Critical Resources Limited

19 October 2023

Further Outstanding Assays Extend the Mavis Lake Swell Zone

Highlights

- Further outstanding assays extend the Swell Zone at Mavis Lake.
- Drilling intersects consistent thick, high-grade mineralisation, with highlights including:
  - Drill-hole MF23-225 with **36.75m @ 1.12% Li_2O** from 208m down-hole;
  - Drill-hole MF23-222 with **17.9m @ 1.09% Li_2O** from 247.5m down hole; and
  - Drill-hole MF23-217 with **36.65m @ 0.92% Li_2O** from 215m down-hole, including **28m @ 1.01% Li2O** from 223m down-hole.
- Swell Zone extended up-dip to the east, close to surface, and down-dip to the west.
- Drilling continues, aimed at further extending the Swell Zone and adding tonnage to the next planned Resource upgrade.
- Assay results pending from 15 drill holes.

Lithium exploration and project development company Critical Resources Limited **ASX:CRR** ("Critical Resources" or "the Company") is pleased to advise that it has received further strong assay results from ongoing drilling at the **Mavis Lake Lithium Project** in Ontario, Canada.

Drilling Continues to Target the Swell Zone

Recently received assay results have continued to validate the Swell Zone theory at Mavis Lake, with drilling continuing to build on the discovery intercept of **74.4m @ 1.18% Li_2O** and intersect thick and consistent zones of strongly mineralised pegmatite.

The latest batch of assays, which includes intercepts of up to 36.75m at 1.12% Li_2O, has extended the Swell Zone up-dip to the east, confirming that it trends towards surface.

Meanwhile, drill-holes MF23-217 and MF23-222 have both extended the mineralisation towards the west, increasing confidence that the Swell Zone trend remains open.

While the Company awaits pending permits to further test the western extent of the Swell Zone, in-fill drilling to test the Swell Zone up-dip has delivered further success with drill hole MF23-225.

Tight in-fill drilling also provides confidence for an increase in Resource category as part of a future Mineral Resource Estimate upgrade at Mavis Lake, scheduled for the first half of 2024.

Significant assay results are shown in Table 1, full exploration results can be seen in Appendix 1.

Swell Zone Definition

Drill-hole MF23-207 intersected 74.4m at 1.18% Li_2O and first identified the significant Swell Zone within the Mavis Lake Main Zone deposit.

The discovery of the Swell Zone has delivered a substantial increase in mineralised width, over the initial projected MRE ore shapes, highlighting the potential for recent drilling to substantially increase the maiden MRE of 8.0Mt at 1.07% Li_2O[1].

Drilling to date has confirmed consistent, thick high-grade lithium mineralisation within the Swell Zone over a strike length of approximately 300m, sitting obliquely to and striking across the current MRE.

The geometry and orientation of the Swell Zone mineralisation as defined by recent intercepts is shown in Long Section and the Cross-Sections in Figures 2-6.

Importantly, the Swell Zone remains open laterally to the west, with step-out drilling and testing of the western extents of the Swell Zone the focus of current drilling.

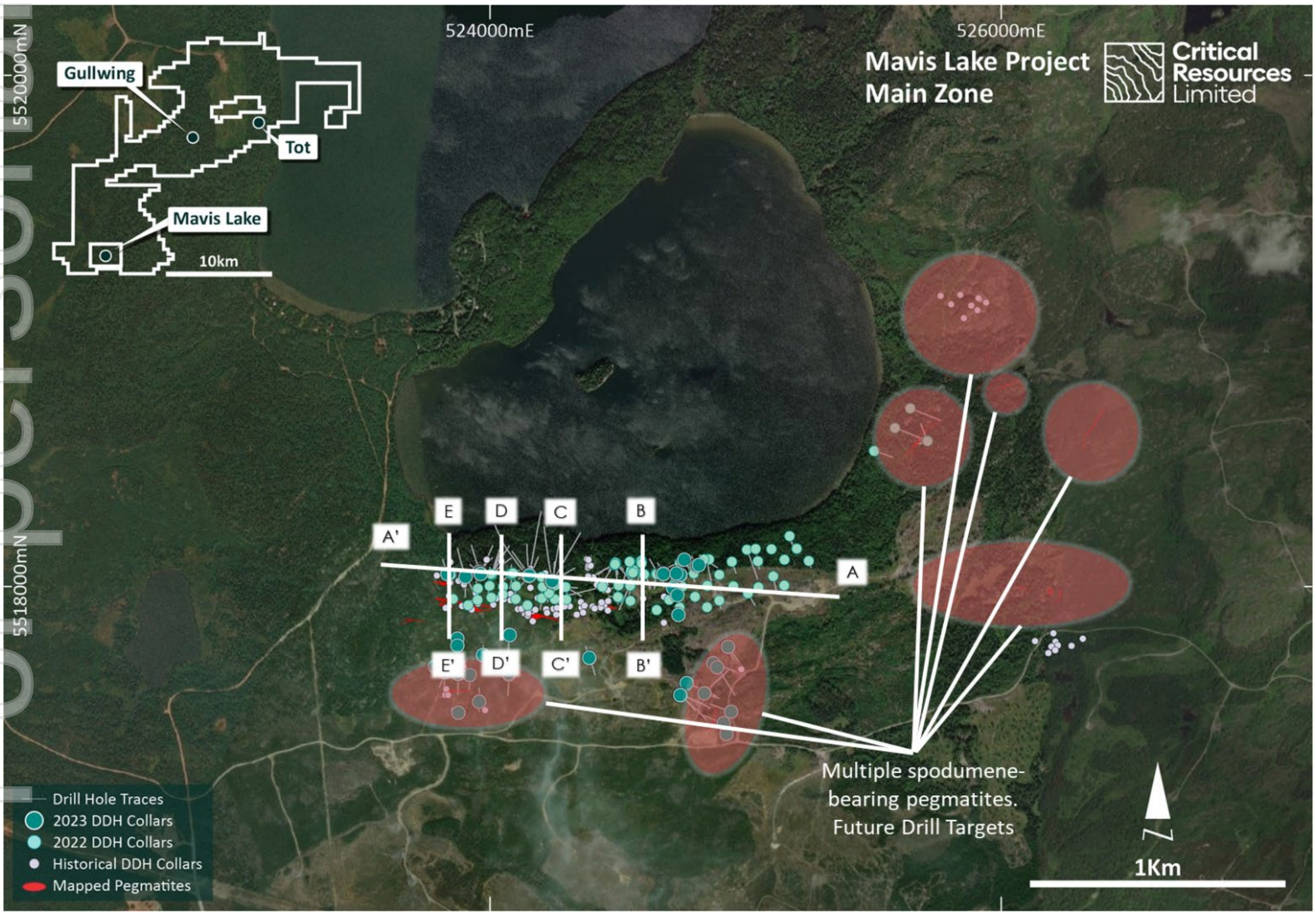

Figure 1: Plan Map of the Mavis Lake Main Zone and Cross Section references

[1] Refer ASX announcement 5 May 2023.

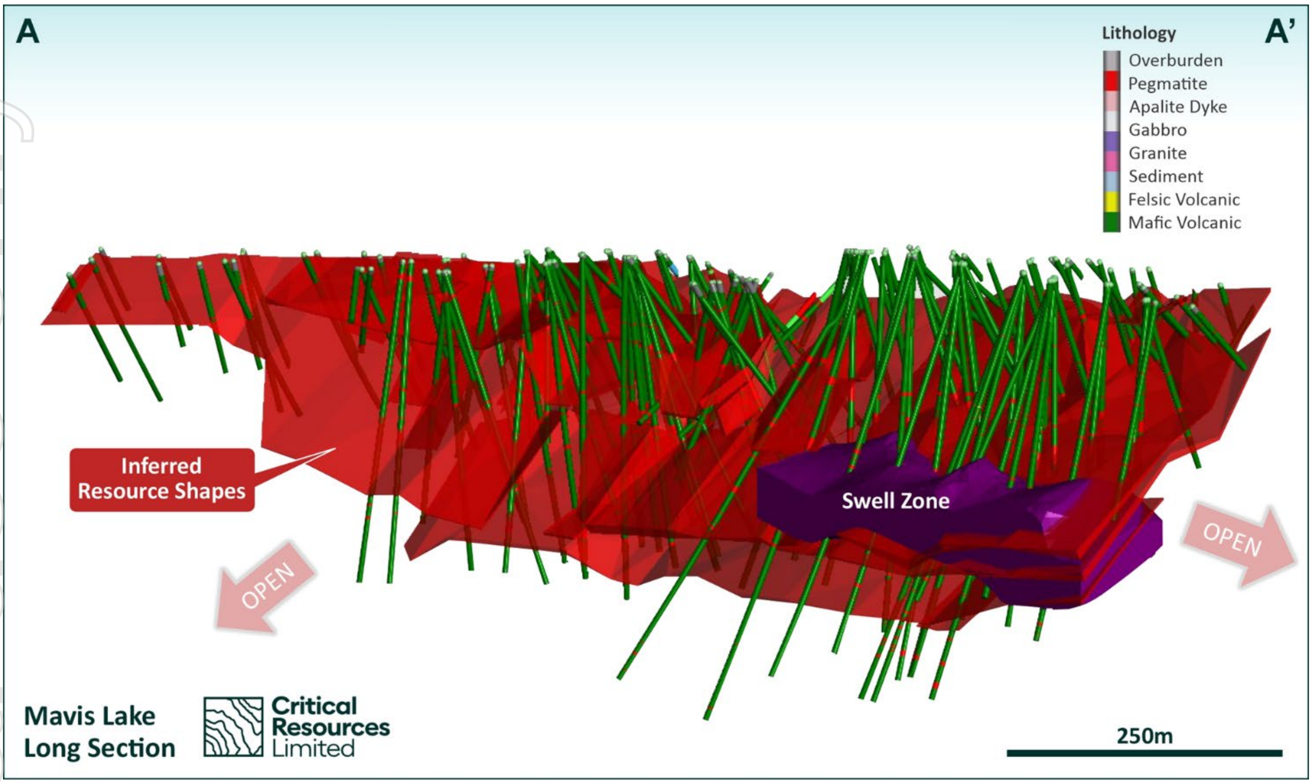

Figure 2: Long Section illustrating the current projection of known (assayed) ~300m strike of the Swell Zone (purple) relative to the MRE resource shape (red).

Table 1 – Significant Assay Results Drill-holes MF23-216 to MF23-225

Hole ID	From (m)	To (m)	Down Hole Interval (m)	Li2O (%)	True Width (m)
MF23-217	212.1	251.65	**39.55**	**0.86**	23.7
including	215	251.65	**36.65**	**0.92**	22.0
including	223	251	**28**	**1.01**	16.8
MF23-221	161.6	179.3	**17.7**	**0.79**	11.5
including	161.6	172.3	**10.7**	**1.24**	7.0
MF23-222	236.25	266.75	**30.5**	**0.78**	18.3
including	247.5	265.4	**17.9**	**1.09**	10.7
MF23-225	208	244.75	**36.75**	**1.12**	23.9
including	209.8	243.3	**33.5**	**1.21**	21.8
and	347.2	354.9	**7.7**	**1.3**	6.9

Continuity of the Swell Zone

Prior to the intersection in the Swell Zone discovery hole MF23-207, the wider intercepts within the Mavis Lake Main Zone were thought to be isolated localized swells.

Drilling that followed up the MF23-207 intercept has shown that these previous wider zones are in fact part of a continuous, thicker zone of mineralisation that runs through the Main Zone deposit.

The continuity of the Swell Zone can be seen in Figures 3 to 6, showing a shallow plunge trend from near surface on the east, to the deeper intercepts located towards the west.

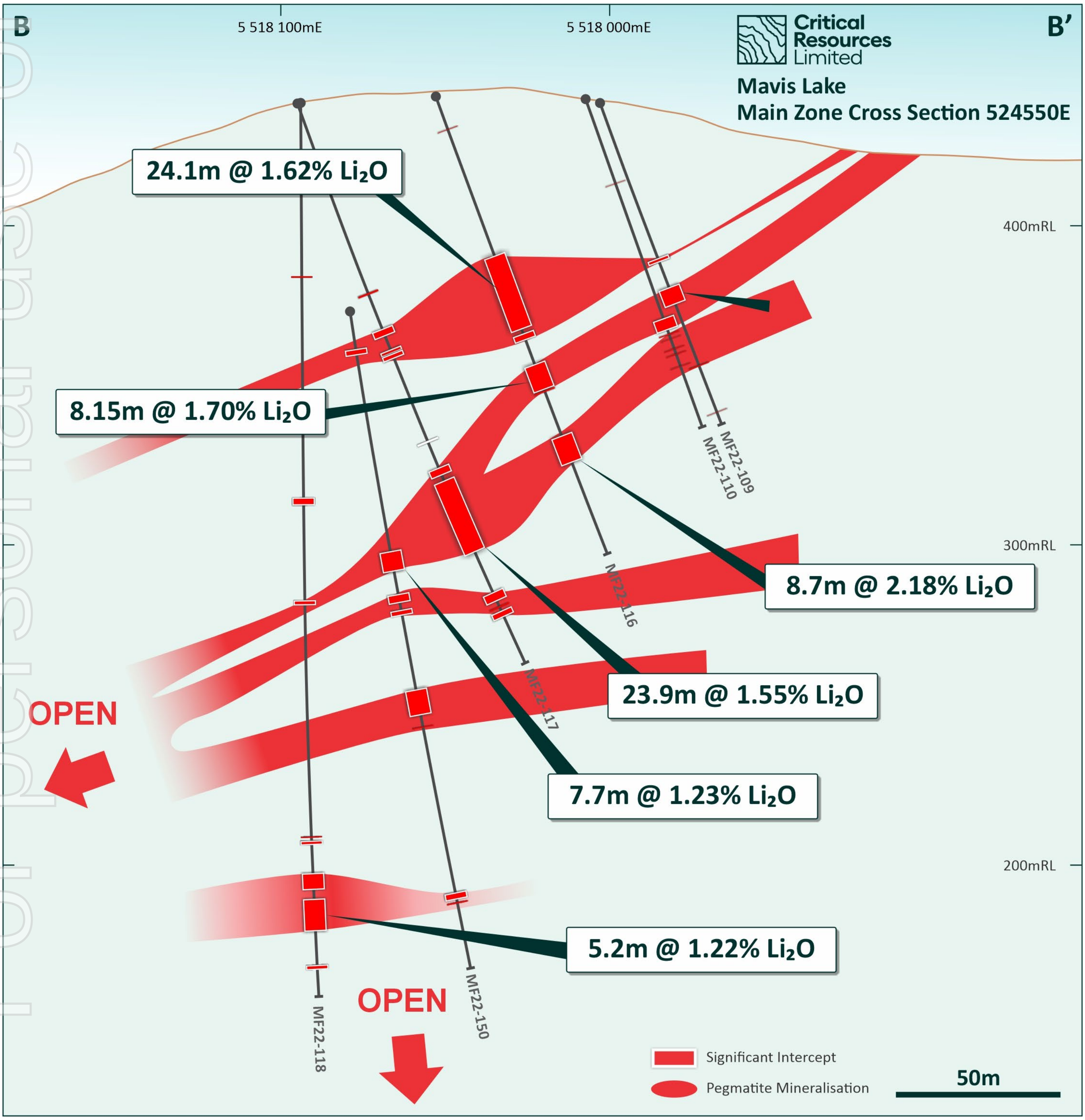

Figure 3: Section B-B' – Swell Zone near-surface

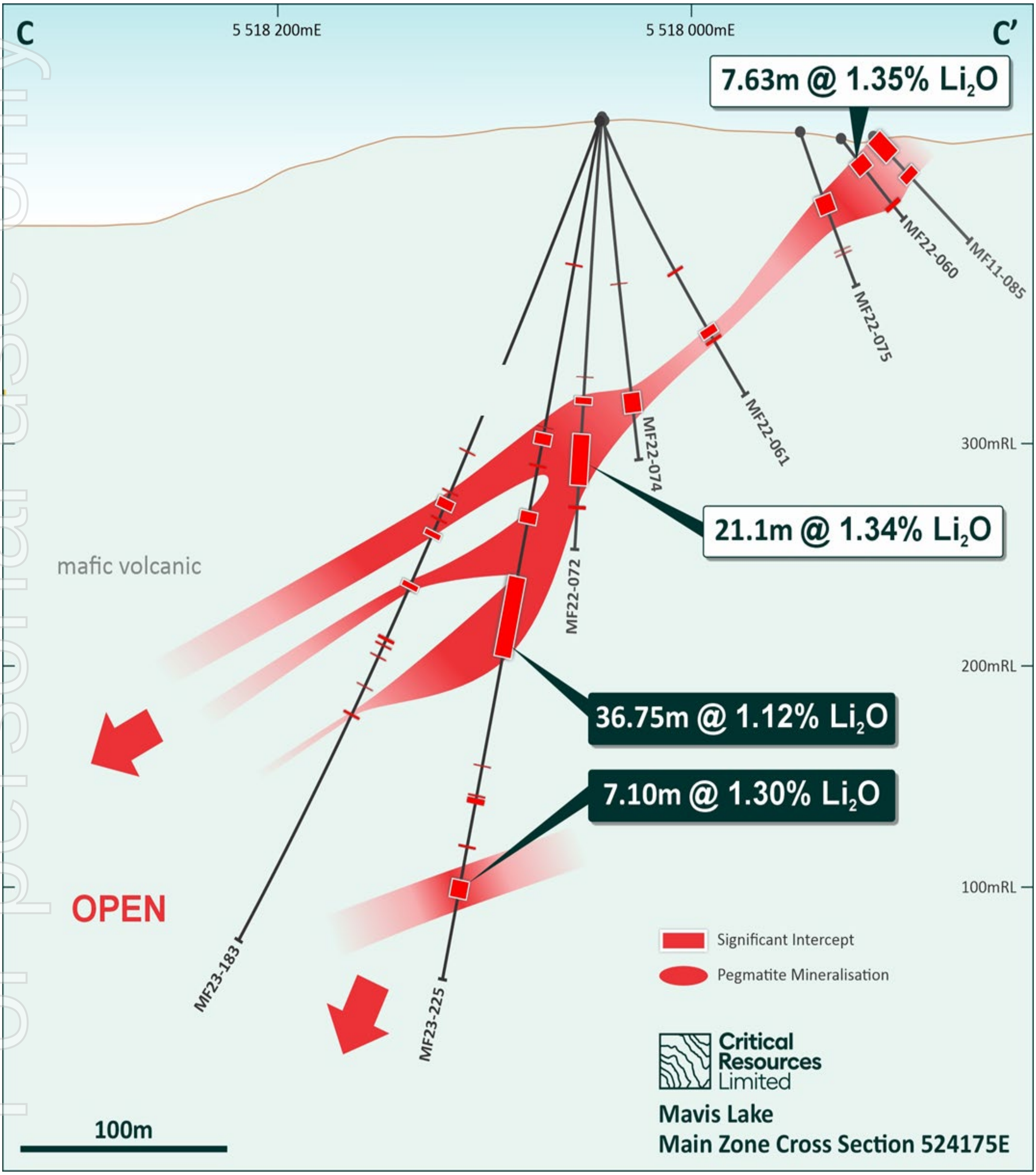

Figure 4: Section C-C' – Swell Zone plunging towards the west

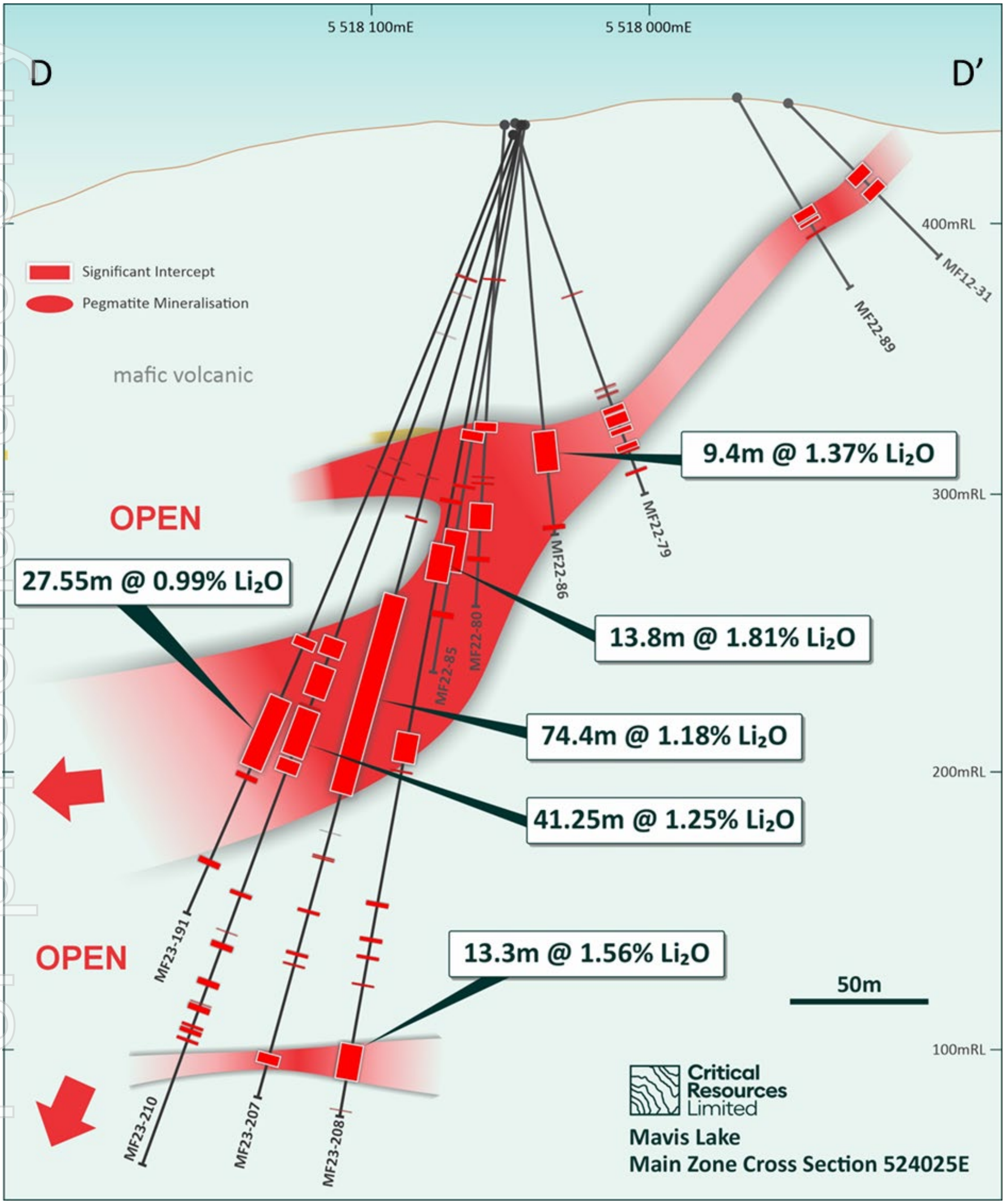

Figure 5: Section D-D' – Significant intercepts in the Swell Zone, demonstrating the presence of consistent thick, high-grade mineralisation

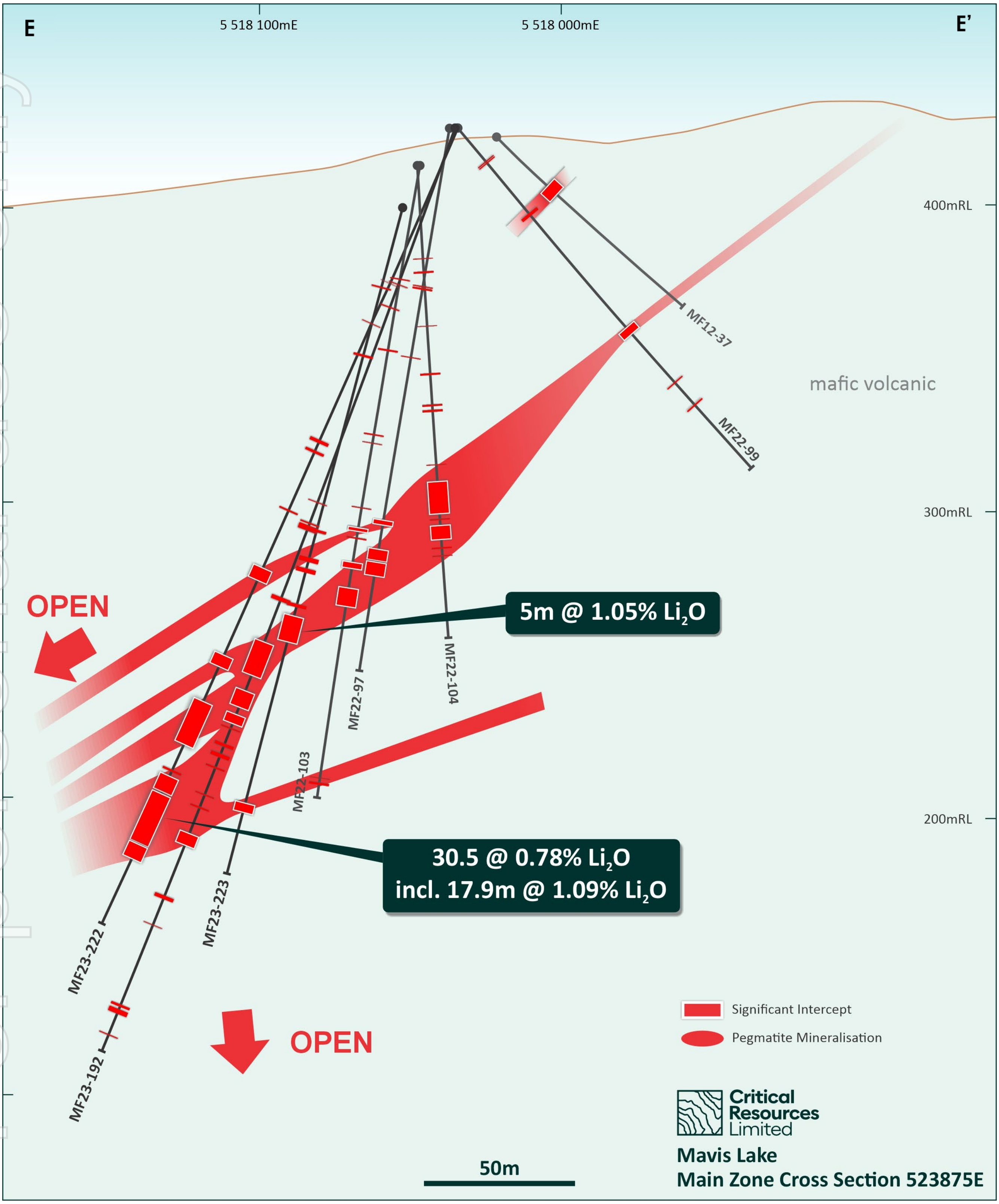

Figure 6: Section E-E' MF23-222 the western most Swell Zone intercepts

Future Drill Targets

The Mavis Lake Project Area contains multiple spodumene-bearing pegmatites that are yet to be drill tested.

Critical Resources Limited

Immediate drilling continues to test the western extent of the Swell Zone, with planning and permitting also underway to allow testing of additional high-quality drill targets centered on the Gullwing and Tot pegmatite clusters, located approximately 9km from Mavis Lake Main Zone.

All drilling is focused on delivering Resource growth. The Company remains on schedule to deliver a significant Resource upgrade in the first half of 2024.

Critical Resources Managing Director, Alex Cheeseman said:

"The discovery of the Swell Zone has been a game-changer for Mavis Lake this year. We are consistently hitting thick, well mineralised pegmatite, with every positive drill result adding tonnage to our next Resource upgrade."

"The latest results have further extended the Swell Zone in both directions, with exciting growth potential still to be tested. With drilling continuing and assays outstanding for 15 diamond holes, the next few months should an exciting time for Critical Resources shareholders as we build towards a resource update in the first half of 2024."

This announcement has been approved for release by the Board of Directors.

-ends-

For further information please contact

Alex Cheeseman
Managing Director
E: info@criticalresources.com.au
P: +61 (8) 9389 4499

Nicholas Read
Read Corporate
E: nicholas@readcorporate.com.au
M: +61(0)419 929 046

ABOUT CRITICAL RESOURCES LIMITED Critical Resources is advancing and developing critical metals projects for a decarbonised future. The Company holds a suite of lithium prospects across Ontario, Canada, including Mavis Lake, Graphic Lake, Plaid and Whiteloon Lake. The Company's other projects include a copper project in Oman, and a base metals project in Halls Peak NSW, Australia.

The Company's primary focus is the rapid development of its flagship Mavis Lake Lithium Project. Mavis Lake is an advanced exploration project with near-term development potential. The Company completed over 19,500m of drilling in 2022 and has commenced another significant drilling program in 2023. In early 2023, Critical Resources released its maiden JORC Code 2012 Compliant Inferred Mineral Resource Estimate (MRE) for Mavis Lake with 8.0Mt at 1.107% Li_2O – making Critical Resources just one of two ASX-listed companies with a JORC Code 2012 compliant mineral resource in Ontario. In parallel with continued Resource growth, the Company has also commenced initial studies that will underpin the transition from explorer to developer.

COMPETENT PERSONS STATEMENT The information in this ASX Announcement that relates to Exploration Results is based on information compiled by Mr. Troy Gallik (P. Geo), a Competent Person who is a Member of the Association of Professional Geoscientists of Ontario. Troy Gallik is a full-time employee of Critical Resources. Mr. Gallik 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 "Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves". Mr. Gallik consents to the inclusion in this Announcement of the matters based on his information in the form and context in which it appears.

COMPLIANCE STATEMENT This announcement contains information regarding the Mavis Lake Mineral Resource Estimate extracted from ASX market announcement dated 5 May 2023 and reported in accordance with the 2012 JORC Code and available for viewing at criticalresources.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in any original announcement and that all material assumptions and technical parameters underpinning the estimates in the original market announcement continue to apply and have not materially changed. This document contains information on the Mavis Lake Lithium Project extracted from ASX market announcements reported in accordance with the 2012 JORC Code and available for viewing at www.criticalresources.com.au. The Company confirms that it is not aware of any new information or data that materially affects the information included in any original ASX market announcement. ASX announcements pertaining to key exploration results are 25 October 2021, 14 July 2022, 21 July 2022, 17 August 2022, 21 August 2022, 13 September 2022,

Critical Resources Limited

28 September 2022, 24 October 2022, 31 October 2022, 13 December 2022, 27 March 2023, 27 June 2023, 17 July 2023, 24 July 2023, 21 August 2023 and 11 September 2023

FORWARD LOOKING STATEMENTS This announcement may contain certain forward-looking statements and projections. Such forward looking statements/projections are estimates for discussion purposes only and should not be relied upon. Forward looking statements/projections are inherently uncertain and may therefore differ materially from results ultimately achieved. Critical Resources Limited does not make any representations and provides no warranties concerning the accuracy of the projections and disclaims any obligation to update or revise any forward-looking statements/projects based on new information, future events or otherwise except to the extent required by applicable laws. While the information contained in this report has been prepared in good faith, neither Critical Resources Limited or any of its directors, officers, agents, employees or advisors give any representation or warranty, express or implied, as to the fairness, accuracy, completeness or correctness of the information, opinions and conclusions contained in this announcement.

Appendix 1 - Exploration Results

Table 2 - Drill Hole Summary MF23-215 to MF23-225

Hole ID	Date Drilled		UTM Zone 15N (NAD83)			Collar Orientation		Metres Drilled	
Hole ID	Start Date	End Date	Easting	Northing	Elevation	Az	Dip	Casing Depth	End Depth
MF23-216	05-Aug-23	08-Aug-23	524083	5518048	439	20	-69	3	374
MF23-217	08-Aug-23	11-Aug-23	523963	5518044	430	355	-70	3	335
MF23-218	12-Aug-23	14-Aug-23	523962	5518044	430	345	-65	3	326
MF23-219	15-Aug-23	17-Aug-23	523906	5518034	426	355	-65	3	299
MF23-220	17-Aug-23	19-Aug-23	523905	5518035	425	355	-70	3	290
MF23-221	20-Aug-23	22-Aug-23	523905	5518035	425	30	-69	3	233
MF23-222	22-Aug-23	25-Aug-23	523905	5518035	425	335	-65	3	290
MF23-223	25-Aug-23	26-Aug-23	523849	5518041	413	0	-75	3	242
MF23-224	27-Aug-23	28-Aug-23	523849	5518042	413	351	-65	3	263
MF23-225	29-Aug-23	02-Sep-23	524161	5518039	446	345	-78	3	392

JORC Table 1 – MF23-216 to MF23-225

*all sample assay results from MF23-216 to MF23-225.

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-216	345864	63.9	64.4	147	0.032
MF23-216	345865	135.6	136.1	40	0.009
MF23-216	345866	181.85	182.85	479	0.103
MF23-216	345867	182.85	183.45	3370	0.726
MF23-216	345868	183.45	184.45	1000	0.215
MF23-216	345869	191.9	193	238	0.051
MF23-216	345871	193	194	326	0.070
MF23-216	345872	194	195	117	0.025
MF23-216	345873	195	195.9	1700	0.366
MF23-216	345874	195.9	196.6	491	0.106
MF23-216	345875	196.6	197.3	527	0.113
MF23-216	345876	197.3	198.3	3150	0.678
MF23-216	345877	198.3	198.8	1450	0.312
MF23-216	345878	198.8	199.3	266	0.057
MF23-216	345879	199.3	200	1180	0.254
MF23-216	345881	200	201	1470	0.316
MF23-216	345882	201	202	1380	0.297
MF23-216	345883	202	203	83	0.018
MF23-216	345884	203	204	95	0.020
MF23-216	345885	204	205	255	0.055
MF23-216	345886	205	205.95	68	0.015

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-216	345887	205.95	207	825	0.178
MF23-216	345888	207	208	267	0.057
MF23-216	345889	218.3	219.3	1120	0.241
MF23-216	345891	219.3	220.25	2190	0.472
MF23-216	345892	220.25	220.9	778	0.168
MF23-216	345893	220.9	221.9	1030	0.222
MF23-216	345894	221.9	222.4	2060	0.444
MF23-216	345895	222.4	223.4	959	0.206
MF23-216	345896	223.4	224.4	1240	0.267
MF23-216	345897	224.4	225	199	0.043
MF23-216	345898	225	226	276	0.059
MF23-216	345899	226	227	421	0.091
MF23-216	347901	227	228	338	0.073
MF23-216	347902	260.45	261.05	82	0.018
MF23-216	347903	267.5	268	193	0.042
MF23-216	347904	280.4	280.9	55	0.012
MF23-216	347905	295.15	296.15	306	0.066
MF23-216	347906	296.15	297.15	466	0.100
MF23-216	347907	297.15	297.9	619	0.133
MF23-216	347908	297.9	298.9	151	0.033
MF23-216	347909	298.9	299.9	1010	0.217

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-216	347911	299.9	300.9	815	0.175
MF23-216	347912	305.85	306.85	1530	0.329
MF23-216	347913	306.85	307.6	472	0.102
MF23-216	347914	307.6	308.1	434	0.093
MF23-216	347915	308.1	309	534	0.115
MF23-217	347916	24.5	25	206	0.044
MF23-217	347917	94.25	94.7	237	0.051
MF23-217	347918	97.1	97.6	333	0.072
MF23-217	347919	129.35	129.85	397	0.085
MF23-217	347921	134.85	135.35	464	0.100
MF23-217	347922	162	163.1	606	0.130
MF23-217	347923	163.1	164	53	0.011
MF23-217	347924	164	164.7	17	0.004
MF23-217	347925	164.7	165.5	64	0.014
MF23-217	347926	165.5	166.5	317	0.068
MF23-217	347927	192.25	193.25	523	0.113
MF23-217	347928	193.25	194	117	0.025
MF23-217	347929	194	195	232	0.050
MF23-217	347931	195	195.9	146	0.031
MF23-217	347932	195.9	197	1650	0.355
MF23-217	347933	200.1	201.1	71	0.015
MF23-217	347934	210.1	211.1	192	0.041
MF23-217	347935	211.1	212.1	765	0.165
MF23-217	347936	212.1	213	389	0.084
MF23-217	347937	213	214	223	0.048
MF23-217	347938	214	215	358	0.077
MF23-217	347939	215	216	4300	0.926
MF23-217	347941	216	217	2730	0.588
MF23-217	347942	217	218	2810	0.605
MF23-217	347943	218	219	2830	0.609
MF23-217	347944	219	220	4500	0.969
MF23-217	347945	220	221	1560	0.336
MF23-217	347946	221	222	1620	0.349
MF23-217	347947	222	223	2720	0.586
MF23-217	347948	223	224	6040	1.300
MF23-217	347949	224	225	6810	1.466
MF23-217	347951	225	226	6940	1.494
MF23-217	347952	226	227	6080	1.309
MF23-217	347953	227	228	3670	0.790
MF23-217	347954	228	229	4120	0.887
MF23-217	347955	229	230	1340	0.289
MF23-217	347956	230	231	3520	0.758
MF23-217	347957	231	232	2330	0.502

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-217	347958	232	233	4360	0.939
MF23-217	347959	233	234	1810	0.390
MF23-217	347961	234	235	86	0.019
MF23-217	347962	235	235.8	114	0.025
MF23-217	347963	235.8	237	2250	0.484
MF23-217	347964	237	238	2970	0.639
MF23-217	347965	238	239	2310	0.497
MF23-217	347966	239	240	1940	0.418
MF23-217	347967	240	241	4060	0.874
MF23-217	347968	241	242	5030	1.083
MF23-217	347969	242	243	8100	1.744
MF23-217	347971	243	244	9350	2.013
MF23-217	347972	244	245	9390	2.022
MF23-217	347973	245	246	4790	1.031
MF23-217	347974	246	247	8540	1.839
MF23-217	347975	247	248	5090	1.096
MF23-217	347976	248	249	7380	1.589
MF23-217	347977	249	250	5390	1.160
MF23-217	347978	250	251	7240	1.559
MF23-217	347979	251	251.65	4150	0.893
MF23-217	347981	251.65	252.6	867	0.187
MF23-217	347982	252.6	253.6	484	0.104
MF23-217	347983	253.6	254.3	602	0.130
MF23-217	347984	254.3	255	1330	0.286
MF23-217	347985	255	256	1500	0.323
MF23-217	347986	256	257	605	0.130
MF23-217	347987	257	258.05	1940	0.418
MF23-217	347988	258.05	259.05	794	0.171
MF23-217	347989	259.05	260	529	0.114
MF23-217	347991	267.3	268.3	1040	0.224
MF23-217	347992	268.3	269	1460	0.314
MF23-217	347993	269	269.7	2780	0.599
MF23-217	347994	269.7	270.3	1850	0.398
MF23-217	347995	270.3	271	1900	0.409
MF23-217	347996	271	272	963	0.207
MF23-217	347997	298.25	299.25	913	0.197
MF23-217	347998	299.25	300.25	3200	0.689
MF23-217	347999	300.25	301.25	1400	0.301
MF23-217	348201	301.25	302.25	81	0.017
MF23-217	348202	302.25	303.25	50	0.011
MF23-217	348203	303.25	304.25	596	0.128
MF23-217	348204	304.25	305.25	564	0.121
MF23-217	348205	315.5	316.5	1370	0.295

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-217	348206	316.5	317.05	121	0.026
MF23-217	348207	317.05	318.05	573	0.123
MF23-217	348208	322.7	323.7	613	0.132
MF23-217	348209	323.7	324.7	461	0.099
MF23-217	348211	324.7	325.3	254	0.055
MF23-217	348212	325.3	326	723	0.156
MF23-218	348213	78.5	79	235	0.051
MF23-218	348214	133.5	134	265	0.057
MF23-218	348215	145.15	145.45	40	0.009
MF23-218	348216	194.05	194.6	37	0.008
MF23-218	348217	200.7	201.85	44	0.009
MF23-218	348218	209.25	209.9	62	0.013
MF23-218	348219	215.25	216.25	618	0.133
MF23-218	348221	216.25	217.25	1010	0.217
MF23-218	348222	217.25	218.4	2120	0.456
MF23-218	348223	218.4	219.7	84	0.018
MF23-218	348224	219.7	221	228	0.049
MF23-218	348225	221	222.3	935	0.201
MF23-218	348226	222.3	223	5390	1.160
MF23-218	348227	223	224.1	2810	0.605
MF23-218	348228	224.1	225.35	3200	0.689
MF23-218	348229	225.35	226.45	2160	0.465
MF23-218	348231	226.45	227.5	4100	0.883
MF23-218	348232	227.5	228.6	3830	0.825
MF23-218	348233	228.6	230.2	2030	0.437
MF23-218	348234	230.2	231.8	2850	0.614
MF23-218	348235	231.8	232.8	7750	1.669
MF23-218	348236	232.8	233.5	697	0.150
MF23-218	348237	233.5	234.7	2560	0.551
MF23-218	348238	234.7	235.85	2150	0.463
MF23-218	348239	235.85	236.85	909	0.196
MF23-218	348241	236.85	237.85	841	0.181
MF23-218	348242	237.85	239.25	1240	0.267
MF23-218	348243	239.25	240.65	573	0.123
MF23-218	348244	240.65	241.65	809	0.174
MF23-218	348245	241.65	242.65	535	0.115
MF23-218	348246	242.65	243.8	224	0.048
MF23-218	348247	243.8	245	186	0.040
MF23-218	348248	245	246.25	1210	0.261
MF23-218	348249	246.25	246.55	202	0.043
MF23-218	348251	246.55	247.9	638	0.137
MF23-218	348252	247.9	249.3	329	0.071
MF23-218	348253	249.3	249.65	245	0.053

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-218	348254	249.65	250.75	191	0.041
MF23-218	348255	250.75	251.9	821	0.177
MF23-218	348256	251.9	252.85	91	0.020
MF23-218	348257	252.85	253.85	279	0.060
MF23-218	348258	253.85	254.85	502	0.108
MF23-218	348259	254.85	255.85	9530	2.052
MF23-218	348261	255.85	256.8	569	0.123
MF23-218	348262	256.8	257.8	279	0.060
MF23-218	348263	257.8	259.35	1920	0.413
MF23-218	348264	259.35	259.65	345	0.074
MF23-218	348265	259.65	260.6	1290	0.278
MF23-218	348266	260.6	261.55	799	0.172
MF23-219	348267	114.8	115.75	73	0.016
MF23-219	348268	140.25	140.55	202	0.043
MF23-219	348269	183.7	184.75	41	0.009
MF23-219	348271	194.3	195.35	1520	0.327
MF23-219	348272	195.35	196.35	677	0.146
MF23-219	348273	196.35	197.6	83	0.018
MF23-219	348274	197.6	198.85	92	0.020
MF23-219	348275	198.85	199.85	645	0.139
MF23-219	348276	199.85	200.85	509	0.110
MF23-219	348277	216.55	217.45	496	0.107
MF23-219	348278	217.45	218.5	626	0.135
MF23-219	348279	218.5	219.8	2000	0.431
MF23-219	348281	219.8	220.7	322	0.069
MF23-219	348282	220.7	221.6	235	0.051
MF23-219	348283	221.6	222.6	1420	0.306
MF23-219	348284	222.6	223.6	1120	0.241
MF23-219	348285	223.6	224.35	104	0.022
MF23-219	348286	224.35	225.35	530	0.114
MF23-219	348287	225.35	226.9	257	0.055
MF23-219	348288	226.9	228.45	373	0.080
MF23-219	348289	228.45	229.7	715	0.154
MF23-219	348291	229.7	231.1	1130	0.243
MF23-219	348292	231.1	231.95	1550	0.334
MF23-219	348293	231.95	232.8	1780	0.383
MF23-219	348294	232.8	234.35	312	0.067
MF23-219	348295	234.35	235.95	157	0.034
MF23-219	348296	235.95	237.1	2890	0.622
MF23-219	348297	237.1	238.2	374	0.081
MF23-219	348298	238.2	239.6	705	0.152
MF23-219	348299	239.6	241.15	3540	0.762
MF23-219	348101	241.15	242.1	348	0.075

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-219	348102	242.1	243.1	813	0.175
MF23-219	348103	243.1	244.1	1240	0.267
MF23-219	348104	244.1	245.6	4750	1.023
MF23-219	348105	245.6	247.1	2950	0.635
MF23-219	348106	247.1	248.5	791	0.170
MF23-219	348107	248.5	250.2	1950	0.420
MF23-219	348108	250.2	251.85	1670	0.360
MF23-219	348109	251.85	253.4	2410	0.519
MF23-219	348111	253.4	254.4	1560	0.336
MF23-219	348112	254.4	255.45	1240	0.267
MF23-219	348113	255.45	257	265	0.057
MF23-219	348114	257	258.6	1160	0.250
MF23-219	348115	258.6	259.8	6600	1.421
MF23-219	348116	259.8	261.2	462	0.099
MF23-219	348117	261.2	263.2	627	0.135
MF23-219	348118	267.35	267.65	276	0.059
MF23-219	348119	269.85	270.85	745	0.160
MF23-219	348121	270.85	271.85	1390	0.299
MF23-219	348122	271.85	273.65	99	0.021
MF23-219	348123	273.65	274.55	685	0.147
MF23-219	348124	274.55	275.4	9560	2.058
MF23-219	348125	275.4	276.3	2870	0.618
MF23-219	348126	276.3	277.25	12200	2.627
MF23-219	348127	277.25	278.6	4580	0.986
MF23-219	348128	278.6	279.7	2460	0.530
MF23-219	348129	279.7	281.15	4410	0.949
MF23-219	348131	281.15	282.15	3260	0.702
MF23-219	348132	282.15	283.15	2270	0.489
MF23-220	348133	129.3	129.6	54	0.012
MF23-220	348134	135.45	136.95	713	0.154
MF23-220	348135	136.95	137.45	443	0.095
MF23-220	348136	137.45	138.3	43	0.009
MF23-220	348137	138.3	138.8	263	0.057
MF23-220	348138	138.8	140.3	1210	0.261
MF23-220	348139	173.5	175	1070	0.230
MF23-220	348141	175	175.55	2890	0.622
MF23-220	348142	175.55	177	174	0.037
MF23-220	348143	177	178.5	273	0.059
MF23-220	348144	178.5	180	93	0.020
MF23-220	348145	180	181.5	422	0.091
MF23-220	348146	181.5	183	332	0.071
MF23-220	348147	183	184.5	811	0.175
MF23-220	348148	184.5	186	309	0.067

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-220	348149	186	186.8	246	0.053
MF23-220	348151	186.8	187.77	1300	0.280
MF23-220	348152	187.77	188.27	2160	0.465
MF23-220	348153	188.27	189.75	1300	0.280
MF23-220	243951	189.75	191.25	2640	0.568
MF23-220	243952	191.25	193.2	3780	0.814
MF23-220	348154	193.2	194.7	920	0.198
MF23-220	348155	194.7	195.2	1900	0.409
MF23-220	348156	195.2	196.7	116	0.025
MF23-220	348157	196.7	198.2	101	0.022
MF23-220	348158	198.2	198.7	1640	0.353
MF23-220	348159	198.7	200.2	3120	0.672
MF23-220	348161	207.85	209.35	3800	0.818
MF23-220	348162	209.35	209.9	4040	0.870
MF23-220	348163	209.9	211.5	1500	0.323
MF23-220	348164	211.5	212.75	7680	1.654
MF23-220	348165	212.75	213.5	2260	0.487
MF23-220	348166	213.5	215	490	0.105
MF23-220	348167	230.8	232.3	1770	0.381
MF23-220	348168	232.3	232.8	1380	0.297
MF23-220	348169	232.8	233.7	230	0.050
MF23-220	348171	233.7	234.6	237	0.051
MF23-220	348172	234.6	235.1	308	0.066
MF23-220	348173	235.1	236.7	165	0.036
MF23-220	348174	236.7	237.2	1860	0.400
MF23-220	348175	237.2	238	110	0.024
MF23-220	348176	238	238.5	1240	0.267
MF23-220	348177	238.5	240	860	0.185
MF23-220	348178	247.3	248.8	1720	0.370
MF23-220	348179	248.8	249.3	1850	0.398
MF23-220	348181	249.3	250.35	148	0.032
MF23-220	348182	250.35	251.1	3440	0.741
MF23-220	348183	251.1	252	9140	1.968
MF23-220	348184	252	253	8200	1.765
MF23-220	348185	253	253.75	8500	1.830
MF23-220	348186	253.75	255.25	5440	1.171
MF23-220	348187	255.25	256.35	318	0.068
MF23-220	348188	256.35	256.85	1290	0.278
MF23-220	348189	256.85	258.35	875	0.188
MF23-220	348191	281	282.45	772	0.166
MF23-220	348192	282.45	283	1070	0.230
MF23-220	348193	283	283.8	851	0.183
MF23-220	348194	283.8	285.3	314	0.068

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-220	348195	285.3	285.8	959	0.206
MF23-220	348196	285.8	287.3	856	0.184
MF23-221	348197	46.8	48.3	487	0.105
MF23-221	348198	48.3	48.8	506	0.109
MF23-221	348199	48.8	49.45	169	0.036
MF23-221	348301	49.45	50	317	0.068
MF23-221	348302	50	51.5	341	0.073
MF23-221	348303	51.5	52.3	318	0.068
MF23-221	348304	52.3	52.8	45	0.010
MF23-221	348305	52.8	53.3	617	0.133
MF23-221	348306	53.3	54.8	225	0.048
MF23-221	348307	135.5	137	677	0.146
MF23-221	348308	137	137.5	1140	0.245
MF23-221	348309	137.5	138.4	50	0.011
MF23-221	348311	138.4	139.1	18	0.004
MF23-221	348312	139.1	139.6	739	0.159
MF23-221	348313	139.6	141.1	961	0.207
MF23-221	348314	158.7	160.2	500	0.108
MF23-221	348315	160.2	160.85	949	0.204
MF23-221	348316	160.85	161.6	777	0.167
MF23-221	348317	161.6	163.1	498	0.107
MF23-221	348318	163.1	164.6	2550	0.549
MF23-221	348319	164.6	165.75	4530	0.975
MF23-221	348321	165.75	166.35	12600	2.713
MF23-221	348322	166.35	167.5	7970	1.716
MF23-221	348323	167.5	168.35	6920	1.490
MF23-221	348324	168.35	169.25	7310	1.574
MF23-221	348325	169.25	170	8640	1.860
MF23-221	348326	170	171	7940	1.709
MF23-221	348327	171	171.85	5490	1.182
MF23-221	348328	171.85	172.3	7570	1.630
MF23-221	348329	172.3	173	268	0.058
MF23-221	348331	173	174.2	291	0.063
MF23-221	348332	174.2	174.8	111	0.024
MF23-221	348333	174.8	176	512	0.110
MF23-221	348334	176	177	308	0.066
MF23-221	348335	177	177.9	86	0.019
MF23-221	348336	177.9	178.8	249	0.054
MF23-221	348337	178.8	179.3	1130	0.243
MF23-221	348338	179.3	180.8	996	0.214
MF23-221	348339	218.5	219.5	124	0.027
MF23-221	348341	219.5	220.15	117	0.025
MF23-222	348342	113.75	114.85	76	0.016

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-222	348343	117.6	118.45	427	0.092
MF23-222	348344	139.15	139.7	126	0.027
MF23-222	348345	157.25	158.75	757	0.163
MF23-222	348346	158.75	159.25	631	0.136
MF23-222	348347	159.25	160.4	430	0.093
MF23-222	348348	160.4	161.9	72	0.016
MF23-222	348349	161.9	163.4	68	0.015
MF23-222	348351	163.4	164.1	47	0.010
MF23-222	348352	164.1	164.85	92	0.020
MF23-222	348353	164.85	165.4	887	0.191
MF23-222	348354	165.4	167.9	1720	0.370
MF23-222	348355	189.35	190.85	1360	0.293
MF23-222	348356	190.85	191.3	1270	0.273
MF23-222	348357	191.3	192.15	501	0.108
MF23-222	348358	192.15	193.45	228	0.049
MF23-222	348359	193.45	194.9	229	0.049
MF23-222	348361	194.9	196.25	201	0.043
MF23-222	348362	196.25	196.75	2040	0.439
MF23-222	348363	196.75	198.25	1570	0.338
MF23-222	348364	207	208.5	1240	0.267
MF23-222	348365	208.5	209	2740	0.590
MF23-222	348366	209	210.5	161	0.035
MF23-222	348367	210.5	212	445	0.096
MF23-222	348368	212	213.5	380	0.082
MF23-222	348369	213.5	215	250	0.054
MF23-222	348371	215	215.9	216	0.047
MF23-222	348372	215.9	216.8	422	0.091
MF23-222	348373	216.8	218	307	0.066
MF23-222	348374	218	218.75	4660	1.003
MF23-222	348375	218.75	219.75	725	0.156
MF23-222	348376	219.75	220.7	731	0.157
MF23-222	348377	220.7	221.85	612	0.132
MF23-222	348378	221.85	222.6	2680	0.577
MF23-222	348379	222.6	223.6	75	0.016
MF23-222	348381	223.6	224.6	72	0.016
MF23-222	348382	230.75	232.15	1550	0.334
MF23-222	348383	232.15	233.45	2450	0.527
MF23-222	348384	233.45	234.6	1250	0.269
MF23-222	348385	234.6	235.7	522	0.112
MF23-222	348386	235.7	236.25	1060	0.228
MF23-222	348387	236.25	236.75	101	0.022
MF23-222	348388	236.75	238.25	479	0.103
MF23-222	348389	238.25	239.15	296	0.064

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-222	348391	239.15	240.45	4300	0.926
MF23-222	348392	240.45	241.75	3300	0.710
MF23-222	348393	241.75	242.7	1960	0.422
MF23-222	348394	242.7	243.55	123	0.026
MF23-222	348395	243.55	244.5	1390	0.299
MF23-222	348396	244.5	246	1610	0.347
MF23-222	348397	246	247.5	495	0.107
MF23-222	348398	247.5	250	8240	1.774
MF23-222	348399	250	251.5	8040	1.731
MF23-222	348401	251.5	252.5	2460	0.530
MF23-222	348402	252.5	254	354	0.076
MF23-222	348403	254	255	2630	0.566
MF23-222	348404	255	256	2120	0.456
MF23-222	348405	256	257.3	5340	1.150
MF23-222	348406	257.3	258.8	6540	1.408
MF23-222	348407	258.8	259.4	1420	0.306
MF23-222	348408	259.4	260.6	4860	1.046
MF23-222	348409	260.6	261.1	884	0.190
MF23-222	348411	261.1	262.15	6320	1.361
MF23-222	348412	262.15	263	5750	1.238
MF23-222	348413	263	264	7500	1.615
MF23-222	348414	264	265.4	5500	1.184
MF23-222	348415	265.4	266.25	662	0.143
MF23-222	348416	266.25	266.75	3620	0.779
MF23-222	348417	266.75	268.25	1100	0.237
MF23-223	348418	40.9	41.4	90	0.019
MF23-223	348419	64.15	64.85	42	0.009
MF23-223	348421	122	123	1050	0.226
MF23-223	348422	123	124.15	1460	0.314
MF23-223	348423	124.15	125	43	0.009
MF23-223	348424	125	126	536	0.115
MF23-223	348425	126	127.3	491	0.106
MF23-223	348426	127.3	128	387	0.083
MF23-223	348427	128	129	522	0.112
MF23-223	348428	129	130	828	0.178
MF23-223	348429	130	131	1380	0.297
MF23-223	348431	131	132	2840	0.611
MF23-223	348432	132	133	1620	0.349
MF23-223	348433	133	133.75	873	0.188
MF23-223	348434	133.75	135.25	118	0.025
MF23-223	348435	135.25	136.25	1090	0.235
MF23-223	348436	136.25	137.5	1180	0.254
MF23-223	348437	137.5	138.9	96	0.021

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-223	348438	138.9	140	1010	0.217
MF23-223	348439	140	141	1350	0.291
MF23-223	348441	141	142	2000	0.431
MF23-223	348442	142	143	1660	0.357
MF23-223	348443	143	144	1820	0.392
MF23-223	348444	144	145	350	0.075
MF23-223	348445	145	146	1740	0.375
MF23-223	348446	146	147	1190	0.256
MF23-223	348447	147	148	1910	0.411
MF23-223	348448	148	149	718	0.155
MF23-223	348449	149	149.6	3940	0.848
MF23-223	348451	149.6	150.75	145	0.031
MF23-223	348452	150.75	152	1220	0.263
MF23-223	348453	152	153	4340	0.934
MF23-223	348454	153	153.8	4090	0.881
MF23-223	348455	153.8	155	316	0.068
MF23-223	348456	155	156	1550	0.334
MF23-223	348457	156	157	607	0.131
MF23-223	348458	157	158	4430	0.954
MF23-223	348459	158	159	4640	0.999
MF23-223	348461	159	160	9740	2.097
MF23-223	348462	160	161	3500	0.754
MF23-223	348463	161	162	1970	0.424
MF23-223	348464	162	162.6	111	0.024
MF23-223	348465	162.6	164	3130	0.674
MF23-223	348466	164	164.5	1920	0.413
MF23-223	348467	164.5	165	1020	0.220
MF23-223	348468	165	166	701	0.151
MF23-223	348469	166	167	573	0.123
MF23-223	348471	178.5	179	179	0.039
MF23-223	348472	182.4	182.9	1020	0.220
MF23-223	348473	186.65	187.15	468	0.101
MF23-223	348474	196.65	197.15	104	0.022
MF23-223	348475	213.7	215	429	0.092
MF23-223	348476	215	215.75	1150	0.248
MF23-223	348477	215.75	217	1060	0.228
MF23-223	348478	217	217.9	956	0.206
MF23-223	348479	217.9	219	72	0.016
MF23-223	348481	219	220.15	79	0.017
MF23-223	348482	220.15	221	161	0.035
MF23-223	348483	221	222	649	0.140
MF23-223	348484	222	223	310	0.067
MF23-224	348485	59.4	60.55	242	0.052

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-224	348486	102.9	104.3	54	0.012
MF23-224	348487	131.3	132	51	0.011
MF23-224	348488	174.55	175.3	77	0.017
MF23-224	348489	175.3	176.3	923	0.199
MF23-224	348491	176.3	176.95	480	0.103
MF23-225	348492	65.25	66	191	0.041
MF23-225	348493	122.9	124.45	104	0.022
MF23-225	348494	124.45	125.35	92	0.020
MF23-225	348495	142.35	143.3	52	0.011
MF23-225	348496	143.3	144.3	73	0.016
MF23-225	348497	144.3	145.1	59	0.013
MF23-225	348498	145.1	146	302	0.065
MF23-225	348499	146	147	401	0.086
MF23-225	342001	147	147.85	82	0.018
MF23-225	342002	156.8	158	103	0.022
MF23-225	342003	174.25	175.25	490	0.105
MF23-225	342004	175.25	176.25	865	0.186
MF23-225	342005	176.25	177.75	1140	0.245
MF23-225	342006	177.75	178.25	965	0.208
MF23-225	342007	178.25	179	131	0.028
MF23-225	342008	179	180	82	0.018
MF23-225	342009	180	181	79	0.017
MF23-225	342011	181	182	64	0.014
MF23-225	342012	182	183	34	0.007
MF23-225	342013	183	183.5	44	0.009
MF23-225	342014	183.5	184	212	0.046
MF23-225	342015	184	185.5	401	0.086
MF23-225	342016	185.5	186.5	217	0.047
MF23-225	342017	186.5	187.4	203	0.044
MF23-225	342018	203	204	624	0.134
MF23-225	342019	204	205	606	0.130
MF23-225	342021	205	206	919	0.198
MF23-225	342022	206	207.5	2780	0.599
MF23-225	342023	207.5	208	1130	0.243
MF23-225	342024	208	209	146	0.031
MF23-225	342025	209	209.8	1470	0.316
MF23-225	342026	209.8	211	10800	2.325
MF23-225	342027	211	212	3690	0.794
MF23-225	342028	212	213	8190	1.763
MF23-225	342029	213	214	7390	1.591
MF23-225	342031	214	215	10000	2.153
MF23-225	342032	215	216	4980	1.072
MF23-225	342033	216	217	6200	1.335

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-225	342034	217	218	9600	2.067
MF23-225	342035	218	219	2740	0.590
MF23-225	342036	219	220	8060	1.735
MF23-225	342037	220	221	2010	0.433
MF23-225	342038	221	221.95	8930	1.923
MF23-225	342039	221.95	223	408	0.088
MF23-225	342041	223	224	407	0.088
MF23-225	342042	224	225	116	0.025
MF23-225	342043	225	226	393	0.085
MF23-225	342044	226	227	96	0.021
MF23-225	342045	227	227.75	1040	0.224
MF23-225	342046	227.75	229	1450	0.312
MF23-225	342047	229	230	684	0.147
MF23-225	342048	230	231.2	1450	0.312
MF23-225	342049	231.2	232	8920	1.920
MF23-225	342051	232	233	5730	1.234
MF23-225	342052	233	234	8590	1.849
MF23-225	342053	234	235	5420	1.167
MF23-225	342054	235	236	13400	2.885
MF23-225	342055	236	237	11900	2.562
MF23-225	342056	237	238	6890	1.483
MF23-225	342057	238	239	7540	1.623
MF23-225	342058	239	240	7620	1.641
MF23-225	342059	240	241	8550	1.841
MF23-225	342061	241	242	9030	1.944
MF23-225	342062	242	243.3	5370	1.156
MF23-225	342063	243.3	244	1500	0.323
MF23-225	342064	244	244.75	105	0.023
MF23-225	342065	244.75	245.25	1920	0.413
MF23-225	342066	245.25	246.75	3970	0.855
MF23-225	342067	246.75	247.75	1210	0.261
MF23-225	342068	247.75	248.75	720	0.155
MF23-225	342069	294.35	294.75	72	0.016
MF23-225	342071	303.85	304.95	603	0.130
MF23-225	342072	304.95	305.85	1500	0.323
MF23-225	342073	305.85	307.35	3640	0.784
MF23-225	342074	307.35	307.85	1520	0.327
MF23-225	342075	307.85	308.5	148	0.032
MF23-225	342076	308.5	309.35	2350	0.506
MF23-225	342077	309.35	310	4670	1.005
MF23-225	342078	310	311	5720	1.232
MF23-225	342079	311	311.85	183	0.039
MF23-225	342081	311.85	312.35	3380	0.728

Hole	Sample	From (m)	To (m)	Li (ppm)	Li2O (%)
MF23-225	342082	312.35	313.85	928	0.200
MF23-225	342083	313.85	314.85	747	0.161
MF23-225	342084	314.85	315.85	593	0.128
MF23-225	342085	329.45	330.95	686	0.148
MF23-225	342086	330.95	331.9	95	0.020
MF23-225	342087	331.9	332.4	672	0.145
MF23-225	342088	342.7	343.7	397	0.085
MF23-225	342089	343.7	344.7	515	0.111
MF23-225	342091	344.7	346.2	1840	0.396
MF23-225	342092	346.2	347.2	1940	0.418
MF23-225	342093	347.2	347.75	1540	0.332
MF23-225	342094	347.75	348.75	3560	0.766
MF23-225	342095	348.75	350	10900	2.347
MF23-225	342096	350	351	9810	2.112
MF23-225	342097	351	352	9750	2.099
MF23-225	342098	352	352.5	8240	1.774
MF23-225	342099	352.5	353	2380	0.512
MF23-225	342101	353	354	2250	0.484
MF23-225	342102	354	354.9	1420	0.306
MF23-225	342103	354.9	355.4	2100	0.452
MF23-225	342104	355.4	356.9	1710	0.368
MF23-225	342105	356.9	357.9	1630	0.351
MF23-225	342106	357.9	358.9	718	0.155

* All of the Company's assay sampling is conducted based on core logging, with all drill hole core logged by a qualified geologist, experienced with lithium mineralisation, who determines the assay sampling intervals. All pegmatite intersections are sampled regardless of the visual presence of lithium minerals/spodumene.

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 (e.g., 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.*	• Oriented NQ core was cut in half using a diamond saw, with a half core sent for assay and half core retained. • No other measurement tools other than directional survey tools have been used in the holes at this stage.
	Include reference to measures taken to ensure sample representivity and the appropriate calibration of any measurement tools or systems used.	• Oriented core was placed V-rail and a consistent cut-line drawn along core to ensure cutting (halving) of representative samples. • Sampling is conducted based on core logging, 100% of drill hole core is logged. The core logger is a geologist, has experience in lithium mineralisation, and determines the intervals of samples. All pegmatite intersections are sampled regardless of the visual presence of lithium minerals/spodumene. Host rock is typically not sampled as lithium mineralisation is localized to pegmatites (spodumene mineral) or their alteration halos (holmquistite mineral) within mafic volcanic host rock. • Determination of mineralisation has been based on geological logging and photo analysis. • Diamond Core drilling was used to obtain 3m length samples from the barrel which are then marked in one metre intervals based on the drillers core block measurement. • Assay samples are selected based on geological logging boundaries or on the nominal metre marks. • Samples were dispatched to an accredited laboratory (ActLabs) in Dryden, Ontario, Canada for sample preparation and shipment to analysis.
	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 (e.g., '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 (e.g., submarine nodules) may warrant disclosure of detailed information.	
Drilling techniques	*Drill type (e.g., core, reverse circulation, open-hole hammer, rotary air blast, auger, Bangka, sonic, etc) and details (e.g., core diameter, triple or standard tube, depth of diamond tails, face-sampling bit or other type, whether*	• NQ2 diamond double tube coring by Cyr EF-50 rig was used throughout the hole. • Core orientation was carried out by the drilling contractor.

Criteria	JORC-Code Explanation	Commentary
Drill sample recovery	*Method of recording and assessing core and chip sample recoveries and results assessed.*	• Lithological logging, photography • Core samples were measured with a standard tape within the core trays. Length of core was then compared to the interval drilled, and any core loss was attributed to individual rock units based on the amount of fracturing, abrasion of core contacts, and the conservative judgment of the core logger. Results of core loss are discussed below. • Experienced driller contracted to carry out drilling. •In broken ground the driller produced NQ core from short runs to maximise core recovery. • Core was washed before placing in the core trays. • Core was visually assessed by professional geologists before cutting to ensure representative sampling. • See "Aspects of the determination of mineralisation that are Material to the Public Report" above.
	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.	
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.	

Criteria	JORC-Code Explanation	Commentary
	The total length and percentage of the relevant intersections logged.	• Core samples were not geotechnically logged. • Core samples have been geologically logged to support appropriate Mineral Resource estimation, mining studies and metallurgical studies. • The core logging was qualitative in nature. • All core was photographed Total length of the MF23-216 was 374m • 100% of the relevant intersections were logged. Total length of the MF23-217 was 335m • 100% of the relevant intersections were logged. Total length of the MF23-218 was 326m • 100% of the relevant intersections were logged. Total length of the MF23-219 was 299m • 100% of the relevant intersections were logged. Total length of the MF23-220 was 290m • 100% of the relevant intersections were logged. Total length of the MF23-221 was 233m • 100% of the relevant intersections were logged. Total length of the MF23-222 was 290m • 100% of the relevant intersections were logged. Total length of the MF23-223 was 242m • 100% of the relevant intersections were logged. Total length of the MF23-224 was 263m • 100% of the relevant intersections were logged. Total length of the MF23-225 was 392m • 100% of the relevant intersections were logged.
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.*	•Oriented core was placed V-rail and a consistent cut-line drawn along core to ensure cutting (halving) of representative samples •Oriented NQ core was cut in half using a diamond saw, with half core sent for assay and half core retained. •Core sample intervals were based in logged mineralisation •No duplicates or second half-sampling • Appropriate method: oriented NQ core cut in half using a diamond saw, with a half core sent for assay and half core retained

Criteria	JORC-Code Explanation	Commentary
	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.	
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.*	• Assays methods appropriate for style of mineralisation will be used: UT-7 (Li up to 5%) QOP Sodium Peroxide (Sodium Peroxide Fusion ICPOES + ICPMS. • Either standards or blanks are inserted every 10th sample interval as a part of a QAQC process. Standard and blank results from recent drilling are within acceptable margins of error.
	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.	• Activation Laboratory performs internal QA/QC measures. Results are released once all internal QA/QC is verified and confirmed to be acceptable.
	Nature of quality control procedures adopted (e.g., standards, blanks, duplicates, external laboratory checks) and whether acceptable levels of accuracy (i.e., lack of bias) and precision have been established.	
Verification of sampling and assaying	*The verification of significant intersections by either independent or alternative company personnel.*	• No independent verification completed at this stage.
	The use of twinned holes.	• No holes are twins of previous holes.
	Documentation of primary data, data entry procedures, data verification, data storage (physical and electronic) protocols.	• Core measured, photographed and logged by geologists. Digitally recorded plus back-up records.
	Discuss any adjustment to assay data.	• All assay results are provided. • No adjustments to the assay data. • No assay cut off grades are applied.
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*	• Drill collars recorded with Garmin GPS that has an accuracy in the order of ±3 metres for location. A registered surveyor will be

Criteria	JORC-Code Explanation	Commentary
	used in Mineral Resource estimation.	contracted to accurately survey all drill collars at completed of drill program.
	Specification of the grid system used.	• WGS 1984 UTM Zone 15N.
	Quality and adequacy of topographic control.	• No specific topography survey has been completed over the project area.
Data spacing and distribution	*Data spacing for reporting of Exploration Results.*	• Not relevant to current drilling.
	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.	• Not relevant to current drilling.
	Whether sample compositing has been applied.	•Core sample intervals were based in logged mineralisation and no sample composting applied. Reporting of final results includes many weighted average- composting of assay data.
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.*	• The orientation of the mineralisation is unknown. The drilling program is aimed at determining orientation of the mineralisation. • If orientation of mineralisation is known or thought to be known, drill holes are planned to intersect at an appropriate angle relative to true width of the mineralisation. Intercepts with mineralisation released are given as downhole widths, not true widths unless true widths are stated
	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.	• It is uncertain whether sampling bias has been introduced, or whether the thickness drilled is a true thickness.
Sample security	*The measures taken to ensure sample security.*	• Core samples were stored at the Dryden core yard and core shack under lock and key before delivery to ActLabsGroups in Dryden, Ontario for analysis.
Audits or reviews	*The results of any audits or reviews of sampling techniques and data.*	• Not undertaken at this stage.

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 Mavis Lake Lithium Project consists of 1097 unpatented Single Cell Mining Claims and six separate surface leases which secure the surface rights of the land required for the Project footprint. All claims and leases are active and in good standing. The leases have a term of 21 years and are not set to expire until 2032, at which time they can be renewed for an additional 21 years if required.
Exploration done by other parties	*Acknowledgment and appraisal of exploration by other parties.*	• Previous exploration has been conducted by a number of parties including Lun-Echo Gold Mines Limited (1956), Selco Mining Corporation (1979-1980), Tantalum Mining Corporation of Canada Limited (1981-1982), Emerald Field Resources (2002), International Lithium Corp (2006-2021) and Pioneer Resources Limited/Essential Metals Limited (2018-2021).
Geology	*Deposit type, geological setting and style of mineralisation.*	• The Fairservice and Mavis Lake Prospects host zoned pegmatites that are prospective for lithium and tantalum
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.*	• All drill collars are re-surveyed at a later date upon completion of drill hole for accurate collar coordinates. (see table below)

Hole ID	Easting	Northing	Elevation	Az	Dip	End Depth
MF23-216	524083	5518048	439	20	-69	374
MF23-217	523963	5518044	430	355	-70	335
MF23-218	523962	5518044	430	345	-65	326
MF23-219	523906	5518034	426	355	-65	299
MF23-220	523905	5518035	425	355	-70	290
MF23-221	523905	5518035	425	30	-69	233
MF23-222	523905	5518035	425	335	-65	290
MF23-223	523849	5518041	413	0	-75	242
MF23-224	523849	5518042	413	351	-65	263
MF23-225	524161	5518039	446	345	-78	392

Criteria	JORC-Code Explanation	Commentary
Data aggregation methods	*In reporting Exploration Results, weighting averaging techniques, maximum and/or minimum grade truncations (e.g., cutting of high grades) and cut-off grades are usually Material and should be stated.*	• Uncut. • All aggregate intercepts detailed on tables are weighted averages.
	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.	• None used.
	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.*	• True width is calculated from logging geologists structural measurements from upper and lower contacts of pegmatite dyke and the host rock. Resource shapes and geometries may aid in determine true widths as the pegmatites chaotic contacts can be miss leading. True widths are provided unless otherwise stated.
	If the geometry of the mineralisation with respect to the drill hole angle is known, its nature should be reported.	• The precise geometry is not currently known but is being tested by the planned drilling, with diamond drill hole azimuths designed to drill normal to the interpreted mineralised structure.
	If it is not known and only the down hole lengths are reported, there should be a clear statement to this effect (e.g., 'down hole length, true width not known').	• Down-hole length reported, true width has not yet been interpreted.
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.*	• Refer to images in the main document.
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.*	• Representative reporting of all relevant grades is provided in tables to avoid misleading reporting of Exploration Results.

Criteria	JORC-Code Explanation	Commentary
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*	• Overview of exploration data leading to selection of drill targets provided.
Further work	*The nature and scale of planned further work (e.g., tests for lateral extensions or depth extensions or large-scale step-out drilling).*	• Further drilling underway to extend known mineralisation. Immediate drilling continues to test and delineate the Main Zone and Swell Zone at Mavis Lake. Multiple Spodumene-bearing pegmatites outside of the Main Zone are currently being evaluated for future drill testing.