MINERAL RESOURCES LIMITED

WODGINA EXPLORATION UPDATE

17 March 2017

EXECUTIVE SUMMARY

- **Significant pegmatite intercepts continue to be drilled with assays pending.**
- **Grades >4% Li_2O recorded at the Cassiterite NE prospect.**

EXPLORATION UPDATE FOR THE WODGINA CASSITERITE NE PROSPECT

Mineral Resources Limited (ASX: MIN) ("MRL"), are pleased to announce an exploration update and significant Li_2O intervals from an on-going exploration drilling program at the Wodgina Lithium Project, carried out between September 2016 to present.

The exploration drill program has to date been successful in intercepting high grade Li_2O pegmatites, from which two resource estimates for the Wodgina Lithium project have been generated. The first 25Mt at 1.38% Li_2O from the Cassiterite pit (refer to MIN ASX announcement dated 17/02/2017) and the second an upgrade to 65Mt at 1.38% Li_2O from a 40Mt maiden resource from the Cassiterite NE prospect, in addition to the Cassiterite pit (refer to MIN ASX announcement dated 02/03/2017). MRL are confident of increasing the resource, based on further exploration, continuity of geology and significant pegmatite intercepts.

Exploration drilling at Cassiterite NE is ongoing with further significant intercepts:

- WLRC0043 with 108m@1.7% Li_2O from 190 to 298 metres
- WLRC0044 with 135m@1.9 % Li_2O from179 to 316 metres
- WLRC0039 with 127m@1.8% Li_2O from 186 to 313 metres

Drill results for easterly drill holes at the Cassiterite NE prospect have highlighted the potential to expand the resource, (refer to Long section 03) with high grade assays including:

- WLRC0047 with 130m of mineralised pegmatite including 83m@1.7% Li_2O from 47 to 130 metres
- WLRC0048 with 130m of mineralised pegmatite including 49m@1.6% Li_2O from 69 to 118 metres

A complete table of significant intervals is attached.

In addition, the following assays have been returned with exceptional grades >4% Li_2O, indicating a unique deposit for the region:

- WLRC0042 with 2m@4.3% Li_2O from 286 to 288 metres, 1m@4.04% Li_2O from 298 to 299 metres and 2m@4.58% Li_2O from 302 to 304 metres
- WLRC0044 with 1m@4.3% Li_2O from 278 to 279 metres and 7m@4.34 % Li_2O from 296 to 303 metres

Recent drill holes, WLRC0113 and WLRC0114, located to the western end of the Cassiterite NE prospect, have intercepted significant pegmatite intervals >100m thick and with potential to extend the Cassiterite NE resource a further 120m (refer to Long section 01).

Pending heritage clearance, further step out and regional drilling will be undertaken to assess the prospects greater potential (refer to cross section 04).

Figure 1 - Plan view of the Cassiterite NE prospect

With the red areas and arrows indicating areas to potentially expand the boundaries of the mineralised pegmatite

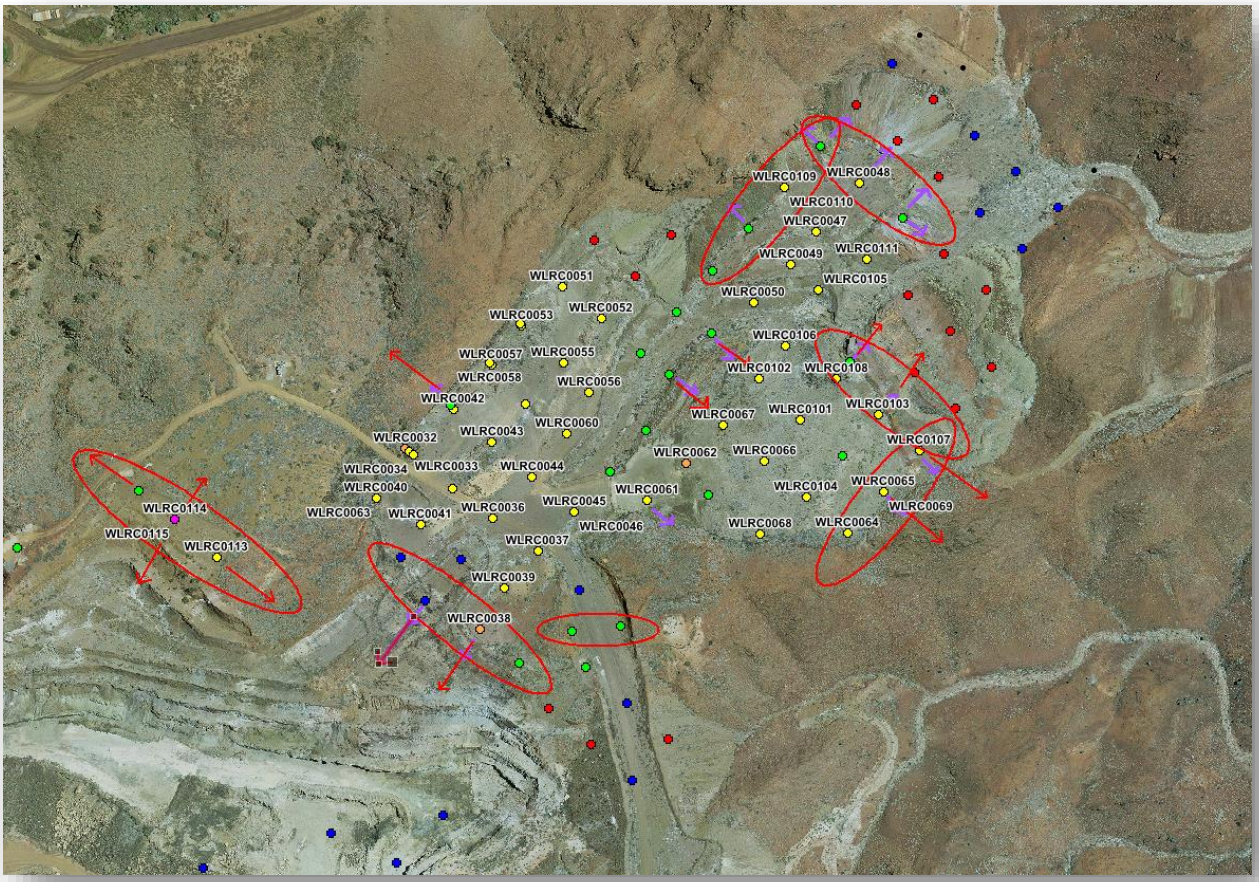


Figure 2 - Long section 03 across Cassiterite NE

Showing area included in the new resource area with assays pending and area still to be drilled. Note that WLRC0047 and WLRC0048 have not yet been included as part of the Cassiterite NE resource estimate, as we are awaiting further assays.

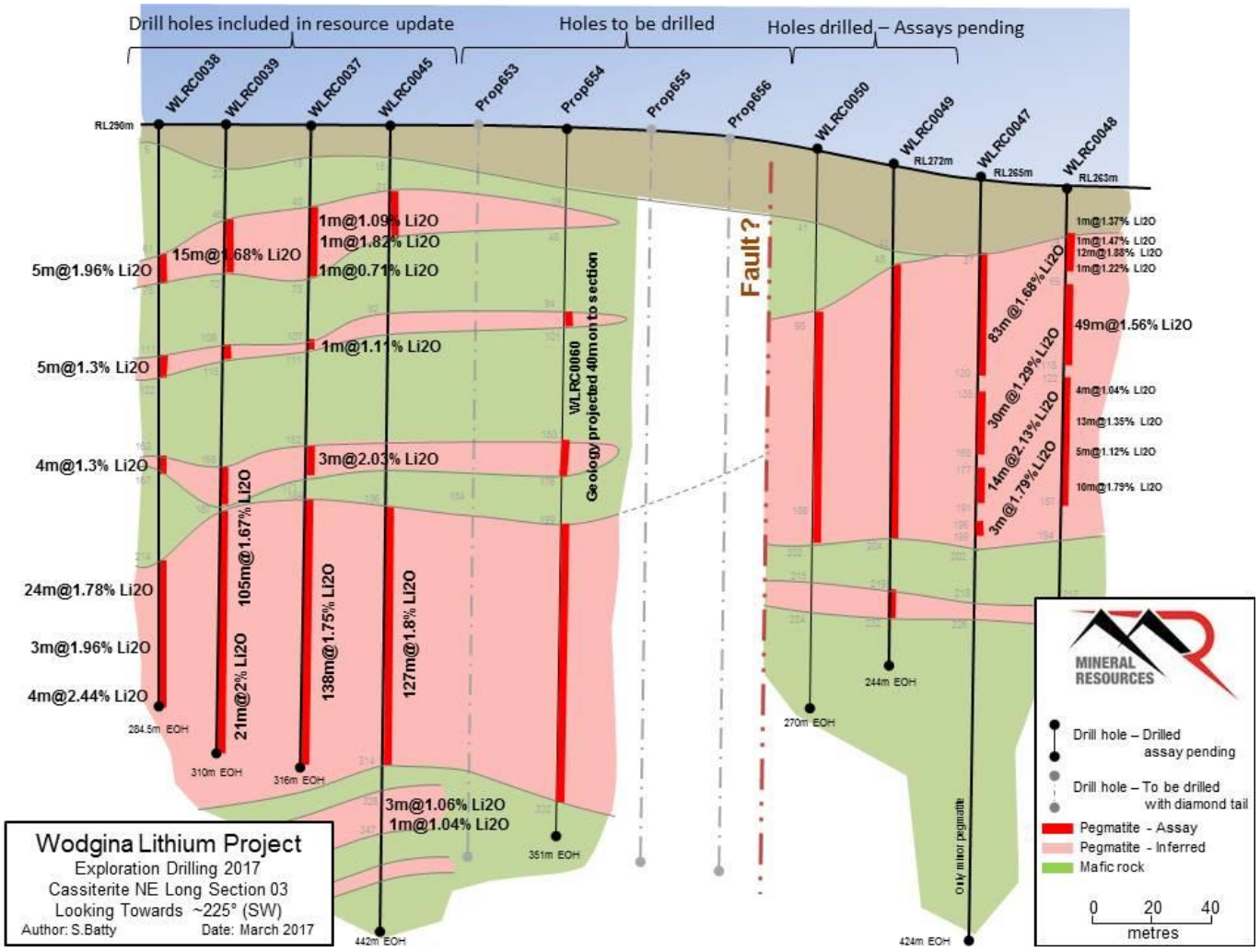


Figure 3 - Long section 01 across Cassiterite NE

The section shows the significant step out to the west that could expand the Cassiterite NE resource a further 120m along strike, once assays have been returned.

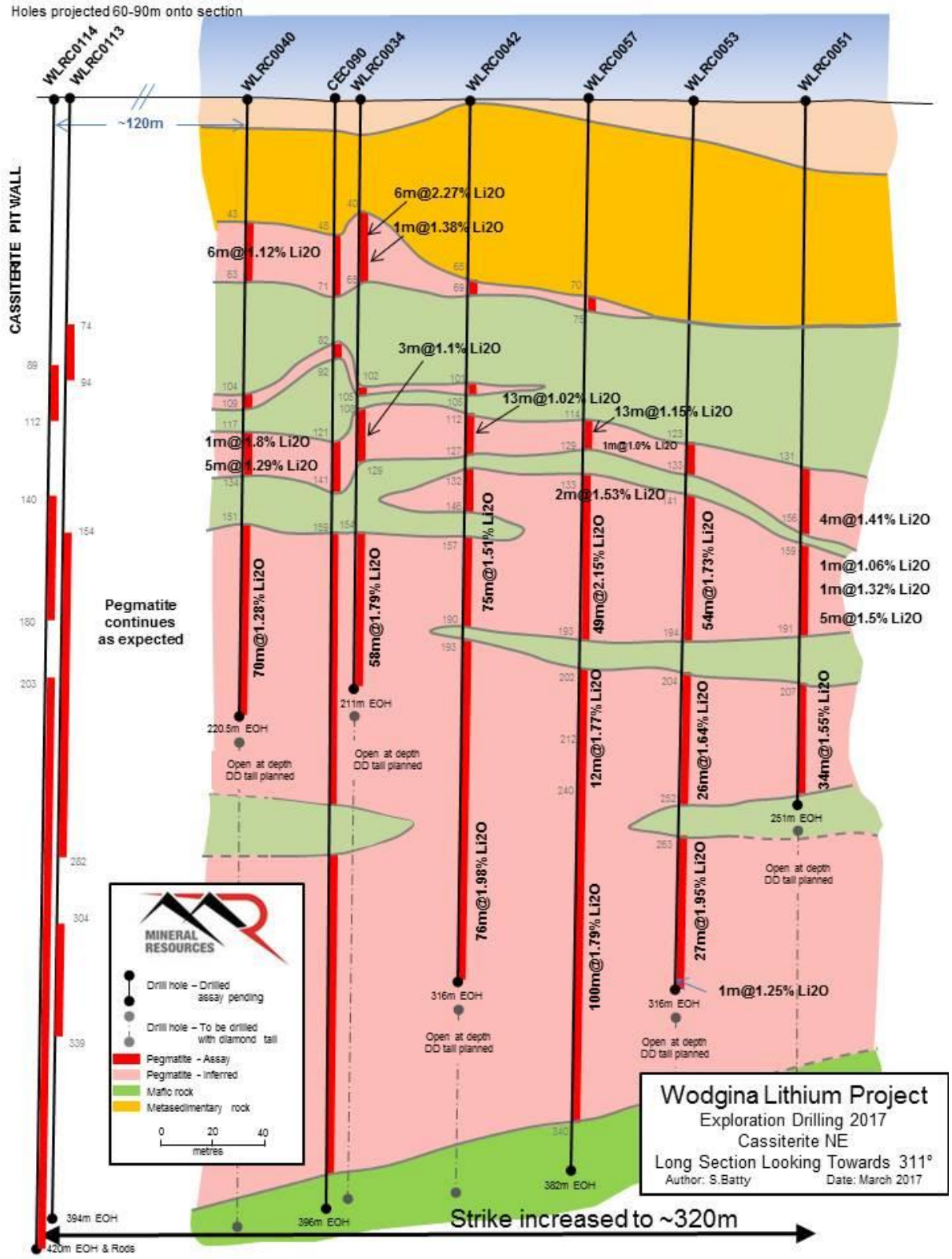
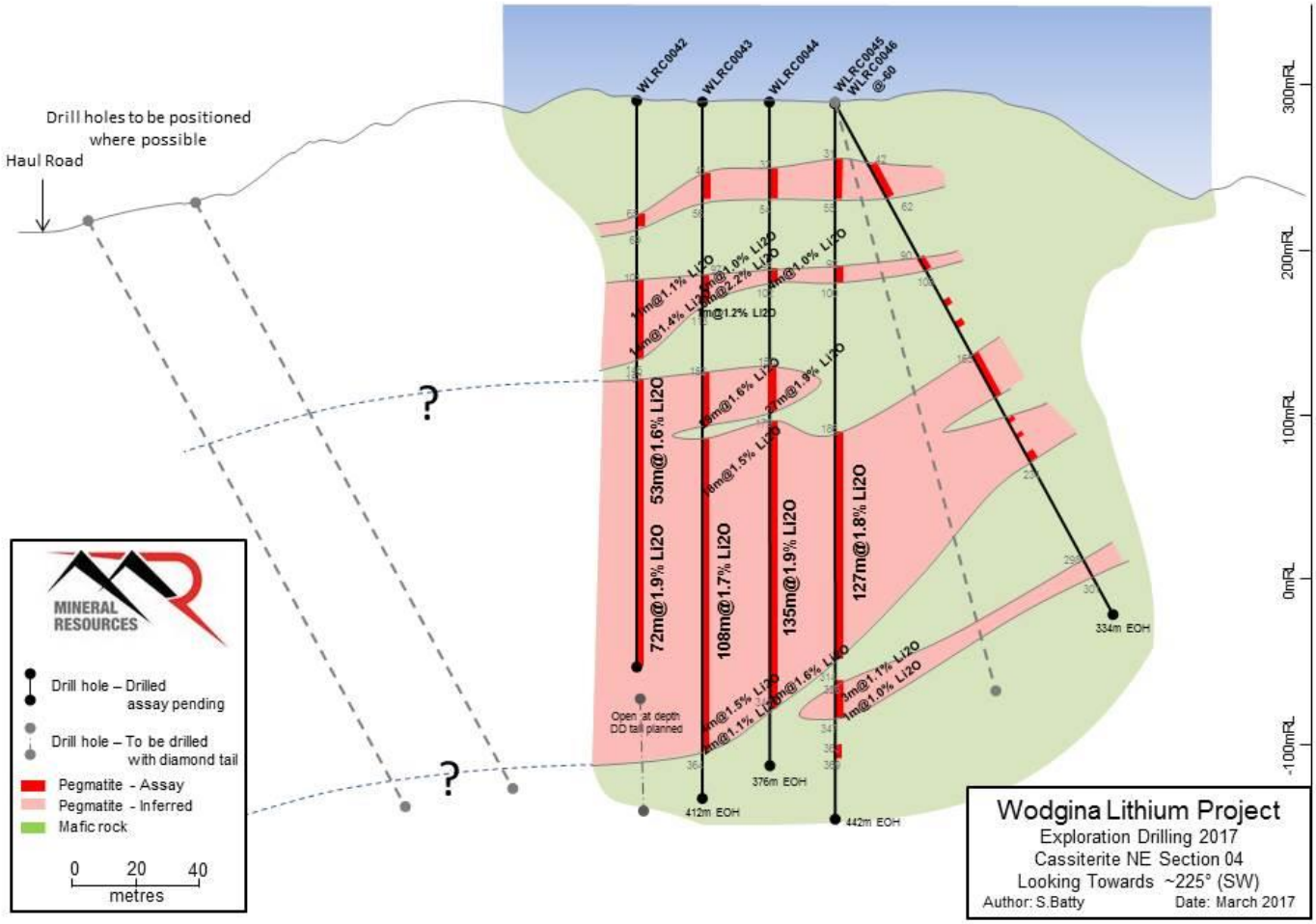


Figure 4 - Cross section 04 across the Cassiterite NE prospect

To show one of the significant step out areas to the northwest that will be tested, once heritage clearance has been approved.



COLLAR TABLE FOR RECENT RESOURCE & EXPLORATION AT THE WODGINA PROJECT

Hole ID	Easting MGA	Northing MGA	MGA RL	Azimuth	Dip	Actual Hole Length (EOH)	Assays Returned
CASSITERITE NORTH EAST RESOURCE & EXPLORATION DRILLING							
WLRC0026	674,042	7,655,726	239	311	-80	184	Yes
WLRC0027	674,053	7,655,948	223	311	-45	177	Yes
WLRC0028	674,154	7,655,861	250	311	-60	220	Yes
WLRC0029	674,155	7,655,860	250	0	-90	214	Yes
WLRC0030	674,161	7,655,855	251	131	-60	200	Yes
WLRC0031	674,209	7,655,881	253	311	-60	232	Yes
WLRC0033	674,141	7,656,307	290	311	-60	181	Yes
WLRC0034	674,144	7,656,304	290	0	-90	211	Yes
WLRC0035	674,173	7,656,280	290	0	-90	250	Yes
WLRC0036	674,203	7,656,258	290	0	-90	316	Yes
WLRC0037	674,235	7,656,234	289	0	-90	316	Yes
WLRC0039	674,211	7,656,207	289	0	-90	310	Yes
WLRC0040	674,117	7,656,272	291	0	-90	220.5	Yes
WLRC0041	674,150	7,656,253	290	0	-90	310	Yes
WLRC0042	674,174	7,656,337	291	0	-90	316	Yes
WLRC0043	674,202	7,656,313	290	0	-90	412	Yes
WLRC0044	674,231	7,656,288	290	0	-90	376	Yes
WLRC0045	674,262	7,656,262	289	0	-90	442	Yes
WLRC0046	674,262	7,656,262	289	131	-60	334	Yes
WLRC0047	674,438	7,656,467	266	0	-90	424	Yes
WLRC0048	674,470	7,656,503	263	0	-90	238	Yes
WLRC0049	674,420	7,656,444	272	0	-90	244	Yes
WLRC0050	674,393	7,656,415	274	0	-90	270	Yes
WLRC0051	674,253	7,656,427	289	0	-90	251	Yes
WLRC0052	674,282	7,656,404	289	0	-90	322	Yes
WLRC0053	674,224	7,656,399	290	0	-90	316	Yes
WLRC0054	674,222	7,656,400	290	311	-60	316	Yes
WLRC0055	674,254	7,656,372	289	0	-90	310	Yes
WLRC0056	674,273	7,656,350	289	0	-90	364	Yes
WLRC0057	674,198	7,656,371	291	0	-90	382	Yes
WLRC0058	674,198	7,656,371	291	311	-60	232	Yes
WLRC0059	674,228	7,656,344	290	0	-90	376	Yes
WLRC0060	674,258	7,656,318	290	0	-90	351	Pending
WLRC0061	674,318	7,656,266	288	0	-90	350	Pending
WLRC0063	674,117	7,656,272	291	0	-90	379	Pending
WLRC0064	674,461	7,656,247	275	0	-90	256	Pending
WLRC0065	674,488	7,656,278	274	0	-90	232	Pending
WLRC0066	**674,407**	**7,656,305**	**275**	**0**	**-90**	**280**	**Pending**
WLRC0067	**674,381**	**7,656,339**	**275**	**0**	**-90**	**227**	**Pending**
WLRC0068	**674,407**	**7,656,247**	**276**	**0**	**-90**	**208**	**Pending**
WLRC0069	**674488**	**7656278**	**274**	**131**	**-60**	**264**	**Pending**
WLRC0070	**674461**	**7656247**	**275**	**131**	**-60**	**250**	**Pending**
WLRC0071	**674483**	**7656333**	**273**	**45**	**-60**	**Now drilling**	**Pending**
WLRC0101	674,427	7,656,330	274	0	-90	256	Pending
WLRC0102	674,397	7,656,356	274	0	-90	220	Pending
WLRC0103	674,484	7,656,334	273	0	-90	214	Pending
WLRC0104	674,431	7,656,274	275	0	-90	262	Pending
WLRC0105	674,450	7,656,417	273	0	-90	220	Pending
WLRC0106	674,423	7,656,386	273	0	-90	208	Pending
WLRC0107	674,514	7,656,308	273	0	-90	180	Pending

WLRC0108	674,454	7,656,360	273	0	-90	202	Pending
WLRC0109	674,415	7,656,499	267	0	-90	238	Pending
WLRC0110	674,415	7,656,499	267	311	-60	172	Pending
WLRC0111	674,476	7,656,447	260	0	-90	216	Pending
WLRC0112	**674,465**	**7,656,453**	**264**	**131**	**-60**	**274**	**Pending**
WLRC0113	**674001**	**7656229**	**320**	**0**	**-90**	**394**	**Pending**
WLRC0114	**673970**	**7656257**	**320**	**221**	**-70**	**406**	**Pending**
WLRC0115	**673970**	**7656257**	**320**	**41**	**-60**	**406**	**Pending**
WLRC0116	**674,171**	**7,656,340**	**291**	**311**	**-60**	**Now drilling**	**Pending**

*Holes in blue have been completed since the first exploration ASX announcement on 17/02/2017.

TABLE OF SIGNIFICANT INTERVALS FROM INFILL AND EXPLORATION DRILLING AT THE WODGINA PROJECT

HOLE	MGA94 z51		AHD_RL (m)	From (m)	To (m)	Apparent Thickness (m)	Li2O (%)	Lithology
	Easting (m)	Northing (m)						
CASSITERITE PIT – INFILL RC DRILLING								
WLRC0002	673977	7655649	230	25	31	6	1.29	Pegmatite
				111	127	16	1.21	Pegmatite
				194	199	5	1.37	Pegmatite
WLRC0003	674002	7655706	236	4	13	9	2.21	Pegmatite
				93	102	9	1.88	Pegmatite
				127	148	21	1.99	Pegmatite
				150	155	5	2.04	Pegmatite
				156	179	23	1.51	Pegmatite
WLRC0004	673952	7655670	230	2	10	8	1.62	Pegmatite
				20	30	10	1.80	Pegmatite
				104	126	22	1.77	Pegmatite
				164	169	5	1.62	Pegmatite
				176	186	10	1.33	Pegmatite
WLRC0005	674040	7655728	239	85	92	7	2.12	Pegmatite
				133	167	34	2.08	Pegmatite
WLRC0008	674002	7655758	237	59	65	6	1.43	Pegmatite
				81	87	6	1.30	Pegmatite
				117	156	39	1.85	Pegmatite
WLRC0009	674114	7655964	230	17	43	26	1.43	Pegmatite
				112	119	7	1.91	Pegmatite
WLRC0010	674017	7655814	234	27	46	19	1.50	Pegmatite
				65	72	7	1.21	Pegmatite
				90	121	31	1.82	Pegmatite
				122	147	25	2.20	Pegmatite
				199	221	22	1.46	Pegmatite
				232	240	8	1.78	Pegmatite
WLRC0011	674082	7655924	221	8	78	70	1.82	Pegmatite
				80	99	19	1.16	Pegmatite
				116	121	5	1.40	Pegmatite
WLRC0012	674029	7655871	229	10	19	9	1.37	Pegmatite
WLRC0012a	674031	7655871	229	0	6	6	1.03	Pegmatite
				11	19	8	1.35	Pegmatite
				51	67	16	1.79	Pegmatite
				82	123	55	1.81	Pegmatite
				179	191	12	1.94	Pegmatite
				207	219	12	1.70	Pegmatite
				229	236	7	1.60	Pegmatite
				275	280	5	1.35	Pegmatite
WLRC0013	673917	7655770	200	6	31	25	1.78	Pegmatite
				68	76	8	1.25	Pegmatite
				90	112	22	1.72	Pegmatite
				139	160	21	1.53	Pegmatite

WLRC0016	673889	7655721	200	36	106	70	1.79	Pegmatite
				114	127	13	1.82	Pegmatite
WLRC0017	673919	7655766	200	13	73	60	1.79	Pegmatite
				81	95	14	1.72	Pegmatite
				113	129	16	1.44	Pegmatite
WLRC0018	673933	7655822	200	14	18	4	1.68	Pegmatite
				28	59	31	1.88	Pegmatite
				63	81	18	1.47	Pegmatite
				124	165	41	1.68	Pegmatite
				172	197	25	1.26	Pegmatite
WLRC0019	673934	7655821	200	24	28	4	1.35	Pegmatite
				33	74	41	1.76	Pegmatite
				88	105	17	1.85	Pegmatite
				112	116	4	1.39	Pegmatite
				163	180	17	1.50	Pegmatite
				188	202	14	1.18	Pegmatite
WLRC0020	673969	7655945	200	1	50	49	1.70	Pegmatite
				51	63	12	1.24	Pegmatite
				94	102	8	1.16	Pegmatite
WLRC0021	673866	7655747	210	18	30	12	1.82	Pegmatite
				52	58	6	1.23	Pegmatite
				63	82	19	1.91	Pegmatite
				121	136	15	1.85	Pegmatite
WLRC0022	673865	7655748	210	29	47	18	1.06	Pegmatite
				52	58	6	1.54	Pegmatite
				77	83	6	1.28	Pegmatite
				86	95	9	1.51	Pegmatite
				106	126	20	1.09	Pegmatite
				188	203	15	1.80	Pegmatite
WLRC0024	673890	7655795	208	25	31	6	1.20	Pegmatite
				40	89	49	1.77	Pegmatite
				108	131	23	1.58	Pegmatite
				156	176	20	1.93	Pegmatite
WLRC0025	673900	7655852	200	2	51	49	1.52	Pegmatite
				52	60	8	1.26	Pegmatite
				99	110	11	1.31	Pegmatite
				143	154	11	1.66	Pegmatite
				170	181	11	1.69	Pegmatite
WLRC0026	674042	7655726	239	119	130	11	1.48	Pegmatite
WLRC0027	674053	7655948	223	2	15	13	1.18	Pegmatite
				39	69	30	1.64	Pegmatite
WLRC0028	674154	7655861	250	110	140	30	1.48	Pegmatite
				141	177	36	1.74	Pegmatite
WLRC0031	674209	7655881	253	155	162	7	1.66	Pegmatite
				173	198	25	1.85	Pegmatite

HOLE	MGA94 z51		AHD_RL (m)	From (m)	To (m)	Apparent Thickness (m)	Li2O (%)	Lithology
	Easting (m)	Northing (m)						
CASSITERITE NORTH EAST – EXPLORATION RC DRILLING								
WLRC0033	674141	7656307	290	97	109	12	2.62	Pegmatite
				165	181	16	1.25	Pegmatite
WLRC0034	674144	7656304	290	46	59	13	1.35	Pegmatite
				116	119	3	1.10	Pegmatite
				153	211	58	1.79	Pegmatite
WLRC0035	674173	7656280	290	148	206	58	1.61	Pegmatite
				229	234	5	1.08	Pegmatite
				243	250	7	1.27	Pegmatite
WLRC0036	674203	7656258	290	157	170	13	1.74	Pegmatite
				184	217	33	1.54	Pegmatite
				224	315	91	2.04	Pegmatite
				Including 1m @5.21% Li_2O 198 to 199m Including 4m @4.39% Li_2O 227 to 231m Including 1m @4.16% Li_2O 275 to 276m				
WLRC0037	674235	7656234	289	158	171	13	2.03	Pegmatite
				184	316	132	1.76	Pegmatite
				Including 1m @5.19% Li_2O 282 to 283m Including 2m @4.43% Li_2O 302 to 304m Including 2m @4.21% Li_2O 307 to 308m				
WLRC0038	674193	7656177	290	64	69	5	1.96	Pegmatite
				113	118	5	1.3	Pegmatite
				161	165	4	1.30	Pegmatite
				215	239	24	1.78	Pegmatite
				261	264	3	1.96	Pegmatite
				276	284	9	2.44	Pegmatite
WLRC0039	674211	7656207	289	55	70	15	1.68	Pegmatite
				171	276	105	1.67	Pegmatite
				290	310	21	2.0	Pegmatite
				Including 2m @4.89% Li_2O 300 to 302m				
WLRC0040	674,117	7,656,272	290	51	56	5	1.24	Pegmatite
				117	118	1	1.8	Pegmatite
				122	126	5	1.09	Pegmatite
				151	196	45	1.67	Pegmatite
				217	220	3	1.15	Pegmatite
WLRC0041	674,149	7,656,253	290	69	72	3	1.47	Pegmatite
				144	176	33	1.82	Pegmatite
				191	207	17	1.5	Pegmatite
				217	219	2	1.23	Pegmatite
				223	235	12	1.07	Pegmatite
				245	259	14	1.25	Pegmatite
				276	310	35	1.52	Pegmatite
				Including 1m @4.24% Li_2O 168 to 169m				
WLRC0042	674,173	7,656,337	291	112	125	13	1.02	Pegmatite

				132	211	75	1.51	Pegmatite
				244	316	76	1.98	Pegmatite
				Including 2m @4.32% Li_2O 286 to 288m **Including 1m @4.04% Li_2O 298 to 299m** **Including 2m @4.58% Li_2O 302 to 304m**				
WLRC0043	674,202	7,656,313	290	104	111	7	1.97	Pegmatite
				152	182	30	1.55	Pegmatite
				190	212	22	1.31	Pegmatite
				228	344	116	1.68	Pegmatite
				Including 1m @4.12% Li_2O 238 to 239m **Including 1m @4.20% Li_2O 321 to 322m**				
WLRC0044	674,231	7,656,288	290	94	99	4	1.01	Pegmatite
				148	182	34	1.65	Pegmatite
				196	330	134	1.89	Pegmatite
				335	336	1	1.62	Pegmatite
				Including 1m @4.18% Li2O 159 to 160m **Including 1m @4.43% Li2O 166 to 167m** **Including 1m @4.25% Li2O 278 to 279m** **Including 7m @4.34% Li2O 296 to 303m**				
WLRC0045	674,262	7,656,263	290	33	41	8	1.68	Pegmatite
				94	98	4	1.43	Pegmatite
				185	312	127	1.80	Pegmatite
				335	338	3	1.06	Pegmatite
				Including 1m @4.46% Li2O 37 to 38m **Including 1m @4.02% Li2O 201 to 202m**				
WLRC0046	674,262	7,656,263	290	45	55	10	1.49	Pegmatite
				102	104	2	1.12	Pegmatite
				168	170	2	1.27	Pegmatite
				176	187	11	1.96	Pegmatite
WLRC0047	674,438	7,656,467	266	37	121	84	1.67	Pegmatite
				135	165	30	1.29	Pegmatite
				177	191	14	2.13	Pegmatite
				196	199	3	1.15	Pegmatite
WLRC0048	674,470	7,656,503	263	24	26	2	1.01	Pegmatite
				46	64	18	1.46	Pegmatite
				69	125	56	1.46	Pegmatite
				141	154	13	1.35	Pegmatite
				160	166	6	1.04	Pegmatite
				174	187	13	1.51	Pegmatite
				Including 1m @4.05% Li2O 96 to 97m				
WLRC0049	674,420	7,656,444	272	59	93	34	1.16	Pegmatite
				109	126	17	2.29	Pegmatite
				161	167	6	1.19	Pegmatite
				180	202	22	1.50	Pegmatite
WLRC0050	674,393	7,656,415	274	89	92	3	1.12	Pegmatite
				116	154	38	1.57	Pegmatite
				158	167	9	1.46	Pegmatite

				215	224	9	1.45	
WLRC0051	674253	7656427	289	137	141	4	1.41	Pegmatite
				179	184	5	1.50	Pegmatite
				208	242	34	1.55	Pegmatite
WLRC0052	674282	7656404	289	167	172	5	1.59	Pegmatite
				184	189	5	1.45	Pegmatite
				227	229	2	1.21	Pegmatite
WLRC0053	674224	7656399	290	140	194	54	1.73	Pegmatite
				205	231	26	1.64	Pegmatite
				279	306	27	1.95	Pegmatite
				Including 3m @4.51% Li2O 160 to 163m **Including 1m @4.14% Li2O 280 to 281m** **Including 1m @4.27% Li2O 297 to 298m**				
WLRC0054	674222	7656400	290	177	188	11	2.01	Pegmatite
				207	227	20	1.21	Pegmatite
				235	252	17	1.77	Pegmatite
				Including 1m @4.91% Li2O 242 to 243m				
WLRC0055	674,393	7,656,415	274	111	112	1	1.06	Pegmatite
				117	119	2	1.04	Pegmatite
				153	155	2	1.07	Pegmatite
				160	166	6	1.06	Pegmatite
				174	176	2	2.18	Pegmatite
				179	181	2	1.32	Pegmatite
				206	225	19	1.00	Pegmatite
				261	263	2	1.01	Pegmatite
WLRC0056	674,273	7,656,350	289	148	178	30	1.38	Pegmatite
				200	211	11	1.06	Pegmatite
				215	217	2	1.73	Pegmatite
				247	275	28	1.46	Pegmatite
WLRC0057	674,201	7,656,370	291	113	123	10	1.15	Pegmatite
				137	193	56	1.99	Pegmatite
				200	214	14	1.61	Pegmatite
				240	340	100	1.78	Pegmatite
				Including 1m @4.00% Li2O 174 to 175m **Including 1m @4.31% Li2O 258 to 259m** **Including 1m @4.17% Li2O 295 to 296m** **Including 2m @4.27% Li2O 301 to 303m**				
WLRC0058	674,200	7,656,371	291	158	159	1	1.31	Pegmatite
				164	182	18	1.48	Pegmatite
				186	200	14	1.28	Pegmatite
				208	232	24	1.59	Pegmatite

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COMPETENT PERSON'S STATEMENT

The information in this report that relates to Exploration Results is based on information compiled by Dr Steven Batty, who is a full time employee of Mineral Resources Limited. Dr Batty is a Member of The Australasian Institute of Geologists and has sufficient experience which is relevant to the style of mineralisation and type of deposit under consideration and to the activity which he is undertaking to qualify as a Competent Persons as defined in the 2012 Edition of the 'Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves'. The Competent Person consents to the inclusion in the report of the matters based on their information in the form and context in which it appears.

The information in this report which relates to Mineral Resources is extracted from announcements dated 17/2/17 and 2/3/17, which are available to view on www.mineralresources.com.au. The company confirms that it is not aware of any new information or data that materially affects the information included in the original market announcement and, in the case of estimates of Mineral Resources, that all material assumptions and technical parameters underpinning the estimates in the relevant market announcement continue to apply and have not materially changed. The company confirms that the form and context in which the Competent Person's findings are presented have not been materially modified from the original market announcement.

JORC Code, 2012 Edition – Table 1

Note: Parts of Table 1 relating to Exploration drilling describe recent activity to March 2017.

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.	• Deposits have been sampled by Reverse Circulation (RC) drilling. • RC – Rig mounted cone splitter used, with samples falling through an inverted cone splitter, splitting the sample in 90/10 ratio. 10% off-split retained in a calico bag. 90% split residue stored on ground. All pegmatite intercepts sampled at 1m intervals plus 2m of adjacent waste sent for lab analysis.
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).	• RC – Reverse circulation drilling was carried out using a face sampling hammer and a 142mm diameter bit.
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.	• RC – Approximate recoveries are recorded as a percentage based on visual and weight estimates of the sample. • There is no known relationship between sample recovery and grade.
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.	• Chip samples have been logged by qualified Geologists to a level of detail sufficient to support a Mineral Resource estimate, mining studies and metallurgical studies. • RC – logging was carried out on a metre by metre basis and at the time of drilling. All intervals were logged. • Logging is qualitative and quantitative.
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.	• No core • RC – Cyclone mounted cone splitter used. • RC chips were dried at 100C. All samples below approximately 4kg were totally pulverised in LM5's to nominally 85% passing a 75µm screen. The few samples generated above 4kg were crushed to <6mm and riffle split first prior to pulverisation. • The measures taken to ensure the RC sampling is representative of the in situ material collected included the insertion of a duplicate sample at an incidence of 1 in 25. • Commercially prepared certified reference materials (CRM) were inserted amongst the drill samples. • For RC samples, no formal heterogeneity study has been carried out or nomographed. An informal analysis suggests that the sampling protocols currently in use are appropriate to the mineralisation encountered and should provide representative results. As such, samples sizes are considered appropriate.
Quality of assay data and	• The nature, quality and appropriateness of the assaying and laboratory procedures used and whether the technique is considered partial or total.	• The lab QAQC protocols used for the RC drill samples included the insertion of a duplicate sample at an incidence of 1 in 20, one of three types of CRM's at an incidence of 1

Criteria	JORC Code explanation	Commentary
laboratory tests	• 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.	in 10, and repeats at an incidence of 1 in 10. • No hand held analytical instruments were used in the field. • QAQC data is assessed on import into the database and reported yearly.
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.	• Significant intersections not verified. • Sample data is stored using a customised Access database using semi-automated or automated data entry. Hard copies of primary data stay in the field during the exploration campaign and are brought back to the Perth office post campaign for storage. • No adjustments were made to the assay data.
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.	• Collar positions were recorded using a hand held Global Positioning System (GPS). Post-drilling collar positions were recorded using a Differential GPS. The majority of holes were drilled vertically with approximately 10 drilled at -60°. • The grid system is MGA Zone 51 (GDA94) for horizontal data and AHD (based on AusGeoid09) for vertical data. • Topographic control is from Digital Elevation Contours (DEM) 2016 based on 1m contour 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.	• RC holes are generally based on 40m x 40m drill spacing. • The data spacing and distribution is sufficient to establish geological and or grade continuity appropriate for future Mineral Resource and classifications to be applied. • RC samples are composited to 1m through the mineralisation and two metres either side.
Orientation of data in relation to geological structure	• Whether the orientation of sampling achieves unbiased sampling of possible structures and the extent to which this is known, considering the deposit type. • If the relationship between the drilling orientation and the orientation of key mineralised structures is considered to have introduced a sampling bias, this should be assessed and reported if material.	• The orientation of sampling is designed to be perpendicular to the main mineralisation trends were possible. • The orientation achieves unbiased sampling of all possible mineralisation and the extent to which this is known.
Sample security	• The measures taken to ensure sample security.	• RC – All samples are bagged in numbered calico bags, grouped into larger tied polyweave bags, and placed in a large bulka bag with a sample submission sheet. The bulka bags are transported via freight truck to Perth, with consignment note and receipted by external laboratory (NAGROM). • All sample submissions are documented and all assays are returned via email. • Sample pulp splits are stored in Mineral Resources Limited (MRL) facilities.
Audits or reviews	• The results of any audits or reviews of sampling techniques and data.	• All recent sample data has been reviewed internally by MRL Geologists. • No external audits have been carried out on the sample data.

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.*	• Wodgina is located wholly within Mining Licence M45/50, M45/353, M45/383 & M45/887. The tenements are wholly owned by GLOBAL ADVANCED METALS WODGINA PTY LTD (formerly TALISON WODGINA PTY LTD). The tenements are within the Karriyarra native title claim and is subject to the Land Use Agreement dated March 2001 between the Karriyarra People and Gwalia Tantalum Ltd (now Global Advanced Metals). • The tenement is in good standing and no known impediments exist. • The drilling is located on M45/50-I and M45/365-I held in the name of Wodgina Lithium a 100% subsidiary of MRL. M45/50-I and is not up for renewal until 2026 and M45/365-I is not up for renewal until 2030.
Exploration done by other parties	• *Acknowledgment and appraisal of exploration by other parties.*	• MRL has carried out drilling of 107 holes between September 2016 and March 2017 for a total of 24,708m. • All exploration during the current reporting period was carried out by MRL.
Geology	• *Deposit type, geological setting and style of mineralisation.*	• The 3600-2800Ma north Pilbara basement terrane consists of a series of ovoid multiphase granitoid-gneiss domes bordered by sinuous synformal to monoclinal greenstone belts. • The Wodgina Greenstone Belt is a north to northeast plunging synclinal structure 25km long and 5km wide, preserved as a roof pendant separating the Yule and Carlindi granitoid complexes. It is composed principally of interlayered mafic and ultramafic schists and amphibolite, with subordinate komatiite, clastic sediments, BIF and chert. The komatiitic and metasedimentary units within the Wodgina area are tentatively correlated to the Kunagunarrina and Leilira Formations respectively. • Archean volcanic activity and sedimentation was followed by the intrusion of Archean granitic batholiths with consequent deformation and metamorphism of the sequence. Late stage granitic intrusions resulted in the emplacement of simple and complex pegmatite sills and barren quartz veins. • The Wodgina pegmatite district contains a number of prospective pegmatite groups, including the Wodgina Deposit. • The Wodgina lithium mineralisation is hosted within a number of sub-parallel, sub-horizontal, northeast trending pegmatite intrusive bodies. The base of the massive pegmatite, with an apparent dip at between 5° to 30° to the west-southwest. • At this time individual pegmatites vary in strike length from approximately 200m to 400m. The thinner near surface pegmatites vary from 10m to 30m in thickness, but vary locally from less than 2m to up to 35m thick. The massive basal pegmatite varies from 120m to 200m thick. The pegmatites intrude the mafic volcanic and metasedimentary host rocks of the surrounding greenstone belt. • The lithium in the Cassiterite Pit and shallower pegmatites occurs as 10 - 30 cm long grey-white spodumene crystals within medium grained pegmatites comprising primarily quartz, feldspar, spodumene and muscovite. Typically the spodumene crystals are oriented orthogonal to the pegmatite contacts. Some zoning of the pegmatites parallel to the contacts is observed, with higher concentrations of spodumene occurring close to the upper contact. In the massive basal pegmatite, the spodumene is distributed within fine-grained quartz, feldspar, spodumene and muscovite matrix.
Drill hole Information	• *A summary of all information material to the understanding of the exploration results including a*	• A summary of the exploration drilling into the Wodgina project deposit is attached.

Criteria	JORC Code explanation	Commentary
	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.*	
Data aggregation methods	• *In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (eg cutting of high grades) and cut-off grades are usually Material and should be stated.* • *Where aggregate intercepts incorporate short lengths of high grade results and longer lengths of low grade results, the procedure used for such aggregation should be stated and some typical examples of such aggregations should be shown in detail.* • *The assumptions used for any reporting of metal equivalent values should be clearly stated.*	• Reported exploration results are uncut. • Reported aggregate Li_2O intercepts based on geological intervals of continuous pegmatite greater than or equal to 2m. • Reported aggregate Li_2O intercept grades are a weighted average based on assay interval length.
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').*	• Apparent thickness as downhole length is reported.
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.*	• Plan view and typical cross sections of the Wodgina project showing drill collars is attached.
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 holes related to the Wodgina drilling program are reported here.
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.*	• No other meaningful data to report.
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.*	• Exploration drilling is ongoing. • As part of the main document (Plan View).