Soil Sampling Uncovers 4km Anomaly; New Nb-Ta Bearing Outcrop Discovered Equador North

First Batch Equador Soil Sampling Program Defines 4km Strike Anomaly, New Mineralised Pegmatite Discovered in Equador North

HIGHLIGHTS

- **4km+ geochemical anomaly identified at Equador, confirming modelled "Fractionated Pegmatite Corridor"**
- **New mineralised pegmatite zone discovered at Equador North, with visible columbite–tantalite mineralisation over 700m strike**
- **Widespread multi-element anomalism (Sr, Cs, Be, W, Ta, Nb, Li, REEs + Y) confirms potential for LCT–NYF hybrid pegmatites**
- **Second batch of assays en route to Intertek (WA); results to define next-stage drill targets and program**
- **400kg metallurgical sample collected for Phase 2 testing, building on prior positive outcome**
- **Managing Director Dr Matthew Cobb on-site in Brazil, overseeing fieldwork and advancing exploration across tenements**

Summit Minerals Limited (ASX:SUM) ("Summit" or the "Company") is pleased to provide an update on the soil sampling programs at the Company's Brazilian projects.

Since joining the Company in March 2025, Managing Director Dr Matthew Cobb has conducted an ongoing review of Summit's projects including the soil sampling campaign that was initiated over the Equador, Barra and Juazerinho projects, to improve target generation. Despite challenging terrain, Summit's in-country team have worked consistently to comprehensively sample the accessible parts of Equador Project, and the results from the first batch of samples from this program has been received from Intertek Laboratories in Perth. The second batch of samples from Equador is in transit, and is expected to be received shortly.

Initial results of the Equador soils program have shown highly encouraging results, with coincident anomalism within the most common pathfinder elements for fractionated pegmatites of the types to host niobium, tantalum (and lithium) (Figures 1 and 2). Full geochemical results are shown in Appendix A.

These results also indicated that the potential "Fractionated Pegmatite Corridor" (*Refer ASX announcement dated 5th May 2025*) is broader than originally thought, and encompasses the entirety of the southern portion of the Equador Project, with coincident anomalism in REE (+Y), Li, Sr, Ta, W, Be, Cs and Nb. These initial results also defined a previously unrecognised anomaly in the far northwest of the project that shall be the target of more detailed examination.

Having completed sampling at Equador as at the time of this announcement, the team have now moved to the Equador North Project, where an exciting new discovery of broad outcropping pegmatitie zones with significant evidence of Nb and Ta mineralisation have been discovered.

Summit's Managing Director Dr Matthew Cobb commented:

"The results from the first batch of soil samples have shown some exciting results, with geochemical anomalism that suggest the existence of hybrid NYF-LCT pegmatites. The spatial extent of anomalism is also highly encouraging; showing that the 'Fractionated Pegmatite Corridor' model proposed in May this year is valid, and that the target area extends beyond that previously thought. The extra information from the results of batch 2 will be integrated into the current work to further define areas of interest for follow up.

In addition to this – to have discovered new pegmatite outcrop in the Equador North project, with some quite spectacular columbite and tantalite exposure is very exciting indeed, and I look forward to testing this area further."

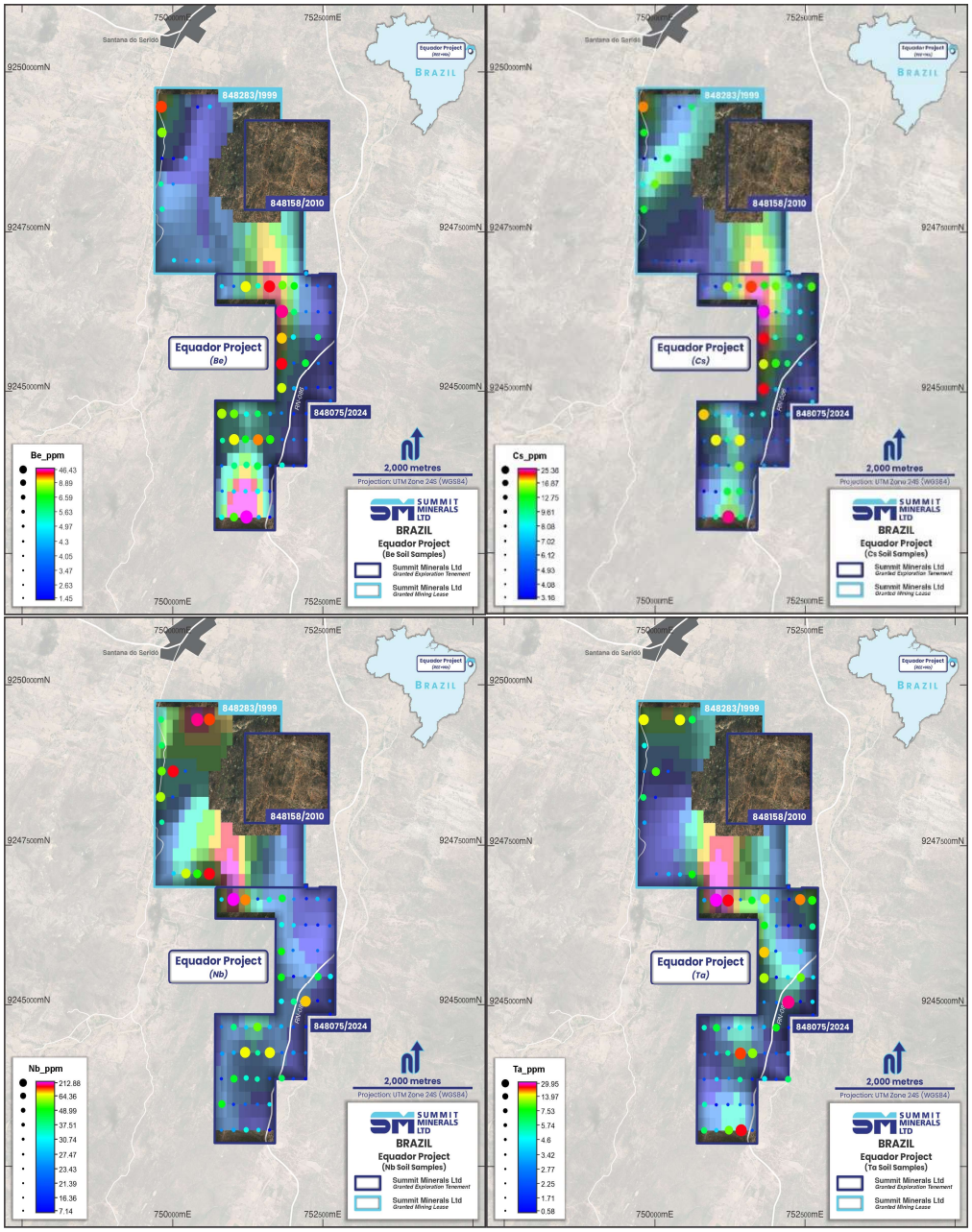

Figure 1: *Soil Geochemistry Results – Equador Project*

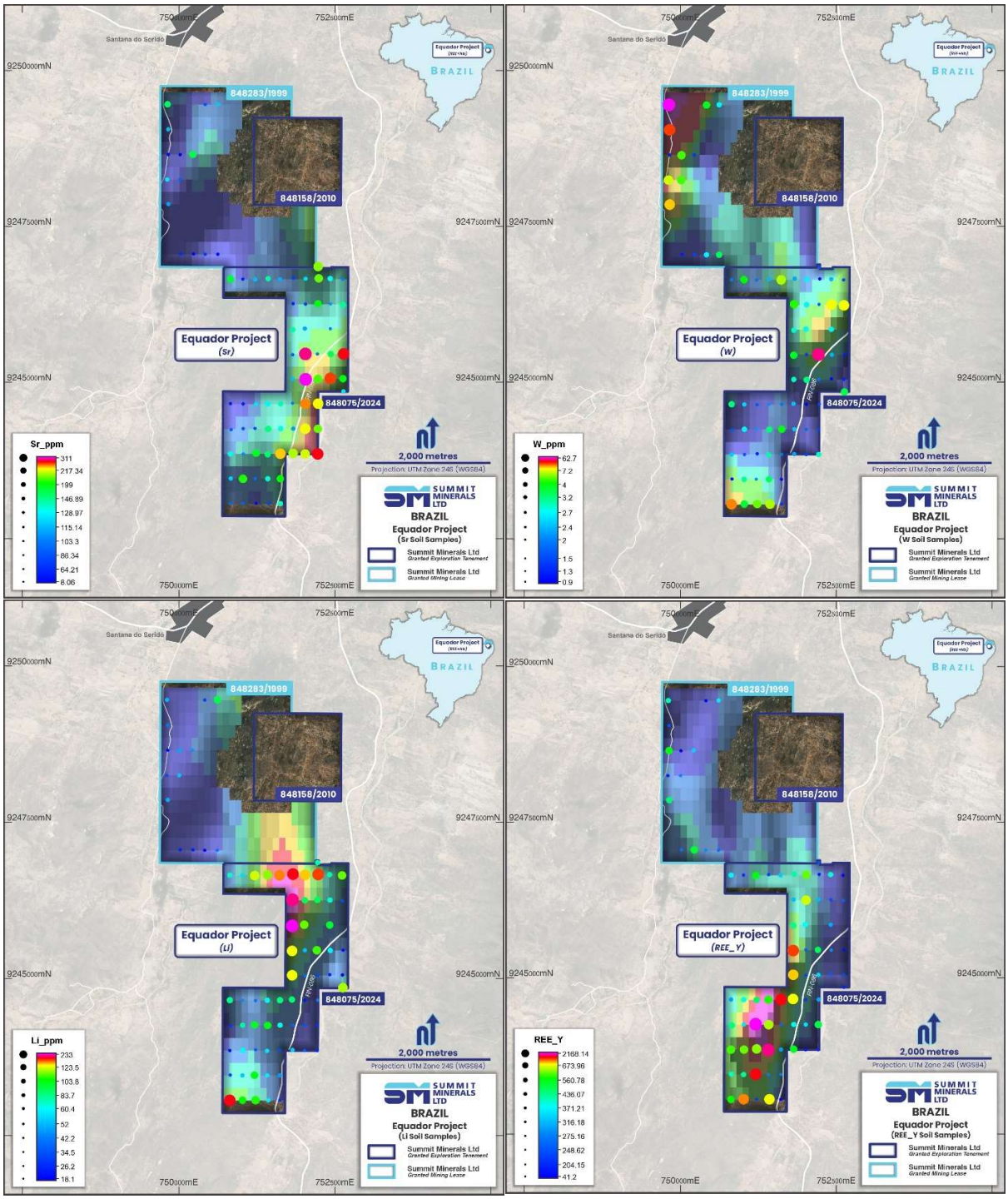

Figure 2: *Soil Geochemistry Results, Equador Project*

Exciting New Mineralised Outcrop Identified

During the current trip, Dr Cobb has also been overseeing the extension of the target generating surface geochemistry program, and along with the in-country team, has identified an exciting new area of outcrop with evidence of Nb-Ta mineralisation in the Equador North tenement (Figure 4) situated approximately 9km northeast of Equador.

Pegmatite outcrop can be traced over 700 metres in strike length, and is observed to be up to 40 metres wide in places. Significant artisanal mining activity is evident, and the walls of the remnant pits are host to large masses comprising a combination of garnet, feldspars, quartz and columbite / tantalite (Figure 3, Table 1).

Table 1: *Visually estimated abundance of columbite in Equador North Grab Sample*

Sample	Mineralisation Description
Equador North Grab Sample	Fine to medium grained melange of quartz, feldspar, garnet and columbite / tantalite (estimated proportion 60%)

Figure 3: *Summit's Brazilian geologist – Marcel Mota Reikdal with a large mass of Columbite / Tantalite, Garnet and Feldspar from artisanal workings at Equador North*

Cautionary Statement: In relation to the disclosure of visual observations of mineralisation, the Company cautions that visual estimates of columbite / tantalite should never be considered a proxy or substitute for laboratory analysis. Detailed assay analyses are required to validate the proportions of mineralisation in a sample. The Company will update the market with this information when it becomes available.

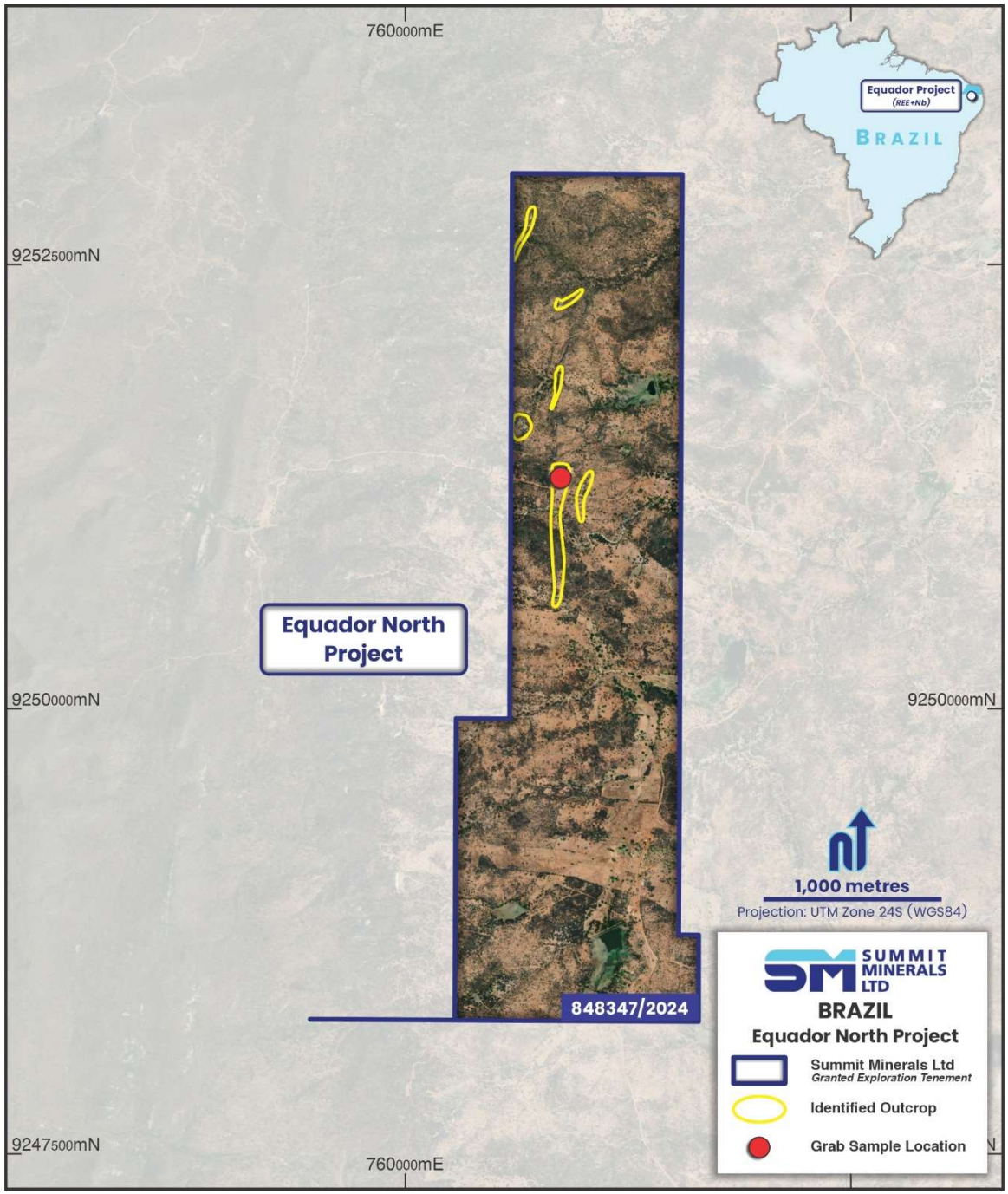

***Figure 4**: Equador North where large pegmatite outcrop has been recorded, from which large amorphous masses of combined columbite / tantalite, garnet and feldspar have been recovered.*

On this latest visit, Dr Cobb has also overseen the establishment of a sampling protocol for Phase-Two metallurgical test work at Equador Project, following on from the highly successful outcomes of Phase one testing (*Refer ASX announcement dated 25th June 2025*), with approximately 400kg of sample to be sent to IMO Laboratories for analysis.

Other Projects

Managing Director Dr Matthew Cobb has also completed site visits to the Company's Minas Gerais tenements, to establish preliminary work programs for these projects (Hercules North and South, T1-T2 and Aratapira). Site visits and access enquiries with surface rights owners have been productive, and it is likely that preliminary geochemistry, in the form of soil and stream sediment sampling will be planned for later in 2025.

The Company looks forward to keeping shareholders updated as work progresses.

This announcement has been approved by the Board of Directors.

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Competent Person Statement

The information in this report that relates to Soil Sampling Exploration Results is based on information compiled and reviewed by Dr Matthew Cobb, a Competent Person who is a member of the Australian Institute of Geoscientists (MAIG #5486) and a Fellow of the AusIMM (FAusIMM #3147286). Dr Cobb has sufficient experience relevant to the style of mineralization and type of deposit under consideration to qualify as a Competent Person as defined in the Australasian Code for Reporting of Exploration Results Mineral Resources and Ore Reserves (The JORC Code) 2012 Edition. Dr Cobb is a full-time employee of the Company and has performance incentives associated with the successful development of the Company's projects. Dr Cobb consents to the inclusion in this announcement of the matters based on the exploration results in the form and context in which they appear.

About Summit Minerals Limited

Summit Minerals Limited is an Australian-focused ASX-listed battery and critical minerals exploration Company with a portfolio of projects in demand-driven commodities. It is focused on systematically exploring and developing its projects to delineate multiple JORC-compliant resources.

Summit's projects include the niobium-tantalum, REE and lithium projects in Brazil. Through focus, diligence and execution, the board of Summit Minerals is determined to unlock previously unrealised value in our projects.

Appendix A – Soil Sampling Completed Results

			Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga
"SUMEQSS"	East	North	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
0001	751621	9243053	X	67404	0.8	498.5	2.29	0.78	10576	0.08	50.38	10	55	5.07	10.5	1.89	0.91	1.25	2.73	14.95
0002	751437	9243054	X	91770	X	1037.5	4.3	0.92	4129	0.05	290.45	12.2	110	10.1	12.6	7.19	2.05	3.62	3.6	25.81
0003	751232	9243056	X	118849	0.7	436	46.43	66.79	2390	0.06	97.82	11.9	91	22.02	29.9	3.13	1.06	1.46	4.33	34.51
0004	751023	9243055	0.09	102972	X	1017.8	6.89	0.87	6280	0.07	373.4	11.6	83	9.57	29.2	7.88	1.95	3.79	3.35	32.15
0005	750819	9243052	X	103947	X	887.3	5.17	0.39	11089	0.05	248.55	39.2	295	6.41	54	6.18	1.78	3.27	7.09	30.09
0006	751621	9243452	X	94053	X	528.9	2.63	0.25	15831	0.13	100.63	18.5	98	4.88	33.9	5.5	2.72	2.1	4.97	22.74
0007	751419	9243453	X	98254	X	782.4	4.99	1.16	11330	0.09	105.66	21.5	121	10.99	46.5	5.4	2.34	2.2	5.38	25.7
0008	751216	9243454	X	104372	X	1378.1	4.66	0.61	6280	0.04	438.44	18.5	86	11.31	22.5	7.82	2.14	4.88	4.14	30.08
0009	751022	9243451	X	103480	X	892.2	4.43	0.27	13687	0.05	159.22	31.7	260	3.67	38.5	7.26	3.13	2.99	5.14	25.76
0010	750827	9243457	X	83752	X	805.9	4.03	0.23	8618	0.07	168.84	6.7	51	3.16	12.1	4.58	1.23	2.44	2.99	24.28
0011	752219	9243850	X	87005	0.7	457.5	2.44	0.33	21775	0.14	80.13	11	62	4.41	18.3	3.41	1.52	1.79	2.91	17.32
0012	752018	9243849	0.08	96717	0.9	625.5	2.84	0.41	16235	0.11	66.65	14.6	90	6.12	27.4	3.27	1.62	1.69	3.93	21.04
0013	751826	9243858	0.06	95564	X	913.1	5.41	0.52	20627	0.14	192.52	20.3	91	6.68	32.8	10.19	4.71	3.54	5.31	27
0014	751622	9243853	X	95383	X	640.8	3.45	0.32	24695	0.13	112.56	21.8	97	4.59	41.7	7.23	3.92	2.59	5.33	22.88
0015	751417	9243844	X	104487	X	1037.1	5.92	0.7	12498	0.13	853.11	24.7	158	15.2	42	21.86	6.23	8.88	5	29.92
0016	751232	9243862	0.06	87209	X	915.1	5.63	0.37	14736	0.11	266.1	11.8	46	5.24	15.7	7.69	2.31	3.46	2.78	24.32
0017	751028	9243850	X	100452	X	752.4	5.69	0.35	9449	0.06	248.17	18.9	154	7.07	35.7	7.25	1.78	3.58	4.68	31.69
0018	750819	9243849	X	94963	X	756.8	3.92	0.18	14261	0.06	252.06	12.9	163	4.29	13.5	6.24	1.48	3.19	2.48	22.59
0019	752221	9244253	X	87776	0.9	520.4	2.91	0.44	16515	0.1	209.01	12.4	66	5.29	18.1	6.23	1.88	2.72	3.36	18.12
0020	752020	9244254	0.06	95944	X	815.3	4.12	0.43	17508	0.11	142.92	15.2	91	5.51	29	5.43	2.17	2.42	3.96	23.24
0021	751828	9244255	X	92609	X	819	3.76	0.45	8100	0.04	164.61	11.8	90	5.19	20	5.35	2.07	2.24	4.19	23.63
0022	751626	9244255	X	106125	X	1417.5	6.64	0.34	11849	0.07	100.53	16.9	114	6.17	19	4.47	1.8	1.85	4.63	28.21
0023	751425	9244251	X	100091	X	937.6	10.87	0.7	13538	0.1	249.58	23.6	89	17.16	36.2	9.94	4.16	3.7	5.51	30.93
0024	751215	9244259	X	111169	X	933.2	6.28	0.38	5059	0.06	914.33	10.2	29	9.31	46.9	26.87	7.52	11.04	4.49	36.19
0025	751026	9244255	0.07	98022	X	507.8	8.89	0.56	13169	0.09	114.16	33	293	16.87	99	7.93	3.68	2.48	6.5	28.72
0026	750832	9244240	X	96286	X	666.4	5.59	0.34	7750	0.06	183.41	6	39	5.36	6.1	6.25	1.84	1.88	2.01	26.48
0027	752227	9244656	0.07	97596	0.9	561.4	2.85	0.44	18784	0.16	126.32	15.9	91	6.81	29.4	4.8	1.81	2.22	4.04	20.97
0028	752020	9244654	X	91555	X	326.8	2.65	0.19	23763	0.14	80.83	14.1	79	3.7	22.1	4.16	1.94	1.89	3.6	18.59
0029	751816	9244664	0.07	98830	X	959.2	4.09	0.75	8290	0.06	293.17	24.2	136	9.17	35.1	8.24	2.19	3.27	5.97	26.98
0030	751624	9244654	X	103477	X	1856.1	4.18	0.48	6807	0.05	606.61	21	56	7.84	28.6	10.21	3.85	4.96	4.4	28.19
0031	751420	9244653	X	91919	X	820.1	5.71	0.26	12959	0.1	218.77	14.6	47	6.57	22.7	11.28	4.7	3.77	4.77	31.83
0032	751231	9244648	X	92826	X	904.9	5.18	0.33	10364	0.04	178.54	15.2	81	7.46	43.2	7.95	2.56	3.16	4.11	28.06
0033	751025	9244652	X	107001	0.7	494.8	8.05	0.62	5704	0.03	166.45	8.7	35	7.22	7.5	5.22	2.19	1.25	2.74	32.53
0034	750821	9244655	0.08	94244	X	494.6	8.54	1.17	10864	0.13	110.1	30	342	17.36	55.8	6.32	2.89	1.78	6.05	27.71
0035	752625	9245058	X	79153	0.6	627.4	2.5	0.31	14442	0.11	100.76	9.8	46	3.99	12.7	3.38	1.41	1.86	2.39	15.25
0036	752422	9245062	X	91975	0.7	521.3	2.54	0.3	20157	0.14	105.01	10	56	4.52	17.1	3.67	1.55	2.04	2.59	16.96
0037	752223	9245052	X	80075	X	575.4	3.47	0.35	17077	0.12	136.95	11.2	58	4.08	16.1	4.47	1.8	2.14	3.29	16.4
0038	752025	9245047	X	90082	0.7	801.7	4.24	0.33	18425	0.12	101.38	16.4	66	6.84	19.5	4.35	2	2.28	4.69	19.21
0039	751819	9245053	X	104022	X	1177.9	8.68	0.55	9842	0.06	340.44	20	98	19.64	35.6	9.02	2.85	4.13	4.5	32.17
0040	752635	9245454	X	84219	0.5	427.1	2.43	0.35	22588	0.17	59.83	9.5	53	4.51	14.3	2.76	1.55	1.64	3.01	15.56
0041	752429	9245450	X	95095	X	549.5	4.05	0.45	11054	0.06	126.26	13.1	84	7.52	18.4	4.29	1.59	2.2	3.9	22.54
0042	752215	9245453	0.13	96387	0.7	597.8	6.01	0.63	7287	0.08	203.7	26.4	90	10.24	23	7.72	2.85	3.07	4.51	23.99

	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb
"SUMEQSS"	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0001	3.15	1.4	1.63	0.33	0.04	15848	24.05	26.6	0.18	4972	589	0.5	13940	12.81	20.7	23.9	207	33.2	5.51	88.63
0002	15.4	1.2	5.6	1	0.07	32216	155.6	57.7	0.24	5199	504	0.5	10508	29.95	113.38	36.6	511	82.4	31.42	188.99
0003	5.86	3	2.01	0.46	0.07	22881	50.92	109.5	0.15	6862	457	1.3	21023	31.55	39.26	47.5	497	36.9	10.86	288.95
0004	17.88	1.1	4.34	1.03	0.08	32455	196.28	109.2	0.19	11368	455	0.4	28103	27.09	138.17	36	516	470.7	39.48	218.91
0005	12.92	1.2	3.61	0.91	0.1	26786	135.13	137.5	0.18	20533	1293	1.3	17056	25.81	91.52	167.9	322	63.2	26.11	190.22
0006	8.35	1.8	3.21	1.01	0.09	15243	50.28	46.4	0.43	12194	959	0.2	18726	30.64	47.74	54.8	295	19.1	12.33	83.99
0007	8.26	2.1	2.39	0.92	0.08	21071	53.06	57.7	0.34	11811	1076	0.5	14034	23.23	47.97	60.9	294	29.4	12.62	161.96
0008	17.25	0.9	4.47	1.1	0.07	32111	248.55	100.9	0.19	12951	334	0.4	25089	22.77	146.44	48.3	441	51.4	43.78	191.48
0009	11.3	1.2	1.15	1.26	0.08	21194	101.07	55.4	0.35	17187	584	1.8	29358	17.06	69.92	139.2	269	63.2	19.56	139.03
0010	10.09	1.2	3.17	0.63	0.08	25432	88.82	28.8	0.14	3841	507	1.6	18356	43.07	66.53	22.4	268	58.3	18.25	99.21
0011	6.04	1.4	2.42	0.59	0.05	16599	39.83	26.5	0.28	7915	788	0.3	25368	14.84	36.45	30.7	515	24	9.59	81.34
0012	5.11	1.6	3.1	0.58	0.06	20804	33.96	38.8	0.29	11000	706	0.8	23769	18	30.46	46.5	219	25.2	8.15	104.37
0013	14.97	1.5	3.38	1.83	0.13	25338	101.66	56.4	0.64	12617	838	0.9	20508	39.36	83.23	51.5	578	44.2	22.34	146.84
0014	9.16	1.6	2.41	1.42	0.09	15277	57.86	33.2	0.57	14439	794	1.2	21096	19.08	46.93	56.4	461	31.6	12.51	84.28
0015	44.67	1.2	9.95	3.12	0.12	31327	464.42	57.4	0.67	13862	691	1	20988	33.11	315.68	86.7	642	62.8	90.75	217.85
0016	16.07	1.2	3.78	1.11	0.1	27805	138.33	37.6	0.28	6323	731	0.6	28199	32.69	106.41	26.2	389	65.3	29.14	140.34
0017	16.7	1.2	3.81	0.95	0.2	35976	124.88	65.4	0.2	11141	697	1.3	15459	41.2	104.25	71.4	571	54.8	28.08	211.45
0018	14.32	1.2	4.08	0.79	0.05	31631	131.65	20	0.15	9182	374	0.8	23446	15.46	95.79	77.8	280	64.8	27.4	150.46
0019	13.8	1.5	3.57	0.88	0.05	19469	99.98	28.4	0.28	6974	866	0.4	21523	25.48	91.06	31.7	261	28.2	24.71	102.22
0020	9.43	1.5	2.09	0.92	0.08	23527	75.85	37.2	0.27	10521	580	0.5	22604	26.44	59.93	47.2	353	38.3	16.32	130.64
0021	9.47	1.3	2.3	0.87	0.07	24235	80.5	39.8	0.27	8037	349	0.9	16064	22.94	59.81	39	217	41.4	16.54	123.84
0022	7.44	1.4	3.37	0.73	0.09	34100	54.6	64.2	0.25	13451	504	0.6	19389	65.38	42.87	52.2	366	38.5	11.71	192.8
0023	16.35	1.8	3.98	1.69	0.12	28442	141.79	103.8	0.52	13741	729	0.7	18151	37.31	100.6	55.3	516	54.5	28.76	266.55
0024	61.33	1.2	24.71	3.69	0.21	38785	449.83	100.7	1	9630	491	0.7	14864	64.36	388.16	16.4	701	78	102.88	209.83
0025	10.78	1.8	1.73	1.41	0.12	24564	67.32	75.2	0.46	19122	721	1	10993	27.38	53.37	199.4	319	50	14.61	251.65
0026	12.37	1.3	5.37	0.9	0.05	39182	94.02	28.2	0.24	3550	404	0.8	29033	26.51	72.11	14.9	301	76.8	20.21	171.33
0027	9	1.7	2.46	0.75	0.06	22713	60.82	44.5	0.29	12010	903	0.5	22004	16.32	56.25	46.1	618	26.6	14.96	112.52
0028	6.63	1.6	1.85	0.75	0.06	12600	39.2	24.9	0.32	10108	896	0.4	24333	20.38	36.89	41.8	313	23.8	9.56	63.64
0029	17.53	1.7	3.45	1.11	0.09	25744	148.42	89.4	0.28	14447	901	1.3	14058	27.47	121.42	74.7	436	38.6	32.55	180.42
0030	19.14	1	2.76	1.69	0.1	27072	365.1	87.6	0.41	10656	524	0.6	29750	28.12	188.63	35.9	405	75.1	57.87	156.78
0031	18.26	1.5	3.39	1.87	0.16	30323	109.52	60.4	0.64	10125	849	0.8	22404	53.65	98.82	29.4	450	57	25.64	165.65
0032	14.45	1.3	2.01	1.18	0.11	53521	93.18	41.6	0.28	10986	401	0.7	12883	28.89	81.6	46.1	762	42.8	21.48	237.82
0033	9.13	1.6	4.31	0.83	0.05	39236	80.15	44.8	0.25	3885	308	1.2	23626	38.29	52.77	14	198	86.9	15.54	291.3
0034	9.38	1.5	2.87	1.12	0.07	21543	63.44	83.7	0.41	19005	1253	1.9	8972	23.43	48.87	123.4	306	61.8	13.37	251.2
0035	6.61	1.4	3.07	0.55	0.03	21859	50.01	18.1	0.24	4576	899	0.3	19311	22.45	43.4	22.2	212	31.6	11.47	98.72
0036	7.1	1.5	2.33	0.61	0.04	18233	51.76	25.1	0.27	6902	808	0.3	25591	10.89	44.61	27.5	449	27.4	12.06	85.33
0037	8.4	1.5	3.55	0.71	0.05	17862	69.44	29.6	0.29	6484	1024	0.3	23525	68.32	53.54	26.8	434	35.6	14.47	84.35
0038	6.52	1.9	1.6	0.79	0.06	13905	47.29	40.5	0.29	7791	922	0.7	27575	37.51	38.36	34.1	838	26.9	10.43	70.63
0039	18.25	1.5	6.58	1.35	0.12	33489	185.52	123.5	0.36	13580	584	0.3	20548	30.94	125.81	56.8	359	51.9	35.83	362.48
0040	4.2	1.5	1.98	0.54	0.04	13899	28.63	23.4	0.29	6466	1096	0.3	26521	30.74	24.53	23.6	480	24.4	6.64	69.46
0041	8.29	1.7	2.6	0.68	0.06	20297	62.9	60.4	0.25	7752	567	0.8	17547	40.19	53.72	38.4	244	35.3	14.3	128.51
0042	13.78	1.9	3.26	1.21	0.09	19951	98.01	110.7	0.37	7323	1045	1.6	11336	23.6	83.97	65.2	604	36.1	22.74	176.55

	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
"SUMEQSS"	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0001	X	X	0.08	8.6	X	3.96	2.4	139.79	2.11	0.39	X	8.06	5202	0.54	0.14	1.93	63	1.4	8.61	1.04	43	56.2
0002	X	X	X	14.3	0.6	20.35	6.1	80.29	20.37	1.74	X	47.84	5747	1.14	0.24	11.03	89	5.8	24.2	1.48	74	189.5
0003	X	X	0.06	12.9	1.2	7.41	6.3	32.1	10.5	0.71	X	19.32	3999	1.72	0.14	3.68	107	5.3	11.19	0.91	75	63.3
0004	X	X	X	10.9	X	24.43	11.6	97.96	3.81	1.97	X	83.88	3168	1.34	0.21	12.99	64	3.8	25.07	1.25	148	137.5
0005	X	X	X	18	0.8	16.73	4.2	99.58	6.12	1.45	X	48.98	4821	1.34	0.21	5.43	127	8.3	22.02	1.13	126	123.8
0006	X	X	0.05	16.9	X	9.96	3	199.86	1.99	1.08	X	11.66	6358	0.48	0.41	2.13	126	1.1	26.7	2.71	88	52.2
0007	X	X	X	19.6	0.5	9.82	4.7	135.54	2.49	1.06	X	16.68	8392	0.84	0.33	3.62	134	3.4	24.67	2.12	103	80.6
0008	X	X	X	11	0.5	24.08	5	101.78	1.88	1.93	X	102.33	4014	1.24	0.23	10.02	68	2.2	26.81	1.26	94	161.8
0009	X	X	X	16.6	0.6	12.9	2.9	203.85	1.29	1.41	X	28.85	4345	1.03	0.39	3.55	113	3.1	37.07	2.37	133	38.5
0010	X	X	X	7.8	X	13.04	5.3	121.25	4.88	1.14	X	34.42	6526	0.73	0.14	4.42	39	1.1	14.83	0.86	98	104.1
0011	X	X	0.07	11.2	X	7.22	1.6	253.1	5.8	0.73	X	11.05	5562	0.45	0.23	2.77	71	2.8	14.79	1.75	55	74.8
0012	X	X	0.1	14.2	X	6.14	2.6	214.04	1.89	0.65	X	8.68	5665	0.62	0.24	2.7	96	1.5	14.73	1.76	81	104.6
0013	X	X	0.1	16.8	X	16.85	7	212.67	4.6	1.95	X	34.59	7411	0.91	0.65	5.36	97	2.3	46	4.19	146	110.5
0014	X	X	0.06	19.2	X	9.77	4.8	228.62	1.53	1.3	X	15.03	6085	0.6	0.57	3.4	138	2	37.53	3.9	95	80.1
0015	X	X	X	16.9	X	57.71	6.3	147.94	5.54	5.07	X	193.57	5403	1.44	0.71	19.76	88	2.9	76.14	4.21	142	341.5
0016	X	X	0.05	8.4	X	20.59	4.3	177.96	2.87	1.84	X	60.09	5446	0.84	0.3	6.38	43	1.3	27.65	1.82	140	130.6
0017	X	X	X	16.1	X	21.21	7.5	108.93	4.16	1.84	X	43.6	8287	1.34	0.2	5.92	101	1.6	21.81	1.28	208	130.9
0018	X	X	X	10.1	X	18.72	2.9	133.89	2.25	1.55	X	53.37	2952	0.96	0.16	6.51	58	2.5	18.59	0.94	59	133
0019	X	X	0.1	12	X	17.68	2.3	210.54	3.61	1.52	X	29.37	9010	0.58	0.25	4.8	82	1.5	20.92	1.73	57	124.3
0020	X	X	X	13.4	X	11.58	4.1	217.34	2.26	1.17	X	24.98	5508	0.75	0.29	3.97	87	1.8	22.64	1.81	96	67.5
0021	X	X	X	12.5	X	11.72	4.3	112.83	2.26	1.15	X	33.13	4516	0.87	0.28	4.4	87	2.5	21.31	1.8	67	81.1
0022	X	X	X	16.4	X	8.77	5.7	133.12	10.89	0.93	X	19.56	5307	1.15	0.24	4.47	105	4	18.85	1.58	113	113.2
0023	X	X	0.06	18.3	0.6	19.14	10.1	147.23	19.63	2.02	X	58.5	6006	1.58	0.54	7.78	104	3.2	43.79	3.41	175	130.1
0024	X	X	X	8.9	0.5	77.79	11.7	86.34	5.32	6.81	X	166.92	5269	1.45	0.88	20.16	49	2.2	85.46	5.84	229	712.3
0025	X	X	X	21.4	X	11.53	7.2	86.93	3.41	1.48	X	21.62	4724	1.66	0.48	4.86	118	2.7	37.62	3.05	164	55.9
0026	X	X	0.07	6.3	X	15.74	5.4	88.72	2.79	1.47	X	54.89	2566	1.04	0.24	9.01	26	1.6	21.84	1.5	44	169
0027	X	X	0.07	14.6	X	11.21	2.6	223.52	1.71	1.05	X	16.89	5883	0.62	0.26	3.54	104	1.5	18.68	1.85	84	83.2
0028	X	X	0.05	13.8	X	7.76	2.1	239.19	7.12	0.84	X	11.36	6399	0.37	0.29	2.16	94	0.9	19.4	2.06	67	63.8
0029	X	X	X	19.3	0.7	22.42	5.4	103.3	3.42	2.01	X	52.15	8050	1.04	0.27	7.26	144	2.5	27.36	1.72	107	120.7
0030	X	X	X	12.3	X	26.86	6.4	140.25	2.77	2.2	X	133.09	4181	1.04	0.46	9.15	84	1.9	45.27	2.79	104	106.5
0031	X	X	X	12.1	X	20.33	8.2	128.97	4.66	2.26	X	37.27	9963	1.14	0.64	5.84	80	2.1	49.14	4.23	232	105.1
0032	X	X	X	14	X	16.86	5.7	123.92	2.3	1.75	X	27.68	4443	1.45	0.32	3.82	76	1.6	29.58	1.94	110	72.4
0033	X	X	X	7.8	0.5	11.38	8.2	64.2	6.27	1.15	X	52.2	2421	1.65	0.27	11.06	42	2.6	21.88	1.65	45	120.3
0034	X	X	X	19.9	0.6	10.43	6.4	57.66	4.87	1.23	X	30.2	3664	1.5	0.4	9.63	103	3.2	32.21	2.67	151	86.8
0035	X	X	0.08	8.3	X	8.5	1.8	190	4.31	0.77	X	14.1	7424	0.53	0.2	2.89	59	1.3	14.09	1.47	43	103.1
0036	X	X	0.06	9.5	X	8.97	1.7	252.44	1.21	0.84	X	14.51	4701	0.49	0.24	2.86	60	1.1	15.51	1.62	52	78.9
0037	X	X	X	10.3	X	10.53	2.5	205.03	26.49	0.98	X	16.68	9330	0.47	0.25	4.99	68	2	17.71	1.75	59	116.3
0038	X	X	0.11	10.6	X	7.68	2.8	311	2.39	0.84	X	10.65	7795	0.46	0.28	2.46	100	3.2	20.56	1.85	62	57.6
0039	X	X	X	13.6	X	22.84	9.8	116.19	2.99	2.1	X	73.1	5081	2.38	0.35	9.04	76	2.8	34.03	2.16	156	218.5
0040	X	X	X	10.8	X	4.94	1.7	263.78	4.57	0.53	X	8.72	9039	0.4	0.25	1.8	61	1.3	14.16	1.84	53	57.2
0041	X	X	X	13.6	X	10.62	3.8	149.81	9.97	0.99	X	22.96	6618	0.77	0.22	4.1	92	2.4	16.18	1.56	72	84.6
0042	X	X	X	15.3	0.6	17.01	5.8	102.95	4.03	1.67	X	30.33	6423	1.12	0.37	5.85	117	17.8	31.4	2.54	109	107.6

			Ag	Al	As	Ba	Be	Bi	Ca	Cd	Ce	Co	Cr	Cs	Cu	Dy	Er	Eu	Fe	Ga
"SUMEQSS"	East	North	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm
0043	752022	9245454	X	100276	0.6	353.1	3.57	0.25	35050	0.16	82.02	14	127	13.87	44.3	7.77	4.49	2.16	3.48	20.05
0044	751818	9245442	X	108636	X	749.9	12.52	0.43	6995	0.07	407.96	8.2	41	16.05	10.8	9.62	2.52	4.21	2.5	35.39
0045	752632	9244854	0.08	118680	X	689.1	3.94	0.6	10219	0.07	70.7	23.7	151	7.63	54.9	4.86	2.69	2.07	6.15	27.25
0046	752422	9245857	X	104561	X	631.7	5.78	0.47	8459	0.05	131.57	17.6	97	10.01	17.9	4.41	1.61	2.01	4.21	26.61
0047	752226	9246855	0.05	108083	X	510.7	4.31	0.39	19752	0.12	98.6	22.9	113	7.42	41.5	4.73	2.36	2	5.24	24.03

0048	752013	9245861	X	99127	X	945.7	4.97	0.4	10062	0.1	152.51	18.2	141	8.72	37.3	5.26	1.89	2.16	4.74	25.71
0049	751820	9245843	X	101082	X	818.2	9.51	0.4	12316	0.09	174.05	20.9	61	21.75	51.5	6.91	2.36	2.72	5.47	32.33
0050	752624	9246242	X	88034	0.6	557	2.69	0.23	12162	0.08	97.69	23.4	112	5.43	31.5	4.73	2.54	1.99	4.69	19.35
0051	752425	9246256	X	107228	0.6	601.6	3.03	0.53	8450	0.09	97.26	29	131	8.67	55.7	4.46	1.82	2.16	6.5	25.02
0052	752224	9246258	0.12	97229	X	545.6	4.08	0.31	20123	0.13	126.84	20	122	8.95	32.4	5.49	2.17	2.24	4.92	23.08
0053	752024	9246252	X	95204	X	690.3	5.7	0.22	8125	0.07	270.22	19.1	66	6.31	21.2	9.85	3.13	4.08	5.79	31.59
0054	751824	9246261	X	108462	X	563.8	14.49	0.42	6560	0.05	128.33	18.1	142	25.36	23.8	5.44	2.01	1.92	4.05	34.23
0055	752619	9246650	0.06	107071	0.6	884.2	4.02	0.49	8854	0.06	55.05	24	169	14.43	40.6	3.14	1.72	1.49	6.13	26.02
0056	752420	9246663	0.05	89532	0.8	498.7	3.71	0.37	10146	0.08	153.61	16.6	95	8.16	19	6.11	2.35	2.44	4.19	20.88
0057	752236	9246666	X	101038	0.6	354.4	3.05	0.43	26335	0.24	63.58	24	246	9.61	39	6.34	3.35	1.78	6.44	23.19
0058	752027	9246659	0.05	95343	X	518.6	6.63	0.55	19360	0.14	243.77	25.1	169	14.73	33.1	8.16	3.07	2.53	5.07	27.57
0059	751833	9246671	0.05	102837	X	489.1	7.86	0.6	8769	0.04	179.57	11.9	51	12.94	10.5	6.87	2.37	1.75	3.57	29.73
0060	751616	9246651	0.13	100972	X	480.1	12.59	5.22	13558	0.12	123.94	20.1	199	18.85	27	5.89	2.56	1.99	5.1	31.63
0061	751425	9246661	0.05	106663	X	459.7	5.49	0.47	17687	0.05	86.16	22.9	160	7.02	40.6	5.43	2.47	1.86	5.02	29.19
0062	751219	9246648	0.06	103036	X	548.2	9.46	1.4	12669	0.07	235.89	10.9	17	15.27	9.1	8.07	2.79	2.04	3.84	30.47
0063	751020	9246654	0.06	89677	X	254.5	3.69	2.52	6033	0.08	88.1	5.6	28	3.93	10.3	2.93	0.89	0.8	1.95	29.23
0064	750822	9246654	0.05	103246	X	1012.5	4.61	0.21	11366	0.04	162.31	12.1	51	6.12	7.8	3.92	1.38	1.62	3.61	28.15
0072	750619	9247053	X	99635	X	252	4.19	0.15	5273	0.05	117.26	2.8	8	4.93	3	3.9	1.28	0.59	1.63	38.74
0073	750417	9247053	0.06	100784	X	390.4	4.47	0.09	5796	0.02	127.07	1.3	5	4.11	2.7	3.25	0.97	0.77	1.28	34.01
0074	750229	9247059	X	107636	X	250.9	4.12	0.1	4182	0.03	216.09	1.6	3	4.2	9.5	6.93	2.21	0.81	2.01	36.43
0075	750025	9247060	X	110763	X	417.7	4.94	0.11	5008	0.06	117.78	1.7	4	4.95	2.4	3.76	0.81	0.72	1.48	33.29
0088	749830	9247465	X	124092	X	378.7	6.25	0.3	6185	0.03	133.89	8.8	32	7.83	17.7	4.44	1.47	1.02	2.61	36.04
0102	749827	9247858	0.07	105960	X	855.1	5.53	0.5	10203	0.06	185.03	22.4	98	11.66	13	7.34	2.9	2.39	4.08	25.64
0115	750010	9248251	X	108246	X	898.7	4.1	0.57	14013	0.1	100.93	19.5	125	14.48	40.3	6.55	3.11	1.96	6.35	27.63
0116	749807	9248251	0.06	96688	X	914.7	5.61	0.41	18680	0.07	81.66	12.8	86	8.08	13.2	3.4	1.47	1.1	3.46	23.34
0128	750220	9248655	X	96290	0.7	892.9	4.38	0.4	21170	0.08	107.65	13.9	98	12.05	1.3	8.32	4.6	2.1	3.49	21.82
0129	750016	9248650	X	101883	X	102.5	1.45	0.7	1936	0.04	11.4	2.9	16	3.2	3.9	1.96	1.25	0.08	1.36	35.45
0130	749825	9248653	X	92911	X	235.9	1.76	0.16	6518	0.03	227.4	4.3	26	3.35	4.5	7.65	1.89	1.14	1.49	29.11
0144	749825	9249056	X	91410	0.6	707	8.37	0.3	16288	0.08	99.11	12.6	89	12.75	6.6	4.73	1.94	1.5	3.69	23.58
0150	750621	9249459	0.05	105351	X	670.8	4.4	2.6	11566	0.07	151.37	31.3	143	10.9	52	5.51	1.91	1.9	7.17	27.68
0151	750418	9249455	X	85260	X	283.1	2.38	2.76	7420	0.07	56.93	9	39	3.8	21.7	2.49	1.06	0.86	1.89	21.93
0154	749813	9249458	0.05	102395	1	1387.7	11.99	0.84	30456	0.13	136.61	16.2	103	18.79	42.9	10.48	5.47	2.16	4.88	26.02

	Gd	Ge	Hf	Ho	In	K	La	Li	Lu	Mg	Mn	Mo	Na	Nb	Nd	Ni	P	Pb	Pr	Rb
"SUMEQSS"	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0043	8.4	1.8	3.08	1.61	0.05	10595	39.02	52.2	0.63	13570	634	X	20112	7.14	40.88	42	2153	19.4	10.45	94.29
0044	20.35	1.6	5.38	1.31	0.09	37456	219.85	130.9	0.23	6044	452	0.4	24806	48.99	147.05	21	417	45.8	42.52	418.94
0045	6.88	2.1	2.12	0.96	0.09	11635	32.24	119.7	0.46	16177	643	0.6	9879	14.89	35.05	83.2	180	16.2	8.7	82.41
0046	8.48	1.7	2.96	0.69	0.08	21518	66.11	96.5	0.26	7924	592	0.8	14768	23.24	52.06	50	197	42.5	14.46	162.68
0047	7.13	1.9	2.35	0.88	0.07	16593	45.3	71.2	0.39	17115	1077	0.9	19756	17.06	40.92	66.7	437	24.7	10.79	104.98
0048	9.5	1.8	3.02	0.83	0.1	28126	81.52	116.5	0.24	13386	613	0.4	18422	23.35	62.36	69.3	263	35	17.4	189.19
0049	12.15	1.5	3.44	1.07	0.2	29489	92.44	233	0.28	12893	688	0.6	18935	49.26	74.92	43.7	251	69.2	20.37	320.4
0050	7.71	1.7	2.62	0.85	0.06	9511	47.46	35.8	0.38	9951	836	0.6	14168	22.36	45.17	53.6	184	19.1	11.61	60.72
0051	7.86	2.1	2.42	0.72	0.09	23443	44.95	66.7	0.32	18128	1075	0.7	9297	15.61	45.13	81.5	204	23.2	11.55	139.43
0052	9.45	1.8	2.35	0.93	0.06	20881	62.08	90.2	0.3	15725	868	0.4	21024	17.82	53.52	61.2	783	28.3	14.24	129.12
0053	18.4	1	5.78	1.48	0.21	42853	134.45	90.2	0.35	12732	409	0.3	8893	30.04	113.28	51.2	2257	38.8	30.18	222.25
0054	8.87	1.5	5.14	0.87	0.08	40952	68.38	213.9	0.25	11696	499	0.5	14789	32.13	49.58	63.2	318	61.1	13.8	480.07
0055	4.23	2.2	2.35	0.58	0.08	15465	22.5	111.8	0.31	14396	657	0.6	9585	21.39	23.61	71.4	158	17.3	6.01	162.24
0056	10.72	1.8	4.11	0.93	0.07	15283	77.53	77.8	0.35	7689	777	0.8	13604	28.03	67.08	48.5	358	25.5	18.19	136.46
0057	7.16	2	2.29	1.18	0.09	10103	31.02	136.6	0.49	20880	1365	0.3	22919	16.36	33.05	71.8	299	16	8.33	91.53
0058	13.54	1.5	5.25	1.24	0.15	27663	130.22	132	0.4	16226	758	0.5	20636	26.31	88.95	86.9	382	50.4	25.54	237.81

0059	12.03	1.3	4.54	1.03	0.07	33671	91.74	141.3	0.3	7877	541	0.5	17919	40.64	69.61	24.7	229	76.9	19.67	250.08
0060	9.2	1.6	2.52	0.98	0.07	21473	64.93	132.7	0.33	14900	773	1	12586	32.96	51.21	87.2	405	84.4	14.21	340.05
0061	7.55	1.1	1.9	0.93	0.05	13738	46.98	119.1	0.35	18138	581	0.3	11501	17.94	42.44	123.8	468	40.8	11.04	162.51
0062	14.16	1.6	7.28	1.19	0.07	28109	123.29	121.7	0.41	8188	725	0.4	28535	81.88	85.54	16.1	323	61.4	24.75	410.02
0063	5.96	2.3	3.77	0.39	0.04	24706	42.34	56.7	0.15	3289	718	0.8	35594	212.88	34.83	13.2	323	39.6	9.72	267.52
0064	7.05	1.1	4.52	0.6	0.07	31174	87.34	71.1	0.16	10329	304	0.3	15589	29.84	57.17	39.5	227	57.8	16.74	220.52
0072	6.81	2	5.33	0.55	0.11	32620	54.65	42	0.2	1860	517	0.3	27145	108.77	44.2	4.7	306	61.2	12.97	244.65
0073	6.45	1.1	6.89	0.45	0.06	46223	66.73	20.5	0.11	2214	129	0.2	22541	51.38	46.18	1.3	325	60.7	13.74	325.48
0074	13.24	1.3	8.49	1	0.08	38867	98.62	26.2	0.26	3222	117	0.2	23456	59.42	83.34	1.2	339	54.4	24.29	226.08
0075	8.54	0.9	4.08	0.46	0.02	56849	63.15	25.3	0.07	3664	161	0.2	15739	29.35	40.58	1.7	188	131.3	12.21	392.97
0088	8.13	1.5	3.07	0.62	0.09	37082	70.41	44.6	0.19	5451	433	0.3	14109	51.38	51.37	22.6	213	48.4	14.52	328.51
0102	10.97	1.4	1.92	1.15	0.07	33231	93.76	50.4	0.34	7072	991	0.4	9876	34.46	69.87	57	319	35.1	19.6	180.67
0115	8.3	2.6	1.64	1.18	0.1	23277	51.04	55.3	0.42	14609	786	0.3	10263	19.44	47.71	57.7	301	23.3	12.69	139.65
0116	5.12	1.4	2.09	0.56	0.05	31154	42.03	34.5	0.21	10085	613	0.3	14848	57.66	31.42	40.2	492	48.8	8.83	196.13
0128	8.98	1.3	2.02	1.62	0.08	30305	64.21	45.9	0.59	12330	634	0.1	14171	21.67	49.78	43.4	1393	39.1	13.84	132.6
0129	1.67	3	1.49	0.36	0.11	37280	3.87	48.1	0.35	1306	903	0.3	24252	167.49	6.09	13.4	173	36.9	1.52	192.73
0130	15.91	1.8	1.84	0.94	0.12	47121	96.78	22.1	0.15	3805	296	0.1	24594	52.05	102.18	11.9	325	57.6	27.27	200.18
0144	6.84	2.1	2.7	0.76	0.08	29192	52.51	42.2	0.27	15889	754	X	17867	39.55	41.84	42.1	497	28.2	11.65	221.8
0150	10.11	2.7	2.4	0.79	0.11	24692	70.65	92.5	0.34	16549	1616	0.6	17585	91.9	65.45	85.9	455	23	17.31	209.34
0151	4.05	2.5	2.61	0.38	0.06	27648	24.79	28.7	0.26	3831	589	0.3	27228	169.01	23.7	29.1	369	31.2	6.35	159.97
0154	12.69	3.9	2.94	1.91	0.09	31128	66.95	52	0.7	7350	786	0.8	9738	38.34	62.09	40.9	838	23.3	16.48	225.76

	Re	S	Sb	Sc	Se	Sm	Sn	Sr	Ta	Tb	Te	Th	Ti	Tl	Tm	U	V	W	Y	Yb	Zn	Zr
"SUMEQSS"	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
0043	X	X	X	16.3	X	8.81	2.1	278.67	0.58	1.29	X	12.31	3546	0.55	0.66	1.52	93	1.4	42.99	4.35	70	103.4
0044	X	X	X	7.2	X	26.52	17.8	95.85	11.6	2.32	X	100.61	3313	2.22	0.28	11.45	39	3.9	31.19	1.62	118	165
0045	X	X	X	24.7	X	7.79	4.4	123.41	1.73	0.93	X	8.01	6331	0.73	0.42	4.29	170	3.7	25.16	3.12	86	75.2
0046	X	X	X	14.6	X	10.61	5.4	107.76	4.86	1.02	X	25.25	6030	1.07	0.23	5.52	94	2.7	17	1.6	68	93.4
0047	X	X	X	17.9	X	8.35	3.5	212.49	2.05	0.94	X	14.81	4611	0.7	0.37	7.29	135	1.6	22.81	2.64	98	82.2
0048	X	X	X	15.2	X	11.82	5.4	112.86	2.09	1.14	X	27.29	5900	1.13	0.24	5.48	101	2.7	20.47	1.59	122	100.6
0049	X	X	X	14.7	X	15.24	12.7	144.9	17.09	1.51	X	38.42	6548	2.1	0.3	7.04	87	2.8	26.47	1.84	230	112.2
0050	X	X	X	16.8	X	9.28	2.3	146.89	5.74	0.97	X	11.91	6613	0.47	0.35	2.38	124	7.2	22.68	2.48	64	89.1
0051	X	X	X	23.7	X	9.22	3.9	109.9	1.2	0.96	X	12.84	6805	0.83	0.26	2.53	186	7.4	17.53	2	119	84.4
0052	X	X	X	17.8	X	11.11	3.7	199	1.54	1.15	X	18.18	6334	0.77	0.3	3.7	126	1.8	21.99	2.02	99	85.6
0053	X	X	X	12.7	X	22.28	6.8	72.11	2.33	2.18	X	39.7	7915	1.45	0.39	9.22	92	2.7	36.74	2.37	237	201.9
0054	X	X	X	14.4	X	10.15	15.2	64.21	7.53	1.14	X	29.56	3852	2.91	0.25	7.91	70	4.3	20.89	1.64	95	162.7
0055	X	X	X	23.6	0.6	5.15	4.2	107.31	8.07	0.59	X	8.2	6976	0.96	0.27	1.95	172	1.5	13.73	1.93	85	80.2
0056	X	X	X	15.6	X	13.77	4.2	129.45	18.41	1.34	X	25.07	7441	0.84	0.33	5.04	114	2.4	22.9	2.18	71	142.6
0057	X	X	X	24.2	X	7.45	4.1	206.78	1.34	1.1	X	10.48	8769	0.58	0.49	1.81	177	1.2	31.58	3.16	104	78.9
0058	X	X	X	18.7	X	17.14	10.1	122.28	3.05	1.75	X	63.28	4871	1.55	0.41	6.88	93	2.7	32.91	2.68	120	172.4
0059	X	X	X	12.1	X	15.24	9.1	74.93	12.74	1.56	X	42.97	3632	1.59	0.31	8.83	64	2.3	25.93	2.03	52	127.4
0060	X	X	X	13.6	X	10.85	14.8	114.97	6.93	1.21	X	25.81	5768	2.26	0.36	7.74	96	5.8	26.67	2.24	136	73.3
0061	X	X	X	13.1	X	8.92	9.5	143.81	2.48	1.03	X	16.89	3559	1.17	0.35	5.56	92	2.4	26.82	2.32	75	46.8
0062	X	X	X	7.6	X	17.69	9.5	115.65	24.33	1.91	X	78.45	3330	2.37	0.4	13.68	38	1.9	32.84	2.53	90	243.9
0063	X	X	X	4.9	X	7.88	8.7	60.42	29.95	0.72	X	30.48	1506	1.49	0.13	7.6	27	4.1	10.02	0.97	59	107.4
0064	X	X	X	7.7	X	9.96	6.9	160.77	3.07	0.85	X	42.19	3447	1.38	0.18	7.61	55	2	16.35	1.06	86	154
0072	X	X	X	8.6	X	9.45	19.3	55.05	8.02	0.87	X	70.54	1513	1.6	0.19	16.06	12	3.4	12.1	1.26	46	135.9
0073	X	X	X	5.7	X	9.01	16.1	65.9	3.76	0.76	X	57.89	1230	1.71	0.11	8.88	8	2.7	11.44	0.69	25	194.5
0074	X	X	X	7.7	X	17.9	20.9	48.24	3.67	1.6	X	97.2	1401	1.7	0.29	11.46	9	1.5	22.57	1.79	57	209.9
0075	X	X	X	2.6	X	9.88	13.2	64.84	2.44	1.01	X	55.58	819	2.15	0.08	4.94	8	1.3	11.16	0.45	48	97.7
0088	X	X	X	10.6	X	10.78	16.7	65.05	4.83	0.99	X	44.13	2497	1.66	0.2	9.64	36	13.3	16.35	1.26	51	76.3
0102	X	X	X	11.8	X	13.65	10.4	110.04	3.23	1.47	X	34.44	3373	1.02	0.4	4.86	64	7.5	30.54	2.39	52	65.2
0115	X	X	0.07	21.7	X	9.8	4.8	98.65	1.45	1.22	X	17.1	6739	0.87	0.45	2.91	161	4.5	30.38	2.84	96	52.5

0116	X	X	X	9	X	6.26	11.6	128.14	6.17	0.68	X	15.07	3014	1.06	0.21	5.06	55	6.1	15.03	1.38	48	59
0128	X	X	0.07	13.3	X	9.72	5.3	157.09	2.13	1.36	X	19.98	3544	0.75	0.65	2.17	52	1.4	43.95	4.15	56	71.1
0129	X	X	X	12.1	X	1.84	3.8	8.06	8.42	0.31	X	10.47	1054	1.04	0.25	18.96	14	4.5	6.62	2.14	23	28.2
0130	X	X	X	13.6	X	22.79	6.5	49.37	2.82	1.9	X	69.57	1624	1.08	0.22	9.57	19	1.3	21.97	1.19	25	45.4
0144	X	X	0.11	12.1	X	8.42	8	115.14	4.76	0.96	X	17.49	3415	1.08	0.27	4.43	56	9.6	19.69	1.83	64	84.8
0150	X	X	X	22.1	0.7	12.93	4	120.15	6.23	1.24	X	17.23	8877	1.02	0.29	8.99	157	2.7	19.3	2.17	104	83.3
0151	X	X	X	8.4	X	5.25	2.2	80.41	13.97	0.53	X	8.81	2198	0.86	0.19	4.63	37	3.9	10.1	1.55	43	60
0154	X	X	0.82	18	X	13.63	11.8	150.86	15.81	1.86	X	22.96	8267	1.32	0.77	7.67	130	62.7	55.85	4.93	85	91.6

APPENDIX B - JORC Table 1

Section 1 Sampling Techniques and Data

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

Criteria	JORC Code explanation	Commentary
Sampling techniques	• *Nature and quality of sampling (eg cut channels, random chips, or specific specialised industry standard measurement tools appropriate to the minerals under investigation, such as down hole gamma sondes, or handheld XRF instruments, etc). These examples should not be taken as limiting the broad meaning of sampling.* • *Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.* • *Aspects of the determination of mineralisation that are Material to the Public Report.* • *In cases where 'industry standard' work has been done this would be relatively simple (eg 'reverse circulation drilling was used to obtain 1 m samples from which 3 kg was pulverised to produce a 30 g charge for fire assay'). In other cases more explanation may be required, such as where there is coarse gold that has inherent sampling problems. Unusual commodities or mineralisation types (eg submarine nodules) may warrant disclosure of detailed information.*	• Soil samples were collected from the B-horizon at each site, typically at a depth of ~20–30 cm (up to 50 cm) using hand-held tools. • Approximately 1 kg of soil was collected per site via hand held trowel from the base of the excavated hole, with care taken to minimise collections of infill material from disturbance of the walls of the excavation. • The collected material was sieved to <2 mm to remove coarse fragments, vegetable matter and other debris, with the fines fraction reserved as the collected sample. • Clean, new, chemical free brown paper geochemistry sample bags were filled using a plastic spoon, with approximately 200grams of material collected per-sample. • A duplicate sample was collected at every site to enable check assays should they be warranted.
Drilling techniques	• *Drill type (eg core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (eg core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether core is oriented and if so, by what method, etc).*	• Not applicable – this announcement relates to surface soil sampling only.
Drill sample recovery	• *Method of recording and assessing core and chip sample recoveries and results assessed.* • *Measures taken to maximise sample recovery and ensure representative nature of the samples.* • *Whether a relationship exists between sample recovery and grade and whether sample bias may have occurred due to preferential loss/gain of fine/coarse material.*	• Not applicable.
Logging	• *Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.* • *Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc) photography.* • *The total length and percentage of the relevant intersections logged.*	• Not applicable. Basic field observations were recorded at each soil sample site (e.g. soil colour, grain size, vegetation cover, slope).
Sub-sampling techniques and sample preparation	• *If core, whether cut or sawn and whether quarter, half or all core taken.* • *If non-core, whether riffled, tube sampled, rotary split, etc and whether sampled wet or dry.* • *For all sample types, the nature, quality and*	• Samples were dry sieved to <2 mm in the field. • The fines material was then scooped via spoon into geochemical sample bags. Duplicate samples were collected in the same manner. • This sampling technique is recognised as industry standard for early stage soil geochemistry programs. • Sample preparation was conducted by Intertek Laboratories in Maddington,

	appropriateness of the sample preparation technique. • *Quality control procedures adopted for all sub-sampling stages to maximise representivity of samples.* • *Measures taken to ensure that the sampling is representative of the in situ material collected, including for instance results for field duplicate/second-half sampling.* • *Whether sample sizes are appropriate to the grain size of the material being sampled.*	WA, using standard procedures appropriate for geochemical soil analysis. • Sample sizes are considered appropriate for the material grainsize, and method of analysis used, to maintain suitable representivity, and minimise sampling bias.
Quality of assay data and laboratory tests	• *The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.* • *For geophysical tools, spectrometers, handheld XRF instruments, etc, the parameters used in determining the analysis including instrument make and model, reading times, calibrations factors applied and their derivation, etc.* • *Nature of quality control procedures adopted (eg standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (ie lack of bias) and precision have been established.*	• Samples were subjected to four-acid digest ($HCl–HNO_3–HF–HClO_4$) and analysed using ICP-OES / MS finish, suitable for effective total digestion of most rock-forming minerals. This technique is appropriate for trace-level multi-element soil geochemistry including Li, Cs, Rb, Ta, Sn, W, REEs, and Y. • Intertek undertook internal QA/QC protocols including analysis of standards, blanks and duplicates. QA/QC results were reviewed and considered acceptable for this early-stage exploration program • No geophysical tools or handheld XRF were used in this program.
Verification of sampling and assaying	• *The verification of significant intersections by either independent or alternative company personnel.* • *The use of twinned holes.* • *Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.* • *Discuss any adjustment to assay data.*	• Fieldwork was conducted under supervision of senior geological staff. • Data is preliminary and no independent laboratory verification has yet been conducted.
Location of data points	• *Accuracy and quality of surveys used to locate drill holes (collar and down-hole surveys), trenches, mine workings and other locations used in Mineral Resource estimation.* • *Specification of the grid system used.* • *Quality and adequacy of topographic control.*	• Field data was recorded using handheld GPS devices and field notebooks, and later entered into a central digital database with validation checks.
Data spacing and distribution	• *Data spacing for reporting of Exploration Results.* • *Whether the data spacing and distribution is sufficient to establish the degree of geological and grade continuity appropriate for the Mineral Resource and Ore Reserve estimation procedure(s) and classifications applied.* • *Whether sample compositing has been applied.*	• Soils samples were collected on a nominal grid of 200m easting, and 400m northing, aligned to the national UTM grid SIRGAS2000, Zone 24S.
Orientation of data in relation to geological structure	• *Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type.* • *If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.*	• Not applicable.
Sample security	• *The measures taken to ensure sample security.*	• Samples were stored at the company's site-based storage facility, monitored by staff members. When batched, samples were dispatched directly to Intertek Laboratories by DHL International Couriers. • Sample security is not considered a risk.
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• No external reviews have been conducted.

Section 2 Reporting of Exploration Results
(Criteria listed in the preceding section also apply to this section.)

Criteria	JORC Code explanation	Commentary
Mineral tenement and land tenure status	• *Type, reference name/number, location and ownership including agreements or material issues with third parties such as joint ventures, partnerships, overriding royalties, native title interests, historical sites, wilderness or national park and environmental settings.* • *The security of the tenure held at the time of reporting along with any known impediments to obtaining a licence to operate in the area.*	• The Equador Project comprises three contiguous tenements that transgress the boundaries between the states of Paraíba and Rio Grande do Norte in the northeast of Brazil. • These tenements comprise two granted exploration licenses (848307/2024 and 848075/2024) and a fully permitted Mining Lease (848262/2024) • All tenements are in good standing, with expiries in 2027, and with access agreements in place with all surface rights owners. • No other significant interests or royalties apply, and none of the tenements occur within conservation regions of special ecological significance. • Tenements are either held directly by Summit Minerals Ltd through their wholly owned Brazilian subsidiary (Summit Minerals Brazil) or are in the transfer process with the Brazilian Geological Survey (Agência Nacional de Mineração "ANM")
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• No previous operators have undertaken exploration activity of the tenements prior to the work conducted by Summit.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The geology of the Equador project comprises Neoproterozoic age metasediments (quartzo-feldspathic / pelitic Schists) of the Borborema Province; formed during the Brasiliano / Pan-African Orogeny. The quartzo-feldspathic schists within the Project show an intense foliation described by abundant muscovite and biotite; steeply dipping and striking NNE. Minor garnet prophyroblasts occur within the rocks ranging in diameter from 1-10mm. The schsists are intruded by megacrystic s-type granitoids, which transition into pegmatites. Larger exposures of granitoid show evidence of partial melting and internal pegmatite formation. Granitoids and associated pegmatites comprise quartz – k-feldspar – muscovite – tourmaline (±garnet ± tantalite/columbite). Locally, pegmatites are also host to beryl, epidote and scheelite. Outcrop is generally poor, and pegmatites may be strike parallel to the regional foliation, or cross cut at a high angle. • Mineralisation is in the form of tantalite / columbite crystals as accessory minerals within the pegmatites.

Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:*
	  ○ *easting and northing of the drill hole collar*
	  ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar*
	  ○ *dip and azimuth of the hole*
	  ○ *down hole length and interception depth*
	  ○ *hole length.*
	• *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*
		• No drilling is being reported.

Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in*	• Data have not been aggregated. • Samples were pulverised, homogenised, and then an aliquot was split for digestion using Intertek Laboratories' standard internal procedures.

	detail. • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	
Relationship between mineralisation widths and intercept lengths	• *These relationships are particularly important in the reporting of Exploration Results.* • *If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.* • *If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (eg 'down hole length, true width not known').*	• Not Applicable.
Diagrams	• *Appropriate maps and sections (with scales) and tabulations of intercepts should be included for any significant discovery being reported These should include, but not be limited to a plan view of drill hole collar locations and appropriate sectional views.*	• All relevant data is presented within the body of this announcement.
Balanced reporting	• *Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.*	• All relevant analytical results are presented within the body of this announcement.
Other substantive exploration data	• *Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.*	• All relevant information is presented within the body of this announcement.
Further work	• *The nature and scale of planned further work (eg tests for lateral extensions or depth extensions or large-scale step-out drilling).* • *Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is not commercially sensitive.*	• Selective drilling programs are planned to test the strike extent, depth and widths of pegmatite exposures sampled within this current work program.

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