0.8	4.9	0.7	40.5	479.2	Hardcap		
RRMDD599	1.5	3.0	1.5	108.5	595.8	20.1	63.1	11.2	1.8	8.6	1.5	8.9	1.7	5.2	0.9	5.8	0.8	46.9	880.7	Hardcap		
RRMDD599	3.0	3.9	0.9	90.7	200.8	23.7	86.3	17.2	3.1	15.2	2.3	13.8	2.6	7.5	1.1	7.0	1.0	71.0	543.2	Clay		
RRMDD599	3.9	4.9	0.9	72.8	170.7	18.8	70.0	14.6	3.0	14.2	2.3	13.9	2.7	8.3	1.1	7.2	1.0	79.9	480.6	Clay		
RRMDD599	4.9	5.8	0.9	58.5	132.7	14.8	53.5	11.1	2.5	10.6	1.7	10.2	2.0	6.4	0.9	6.2	0.9	70.0	382.0	Clay		
RRMDD599	5.8	6.7	0.9	77.2	170.7	18.9	68.9	13.6	3.0	12.6	2.0	11.8	2.3	7.0	1.0	6.4	1.0	74.7	471.2	Clay		
RRMDD599	6.7	7.4	0.6	49.1	112.6	12.8	47.4	9.9	2.1	8.3	1.3	7.7	1.5	5.0	0.7	4.6	0.7	48.9	312.5	Lower Saprolite		
RRMDD599	7.4	8.2	0.8	79.3	173.8	19.5	70.9	14.0	2.8	12.4	1.9	10.9	2.1	6.7	0.9	5.9	0.9	84.3	486.4	Lower Saprolite		
RRMDD599	8.2	9.0	0.8	77.9	172.0	18.8	67.4	13.2	2.4	11.1	1.6	9.6	1.9	6.0	0.8	5.2	0.8	66.2	454.8	Saprock	5.2	453
RRMDD599	9.0	10.0	1.0	74.4	162.1	17.6	62.5	12.0	2.3	9.8	1.4	8.1	1.4	4.1	0.5	3.6	0.5	39.2	399.6	Saprock		
RRMDD600	0.0	1.4	1.4	73.1	156.0	14.9	48.9	8.7	1.4	7.1	1.2	7.3	1.4	4.4	0.7	4.5	0.7	40.4	370.5	Hardcap		
RRMDD600	1.4	2.9	1.4	119.6	743.2	23.3	74.6	13.2	2.2	10.3	1.7	10.0	1.9	5.6	0.9	6.1	0.9	52.2	1065.8	Hardcap		
RRMDD600	2.9	4.3	1.4	157.7	410.3	31.5	102.9	18.1	2.8	13.5	2.2	13.1	2.4	7.5	1.2	7.8	1.1	66.9	839.1	Transition		
RRMDD600	4.3	5.3	1.0	190.6	388.2	45.7	158.6	27.0	4.5	21.0	3.2	18.5	3.4	10.2	1.4	9.3	1.3	97.8	980.6	Clay		
RRMDD600	5.3	6.4	1.0	161.3	312.0	45.1	169.7	32.6	5.7	26.9	4.0	22.3	4.0	11.4	1.5	10.0	1.4	111.8	919.5	Clay		
RRMDD600	6.4	7.2	0.8	131.9	297.3	36.2	149.9	32.8	6.3	33.1	5.0	28.6	4.8	13.4	1.6	9.9	1.3	130.8	882.9	Clay		
RRMDD600	7.2	8.0	0.8	110.0	249.4	28.4	110.0	23.5	4.8	25.0	3.9	23.5	4.3	12.3	1.5	9.2	1.2	121.8	728.8	Clay		
RRMDD600	8.0	8.9	0.8	86.2	195.9	20.8	73.6	15.0	2.9	14.3	2.3	14.3	3.0	9.1	1.2	7.5	1.0	92.1	539.2	Clay		
RRMDD600	8.9	9.8	0.9	46.4	109.2	11.7	41.2	8.5	1.8	8.2	1.3	8.1	1.7	5.5	0.8	5.5	0.8	59.9	310.7	Pallid		
RRMDD600	9.8	10.7	0.9	74.8	172.6	18.9	70.3	14.3	3.0	12.3	1.9	11.0	2.5	8.0	1.1	7.0	1.0	92.1	490.9	Pallid		
RRMDD600	10.7	11.6	0.9	72.4	164.0	18.2	67.4	13.3	2.8	10.9	1.7	9.5	2.1	7.1	0.9	6.3	0.9	81.3	458.9	Pallid		
RRMDD600	11.6	12.6	0.9	67.4	151.1	16.8	60.8	11.6	2.3	8.8	1.4	7.7	1.7	5.1	0.7	5.2	0.8	58.7	400.1	Clay		
RRMDD600	12.6	13.5	0.9	68.3	154.2	17.0	61.6	11.8	2.5	8.8	1.4	7.5	1.5	4.6	0.6	4.2	0.6	47.9	392.4	Clay		
RRMDD600	13.5	14.4	0.9	75.4	167.7	18.5	67.4	12.8	2.5	9.7	1.5	8.4	1.7	5.1	0.7	4.7	0.7	56.3	433.2	Clay		
RRMDD600	14.4	15.1	0.6	95.5	211.9	22.8	81.2	15.0	2.7	10.6	1.6	8.7	1.7	5.2	0.7	4.8	0.7	55.1	518.1	Clay		
RRMDD600	15.1	15.7	0.6	55.0	119.6	13.3	47.8	9.1	1.8	7.2	1.1	6.2	1.3	4.2	0.6	4.5	0.7	40.1	312.3	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD600	15.7	16.5	0.8	76.2	170.1	18.8	68.1	12.9	2.5	9.9	1.6	8.6	1.8	5.3	0.8	5.0	0.7	66.0	448.4	Upper Saprolite	14.0	558
RRMDD600	16.5	17.3	0.8	69.5	151.7	17.0	61.2	11.3	2.2	8.8	1.3	7.3	1.5	4.7	0.6	4.4	0.6	50.9	393.1	Upper Saprolite		
RRMDD600	17.3	18.3	1.0	101.6	221.7	23.9	84.6	15.7	2.8	11.1	1.7	9.0	1.8	5.1	0.7	4.5	0.7	55.5	540.3	Upper Saprolite		
RRMDD600	18.3	19.2	1.0	72.7	161.5	17.3	62.2	11.6	2.1	8.6	1.3	7.0	1.4	4.4	0.6	4.1	0.6	45.1	400.5	Saprock		
RRMDD600	19.2	20.2	1.0	100.6	229.1	24.1	84.1	15.0	2.6	10.5	1.6	8.3	1.6	4.7	0.6	4.0	0.6	50.5	538.0	Saprock		
RRMDD600	20.2	21.2	1.0	72.8	165.2	17.5	61.0	11.6	2.1	8.3	1.3	6.8	1.3	4.1	0.5	3.8	0.5	42.3	399.3	Saprock		
RRMDD600	21.2	21.7	0.5	67.6	152.9	16.6	58.6	11.2	2.1	8.1	1.3	6.6	1.3	3.8	0.5	3.5	0.5	39.0	373.5	Saprock		
RRMDD600	21.7	22.2	0.5	64.5	145.6	15.8	56.5	10.8	2.1	8.1	1.3	7.1	1.4	4.2	0.6	3.8	0.6	44.1	366.4	Saprock		
RRMDD601	0.0	2.0	2.0	120.8	224.8	26.1	89.2	15.9	2.7	13.3	2.1	12.3	2.3	7.4	1.1	7.4	1.1	76.7	603.3	Hardcap		
RRMDD601	2.0	4.0	2.0	108.5	294.8	22.8	76.5	13.8	2.2	11.1	1.8	10.4	2.0	5.9	0.9	6.0	0.9	59.9	617.6	Hardcap		
RRMDD601	4.0	4.8	0.7	104.5	192.2	24.9	86.1	15.4	2.6	11.6	1.9	10.3	2.1	6.2	0.9	6.8	1.0	67.2	533.6	Clay		
RRMDD601	4.8	5.5	0.8	105.0	200.2	28.3	107.2	20.4	3.7	15.8	2.3	12.1	2.2	5.8	0.8	5.5	0.8	64.5	574.6	Clay		
RRMDD601	5.5	6.6	1.1	90.0	193.5	25.3	99.1	20.1	3.7	16.1	2.3	12.7	2.3	5.9	0.8	5.1	0.7	64.8	542.3	Clay		
RRMDD601	6.6	7.6	1.1	85.4	185.5	21.4	78.1	14.4	2.7	11.2	1.6	9.1	1.8	4.9	0.7	4.9	0.7	54.6	476.9	Clay		
RRMDD601	7.6	8.7	1.1	95.2	203.9	23.4	84.0	15.5	3.0	12.6	1.8	9.9	2.0	5.8	0.8	5.8	0.8	67.8	532.2	Clay		
RRMDD601	8.7	9.6	0.9	77.2	172.6	18.6	68.0	13.2	2.5	10.4	1.5	8.1	1.7	4.6	0.7	4.7	0.7	58.2	442.5	Clay		
RRMDD601	9.6	10.3	0.7	75.8	172.0	18.4	65.1	11.8	2.3	9.1	1.3	7.8	1.6	4.7	0.7	4.9	0.7	54.4	430.5	Clay		
RRMDD601	10.3	10.9	0.7	73.5	166.4	18.3	65.8	12.1	2.6	9.3	1.4	7.4	1.5	4.0	0.6	4.1	0.6	48.5	416.2	Clay		
RRMDD601	10.9	11.8	0.9	78.7	177.5	19.2	69.2	12.8	2.6	9.6	1.4	7.8	1.5	4.0	0.6	4.0	0.6	48.1	437.7	Clay		
RRMDD601	11.8	12.8	0.9	89.1	201.5	21.6	76.3	13.9	2.7	10.4	1.5	8.5	1.6	4.5	0.7	4.7	0.7	51.8	489.4	Clay		
RRMDD601	12.8	13.7	0.9	81.7	182.4	19.7	69.3	13.0	2.5	9.8	1.4	7.5	1.4	4.0	0.6	4.1	0.6	45.2	443.2	Clay		
RRMDD601	13.7	14.7	0.9	78.2	181.8	18.8	68.0	12.8	2.5	9.8	1.5	8.2	1.7	5.0	0.7	5.2	0.7	54.6	449.6	Clay		
RRMDD601	14.7	15.6	1.0	100.6	234.0	24.2	86.0	15.6	2.9	11.3	1.6	8.3	1.7	4.4	0.6	4.6	0.7	49.4	545.7	Clay		
RRMDD601	15.6	16.4	0.7	69.9	168.3	17.5	63.6	11.9	2.4	9.0	1.3	6.8	1.4	3.9	0.5	3.8	0.5	43.7	404.6	Clay		
RRMDD601	16.4	17.1	0.7	56.4	139.4	14.6	52.4	10.3	2.3	8.6	1.3	7.5	1.5	4.4	0.7	4.6	0.7	46.9	351.5	Clay		
RRMDD601	17.1	17.9	0.8	53.0	124.7	13.2	47.2	8.9	2.0	7.1	1.1	6.0	1.2	3.5	0.5	3.8	0.5	37.8	310.6	Clay		
RRMDD601	17.9	18.8	0.9	71.8	165.2	17.7	64.0	11.7	2.5	8.9	1.3	7.3	1.4	3.8	0.6	3.9	0.6	44.4	405.2	Upper Saprolite		
RRMDD601	18.8	19.7	0.9	65.1	145.6	16.1	58.0	11.0	2.4	8.9	1.3	7.3	1.4	4.1	0.6	4.2	0.6	46.4	372.9	Upper Saprolite		
RRMDD601	19.7	20.6	0.9	66.6	149.9	16.5	59.0	11.2	2.3	8.6	1.3	6.6	1.2	3.5	0.5	3.6	0.5	38.5	369.9	Upper Saprolite		
RRMDD601	20.6	21.6	0.9	68.5	152.9	16.6	60.1	11.2	2.3	8.8	1.3	7.1	1.5	3.8	0.6	4.0	0.6	44.6	383.7	Upper Saprolite		
RRMDD601	21.6	22.6	1.0	83.6	182.4	20.1	70.7	12.9	2.4	9.7	1.4	7.4	1.5	4.1	0.6	4.4	0.6	48.0	449.8	Lower Saprolite		
RRMDD601	22.6	23.6	1.0	70.1	156.0	16.9	60.4	10.6	2.2	8.8	1.3	7.3	1.4	3.7	0.5	3.8	0.5	42.7	386.2	Lower Saprolite		
RRMDD601	23.6	24.6	1.0	70.7	156.6	17.0	59.4	10.7	2.1	8.4	1.3	7.2	1.5	4.1	0.6	3.9	0.6	47.9	392.0	Lower Saprolite		
RRMDD601	24.6	25.6	1.0	78.6	174.4	18.7	64.2	11.4	2.3	8.7	1.3	7.4	1.5	4.0	0.6	3.8	0.6	45.7	423.0	Lower Saprolite		
RRMDD601	25.6	26.7	1.0	94.8	215.0	22.2	77.1	13.3	2.3	9.7	1.4	7.9	1.5	3.9	0.6	3.9	0.6	47.1	501.1	Lower Saprolite		
RRMDD601	26.7	27.7	1.0	70.6	162.8	16.8	59.1	10.9	2.1	8.5	1.2	7.4	1.5	4.1	0.6	4.0	0.6	47.2	397.4	Lower Saprolite		
RRMDD601	27.7	28.5	0.8	78.6	178.1	18.6	67.1	12.0	2.4	9.3	1.4	7.8	1.5	4.1	0.6	3.9	0.6	46.4	432.2	Saprock		
RRMDD601	28.5	29.4	0.8	67.0	152.3	15.9	57.2	9.9	2.0	8.1	1.2	7.2	1.5	4.2	0.6	4.1	0.6	47.6	379.4	Saprock		
RRMDD601	29.4	30.2	0.8	71.3	162.1	17.1	60.7	11.1	2.2	8.5	1.4	7.2	1.4	3.9	0.6	3.8	0.5	44.7	396.6	Saprock		
RRMDD602	0.0	2.0	2.0	104.3	275.2	20.4	67.7	12.0	2.0	9.6	1.6	9.5	1.8	5.8	0.9	6.0	0.9	53.7	571.1	Hardcap		
RRMDD602	2.0	4.0	2.0	145.4	705.1	29.8	98.9	17.6	2.7	13.0	2.1	12.3	2.3	7.0	1.1	7.3	1.0	64.9	1110.5	Hardcap		
RRMDD602	4.0	4.7	0.7	219.3	480.3	45.1	152.2	26.3	4.1	17.6	2.8	15.0	3.0	8.6	1.2	8.3	1.2	90.2	1075.1	Clay		
RRMDD602	4.7	5.3	0.6	157.2	350.1	34.4	120.7	21.4	3.3	15.5	2.5	13.8	2.8	8.3	1.2	7.7	1.1	83.6	823.5	Clay		
RRMDD602	5.3	6.1	0.8	151.9	227.3	36.1	128.9	24.7	4.1	18.3	2.9	15.2	3.0	8.7	1.2	7.9	1.1	92.1	723.3	Clay		
RRMDD602	6.1	6.9	0.8	151.9	294.8	38.1	134.7	25.4	4.3	19.2	3.0	15.8	3.1	9.2	1.2	8.2	1.1	95.2	805.4	Clay		
RRMDD602	6.9	7.8	0.8	117.3	235.9	32.9	123.1	24.1	4.3	20.3	3.2	17.2	3.3	9.3	1.2	7.6	1.1	98.4	699.0	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD602	7.8	8.6	0.8	102.6	226.6	27.9	107.4	22.4	4.1	20.5	3.5	18.5	3.6	10.3	1.2	7.7	1.1	104.0	661.5	Clay	10.2	637
RRMDD602	8.6	9.4	0.8	86.3	194.7	23.3	87.9	18.1	3.3	15.6	2.6	15.3	3.1	8.6	1.1	7.1	0.9	91.8	559.7	Clay		
RRMDD602	9.4	10.4	0.9	81.2	176.3	20.2	73.2	13.9	2.5	10.9	1.8	10.5	2.2	6.8	0.9	6.0	0.9	74.5	481.9	Clay		
RRMDD602	10.4	11.3	0.9	81.0	181.2	20.5	73.7	13.5	2.5	10.3	1.7	9.4	2.1	6.3	0.9	6.1	1.0	75.3	485.4	Clay		
RRMDD602	11.3	12.3	0.9	88.4	202.7	21.9	78.6	14.7	2.8	11.1	1.8	9.9	2.1	6.6	0.9	6.4	1.0	79.4	528.3	Clay		
RRMDD602	12.3	13.2	0.9	91.4	211.9	22.4	80.4	15.5	2.8	11.5	1.8	10.0	2.1	6.4	0.8	6.0	1.0	87.9	551.7	Lower Saprolite		
RRMDD602	13.2	14.2	1.0	84.9	192.9	20.5	73.4	13.8	2.5	10.1	1.6	8.6	1.8	5.2	0.7	4.8	0.7	61.3	482.6	Lower Saprolite		
RRMDD602	14.2	15.2	1.0	81.9	186.1	19.9	71.3	13.2	2.4	10.0	1.5	8.4	1.8	5.2	0.7	4.8	0.7	56.5	464.3	Saprock		
RRMDD602	15.2	16.2	1.0	70.4	157.8	17.5	62.5	11.8	2.2	8.9	1.4	7.3	1.5	4.4	0.6	4.0	0.6	46.5	397.4	Saprock		
RRMDD602	16.2	17.2	1.0	72.4	164.0	17.4	62.1	11.4	2.2	8.9	1.2	6.8	1.4	3.8	0.6	4.1	0.6	43.9	400.7	Fresh Rock		
RRMDD602	17.2	18.1	1.0	67.4	162.8	16.4	59.8	11.1	2.2	8.9	1.3	7.4	1.5	4.1	0.6	3.7	0.5	43.6	391.3	Fresh Rock		
RRMDD602	18.1	19.1	1.0	62.7	139.4	15.2	54.7	10.3	2.1	7.8	1.1	6.1	1.2	3.5	0.5	3.5	0.5	37.2	345.8	Fresh Rock		
RRMDD603	0.0	1.6	1.6	258.0	464.3	54.6	189.0	32.2	5.1	25.0	3.7	20.6	3.4	8.9	1.3	8.3	1.1	80.3	1155.7	Hardcap		
RRMDD603	1.6	3.1	1.6	263.9	617.9	52.9	173.8	29.3	4.5	21.0	3.2	17.7	3.0	8.4	1.2	8.3	1.1	75.6	1281.7	Hardcap		
RRMDD603	3.1	4.7	1.6	123.1	433.6	25.5	87.0	14.8	2.4	11.8	1.8	10.9	2.0	6.4	1.0	6.5	0.9	64.9	792.8	Hardcap		
RRMDD603	4.7	5.3	0.6	137.2	211.3	30.9	103.0	17.3	3.2	13.5	2.0	11.3	2.3	6.3	0.9	6.1	0.8	70.9	616.9	Clay		
RRMDD603	5.3	6.3	1.0	126.1	208.2	31.9	110.8	19.4	3.4	14.4	2.2	12.0	2.3	6.2	0.9	5.9	0.8	70.1	614.6	Clay		
RRMDD603	6.3	7.3	1.0	97.7	199.6	27.7	104.6	20.0	3.9	17.1	2.7	15.1	2.9	7.5	1.1	6.5	0.9	89.0	596.4	Clay		
RRMDD603	7.3	8.1	0.9	81.2	172.6	20.5	76.0	13.3	2.7	10.7	1.7	9.9	1.9	5.6	0.8	5.3	0.7	62.4	465.4	Clay		
RRMDD603	8.1	9.0	0.9	81.4	180.6	20.2	73.4	13.6	2.8	11.1	1.8	9.7	1.9	5.3	0.8	5.1	0.7	65.0	473.5	Clay		
RRMDD603	9.0	9.9	0.9	87.3	197.8	21.4	76.3	14.1	2.9	11.0	1.7	9.6	2.0	5.2	0.8	5.1	0.7	65.3	501.0	Clay		
RRMDD603	9.9	10.9	1.0	79.6	178.1	19.3	69.6	12.5	2.5	10.1	1.6	8.5	1.8	4.9	0.8	5.0	0.8	61.7	456.9	Clay		
RRMDD603	10.9	12.0	1.0	91.0	203.3	21.7	77.0	13.9	2.8	11.1	1.7	9.4	1.9	5.3	0.8	5.4	0.8	66.8	512.8	Clay		
RRMDD603	12.0	13.0	1.0	90.5	216.2	22.2	78.0	13.4	2.8	10.6	1.6	9.2	1.9	5.2	0.8	5.1	0.8	60.8	518.9	Clay		
RRMDD603	13.0	14.1	1.1	62.7	152.9	16.3	57.9	10.7	2.3	8.9	1.3	7.5	1.5	4.3	0.7	4.2	0.6	49.7	381.4	Clay		
RRMDD603	14.1	15.1	1.1	74.5	184.9	18.7	66.6	12.0	2.4	9.7	1.4	8.2	1.6	4.4	0.6	4.3	0.6	50.3	440.2	Clay		
RRMDD603	15.1	16.2	1.1	84.4	200.8	20.8	73.7	13.1	2.5	9.9	1.5	8.5	1.7	4.8	0.7	4.9	0.7	53.5	481.6	Clay		
RRMDD603	16.2	17.2	1.1	58.6	140.7	14.7	53.8	10.4	2.1	8.2	1.3	7.3	1.5	4.0	0.6	4.0	0.6	45.3	353.0	Clay		
RRMDD603	17.2	18.3	1.1	72.1	165.2	17.9	63.6	11.5	2.5	9.5	1.4	8.1	1.6	4.5	0.7	4.3	0.6	51.4	415.1	Clay		
RRMDD603	18.3	19.4	1.1	57.9	130.2	14.3	51.6	9.7	2.1	7.9	1.2	7.0	1.4	4.0	0.6	3.9	0.6	44.2	336.7	Clay		
RRMDD603	19.4	20.4	1.1	62.5	144.3	15.8	56.7	10.6	2.3	8.3	1.3	7.2	1.4	3.9	0.6	3.9	0.6	43.4	363.0	Clay		
RRMDD603	20.4	21.5	1.1	74.5	166.4	18.1	63.0	11.7	2.4	9.5	1.5	8.6	1.8	4.9	0.7	4.8	0.7	57.1	425.7	Clay		
RRMDD603	21.5	22.5	1.0	70.1	156.6	17.0	59.6	10.6	2.2	8.7	1.3	7.4	1.5	4.0	0.6	3.8	0.6	46.2	390.3	Clay		
RRMDD603	22.5	23.5	1.0	67.9	149.9	16.5	58.7	10.7	2.2	8.6	1.3	7.6	1.6	4.3	0.6	4.3	0.6	49.8	384.5	Clay		
RRMDD603	23.5	24.6	1.1	91.5	202.1	21.9	76.6	13.0	2.5	9.9	1.5	8.0	1.6	4.2	0.6	4.0	0.5	48.9	486.8	Upper Saprolite		
RRMDD603	24.6	25.7	1.1	82.4	185.5	19.5	67.1	11.7	2.2	8.8	1.4	7.5	1.5	4.0	0.6	4.1	0.6	47.6	444.4	Upper Saprolite		
RRMDD603	25.7	26.9	1.2	83.5	195.3	19.3	68.7	11.8	2.2	8.9	1.3	7.3	1.5	4.0	0.6	3.7	0.6	45.3	453.9	Lower Saprolite		
RRMDD603	26.9	28.0	1.1	69.5	159.7	16.3	58.8	10.4	2.3	8.9	1.3	7.3	1.4	3.7	0.5	3.5	0.6	41.7	385.9	Saprock		
RRMDD603	28.0	29.2	1.1	71.9	169.5	16.9	60.7	10.7	2.1	8.2	1.3	7.3	1.5	4.1	0.6	3.9	0.6	46.1	405.3	Saprock		
RRMDD603	29.2	30.3	1.1	68.0	156.0	15.9	56.8	9.7	2.2	8.6	1.3	7.4	1.5	4.2	0.6	4.0	0.6	46.9	383.7	Saprock		
RRMDD603	30.3	31.4	1.1	68.5	154.2	15.9	56.9	10.1	2.2	8.7	1.3	7.1	1.4	3.7	0.5	3.6	0.5	40.9	375.5	Saprock		
RRMDD604	0.0	1.7	1.7	120.2	216.8	24.3	78.7	13.8	2.1	10.7	1.6	10.0	1.8	5.6	0.9	5.9	0.9	52.2	545.5	Hardcap		
RRMDD604	1.7	3.4	1.7	161.3	665.8	29.7	95.2	15.8	2.5	11.5	1.8	10.7	1.9	5.7	0.9	6.3	0.9	53.2	1063.1	Hardcap		
RRMDD604	3.4	4.4	1.0	215.2	540.5	40.2	130.1	21.0	3.4	16.3	2.5	15.0	2.7	8.2	1.3	8.4	1.2	78.9	1084.9	Transition		
RRMDD604	4.4	5.4	1.0	205.8	513.5	39.9	129.5	21.6	3.6	17.8	2.7	16.4	3.0	9.2	1.4	9.3	1.4	98.0	1073.1	Transition		
RRMDD604	5.4	6.3	0.9	168.9	256.7	43.7	155.7	27.1	5.0	21.8	3.3	18.3	3.7	10.6	1.5	9.4	1.4	111.8	838.9	Mottled		

																				>200ppm TREO-CeO ₂ Interval		
Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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
RRMDD604	6.3	7.2	0.9	143.7	271.5	39.5	144.6	26.7	5.0	21.5	3.2	17.6	3.4	9.9	1.3	8.5	1.2	105.1	802.8	Mottled		
RRMDD604	7.2	8.1	0.9	116.9	236.5	31.9	120.1	23.0	4.4	19.7	3.0	16.5	3.2	9.1	1.2	7.7	1.1	96.5	690.9	Mottled		
RRMDD604	8.1	9.0	0.9	98.5	220.5	26.7	103.7	19.7	4.4	19.4	3.1	17.2	3.3	8.4	1.2	7.3	1.1	92.8	627.2	Clay		
RRMDD604	9.0	9.8	0.9	48.9	107.2	13.0	48.6	9.9	2.2	10.0	1.6	10.1	2.2	6.4	0.9	6.0	0.9	68.7	336.6	Clay		
RRMDD604	9.8	11.0	1.2	70.4	159.7	18.8	69.5	13.4	2.9	12.9	1.9	11.5	2.4	7.1	1.0	6.4	0.9	76.2	455.0	Clay		
RRMDD604	11.0	12.1	1.2	74.6	164.6	19.0	70.0	13.9	2.9	12.1	1.9	11.0	2.3	6.9	0.9	6.3	0.9	73.4	460.6	Clay		
RRMDD604	12.1	13.1	0.9	70.6	155.4	17.6	63.9	12.5	2.6	10.6	1.6	9.2	2.0	6.0	0.9	5.7	0.8	64.8	424.2	Clay		
RRMDD604	13.1	14.0	0.9	66.1	148.0	16.6	59.4	11.7	2.5	10.0	1.5	8.7	1.8	5.9	0.9	5.8	0.9	65.0	405.0	Upper Saprolite		
RRMDD604	14.0	14.9	0.9	80.9	178.1	20.2	73.5	13.6	2.8	11.9	1.8	10.0	2.3	7.2	1.0	6.5	1.1	106.5	517.5	Upper Saprolite		
RRMDD604	14.9	15.8	0.9	108.1	245.1	25.4	87.2	15.6	2.9	12.1	1.7	9.7	2.1	6.2	0.9	5.8	0.8	71.2	594.9	Upper Saprolite		
RRMDD604	15.8	16.7	0.9	74.8	163.4	18.2	64.9	12.3	2.3	9.3	1.3	7.1	1.4	4.0	0.6	3.8	0.6	42.5	406.4	Lower Saprolite	11.3	542
RRMDD604	16.7	17.4	0.7	78.2	174.4	19.1	66.8	12.4	2.5	9.6	1.4	7.9	1.5	4.3	0.6	4.0	0.6	46.6	430.0	Saprock		
RRMDD604	17.4	18.1	0.7	65.4	141.9	15.8	55.1	10.7	2.1	8.7	1.2	6.6	1.3	3.8	0.5	3.6	0.5	40.9	358.2	Saprock		
RRMDD604	18.1	19.3	1.3	82.8	184.3	19.1	68.5	11.8	2.5	9.8	1.5	7.9	1.6	4.4	0.6	4.0	0.6	49.9	449.2	Saprock		
RRMDD605	0.0	1.5	1.5	201.1	646.1	34.7	107.5	18.1	2.8	13.7	2.2	12.5	2.3	6.7	1.0	6.7	1.0	56.9	1113.3	Hardcap		
RRMDD605	1.5	3.0	1.5	216.4	609.3	41.2	133.0	22.1	3.4	16.6	2.6	14.7	2.6	7.5	1.1	7.6	1.0	67.1	1146.2	Transition		
RRMDD605	3.0	4.4	1.5	151.9	480.3	32.9	113.3	19.5	3.2	15.8	2.4	14.9	2.8	8.5	1.3	8.4	1.3	85.0	941.3	Transition		
RRMDD605	4.4	5.5	1.0	165.4	203.9	36.1	124.8	22.0	3.8	17.6	2.6	14.5	2.9	9.0	1.2	8.1	1.2	93.8	707.1	Mottled		
RRMDD605	5.5	6.5	1.0	164.8	213.7	37.1	128.9	22.5	4.0	18.1	2.6	14.5	3.0	8.8	1.2	8.0	1.2	94.9	723.3	Mottled		
RRMDD605	6.5	7.5	1.0	134.3	199.6	31.1	107.8	19.1	3.5	16.0	2.4	13.2	2.7	8.4	1.3	7.3	1.1	85.8	633.5	Mottled		
RRMDD605	7.5	8.4	0.9	144.8	293.6	38.3	138.8	26.2	4.9	21.8	3.2	17.0	3.2	8.6	1.2	7.3	1.0	94.4	804.4	Clay		
RRMDD605	8.4	9.3	0.9	73.9	154.8	18.4	69.2	13.6	2.8	13.1	2.0	11.8	2.6	7.8	1.1	6.9	1.0	88.8	467.8	Clay		
RRMDD605	9.3	10.3	1.0	72.5	157.2	17.3	60.9	12.1	2.4	10.7	1.6	9.5	2.1	6.4	0.9	5.7	0.9	73.4	433.6	Clay		
RRMDD605	10.3	11.3	1.0	76.1	165.8	18.4	65.9	12.7	2.5	10.7	1.6	9.5	2.0	6.2	0.9	5.8	0.9	71.5	450.4	Clay		
RRMDD605	11.3	12.3	1.0	85.5	186.1	20.8	74.1	13.9	2.9	12.5	1.8	10.5	2.2	6.8	0.9	6.1	0.9	76.8	501.8	Clay		
RRMDD605	12.3	13.2	0.9	70.4	152.3	16.3	57.2	10.1	2.1	8.8	1.3	7.0	1.4	4.1	0.6	3.7	0.6	42.2	377.8	Upper Saprolite		
RRMDD605	13.2	14.1	0.9	61.2	135.7	14.6	52.6	9.8	2.0	8.5	1.2	6.7	1.3	3.8	0.6	3.6	0.6	39.6	341.9	Upper Saprolite		
RRMDD605	14.1	15.0	0.9	81.3	183.0	19.6	69.6	12.2	2.4	10.6	1.5	8.7	1.8	5.2	0.7	4.8	0.7	58.8	461.0	Upper Saprolite		
RRMDD605	15.0	15.9	0.9	82.7	190.4	19.8	69.6	12.3	2.4	10.6	1.6	9.0	1.9	5.3	0.8	4.9	0.8	64.6	476.7	Upper Saprolite		
RRMDD605	15.9	16.8	0.9	77.3	178.7	19.0	66.4	12.2	2.2	9.8	1.4	7.7	1.6	4.6	0.7	4.0	0.6	49.4	435.7	Upper Saprolite		
RRMDD605	16.8	17.8	0.9	67.4	153.6	16.1	57.0	10.7	2.0	8.4	1.2	6.7	1.3	4.0	0.6	3.6	0.5	41.7	374.9	Upper Saprolite		
RRMDD605	17.8	18.7	0.9	94.9	234.6	22.7	79.2	14.1	2.6	11.5	1.6	9.0	1.8	5.0	0.7	4.2	0.7	56.4	539.0	Upper Saprolite		
RRMDD605	18.7	19.5	0.8	80.7	186.1	18.7	65.8	11.8	2.3	9.5	1.3	7.3	1.5	4.1	0.6	3.7	0.6	45.6	439.6	Lower Saprolite		
RRMDD605	19.5	20.2	0.8	88.1	203.3	20.5	72.3	13.0	2.3	10.3	1.5	7.9	1.6	4.3	0.6	3.8	0.6	48.0	478.2	Lower Saprolite	15.8	513
RRMDD605	20.2	21.2	1.0	71.4	164.6	16.8	60.1	10.9	2.2	9.0	1.3	6.9	1.3	3.8	0.5	3.3	0.5	41.1	393.8	Saprock		
RRMDD605	21.2	22.2	1.0	77.4	186.7	18.3	64.7	11.6	2.2	9.4	1.3	7.3	1.5	4.3	0.6	3.8	0.6	47.7	437.5	Saprock		
RRMDD605	22.2	23.3	1.0	75.6	177.5	17.8	62.4	11.2	2.2	9.3	1.3	7.3	1.5	4.2	0.6	3.6	0.6	46.2	421.4	Saprock		
RRMDD605	23.3	24.3	1.0	76.3	177.5	18.4	65.3	11.6	2.2	9.0	1.3	6.9	1.4	3.8	0.5	3.4	0.5	42.2	420.4	Saprock		
RRMDD605	24.3	25.3	1.0	79.3	181.2	18.8	65.7	11.9	2.2	9.1	1.3	7.0	1.4	3.9	0.5	3.5	0.5	42.4	428.6	Saprock		
RRMDD605	25.3	26.3	1.0	57.2	141.3	13.7	48.4	8.8	1.7	7.4	1.1	6.3	1.2	3.4	0.5	3.0	0.5	37.0	331.4	Saprock		
RRMDD606	0.0	1.7	1.7	88.5	280.1	15.5	49.2	8.6	1.4	6.8	1.2	7.3	1.4	4.4	0.7	4.9	0.8	38.7	509.5	Hardcap		
RRMDD606	1.7	3.5	1.7	106.8	637.5	21.5	70.5	12.8	2.1	9.8	1.6	9.8	1.8	5.6	0.9	6.3	0.9	50.3	938.2	Hardcap		
RRMDD606	3.5	5.2	1.7	113.2	567.5	23.6	78.8	13.8	2.3	11.1	1.9	11.0	2.0	6.2	1.0	6.7	1.0	57.7	897.7	Hardcap		
RRMDD606	5.2	7.0	1.7	118.5	330.4	23.9	77.4	14.1	2.4	11.6	1.9	11.3	2.1	6.5	1.1	7.1	1.0	60.3	669.6	Hardcap		
RRMDD606	7.0	7.8	0.9	140.1	200.8	37.8	130.1	22.3	4.2	17.8	2.6	14.2	2.7	7.7	1.1	6.9	1.0	79.1	668.5	Clay		
RRMDD606	7.8	8.7	0.9	92.7	172.6	28.5	110.9	21.0	4.2	19.2	2.8	15.4	2.9	8.0	1.1	6.8	1.1	83.8	571.1	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD606	8.7	9.5	0.9	71.7	156.6	19.4	79.5	17.3	3.6	16.9	2.5	14.3	2.7	7.6	1.0	5.9	0.9	80.9	481.0	Clay	9.9	484
RRMDD606	9.5	10.4	0.9	73.3	157.8	19.6	76.7	15.0	3.3	15.3	2.3	13.3	2.7	7.2	1.0	5.8	0.9	77.7	471.9	Clay		
RRMDD606	10.4	11.2	0.9	76.1	165.8	20.0	77.1	15.1	3.3	16.1	2.4	14.6	3.2	8.9	1.2	6.8	1.1	101.1	512.6	Clay		
RRMDD606	11.2	12.0	0.8	72.9	162.1	18.1	69.2	13.7	2.9	14.4	2.1	13.0	3.1	9.7	1.3	8.2	1.4	118.9	511.1	Clay		
RRMDD606	12.0	12.8	0.8	68.1	163.4	17.7	69.2	12.6	2.7	13.1	2.0	12.6	3.2	10.4	1.6	9.5	1.6	141.6	529.3	Clay		
RRMDD606	12.8	13.6	0.8	80.2	184.3	19.7	72.9	14.0	2.9	13.0	1.9	11.2	2.7	8.5	1.2	7.2	1.3	148.6	569.4	Clay		
RRMDD606	13.6	14.5	0.9	55.9	125.9	13.7	49.6	9.4	2.0	8.1	1.2	6.7	1.4	4.4	0.6	3.9	0.6	60.1	343.5	Upper Saprolite		
RRMDD606	14.5	15.3	0.9	59.0	135.1	14.4	52.6	9.8	2.1	8.5	1.2	7.2	1.5	4.4	0.6	3.8	0.6	49.9	350.9	Upper Saprolite		
RRMDD606	15.3	16.1	0.8	61.9	141.9	15.3	55.3	10.4	2.2	9.1	1.3	7.4	1.5	4.5	0.7	4.1	0.6	50.8	367.2	Upper Saprolite		
RRMDD606	16.1	16.8	0.8	76.5	175.0	18.5	65.7	12.5	2.4	9.8	1.4	7.3	1.4	4.0	0.6	3.5	0.6	44.1	423.1	Lower Saprolite		
RRMDD606	16.8	17.6	0.8	66.8	155.4	16.4	59.1	10.8	2.3	9.0	1.3	7.0	1.4	4.1	0.6	3.7	0.6	43.8	382.3	Saprock		
RRMDD606	17.6	18.4	0.8	63.7	148.6	15.2	54.7	10.3	2.1	8.6	1.3	7.1	1.5	4.7	0.6	4.2	0.7	48.6	371.8	Saprock		
RRMDD606	18.4	19.1	0.7	78.9	182.4	18.7	65.1	11.8	2.3	9.7	1.4	8.1	1.6	4.6	0.7	4.1	0.6	47.6	437.6	Saprock		
RRMDD606	19.1	20.2	1.1	59.1	130.8	14.3	50.4	9.6	2.1	7.9	1.2	6.8	1.3	3.8	0.5	3.5	0.5	39.0	330.8	Saprock		
RRMDD606	20.2	21.3	1.1	48.8	107.2	11.5	41.1	7.1	1.6	5.9	0.9	5.1	1.0	2.8	0.4	2.6	0.4	32.1	268.6	Saprock		
RRMDD607	0.0	1.4	1.4	201.1	449.6	34.4	101.1	15.5	2.4	11.1	1.8	10.5	2.0	6.1	0.9	6.4	0.9	51.4	895.1	Hardcap	18.3	487
RRMDD607	1.4	2.7	1.4	329.6	759.2	64.3	203.0	30.8	4.5	20.1	2.9	15.4	2.6	7.1	1.0	7.1	1.0	61.0	1509.4	Hardcap		
RRMDD607	2.7	4.1	1.4	179.4	336.6	39.3	133.0	22.1	3.7	17.8	2.7	16.1	3.0	8.8	1.4	8.9	1.3	90.7	864.8	Transition		
RRMDD607	4.1	5.1	1.0	165.4	219.9	34.8	119.0	21.6	3.8	17.8	2.6	15.7	3.2	9.1	1.3	8.2	1.2	95.0	718.6	Clay		
RRMDD607	5.1	6.1	1.0	104.7	213.1	23.9	84.2	15.8	2.8	13.6	2.1	12.5	2.5	7.6	1.2	7.5	1.1	75.6	568.2	Clay		
RRMDD607	6.1	6.9	0.8	95.6	144.3	22.2	76.9	14.4	2.8	12.2	1.8	10.7	2.2	6.3	0.9	5.9	0.9	67.8	464.8	Clay		
RRMDD607	6.9	7.7	0.8	114.9	179.3	29.7	105.1	20.1	4.0	17.4	2.5	13.9	2.6	7.1	1.0	6.4	1.0	78.1	583.3	Clay		
RRMDD607	7.7	8.5	0.8	115.6	229.7	30.7	112.9	22.1	4.7	20.3	3.0	17.3	3.3	9.1	1.3	7.8	1.1	96.3	675.2	Clay		
RRMDD607	8.5	9.8	1.2	88.1	175.7	23.2	87.0	17.5	3.6	15.9	2.4	13.9	2.6	6.9	0.9	5.7	0.8	71.7	516.0	Clay		
RRMDD607	9.8	10.6	0.8	85.7	184.3	21.7	80.9	16.1	3.5	15.5	2.3	13.7	2.7	7.5	1.1	6.5	1.0	85.1	527.6	Clay		
RRMDD607	10.6	11.4	0.8	86.7	184.9	21.6	76.3	14.6	2.9	13.3	1.9	11.8	2.5	7.0	1.0	6.1	1.0	75.9	507.4	Clay		
RRMDD607	11.4	12.5	1.1	69.4	153.6	16.9	61.9	12.1	2.5	10.7	1.6	9.3	2.0	5.8	0.8	5.2	0.8	66.3	418.9	Clay		
RRMDD607	12.5	13.6	1.1	73.1	157.2	17.2	59.7	11.6	2.5	10.4	1.5	8.7	1.8	5.4	0.8	5.1	0.8	64.6	420.4	Clay		
RRMDD607	13.6	14.7	1.1	64.9	152.3	16.0	56.9	11.2	2.4	9.8	1.5	8.6	1.8	5.4	0.8	5.2	0.8	60.3	397.9	Clay		
RRMDD607	14.7	15.8	1.1	81.0	182.4	19.8	69.6	13.3	2.8	11.2	1.7	9.8	2.0	6.0	0.9	5.7	0.9	71.1	478.3	Clay		
RRMDD607	15.8	16.8	1.0	58.4	137.0	14.0	49.5	9.5	2.0	8.3	1.2	7.4	1.5	4.7	0.7	4.8	0.8	54.2	353.9	Clay		
RRMDD607	16.8	17.8	1.0	60.5	133.9	14.6	53.3	10.5	2.3	8.8	1.3	8.0	1.6	4.8	0.7	4.4	0.7	56.4	361.8	Clay		
RRMDD607	17.8	18.8	1.0	59.5	133.9	14.4	51.3	10.1	2.2	8.8	1.2	7.2	1.5	4.5	0.6	4.1	0.6	47.6	347.6	Clay		
RRMDD607	18.8	19.9	1.0	80.2	181.2	19.3	67.3	12.6	2.7	10.8	1.5	8.5	1.7	4.7	0.7	4.0	0.6	53.0	448.9	Clay		
RRMDD607	19.9	20.7	0.8	89.4	203.3	21.5	76.0	14.0	2.9	11.6	1.6	9.1	1.8	5.2	0.7	4.7	0.7	55.5	498.1	Clay		
RRMDD607	20.7	21.4	0.8	102.2	245.1	24.3	84.3	15.1	2.9	12.0	1.7	9.5	1.8	5.2	0.7	4.6	0.7	55.7	565.8	Lower Saprolite		
RRMDD607	21.4	22.4	0.9	91.4	209.4	21.7	75.9	14.2	2.8	11.0	1.6	8.8	1.7	5.1	0.7	4.6	0.7	53.2	502.8	Lower Saprolite		
RRMDD607	22.4	23.4	1.0	82.3	181.2	19.1	67.3	12.2	2.7	10.4	1.5	8.4	1.6	4.3	0.6	4.0	0.6	47.4	443.7	Saprock		
RRMDD607	23.4	24.3	0.9	60.3	132.7	14.1	51.2	9.1	2.1	7.7	1.2	6.7	1.3	3.5	0.5	3.4	0.5	39.9	334.2	Saprock		
RRMDD607	24.3	25.5	1.2	61.5	141.9	14.4	51.8	9.2	2.1	7.8	1.2	6.5	1.3	3.7	0.5	3.2	0.5	40.8	346.3	Saprock		
RRMDD607	25.5	26.7	1.2	62.0	147.4	14.6	52.4	9.6	2.0	7.8	1.2	6.6	1.4	3.8	0.6	3.5	0.6	41.8	355.2	Saprock		
RRMDD607	26.7	27.9	1.2	67.1	155.4	16.3	57.5	10.8	2.1	8.5	1.3	7.0	1.3	3.7	0.5	3.3	0.5	38.6	373.9	Saprock		
RRMDD607	27.9	29.1	1.2	53.1	120.4	12.9	46.5	8.7	1.8	7.5	1.2	6.7	1.3	4.0	0.5	3.6	0.5	39.5	308.3	Saprock		
RRMDD607	29.1	30.3	1.2	61.0	134.5	14.7	52.6	9.9	2.0	8.2	1.3	7.4	1.4	4.3	0.6	3.8	0.6	45.1	347.4	Saprock		
RRMDD607	30.3	31.5	1.2	59.5	127.8	14.2	51.1	9.8	2.0	8.3	1.3	7.4	1.4	4.2	0.6	3.9	0.6	43.6	335.4	Saprock		
RRMDD608	0.0	1.6	1.6	191.8	371.0	40.0	129.5	20.9	3.3	15.0	2.4	13.6	2.6	7.0	1.1	7.2	1.0	65.7	872.2	Hardcap		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD608	1.6	3.2	1.6	188.8	382.0	38.9	130.1	21.7	3.4	16.5	2.5	14.8	2.6	7.8	1.2	8.2	1.2	76.1	895.9	Transition		
RRMDD608	3.2	4.9	1.6	120.2	386.9	26.3	92.3	16.8	2.7	13.2	2.0	11.9	2.2	6.7	1.0	6.8	1.0	68.8	759.0	Transition		
RRMDD608	4.9	5.8	0.9	181.8	269.0	47.1	162.1	27.9	5.0	22.6	3.2	16.7	2.9	8.2	1.0	6.9	1.0	91.9	847.5	Mottled		
RRMDD608	5.8	6.7	0.9	132.5	213.7	36.6	130.6	23.1	4.2	19.4	2.9	15.4	2.8	8.0	1.1	6.9	0.9	86.6	684.7	Mottled		
RRMDD608	6.7	7.6	0.9	109.2	208.2	31.2	114.3	21.0	3.9	17.9	2.7	15.3	2.7	7.7	1.0	6.6	0.9	81.3	623.8	Clay		
RRMDD608	7.6	8.5	0.9	91.5	195.3	25.4	95.9	18.4	3.5	16.8	2.6	14.9	2.7	7.9	1.0	6.6	0.9	88.0	571.5	Clay		
RRMDD608	8.5	9.4	0.9	96.9	213.7	25.4	96.1	18.6	3.6	17.4	2.7	15.6	2.9	8.1	1.0	6.4	0.9	89.7	598.9	Clay		
RRMDD608	9.4	10.4	1.0	88.8	197.2	22.4	82.8	15.5	3.0	14.1	2.1	12.6	2.4	7.0	1.0	6.3	0.9	78.4	534.5	Clay		
RRMDD608	10.4	11.4	1.0	78.3	170.7	19.5	70.0	13.6	2.8	12.2	1.9	11.3	2.3	7.0	1.0	6.6	1.0	82.2	480.3	Clay		
RRMDD608	11.4	12.5	1.0	77.8	166.4	19.6	71.6	14.1	3.0	13.7	2.1	12.7	2.7	8.2	1.2	7.6	1.1	95.4	497.1	Clay		
RRMDD608	12.5	13.5	1.0	80.6	180.0	19.8	71.4	13.7	2.9	12.1	1.8	11.0	2.2	6.8	1.0	6.9	1.0	84.2	495.4	Clay		
RRMDD608	13.5	14.5	1.0	68.6	157.8	16.2	58.6	10.3	2.4	8.7	1.3	7.6	1.6	4.8	0.8	5.1	0.9	59.8	404.4	Clay		
RRMDD608	14.5	15.3	0.9	80.1	180.6	19.1	69.3	12.3	2.8	10.6	1.6	9.0	1.9	5.5	0.8	5.2	0.9	75.2	474.8	Clay		
RRMDD608	15.3	16.2	0.9	82.4	186.7	19.8	71.3	12.9	2.9	11.1	1.7	9.4	1.9	5.4	0.8	4.9	0.8	75.6	487.6	Clay		
RRMDD608	16.2	17.0	0.9	91.1	203.9	21.0	73.8	12.8	2.8	10.2	1.5	8.3	1.6	4.4	0.6	3.9	0.6	54.1	490.5	Clay		
RRMDD608	17.0	18.0	1.0	86.3	201.5	20.3	72.4	12.6	2.6	10.1	1.5	8.7	1.8	5.0	0.7	4.7	0.8	58.7	487.7	Upper Sapolite		
RRMDD608	18.0	19.0	1.0	84.9	199.0	20.4	73.8	12.9	2.7	10.3	1.5	8.3	1.6	4.4	0.6	4.0	0.6	49.5	474.7	Upper Sapolite		
RRMDD608	19.0	20.0	1.0	82.6	189.8	19.5	71.0	12.1	2.6	9.8	1.5	8.3	1.5	4.2	0.6	3.9	0.6	46.4	454.3	Upper Sapolite		
RRMDD608	20.0	21.0	1.0	75.2	174.4	17.8	64.9	11.4	2.5	9.3	1.4	8.1	1.6	4.5	0.7	4.3	0.7	50.5	427.3	Upper Sapolite		
RRMDD608	21.0	22.0	0.9	86.2	196.5	20.8	73.6	13.2	2.7	10.8	1.5	8.2	1.5	4.0	0.6	3.9	0.6	45.7	469.8	Lower Sapolite		
RRMDD608	22.0	22.7	0.8	66.6	158.5	17.0	61.0	11.3	2.4	9.4	1.4	8.0	1.5	4.6	0.7	4.3	0.6	46.2	393.5	Lower Sapolite		
RRMDD608	22.7	23.5	0.8	66.1	162.1	17.0	61.1	11.5	2.5	9.9	1.5	8.9	1.8	5.4	0.8	4.9	0.7	53.5	407.6	Lower Sapolite	18.7	515
RRMDD608	23.5	24.4	0.8	52.5	126.5	13.5	49.6	9.6	2.1	8.1	1.2	7.3	1.4	4.2	0.6	4.0	0.6	41.0	322.0	Saprock		
RRMDD608	24.4	25.2	0.8	54.4	129.0	13.7	50.6	9.8	2.2	8.7	1.4	8.1	1.5	4.5	0.6	4.3	0.6	47.1	336.6	Saprock		
RRMDD608	25.2	26.1	0.8	70.3	159.1	17.3	61.9	11.4	2.6	9.9	1.5	8.6	1.7	5.0	0.7	4.5	0.7	51.4	406.4	Saprock		
RRMDD608	26.1	26.9	0.9	63.1	141.3	15.6	56.5	10.5	2.2	8.6	1.3	7.2	1.4	4.1	0.5	3.8	0.6	40.9	357.5	Saprock		
RRMDD608	26.9	27.8	0.8	78.5	173.8	19.8	70.6	12.9	2.9	11.2	1.7	9.5	1.9	5.6	0.7	5.2	0.7	58.8	453.7	Saprock		
RRMDD608	27.8	28.9	1.2	61.0	139.4	15.3	56.2	10.3	2.2	8.3	1.3	6.5	1.3	3.5	0.5	3.2	0.5	37.6	347.1	Saprock		
RRMDD609	0.0	1.6	1.6	152.5	379.6	29.0	91.4	15.7	2.5	12.0	1.9	10.8	2.2	6.3	1.0	6.0	0.9	60.2	771.8	Hardcap		
RRMDD609	1.6	3.1	1.6	193.5	572.4	35.8	114.0	18.6	2.9	13.3	2.1	11.5	2.3	6.2	0.9	6.0	0.9	57.8	1038.0	Hardcap		
RRMDD609	3.1	4.1	0.9	169.5	255.5	35.9	122.5	21.4	3.7	17.2	2.6	15.3	3.2	8.9	1.3	8.2	1.2	97.1	763.5	Transition		
RRMDD609	4.1	5.0	1.0	164.2	248.1	38.7	136.5	24.2	4.3	19.4	2.9	15.3	3.0	8.0	1.2	6.9	1.1	95.5	769.2	Mottled		
RRMDD609	5.0	6.0	1.0	112.0	180.6	27.9	100.1	18.4	3.3	15.3	2.4	12.6	2.5	7.2	1.1	6.4	1.0	81.9	572.6	Mottled		
RRMDD609	6.0	6.9	1.0	130.8	269.0	37.9	141.1	26.3	5.0	22.0	3.4	17.3	3.3	8.4	1.2	7.0	1.0	96.3	770.1	Clay		
RRMDD609	6.9	7.9	1.0	86.9	186.1	23.0	86.1	16.7	3.2	15.0	2.4	12.9	2.6	7.2	1.0	6.3	0.9	82.7	533.0	Clay		
RRMDD609	7.9	8.8	0.9	96.4	238.9	25.0	92.4	17.3	3.4	14.5	2.3	12.5	2.5	7.0	0.9	6.0	0.8	78.7	598.8	Clay		
RRMDD609	8.8	9.6	0.8	53.2	125.9	13.7	50.2	9.5	2.0	8.3	1.4	7.6	1.6	4.6	0.7	4.6	0.7	53.6	337.7	Clay		
RRMDD609	9.6	10.1	0.4	53.2	125.9	13.4	49.0	9.1	1.9	7.8	1.2	6.9	1.5	4.3	0.7	4.4	0.7	47.2	327.3	Clay		
RRMDD609	10.1	11.0	0.9	64.6	143.1	15.5	56.1	10.7	2.4	9.3	1.4	8.0	1.6	4.7	0.7	4.6	0.8	55.5	379.0	Clay		
RRMDD609	11.0	11.9	0.9	82.6	187.3	20.9	76.6	13.5	2.7	11.3	1.8	9.8	2.1	5.8	0.9	5.5	0.9	71.7	493.2	Upper Sapolite		
RRMDD609	11.9	12.8	0.9	84.9	187.9	20.2	72.2	12.8	2.4	10.0	1.5	7.9	1.6	4.5	0.7	4.2	0.6	47.9	459.4	Upper Sapolite		
RRMDD609	12.8	13.5	0.8	72.9	164.0	18.1	66.0	12.2	2.4	10.3	1.6	8.5	1.8	4.9	0.7	4.6	0.7	61.3	430.0	Lower Sapolite		
RRMDD609	13.5	14.3	0.8	67.8	149.9	16.4	59.0	11.3	2.2	8.6	1.4	7.8	1.6	4.5	0.7	4.4	0.6	49.8	386.0	Lower Sapolite		
RRMDD609	14.3	15.1	0.7	97.9	218.0	23.4	84.6	15.0	2.7	11.2	1.7	8.8	1.7	4.6	0.7	4.1	0.6	53.1	528.1	Lower Sapolite		
RRMDD609	15.1	15.8	0.7	79.2	181.2	18.5	65.2	11.2	2.3	9.1	1.4	7.4	1.4	4.1	0.6	3.6	0.6	43.3	429.1	Lower Sapolite		
RRMDD609	15.8	16.5	0.7	85.7	197.8	19.6	69.4	11.7	2.2	9.1	1.3	7.5	1.4	4.0	0.6	3.6	0.6	45.0	459.6	Lower Sapolite	12.4	511

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD609	16.5	17.6	1.1	66.7	153.6	16.4	58.4	10.7	2.2	8.4	1.3	6.6	1.2	3.5	0.5	3.3	0.5	37.6	370.9	Saprock		
RRMDD609	17.6	18.6	1.1	64.6	148.0	15.4	55.4	10.0	2.2	9.0	1.4	7.4	1.5	4.3	0.6	4.1	0.6	47.0	371.5	Saprock		
RRMDD609	18.6	19.7	1.1	60.5	135.7	14.7	53.5	10.0	2.0	8.0	1.2	6.3	1.2	3.2	0.5	3.1	0.5	35.3	335.6	Saprock		
RRMDD609	19.7	20.5	0.8	64.5	147.4	15.0	54.1	9.7	1.9	8.1	1.3	7.5	1.6	4.6	0.7	4.4	0.7	50.9	372.3	Saprock		
RRMDD609	20.5	21.4	0.8	68.5	152.9	16.7	60.1	10.8	2.1	8.8	1.4	7.3	1.4	3.7	0.6	3.5	0.5	42.3	380.6	Saprock		
RRMDD609	21.4	22.2	0.8	62.7	133.3	14.5	51.9	9.2	1.9	7.8	1.2	6.6	1.3	3.9	0.6	3.6	0.6	42.2	341.1	Saprock		
RRMDD610	0.0	1.9	1.9	139.0	363.6	26.8	86.5	14.4	2.4	10.6	1.7	9.1	1.9	5.2	0.8	5.3	0.8	49.5	717.5	Hardcap		
RRMDD610	1.9	3.8	1.9	119.6	372.2	21.4	67.2	11.3	1.9	8.2	1.3	7.3	1.5	4.3	0.7	4.2	0.6	40.6	662.4	Hardcap		
RRMDD610	3.8	4.9	1.1	157.2	348.9	31.2	102.6	16.8	2.8	13.1	2.1	11.6	2.4	6.7	1.0	6.7	1.0	69.2	773.3	Transition		
RRMDD610	4.9	5.6	0.7	129.6	241.4	31.7	106.8	17.9	2.9	12.7	2.0	10.5	2.0	5.6	0.8	5.4	0.8	60.4	630.5	Clay		
RRMDD610	5.6	6.4	0.8	91.7	184.9	24.0	90.7	16.6	2.9	13.5	2.1	11.4	2.2	6.2	0.9	5.6	0.8	66.5	520.3	Clay		
RRMDD610	6.4	7.1	0.7	110.1	253.1	29.5	114.1	22.8	4.2	20.2	3.2	17.0	3.1	7.9	1.1	6.6	0.9	89.9	683.6	Clay		
RRMDD610	7.1	7.7	0.7	92.1	211.3	23.8	89.6	17.5	3.3	15.3	2.4	12.9	2.6	7.0	1.0	5.8	0.9	80.9	566.0	Clay		
RRMDD610	7.7	8.9	1.1	81.6	186.7	20.5	74.8	14.1	2.7	12.2	2.0	10.6	2.2	6.1	0.9	5.4	0.8	71.4	491.9	Clay		
RRMDD610	8.9	10.0	1.1	89.0	205.8	22.0	79.1	13.9	2.6	10.9	1.7	9.2	1.9	5.4	0.8	5.4	0.8	65.7	514.2	Clay		
RRMDD610	10.0	11.1	1.1	84.6	197.8	20.5	72.7	14.0	2.9	12.1	1.8	9.4	1.9	5.4	0.8	5.0	0.7	61.8	491.3	Clay		
RRMDD610	11.1	12.2	1.1	86.7	202.7	20.7	72.7	13.5	2.8	11.6	1.7	8.9	1.8	5.2	0.7	4.8	0.7	58.5	492.9	Clay		
RRMDD610	12.2	13.4	1.1	88.5	207.6	21.1	73.9	13.6	2.7	11.4	1.7	9.2	1.8	5.3	0.8	5.2	0.8	56.6	500.2	Clay		
RRMDD610	13.4	14.3	0.9	71.2	162.1	17.6	62.3	11.8	2.4	10.0	1.5	8.0	1.6	4.5	0.7	4.3	0.6	49.5	408.0	Upper Sapolite		
RRMDD610	14.3	15.3	0.9	73.5	168.3	17.9	63.0	12.0	2.3	9.6	1.4	7.6	1.6	4.4	0.7	4.4	0.6	47.5	414.8	Upper Sapolite		
RRMDD610	15.3	16.2	0.9	67.2	152.9	16.1	57.4	10.6	2.4	9.2	1.4	7.3	1.5	4.1	0.6	4.0	0.6	45.0	380.3	Upper Sapolite		
RRMDD610	16.2	16.8	0.6	63.7	142.5	15.4	55.4	10.5	2.3	8.6	1.2	6.5	1.3	3.7	0.5	3.5	0.5	39.0	354.6	Upper Sapolite		
RRMDD610	16.8	17.8	1.0	67.4	152.9	16.6	59.6	11.1	2.4	9.6	1.5	7.9	1.6	4.4	0.7	4.2	0.6	47.9	388.4	Upper Sapolite		
RRMDD610	17.8	18.8	1.0	78.1	175.7	18.8	66.1	12.1	2.4	9.8	1.4	7.3	1.4	4.0	0.6	3.6	0.5	40.4	422.1	Upper Sapolite		
RRMDD610	18.8	19.8	0.9	71.9	166.4	17.5	62.1	11.7	2.4	9.5	1.4	7.4	1.5	4.0	0.6	4.0	0.6	45.3	406.2	Lower Sapolite		
RRMDD610	19.8	20.7	0.9	89.1	212.5	21.6	75.8	13.8	2.5	10.9	1.6	8.7	1.7	4.6	0.6	4.0	0.6	48.8	496.9	Lower Sapolite		
RRMDD610	20.7	21.7	0.9	83.7	194.1	20.4	71.0	13.0	2.6	10.6	1.5	8.0	1.5	4.0	0.6	3.8	0.5	43.9	459.4	Lower Sapolite		
RRMDD610	21.7	22.6	0.9	68.4	164.0	16.6	57.9	10.8	2.2	9.4	1.4	7.6	1.6	4.7	0.7	4.7	0.6	49.0	399.5	Lower Sapolite		
RRMDD610	22.6	23.5	0.9	76.0	183.6	18.7	66.1	12.1	2.5	10.0	1.4	7.6	1.5	4.1	0.6	3.9	0.6	43.8	432.4	Lower Sapolite		
RRMDD610	23.5	24.5	0.9	55.7	133.3	14.1	50.2	9.7	2.0	7.7	1.2	6.4	1.3	3.5	0.5	3.5	0.5	36.3	325.9	Lower Sapolite		
RRMDD610	24.5	25.4	0.9	61.7	141.9	15.3	55.1	10.5	2.3	8.8	1.4	7.7	1.5	4.3	0.6	4.2	0.6	45.7	361.6	Lower Sapolite		
RRMDD610	25.4	26.3	0.9	65.0	145.6	16.3	57.9	11.2	2.3	9.0	1.3	7.3	1.4	4.1	0.6	4.1	0.6	44.2	370.8	Lower Sapolite	21.4	454
RRMDD610	26.3	27.2	0.9	63.9	145.0	15.9	57.5	11.0	2.4	9.1	1.4	7.1	1.4	3.7	0.5	3.6	0.5	38.1	361.1	Saprock		
RRMDD610	27.2	28.2	0.9	64.4	144.3	15.5	55.1	10.4	2.2	8.9	1.3	6.9	1.4	3.8	0.5	3.6	0.5	40.9	359.6	Saprock		
RRMDD610	28.2	29.1	0.9	76.5	178.1	18.5	65.6	11.9	2.2	9.9	1.5	8.3	1.7	4.8	0.7	4.3	0.7	50.8	435.4	Saprock		
RRMDD610	29.1	30.0	0.9	68.0	152.3	16.3	58.4	10.8	2.1	8.9	1.3	7.4	1.4	3.9	0.6	4.0	0.6	42.3	378.3	Saprock		
RRMDD610	30.0	30.7	0.7	61.5	135.7	14.7	51.9	10.2	2.0	8.1	1.2	6.7	1.4	3.8	0.6	3.8	0.5	42.0	344.1	Saprock		
RRMDD610	30.7	31.4	0.7	80.1	184.3	19.0	67.3	11.9	2.3	10.1	1.4	8.3	1.6	4.5	0.6	4.0	0.6	49.4	445.4	Saprock		
RRMDD611	0.0	1.9	1.9	103.9	233.4	20.3	66.6	11.4	1.9	9.0	1.4	8.2	1.7	4.9	0.7	4.9	0.8	50.5	519.7	Transition		
RRMDD611	1.9	2.9	1.0	124.3	191.6	28.2	94.6	16.8	3.1	13.0	1.8	9.2	1.8	5.1	0.7	5.2	0.7	51.8	547.9	Clay		
RRMDD611	2.9	3.9	1.0	102.0	159.1	26.7	91.7	16.8	3.1	12.7	1.9	9.9	1.8	5.0	0.7	4.8	0.6	50.3	487.3	Clay		
RRMDD611	3.9	4.8	1.0	73.8	154.2	21.4	80.7	15.7	3.1	13.4	2.1	11.6	2.1	5.8	0.8	4.7	0.7	56.8	446.9	Clay		
RRMDD611	4.8	5.8	1.0	82.9	182.4	23.1	89.8	18.0	3.7	16.4	2.4	13.7	2.6	6.8	0.9	5.8	0.8	69.8	519.1	Clay		
RRMDD611	5.8	6.8	1.0	68.7	152.9	17.9	66.6	13.8	2.9	12.8	1.9	10.8	2.2	5.9	0.9	5.3	0.7	63.4	426.8	Clay		
RRMDD611	6.8	7.8	1.0	68.4	156.0	17.1	63.1	12.4	2.5	10.3	1.6	9.3	1.9	5.2	0.8	5.2	0.7	54.7	409.2	Clay		
RRMDD611	7.8	8.8	1.0	60.0	135.7	14.8	54.2	10.5	2.2	8.2	1.3	7.4	1.5	4.3	0.7	4.6	0.7	47.9	354.2	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD611	8.8	9.8	1.0	75.5	164.0	18.2	65.2	12.2	2.3	8.8	1.4	8.2	1.6	4.5	0.7	4.4	0.7	51.9	419.7	Clay	13.5	450
RRMDD611	9.8	10.7	0.9	79.3	170.7	19.0	70.2	13.1	2.5	10.1	1.6	9.1	1.8	5.6	0.8	5.2	0.8	65.5	455.5	Upper Saprolite		
RRMDD611	10.7	11.6	0.9	77.3	168.9	18.4	65.6	11.8	2.3	9.4	1.5	9.4	1.9	5.4	0.8	5.3	0.8	61.3	440.1	Upper Saprolite		
RRMDD611	11.6	12.6	0.9	92.2	212.5	21.9	78.3	14.0	2.6	10.2	1.5	8.3	1.7	4.3	0.7	4.2	0.6	49.1	502.1	Lower Saprolite		
RRMDD611	12.6	13.5	0.9	78.6	177.5	18.7	68.5	12.5	2.3	9.4	1.4	8.3	1.6	4.6	0.7	4.5	0.7	49.0	438.4	Lower Saprolite		
RRMDD611	13.5	14.4	0.9	94.1	220.5	22.0	79.1	14.3	2.7	10.9	1.6	9.5	1.9	5.1	0.7	4.7	0.7	53.0	520.7	Lower Saprolite		
RRMDD611	14.4	15.4	0.9	63.3	139.4	14.9	55.3	10.4	2.1	7.8	1.1	6.3	1.2	3.5	0.5	3.3	0.5	35.3	344.9	Lower Saprolite		
RRMDD611	15.4	16.4	1.1	67.6	151.1	16.0	57.5	10.7	2.2	8.8	1.4	7.8	1.5	4.3	0.7	4.1	0.6	44.8	379.0	Saprock		
RRMDD611	16.4	17.5	1.0	59.9	132.7	14.4	53.1	10.1	1.9	7.3	1.1	6.5	1.3	3.2	0.5	3.4	0.5	35.4	331.3	Saprock		
RRMDD611	17.5	18.5	1.1	70.3	162.1	16.5	59.4	10.5	2.0	8.6	1.3	7.5	1.5	4.2	0.6	3.9	0.6	47.2	396.2	Saprock		
RRMDD612	0.0	2.0	2.0	147.8	168.3	29.8	98.6	18.0	2.9	15.0	2.4	14.0	3.0	8.3	1.3	8.1	1.2	89.4	608.1	Soil	11.8	489
RRMDD612	2.0	4.0	2.0	127.8	410.3	24.6	80.1	14.4	2.3	11.2	1.9	11.3	2.4	6.7	1.1	6.8	1.0	63.1	765.1	Hardcap		
RRMDD612	4.0	6.0	2.0	110.1	350.1	22.0	73.2	12.2	2.2	9.9	1.6	9.8	2.0	5.6	0.9	6.0	0.8	53.0	659.4	Hardcap		
RRMDD612	6.0	8.0	2.0	110.4	238.9	21.3	67.9	11.3	2.1	9.9	1.6	10.0	2.0	5.9	0.9	6.2	0.9	53.8	543.2	Hardcap		
RRMDD612	8.0	8.9	0.9	140.7	232.2	27.7	90.0	15.9	2.6	12.3	2.1	12.7	2.5	7.2	1.2	7.3	1.1	70.2	625.6	Transition		
RRMDD612	8.9	10.2	1.3	126.7	191.0	28.8	97.4	17.3	3.0	13.4	2.2	12.9	2.5	7.3	1.2	7.4	1.1	68.6	580.8	Clay		
RRMDD612	10.2	10.8	0.6	98.3	219.3	27.1	114.1	24.1	4.9	24.4	3.9	24.2	5.2	14.5	2.2	13.4	1.9	156.2	733.7	Clay		
RRMDD612	10.8	11.4	0.6	106.0	236.5	30.2	125.4	23.3	4.5	23.3	3.6	23.1	5.3	15.6	2.3	13.8	2.1	206.4	821.2	Clay		
RRMDD612	11.4	12.3	0.9	98.5	225.4	24.8	91.9	15.9	3.0	13.3	2.0	12.1	2.7	7.7	1.1	6.5	1.0	136.5	642.5	Clay		
RRMDD612	12.3	13.3	0.9	94.4	224.8	22.9	84.0	15.4	3.0	11.9	1.8	10.0	2.1	5.5	0.9	5.4	0.8	61.6	544.4	Clay		
RRMDD612	13.3	14.3	1.0	59.1	138.2	14.7	53.7	10.1	2.1	7.6	1.1	6.3	1.2	3.4	0.6	3.4	0.5	34.8	336.8	Clay		
RRMDD612	14.3	15.3	1.0	70.1	159.1	17.0	62.4	11.8	2.5	9.1	1.4	8.3	1.7	4.6	0.7	4.3	0.7	48.8	402.4	Clay		
RRMDD612	15.3	16.3	0.9	67.9	149.3	16.6	60.8	11.0	2.2	8.3	1.2	7.3	1.4	4.0	0.6	4.0	0.6	42.9	378.1	Upper Saprolite		
RRMDD612	16.3	17.2	0.9	75.5	168.3	18.7	68.6	12.8	2.8	9.9	1.5	8.2	1.6	4.4	0.6	4.2	0.6	46.1	423.8	Upper Saprolite		
RRMDD612	17.2	18.1	0.9	71.5	159.7	17.3	63.2	11.8	2.3	9.0	1.3	7.7	1.4	3.9	0.6	3.7	0.6	41.0	395.2	Upper Saprolite		
RRMDD612	18.1	19.0	0.9	74.2	162.1	17.7	64.2	11.7	2.2	9.0	1.3	7.9	1.6	4.5	0.7	4.6	0.7	49.7	412.2	Lower Saprolite		
RRMDD612	19.0	19.8	0.9	85.5	187.3	20.5	73.5	13.4	2.4	9.8	1.4	8.2	1.6	4.2	0.6	4.0	0.6	45.2	458.3	Lower Saprolite		
RRMDD612	19.8	20.7	0.9	73.2	160.9	17.4	62.2	11.7	2.2	8.7	1.3	7.5	1.4	3.9	0.6	3.7	0.6	40.9	396.1	Lower Saprolite		
RRMDD612	20.7	21.5	0.8	66.0	143.7	15.8	57.4	10.6	2.1	8.1	1.2	7.2	1.5	4.2	0.6	4.0	0.6	43.6	366.5	Saprock		
RRMDD612	21.5	22.4	0.9	86.3	190.4	20.2	73.0	13.1	2.4	9.4	1.3	7.7	1.5	4.0	0.6	3.8	0.6	43.4	457.7	Saprock		
RRMDD612	22.4	23.5	1.1	91.4	206.4	21.0	74.4	12.8	2.5	9.9	1.4	7.9	1.5	4.2	0.6	3.9	0.6	47.9	486.3	Saprock		
RRMDD612	23.5	24.6	1.1	88.9	208.2	20.6	72.7	12.2	2.3	9.4	1.4	7.4	1.4	3.9	0.6	3.5	0.6	43.8	476.9	Saprock		
RRMDD613	0.0	1.6	1.6	114.0	405.4	20.6	65.4	10.0	1.7	7.6	1.2	7.2	1.4	4.4	0.7	4.6	0.6	41.9	686.8	Hardcap	11.8	489
RRMDD613	1.6	3.2	1.6	133.1	507.3	25.5	82.7	12.6	2.1	9.7	1.6	8.9	1.8	5.2	0.8	5.4	0.8	51.2	848.8	Hardcap		
RRMDD613	3.2	4.3	1.0	78.2	182.4	17.0	57.9	9.7	1.8	8.0	1.2	6.9	1.5	4.2	0.6	4.1	0.6	42.5	416.8	Transition		
RRMDD613	4.3	5.2	0.9	106.5	191.6	25.4	87.5	14.3	2.7	11.6	1.7	9.3	1.8	5.1	0.8	4.7	0.7	54.0	517.6	Clay		
RRMDD613	5.2	6.1	0.9	93.0	184.3	24.2	87.9	15.9	3.0	13.0	1.9	9.7	1.8	5.0	0.7	4.5	0.7	55.4	500.9	Clay		
RRMDD613	6.1	7.1	1.0	103.8	243.8	27.9	105.6	19.9	4.1	18.0	2.8	15.2	3.0	7.4	1.0	5.9	0.8	81.8	640.8	Clay		
RRMDD613	7.1	8.0	1.0	44.2	107.5	11.1	42.0	8.3	1.8	7.4	1.2	6.6	1.4	4.1	0.7	4.1	0.6	46.1	287.1	Clay		
RRMDD613	8.0	9.0	1.0	44.6	103.8	11.7	43.0	8.9	1.9	7.7	1.2	6.5	1.4	4.0	0.6	4.0	0.6	46.6	286.6	Clay		
RRMDD613	9.0	10.0	1.0	63.1	141.9	15.9	57.4	11.0	2.3	9.1	1.4	7.6	1.6	4.7	0.7	4.6	0.7	55.5	377.6	Clay		
RRMDD613	10.0	11.0	1.0	67.7	152.9	17.2	63.2	11.9	2.6	10.1	1.6	9.2	1.9	5.3	0.8	5.0	0.8	66.9	417.2	Clay		
RRMDD613	11.0	12.0	1.0	65.4	145.0	16.1	58.6	10.8	2.3	8.8	1.3	7.2	1.5	4.2	0.6	3.9	0.6	48.8	375.0	Clay		
RRMDD613	12.0	13.0	0.9	67.6	151.1	16.9	60.3	11.0	2.5	9.6	1.6	8.2	1.6	4.5	0.7	4.1	0.7	50.5	390.9	Clay		
RRMDD613	13.0	13.9	1.0	64.7	145.6	16.2	58.7	11.3	2.4	9.1	1.4	7.5	1.5	4.3	0.6	4.1	0.6	50.0	378.1	Upper Saprolite		
RRMDD613	13.9	14.9	0.9	68.0	151.1	16.9	60.9	11.9	2.4	9.8	1.5	7.8	1.6	4.5	0.7	4.3	0.6	51.0	393.0	Upper Saprolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD613	14.9	15.8	1.0	61.6	140.7	15.6	57.7	10.9	2.3	8.8	1.4	7.1	1.4	3.9	0.6	3.7	0.6	43.7	360.0	Upper Saprolite		
RRMDD613	15.8	16.7	0.9	72.9	164.0	18.0	64.5	11.9	2.5	10.2	1.6	8.2	1.6	4.4	0.7	4.0	0.6	51.0	416.1	Upper Saprolite		
RRMDD613	16.7	17.5	0.9	90.3	198.4	22.0	78.0	14.0	2.7	11.4	1.7	9.1	1.8	5.1	0.8	4.5	0.7	57.5	497.9	Upper Saprolite		
RRMDD613	17.5	18.4	0.9	77.9	170.1	18.6	65.8	12.1	2.2	9.5	1.4	7.5	1.5	4.1	0.6	3.7	0.5	45.1	420.6	Upper Saprolite		
RRMDD613	18.4	19.1	0.7	68.8	151.7	16.7	60.1	11.0	2.3	9.0	1.3	7.2	1.5	3.9	0.6	3.8	0.5	45.6	384.1	Lower Saprolite		
RRMDD613	19.1	20.1	1.0	63.8	138.8	15.4	55.5	10.1	2.1	8.3	1.3	7.0	1.4	4.1	0.6	3.8	0.6	45.7	358.6	Lower Saprolite	15.9	411
RRMDD613	20.1	21.2	1.0	87.5	191.0	20.7	72.8	13.3	2.4	10.9	1.5	8.2	1.6	4.5	0.6	4.0	0.6	51.3	470.9	Saprock		
RRMDD613	21.2	22.2	1.0	70.0	155.4	16.6	58.6	10.5	2.0	8.2	1.3	6.8	1.4	4.0	0.6	3.5	0.5	42.9	382.2	Saprock		
RRMDD613	22.2	23.1	0.9	80.6	183.0	19.1	67.4	11.6	2.1	9.2	1.4	7.3	1.5	4.0	0.6	3.5	0.5	44.6	436.4	Saprock		
RRMDD613	23.1	24.0	0.9	70.6	156.6	16.7	60.1	11.3	2.1	8.7	1.3	7.1	1.4	3.9	0.6	3.4	0.5	44.3	388.7	Saprock		
RRMDD613	24.0	24.9	0.9	64.0	144.3	15.6	55.5	10.3	2.0	8.3	1.3	6.7	1.3	3.7	0.5	3.4	0.5	41.1	358.8	Saprock		
RRMDD613	24.9	25.8	0.9	61.5	138.8	14.8	53.7	9.9	2.0	8.3	1.2	6.7	1.4	3.9	0.6	3.9	0.6	43.9	351.2	Saprock		
RRMDD613	25.8	26.7	0.9	59.3	131.4	14.3	51.7	9.2	1.9	7.7	1.2	6.3	1.3	3.4	0.5	3.2	0.5	38.6	330.6	Saprock		
RRMDD613	26.7	27.6	0.9	69.2	153.6	16.6	58.1	10.9	2.2	8.8	1.3	7.3	1.4	3.7	0.5	3.6	0.5	40.8	378.5	Saprock		
RRMDD613	27.6	28.5	0.9	65.0	141.9	15.7	55.1	9.9	2.0	8.1	1.2	6.7	1.3	3.5	0.5	3.7	0.5	40.3	355.4	Saprock		
RRMDD613	28.5	29.4	0.9	62.3	137.0	14.9	51.9	9.3	1.9	7.8	1.2	7.1	1.5	4.3	0.6	4.0	0.6	47.9	352.3	Saprock		
RRMDD614	0.0	2.0	2.0	98.9	307.1	18.4	61.4	10.1	1.8	8.9	1.5	8.7	1.8	5.1	0.8	5.4	0.8	53.2	583.7	Hardcap		
RRMDD614	2.0	4.0	2.0	150.1	500.0	28.9	93.0	14.8	2.7	12.0	1.9	11.4	2.3	6.6	1.0	6.8	0.9	66.0	898.3	Transition		
RRMDD614	4.0	4.9	1.0	273.3	406.6	62.8	221.6	38.4	6.4	27.8	4.0	21.5	4.0	10.5	1.5	10.1	1.3	119.8	1209.6	Clay		
RRMDD614	4.9	5.8	0.9	225.2	345.2	55.6	193.6	35.4	6.1	26.3	3.8	20.3	3.7	9.7	1.3	8.2	1.2	108.6	1044.2	Clay		
RRMDD614	5.8	6.7	0.9	146.6	266.6	40.8	147.0	27.4	5.0	22.0	3.3	17.4	3.3	8.3	1.1	6.9	1.0	94.6	791.3	Clay		
RRMDD614	6.7	7.6	0.9	119.6	249.4	36.0	134.1	25.2	4.8	22.0	3.4	18.1	3.5	8.7	1.2	7.0	1.0	94.2	728.2	Clay		
RRMDD614	7.6	8.4	0.9	94.3	198.4	25.4	90.9	17.6	3.6	16.1	2.5	14.3	2.8	7.4	1.0	6.4	1.0	82.4	564.2	Clay		
RRMDD614	8.4	9.3	0.9	79.4	177.5	22.1	83.6	15.7	3.3	15.0	2.4	13.7	2.9	7.3	1.0	6.2	0.9	79.9	510.8	Clay		
RRMDD614	9.3	10.2	0.9	88.9	196.5	21.4	74.4	14.6	3.3	14.6	2.3	14.1	3.1	8.8	1.2	7.2	1.0	101.0	552.5	Clay		
RRMDD614	10.2	11.0	0.9	84.7	192.2	20.5	69.6	13.1	2.8	12.6	2.0	12.0	2.8	8.5	1.3	7.8	1.1	109.3	540.4	Clay		
RRMDD614	11.0	12.0	0.9	73.3	166.4	17.7	60.9	11.8	2.6	10.4	1.7	10.2	2.5	8.6	1.3	8.7	1.5	124.5	502.1	Clay		
RRMDD614	12.0	12.9	0.9	80.7	181.8	19.9	68.6	13.3	3.0	11.3	1.7	10.0	2.3	6.7	1.1	6.6	1.1	104.1	512.2	Clay		
RRMDD614	12.9	13.8	0.9	73.9	167.7	18.6	63.7	12.1	2.6	9.9	1.4	8.1	1.8	5.1	0.7	4.6	0.8	72.0	443.0	Clay		
RRMDD614	13.8	14.7	0.9	57.5	132.1	14.3	48.3	9.4	2.1	8.5	1.4	7.9	1.7	4.8	0.7	4.5	0.7	51.8	345.5	Upper Saprolite		
RRMDD614	14.7	15.7	0.9	52.3	116.1	13.0	44.6	8.9	2.0	7.9	1.2	7.0	1.5	4.1	0.6	3.8	0.6	43.0	306.4	Upper Saprolite		
RRMDD614	15.7	16.5	0.9	87.0	210.7	20.7	70.1	13.2	2.6	10.3	1.5	8.2	1.7	4.5	0.7	4.2	0.6	50.9	486.9	Lower Saprolite		
RRMDD614	16.5	17.4	0.9	77.5	178.7	19.0	64.6	12.3	2.6	9.8	1.5	8.3	1.7	4.4	0.7	3.9	0.6	50.4	436.1	Lower Saprolite		
RRMDD614	17.4	18.2	0.8	71.7	165.8	17.3	60.0	10.9	2.4	9.1	1.4	7.6	1.5	4.2	0.6	3.8	0.6	45.1	401.9	Lower Saprolite		
RRMDD614	18.2	19.1	0.9	79.0	181.2	19.1	64.4	12.0	2.6	9.8	1.5	8.0	1.6	4.3	0.6	3.9	0.6	50.4	439.1	Lower Saprolite		
RRMDD614	19.1	20.1	1.0	69.0	154.8	16.9	58.1	11.1	2.4	9.2	1.4	8.1	1.6	4.5	0.7	4.0	0.6	47.7	390.1	Lower Saprolite		
RRMDD614	20.1	21.0	1.0	81.0	187.3	19.4	65.9	12.5	2.5	9.5	1.4	8.4	1.7	4.6	0.7	4.1	0.6	49.9	449.6	Lower Saprolite		
RRMDD614	21.0	22.0	1.0	83.3	195.3	19.9	67.5	12.2	2.4	9.6	1.5	8.4	1.7	4.7	0.7	4.3	0.7	52.4	464.6	Lower Saprolite		
RRMDD614	22.0	23.0	1.0	90.8	218.0	21.2	71.7	12.5	2.4	9.9	1.5	8.0	1.6	4.2	0.6	3.7	0.6	47.6	494.4	Lower Saprolite	19.0	553
RRMDD614	23.0	23.6	0.6	70.5	161.5	17.3	58.4	11.3	2.3	9.1	1.4	7.4	1.5	4.0	0.6	3.5	0.5	44.6	393.9	Saprock		
RRMDD615	0.0	1.7	1.7	115.5	517.2	19.9	64.0	10.2	1.8	8.4	1.4	8.1	1.7	4.8	0.7	5.2	0.8	47.1	806.9	Hardcap		
RRMDD615	1.7	3.3	1.7	140.7	668.2	22.7	69.3	10.8	1.9	8.4	1.4	8.0	1.6	4.7	0.8	5.4	0.7	40.4	985.0	Hardcap		
RRMDD615	3.3	5.0	1.7	240.4	713.7	37.1	104.4	14.8	2.4	10.4	1.7	9.9	1.9	5.5	0.8	6.0	0.8	48.1	1198.0	Hardcap		
RRMDD615	5.0	6.7	1.7	139.6	441.0	28.8	94.0	14.6	2.5	11.1	1.7	9.8	2.0	5.7	0.9	6.0	0.8	54.7	813.0	Transition		
RRMDD615	6.7	7.6	0.9	162.4	254.3	39.0	135.3	24.4	4.1	17.1	2.6	13.2	2.5	6.6	0.9	6.0	0.9	73.0	742.3	Clay		
RRMDD615	7.6	8.5	0.9	140.7	238.3	36.4	129.5	25.4	4.5	20.3	3.0	16.3	3.2	8.3	1.2	7.3	1.1	92.7	728.2	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD615	8.5	9.3	0.8	118.5	241.4	34.4	126.0	25.5	5.0	22.3	3.3	18.1	3.4	8.7	1.2	7.1	1.0	97.5	713.5	Clay	14.1	544
RRMDD615	9.3	10.1	0.8	84.8	181.8	23.7	89.1	18.1	3.7	16.5	2.6	15.0	3.0	7.9	1.1	6.7	1.0	85.3	540.4	Clay		
RRMDD615	10.1	10.9	0.8	107.7	230.9	28.3	101.7	19.6	3.9	18.2	2.8	16.2	3.2	8.6	1.1	6.9	1.0	90.3	640.3	Clay		
RRMDD615	10.9	11.6	0.8	60.2	125.3	14.5	48.5	9.3	1.9	8.7	1.4	8.5	1.9	5.5	0.8	5.4	0.8	62.4	355.1	Clay		
RRMDD615	11.6	12.6	1.0	104.1	244.5	25.9	90.4	17.3	3.6	16.7	2.8	16.0	3.5	9.5	1.3	7.7	1.1	109.0	653.2	Clay		
RRMDD615	12.6	13.6	1.0	95.3	232.2	22.8	80.8	14.8	2.8	11.1	1.8	9.3	2.0	6.1	0.9	5.6	0.9	74.9	561.2	Clay		
RRMDD615	13.6	14.6	1.0	80.7	186.7	19.7	72.2	13.3	2.6	10.2	1.6	9.3	2.1	6.9	1.1	6.7	1.1	92.6	506.8	Clay		
RRMDD615	14.6	15.6	1.0	107.0	267.8	26.1	93.7	16.6	2.9	12.3	2.0	10.4	2.2	6.9	1.0	6.0	0.9	102.4	658.0	Clay		
RRMDD615	15.6	16.6	1.0	74.4	169.5	18.4	64.4	11.6	2.2	8.2	1.3	6.8	1.4	4.1	0.6	3.8	0.6	49.7	416.8	Lower Saprolite		
RRMDD615	16.6	17.6	1.0	74.0	172.0	18.0	65.3	12.2	2.3	8.9	1.4	7.8	1.6	4.6	0.7	4.3	0.6	50.8	424.6	Lower Saprolite		
RRMDD615	17.6	18.6	1.0	76.7	174.4	18.7	66.8	12.2	2.3	8.9	1.3	6.9	1.3	3.8	0.6	3.5	0.5	41.5	419.6	Lower Saprolite		
RRMDD615	18.6	19.3	0.7	75.5	175.7	19.0	70.2	13.3	2.6	10.2	1.5	8.2	1.7	4.8	0.7	4.1	0.6	54.7	442.8	Lower Saprolite		
RRMDD615	19.3	20.0	0.7	89.8	206.4	21.7	77.0	13.7	2.5	9.9	1.5	7.9	1.5	4.4	0.6	3.9	0.6	49.1	490.4	Lower Saprolite		
RRMDD615	20.0	20.8	0.7	68.7	154.8	17.0	60.7	11.5	2.2	8.2	1.3	6.7	1.3	3.7	0.5	3.5	0.5	39.6	380.4	Lower Saprolite		
RRMDD615	20.8	21.5	0.7	85.4	195.3	20.6	74.5	13.4	2.5	9.7	1.5	7.6	1.4	4.2	0.6	3.6	0.5	46.6	467.5	Saprock		
RRMDD615	21.5	22.2	0.7	87.5	202.7	20.8	74.1	13.3	2.5	9.7	1.5	7.9	1.6	4.6	0.7	4.0	0.6	51.6	483.1	Saprock		
RRMDD615	22.2	23.1	0.9	75.3	178.1	18.4	64.7	11.9	2.2	8.6	1.3	7.2	1.4	4.2	0.6	3.9	0.6	46.1	424.5	Saprock		
RRMDD615	23.1	24.0	0.9	99.1	241.4	22.9	81.6	13.7	2.5	10.6	1.5	8.6	1.6	4.3	0.6	4.0	0.6	49.5	542.7	Saprock		
RRMDD615	24.0	24.9	0.9	100.9	253.1	23.9	82.9	14.7	2.5	10.8	1.6	8.0	1.5	4.4	0.6	3.5	0.5	46.2	555.1	Saprock		
RRMDD615	24.9	25.9	1.0	71.8	167.1	17.5	62.3	11.2	2.1	8.2	1.3	6.8	1.3	3.9	0.6	3.6	0.6	44.3	402.5	Saprock		
RRMDD615	25.9	26.9	1.0	84.8	196.5	20.2	72.2	12.9	2.3	9.2	1.4	7.4	1.5	4.2	0.6	3.7	0.5	45.1	462.4	Saprock		
RRMDD616	0.0	1.7	1.7	104.8	248.1	19.7	64.2	10.2	1.8	7.7	1.3	7.4	1.5	4.4	0.7	4.9	0.7	44.2	521.5	Transition		
RRMDD616	1.7	2.1	0.4	125.5	229.1	25.1	82.6	12.5	2.2	10.2	1.5	8.7	1.8	5.2	0.8	5.2	0.8	56.0	567.1	Clay		
RRMDD616	2.1	3.0	0.9	86.3	164.6	23.1	80.9	14.2	2.5	9.8	1.5	8.0	1.5	4.5	0.7	4.3	0.6	47.9	450.5	Clay		
RRMDD616	3.0	3.8	0.8	164.8	278.8	39.9	133.6	21.6	3.6	14.2	2.2	11.4	2.1	6.1	0.9	5.3	0.8	65.1	750.3	Clay		
RRMDD616	3.8	4.7	0.9	114.8	255.5	31.3	117.8	22.4	4.0	17.2	2.7	14.0	2.4	6.5	0.8	5.1	0.7	68.2	663.5	Pallid		
RRMDD616	4.7	5.6	0.9	90.5	199.6	22.9	84.2	16.5	3.0	13.0	2.0	10.7	2.1	5.8	0.8	5.0	0.7	63.0	519.8	Pallid		
RRMDD616	5.6	6.5	0.9	76.0	169.5	19.1	69.2	13.0	2.6	9.8	1.5	8.0	1.7	5.0	0.7	4.9	0.7	56.4	438.2	Clay		
RRMDD616	6.5	7.4	0.9	92.2	221.7	23.0	83.9	15.3	2.9	12.0	1.9	10.6	2.2	6.6	0.9	6.0	0.9	76.4	556.6	Clay		
RRMDD616	7.4	8.3	0.9	85.8	193.5	21.0	74.3	14.1	2.7	10.4	1.6	8.7	1.8	5.6	0.9	5.7	0.9	74.3	501.4	Clay		
RRMDD616	8.3	9.2	0.9	101.3	245.7	24.4	87.1	15.7	2.9	11.5	1.8	9.6	2.0	6.1	0.9	5.4	0.9	77.6	592.9	Clay		
RRMDD616	9.2	10.2	1.0	85.8	203.3	20.7	73.7	12.9	2.4	9.4	1.5	7.7	1.6	4.7	0.7	4.4	0.7	53.7	483.1	Clay		
RRMDD616	10.2	11.1	0.9	98.7	238.3	23.0	82.9	14.1	2.8	10.9	1.6	8.5	1.5	4.0	0.6	3.7	0.6	46.4	537.5	Clay		
RRMDD616	11.1	12.1	0.9	77.4	176.9	18.9	67.1	12.3	2.3	8.9	1.3	7.0	1.4	3.9	0.6	3.8	0.6	44.2	426.6	Clay		
RRMDD616	12.1	13.0	0.9	82.8	193.5	19.9	71.4	13.3	2.4	10.1	1.5	8.4	1.7	5.0	0.8	4.6	0.7	53.5	469.4	Clay		
RRMDD616	13.0	13.9	0.9	114.0	293.6	27.3	93.2	15.9	2.8	12.2	1.8	9.4	1.8	4.8	0.7	4.2	0.6	55.0	637.3	Upper Saprolite		
RRMDD616	13.9	14.9	0.9	96.1	235.9	23.1	80.6	14.6	2.7	11.1	1.6	8.3	1.6	4.2	0.6	3.9	0.6	50.0	534.8	Upper Saprolite		
RRMDD616	14.9	15.8	0.9	83.6	193.5	20.2	72.1	13.5	2.7	10.8	1.6	9.2	2.0	5.6	0.8	5.2	0.8	63.9	485.4	Upper Saprolite		
RRMDD616	15.8	16.5	0.7	64.2	147.4	16.3	57.0	10.6	2.3	8.5	1.2	7.1	1.4	4.1	0.6	3.8	0.6	43.3	368.4	Lower Saprolite		
RRMDD616	16.5	17.2	0.7	87.3	207.6	21.1	73.8	13.2	2.7	10.6	1.5	8.4	1.7	4.7	0.7	4.1	0.6	54.4	492.3	Lower Saprolite		
RRMDD616	17.2	18.0	0.8	78.9	181.2	18.5	64.5	11.5	2.2	8.9	1.3	7.2	1.5	4.3	0.6	4.0	0.6	47.9	433.1	Lower Saprolite		
RRMDD616	18.0	18.8	0.8	77.5	184.3	19.0	65.9	11.7	2.3	9.2	1.3	6.9	1.3	3.5	0.5	3.3	0.5	41.1	428.2	Saprock		
RRMDD616	18.8	19.7	0.8	80.7	190.4	19.5	67.1	12.1	2.2	9.0	1.3	7.2	1.5	4.2	0.6	4.0	0.6	47.0	447.3	Saprock		
RRMDD616	19.7	20.5	0.8	90.4	226.0	21.8	75.1	13.1	2.2	9.7	1.5	7.8	1.5	4.3	0.6	3.9	0.6	48.6	507.2	Saprock		
RRMDD617	0.0	1.8	1.8	81.7	500.0	15.2	48.9	7.9	1.4	6.3	1.0	6.3	1.2	3.8	0.6	3.9	0.6	35.7	714.4	Hardcap		
RRMDD617	1.8	3.5	1.8	101.1	571.2	18.2	58.3	9.5	1.6	7.5	1.2	7.4	1.5	4.5	0.7	4.8	0.7	43.4	831.7	Hardcap		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD617	3.5	5.3	1.8	107.9	503.6	20.8	68.4	11.4	2.1	8.8	1.5	9.1	1.8	5.3	0.8	5.6	0.8	49.7	797.6	Hardcap		
RRMDD617	5.3	7.0	1.8	123.1	560.2	23.4	79.8	15.7	2.6	11.9	2.0	11.8	2.3	7.0	1.1	7.0	1.1	59.3	908.2	Hardcap		
RRMDD617	7.0	7.9	0.9	112.2	259.2	31.4	123.6	23.3	4.3	20.7	3.1	16.8	3.3	9.0	1.2	7.9	1.1	91.8	709.1	Clay		
RRMDD617	7.9	8.8	0.9	97.1	208.2	28.6	117.8	23.0	4.5	22.1	3.4	18.9	3.7	10.4	1.4	8.9	1.2	106.5	655.8	Clay		
RRMDD617	8.8	9.7	0.9	98.6	228.5	27.8	112.7	21.8	4.2	22.0	3.4	18.5	3.6	9.9	1.3	8.3	1.0	100.7	662.4	Clay		
RRMDD617	9.7	10.1	0.4	73.8	168.9	19.2	75.7	14.6	2.9	15.0	2.4	13.2	2.8	8.2	1.1	7.1	1.0	86.4	492.2	Clay		
RRMDD617	10.1	10.9	0.9	82.2	187.3	21.3	83.3	15.8	3.3	16.8	2.6	14.7	3.1	9.0	1.2	7.8	1.0	93.0	542.5	Clay		
RRMDD617	10.9	11.8	0.9	66.0	148.0	16.9	63.8	11.8	2.5	12.0	2.0	11.7	2.6	7.7	1.1	7.2	0.9	76.8	431.1	Clay		
RRMDD617	11.8	12.8	1.0	81.3	187.9	20.4	76.3	14.1	2.9	13.8	2.1	12.6	3.0	8.9	1.2	8.1	1.1	96.6	530.3	Clay		
RRMDD617	12.8	13.7	1.0	87.4	199.6	21.0	76.5	13.7	2.8	12.4	2.0	10.7	2.5	7.3	1.1	7.2	1.0	86.6	531.7	Clay		
RRMDD617	13.7	14.7	1.0	85.5	197.8	20.1	72.0	12.8	2.5	10.8	1.6	8.8	1.9	6.1	0.9	6.2	0.8	69.5	497.2	Clay		
RRMDD617	14.7	15.6	1.0	98.3	242.6	24.4	88.5	15.4	3.0	12.8	1.9	10.0	2.1	6.2	0.9	5.9	0.8	70.5	583.2	Clay		
RRMDD617	15.6	16.6	1.0	97.0	244.5	23.9	88.5	16.2	3.2	14.2	2.1	11.4	2.2	6.2	0.8	5.2	0.7	65.1	581.3	Upper Saprolite		
RRMDD617	16.6	17.4	0.8	86.3	197.2	21.2	75.6	13.2	2.7	10.8	1.6	8.1	1.6	4.4	0.6	4.3	0.6	44.2	472.3	Upper Saprolite		
RRMDD617	17.4	18.3	0.9	65.7	154.8	15.8	57.4	10.6	2.2	8.8	1.3	6.9	1.4	3.9	0.6	4.1	0.5	38.0	372.0	Upper Saprolite		
RRMDD617	18.3	19.1	0.9	93.6	230.9	23.4	87.0	15.7	3.3	14.1	2.2	12.2	2.6	7.5	1.1	7.0	1.0	80.5	581.9	Upper Saprolite		
RRMDD617	19.1	19.9	0.8	65.9	154.2	16.0	58.8	10.5	2.1	8.6	1.2	7.1	1.5	4.3	0.6	4.4	0.6	44.3	380.1	Lower Saprolite		
RRMDD617	19.9	20.9	1.0	84.2	198.4	20.5	75.2	12.9	2.5	10.6	1.6	8.8	1.8	5.2	0.7	4.9	0.7	55.1	483.2	Lower Saprolite	13.9	535
RRMDD617	20.9	21.9	1.0	98.4	250.6	23.7	85.0	15.4	2.8	12.7	1.9	9.5	1.9	5.0	0.7	4.5	0.6	52.6	565.3	Saprock		
RRMDD617	21.9	22.9	1.0	68.0	159.1	16.4	59.5	11.0	2.2	8.9	1.4	7.6	1.6	4.6	0.7	4.6	0.6	46.9	393.1	Saprock		
RRMDD617	22.9	23.8	0.9	71.5	167.1	17.5	63.9	11.4	2.3	9.7	1.4	7.5	1.5	4.3	0.6	4.0	0.5	43.9	407.2	Saprock		
RRMDD617	23.8	24.7	0.9	69.3	160.9	16.9	60.8	10.6	2.2	8.8	1.3	7.0	1.4	3.9	0.6	3.8	0.5	39.5	387.4	Saprock		
RRMDD617	24.7	25.7	0.9	80.7	191.0	19.6	71.3	12.4	2.3	10.1	1.5	7.9	1.5	4.4	0.6	3.8	0.5	45.3	453.1	Saprock		
RRMDD617	25.7	26.6	0.9	74.4	174.4	17.9	66.3	11.8	2.2	9.7	1.5	7.8	1.5	4.4	0.6	4.1	0.6	45.3	422.5	Saprock		
RRMDD617	26.6	27.6	0.9	73.7	170.1	17.8	60.8	10.9	2.3	8.6	1.2	7.2	1.4	3.8	0.6	3.4	0.5	44.4	406.8	Saprock		
RRMDD617	27.6	28.5	0.9	58.9	138.2	14.3	50.3	8.9	1.9	6.9	1.1	6.0	1.2	3.6	0.5	3.3	0.5	40.4	336.0	Saprock		
RRMDD618	0.0	1.6	1.6	90.0	340.3	16.8	53.0	8.7	1.6	6.6	1.1	6.5	1.2	3.6	0.6	4.1	0.6	32.0	566.5	Hardcap		
RRMDD618	1.6	3.2	1.6	103.3	574.9	20.1	64.4	10.6	1.8	7.8	1.3	7.4	1.5	4.4	0.7	4.7	0.7	39.0	842.4	Hardcap		
RRMDD618	3.2	4.4	1.2	133.1	251.8	29.1	98.2	16.4	2.7	12.0	1.8	9.6	1.9	5.5	0.8	5.3	0.8	57.5	626.6	Transition		
RRMDD618	4.4	5.2	0.8	219.3	278.8	61.9	247.3	46.4	8.0	36.4	4.7	23.0	3.9	9.4	1.2	7.1	1.0	105.0	1053.3	Clay		
RRMDD618	5.2	6.1	0.8	113.5	197.2	32.9	124.8	23.5	4.4	20.8	2.9	15.0	2.8	7.2	1.0	5.8	0.9	79.2	632.0	Clay		
RRMDD618	6.1	6.9	0.8	131.4	235.2	42.0	177.3	34.1	6.0	28.1	3.7	19.3	3.7	9.3	1.3	7.5	1.1	106.2	806.1	Clay		
RRMDD618	6.9	7.8	0.8	72.1	148.6	19.0	70.8	14.8	2.9	14.0	2.2	12.9	2.7	8.0	1.2	7.2	1.1	91.4	469.0	Clay		
RRMDD618	7.8	8.7	0.9	72.8	152.9	19.7	76.0	17.6	3.6	18.8	3.1	18.8	4.2	12.5	1.9	11.4	1.7	143.5	558.6	Clay		
RRMDD618	8.7	9.6	0.9	71.9	146.8	20.1	79.5	17.9	3.9	20.8	3.6	23.0	5.4	16.8	2.4	15.3	2.3	205.1	634.8	Clay		
RRMDD618	9.6	10.5	0.8	81.7	168.9	24.9	101.7	20.1	4.0	24.1	3.8	24.1	6.0	17.6	2.5	15.0	2.4	264.1	761.1	Clay		
RRMDD618	10.5	11.3	0.8	49.3	109.2	13.5	51.6	9.9	2.2	9.2	1.4	8.5	2.0	5.8	0.9	5.3	0.8	81.1	350.7	Clay		
RRMDD618	11.3	12.2	0.9	37.1	88.7	9.9	35.9	7.3	1.7	6.2	0.9	5.2	1.1	3.2	0.5	3.1	0.5	34.8	236.0	Clay		
RRMDD618	12.2	13.1	0.9	70.8	157.8	18.1	64.6	12.6	2.5	10.8	1.7	9.6	1.9	5.3	0.8	4.7	0.7	65.4	427.3	Clay		
RRMDD618	13.1	14.0	0.9	75.9	171.4	18.3	64.0	11.9	2.3	9.8	1.4	7.3	1.4	3.7	0.5	3.3	0.5	41.9	413.7	Clay		
RRMDD618	14.0	14.8	0.8	78.3	168.9	17.9	62.8	11.6	2.1	8.3	1.2	6.2	1.1	3.1	0.5	3.1	0.5	31.7	397.2	Upper Saprolite		
RRMDD618	14.8	15.6	0.8	81.4	183.6	19.8	70.0	13.2	2.5	11.2	1.8	10.9	2.3	6.4	0.9	5.6	0.8	77.6	488.1	Upper Saprolite		
RRMDD618	15.6	16.3	0.8	78.1	178.1	19.1	67.8	12.5	2.3	10.5	1.5	8.1	1.6	4.3	0.7	3.9	0.6	50.7	439.8	Upper Saprolite		
RRMDD618	16.3	17.1	0.8	76.7	172.0	18.7	64.9	12.3	2.3	10.0	1.5	8.5	1.8	4.9	0.7	4.4	0.6	55.1	434.2	Lower Saprolite		
RRMDD618	17.1	18.1	0.9	75.4	166.4	18.2	63.7	11.5	2.3	9.3	1.4	8.1	1.6	4.6	0.6	4.2	0.6	53.2	421.3	Lower Saprolite		
RRMDD618	18.1	19.0	0.9	71.3	158.5	17.2	59.6	10.7	2.2	9.0	1.4	7.5	1.6	4.5	0.6	4.0	0.6	48.1	396.7	Lower Saprolite	14.6	524

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD618	19.0	20.0	0.9	76.5	171.4	18.7	64.4	11.7	2.2	8.8	1.3	7.0	1.3	3.8	0.5	3.5	0.5	42.5	414.1	Saprock		
RRMDD618	20.0	20.9	0.9	67.3	154.2	16.7	57.9	10.8	2.1	8.7	1.3	7.6	1.5	4.3	0.7	3.8	0.6	47.4	384.8	Saprock		
RRMDD618	20.9	21.8	0.9	67.6	155.4	16.5	58.3	10.7	2.0	8.2	1.2	6.6	1.3	3.6	0.5	3.5	0.5	40.4	376.4	Saprock		
RRMDD618	21.8	22.8	1.0	61.8	146.2	15.1	55.4	10.3	2.1	9.2	1.4	7.7	1.5	4.7	0.6	4.4	0.6	45.7	366.7	Saprock		
RRMDD618	22.8	23.8	1.0	59.1	136.4	14.1	51.9	9.6	2.0	8.6	1.2	6.7	1.3	4.0	0.6	3.7	0.5	38.1	337.8	Saprock		
RRMDD618	23.8	24.8	1.0	61.1	148.6	15.0	54.0	10.5	2.1	8.7	1.3	7.6	1.5	4.2	0.6	3.8	0.5	44.3	364.0	Saprock		
RRMDD618	24.8	25.8	1.0	57.2	132.7	13.9	50.5	9.7	2.2	9.0	1.4	7.4	1.5	4.2	0.6	4.0	0.6	41.8	336.5	Saprock		
RRMDD618	25.8	26.8	1.0	58.6	136.4	14.6	52.4	9.4	2.1	8.3	1.3	6.9	1.4	4.0	0.6	3.8	0.5	40.6	340.7	Saprock		
RRMDD618	26.8	27.9	1.1	42.2	94.7	10.4	38.1	7.1	1.6	6.3	1.0	5.1	1.0	3.0	0.4	3.0	0.4	30.2	244.7	Saprock		
RRMDD618	27.9	29.0	1.1	38.4	83.4	9.5	34.2	6.3	1.3	5.8	0.9	4.8	1.0	3.1	0.4	3.0	0.4	30.5	222.9	Saprock		
RRMDD619	0.0	1.7	1.7	109.7	216.8	23.1	74.8	12.4	2.2	10.3	1.7	10.1	2.1	5.9	0.9	6.1	0.9	60.2	537.0	Hardcap		
RRMDD619	1.7	3.4	1.7	238.1	420.1	64.0	236.8	40.4	6.7	27.8	3.8	19.1	3.4	8.8	1.2	8.0	1.1	90.0	1169.4	Transition		
RRMDD619	3.4	4.5	1.1	122.0	243.2	29.1	99.0	18.7	3.5	16.1	2.5	13.8	2.7	7.4	1.1	6.8	1.0	79.9	646.8	Clay		
RRMDD619	4.5	5.4	0.9	109.9	232.8	30.2	105.8	21.6	4.1	19.1	2.9	17.1	3.3	8.5	1.2	7.7	1.1	96.5	661.9	Clay		
RRMDD619	5.4	6.3	0.9	126.7	281.3	33.8	117.8	23.4	4.6	21.1	3.2	17.9	3.4	8.6	1.2	7.2	1.0	93.6	744.8	Clay		
RRMDD619	6.3	7.2	0.9	85.6	200.2	21.6	75.0	15.5	3.1	14.5	2.3	14.0	2.9	7.7	1.1	7.0	1.0	85.2	536.9	Clay		
RRMDD619	7.2	8.3	1.0	85.3	197.2	20.4	68.5	13.3	2.7	12.2	1.9	11.4	2.5	7.2	1.1	7.0	1.2	97.5	529.2	Upper Saprolite		
RRMDD619	8.3	9.3	1.0	82.8	189.8	20.2	68.7	13.3	2.6	11.2	1.7	10.4	2.2	6.4	1.0	6.0	1.0	93.8	511.2	Upper Saprolite		
RRMDD619	9.3	9.9	0.7	76.7	175.0	18.2	60.4	11.4	2.4	9.6	1.5	9.0	1.8	5.0	0.8	5.0	0.8	56.8	434.4	Lower Saprolite	6.5	586
RRMDD619	9.9	10.6	0.7	84.9	198.4	20.7	68.1	13.2	2.6	10.4	1.6	8.6	1.6	4.4	0.6	4.0	0.6	48.1	467.8	Saprock		
RRMDD619	10.6	11.3	0.7	73.3	165.2	17.3	61.5	11.7	2.2	8.9	1.3	7.4	1.5	3.9	0.6	3.8	0.6	46.4	405.7	Saprock		
RRMDD619	11.3	12.0	0.7	72.9	165.2	17.2	61.4	11.3	2.1	8.9	1.4	7.4	1.5	4.4	0.7	4.2	0.7	48.1	407.3	Saprock		
RRMDD619	12.0	13.0	1.0	77.9	174.4	18.9	62.4	12.0	2.4	9.6	1.5	8.1	1.6	4.2	0.6	3.9	0.6	46.0	424.0	Saprock		
RRMDD619	13.0	14.1	1.0	67.8	152.9	16.5	55.6	10.7	2.3	8.6	1.3	7.4	1.5	4.0	0.6	3.8	0.6	43.3	377.0	Saprock		
RRMDD619	14.1	15.1	1.0	74.9	168.9	18.0	64.4	11.8	2.5	9.2	1.4	7.8	1.6	4.0	0.6	3.9	0.6	47.6	417.3	Saprock		
RRMDD620	0.0	2.1	2.1	94.4	223.0	19.3	64.3	11.2	1.9	9.6	1.5	9.4	1.9	5.6	0.9	5.9	0.8	58.0	507.9	Hardcap		
RRMDD620	2.1	4.1	2.1	79.0	178.1	14.9	48.4	7.9	1.4	6.7	1.0	6.6	1.3	3.9	0.6	4.4	0.6	37.5	392.5	Hardcap		
RRMDD620	4.1	6.1	2.0	120.2	237.1	21.4	66.5	11.0	2.0	8.8	1.4	8.6	1.7	4.9	0.8	5.4	0.7	46.7	537.3	Hardcap		
RRMDD620	6.1	7.7	1.5	160.1	417.7	35.6	114.5	17.5	3.3	14.2	2.2	12.4	2.4	6.9	1.0	6.9	1.0	70.6	866.2	Transition		
RRMDD620	7.7	8.7	1.0	127.8	276.4	36.2	133.6	24.4	4.8	20.1	3.1	16.9	3.0	7.9	1.1	6.6	0.9	85.0	747.8	Clay		
RRMDD620	8.7	9.7	1.0	97.6	224.8	25.6	98.3	19.2	3.8	17.7	2.7	15.3	3.0	7.7	1.1	6.9	1.0	84.7	609.5	Clay		
RRMDD620	9.7	10.7	1.0	93.0	234.0	24.3	95.1	19.1	3.9	20.1	3.0	18.5	4.0	10.8	1.5	9.5	1.4	122.7	660.9	Clay		
RRMDD620	10.7	11.8	1.0	69.5	157.8	18.0	67.9	12.1	2.4	11.6	1.8	11.4	3.0	9.5	1.5	8.8	1.4	151.1	527.9	Clay		
RRMDD620	11.8	12.7	0.9	80.6	185.5	19.8	70.9	13.5	2.7	10.8	1.6	9.7	2.0	5.8	0.8	5.2	0.8	69.1	478.7	Clay		
RRMDD620	12.7	13.6	0.9	71.0	159.1	17.1	61.0	11.3	2.3	9.1	1.3	7.4	1.5	4.1	0.6	3.8	0.6	48.3	398.4	Upper Saprolite		
RRMDD620	13.6	14.5	0.9	68.5	155.4	16.4	57.9	10.6	2.2	8.7	1.3	7.3	1.5	4.3	0.7	4.1	0.6	48.6	388.0	Upper Saprolite		
RRMDD620	14.5	15.4	0.9	87.3	213.7	20.9	72.7	13.1	2.5	10.0	1.4	7.8	1.6	4.3	0.6	4.0	0.6	49.7	490.2	Lower Saprolite	7.7	544
RRMDD620	15.4	16.3	0.9	79.3	186.1	18.9	66.0	11.8	2.2	9.2	1.3	7.4	1.5	3.7	0.5	3.5	0.5	43.7	435.6	Saprock		
RRMDD620	16.3	17.2	0.9	76.7	177.5	18.4	65.4	11.7	2.3	8.8	1.2	6.9	1.4	3.6	0.5	3.3	0.5	41.9	420.2	Saprock		
RRMDD620	17.2	18.1	0.9	78.7	180.0	18.8	66.3	11.4	2.5	9.0	1.4	7.9	1.6	4.5	0.7	4.2	0.6	49.9	437.5	Saprock		
RRMDD620	18.1	19.0	0.9	76.6	176.9	18.2	65.2	11.8	2.2	9.0	1.3	7.1	1.4	3.7	0.5	3.3	0.5	43.7	421.6	Saprock		
RRMDD620	19.0	19.9	0.9	80.2	184.3	19.2	68.1	12.1	2.3	9.0	1.3	6.9	1.3	3.5	0.5	3.3	0.5	39.4	431.8	Saprock		
RRMDD620	19.9	20.7	0.8	76.1	174.4	18.4	65.0	11.7	2.4	9.0	1.4	7.6	1.5	4.1	0.6	3.8	0.6	45.7	422.1	Saprock		
RRMDD620	20.7	21.6	0.8	68.1	159.1	16.6	58.6	10.8	2.1	8.1	1.2	6.6	1.3	3.7	0.5	3.5	0.5	42.2	382.8	Saprock		
RRMDD620	21.6	22.4	0.8	73.4	171.4	17.4	61.9	11.3	2.3	8.6	1.2	6.9	1.4	3.7	0.5	3.5	0.5	42.4	406.4	Saprock		
RRMDD621	0.0	2.0	2.0	180.6	625.3	31.5	91.8	12.5	2.0	8.7	1.4	8.0	1.5	4.4	0.7	4.7	0.6	40.3	1014.0	Hardcap		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD621	2.0	4.0	2.0	207.0	637.5	42.8	134.1	20.8	3.3	14.7	2.3	12.6	2.4	6.8	1.0	6.8	1.0	64.0	1157.1	Hardcap		
RRMDD621	4.0	6.0	2.0	163.6	523.3	35.4	117.8	19.8	3.2	15.4	2.4	13.3	2.7	7.5	1.1	7.5	1.1	74.8	988.9	Transition		
RRMDD621	6.0	6.7	0.8	152.5	214.4	34.8	121.9	21.5	3.7	16.5	2.4	12.8	2.4	6.4	1.0	6.2	0.9	68.8	666.2	Clay		
RRMDD621	6.7	7.5	0.8	123.1	184.9	31.4	112.1	20.2	3.5	15.4	2.3	12.2	2.3	6.4	0.9	5.7	0.9	64.9	586.2	Clay		
RRMDD621	7.5	8.3	0.8	144.3	282.5	41.3	151.6	27.0	4.7	19.9	2.9	15.0	2.5	6.4	0.8	5.4	0.8	65.1	770.4	Clay		
RRMDD621	8.3	9.2	0.9	101.4	216.2	26.2	95.2	17.0	3.1	14.4	2.3	13.1	2.5	7.3	1.0	6.3	1.0	73.0	580.0	Clay		
RRMDD621	9.2	10.2	1.0	86.9	194.1	21.0	75.3	13.6	2.6	10.8	1.6	9.2	2.1	6.9	1.0	6.1	1.1	124.6	557.0	Clay		
RRMDD621	10.2	11.1	1.0	86.2	192.9	21.7	82.3	15.2	3.1	14.9	2.4	15.6	3.9	12.5	1.8	11.0	1.7	152.4	617.5	Clay		
RRMDD621	11.1	11.9	0.7	97.3	216.8	24.0	87.0	14.8	3.1	13.3	2.1	13.0	3.3	11.1	1.7	10.3	1.8	171.4	671.0	Clay		
RRMDD621	11.9	12.6	0.7	104.1	239.5	25.4	95.6	17.9	3.6	16.7	2.6	16.0	3.5	10.6	1.4	8.5	1.3	120.6	667.5	Upper Saprolite		
RRMDD621	12.6	13.4	0.7	91.6	207.6	22.1	78.7	14.1	2.9	11.0	1.6	9.4	1.8	5.0	0.7	4.3	0.6	62.9	514.6	Upper Saprolite		
RRMDD621	13.4	14.2	0.8	68.0	154.2	16.4	59.4	10.6	2.2	8.3	1.3	7.7	1.6	4.8	0.8	4.4	0.7	54.2	394.7	Upper Saprolite		
RRMDD621	14.2	15.0	0.8	61.2	133.9	14.5	52.1	9.7	2.0	7.9	1.2	7.5	1.6	4.7	0.7	4.2	0.6	51.0	352.9	Lower Saprolite		
RRMDD621	15.0	15.8	0.8	90.4	207.6	21.3	75.7	13.1	2.6	10.3	1.6	8.7	1.7	4.6	0.7	4.0	0.6	50.8	493.7	Lower Saprolite	9.9	571
RRMDD621	15.8	16.8	1.0	86.2	196.5	20.3	71.3	12.2	2.5	9.4	1.5	8.0	1.6	4.8	0.7	4.2	0.6	51.2	471.0	Saprock		
RRMDD621	16.8	17.9	1.1	85.5	200.2	20.5	72.1	12.6	2.4	9.8	1.4	7.9	1.5	4.1	0.6	3.7	0.6	46.2	469.3	Saprock		
RRMDD621	17.9	19.0	1.1	75.3	173.2	17.6	61.5	10.8	2.1	8.6	1.4	7.6	1.6	4.9	0.7	4.3	0.6	51.7	421.8	Saprock		
RRMDD621	19.0	20.1	1.1	98.3	232.8	23.3	81.6	13.9	2.5	10.5	1.6	8.5	1.6	4.4	0.6	3.9	0.6	49.3	533.3	Saprock		
RRMDD621	20.1	21.2	1.1	93.7	213.1	21.7	74.8	12.5	2.3	9.5	1.4	7.9	1.5	4.2	0.6	4.0	0.6	46.0	493.9	Saprock		
RRMDD621	21.2	22.1	0.9	79.3	183.6	19.0	65.9	11.8	2.3	9.2	1.3	7.8	1.5	4.4	0.7	4.1	0.6	49.7	441.1	Saprock		
RRMDD621	22.1	22.9	0.8	88.0	203.3	21.4	75.5	12.8	2.5	10.0	1.5	8.2	1.5	4.0	0.6	3.6	0.6	46.4	479.7	Saprock		
RRMDD622	0.0	1.6	1.6	117.3	155.4	24.4	80.6	14.6	2.5	12.6	2.0	12.3	2.5	7.2	1.1	7.3	1.1	77.2	518.2	Soil		
RRMDD622	1.6	3.2	1.6	97.0	585.9	16.9	51.6	9.1	1.5	7.0	1.2	6.9	1.4	4.3	0.7	4.8	0.7	38.7	827.7	Hardcap		
RRMDD622	3.2	4.8	1.6	86.7	918.8	17.3	55.9	10.2	1.7	7.6	1.3	7.6	1.6	4.5	0.7	4.5	0.7	40.1	1159.1	Hardcap		
RRMDD622	4.8	6.3	1.6	124.3	1437.2	28.0	92.8	16.5	2.8	12.4	2.1	11.6	2.3	6.4	1.0	6.8	0.9	55.5	1800.7	Hardcap		
RRMDD622	6.3	7.6	1.2	177.7	331.7	34.9	110.1	18.7	2.9	13.8	2.0	12.1	2.2	6.6	1.0	6.4	0.9	61.6	782.5	Transition		
RRMDD622	7.6	8.4	0.8	145.4	176.3	35.2	117.2	22.6	3.8	17.6	2.6	14.5	2.6	7.6	1.0	6.9	1.0	74.7	629.0	Clay		
RRMDD622	8.4	9.2	0.8	126.7	165.2	31.8	110.2	22.7	4.0	18.6	2.7	15.4	2.7	7.8	1.1	7.0	1.0	77.2	594.0	Clay		
RRMDD622	9.2	10.2	1.0	108.4	190.4	29.4	114.3	25.5	4.7	24.3	3.7	21.4	3.9	10.9	1.5	9.6	1.3	108.8	658.1	Clay		
RRMDD622	10.2	11.1	1.0	85.7	164.6	24.8	101.6	21.8	4.1	21.8	3.3	20.3	3.9	11.4	1.5	10.0	1.4	119.5	595.8	Clay		
RRMDD622	11.1	12.1	1.0	91.6	189.8	28.5	120.1	25.7	4.9	27.0	4.2	26.2	5.4	16.1	2.2	13.8	1.9	174.6	732.0	Clay		
RRMDD622	12.1	12.9	0.8	93.7	216.8	26.3	96.3	17.3	3.3	17.5	2.7	17.6	4.4	13.0	1.9	11.6	1.8	200.0	724.3	Clay		
RRMDD622	12.9	13.6	0.8	89.1	204.5	21.6	72.3	13.3	2.6	11.1	1.7	10.2	2.2	6.5	1.0	5.9	1.0	104.4	547.4	Clay		
RRMDD622	13.6	14.4	0.8	78.3	175.0	19.2	64.0	12.3	2.5	10.0	1.5	8.6	1.7	4.7	0.7	4.5	0.7	54.2	438.0	Upper Saprolite		
RRMDD622	14.4	15.2	0.8	93.7	223.6	22.2	74.3	13.7	2.7	10.8	1.6	9.1	1.8	4.8	0.7	4.7	0.7	55.0	519.4	Upper Saprolite		
RRMDD622	15.2	16.0	0.8	86.3	207.6	20.3	66.7	12.2	2.3	9.4	1.4	7.8	1.5	4.3	0.6	4.2	0.6	47.4	472.8	Lower Saprolite		
RRMDD622	16.0	16.8	0.8	89.4	211.9	21.2	70.1	12.9	2.5	9.8	1.5	8.2	1.6	4.2	0.6	3.9	0.6	47.7	486.1	Lower Saprolite	9.3	586
RRMDD622	16.8	17.6	0.8	78.0	181.2	18.7	61.1	11.8	2.4	9.0	1.4	7.9	1.5	4.1	0.6	3.9	0.6	45.7	427.9	Saprock		
RRMDD622	17.6	18.6	1.0	83.3	199.0	20.1	66.3	12.3	2.4	9.6	1.4	8.1	1.6	4.2	0.7	4.0	0.6	47.6	461.1	Saprock		
RRMDD622	18.6	19.6	1.0	68.5	156.6	16.6	54.4	10.1	2.0	8.2	1.2	7.0	1.5	3.8	0.6	3.8	0.6	42.5	377.5	Saprock		
RRMDD622	19.6	20.7	1.0	84.4	202.1	20.4	67.0	12.6	2.4	9.5	1.4	7.8	1.5	4.1	0.6	3.9	0.6	46.9	465.2	Saprock		
RRMDD622	20.7	21.6	1.0	73.4	170.1	17.6	58.0	10.7	2.3	8.9	1.3	7.5	1.5	4.2	0.6	3.9	0.6	47.7	408.5	Saprock		
RRMDD622	21.6	22.6	1.0	74.0	170.1	17.9	59.6	11.4	2.2	8.6	1.3	7.3	1.4	3.6	0.5	3.7	0.5	41.3	403.4	Saprock		
RRMDD623	0.0	1.3	1.3	69.5	125.9	13.8	43.3	7.6	1.3	6.1	1.0	6.2	1.2	3.7	0.6	3.9	0.5	34.5	319.0	Hardcap		
RRMDD623	1.3	2.5	1.3	118.5	678.1	22.1	68.9	11.8	1.9	8.7	1.5	8.1	1.6	4.6	0.7	5.0	0.7	41.5	973.9	Hardcap		
RRMDD623	2.5	3.4	0.9	184.7	330.4	42.8	134.7	21.0	3.1	14.4	2.1	12.3	2.2	6.6	0.9	6.4	0.9	63.4	826.0	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD623	3.4	4.4	0.9	127.8	167.1	33.7	114.8	20.5	3.2	14.3	2.0	11.4	1.9	5.4	0.8	5.3	0.7	54.5	563.5	Clay		
RRMDD623	4.4	5.4	1.0	133.7	211.3	42.9	165.6	29.5	4.6	20.3	2.8	14.7	2.3	6.0	0.8	5.1	0.7	55.2	695.6	Clay		
RRMDD623	5.4	6.2	0.8	82.0	167.7	24.5	100.8	21.9	3.8	17.2	2.5	13.9	2.3	5.9	0.8	5.4	0.8	57.7	506.9	Clay		
RRMDD623	6.2	7.1	0.9	75.5	157.8	19.0	74.8	16.3	3.0	14.6	2.1	12.2	2.1	6.2	0.9	5.6	0.8	60.6	451.5	Clay		
RRMDD623	7.1	8.0	0.9	67.6	141.3	16.7	62.6	13.5	2.5	11.9	1.8	10.5	1.9	5.6	0.7	5.0	0.7	54.9	397.1	Clay		
RRMDD623	8.0	8.9	0.9	62.0	125.9	14.2	53.2	11.1	2.1	10.6	1.6	10.4	2.1	6.6	1.0	6.3	0.9	75.9	384.0	Clay		
RRMDD623	8.9	9.8	0.9	65.0	135.1	15.3	57.5	12.1	2.4	11.7	1.8	11.6	2.3	7.0	1.0	6.7	0.9	72.0	402.5	Clay		
RRMDD623	9.8	10.7	0.9	65.8	140.7	16.3	65.0	16.4	3.3	17.7	2.9	17.6	3.6	10.5	1.5	9.3	1.3	107.3	478.9	Clay		
RRMDD623	10.7	11.7	1.0	62.0	127.8	14.8	60.0	15.6	3.1	17.9	2.9	19.2	4.1	12.6	1.8	11.6	1.6	125.1	480.0	Clay		
RRMDD623	11.7	12.7	1.0	64.5	141.9	16.1	63.5	14.3	2.8	15.6	2.4	15.0	3.3	10.2	1.4	9.0	1.3	121.4	482.6	Upper Saprolite		
RRMDD623	12.7	13.7	1.0	64.3	143.7	16.3	61.9	13.3	2.6	13.9	2.1	13.2	2.9	9.1	1.2	7.5	1.1	120.3	473.3	Upper Saprolite		
RRMDD623	13.7	14.7	1.0	62.3	137.6	15.2	57.0	11.2	2.1	10.8	1.5	9.6	2.0	6.5	0.9	5.5	0.8	96.8	419.8	Upper Saprolite		
RRMDD623	14.7	15.5	0.8	65.9	145.6	15.8	56.2	11.2	2.1	9.6	1.3	7.9	1.6	4.7	0.7	4.3	0.6	65.4	392.9	Lower Saprolite	13.0	499
RRMDD623	15.5	16.4	0.9	70.1	152.9	16.7	58.4	11.8	2.1	9.6	1.4	8.1	1.5	4.6	0.6	4.2	0.6	50.7	393.3	Saprock		
RRMDD623	16.4	17.3	0.9	63.3	136.4	14.9	52.7	10.2	1.9	8.5	1.2	7.4	1.4	3.9	0.6	3.8	0.6	41.4	348.1	Saprock		
RRMDD624	0.0	2.0	2.0	85.7	321.8	17.6	57.4	10.1	1.7	8.2	1.4	8.0	1.7	5.0	0.8	5.3	0.8	47.2	572.8	Hardcap		
RRMDD624	2.0	3.9	2.0	130.2	245.1	29.1	98.6	17.2	2.9	13.1	2.0	11.6	2.3	6.7	1.0	6.5	1.0	64.9	632.0	Transition		
RRMDD624	3.9	4.9	1.0	121.4	194.1	28.0	93.1	16.1	3.0	12.7	1.9	10.7	2.1	5.6	0.8	5.3	0.8	64.6	560.3	Clay		
RRMDD624	4.9	5.9	1.0	117.9	187.3	28.8	94.8	17.0	3.3	13.2	2.0	11.2	2.1	5.7	0.8	5.2	0.8	65.1	555.2	Clay		
RRMDD624	5.9	6.7	0.8	126.7	233.4	35.4	122.5	22.8	4.5	17.9	2.7	14.7	2.5	6.6	0.9	5.6	0.8	72.5	669.5	Clay		
RRMDD624	6.7	7.5	0.8	122.6	259.2	35.3	137.1	24.9	5.0	20.9	3.2	17.6	3.1	7.6	1.0	6.0	0.9	79.0	723.3	Clay		
RRMDD624	7.5	8.3	0.8	52.4	110.2	13.5	47.2	9.4	2.1	8.6	1.4	8.3	1.7	4.8	0.7	4.5	0.7	55.1	320.7	Clay		
RRMDD624	8.3	9.2	0.8	78.8	178.1	20.4	75.7	16.3	3.6	15.7	2.4	15.1	3.1	8.2	1.1	6.9	1.0	97.4	523.8	Clay		
RRMDD624	9.2	10.0	0.8	73.9	165.8	19.5	72.2	15.5	3.4	14.3	2.2	13.5	2.9	8.1	1.2	6.9	1.0	100.8	501.3	Clay		
RRMDD624	10.0	10.8	0.8	65.9	143.1	16.4	57.4	11.6	2.6	9.5	1.4	8.6	1.9	5.9	0.9	5.9	0.9	72.9	404.8	Clay		
RRMDD624	10.8	11.7	0.8	70.0	150.5	17.2	59.3	11.5	2.4	9.5	1.4	8.7	1.8	5.4	0.8	5.4	0.8	67.8	412.6	Clay		
RRMDD624	11.7	12.7	1.0	58.3	129.0	14.6	51.6	9.6	2.2	7.7	1.2	7.2	1.5	4.4	0.7	4.2	0.7	55.9	348.7	Clay		
RRMDD624	12.7	13.6	1.0	84.1	195.9	21.1	71.6	13.0	2.7	10.7	1.6	10.1	2.2	6.4	0.9	5.8	0.9	86.1	513.2	Upper Saprolite		
RRMDD624	13.6	14.6	1.0	95.7	216.2	22.6	76.4	14.1	2.8	10.9	1.6	9.7	1.9	5.2	0.7	4.5	0.7	68.2	531.5	Upper Saprolite		
RRMDD624	14.6	15.2	0.6	68.4	151.1	16.3	55.5	10.3	2.2	8.3	1.2	7.3	1.4	3.8	0.6	3.5	0.6	46.6	377.1	Lower Saprolite		
RRMDD624	15.2	16.0	0.7	61.1	133.3	14.6	52.1	10.5	2.0	8.6	1.3	7.3	1.4	4.4	0.6	4.0	0.6	44.1	345.8	Lower Saprolite	12.0	489
RRMDD624	16.0	16.7	0.7	80.2	175.7	18.8	65.9	13.0	2.4	9.9	1.4	8.1	1.4	4.2	0.6	3.8	0.6	43.7	429.6	Saprock		
RRMDD624	16.7	17.4	0.7	75.8	168.3	17.8	63.2	12.3	2.3	9.6	1.4	7.8	1.4	4.2	0.6	3.9	0.5	43.7	412.7	Saprock		
RRMDD624	17.4	18.3	1.0	91.0	205.8	21.7	75.7	12.8	2.4	9.9	1.5	7.8	1.5	4.2	0.6	4.0	0.6	48.6	488.1	Saprock		
RRMDD624	18.3	19.3	0.9	73.5	166.4	17.8	62.5	11.0	2.3	9.0	1.3	7.6	1.5	4.3	0.6	4.0	0.6	48.8	411.2	Saprock		
RRMDD624	19.3	20.3	1.0	67.7	151.7	16.3	56.8	10.2	2.1	8.1	1.3	6.9	1.3	3.8	0.5	3.3	0.5	40.3	370.7	Saprock		
RRMDD624	20.3	21.5	1.3	69.2	155.4	16.6	59.6	11.0	2.2	8.7	1.3	7.2	1.5	4.0	0.6	3.7	0.6	45.6	387.0	Saprock		
RRMDD625	0.0	1.6	1.6	172.4	839.0	32.5	99.4	15.8	2.6	11.3	1.9	10.1	2.0	5.3	0.8	5.6	0.8	50.3	1249.6	Hardcap		
RRMDD625	1.6	2.6	1.0	152.5	417.7	30.4	97.4	16.6	2.7	12.8	2.1	11.3	2.3	6.6	1.0	6.5	1.0	66.9	827.7	Transition		
RRMDD625	2.6	3.6	1.0	110.9	140.7	23.2	78.8	13.4	2.3	10.6	1.7	9.4	1.9	5.9	0.8	5.3	0.8	57.8	463.5	Mottled		
RRMDD625	3.6	4.5	1.0	102.2	126.5	22.3	75.9	13.2	2.5	10.6	1.6	9.6	1.9	5.6	0.8	5.0	0.8	56.4	434.8	Mottled		
RRMDD625	4.5	5.5	1.0	104.0	147.4	23.9	81.3	14.8	2.8	11.4	1.8	10.4	2.0	5.7	0.8	5.0	0.8	59.1	471.4	Mottled		
RRMDD625	5.5	6.4	1.0	70.6	120.8	16.8	60.0	10.8	2.1	8.5	1.3	7.5	1.5	4.4	0.7	4.0	0.7	46.1	355.8	Clay		
RRMDD625	6.4	7.4	1.0	61.0	106.1	14.1	49.0	8.5	1.7	6.9	1.1	6.1	1.3	4.0	0.6	3.8	0.6	41.0	305.8	Clay		
RRMDD625	7.4	8.4	1.0	128.4	256.7	29.5	105.6	19.9	4.0	17.1	2.7	14.5	2.7	7.1	0.9	6.0	0.9	76.2	672.1	Clay		
RRMDD625	8.4	9.4	1.0	85.3	183.6	23.2	89.6	17.0	3.4	14.7	2.3	13.2	2.6	7.2	1.0	6.2	1.0	82.5	532.9	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD625	9.4	10.4	1.0	144.3	315.7	36.5	137.6	27.5	5.4	24.1	3.7	20.2	3.7	9.5	1.3	7.2	1.1	104.8	842.4	Clay		
RRMDD625	10.4	11.4	1.0	122.0	273.9	31.3	119.0	23.2	4.6	20.2	3.1	16.6	3.1	8.2	1.1	6.3	0.9	90.2	723.4	Clay		
RRMDD625	11.4	12.1	0.7	85.7	180.6	21.4	78.5	14.2	2.8	12.4	1.9	10.8	2.1	6.0	0.8	5.2	0.8	66.7	489.9	Clay		
RRMDD625	12.1	12.8	0.7	84.0	178.7	20.1	73.6	13.1	2.6	11.6	1.8	10.4	2.1	5.8	0.8	4.8	0.7	63.1	473.3	Clay		
RRMDD625	12.8	13.2	0.5	57.3	126.5	14.7	52.5	9.8	2.0	8.8	1.3	7.9	1.7	4.5	0.6	4.0	0.6	54.6	347.0	Clay		
RRMDD625	13.2	14.2	0.9	76.0	175.7	21.0	77.3	14.4	2.9	12.6	2.0	12.5	2.7	7.7	1.1	7.1	1.0	94.4	508.5	Clay		
RRMDD625	14.2	15.1	0.9	101.9	243.2	26.3	96.7	18.3	3.9	17.5	2.6	15.3	3.1	8.1	1.1	6.6	1.0	101.0	646.7	Clay		
RRMDD625	15.1	16.0	0.9	72.0	165.2	20.4	75.8	13.9	2.9	12.7	2.1	12.7	2.9	8.5	1.2	7.5	1.1	108.6	507.5	Clay		
RRMDD625	16.0	16.9	0.9	63.9	144.3	17.0	61.7	11.4	2.5	10.6	1.6	10.2	2.1	6.3	0.9	5.8	0.9	79.5	418.7	Clay		
RRMDD625	16.9	17.9	0.9	60.3	137.6	16.2	58.7	10.9	2.4	10.1	1.5	9.9	2.2	6.2	0.9	5.8	0.9	81.3	404.7	Clay		
RRMDD625	17.9	18.8	0.9	99.7	238.3	25.5	91.3	16.5	3.4	15.1	2.3	13.5	2.8	7.9	1.1	6.4	1.0	101.8	626.6	Upper Saprolite		
RRMDD625	18.8	19.7	0.9	66.3	152.9	17.3	61.9	11.0	2.4	9.9	1.5	9.7	2.2	6.6	1.0	6.3	0.9	87.6	437.7	Upper Saprolite		
RRMDD625	19.7	20.7	0.9	72.2	164.0	18.3	64.6	11.8	2.4	9.3	1.4	9.0	2.0	5.8	0.9	5.4	0.9	77.6	445.5	Upper Saprolite		
RRMDD625	20.7	21.6	1.0	105.8	256.7	25.3	85.4	15.2	3.0	12.3	1.7	9.4	1.8	5.0	0.7	4.5	0.7	66.9	594.5	Upper Saprolite		
RRMDD625	21.6	22.5	0.9	86.2	212.5	21.4	73.5	12.9	2.6	11.5	1.9	12.6	2.8	8.2	1.2	7.7	1.2	118.9	575.2	Upper Saprolite		
RRMDD625	22.5	23.4	0.9	86.6	213.7	22.2	79.0	14.6	3.0	12.9	2.0	12.9	2.9	8.5	1.3	8.0	1.3	124.8	593.6	Lower Saprolite		
RRMDD625	23.4	24.3	0.9	91.0	224.2	22.6	79.1	15.2	3.1	13.8	2.1	12.2	2.6	7.4	1.1	6.2	1.0	119.9	601.6	Lower Saprolite	21.7	525
RRMDD625	24.3	25.2	0.9	68.7	156.6	16.0	53.7	9.6	1.8	7.1	1.0	5.7	1.1	3.2	0.5	3.1	0.5	35.7	364.3	Saprock		
RRMDD625	25.2	26.1	0.9	71.7	167.7	17.2	58.1	10.8	2.1	8.6	1.3	7.4	1.4	4.1	0.6	4.0	0.6	45.5	401.0	Saprock		
RRMDD625	26.1	27.1	0.9	74.7	176.9	17.9	61.1	11.6	2.2	8.9	1.3	7.3	1.4	4.2	0.6	4.0	0.6	48.1	420.9	Saprock		
RRMDD625	27.1	28.0	0.9	77.3	187.3	18.7	62.4	11.7	2.3	9.5	1.5	8.6	1.7	5.0	0.7	4.3	0.7	55.7	447.4	Saprock		
RRMDD626	0.0	1.6	1.6	125.5	358.7	25.1	82.7	14.8	2.4	13.2	2.1	12.5	2.5	7.1	1.1	7.8	1.1	74.8	731.4	Soil		
RRMDD626	1.6	3.1	1.6	84.1	404.1	17.6	58.4	10.9	1.7	9.0	1.5	9.0	1.8	5.4	0.9	5.8	0.9	48.9	660.1	Hardcap		
RRMDD626	3.1	4.6	1.5	97.6	378.3	21.8	70.9	12.7	2.1	10.1	1.8	10.4	2.1	6.0	0.9	6.5	0.9	49.0	671.2	Hardcap		
RRMDD626	4.6	6.2	1.6	216.4	402.9	51.1	164.5	25.0	3.9	17.3	2.7	14.9	2.8	7.8	1.2	8.3	1.2	68.6	988.6	Transition		
RRMDD626	6.2	6.7	0.5	98.4	192.2	26.6	103.2	19.3	3.5	17.0	2.5	13.9	2.4	7.0	0.9	6.5	0.9	65.1	559.3	Clay		
RRMDD626	6.7	7.3	0.5	89.0	192.2	23.0	92.6	18.4	3.5	17.4	2.5	14.7	2.6	7.1	1.0	6.8	0.9	69.3	541.1	Clay		
RRMDD626	7.3	8.1	0.9	105.0	254.3	35.9	165.6	30.0	5.9	35.5	5.2	35.0	7.8	23.3	3.3	21.5	3.1	289.5	1020.9	Clay		
RRMDD626	8.1	9.0	0.9	109.2	254.3	35.3	148.7	26.3	4.8	32.4	4.7	31.8	7.9	25.3	3.5	20.5	3.2	379.7	1087.6	Clay		
RRMDD626	9.0	9.8	0.8	85.5	199.6	21.1	76.3	14.7	2.6	12.7	1.8	11.3	2.3	6.8	0.9	5.7	0.8	94.4	536.5	Upper Saprolite		
RRMDD626	9.8	10.7	0.9	72.8	167.1	17.9	63.6	12.5	2.4	10.6	1.5	8.7	1.7	5.0	0.7	4.6	0.6	50.5	420.2	Lower Saprolite	4.5	716
RRMDD626	10.7	11.6	0.9	67.4	157.8	16.6	59.8	11.5	2.2	9.3	1.4	7.9	1.5	4.7	0.6	4.2	0.6	45.7	391.3	Saprock		
RRMDD626	11.6	12.5	0.9	65.0	149.9	15.9	56.8	11.2	2.1	8.9	1.3	7.6	1.5	4.1	0.6	3.9	0.6	43.6	372.9	Saprock		
RRMDD627	0.0	0.9	0.9	111.3	148.0	20.1	60.2	9.5	1.6	8.3	1.4	8.8	1.9	5.5	0.8	5.7	0.8	59.4	443.4	Soil		
RRMDD627	0.9	1.7	0.8	143.1	143.7	23.3	65.9	9.3	1.6	7.8	1.3	8.0	1.7	5.0	0.7	5.2	0.7	56.4	473.7	Clay		
RRMDD627	1.7	2.6	0.8	174.2	181.2	28.8	79.9	11.3	1.9	9.2	1.5	9.2	1.9	5.6	0.8	5.8	0.9	65.5	577.6	Clay		
RRMDD627	2.6	3.4	0.8	177.7	206.4	32.1	86.8	13.0	2.2	10.4	1.7	10.6	2.3	6.5	1.0	6.6	1.0	71.6	629.8	Clay		
RRMDD627	3.4	4.1	0.7	200.5	251.8	42.8	119.0	17.3	2.8	12.5	2.0	12.5	2.5	7.2	1.2	7.3	1.1	74.5	755.1	Clay		
RRMDD627	4.1	4.8	0.7	136.0	199.6	34.6	103.8	16.5	2.8	12.3	2.0	11.8	2.3	6.4	1.0	6.4	0.9	60.3	596.9	Clay		
RRMDD627	4.8	5.5	0.7	85.3	135.1	19.9	72.0	16.3	3.1	15.3	2.5	15.3	2.9	8.6	1.2	8.6	1.1	74.2	461.3	Clay		
RRMDD627	5.5	6.3	0.8	90.0	160.3	21.1	80.8	18.5	3.4	18.5	3.1	18.3	3.9	11.4	1.6	10.3	1.5	125.5	568.0	Clay		
RRMDD627	6.3	7.1	0.8	90.2	187.3	26.8	107.2	22.1	4.0	21.3	3.3	20.1	4.2	12.4	1.6	10.9	1.5	155.6	668.7	Clay		
RRMDD627	7.1	8.0	0.8	82.1	165.8	19.6	73.0	14.6	2.8	15.2	2.3	14.2	3.2	9.4	1.2	7.9	1.2	144.1	556.8	Clay		
RRMDD627	8.0	8.8	0.8	75.6	149.3	17.2	62.6	13.0	2.4	11.4	1.8	10.8	2.2	6.6	0.9	6.2	0.9	93.0	454.2	Clay		
RRMDD627	8.8	9.7	0.9	73.4	156.6	17.3	60.7	12.2	2.3	9.5	1.4	8.5	1.7	5.0	0.7	4.6	0.7	53.8	408.5	Clay		
RRMDD627	9.7	10.7	1.0	75.9	165.8	18.1	63.6	12.8	2.4	9.6	1.5	7.9	1.5	4.1	0.6	4.1	0.6	42.5	410.8	Upper Saprolite		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval			
																					Length (m)	TREO ppm		
RRMDD627	10.7	11.5	0.8	74.0	160.9	17.5	62.6	12.3	2.3	9.7	1.5	8.7	1.6	4.5	0.7	4.6	0.6	47.9	409.3	Upper Saprolite	13.1	509		
RRMDD627	11.5	12.4	0.9	73.8	162.8	18.1	63.1	12.9	2.4	9.9	1.5	8.5	1.6	4.5	0.6	4.2	0.6	45.6	410.0	Upper Saprolite				
RRMDD627	12.4	13.3	0.9	76.8	170.1	18.5	64.5	12.3	2.2	9.3	1.4	8.0	1.6	4.9	0.7	5.0	0.7	48.5	424.4	Lower Saprolite				
RRMDD627	13.3	14.0	0.7	72.7	161.5	17.6	61.5	12.3	2.2	9.6	1.4	8.5	1.6	4.5	0.6	4.5	0.6	46.7	406.0	Lower Saprolite				
RRMDD627	14.0	15.0	1.0	65.3	145.0	15.6	54.7	10.6	2.0	8.2	1.2	7.3	1.4	4.0	0.6	3.9	0.6	41.5	361.8	Saprock				
RRMDD627	15.0	16.0	1.0	63.2	140.0	15.3	54.1	10.5	1.9	7.8	1.1	6.4	1.1	3.4	0.5	3.5	0.5	33.9	343.4	Saprock				
RRMDD627	16.0	17.0	1.0	64.5	141.9	15.6	53.4	10.5	1.9	8.2	1.2	6.6	1.3	3.6	0.5	3.6	0.5	37.0	350.3	Saprock				
RRMDD627	17.0	18.0	1.0	63.7	142.5	15.5	54.2	10.9	2.1	8.3	1.2	7.3	1.4	3.8	0.6	3.8	0.6	39.9	355.8	Saprock				
RRMDD627	18.0	18.9	1.0	66.8	152.3	15.9	56.1	11.2	2.1	8.3	1.3	7.1	1.4	3.8	0.5	3.7	0.5	38.2	369.4	Saprock				
RRMDD627	18.9	19.9	1.0	48.1	112.0	11.6	40.7	7.6	1.5	6.0	0.9	5.6	1.1	3.0	0.5	2.9	0.5	35.8	277.9	Saprock				
RRMDD627	19.9	20.9	1.0	61.9	143.7	15.1	53.3	10.9	2.1	8.4	1.3	7.1	1.4	3.9	0.5	3.7	0.5	39.4	353.3	Saprock				
RRMDD627	20.9	21.9	1.0	63.8	145.6	15.4	55.5	10.1	2.2	8.4	1.3	7.6	1.5	4.3	0.6	3.8	0.6	47.4	368.1	Saprock				
RRMDD627	21.9	22.9	1.0	62.5	141.9	14.9	52.6	10.5	2.2	9.1	1.4	7.8	1.5	4.4	0.6	4.3	0.6	43.8	358.1	Saprock				
RRMDD627	22.9	23.9	1.0	62.4	143.7	15.2	54.4	10.9	2.2	8.6	1.4	7.3	1.4	4.0	0.5	3.8	0.5	39.6	355.8	Saprock				
RRMDD627	23.9	24.9	1.0	35.3	75.1	8.5	30.7	6.1	1.2	4.9	0.8	4.7	0.9	2.7	0.4	2.6	0.4	26.4	200.6	Saprock				
RRMDD627	24.9	25.9	1.0	51.1	116.5	12.6	44.4	9.3	1.7	7.3	1.1	6.7	1.2	3.6	0.5	3.5	0.5	35.8	295.8	Saprock				
RRMDD628	0.0	2.0	2.0	141.3	216.8	29.1	96.2	17.6	2.9	14.6	2.4	14.8	3.1	8.6	1.3	8.3	1.3	90.5	648.9	Soil	3.7	671		
RRMDD628	2.0	4.0	2.0	106.6	503.6	20.4	64.5	10.9	1.8	8.7	1.5	8.6	1.8	5.4	0.8	5.8	0.8	51.6	792.7	Hardcap				
RRMDD628	4.0	6.1	2.0	88.9	538.0	19.9	67.4	12.3	2.0	9.5	1.6	9.3	1.9	5.5	0.8	5.7	0.8	52.1	815.8	Hardcap				
RRMDD628	6.1	8.1	2.0	103.1	411.5	19.1	60.9	11.0	1.9	8.9	1.5	8.9	1.9	5.2	0.8	5.8	0.8	48.1	689.5	Hardcap				
RRMDD628	8.1	8.8	0.7	190.6	253.1	43.7	140.0	23.3	4.0	17.4	2.6	13.9	2.6	7.0	1.0	7.2	1.0	73.0	780.5	Clay				
RRMDD628	8.8	9.5	0.7	93.6	167.7	27.5	104.3	19.7	3.7	16.8	2.6	15.0	2.8	7.6	1.1	7.8	1.0	73.5	544.9	Clay				
RRMDD628	9.5	10.2	0.8	90.8	192.2	26.5	107.5	21.5	4.3	21.2	3.3	19.2	3.6	9.3	1.2	8.3	1.1	91.7	601.7	Clay				
RRMDD628	10.2	11.0	0.8	96.6	226.0	28.3	120.1	19.9	3.8	24.0	3.8	25.8	7.2	22.5	3.4	21.6	3.1	394.9	1001.1	Upper Saprolite				
RRMDD628	11.0	11.7	0.8	74.5	172.0	18.2	65.8	11.9	2.4	9.2	1.4	7.9	1.5	4.1	0.6	4.1	0.6	51.0	425.2	Lower Saprolite				
RRMDD628	11.7	12.5	0.8	74.1	168.9	17.8	63.1	11.3	2.2	9.0	1.4	7.7	1.5	4.3	0.6	3.8	0.6	48.6	414.9	Saprock				
RRMDD628	12.5	13.1	0.6	68.3	154.8	16.7	59.6	10.7	2.1	8.6	1.3	7.9	1.7	4.6	0.7	4.2	0.6	52.8	394.6	Saprock				
RRMDD628	13.1	13.8	0.6	81.4	186.7	19.4	68.4	11.8	2.3	9.2	1.4	7.3	1.4	3.7	0.5	3.5	0.5	42.0	439.6	Saprock				
RRMDD628	13.8	14.4	0.6	71.3	161.5	17.5	61.6	11.1	2.1	8.6	1.3	7.6	1.6	4.4	0.6	4.2	0.6	48.3	402.2	Saprock				
RRMDD628	14.4	15.0	0.6	68.5	154.8	16.8	60.1	11.0	2.1	9.0	1.4	7.5	1.5	3.9	0.6	4.1	0.5	43.6	385.2	Saprock				
RRMDD629	0.0	1.8	1.8	93.4	259.2	16.9	52.7	9.6	1.6	7.5	1.3	7.4	1.6	4.5	0.7	5.2	0.7	43.0	505.4	Hardcap			11.0	521
RRMDD629	1.8	3.5	1.8	97.8	425.0	19.5	63.6	10.9	1.8	8.3	1.4	8.2	1.6	4.9	0.8	5.3	0.8	45.3	695.3	Hardcap				
RRMDD629	3.5	4.7	1.2	122.0	457.0	25.0	81.4	13.9	2.3	11.3	1.8	10.0	2.0	5.8	0.9	6.3	0.9	53.5	794.1	Transition				
RRMDD629	4.7	5.4	0.8	104.6	179.3	23.5	78.8	13.3	2.4	10.6	1.7	9.6	1.8	5.6	0.8	5.8	0.8	51.9	490.5	Clay				
RRMDD629	5.4	6.2	0.8	118.5	151.1	27.3	90.4	15.8	3.0	13.2	2.0	11.6	2.1	6.6	0.9	6.1	0.9	61.5	510.8	Clay				
RRMDD629	6.2	7.0	0.8	87.3	164.6	23.9	88.2	18.0	3.6	16.0	2.3	13.8	2.6	7.2	1.0	6.8	1.0	68.4	504.7	Clay				
RRMDD629	7.0	7.9	0.9	76.0	164.6	22.0	85.3	18.0	3.7	17.1	2.6	15.6	2.9	8.3	1.1	7.4	1.0	86.6	512.1	Clay				
RRMDD629	7.9	8.9	0.9	88.8	176.9	26.6	103.8	20.8	4.1	20.9	3.1	20.2	3.9	12.3	1.7	10.5	1.5	130.8	625.9	Clay				
RRMDD629	8.9	9.9	1.1	86.4	192.9	24.9	97.0	16.8	3.3	17.1	2.6	16.6	3.7	11.8	1.6	10.1	1.5	158.1	644.3	Clay				
RRMDD629	9.9	11.0	1.1	67.6	146.8	18.5	69.2	11.6	2.4	10.9	1.6	10.2	2.4	7.9	1.0	6.6	1.0	125.6	483.3	Clay				
RRMDD629	11.0	12.0	1.0	94.6	200.2	22.3	78.5	13.5	2.6	11.6	1.7	9.8	1.9	5.8	0.8	5.2	0.8	83.8	533.3	Upper Saprolite				
RRMDD629	12.0	12.8	0.8	92.5	202.7	22.2	76.2	13.6	2.6	10.9	1.5	8.5	1.5	4.3	0.6	3.8	0.5	49.1	490.6	Upper Saprolite				
RRMDD629	12.8	13.8	0.9	96.9	207.6	22.2	77.1	13.6	2.7	11.3	1.6	9.1	1.7	4.9	0.7	4.3	0.6	55.0	509.4	Lower Saprolite				
RRMDD629	13.8	14.7	0.9	89.5	203.3	21.6	74.8	12.9	2.4	10.8	1.5	8.5	1.5	4.4	0.6	4.2	0.5	48.1	484.6	Lower Saprolite				
RRMDD629	14.7	15.7	0.9	78.8	178.7	19.0	65.6	11.8	2.4	9.9	1.5	8.6	1.7	5.2	0.7	4.7	0.7	52.8	442.0	Lower Saprolite				
RRMDD629	15.7	16.6	1.0	65.1	147.4	15.8	55.2	9.9	2.0	8.2	1.2	7.0	1.3	3.8	0.5	3.5	0.5	40.8	362.3	Saprock				

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD629	16.6	17.6	0.9	59.1	135.1	14.3	51.2	9.6	1.9	7.8	1.1	6.5	1.3	3.7	0.5	3.4	0.5	40.0	336.0	Saprock		
RRMDD629	17.6	18.5	0.9	65.2	146.2	15.8	55.5	9.8	2.0	8.8	1.3	7.7	1.5	4.6	0.7	4.3	0.6	46.7	370.6	Saprock		
RRMDD630	0.0	1.7	1.7	79.5	264.1	15.6	51.0	9.1	1.5	7.6	1.3	7.3	1.5	4.3	0.7	4.6	0.7	39.2	488.0	Hardcap		
RRMDD630	1.7	3.3	1.7	83.2	233.4	18.7	63.1	12.1	2.2	10.3	1.7	9.9	1.9	5.6	0.8	6.1	0.8	49.3	498.9	Hardcap		
RRMDD630	3.3	4.4	1.1	105.2	243.8	27.4	99.4	18.8	3.7	18.3	2.8	16.4	3.0	8.4	1.1	7.1	1.0	85.8	642.4	Clay		
RRMDD630	4.4	5.0	0.6	144.3	331.7	43.7	177.9	31.1	6.0	35.6	5.6	37.9	8.4	26.0	3.5	23.0	3.3	302.2	1180.1	Lower Saprolite	1.7	836
RRMDD630	5.0	5.6	0.6	109.8	255.5	29.0	110.9	17.4	3.4	18.6	2.6	16.8	4.0	12.8	1.7	10.1	1.6	223.5	817.6	Saprock		
RRMDD630	5.6	6.6	1.0	89.5	195.9	21.3	74.6	13.1	2.4	10.6	1.6	9.5	2.0	5.5	0.8	4.7	0.7	73.0	505.2	Saprock		
RRMDD630	6.6	7.5	1.0	85.8	188.6	20.4	72.0	12.9	2.3	10.4	1.5	8.4	1.6	4.5	0.6	4.0	0.6	48.6	462.1	Saprock		
RRMDD631	0.0	2.1	2.1	93.0	156.0	18.5	60.5	11.0	1.9	9.2	1.5	8.9	1.9	5.2	0.8	5.9	0.9	53.6	428.9	Soil		
RRMDD631	2.1	4.2	2.1	83.4	229.1	15.5	47.4	8.0	1.4	6.4	1.0	6.0	1.2	3.5	0.6	4.0	0.6	33.1	441.0	Hardcap		
RRMDD631	4.2	6.2	2.1	91.6	227.3	17.5	54.1	9.2	1.7	7.4	1.3	7.2	1.4	4.0	0.7	4.4	0.7	37.2	465.5	Hardcap		
RRMDD631	6.2	7.3	1.0	93.2	187.9	27.8	114.2	23.3	4.5	22.0	3.3	18.5	3.6	9.7	1.3	8.9	1.3	101.7	621.4	Clay		
RRMDD631	7.3	8.3	1.0	85.1	189.2	28.0	127.7	25.2	5.1	31.9	5.0	32.7	7.7	23.4	3.2	19.8	2.8	316.2	903.1	Clay		
RRMDD631	8.3	9.3	1.0	65.9	159.1	17.0	65.2	11.5	2.2	11.0	1.5	8.8	1.9	5.9	0.8	5.0	0.8	93.5	449.9	Upper Saprolite		
RRMDD631	9.3	10.1	0.8	65.9	154.8	15.8	59.6	10.9	2.2	9.6	1.4	8.1	1.5	4.3	0.6	4.0	0.6	49.4	388.7	Upper Saprolite		
RRMDD631	10.1	10.9	0.8	73.4	172.6	17.3	65.6	11.5	2.2	9.4	1.3	7.3	1.4	4.0	0.6	3.9	0.6	44.6	415.7	Saprock		
RRMDD631	10.9	12.0	1.0	64.2	152.3	15.6	58.9	10.3	2.0	8.8	1.2	7.0	1.4	3.9	0.6	3.9	0.5	43.3	373.9	Saprock		
RRMDD631	12.0	13.0	1.0	61.7	145.6	15.0	57.2	9.9	2.0	8.6	1.2	7.1	1.4	4.0	0.5	3.6	0.5	41.1	359.6	Saprock		
RRMDD631	13.0	14.0	1.0	43.2	105.3	10.4	40.5	7.0	1.4	6.1	0.9	4.8	1.0	3.0	0.4	2.9	0.4	31.0	258.0	Saprock		
RRMDD631	14.0	14.9	1.0	61.0	148.0	15.2	57.4	10.2	2.0	8.8	1.2	6.4	1.2	3.3	0.5	3.2	0.5	35.8	354.6	Saprock		
RRMDD631	14.9	15.9	1.0	57.8	136.4	14.0	54.2	9.7	1.9	8.1	1.2	6.9	1.3	3.9	0.5	3.8	0.5	40.3	340.5	Saprock		
RRMDD632	0.0	1.7	1.7	84.1	289.9	16.7	55.2	10.1	1.7	8.3	1.4	8.3	1.8	5.1	0.8	5.3	0.8	48.3	537.7	Hardcap		
RRMDD632	1.7	3.3	1.7	117.9	625.3	21.6	67.7	11.7	1.9	9.0	1.5	8.5	1.7	5.0	0.8	5.3	0.7	46.6	925.0	Hardcap		
RRMDD632	3.3	5.0	1.7	154.2	834.1	31.3	100.0	17.0	2.7	12.8	2.1	12.2	2.4	7.1	1.1	7.1	1.0	62.1	1247.2	Hardcap		
RRMDD632	5.0	6.7	1.7	129.0	463.1	29.8	100.2	17.2	2.8	12.8	2.1	11.6	2.3	6.6	1.0	6.9	1.0	61.5	848.0	Hardcap		
RRMDD632	6.7	7.2	0.6	86.2	170.7	20.3	72.1	13.2	2.4	10.5	1.7	10.2	2.1	6.0	0.9	6.5	0.9	55.7	459.4	Transition		
RRMDD632	7.2	8.1	0.8	112.9	278.8	27.4	100.0	18.1	3.4	16.0	2.4	14.4	3.1	8.3	1.2	8.0	1.1	102.9	698.1	Clay		
RRMDD632	8.1	8.6	0.6	103.1	256.7	26.1	96.5	16.4	3.1	14.9	2.3	14.3	3.5	10.4	1.5	10.6	1.5	136.5	697.4	Clay		
RRMDD632	8.6	9.2	0.6	93.8	225.4	23.6	86.8	14.3	2.7	12.2	1.9	12.6	3.1	9.8	1.4	10.0	1.5	146.0	645.2	Clay		
RRMDD632	9.2	10.0	0.8	98.0	243.8	24.1	86.9	14.9	3.0	12.4	1.8	10.2	2.4	7.0	1.0	6.9	1.0	119.5	633.2	Clay		
RRMDD632	10.0	10.8	0.8	75.6	173.2	18.7	67.7	11.8	2.5	9.1	1.4	7.5	1.6	4.8	0.7	4.8	0.7	62.2	442.3	Clay		
RRMDD632	10.8	11.6	0.9	79.4	183.6	19.1	68.4	12.0	2.5	9.5	1.4	7.9	1.6	4.3	0.6	4.5	0.6	49.7	445.2	Lower Saprolite		
RRMDD632	11.6	12.5	0.9	88.9	215.6	21.7	76.7	13.5	2.7	10.7	1.5	8.4	1.6	4.3	0.6	4.2	0.6	49.4	500.3	Saprock		
RRMDD632	12.5	13.4	0.9	83.5	196.5	20.2	71.3	12.4	2.4	9.4	1.4	8.0	1.7	4.6	0.7	4.6	0.6	53.6	470.9	Saprock		
RRMDD632	13.4	14.4	1.0	79.0	186.1	19.0	67.1	11.4	2.3	8.9	1.3	7.4	1.5	3.8	0.6	3.6	0.6	44.1	436.6	Saprock		
RRMDD632	14.4	15.4	1.0	88.4	211.9	21.3	75.1	13.2	2.6	10.2	1.4	7.8	1.5	4.0	0.6	4.0	0.6	46.1	488.5	Saprock		
RRMDD632	15.4	16.4	1.0	85.5	200.2	20.6	70.9	12.1	2.3	9.3	1.4	7.8	1.6	4.3	0.6	4.0	0.6	49.1	470.4	Saprock		
RRMDD632	16.4	17.4	1.0	86.0	195.3	20.2	71.5	12.1	2.2	9.2	1.3	7.1	1.3	3.5	0.5	3.3	0.5	40.3	454.4	Saprock		
RRMDD632	17.4	18.3	0.9	83.4	193.5	19.8	70.0	12.1	2.4	9.5	1.4	8.0	1.6	4.1	0.6	3.9	0.6	49.9	460.7	Saprock		
RRMDD632	18.3	19.2	0.9	95.5	223.0	22.6	78.7	13.5	2.4	10.0	1.4	7.5	1.4	3.6	0.5	3.4	0.5	41.7	505.7	Saprock		
RRMDD633	0.0	1.5	1.5	100.5	649.8	18.0	56.2	9.9	1.7	7.9	1.3	7.6	1.5	4.5	0.7	4.9	0.7	41.0	906.2	Hardcap		
RRMDD633	1.5	3.0	1.5	195.9	664.6	35.3	106.1	17.3	2.9	12.9	2.1	12.4	2.5	6.9	1.1	7.2	1.0	61.5	1129.5	Transition		
RRMDD633	3.0	4.0	1.0	158.9	239.5	32.6	105.7	18.8	3.0	13.6	2.2	13.0	2.4	7.0	1.1	7.2	1.0	64.3	670.2	Clay		
RRMDD633	4.0	5.0	1.0	142.5	219.3	33.2	112.2	20.7	3.3	15.3	2.5	13.9	2.6	7.5	1.1	7.9	1.1	72.1	655.3	Clay		
RRMDD633	5.0	6.0	1.0	91.0	146.8	22.7	77.9	15.2	2.7	12.7	2.0	12.1	2.4	7.1	1.0	7.2	1.0	62.9	464.6	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD633	6.0	6.6	0.6	74.6	207.6	17.3	61.7	13.0	2.3	11.0	1.8	11.3	2.2	6.4	0.9	6.8	0.9	57.0	474.9	Clay	6.7	624
RRMDD633	6.6	7.4	0.8	78.2	164.0	19.4	74.1	17.3	3.4	16.8	2.6	15.0	2.9	8.1	1.1	7.3	1.0	80.6	491.7	Clay		
RRMDD633	7.4	8.1	0.8	96.8	235.9	30.9	128.3	24.6	4.7	26.2	4.4	28.7	6.6	20.8	3.0	18.8	2.8	274.3	906.6	Clay		
RRMDD633	8.1	8.9	0.8	86.9	196.5	22.5	89.1	19.4	3.7	21.0	3.3	21.3	5.2	15.5	2.2	13.8	2.0	185.4	687.9	Clay		
RRMDD633	8.9	9.7	0.8	91.4	218.7	22.2	80.5	14.6	2.9	13.5	2.0	12.4	3.0	8.7	1.3	8.0	1.2	149.2	629.4	Lower Saprolite		
RRMDD633	9.7	10.3	0.6	82.7	183.0	19.9	70.9	12.9	2.4	9.8	1.5	8.6	1.7	4.8	0.7	4.8	0.7	57.0	461.4	Saprock		
RRMDD633	10.3	11.4	1.1	81.2	183.0	19.1	67.7	11.9	2.3	9.3	1.4	7.5	1.5	4.2	0.6	4.1	0.5	48.3	442.6	Saprock		
RRMDD633	11.4	12.6	1.1	81.9	183.0	19.8	68.6	12.3	2.2	9.4	1.4	7.8	1.5	4.1	0.6	4.1	0.6	47.9	445.2	Saprock		
RRMDD633	12.6	13.7	1.1	83.7	186.7	19.8	70.1	12.4	2.3	9.9	1.4	8.0	1.6	4.3	0.6	3.9	0.6	49.0	454.3	Saprock		
RRMDD634	0.0	2.0	2.0	64.7	215.6	12.6	39.8	7.1	1.0	6.2	1.0	6.5	1.4	4.1	0.7	4.7	0.7	39.2	405.4	Hardcap	8.3	660
RRMDD634	2.0	4.0	2.0	68.8	503.6	15.3	51.0	9.4	1.3	7.4	1.2	7.1	1.4	4.0	0.6	4.3	0.6	38.7	714.8	Hardcap		
RRMDD634	4.0	6.0	2.0	85.4	656.0	20.8	71.5	13.6	2.0	10.8	1.7	9.4	1.8	5.1	0.8	5.5	0.8	45.7	930.9	Hardcap		
RRMDD634	6.0	6.7	0.7	191.2	241.4	41.7	129.5	21.5	3.3	15.6	2.2	12.1	2.0	6.0	0.8	5.4	0.8	58.2	731.7	Clay		
RRMDD634	6.7	7.4	0.7	287.3	319.4	70.6	228.6	34.8	5.1	22.4	3.1	15.1	2.3	5.9	0.8	5.2	0.7	56.0	1057.3	Clay		
RRMDD634	7.4	8.1	0.7	124.9	213.7	34.6	121.3	22.4	3.7	17.8	2.6	14.2	2.3	6.4	0.9	6.0	0.8	58.8	630.3	Clay		
RRMDD634	8.1	9.0	0.9	127.8	231.6	35.3	127.1	25.0	4.2	20.6	3.0	16.5	2.6	6.8	0.9	5.6	0.8	63.7	671.4	Clay		
RRMDD634	9.0	9.9	0.9	102.7	195.3	27.5	103.6	22.1	4.2	20.9	3.1	17.6	2.9	7.9	1.0	6.7	0.9	75.1	591.6	Clay		
RRMDD634	9.9	10.8	0.9	79.9	149.9	20.7	78.5	16.8	3.1	16.2	2.5	13.8	2.4	7.0	0.9	6.3	0.8	64.5	463.2	Clay		
RRMDD634	10.8	11.7	0.9	88.0	181.8	23.0	89.6	19.3	3.6	18.6	2.8	16.3	2.9	8.4	1.1	6.9	0.9	79.7	542.7	Clay		
RRMDD634	11.7	12.6	1.0	74.5	160.9	23.0	100.9	20.5	4.0	22.2	3.4	21.3	4.6	12.9	1.9	12.5	1.8	138.4	602.8	Upper Saprolite		
RRMDD634	12.6	13.6	1.0	76.5	170.7	26.7	120.7	22.1	4.3	27.3	4.1	27.0	6.5	18.8	2.8	17.6	2.6	248.9	776.7	Upper Saprolite		
RRMDD634	13.6	14.3	0.7	72.1	161.5	20.7	82.1	12.5	2.5	14.6	1.9	12.5	3.3	9.8	1.4	8.3	1.3	190.5	595.2	Lower Saprolite		
RRMDD634	14.3	15.3	1.0	60.5	138.2	14.6	53.5	9.8	2.0	8.6	1.2	7.2	1.4	4.0	0.6	3.9	0.6	45.0	351.0	Saprock		
RRMDD634	15.3	16.2	1.0	58.4	133.9	14.3	51.0	9.2	2.0	8.5	1.2	6.8	1.4	3.9	0.6	3.8	0.5	43.7	339.1	Saprock		
RRMDD634	16.2	17.2	1.0	60.9	138.8	14.9	53.1	9.7	2.2	8.0	1.2	7.1	1.4	3.7	0.5	3.5	0.5	43.3	348.9	Saprock		
RRMDD635	0.0	2.0	2.0	144.3	594.5	25.3	72.6	10.9	1.7	8.1	1.3	7.4	1.4	4.1	0.7	4.8	0.7	37.7	915.5	Hardcap	8.6	544
RRMDD635	2.0	3.5	1.5	168.3	712.5	34.6	103.8	15.1	2.4	10.3	1.6	8.7	1.7	4.6	0.7	5.0	0.7	41.4	1111.4	Hardcap		
RRMDD635	3.5	5.0	1.5	131.4	573.7	28.3	92.4	14.8	2.4	11.2	1.8	10.0	1.9	5.4	1.2	5.8	0.8	48.8	929.9	Hardcap		
RRMDD635	5.0	6.1	1.1	150.1	561.4	30.0	97.6	17.7	2.8	12.9	2.0	11.6	2.3	6.6	1.0	6.7	1.0	57.8	961.3	Transition		
RRMDD635	6.1	6.9	0.8	154.2	224.2	33.8	112.7	19.4	3.1	14.5	2.1	11.9	2.2	6.7	0.9	6.2	0.9	60.4	653.2	Clay		
RRMDD635	6.9	7.7	0.8	137.8	249.4	35.9	127.7	24.1	4.2	19.4	2.8	15.0	2.7	7.7	1.1	6.9	0.9	70.1	705.5	Clay		
RRMDD635	7.7	8.6	1.0	103.6	223.0	27.1	99.5	20.6	3.4	17.2	2.5	14.3	2.7	7.8	1.1	6.6	1.0	75.3	605.6	Clay		
RRMDD635	8.6	9.6	1.0	95.1	227.3	24.8	96.8	20.0	3.8	18.5	2.8	16.9	3.6	10.5	1.5	9.2	1.4	111.6	643.7	Clay		
RRMDD635	9.6	10.5	0.9	86.6	190.4	22.5	82.8	15.3	2.8	13.5	2.1	13.0	3.1	9.9	1.4	9.2	1.3	122.2	576.1	Clay		
RRMDD635	10.5	11.4	0.9	82.9	189.8	20.4	74.1	14.2	2.6	11.9	1.7	10.2	2.2	6.9	1.0	6.1	0.9	94.1	519.1	Upper Saprolite		
RRMDD635	11.4	12.2	0.9	73.9	168.3	18.1	63.9	12.7	2.4	10.2	1.5	8.4	1.6	4.6	0.7	4.3	0.6	48.6	419.7	Lower Saprolite		
RRMDD635	12.2	13.1	0.9	75.3	172.6	18.1	64.9	11.2	2.3	9.8	1.4	8.0	1.7	4.8	0.7	4.7	0.7	53.1	429.0	Lower Saprolite		
RRMDD635	13.1	13.9	0.8	81.9	190.4	19.6	69.9	12.0	2.5	10.2	1.3	7.6	1.4	3.5	0.5	3.5	0.5	42.5	447.4	Lower Saprolite		
RRMDD635	13.9	14.7	0.8	78.9	180.0	18.9	66.8	11.7	2.5	10.2	1.4	7.7	1.5	4.1	0.6	3.9	0.5	47.1	435.8	Lower Saprolite		
RRMDD635	14.7	15.5	0.8	94.2	218.7	22.2	76.4	13.0	2.5	10.5	1.4	7.9	1.5	4.1	0.6	3.9	0.6	49.3	506.8	Saprock		
RRMDD635	15.5	16.5	1.0	79.8	177.5	19.0	68.5	11.9	2.4	9.6	1.4	7.8	1.5	4.0	0.5	3.7	0.6	44.4	432.6	Saprock		
RRMDD635	16.5	17.5	1.0	67.6	152.9	16.5	57.9	10.5	2.2	8.0	1.3	7.2	1.4	4.0	0.6	3.6	0.5	42.7	376.7	Saprock		
RRMDD636	0.0	2.1	2.1	98.6	206.4	17.3	52.8	9.1	1.5	7.0	1.1	6.5	1.4	4.0	0.7	4.5	0.7	37.3	448.9	Hardcap	8.6	544
RRMDD636	2.1	4.1	2.1	114.9	477.8	25.5	84.2	14.5	2.3	11.1	1.7	9.9	1.9	5.7	0.9	6.1	0.9	54.6	812.1	Transition		
RRMDD636	4.1	5.0	0.9	73.1	130.2	19.5	70.7	14.1	2.7	12.7	1.9	10.4	2.0	5.8	0.8	5.6	0.8	63.5	413.8	Clay		
RRMDD636	5.0	5.9	0.9	82.8	172.6	22.0	84.4	17.9	3.8	17.1	2.6	14.7	3.0	8.2	1.2	7.2	1.0	87.9	526.5	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD636	5.9	6.8	0.9	74.9	161.5	20.3	77.8	15.5	3.1	14.9	2.3	13.0	2.8	8.4	1.2	7.4	1.1	98.4	502.7	Clay		
RRMDD636	6.8	7.7	0.9	93.2	191.0	23.3	82.9	13.9	3.0	12.6	1.9	11.5	2.4	6.9	1.0	5.9	1.0	83.8	534.3	Clay		
RRMDD636	7.7	8.5	0.8	75.9	152.3	17.9	62.9	11.3	2.5	10.2	1.5	8.1	1.7	5.0	0.7	4.6	0.7	65.3	420.5	Pallid		
RRMDD636	8.5	9.4	0.8	81.6	163.4	18.7	64.3	11.3	2.4	10.0	1.4	7.9	1.6	4.6	0.7	4.1	0.6	70.6	443.3	Pallid		
RRMDD636	9.4	10.1	0.8	74.4	160.3	18.1	67.4	11.6	2.4	10.4	1.5	8.9	1.8	5.5	0.8	5.4	0.8	74.5	443.7	Clay		
RRMDD636	10.1	10.9	0.8	106.3	227.9	25.1	92.8	15.5	2.9	12.8	1.8	9.9	1.9	5.1	0.7	4.3	0.6	58.7	566.3	Upper Saprolite		
RRMDD636	10.9	11.7	0.8	55.7	122.8	13.5	51.0	9.6	1.9	7.8	1.2	6.7	1.3	3.7	0.5	3.6	0.5	40.6	320.5	Lower Saprolite		
RRMDD636	11.7	12.6	0.8	78.3	169.5	18.5	67.9	12.1	2.4	10.3	1.4	8.6	1.7	4.9	0.7	4.8	0.7	53.3	435.2	Lower Saprolite		
RRMDD636	12.6	13.4	0.8	80.1	175.0	18.9	71.3	12.5	2.4	10.3	1.5	8.0	1.5	4.2	0.6	3.8	0.5	47.4	438.1	Lower Saprolite		
RRMDD636	13.4	14.2	0.8	76.0	167.7	18.1	68.4	11.7	2.3	9.7	1.4	7.9	1.5	4.5	0.6	4.2	0.6	47.1	421.6	Lower Saprolite		
RRMDD636	14.2	15.0	0.8	92.2	207.6	21.8	80.4	14.0	2.5	11.3	1.5	8.7	1.7	4.9	0.7	4.5	0.6	51.7	504.0	Lower Saprolite	10.9	460
RRMDD636	15.0	16.0	1.0	62.7	142.5	15.2	56.9	10.1	2.1	8.7	1.2	6.9	1.3	3.6	0.5	3.8	0.5	40.4	356.5	Saprock		
RRMDD636	16.0	17.1	1.0	60.8	137.0	14.7	55.6	9.8	1.9	8.3	1.2	6.7	1.3	3.6	0.6	3.7	0.5	42.4	348.2	Saprock		
RRMDD636	17.1	18.1	1.0	59.3	130.8	14.1	54.6	9.5	2.0	8.4	1.2	6.8	1.3	3.8	0.5	3.7	0.5	40.3	336.8	Saprock		
RRMDD637	0.0	1.6	1.6	79.5	380.8	15.6	50.0	9.0	1.5	7.6	1.3	7.3	1.5	4.3	0.7	4.5	0.7	42.8	607.1	Hardcap		
RRMDD637	1.6	3.3	1.6	160.1	584.7	33.8	105.2	17.0	2.9	12.6	2.0	11.3	2.2	6.1	1.0	6.8	1.0	55.7	1002.6	Hardcap		
RRMDD637	3.3	4.5	1.2	159.5	267.8	41.0	154.5	26.1	4.3	18.5	2.9	14.8	2.8	7.3	1.1	6.7	1.0	72.5	780.7	Clay		
RRMDD637	4.5	5.5	1.0	122.0	256.7	39.7	167.4	31.4	5.5	23.6	3.7	19.8	3.6	8.7	1.2	7.6	1.0	88.6	780.6	Clay		
RRMDD637	5.5	6.4	0.9	83.6	192.9	22.7	95.1	18.5	3.5	16.8	2.8	15.4	3.2	8.3	1.2	7.5	1.1	82.8	555.3	Clay		
RRMDD637	6.4	7.1	0.7	76.9	182.4	20.7	86.7	17.6	3.3	17.0	2.8	17.3	4.1	11.7	1.7	10.9	1.6	130.2	584.9	Clay		
RRMDD637	7.1	7.9	0.7	76.7	177.5	20.0	86.2	17.3	3.4	18.3	2.9	17.7	4.6	13.6	2.0	12.4	1.9	168.9	623.3	Clay		
RRMDD637	7.9	8.6	0.7	93.2	218.0	22.8	89.0	16.6	3.4	17.1	2.3	14.8	3.3	10.4	1.5	9.3	1.4	127.6	630.8	Clay		
RRMDD637	8.6	9.3	0.7	88.3	205.1	21.0	77.3	14.3	3.0	13.9	1.8	11.2	2.4	7.5	1.1	6.9	1.1	109.8	564.8	Clay		
RRMDD637	9.3	10.0	0.7	76.9	175.7	18.2	69.1	12.2	2.4	10.8	1.5	9.1	1.9	5.9	0.9	5.6	0.9	84.6	475.5	Clay		
RRMDD637	10.0	10.9	0.9	85.4	199.0	19.5	72.8	12.9	2.5	11.0	1.6	9.1	1.8	5.4	0.8	4.9	0.7	63.2	490.5	Clay		
RRMDD637	10.9	11.8	0.8	87.7	210.1	20.5	77.6	13.5	2.6	11.6	1.6	9.3	1.9	5.1	0.7	4.6	0.7	57.8	505.2	Clay		
RRMDD637	11.8	12.6	0.8	91.9	224.2	21.2	79.0	13.9	2.7	11.5	1.6	9.4	1.9	5.2	0.8	5.0	0.7	58.4	527.4	Clay		
RRMDD637	12.6	13.5	0.9	87.4	214.4	20.7	77.3	13.9	2.8	11.4	1.6	8.7	1.7	4.9	0.7	4.7	0.6	52.4	503.1	Upper Saprolite		
RRMDD637	13.5	14.6	1.1	83.6	197.2	19.2	69.8	12.0	2.2	9.4	1.3	7.0	1.3	3.5	0.5	3.5	0.5	36.8	447.7	Upper Saprolite	11.3	581
RRMDD637	14.6	15.5	0.9	93.7	224.8	21.6	81.1	14.6	2.9	12.3	1.7	10.2	2.1	6.1	0.9	5.6	0.8	66.5	544.9	Saprock		
RRMDD637	15.5	16.3	0.9	74.6	177.5	17.5	64.2	11.4	2.3	9.6	1.4	7.7	1.6	4.5	0.7	4.4	0.6	48.5	426.3	Saprock		
RRMDD637	16.3	17.2	0.8	71.7	183.6	17.8	60.0	11.8	2.2	8.3	1.3	7.0	1.4	3.9	0.6	3.4	0.5	38.9	412.2	Saprock		
RRMDD637	17.2	18.1	1.0	65.3	155.4	15.4	56.8	10.3	2.1	8.8	1.2	7.3	1.4	4.3	0.6	3.9	0.5	45.0	378.3	Saprock		
RRMDD637	18.1	19.1	1.0	62.7	154.2	15.5	53.4	10.6	2.0	7.9	1.2	6.3	1.2	3.4	0.5	3.3	0.5	35.4	358.3	Saprock		
RRMDD637	19.1	20.0	1.0	72.8	167.1	16.7	62.6	10.9	2.2	9.5	1.3	7.4	1.4	4.3	0.6	4.0	0.5	43.6	404.9	Saprock		
RRMDD637	20.0	21.0	1.0	52.0	120.5	12.4	44.7	8.1	1.6	6.9	1.0	5.6	1.1	3.2	0.5	2.9	0.5	33.1	294.1	Saprock		
RRMDD638	0.0	2.1	2.1	118.5	395.5	24.8	79.9	13.3	2.1	10.0	1.6	8.8	1.8	5.1	0.8	5.6	0.8	48.5	717.0	Hardcap		
RRMDD638	2.1	2.8	0.7	103.0	176.9	24.9	86.7	14.9	2.6	12.2	1.8	10.9	2.1	6.2	0.9	6.0	0.8	62.4	512.1	Mottled		
RRMDD638	2.8	3.5	0.7	95.5	157.8	23.4	81.8	14.3	2.5	11.9	1.8	10.8	2.1	6.4	0.9	6.1	0.9	62.7	478.8	Mottled		
RRMDD638	3.5	4.4	0.9	111.2	173.2	29.7	107.3	19.7	3.8	17.2	2.4	13.8	2.6	6.8	1.0	6.5	0.9	76.8	572.9	Mottled		
RRMDD638	4.4	5.3	0.9	103.8	191.0	30.3	115.6	22.4	4.7	21.6	3.1	16.8	3.2	8.2	1.2	7.7	1.1	92.2	622.7	Mottled		
RRMDD638	5.3	6.2	0.9	94.6	192.9	25.4	96.0	18.0	3.8	17.6	2.5	14.2	2.8	7.3	1.0	6.5	0.9	82.5	566.2	Mottled		
RRMDD638	6.2	7.2	1.0	67.6	149.9	18.3	71.2	13.3	2.8	13.1	2.0	12.4	2.8	8.0	1.2	7.8	1.1	100.8	472.2	Clay		
RRMDD638	7.2	8.0	0.8	82.9	180.6	22.0	84.9	14.7	3.0	15.2	2.3	15.0	3.9	12.0	1.8	11.8	1.8	172.1	624.0	Clay		
RRMDD638	8.0	8.8	0.8	95.7	199.6	22.1	81.5	15.0	2.8	12.9	1.9	11.4	2.5	7.8	1.1	6.8	1.1	124.6	586.9	Clay		
RRMDD638	8.8	9.5	0.8	67.6	149.3	16.6	58.9	10.8	2.2	9.1	1.4	7.9	1.5	4.3	0.6	4.1	0.6	52.7	387.4	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD638	9.5	10.4	0.9	80.9	176.3	19.2	67.8	12.0	2.4	10.4	1.4	8.3	1.7	4.6	0.7	4.9	0.7	55.5	446.8	Clay	11.9	501
RRMDD638	10.4	11.3	0.9	93.4	205.8	22.4	77.8	14.0	2.8	11.4	1.6	8.6	1.7	4.5	0.7	4.3	0.6	53.3	502.6	Clay		
RRMDD638	11.3	12.2	0.9	76.8	175.0	18.7	66.1	11.4	2.1	9.5	1.3	7.6	1.6	4.6	0.7	4.4	0.7	51.2	431.8	Clay		
RRMDD638	12.2	13.1	0.9	75.3	172.6	18.0	63.9	11.2	2.1	9.4	1.3	7.7	1.5	4.1	0.6	4.0	0.6	47.9	420.3	Clay		
RRMDD638	13.1	14.1	1.0	73.3	167.1	18.1	63.5	11.3	2.2	9.5	1.3	7.5	1.5	4.0	0.6	3.9	0.6	45.7	409.9	Lower Saprolite		
RRMDD638	14.1	14.9	0.9	72.2	154.8	16.3	60.7	11.6	2.4	9.6	1.4	7.9	1.5	4.5	0.6	3.8	0.6	47.1	395.0	Saprock		
RRMDD638	14.9	15.8	0.9	61.6	137.6	14.9	54.5	9.5	2.0	8.2	1.1	6.6	1.2	3.5	0.5	3.7	0.5	39.5	344.9	Saprock		
RRMDD638	15.8	16.6	0.8	78.0	173.8	18.5	65.1	11.3	2.1	10.1	1.4	7.8	1.6	4.3	0.6	3.8	0.6	49.0	427.8	Saprock		
RRMDD638	16.6	17.5	0.8	72.6	159.1	17.3	61.6	10.8	2.1	9.3	1.4	7.6	1.4	3.8	0.5	3.6	0.5	42.8	394.4	Saprock		
RRMDD638	17.5	18.3	0.9	62.7	137.0	15.1	53.1	10.0	2.1	8.4	1.2	6.9	1.3	3.8	0.5	3.7	0.6	41.1	347.5	Saprock		
RRMDD639	0.0	1.6	1.6	85.1	484.0	16.3	51.4	9.3	1.6	7.7	1.3	7.5	1.6	4.4	0.7	5.0	0.7	40.8	717.6	Hardcap	11.3	499
RRMDD639	1.6	3.2	1.6	103.9	587.2	18.5	56.5	9.6	1.6	7.2	1.2	7.0	1.4	4.2	0.7	4.7	0.7	37.1	841.4	Hardcap		
RRMDD639	3.2	4.7	1.6	116.5	593.3	24.6	82.8	13.6	2.2	10.6	1.6	9.4	1.9	5.3	0.8	5.8	0.9	53.6	922.9	Hardcap		
RRMDD639	4.7	5.7	1.0	101.8	498.7	22.2	75.3	12.6	2.2	10.0	1.6	8.8	1.8	5.1	0.8	5.6	0.8	51.2	798.6	Transition		
RRMDD639	5.7	6.6	0.9	133.1	200.8	32.9	119.6	20.3	3.4	14.2	2.2	11.1	2.2	5.8	0.8	4.9	0.7	61.8	613.8	Mottled		
RRMDD639	6.6	7.5	0.9	104.5	184.3	27.8	106.5	18.4	3.3	14.4	2.2	12.2	2.3	6.4	0.9	5.7	0.8	65.9	555.6	Clay		
RRMDD639	7.5	8.4	0.9	101.2	220.5	28.8	118.4	21.7	3.9	17.5	2.8	14.7	2.9	7.3	1.0	6.0	0.8	74.2	621.7	Clay		
RRMDD639	8.4	9.4	0.9	72.1	167.7	18.6	73.6	14.6	2.8	12.9	2.0	11.7	2.7	8.0	1.1	7.5	1.1	101.6	498.1	Clay		
RRMDD639	9.4	10.3	0.9	75.8	175.0	19.1	73.4	13.7	2.7	11.1	1.8	9.9	2.4	7.5	1.2	7.6	1.2	100.3	502.7	Clay		
RRMDD639	10.3	11.2	0.9	70.6	156.0	17.7	67.0	12.6	2.4	9.8	1.4	8.0	1.7	4.6	0.7	4.6	0.7	53.5	411.2	Clay		
RRMDD639	11.2	12.2	1.0	72.6	164.6	18.1	68.0	12.6	2.4	9.5	1.5	8.3	1.7	4.6	0.7	4.2	0.6	56.9	426.4	Clay		
RRMDD639	12.2	13.1	1.0	89.7	195.3	21.5	81.8	14.1	2.6	10.8	1.6	9.1	1.9	5.2	0.7	4.7	0.7	57.3	497.0	Upper Saprolite		
RRMDD639	13.1	14.1	1.0	67.0	148.0	16.4	61.0	11.1	2.2	8.7	1.3	7.2	1.5	3.9	0.6	3.7	0.5	43.6	376.7	Upper Saprolite		
RRMDD639	14.1	14.8	0.7	71.3	156.6	17.1	65.6	11.9	2.1	8.9	1.4	7.6	1.6	4.4	0.6	4.0	0.7	47.5	401.3	Upper Saprolite		
RRMDD639	14.8	15.4	0.7	90.7	201.5	21.8	79.7	13.1	2.5	10.5	1.5	8.5	1.8	4.9	0.7	4.5	0.6	52.6	494.8	Upper Saprolite		
RRMDD639	15.4	16.2	0.8	112.8	254.3	27.2	99.4	17.0	2.6	11.9	1.7	9.4	1.9	4.9	0.7	4.5	0.6	55.5	604.5	Lower Saprolite		
RRMDD639	16.2	17.0	0.8	84.6	195.3	20.6	74.1	13.9	2.6	11.5	1.7	9.0	1.8	5.5	0.7	5.0	0.7	53.6	480.4	Lower Saprolite		
RRMDD639	17.0	17.7	0.8	84.3	192.9	20.1	70.8	13.6	2.5	11.2	1.6	8.5	1.6	4.7	0.7	4.2	0.6	45.8	463.0	Saprock		
RRMDD639	17.7	18.5	0.8	65.8	149.9	15.9	56.7	11.1	2.2	9.0	1.3	7.2	1.4	4.2	0.6	3.9	0.6	40.5	370.2	Saprock		
RRMDD639	18.5	19.6	1.1	67.4	154.8	16.4	57.6	11.1	2.1	9.2	1.3	7.7	1.5	4.6	0.6	4.1	0.6	43.8	382.8	Saprock		
RRMDD639	19.6	20.8	1.1	69.4	157.8	17.0	60.3	11.3	2.0	9.0	1.4	7.7	1.5	4.6	0.7	4.2	0.6	45.7	393.3	Saprock		
RRMDD639	20.8	21.9	1.1	67.8	151.7	16.5	58.6	11.2	2.2	9.4	1.4	7.7	1.4	4.3	0.5	3.7	0.5	40.5	377.4	Saprock		
RRMDD640	0.0	1.5	1.5	74.6	519.6	15.3	50.6	9.6	1.7	7.9	1.3	7.7	1.5	4.6	0.7	5.0	0.8	38.7	739.5	Hardcap	7.7	525
RRMDD640	1.5	3.0	1.5	112.0	665.8	22.0	69.4	11.9	2.0	9.4	1.6	9.2	1.8	5.5	0.8	6.1	0.9	48.0	966.5	Hardcap		
RRMDD640	3.0	3.8	0.8	95.7	195.9	30.7	126.0	26.4	5.0	21.2	3.3	17.7	3.1	8.2	1.2	7.0	1.0	81.7	624.0	Mottled		
RRMDD640	3.8	4.7	0.8	90.8	194.1	26.9	108.2	24.0	4.5	20.9	3.2	16.8	3.0	7.9	1.1	6.5	0.9	75.9	584.7	Mottled		
RRMDD640	4.7	5.5	0.8	62.9	146.2	17.0	61.7	13.4	2.8	12.1	1.9	10.8	2.2	6.6	0.9	5.9	0.9	67.6	412.8	Mottled		
RRMDD640	5.5	6.4	0.9	89.1	192.9	23.1	83.4	17.6	3.6	17.1	2.7	16.0	3.4	8.9	1.3	7.9	1.1	96.9	565.0	Clay		
RRMDD640	6.4	7.3	0.9	99.2	213.1	25.3	92.4	17.7	3.7	18.7	2.8	16.8	3.5	10.1	1.4	8.3	1.2	100.4	614.8	Clay		
RRMDD640	7.3	8.1	0.8	78.3	175.0	19.9	72.4	13.5	2.8	12.6	2.0	11.6	2.6	8.5	1.3	8.2	1.3	109.3	519.5	Clay		
RRMDD640	8.1	9.0	0.8	62.3	137.6	16.1	59.8	11.0	2.2	10.4	1.5	9.7	2.3	7.3	1.1	7.3	1.2	106.3	436.0	Upper Saprolite		
RRMDD640	9.0	9.8	0.8	75.3	165.8	18.8	68.4	12.3	2.5	11.5	1.7	9.5	2.1	6.5	0.9	5.7	0.9	99.2	481.1	Upper Saprolite		
RRMDD640	9.8	10.7	0.9	88.2	194.1	21.1	75.1	13.5	2.7	11.6	1.6	8.6	1.6	4.7	0.7	4.1	0.6	51.3	479.4	Lower Saprolite		
RRMDD640	10.7	11.5	0.9	83.5	185.5	20.1	70.9	12.5	2.4	10.9	1.6	8.5	1.7	4.6	0.7	4.3	0.6	48.4	456.1	Saprock		
RRMDD640	11.5	12.4	0.9	86.8	195.3	20.8	72.6	13.2	2.4	10.9	1.6	8.2	1.6	4.3	0.6	4.1	0.6	46.2	469.1	Saprock		
RRMDD640	12.4	13.3	0.9	70.1	157.8	17.2	61.0	11.3	2.1	9.6	1.4	7.7	1.5	4.4	0.6	4.1	0.6	45.3	394.8	Saprock		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD640	13.3	14.1	0.9	71.5	160.9	17.4	61.6	11.4	2.3	9.9	1.5	8.0	1.5	4.2	0.6	3.9	0.6	44.3	399.6	Saprock		
RRMDD640	14.1	15.0	0.9	68.4	152.9	16.3	58.3	10.4	2.2	9.6	1.4	7.8	1.6	4.7	0.6	4.3	0.6	47.0	386.0	Saprock		
RRMDD641	0.0	2.0	2.0	150.7	230.3	31.8	107.4	19.5	3.2	16.7	2.6	15.5	3.2	8.9	1.4	8.5	1.3	96.3	697.2	Hardcap		
RRMDD641	2.0	4.1	2.0	92.4	452.1	20.2	68.2	12.4	2.2	10.1	1.6	9.8	2.0	5.6	0.9	5.7	0.8	52.3	736.1	Hardcap		
RRMDD641	4.1	6.1	2.0	123.1	492.6	25.7	83.0	14.7	2.5	11.2	1.9	11.0	2.2	6.2	1.0	6.5	1.0	56.4	839.0	Hardcap		
RRMDD641	6.1	6.8	0.7	172.4	328.0	47.8	181.4	31.2	5.6	28.5	4.2	24.9	5.0	13.9	2.0	12.4	1.8	163.2	1022.3	Mottled		
RRMDD641	6.8	7.6	0.7	99.0	188.6	22.4	75.3	13.1	2.6	13.5	2.0	11.9	2.4	6.5	1.0	6.1	0.9	66.5	511.9	Mottled		
RRMDD641	7.6	8.3	0.7	91.9	194.1	21.4	76.9	14.7	2.8	13.9	2.1	12.2	2.5	7.1	1.0	6.5	1.0	72.9	521.0	Clay		
RRMDD641	8.3	9.2	0.9	102.4	223.6	25.9	95.5	17.5	3.5	17.9	2.7	16.4	3.7	11.2	1.6	9.7	1.5	144.1	677.1	Clay		
RRMDD641	9.2	10.0	0.8	98.2	215.6	23.1	81.8	14.1	2.8	12.2	1.8	10.1	1.9	5.2	0.7	4.8	0.7	57.8	530.7	Lower Sapolite	3.9	651
RRMDD641	10.0	11.1	1.1	87.6	193.5	20.7	72.8	13.1	2.4	10.6	1.6	8.0	1.6	4.6	0.7	4.2	0.7	47.4	469.3	Saprock		
RRMDD641	11.1	12.3	1.1	66.6	148.0	15.6	57.7	11.1	2.0	9.0	1.3	7.3	1.4	4.2	0.6	3.6	0.6	43.7	372.8	Saprock		
RRMDD641	12.3	13.4	1.1	67.9	151.1	15.9	59.1	11.3	2.1	9.3	1.4	8.0	1.4	4.4	0.6	3.8	0.5	45.0	381.8	Saprock		
RRMDD641	13.4	14.5	1.1	60.8	133.9	14.3	52.1	10.0	2.0	8.4	1.2	6.9	1.3	3.9	0.6	3.6	0.5	40.1	339.7	Saprock		
RRMDD641	14.5	15.6	1.1	65.0	143.7	15.3	56.1	10.5	2.0	8.7	1.2	7.0	1.2	3.7	0.5	3.7	0.5	38.1	357.3	Saprock		
RRMDD641	15.6	16.7	1.1	70.8	157.8	17.0	63.3	11.8	2.3	9.6	1.3	7.4	1.3	4.0	0.6	3.5	0.5	40.9	392.2	Saprock		
RRMDD641	16.7	17.8	1.1	60.6	135.1	14.4	52.8	10.2	2.1	8.6	1.2	6.9	1.3	3.8	0.6	3.6	0.5	41.0	342.9	Saprock		
RRMDD642	0.0	1.8	1.8	75.9	158.5	15.9	53.1	9.6	1.7	8.4	1.4	8.0	1.7	4.8	0.8	5.0	0.8	46.6	392.1	Hardcap		
RRMDD642	1.8	3.6	1.8	80.5	382.0	17.0	55.4	10.3	1.9	8.4	1.4	8.4	1.7	4.8	0.8	5.5	0.8	40.3	619.1	Hardcap		
RRMDD642	3.6	5.5	1.8	141.3	667.0	26.5	80.1	14.5	2.4	10.9	1.9	10.5	2.1	6.1	0.9	6.9	1.0	51.8	1024.1	Hardcap		
RRMDD642	5.5	6.3	0.8	123.7	214.4	28.4	99.0	15.8	2.9	12.9	1.8	10.0	1.9	5.4	0.8	5.0	0.7	56.4	579.1	Mottled		
RRMDD642	6.3	7.1	0.8	89.3	186.7	21.1	79.8	14.7	3.0	13.9	2.0	11.6	2.4	7.2	1.1	6.7	1.0	82.9	523.3	Mottled		
RRMDD642	7.1	8.0	0.8	113.5	223.0	27.4	99.0	16.6	3.1	14.5	2.0	11.7	2.2	6.6	1.0	6.1	0.9	73.3	601.0	Clay		
RRMDD642	8.0	8.8	0.8	84.7	180.0	19.8	74.6	13.9	2.8	13.7	2.0	11.8	2.5	7.2	1.1	6.6	1.0	89.5	511.2	Clay		
RRMDD642	8.8	9.7	0.9	75.4	156.6	17.6	70.0	13.1	2.7	14.0	2.1	13.1	2.8	8.7	1.3	7.9	1.1	108.3	494.7	Clay		
RRMDD642	9.7	10.6	0.9	109.9	218.7	35.9	161.0	27.4	5.0	25.1	3.3	17.9	3.4	9.1	1.3	7.5	1.1	112.9	739.5	Clay		
RRMDD642	10.6	11.4	0.8	93.5	192.9	25.3	106.5	21.5	4.5	23.4	3.4	20.5	4.1	12.1	1.7	10.1	1.5	135.9	656.7	Clay		
RRMDD642	11.4	12.3	0.8	86.2	181.8	23.8	102.3	22.9	4.9	27.8	4.2	26.5	5.5	16.2	2.3	14.3	2.1	182.9	703.7	Upper Sapolite		
RRMDD642	12.3	13.1	0.8	85.3	179.3	23.8	104.2	23.3	5.5	33.4	5.4	35.7	8.2	25.4	3.6	22.5	3.4	313.7	872.7	Upper Sapolite		
RRMDD642	13.1	14.0	0.9	83.7	181.8	24.0	94.0	21.7	4.4	23.9	3.9	23.4	5.1	14.5	2.1	12.6	1.9	164.5	661.4	Upper Sapolite		
RRMDD642	14.0	14.9	0.9	83.0	178.1	22.8	88.6	19.3	3.9	19.9	3.2	18.4	3.7	10.5	1.5	8.6	1.3	123.4	586.3	Upper Sapolite		
RRMDD642	14.9	15.8	0.9	78.2	165.2	19.8	80.2	16.6	3.6	18.9	2.7	16.6	3.4	10.1	1.4	8.4	1.2	115.2	541.7	Upper Sapolite		
RRMDD642	15.8	16.7	0.9	91.9	194.7	22.2	87.4	16.9	3.4	18.4	2.6	15.0	3.0	8.5	1.2	7.0	1.0	100.7	574.1	Upper Sapolite		
RRMDD642	16.7	17.6	0.9	95.6	200.2	22.3	82.3	13.2	2.5	12.2	1.7	9.8	1.8	5.1	0.7	4.1	0.6	59.9	512.0	Upper Sapolite		
RRMDD642	17.6	18.4	0.9	98.9	192.9	22.0	76.5	13.6	2.5	12.2	1.7	9.3	1.8	4.4	0.6	3.3	0.5	49.9	489.9	Upper Sapolite		
RRMDD642	18.4	19.3	0.9	77.8	154.8	17.5	58.4	9.9	1.8	8.1	1.2	6.4	1.3	3.5	0.5	3.3	0.5	38.9	383.8	Upper Sapolite	13.9	588
RRMDD642	19.3	20.2	0.9	44.3	86.7	9.8	33.9	6.1	1.1	4.6	0.7	4.4	1.0	2.8	0.6	3.3	0.6	32.9	232.9	Upper Sapolite		
RRMDD642	20.2	20.9	0.7	27.2	45.5	5.6	19.0	3.9	0.9	3.6	0.6	3.9	0.9	2.6	0.4	2.6	0.5	27.9	145.2	Lower Sapolite		
RRMDD642	20.9	21.6	0.7	10.2	20.0	2.7	10.3	2.7	0.7	3.0	0.6	3.8	0.9	2.7	0.4	2.9	0.5	26.4	87.7	Lower Sapolite		
RRMDD642	21.6	22.3	0.7	10.7	19.3	2.9	10.7	2.7	0.8	2.9	0.5	3.4	0.8	2.5	0.4	2.7	0.4	22.9	83.6	Lower Sapolite		
RRMDD642	22.3	23.2	0.9	6.5	16.5	2.4	10.4	3.2	1.0	3.9	0.7	4.5	1.0	3.0	0.4	2.9	0.5	27.7	84.4	Saprock		
RRMDD642	23.2	24.1	0.9	4.2	11.2	1.7	7.8	2.6	0.8	3.5	0.6	4.2	0.9	2.7	0.4	2.5	0.4	26.5	70.1	Saprock		
RRMDD643	0.0	1.6	1.6	65.4	406.6	11.7	36.6	6.7	1.1	5.3	0.9	5.4	1.1	3.5	0.5	3.7	0.5	31.7	581.0	Hardcap		
RRMDD643	1.6	3.3	1.6	72.5	427.5	13.7	44.2	7.9	1.3	6.2	1.0	5.8	1.3	3.5	0.6	3.9	0.6	33.7	623.6	Hardcap		
RRMDD643	3.3	4.9	1.6	104.6	506.1	19.9	65.4	12.1	1.9	9.1	1.5	8.6	1.7	4.8	0.8	5.1	0.8	44.8	787.3	Hardcap		
RRMDD643	4.9	5.7	0.8	123.1	219.9	32.1	116.6	22.5	4.0	18.3	2.6	14.6	2.4	7.0	1.0	6.1	1.0	66.9	638.3	Clay		

Hole ID	From m	To m	Int. m	La ₂ O ₃ ppm	CeO ₂ 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	>200ppm TREO-CeO ₂ Interval	
																					Length (m)	TREO ppm
RRMDD643	5.7	6.5	0.8	98.0	217.4	25.4	103.5	20.5	4.0	18.8	2.8	15.3	2.5	7.0	0.9	5.5	0.8	61.7	584.0	Clay		
RRMDD643	6.5	7.5	1.0	130.8	307.1	35.5	149.3	29.1	5.5	32.4	4.7	31.4	6.3	19.3	2.8	17.1	2.5	193.0	966.9	Clay		
RRMDD643	7.5	8.5	1.0	121.4	297.3	35.8	151.6	30.1	5.4	31.8	4.8	32.1	7.0	21.9	3.1	18.6	2.8	238.1	1001.8	Clay		
RRMDD643	8.5	9.5	1.0	115.5	261.6	30.7	124.8	23.9	4.6	27.7	4.2	29.7	7.1	23.8	3.5	21.0	3.3	307.3	988.6	Clay		
RRMDD643	9.5	10.4	1.0	79.0	178.7	19.9	79.3	14.1	2.7	13.0	1.8	11.6	2.6	8.8	1.2	7.3	1.2	140.3	561.8	Clay		
RRMDD643	10.4	11.0	0.6	96.5	222.3	23.1	84.4	15.5	2.9	12.1	1.7	9.4	1.7	5.0	0.7	4.4	0.7	58.5	539.1	Upper Saprolite		
RRMDD643	11.0	11.7	0.6	84.9	189.8	19.9	72.3	12.5	2.4	10.1	1.4	8.3	1.6	4.8	0.7	4.5	0.7	49.1	463.1	Upper Saprolite		
RRMDD643	11.7	12.6	0.9	76.6	176.3	18.2	67.7	12.6	2.4	9.5	1.3	7.4	1.5	3.9	0.6	4.0	0.6	44.8	427.1	Lower Saprolite	7.7	710
RRMDD643	12.6	13.5	0.9	72.4	171.4	17.3	63.3	11.7	2.2	8.6	1.2	6.7	1.3	3.5	0.5	3.7	0.5	39.5	403.8	Saprock		
RRMDD643	13.5	14.4	0.9	70.5	162.8	17.0	62.6	11.5	2.2	8.4	1.3	7.4	1.5	4.4	0.6	4.6	0.6	47.5	402.8	Saprock		
RRMDD643	14.4	15.1	0.7	115.6	276.4	27.1	96.6	16.4	2.8	11.6	1.6	8.1	1.4	3.6	0.5	3.8	0.5	37.8	603.9	Saprock		
RRMDD643	15.1	15.9	0.7	84.6	197.8	20.5	74.1	13.7	2.4	9.7	1.5	8.5	1.7	4.6	0.7	4.8	0.7	51.7	476.7	Saprock		
RRMDD643	15.9	16.8	0.9	170.1	234.0	41.0	148.7	24.5	4.4	15.9	2.4	13.0	2.4	6.2	0.9	6.4	0.9	66.0	736.8	Saprock		
RRMDD644	0.0	1.3	1.3	118.5	597.0	23.9	79.1	13.9	2.4	11.0	1.8	10.3	2.1	6.2	0.9	6.3	0.9	58.7	932.9	Transition		
RRMDD644	1.3	2.7	1.3	120.2	371.0	24.3	79.8	13.9	2.3	11.1	1.7	10.2	2.1	6.1	0.9	6.1	0.9	59.8	710.4	Transition		
RRMDD644	2.7	3.7	1.0	78.2	183.0	18.9	69.5	12.0	2.3	9.2	1.3	7.3	1.3	3.8	0.6	4.0	0.6	39.2	431.2	Pallid		
RRMDD644	3.7	4.7	1.0	99.9	143.1	24.3	91.6	16.9	3.2	13.4	2.0	11.0	2.2	5.8	0.9	6.1	0.9	60.7	482.0	Pallid		
RRMDD644	4.7	5.8	1.1	93.2	167.7	24.0	91.8	18.1	3.5	15.3	2.4	13.3	2.5	6.4	0.9	6.4	0.9	68.6	514.9	Pallid		
RRMDD644	5.8	6.9	1.1	99.7	207.6	24.3	91.3	18.4	3.5	15.2	2.4	13.6	2.6	6.7	1.0	6.8	0.9	73.9	568.0	Pallid		
RRMDD644	6.9	8.0	1.1	86.7	193.5	22.8	90.9	18.4	3.7	17.6	2.9	18.7	4.5	13.4	2.0	14.2	2.0	154.9	646.2	Pallid		
RRMDD644	8.0	9.1	1.1	69.9	159.1	18.3	72.7	14.0	2.7	12.9	2.1	13.7	3.6	10.9	1.7	11.4	1.8	176.5	571.1	Clay		
RRMDD644	9.1	10.1	1.0	66.0	148.0	15.9	59.8	11.4	2.3	8.9	1.3	7.2	1.4	3.8	0.6	4.0	0.6	41.4	372.6	Lower Saprolite		
RRMDD644	10.1	10.8	0.7	62.4	138.8	15.3	57.0	10.6	2.2	8.1	1.3	7.0	1.5	4.2	0.6	4.2	0.6	43.2	356.9	Lower Saprolite	8.1	501
RRMDD644	10.8	11.5	0.7	62.0	138.2	14.8	55.1	10.5	1.9	7.8	1.3	7.6	1.6	4.6	0.7	4.8	0.7	49.5	361.1	Saprock		
RRMDD644	11.5	12.7	1.2	59.1	130.2	14.2	52.4	10.1	1.9	7.6	1.2	6.8	1.4	4.1	0.6	4.4	0.6	43.2	337.7	Saprock		
RRMDD644	12.7	13.8	1.2	60.6	135.7	14.6	53.8	10.4	2.0	7.8	1.2	6.7	1.3	3.6	0.5	3.6	0.5	38.7	341.0	Saprock		
RRMDD645	0.0	2.0	2.0	77.4	234.0	15.9	52.5	9.6	1.6	7.6	1.3	7.5	1.6	4.5	0.7	4.8	0.7	42.4	462.2	Hardcap		
RRMDD645	2.0	4.0	2.0	124.3	422.6	24.5	79.4	13.9	2.4	11.2	1.8	10.8	2.1	6.1	1.0	6.5	1.0	55.2	762.9	Hardcap		
RRMDD645	4.0	5.0	1.0	105.1	191.6	26.7	96.3	18.3	3.4	14.8	2.2	12.5	2.2	6.4	1.0	6.4	0.9	57.4	545.1	Hardcap		
RRMDD645	5.0	5.9	1.0	79.5	168.3	21.3	84.4	17.6	3.5	16.5	2.5	14.2	2.5	7.7	1.1	6.7	1.0	72.8	499.4	Clay		
RRMDD645	5.9	6.9	1.0	83.9	189.2	23.0	96.3	20.4	4.1	19.8	2.9	17.5	3.3	9.4	1.3	7.9	1.3	95.1	575.4	Clay		
RRMDD645	6.9	7.9	1.0	64.4	151.7	16.8	65.0	11.5	2.4	11.3	1.6	10.2	2.3	7.8	1.1	6.3	1.0	121.1	474.5	Clay		
RRMDD645	7.9	8.8	0.9	66.1	148.6	18.1	76.2	13.9	2.8	14.4	2.1	13.9	3.1	9.8	1.4	8.3	1.3	126.7	507.0	Clay		
RRMDD645	8.8	9.8	0.9	74.2	164.0	19.8	81.1	16.0	3.1	16.3	2.3	13.9	2.8	8.1	1.1	6.9	1.1	84.8	495.6	Clay		
RRMDD645	9.8	10.7	0.9	60.8	140.0	14.7	55.2	11.0	2.1	8.5	1.3	7.6	1.4	4.2	0.7	4.0	0.6	56.8	368.9	Clay		
RRMDD645	10.7	11.6	0.9	68.8	162.1	16.7	61.4	11.4	2.2	9.1	1.3	7.6	1.4	4.3	0.6	3.7	0.5	43.9	395.2	Upper Saprolite		
RRMDD645	11.6	12.6	0.9	76.0	173.2	18.0	67.4	12.6	2.5	10.6	1.4	8.4	1.5	4.4	0.7	3.9	0.6	47.2	428.6	Upper Saprolite		
RRMDD645	12.6	13.5	0.9	67.3	156.0	16.1	59.1	11.0	2.2	9.1	1.3	7.2	1.4	4.2	0.6	3.7	0.6	39.7	379.4	Lower Saprolite		
RRMDD645	13.5	14.5	1.0	63.8	155.4	15.9	58.8	10.8	2.2	9.1	1.3	7.7	1.4	4.3	0.6	3.7	0.6	45.0	380.7	Lower Saprolite		
RRMDD645	14.5	15.5	1.0	66.7	159.1	16.4	60.1	11.4	2.2	8.9	1.3	6.6	1.2	3.3	0.5	3.3	0.5	33.4	374.7	Lower Saprolite	10.5	443
RRMDD645	15.5	16.5	1.0	60.5	138.8	14.6	53.5	10.2	2.0	8.3	1.2	7.1	1.4	4.0	0.6	3.9	0.6	41.5	348.1	Saprock		
RRMDD645	16.5	17.3	0.8	65.8	153.6	15.6	58.0	10.8	2.1	8.7	1.2	6.8	1.3	3.9	0.5	3.5	0.5	38.9	371.1	Saprock		
RRMDD645	17.3	18.0	0.8	63.9	146.8	15.3	56.1	10.8	2.0	8.3	1.2	6.8	1.2	3.7	0.5	3.3	0.5	38.1	358.6	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"> Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling. Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used. Aspects of the determination of mineralisation that are Material to the Public Report. In cases where ‘industry standard’ work has been done this would be relatively simple (eg ‘reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay’). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information. 	<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"> 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). 	<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"> Method of recording and assessing core and chip sample recoveries and results assessed. Measures taken to maximise sample recovery and ensure representative nature of the samples. Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to 	<p>Diamond Drilling</p> <p>Core recovery was calculated by measuring actual core length versus drillers core run lengths. Core recovery ranged from 25% to 100% and averaged 95.6%. Core loss is most common in the hardcap and transition regolith types which are not reported as resource or in exploration results.</p>

Criteria	JORC Code explanation	Commentary
	<i>preferential loss/gain of fine/coarse material.</i>	No relationship exists between core recovery and grade.
Logging	<ul style="list-style-type: none"> • <i>Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.</i> • <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>All (100%) drill core has been geologically logged and core photographs taken.</p> <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 ¼ core primary sample into 2 identical portions. Duplicate samples were allocated separate sample numbers and submitted with the same analytical batch as the primary sample.</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</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>

Criteria	JORC Code explanation	Commentary																																																				
	<p><i>analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.</i></p> <ul style="list-style-type: none"> <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> 	<table border="1" data-bbox="1108 263 1966 826"> <thead> <tr> <th>ALS Code</th> <th>Description</th> </tr> </thead> <tbody> <tr> <td>WEI-21</td> <td>Received sample weight</td> </tr> <tr> <td>LOG-22</td> <td>Sample Login w/o Barcode</td> </tr> <tr> <td>DRY-21</td> <td>High temperature drying</td> </tr> <tr> <td>CRU-21</td> <td>Crush entire sample</td> </tr> <tr> <td>CRU-31</td> <td>Fine crushing – 70% <2mm</td> </tr> <tr> <td>SPL-22Y</td> <td>Split sample – Boyd Rotary Splitter</td> </tr> <tr> <td>PUL-31h</td> <td>Pulverise 750g to 85% passing 75 micron</td> </tr> <tr> <td>CRU-QC</td> <td>Crushing QC Test</td> </tr> <tr> <td>PUL-QC</td> <td>Pulverising QC test</td> </tr> </tbody> </table> <p data-bbox="1108 874 2128 970">The assay technique used for REE was Lithium Borate Fusion ICP-MS (ALS code ME-MS81). This is a recognised industry standard analysis technique for REE suite and associated elements. Elements analysed at ppm levels:</p> <table border="1" data-bbox="1294 986 1944 1189"> <tbody> <tr> <td>Ba</td><td>Ce</td><td>Cr</td><td>Cs</td><td>Dy</td><td>Er</td><td>Eu</td><td>Ga</td> </tr> <tr> <td>Gd</td><td>Hf</td><td>Ho</td><td>La</td><td>Lu</td><td>Nb</td><td>Nd</td><td>Pr</td> </tr> <tr> <td>Rb</td><td>Sm</td><td>Sn</td><td>Sr</td><td>Ta</td><td>Tb</td><td>Th</td><td>Tm</td> </tr> <tr> <td>U</td><td>V</td><td>W</td><td>Y</td><td>Yb</td><td>Zr</td><td></td><td></td> </tr> </tbody> </table> <p data-bbox="1108 1241 2128 1305">Analysis for scandium (Sc) was by Lithium Borate Fusion ICP-AES (ALS code Sc-ICP06).</p>	ALS Code	Description	WEI-21	Received sample weight	LOG-22	Sample Login w/o Barcode	DRY-21	High temperature drying	CRU-21	Crush entire sample	CRU-31	Fine crushing – 70% <2mm	SPL-22Y	Split sample – Boyd Rotary Splitter	PUL-31h	Pulverise 750g to 85% passing 75 micron	CRU-QC	Crushing QC Test	PUL-QC	Pulverising QC test	Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga	Gd	Hf	Ho	La	Lu	Nb	Nd	Pr	Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm	U	V	W	Y	Yb	Zr		
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PUL-31h	Pulverise 750g to 85% passing 75 micron																																																					
CRU-QC	Crushing QC Test																																																					
PUL-QC	Pulverising QC test																																																					
Ba	Ce	Cr	Cs	Dy	Er	Eu	Ga																																															
Gd	Hf	Ho	La	Lu	Nb	Nd	Pr																																															
Rb	Sm	Sn	Sr	Ta	Tb	Th	Tm																																															
U	V	W	Y	Yb	Zr																																																	

Criteria	JORC Code explanation	Commentary
		<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 CRM AMIS0275 and AMIS0276 and a specific Makuutu CRM MUIACREI01 were included in sample batches at a ratio of 1:25 to drill samples submitted. This is an acceptable ratio. <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 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>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 Field duplicate sampling was conducted at a ratio of 1:25 samples. Duplicates were created by lengthways halving the ¼ core primary sample into 2 identical portions. Duplicate samples were allocated separate sample numbers and submitted with the same analytical batch as the primary sample. Variability between duplicate results is considered acceptable and no sampling bias is evident. <p>Laboratory inserted standards, blanks and duplicates were analysed as per industry standard practice. There is no evidence of bias from these results.</p>
<p>Verification of sampling and assaying</p>	<ul style="list-style-type: none"> <i>The verification of significant intersections by either independent or alternative company personnel.</i> <i>The use of twinned holes.</i> <i>Documentation of primary data, data entry procedures, data</i> 	<p>No independent verification of significant intersection undertaken.</p> <p>No twinning of diamond core drill holes was undertaken.</p>

Criteria	JORC Code explanation	Commentary																											
	<p><i>verification, data storage (physical and electronic) protocols.</i></p> <ul style="list-style-type: none"> <i>Discuss any adjustment to assay data.</i> 	<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 into 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> <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" data-bbox="1294 1023 1951 1347"> <thead> <tr> <th>Element ppm</th> <th>Conversion Factor</th> <th>Oxide Form</th> </tr> </thead> <tbody> <tr> <td>Ce</td> <td>1.2284</td> <td>CeO₂</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> </tbody> </table>	Element ppm	Conversion Factor	Oxide Form	Ce	1.2284	CeO ₂	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
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Nd	1.1664	Nd ₂ O ₃
Pr	1.2082	Pr ₆ O ₁₁
Sm	1.1596	Sm ₂ O ₃
Tb	1.1762	Tb ₄ O ₇
Tm	1.1421	Tm ₂ O ₃
Y	1.2699	Y ₂ O ₃
Yb	1.1387	Yb ₂ O ₃
Sc	1.5338	Sc ₂ O ₃

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:

Note that Y₂O₃ is included in the TREO, HREO and CREO calculation.

TREO (Total Rare Earth Oxide) = La₂O₃ + CeO₂ + Pr₆O₁₁ + Nd₂O₃ + Sm₂O₃ + Eu₂O₃ + Gd₂O₃ + Tb₄O₇ + Dy₂O₃ + Ho₂O₃ + Er₂O₃ + Tm₂O₃ + Yb₂O₃ + Y₂O₃ + Lu₂O₃.

HREO (Heavy Rare Earth Oxide) = Sm₂O₃ + Eu₂O₃ + Gd₂O₃ + Tb₄O₇ + Dy₂O₃ + Ho₂O₃ + Er₂O₃ + Tm₂O₃ + Yb₂O₃, + Y₂O₃ + Lu₂O₃

CREO (Critical Rare Earth Oxide) = Nd₂O₃ + Eu₂O₃ + Tb₄O₇ + Dy₂O₃ + Y₂O₃

(From U.S. Department of Energy, Critical Materials Strategy, December 2011)

LREO (Light Rare Earth Oxide) = La₂O₃ + CeO₂ + Pr₆O₁₁ + Nd₂O₃

NdPr = Nd₂O₃ + Pr₆O₁₁

HREO% of TREO = HREO/TREO x 100

In elemental form the classifications are:

Note that Y is included in the TREE, HREE and CREE calculation.

TREE: La+Ce+Pr+Nd+Sm+Eu+Gd+Tb+Dy+Ho+Er+Tm+Yb+Lu+Y

HREE: Sm+Eu+Gd+Tb+Dy+Ho+Er+Tm+Yb+Y+Lu

CREE: Nd+Eu+Tb+Dy+Y

Criteria	JORC Code explanation	Commentary
		LREE: La+Ce+Pr+Nd
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 by professional surveyors using DGPS. The general accuracy for x,y and z is $\pm 0.5\text{m}$.</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 200m x 200m 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 geological structure	<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. • 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. 	<p>The Makuutu mineralisation is interpreted to be in a flat lying weathered profile including cover soil, lateritic caprock, clays transitioning to saprolite and saprock. Below the saprock are fresh shales, siltstones and mudstones. Pit mapping and diamond drilling indicate the mineralised regolith to be generally horizontal</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"> • The measures taken to ensure sample security. 	<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>

Criteria	JORC Code explanation	Commentary
Audits or reviews	<ul style="list-style-type: none"> The results of any audits or reviews of sampling techniques and data. 	No audits or reviews have been undertaken

Section 2 Reporting of Exploration Results

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

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	<ul style="list-style-type: none"> Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings. The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area. 	<p>The Makuutu Project is located in the Republic of Uganda. The mineral tenements comprise two (3) granted Retention Licences (RL1693, RL00007 and RL00234), three (3) Exploration Licences (EL00147, EL00148 and EL00257)</p> <p>All granted 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. IonicRE currently has earned a 51% shareholding in RRM and may increase its shareholding to 60% by meeting further commitments as follows:</p> <ol style="list-style-type: none"> 1. IonicRE to fund to completion of a Bankable Feasibility Study (BFS) to earn an additional 9% interest for a cumulative 60% interest in RRM. 2. Milestone payments, payable in cash or IonicRE shares at the election of the Vendor, as follows: <ol style="list-style-type: none"> a. US\$375,000 on production of 10 kg of mixed rare-earth product from pilot or demonstration plant activities; and b. US\$375,000 on conversion of existing licences to mining licences. <p>At any time should IonicRE 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 IonicRE and reclaim all interest earned by IonicRE.</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>

Criteria	JORC Code explanation	Commentary
		<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 anomalism 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 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"> • <i>Deposit type, geological setting and style of mineralisation.</i> 	<p>The Makuutu 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>

Criteria	JORC Code explanation	Commentary
		<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"> • <i>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:</i> <ul style="list-style-type: none"> ○ <i>easting and northing of the drill hole collar</i> ○ <i>elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar</i> ○ <i>dip and azimuth of the hole</i> ○ <i>down hole length and interception depth</i> ○ <i>hole length.</i> • <i>If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.</i> 	<p>The material information for drill holes relating to this announcement are contained in Table 3.</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</i> 	<p>A lower cut-off of 200 ppm TREO-CeO₂ 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>

Criteria	JORC Code explanation	Commentary
	<p><i>some typical examples of such aggregations should be shown in detail.</i></p> <ul style="list-style-type: none"> <i>The assumptions used for any reporting of metal equivalent values should be clearly stated.</i> 	
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> 	Refer to diagrams in body of text.
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> 	This report contains all drilling results that are consistent with the JORC guidelines. Where data may have been excluded, it is considered not material.
Other substantive exploration data	<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 characteristics; potential deleterious or contaminating substances.</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> <p>In 2017, 2 pit samples were sent to SGS Laboratory Toronto for leachability tests.</p> <p>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.</p>

Criteria	JORC Code explanation	Commentary
		<p>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.</p> <p>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%.</p> <p>2020: Testing of composite samples with lower extractions from the 2019 variation testing using increasing rates of acid addition and leach time. Significant increases in extractions were achieved.</p> <p>2020: Testing of composited samples from two exploration holes east of the Makuutu Central Zone provided an average extraction of TREE-Ce recovery of 41% @ pH1</p> <p>Testing of samples from the project is ongoing.</p>
<p>Further work</p>	<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>