Pure Minerals Limited

5 October 2017

ASX Announcement

LARGE LITHIUM-TANTALUM SOIL ANOMALIES DEFINED AT MORRISSEY HILL PROJECT

- **Soil sampling has defined significant elevated lithium-tantalum anomaly more than 5 km long and up to 1 km wide**
- **Two additional tantalum anomalies each more than 1 km long**
- **Rock chip samples within these anomalies have returned up to 1.31% Li_2O and 238.7 ppm Ta_2O_5**
- **Results have similarities to initial results from Segue Resources' Malinda project located less than 10km to the east**

Pure Minerals Limited (ASX: PM1) ("Pure Minerals", "the Company") is pleased to announce results from its maiden exploration programmes at its 80%-owned Morrissey Hill project located in Western Australia's Gascoyne region.

Significant Lithium-Tantalum soil anomalies discovered

In August 2017, Pure Minerals commenced an initial [first pass] soil sampling survey and rock chip sampling program over the northern portion of its 59 km^2 Morrissey Hill project to identify its prospectivity for lithium-tantalum mineralisation. The area is known for multiple pegmatite intrusions and fractionated granites which have the potential to host lithium mineralisation.

The soil survey consisted of 133 samples collected on a 200m x 800m grid. In addition, the Company collected 50 rock chip samples from various pegmatite and granite outcrops within and surrounding the soil sampling grid.

The soil sampling program was designed to identify lithological packages with anomalous pathfinder elements for lithium-caesium-tantalum pegmatites (Li, Cs, Ta, Nb, Rb) which may indicate sub-cropping prospective pegmatites.

The program successfully delineated two key anomaly areas (see Figure 1, Appendix B):

(1) a 5.0km x 1.0km lithium and tantalum soil anomaly, with results up to 0.045% Li_2O and 20.9 ppm Ta_2O_5 (MSS0053), and
(2) two tantalum soil anomalies of 1.6km x 1.4km and 1.0km x 0.4km with results up to 18.9 ppm Ta_2O_5 (MSS0025)

All anomalies occur within a broad caesium anomaly above 10ppm Cs covering an area of more than 10 km^2.

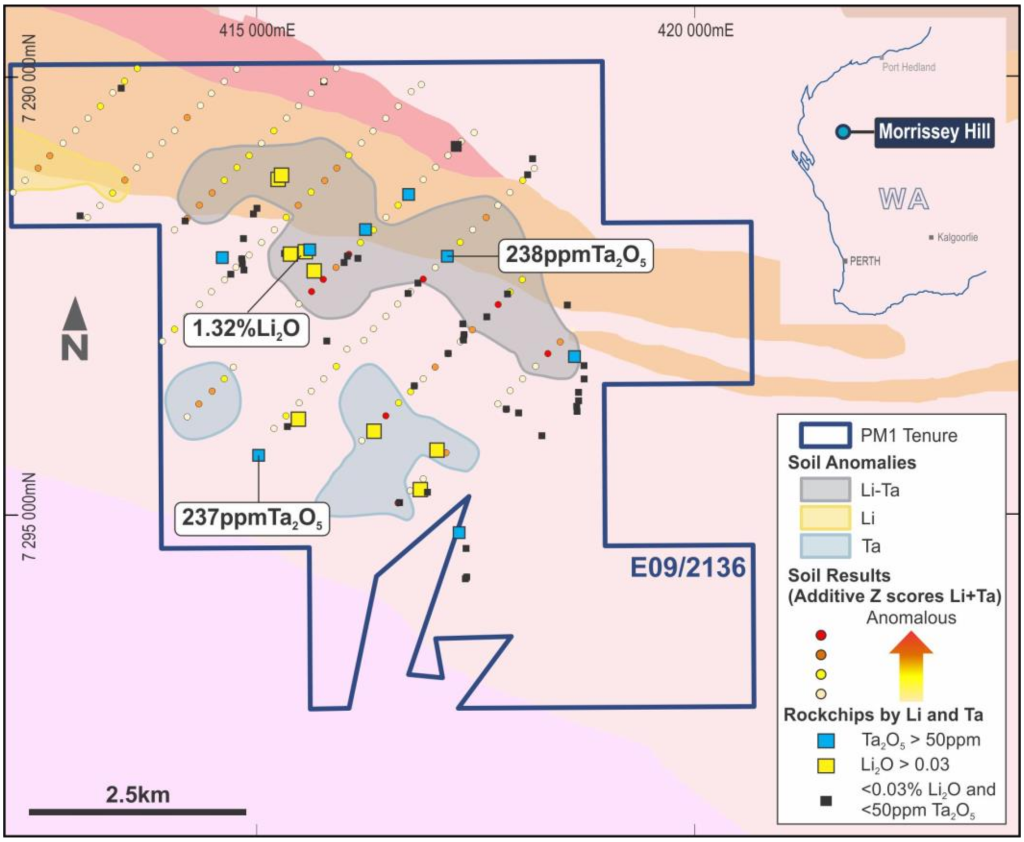

Figure 1: Soil anomalies, soil sampling locations showing multivariate Z-score (Li, Ta, Cs, Rb, Nb), and highlighted rock chip samples.

The soil anomalies are consistent with lithium and tantalum rock chip samples collected on site. Pure Minerals collected a further 50 rock chip samples to supplement the historic rock chip sampling. Previous rock chip samples in the northern Li-Ta anomaly registered grades up to 1.31% Li_2O (refer ASX Announcement/Prospectus dated 5 May 2017).

In the northern lithium and tantalum anomaly, rock chip samples grading up to 0.23% Li_2O and 238.7ppm Ta_2O_5 were recovered in the current program (MHS0020 and MHS0039 respectively; refer Figure 1 and Appendix A). Around the southern tantalum-rich anomalies, rock chips grading up to 237.5 ppm Ta_2O_5 were recovered in the current program (MHS0033).

Proximity to Malinda lithium discovery

Morrissey Hill is located approximately 10km west of Segue Resources' recent Malinda (formerly Reid Well) lithium discovery. On 20 September 2017, Segue announced assay results from the first six (6) holes the maiden reverse circulation (RC) drill programme that intersected thick zones of pegmatite of grades greater than 1.0% Li_2O.

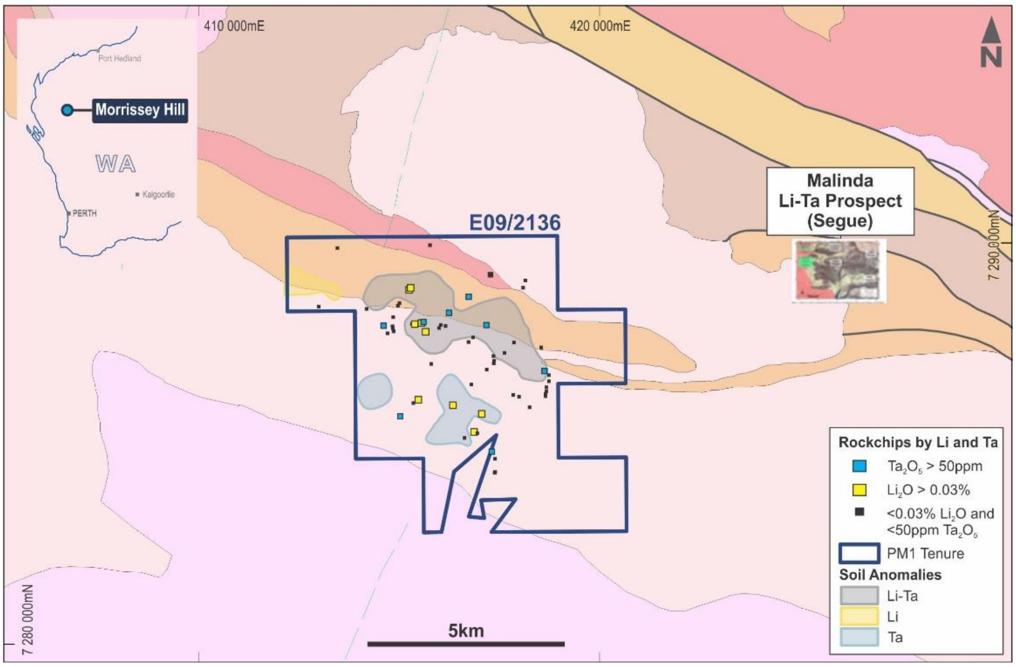

Figure 2: Location of Malinda lithium project relative to Morrissey Hill. Outline of Malinda project from Segue Resources News Release dated 20 September 2017.

The Malinda discovery was based off a soil sampling and rock chip sampling program, announced 12 April 2017, that delineated a 1.3km x 1.0km lithium and tantalum anomaly.

Next Steps at Morrissey Hill

Pure Minerals will infill sample the areas showing the strongest lithium and tantalum anomalies in the soil sampling program with the intention of enhancing the definition of the anomaly for improved drill targeting. An 80 mesh fraction will be trialled to determine if this improves the resolution of the anomalous area. In addition, Pure Minerals will take further rock chips samples and undertake petrographic analysis to identify the lithium and tantalum minerals in the rock chip samples, as well as characterise the different pegmatite phases.

Commenting on the results, Sean Keenan, Pure Minerals' Executive Director and CEO said:

> *"The large size of the lithium and tantalum anomalies, plus the similar orientation relative to the pegmatites mapped at the nearby Malinda discovery, are very encouraging to Pure Minerals. We believe the project warrants additional sampling and mapping to enhance the resolution of the anomaly with the ultimate goal of developing priority drill targets."*

-Ends-

For and on behalf of the Board
Justyn Stedwell, Company Secretary

COMPETENT PERSON STATEMENT:

The information in this report that relates to Exploration Results at the Morrissey Hill Project complies with the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code) and has been compiled and assessed under the supervision of Mr Bill Oliver, a consultant to Pure Minerals Limited and director of Billandbry Consulting Pty Ltd. Mr Oliver is a Member of the Australasian Institute of Mining and Metallurgy and the Australasian Institute of Geoscientists. He has sufficient experience that is 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 JORC Code. Mr Oliver consents to the inclusion in this announcement of the matters based on his information in the form and context in which it appears. The Exploration Results are based on standard industry practises for drilling, logging, sampling, assay methods including quality assurance and quality control measures as detailed in Appendix 3.

Appendix A: Rock Chip Sampling Results

Sample ID	Easting (MGA z50)	Northing (MGA z50)	Li (%)	Li_2O (%)	Cs (ppm)	Ta (ppm)	Ta_2O_5 (ppm)	Nb (ppm)	Rb (ppm)	Be (ppm)
MHS0001	418,628	7,286,791	0.0290	0.0624	41.3	43.1	52.6	62	289	4.12
MHS0002	418,739	7,286,692	0.0060	0.0129	8.4	0.8	1.0	<5	378	0.46
MHS0003	418,742	7,286,542	0.0120	0.0258	40.6	39.1	47.7	37	215	38.1
MHS0004	418,671	7,286,395	0.0100	0.0215	2.2	0.6	0.7	<5	65.7	3.57
MHS0005	418,671	7,286,293	0.0100	0.0215	4.5	0.8	1.0	<5	214	1.78
MHS0006	418,656	7,286,232	0.0080	0.0172	47.6	37.7	46.0	52	725	264
MHS0007	418,661	7,286,172	0.0090	0.0194	25.3	34.7	42.4	82	560	145
MHS0008	415,284	7,288,870	0.0200	0.0431	10.3	1.6	2.0	13	128	2.3
MHS0009	415,235	7,288,821	0.0180	0.0388	18.6	1.7	2.1	16	213	2.53
MHS0010	414,998	7,288,474	0.0070	0.0151	5.5	5.3	6.5	15	94.5	0.73
MHS0011	414,979	7,288,447	0.0070	0.0151	40.1	32.6	39.8	57	653	1.2
MHS0012	414,847	7,288,152	0.0080	0.0172	22.2	6.6	8.1	45	504	1.26
MHS0013	414,842	7,287,864	0.0060	0.0129	33.6	5.5	6.7	17	1180	3.9
MHS0014	414,857	7,287,793	0.0080	0.0172	6.2	6.6	8.1	26	183	5.93
MHS0015	414,711	7,287,745	0.0130	0.0280	13.6	2.9	3.5	17	418	6.95
MHS0016	417,352	7,287,174	0.0050	0.0108	190.5	0.7	0.9	<5	2580	4.61
MHS0017	417,368	7,287,059	0.0090	0.0194	20.5	8.4	10.3	93	387	1.36
MHS0018	417,359	7,287,001	0.0080	0.0172	3.7	2.1	2.6	15	67.4	2.11
MHS0019	415,653	7,287,778	0.0160	0.0344	41.2	15.9	19.4	52	341	7.95
MHS0020	415,546	7,288,000	0.1070	0.2304	168	73.2	89.4	49	562	5.22
MHS0021	415,573	7,287,994	0.0080	0.0172	40.5	84.1	102.7	117	25.7	24.6
MHS0022	415,623	7,288,001	0.0070	0.0151	96.6	2.9	3.5	<5	2580	4.12
MHS0023	416,636	7,285,140	0.0040	0.0086	5.6	1.1	1.3	<5	137	5.07
MHS0024	417,055	7,285,736	0.0810	0.1744	177.5	17.6	21.5	50	1020	8.59
MHS0025	417,992	7,286,156	0.0070	0.0151	40.5	26.1	31.9	40	827	33
MHS0026	417,852	7,286,201	0.0060	0.0129	53.9	8.8	10.7	19	1140	178
MHS0027	418,549	7,287,389	0.0060	0.0129	24.7	18.9	23.1	43	627	20.4
MHS0028	417,864	7,287,518	0.0060	0.0129	5.5	29.4	35.9	47	166	33
MHS0029	417,631	7,287,257	0.0060	0.0129	16.1	15	18.3	86	226	2.69
MHS0030	417,188	7,286,838	0.0060	0.0129	6	<0.5	-0.6	<5	345	1.74
MHS0031	416,338	7,285,961	0.0200	0.0431	27.9	11.5	14.0	90	745	9.24
MHS0032	416,801	7,286,459	0.0040	0.0086	15	27.2	33.2	34	413	45.6
MHS0033	415,025	7,285,663	0.0070	0.0151	48.2	194.5	237.5	115	528	12.85
MHS0034	414,835	7,287,910	0.0130	0.0280	40.8	4.5	5.5	18	640	3.7
MHS0035	416,040	7,287,938	0.0090	0.0194	66.8	0.7	0.9	<5	2270	2.62
MHS0036	416,005	7,287,886	0.0120	0.0258	20.7	5.4	6.6	37	310	1.8
MHS0037	416,737	7,287,516	0.0120	0.0258	3.4	3	3.7	18	98.5	2.09
MHS0038	416,846	7,287,640	0.0110	0.0237	13	1.5	1.8	5	336	3.21
MHS0039	417,180	7,287,938	0.0180	0.0388	1.6	195.5	238.7	174	8	3.65
MHS0040	417,178	7,287,938	0.0170	0.0366	2.3	63.1	77.1	93	7.6	4.22
MHS0041	418,096	7,288,880	0.0120	0.0258	44.8	3.4	4.2	17	358	2.72
MHS0042	418,149	7,289,046	0.0130	0.0280	17.9	2.1	2.6	17	377	3.87
MHS0043	417,282	7,289,198	0.0090	0.0194	9.1	4.9	6.0	17	338	2.41
MHS0044	416,724	7,288,644	0.0090	0.0194	3.7	59.1	72.2	24	77.9	1.43
MHS0045	414,193	7,288,345	0.0100	0.0215	25.5	5	6.1	19	167	2.28
MHS0046	413,454	7,289,879	0.0080	0.0172	1	1.2	1.5	8	7.5	1.84
MHS0047	412,989	7,288,405	0.0090	0.0194	11.6	1.6	2.0	<5	373	0.7
MHS0048	415,772	7,289,943	0.0070	0.0151	14.2	16.4	20.0	51	465	3.22
MHS0049	418,254	7,285,891	0.0060	0.0129	7.8	1.5	1.8	5	422	3.54
MHS0050	416,877	7,285,274	0.0160	0.0344	195.5	2.5	3.1	<5	1290	6.39

Appendix B: Soil Sampling Results

Sample ID	Easting (MGA z50)	Northing (MGA z50)	Li (%)	Li_2O (%)	Cs (ppm)	Ta (ppm)	Ta_2O_5 (ppm)	Nb (ppm)	Rb (ppm)
MSS0001	416,615	7,285,141	0.011	0.024	15.8	11.5	14.0	26	219
MSS0002	416,751	7,285,281	0.009	0.019	5.2	1.8	2.2	15	141.5
MSS0003	416,902	7,285,416	0.008	0.017	6.3	1.6	2.0	17	160
MSS0004	417,161	7,285,711	0.013	0.028	13.7	5.9	7.2	20	180
MSS0005	417,751	7,286,270	0.009	0.019	13.7	3.1	3.8	16	236
MSS0006	417,890	7,286,420	0.011	0.024	16.8	2.2	2.7	14	191
MSS0007	418,031	7,286,556	0.011	0.024	8.7	1.8	2.2	13	162.5
MSS0008	418,179	7,286,698	0.01	0.022	9.6	1.6	2.0	12	167.5
MSS0009	418,319	7,286,843	0.018	0.039	27.6	7.8	9.5	17	245
MSS0010	418,459	7,286,976	0.013	0.028	13.3	4.1	5.0	14	177.5
MSS0011	418,599	7,287,123	0.011	0.024	13	2.1	2.6	13	234
MSS0012	418,458	7,288,111	0.013	0.028	4.7	1.5	1.8	12	89.1
MSS0013	418,313	7,287,963	0.012	0.026	7.8	1.2	1.5	11	108.5
MSS0014	418,161	7,287,824	0.011	0.024	18.4	1.7	2.1	14	119
MSS0015	418,029	7,287,686	0.015	0.032	12.5	1.8	2.2	14	125.5
MSS0016	417,890	7,287,545	0.014	0.030	16.8	2.7	3.3	12	143.5
MSS0017	417,754	7,287,401	0.017	0.037	9.6	4.1	5.0	14	127.5
MSS0018	417,609	7,287,264	0.012	0.026	17.5	2.2	2.7	16	193.5
MSS0019	417,459	7,287,114	0.013	0.028	12.1	4.5	5.5	18	183
MSS0020	417,324	7,286,978	0.012	0.026	17.5	2.3	2.8	18	200
MSS0021	417,183	7,286,840	0.009	0.019	9.5	1.9	2.3	15	181.5
MSS0022	417,036	7,286,690	0.014	0.030	15.4	4.3	5.3	13	215
MSS0023	416,202	7,285,851	0.01	0.022	7.6	3.3	4.0	18	137
MSS0024	416,335	7,285,988	0.012	0.026	15.3	9.9	12.1	25	165.5
MSS0025	416,475	7,286,134	0.008	0.017	6.7	15.5	18.9	62	176.5
MSS0026	416,622	7,286,281	0.013	0.028	11.9	2.2	2.7	16	165
MSS0027	416,757	7,286,409	0.012	0.026	12.9	2.9	3.5	18	150.5
MSS0028	416,902	7,286,557	0.01	0.022	12.2	2.4	2.9	16	168.5
MSS0029	415,203	7,285,989	0.01	0.022	7.8	2.5	3.1	16	126.5
MSS0030	415,339	7,286,133	0.009	0.019	7.3	5.1	6.2	19	115
MSS0031	415,489	7,286,281	0.008	0.017	8.5	3.4	4.2	11	82.9
MSS0032	415,627	7,286,414	0.008	0.017	6.3	1.4	1.7	13	102
MSS0033	415,769	7,286,556	0.008	0.017	6.7	1.7	2.1	14	140.5
MSS0034	415,912	7,286,697	0.01	0.022	9.4	4.4	5.4	25	141
MSS0035	416,033	7,286,893	0.009	0.019	9.3	2.7	3.3	17	174
MSS0036	416,226	7,286,993	0.009	0.019	12.1	2.7	3.3	16	161.5
MSS0037	416,334	7,287,125	0.01	0.022	19.2	2.1	2.6	17	228
MSS0038	416,477	7,287,268	0.009	0.019	10.8	2.7	3.3	21	247
MSS0039	414,214	7,286,122	0.008	0.017	5.9	4.6	5.6	17	102
MSS0040	414,348	7,286,268	0.012	0.026	9.8	5.4	6.6	17	139
MSS0041	414,499	7,286,414	0.014	0.030	9.3	5.3	6.5	16	120
MSS0042	414,637	7,286,555	0.01	0.022	7.1	5.5	6.7	20	108
MSS0043	414,741	7,286,687	0.012	0.026	9.1	2.2	2.7	11	124
MSS0044	414,641	7,287,683	0.009	0.019	9.8	3.2	3.9	17	187
MSS0045	414,769	7,287,828	0.011	0.024	13.7	2.3	2.8	14	163.5
MSS0046	414,920	7,287,965	0.01	0.022	18.6	2.6	3.2	17	250
MSS0047	415,061	7,288,110	0.01	0.022	13.1	3.3	4.0	22	220
MSS0048	414,490	7,287,547	0.007	0.015	6.1	2.3	2.8	17	114
MSS0049	414,354	7,287,403	0.008	0.017	4.8	1.7	2.1	15	103.5
MSS0050	414,212	7,287,263	0.007	0.015	5.1	2.3	2.8	16	120.5
MSS0051	414,070	7,287,120	0.013	0.028	6.6	2.1	2.6	15	122.5
MSS0052	413,933	7,286,981	0.011	0.024	5.3	2.1	2.6	14	106
MSS0053	416,055	7,287,974	0.021	0.045	28.7	17.1	20.9	38	315
MSS0054	416,188	7,288,107	0.012	0.026	12.6	3.1	3.8	17	170

Sample ID	Easting (MGA z50)	Northing (MGA z50)	Li (%)	Li_2O (%)	Cs (ppm)	Ta (ppm)	Ta_2O_5 (ppm)	Nb (ppm)	Rb (ppm)
MSS0055	415,908	7,287,825	0.016	0.034	19.4	3.4	4.2	19	287
MSS0056	415,763	7,287,689	0.014	0.030	22.3	8.4	10.3	36	179
MSS0057	415,630	7,287,550	0.011	0.024	9.3	11.8	14.4	18	156
MSS0058	415,485	7,287,408	0.01	0.022	6.1	2.6	3.2	15	133
MSS0059	415,341	7,287,261	0.01	0.022	5.7	2	2.4	14	142
MSS0060	415,208	7,287,118	0.013	0.028	6.8	2.4	2.9	13	128.5
MSS0061	415,069	7,286,979	0.011	0.024	7.5	2	2.4	12	117
MSS0062	416,611	7,287,407	0.01	0.022	8.6	2.8	3.4	16	195.5
MSS0063	416,756	7,287,548	0.011	0.024	16.9	2.2	2.7	17	216
MSS0064	416,901	7,287,691	0.016	0.034	22	4.8	5.9	24	287
MSS0065	417,039	7,287,823	0.011	0.024	19.5	2.4	2.9	15	161.5
MSS0066	417,187	7,287,974	0.018	0.039	18.7	6.7	8.2	21	144
MSS0067	417,322	7,288,112	0.013	0.028	19.4	2.4	2.9	19	138
MSS0068	417,464	7,288,256	0.012	0.026	9.2	1.8	2.2	16	162
MSS0069	417,618	7,288,393	0.017	0.037	13.7	2.3	2.8	13	116.5
MSS0070	417,750	7,288,533	0.011	0.024	7.8	1.8	2.2	16	101.5
MSS0071	417,887	7,288,679	0.01	0.022	5.2	1.6	2.0	14	96.7
MSS0072	418,033	7,288,817	0.011	0.024	20.8	3.7	4.5	18	233
MSS0073	418,166	7,288,954	0.009	0.019	10.9	2.1	2.6	19	245
MSS0074	417,481	7,289,362	0.008	0.017	7.1	1.1	1.3	9	67.5
MSS0075	417,333	7,289,261	0.009	0.019	5.5	1.9	2.3	14	128
MSS0076	417,183	7,289,101	0.009	0.019	7.5	2	2.4	16	147
MSS0077	417,043	7,288,966	0.01	0.022	6.3	1.1	1.3	11	90.6
MSS0078	416,902	7,288,825	0.011	0.024	10.4	2.2	2.7	16	96.9
MSS0079	416,760	7,288,678	0.011	0.024	13.4	2.1	2.6	17	113
MSS0080	416,615	7,288,534	0.013	0.028	9.2	1.9	2.3	15	102
MSS0081	416,477	7,288,397	0.011	0.024	12.4	1.5	1.8	15	134
MSS0082	416,333	7,288,251	0.015	0.032	22.2	1.8	2.2	19	156.5
MSS0083	415,206	7,288,252	0.009	0.019	11	4.7	5.7	24	235
MSS0084	415,341	7,288,395	0.012	0.026	12.2	3.8	4.6	20	153
MSS0085	415,478	7,288,532	0.014	0.030	17	3.4	4.2	17	174
MSS0086	415,625	7,288,683	0.014	0.030	24.9	2.8	3.4	21	132.5
MSS0087	415,780	7,288,815	0.014	0.030	6.9	4.4	5.4	13	80.1
MSS0088	415,918	7,288,957	0.014	0.030	10.8	3.7	4.5	15	143
MSS0089	416,055	7,289,103	0.014	0.030	14.2	2.2	2.7	14	144.5
MSS0090	415,202	7,289,382	0.014	0.030	7.6	2.2	2.7	13	111.5
MSS0091	415,060	7,289,240	0.012	0.026	8.4	2.2	2.7	14	141.5
MSS0092	414,920	7,289,100	0.012	0.026	8.1	3.6	4.4	18	145.5
MSS0093	414,782	7,288,963	0.014	0.030	26.5	2.8	3.4	18	153.5
MSS0094	414,638	7,288,818	0.012	0.026	8.9	2.6	3.2	17	155
MSS0095	414,500	7,288,674	0.014	0.030	19.2	4	4.9	20	162.5
MSS0096	414,354	7,288,534	0.014	0.030	12.2	3.9	4.8	16	136
MSS0097	414,212	7,288,383	0.013	0.028	12.6	4.3	5.3	18	169.5
MSS0098	414,069	7,288,252	0.01	0.022	9.7	2.5	3.1	14	171.5
MSS0099	413,647	7,290,093	0.014	0.030	5.9	2.5	3.1	15	130
MSS0100	413,502	7,289,947	0.012	0.026	9.4	2.8	3.4	17	106
MSS0101	413,367	7,289,816	0.012	0.026	7.4	1.8	2.2	12	134.5
MSS0102	413,227	7,289,662	0.013	0.028	17.3	2	2.4	15	93.2
MSS0103	413,086	7,289,525	0.012	0.026	10.5	2.3	2.8	14	156
MSS0104	412,945	7,289,386	0.012	0.026	8.9	2	2.4	13	135.5
MSS0105	412,802	7,289,242	0.009	0.019	8.2	2.7	3.3	15	151.5
MSS0106	412,652	7,289,099	0.015	0.032	11.3	2.7	3.3	13	160.5
MSS0107	412,518	7,288,956	0.015	0.032	6.7	2.2	2.7	14	110
MSS0108	412,369	7,288,817	0.012	0.026	5.5	2.2	2.7	14	103
MSS0109	412,235	7,288,678	0.011	0.024	11.1	2.1	2.6	13	184
MSS0110	413,081	7,288,394	0.011	0.024	7.7	2.6	3.2	12	208

Sample ID	Easting (MGA z50)	Northing (MGA z50)	Li (%)	Li_2O (%)	Cs (ppm)	Ta (ppm)	Ta_2O_5 (ppm)	Nb (ppm)	Rb (ppm)
MSS0111	413,223	7,288,531	0.012	0.026	8.3	2.2	2.7	12	159.5
MSS0112	413,366	7,288,674	0.013	0.028	11.5	2	2.4	13	185.5
MSS0113	413,505	7,288,819	0.014	0.030	17.2	3.3	4.0	19	157
MSS0114	413,641	7,288,959	0.011	0.024	13.9	2.1	2.6	14	181.5
MSS0115	413,792	7,289,105	0.008	0.017	6.4	1.9	2.3	13	136.5
MSS0116	413,932	7,289,245	0.011	0.024	12.7	2.1	2.6	15	158.5
MSS0117	414,072	7,289,384	0.01	0.022	7.4	1.6	2.0	11	142.5
MSS0118	414,214	7,289,533	0.016	0.034	7.5	1.6	2.0	12	127
MSS0119	414,365	7,289,670	0.01	0.022	7.7	1.5	1.8	12	149.5
MSS0120	414,490	7,289,809	0.009	0.019	7.3	2	2.4	10	134
MSS0121	414,636	7,289,943	0.01	0.022	6.1	1.9	2.3	11	107
MSS0122	414,778	7,290,084	0.008	0.017	14.8	1.8	2.2	9	187.5
MSS0123	415,346	7,289,526	0.008	0.017	5.8	1.7	2.1	13	125.5
MSS0124	415,483	7,289,666	0.009	0.019	9.2	1.7	2.1	10	138
MSS0125	415,626	7,289,810	0.007	0.015	12.5	1.8	2.2	10	186.5
MSS0126	415,771	7,289,950	0.006	0.013	6.6	1.6	2.0	9	151
MSS0127	415,911	7,290,094	0.006	0.013	4.7	1.2	1.5	8	136.5
MSS0128	416,198	7,289,244	0.009	0.019	9.3	1.4	1.7	11	124.5
MSS0129	416,330	7,289,379	0.007	0.015	6.6	1.5	1.8	9	110.5
MSS0130	416,474	7,289,524	0.007	0.015	6.5	1.6	2.0	9	140
MSS0131	416,617	7,289,662	0.006	0.013	6.2	1.6	2.0	9	152
MSS0132	416,764	7,289,829	0.008	0.017	6	1.5	1.8	9	119.5
MSS0133	416,880	7,289,909	0.005	0.011	4.7	1.3	1.6	8	133.5

Appendix C. The following tables are provided to ensure compliance with the JORC Code (2012) requirements for the reporting of Exploration Results for the Morrissey Hill Project.

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.*	• Rock Chip sampling was carried out at geologists discretion by a number of companies. Sampling was taken to test particular geological features therefore may not be representative of mineralisation at the particular project. • Soil sampling was carried out at a 800m x 200m spacing. Holes were dug below the surface and samples taken by sieving through a 2mm sieve and retaining the fine (<2mm) fraction. Samples are believed to be as representative as is required at this early stage of exploration based on sample size collected and method utilised. • Standard lab preparation and sub sampling techniques used.
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).*	• No drilling was carried out at the Morrissey Hill Project.
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.*	• No drilling was carried out at the Morrissey Hill Project.

Criteria	JORC Code explanation	Commentary
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.*	• No drilling was carried out at the Morrissey Hill Project.
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 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.*	• Standard lab preparation and sub sampling techniques used. • Appropriate protocols used for reconnaissance sampling.
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.*	• Rockchip and soil samples were analysed by ALS Laboratory in Perth (a quality certified laboratory). • For rockchips two sub samples were analysed, the first prepared using multi acid digestion and analysed for a suite of elements by ICP-AES and ICP-MS (ALS method ME-MS61). The second was analysed by sodium peroxide fusion and ICP-AES, with ICP-MS analysis for Cs, Rb, Nb, Ta and others carried out on the same solution (ALS method MS91-PKG). • For soils the samples were prepared and analysed by MS91-PKG. • These assay methods are considered appropriate for the metals being investigated.
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.*	• No verification has been completed as only primary data used. • Data is compiled directly from laboratory certificates into datasheets compiled by the consultant geologists. Checks against field notes and spatially utilising GIS software are completed. • Li (%) was converted to Li_2O (%) by multiplying by 2.153 • Ta (ppm) was converted to Ta_2O_5 (ppm) by multiplying by

Criteria	JORC Code explanation	Commentary
	• *Discuss any adjustment to assay data..*	1.221
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.*	• All samples are located with a handheld GPS and an accuracy of +/- 5m. • Grid used for the samples is MGA94 Zone 50. • Topographic control is provided by publically available data.
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.*	• Data spacing used for soils samples is relatively wide spread, indicating the first pass nature of this survey.
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.*	• Soil sampling grid was oriented to the NE as pegmatites were observed in E – W and N – S orientations. This orientation was felt best to obtain an unbiased result. • Once the orientation of these pegmatites is ascertained in more detail then the orientation of future surveys as well as drilling may be refined.
Sample security	• *The measures taken to ensure sample security.*	• All samples were submitted directly to the lab, or to a freight contractor to carry directly to the lab..
Audits or reviews	• *The results of any audits or reviews of sampling techniques and data.*	• None completed to date.

Section 2 Reporting of Exploration Results

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.*	• E09/2132, E09/2133 and E09/2136-1 are held by Mineral Developments Pty Ltd (MinDev). Pure has executed an agreement to acquire 80% of MinDev. • All tenements are granted and Heritage Agreements are in place with the Thudgari, Wajarri and Gnulli Claimant Groups.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• Previous exploration was completed by the GSWA, Agip, Nord Resources, Kookynie Resources, Kalgoorlie South Gold Mines, Rare Resources, Helix Resources, and

Criteria	JORC Code explanation	Commentary
		Encounter Resources.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• All tenements are located within the Gascoyne province of WA, which is the deformed and high-grade metamorphic core of the early Proterozoic Capricorn Orogen which lies between the Pilbara Craton and the Yilgarn Block. Tectonic trends within the Gascoyne Province wrap around the margins of these relatively stable cratons. The Gascoyne Province comprises voluminous granitoid intrusions, mantled-gneiss domes, metamorphosed and partly melted sedimentary rocks and remobilised Archaean basement gneiss. While the Gascoyne Province is not as well endowed with operating mines when compared to the Yilgarn and Pilbara Cratons there is evidence for mineralised systems being active within the Capricorn Orogen and a number of recent exploration successes point to the potential of the Province. • Target mineralisation at the Morrissey Hill Project is pegmatite hosted U-Li-REE mineralisation (LCT model) and secondary calcrete U mineralisation.
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a tabulation of the following information for all Material drill holes:* ○ *easting and northing of the drill hole collar* ○ *elevation or RL (Reduced Level – elevation above sea level in metres) of the drill hole collar* ○ *dip and azimuth of the hole* ○ *down hole length and interception depth* ○ *hole length.* • *If the exclusion of this information is justified on the basis that the information is not Material and this exclusion does not detract from the understanding of the report, the Competent Person should clearly explain why this is the case.*	• No drilling was carried out at the Morrissey Hill Project. • All geochemical data is included in Appendices 1 and 2.
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any*	• No data aggregation or metal equivalents have been used.

Criteria	JORC Code explanation	Commentary
	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').*	• No drilling was carried out at the Morrissey Hill Project.
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.*	• Maps and appropriate plans are included in 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 results are tabulated in Appendices A & B and shown on figures in 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.*	• Substantial open file data including historical exploration reports by companies listed above, geophysical and ASTER data has been summarised in previous releases.
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.*	• As detailed in the report.