



RIU SYDNEY RESOURCES ROUND-UP (May 2017)

Exploring and Developing a New Generation of Lithium Projects

Focussing on projects with strong development potential in Australia and Tanzania

- ✓ Grade
- ✓ Tonnage
- ✓ Metallurgy
- ✓ Infrastructure



ASX: LTR



May 11th 2017

Disclaimer

Competent Person's Statement and Disclaimer:

- *The Information in this report that relates to the Exploration Results for the Kathleen Valley Project is extracted from the ASX announcement entitled "Liontown intersects strong lithium and tantalum mineralisation in maiden drill program at Kathleen Valley, WA" released on the 20th March 2017 which is available on www.ltresources.com.au.*
- *The Information in this report that relates to Exploration Results for the Bynoe Project is extracted from the ASX announcements entitled "Initial Assays from Second Phase of Drilling at Bynoe Lithium Project Confirm Extensions to Sandras Prospect", "New Drill Targets Outlined at Bynoe Lithium Project Following Successful Soil Sampling Program", "Joint Airborne Geophysical Survey Commences across Bynoe/Finniss Pegmatite-Lithium Field, NT" and "Large new pegmatite target identified at Bynoe" released on the 2nd November 2016, 6th December 2016, 10th January 2017 and 13th February 2017 respectively all of which are available on www.ltresources.com.au ..*
- *The information in this report which relates to Exploration Results for the Mohanga Project is extracted from the ASX announcement entitled 'New High-Grade Lithium Discovery in Tanzania' released on the 5th April 2017 which is available on www.ltresources.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 announcements. 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.*
- *This report contains forward-looking statements which involve a number of risks and uncertainties. These forward looking statements are expressed in good faith and believed to have a reasonable basis. These statements reflect current expectations, intentions or strategies regarding the future and assumptions based on currently available information. Should one or more of the risks or uncertainties materialize, or should underlying assumptions prove incorrect, actual results may vary from the expectations, intentions and strategies described in this announcement. No obligation is assumed to update forward looking statements if these beliefs, opinions and estimates should change or to reflect other future developments.*

Where Are We At

- Three highly-prospective lithium projects close to established infrastructure in Tier-1 countries:
 - ✓ **Kathleen Valley (WA)** – Wide zones of high-grade lithium and tantalum mineralisation intersected in initial drilling program
 - ✓ **Bynoe (NT)** - Thick, $>1\%$ Li_2O , spodumene-mineralised zones intersected in drilling ($<50\text{km}$ from Darwin port)
 - ✓ **Mohanga (Tanzania)** - New high-grade, spodumene-bearing pegmatite discovered with up to 3.3% Li_2O and 314ppm Ta_2O_5 from initial rock sampling
- Potential for near-term resource definition
- Strategic position in Tanzania's +50Moz Lake Victoria Goldfield:
 - ✓ **Jubilee Reef** - ~400,000oz Inferred Mineral Resource with excellent exploration upside
 - ✓ Reviewing options to advance



**Multiple opportunities
for near term
definition of lithium
resources close to
established
infrastructure**

Corporate Overview

Corporate Details

ASX Code	LTR
Shares on Issue	~990M
Market Capitalisation	\$15M (at ~1.5 cps)
Major Shareholder	Tim Goyder – 22%
Top 20 Shareholders	56%
Cash	~\$1,900,000

Board of Directors

TIM GOYDER –Chairman

+35 years experience, MD – Chalice Gold, Chairman – Uranium Equities

DAVID RICHARDS – Managing Director

+35 years experience, former Managing Director – Glengarry Resources

CRAIG WILLIAMS – Non-Executive Director

+35 years experience, Chairman Orecorp Ltd, co-founder and former CEO – Equinox Minerals

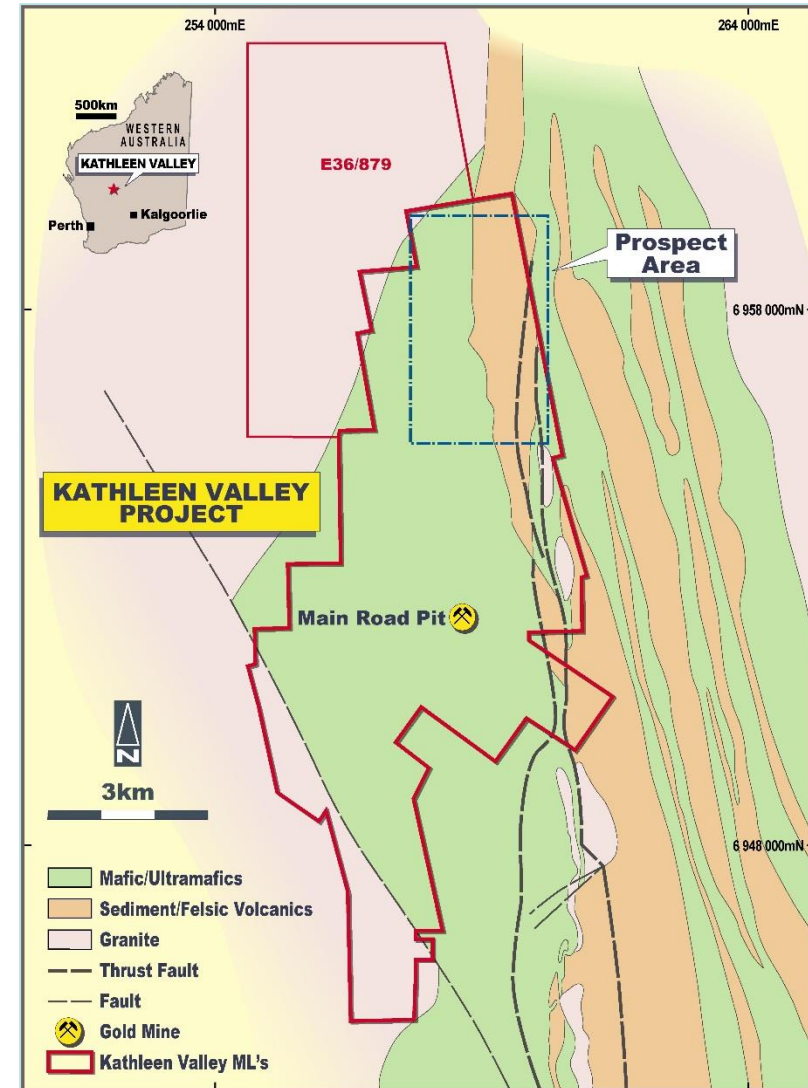
ANTHONY CIPRIANO – Non-Executive Director

+30 years experience, former partner at Deloitte

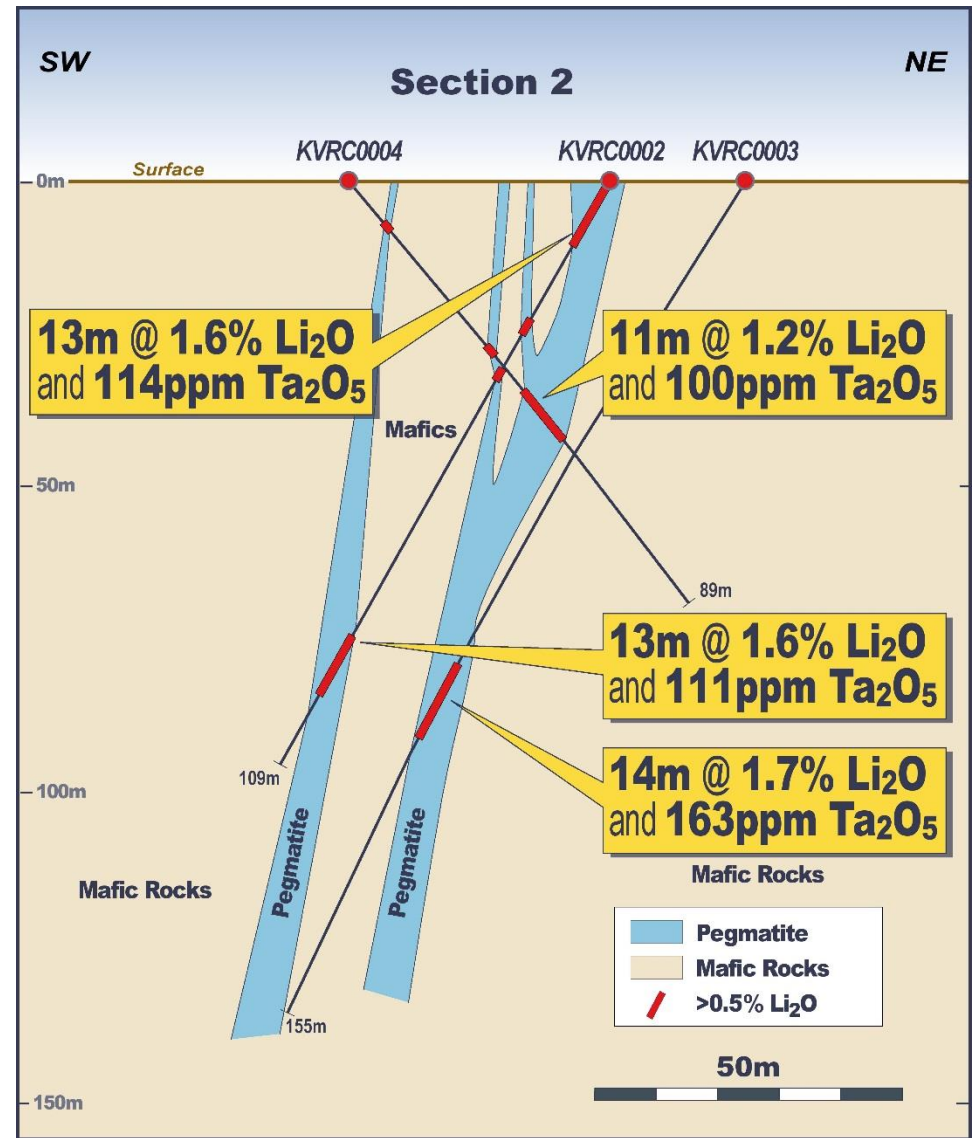
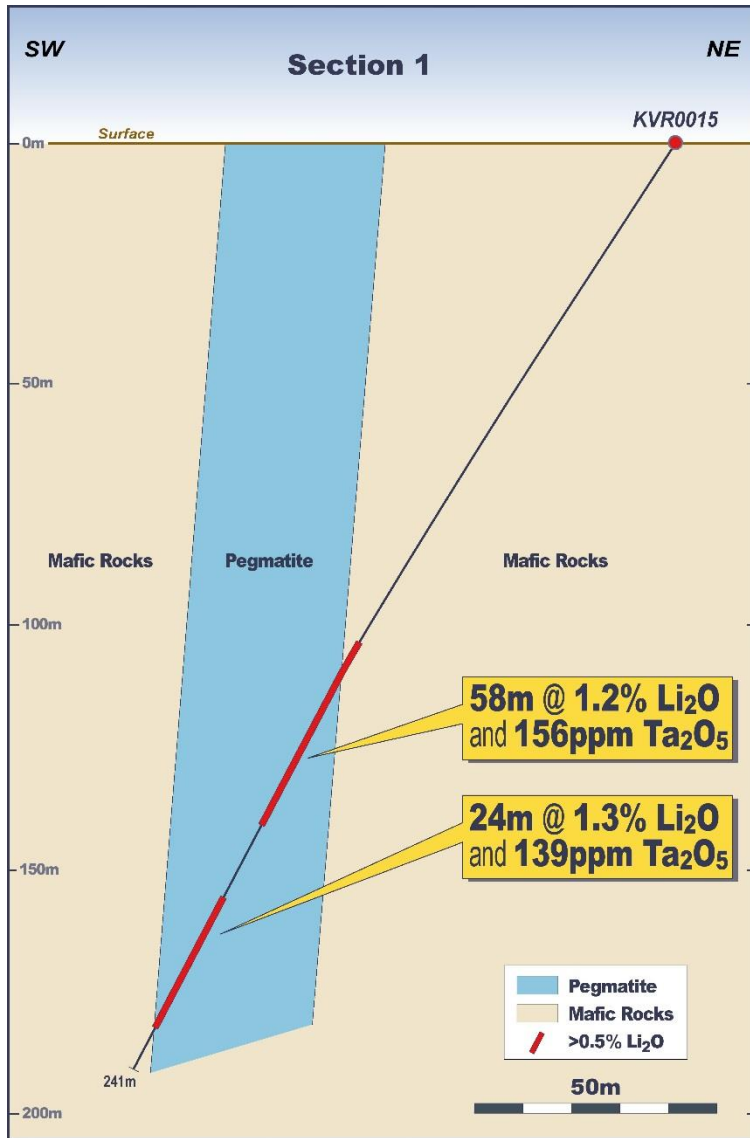


Kathleen Valley Lithium-Tantalum Project

- Large, **spodumene-bearing pegmatite** swarm
- **Size, location and grade** enhance development potential
- Multiple **high grade lithium** (up to 3.9% Li_2O) and **tantalum** (up to 381ppm Ta_2O_5) assays from surface sampling
- Better intersections from initial drilling program include:
 - ✓ 58m @ 1.2% Li_2O from 135m incl.
 - 13m @ 2.0% from 167m
 - ✓ 24m @ 1.3% Li_2O from 206m incl.
 - 2m @ 2.6% from 217m
 - ✓ 13m @ 1.6% Li_2O from 0m incl.
 - 9m @ 1.9% from 2m
- 77km² tenement area located 680km NE of Perth, WA (NE Goldfields)



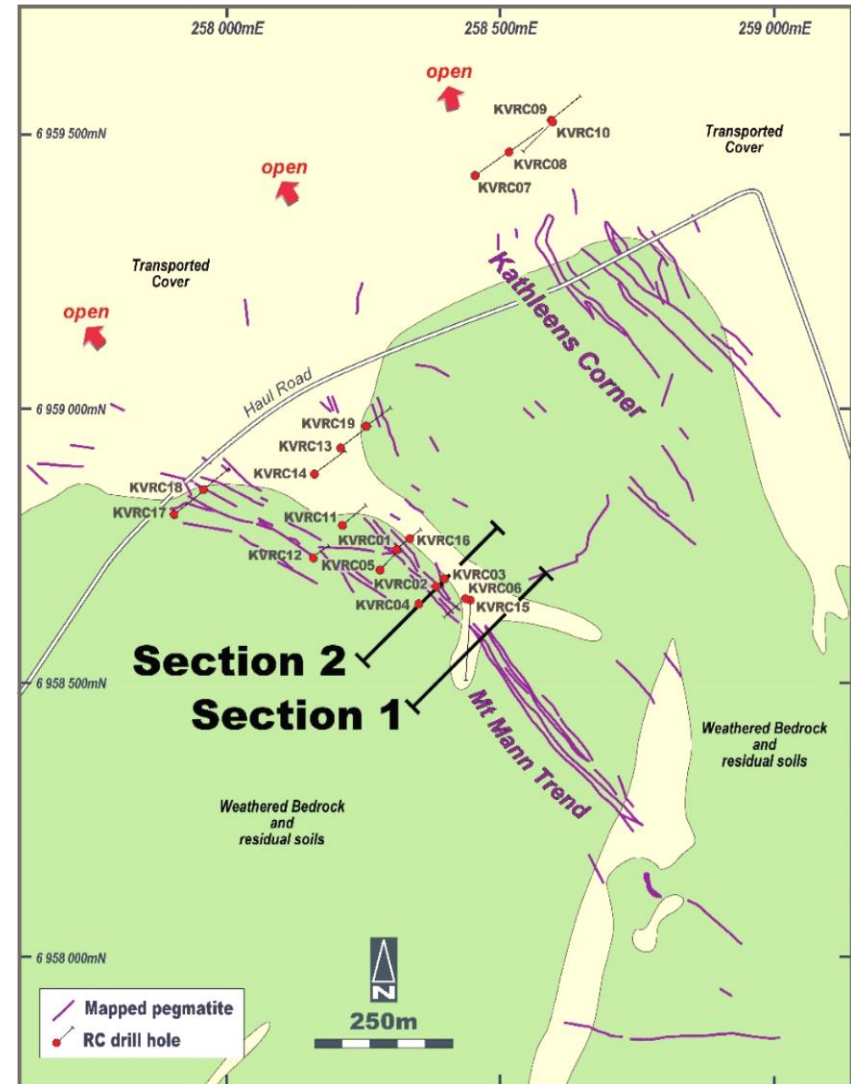
Kathleen Valley Lithium-Tantalum Project



Kathleen Valley Lithium-Tantalum Project

Highlights

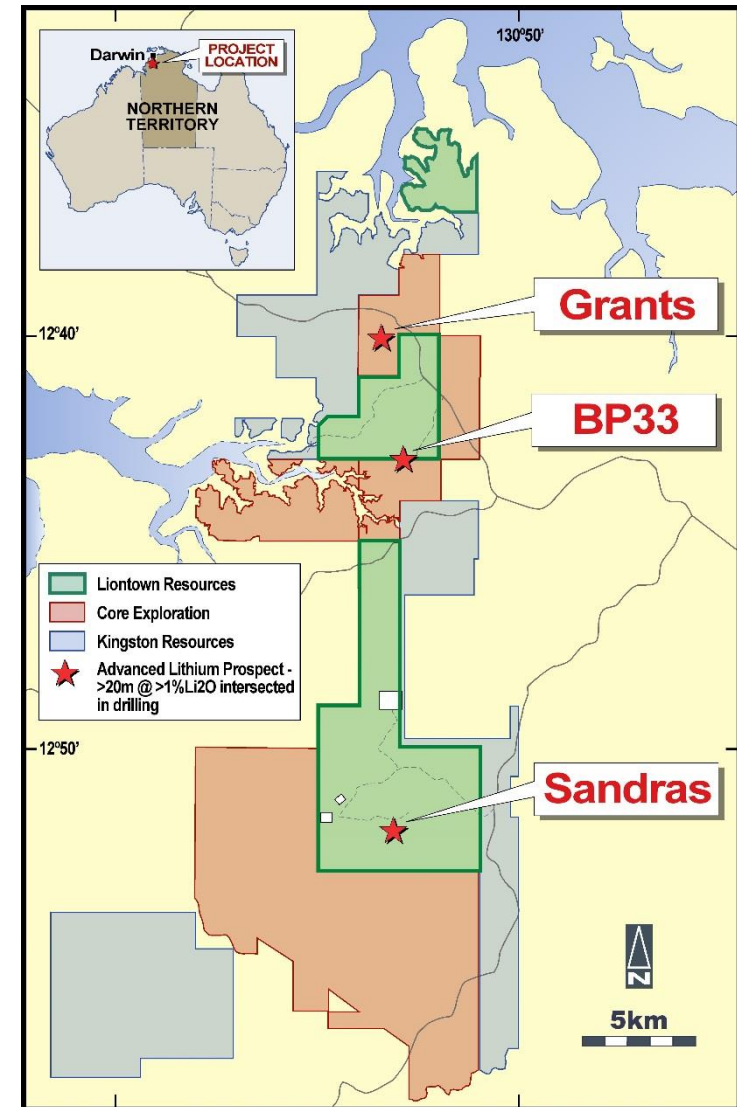
- High grade
- Fresh from surface
- Multiple pegmatites, >400m long, up to 30m thick
- Open along strike and at depth – two priority zones to follow up
- Good tantalum credits
- Close to modern transport, energy and camp infrastructure
- Granted Mining Leases
- Phase 2 drilling scheduled for Q3 2017



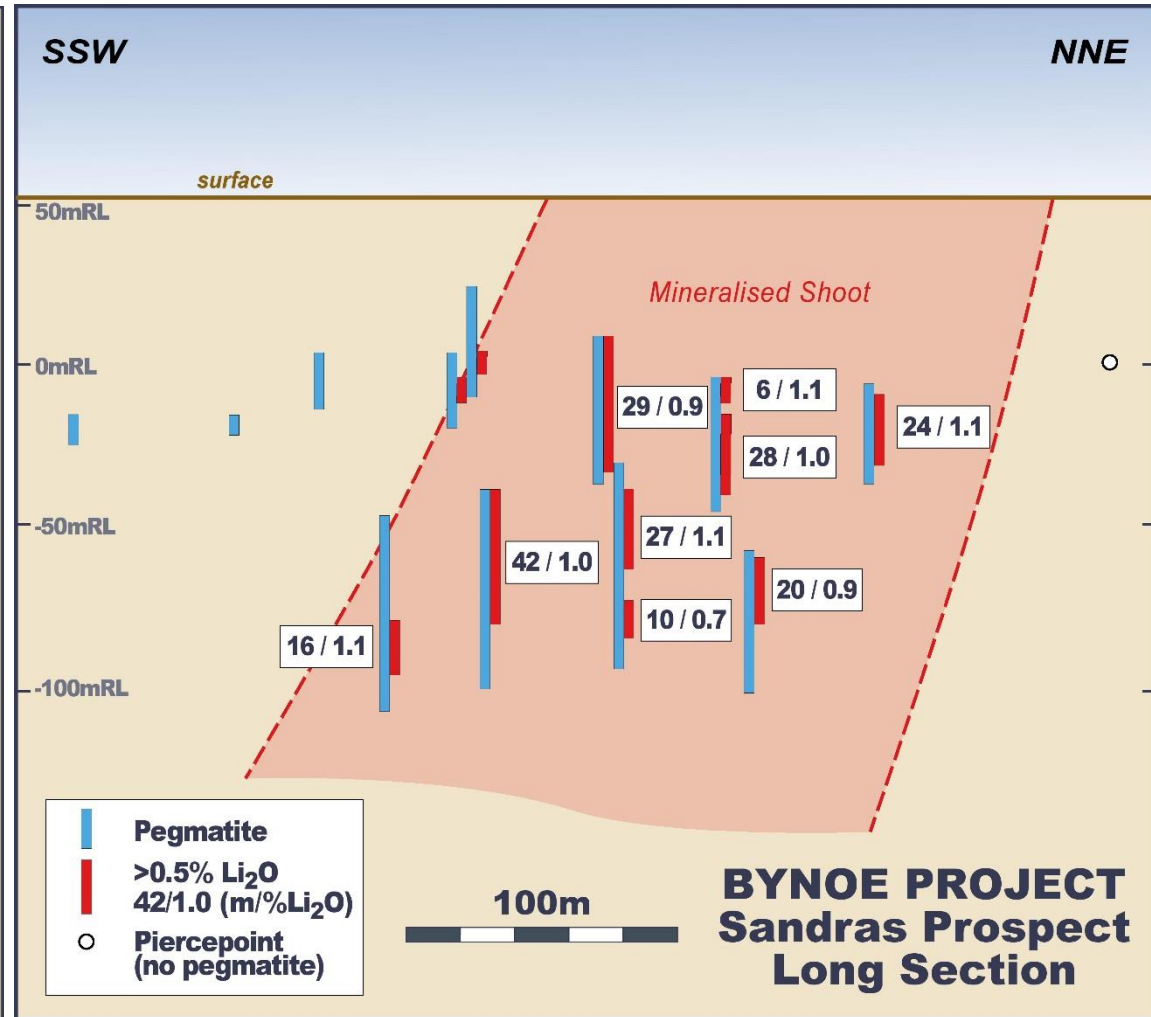
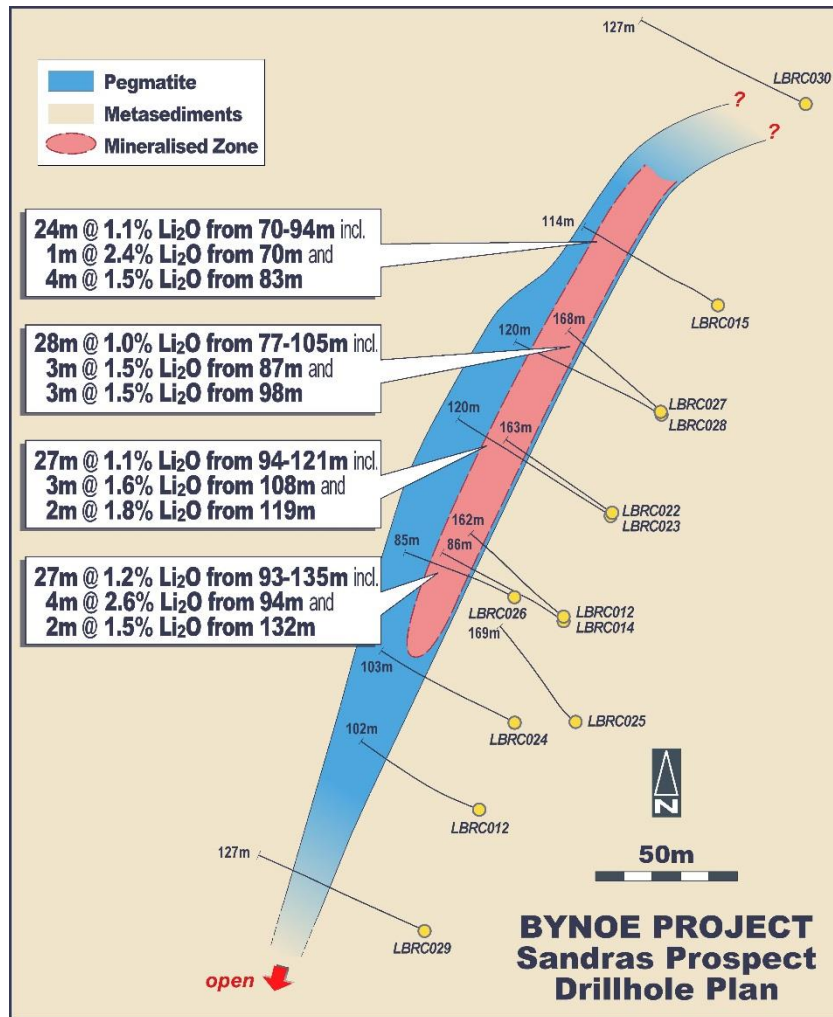
Bynoe Lithium Project – A New Lithium Discovery

- 88km² tenement area <50km from Darwin Port
- Covers central part of historic Bynoe tin-tantalum mining field
- **Good infrastructure** – best located lithium opportunity in Australia
- Two drilling programs completed in 2016 –thick zones of spodumene-related lithium mineralisation intersected
- **Li₂O values of >1%** intersected at 6 prospects
- Better results include:
 - 42m @ 1.0% Li₂O from 93m (LBRC014) incl. 4m @ 2.6% from 94m and 3m @ 1.5% from 132m
 - 24m @ 1.1% Li₂O from 70m (LBRC015) incl. 1m @ 2.4% from 4m @ 1.5%

Bynoe: target concept and potential confirmed

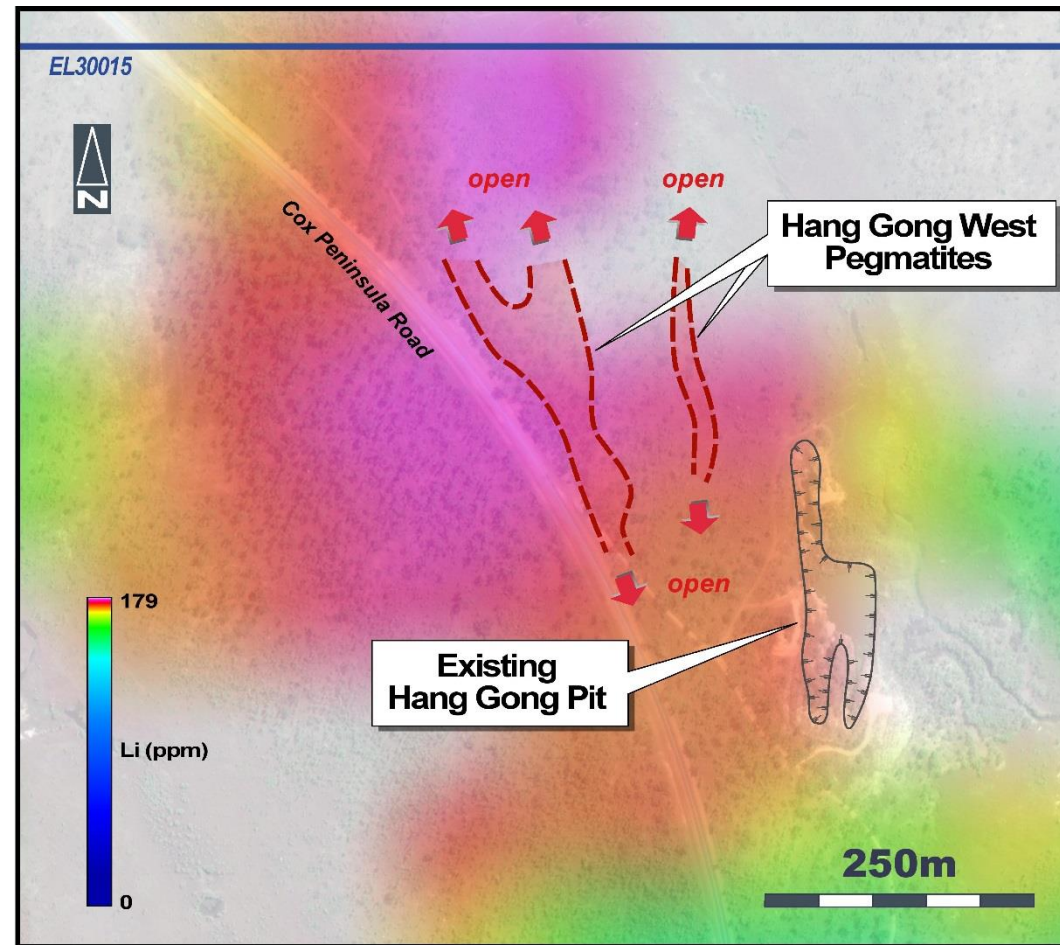
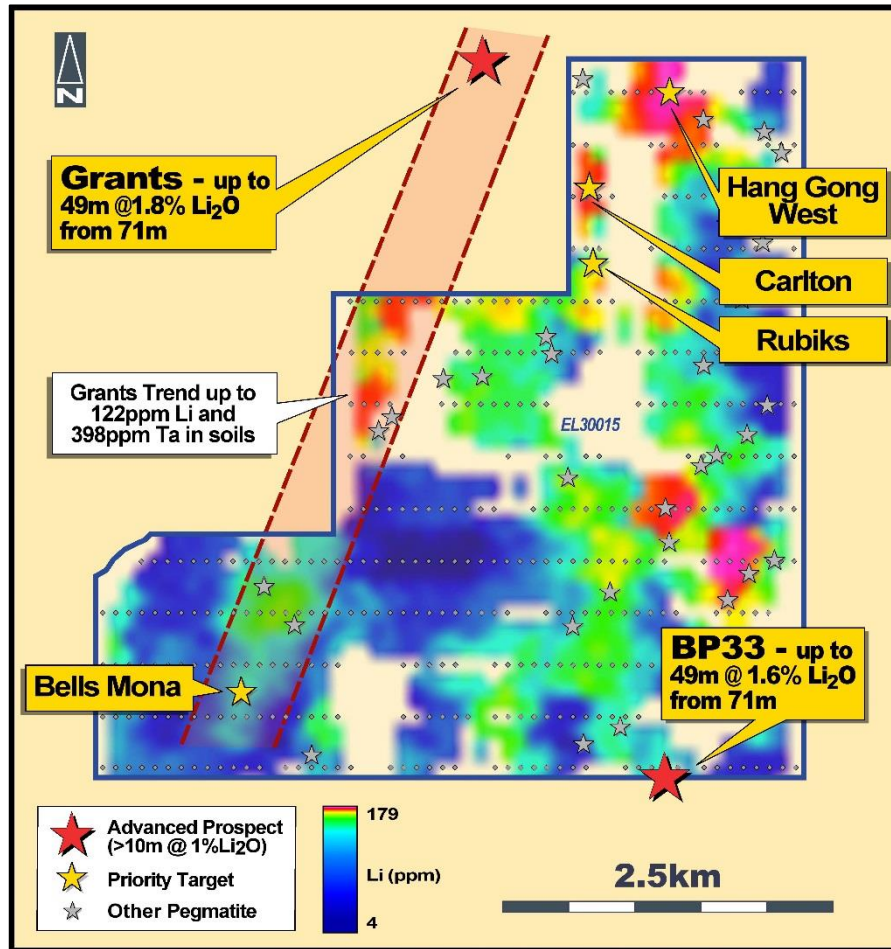


Bynoe Lithium Project – Sandras Prospect



>200m mineralized shoot defined – open at depth; confirms potential for field to host significant spodumene-related lithium mineralization

Bynoe Lithium Project – Outstanding Upside

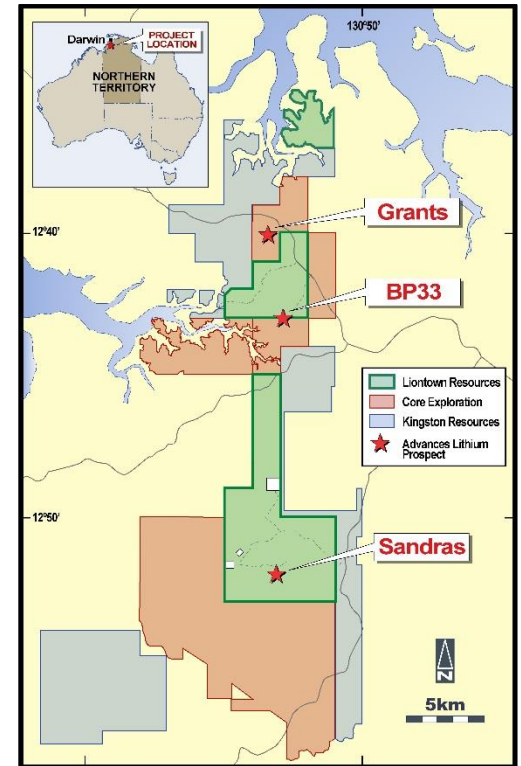


>50 documented pegmatites yet to be tested plus soil sampling and geophysics have defined new targets (*including Hang Gong West and extensions of Grants and Sandras*)

Bynoe Lithium Project – Highlights

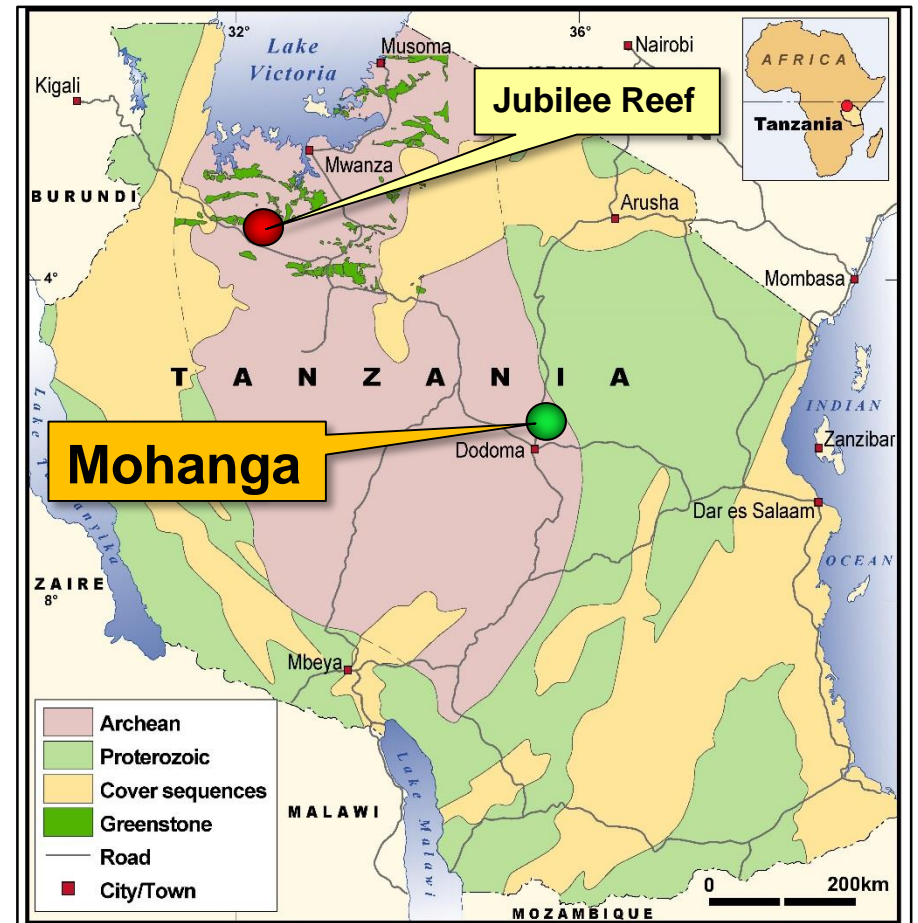
- Widespread spodumene-related lithium mineralisation confirmed
- >50 previously documented pegmatites yet to be tested
- New lithium (**and gold**) targets defined by soil sampling and aeromagnetic surveys
- Improved understanding of geological controls
- Further drilling scheduled for May-June 2017
- No other land users
- Best located lithium project in Australia

Strategic land position with multiple lithium prospective pegmatites



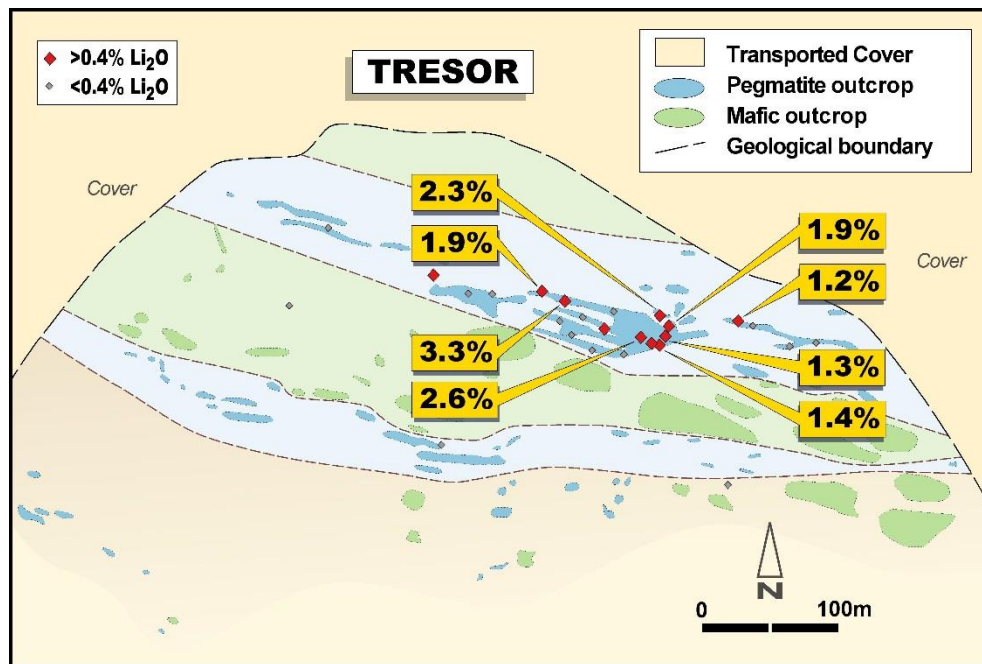
Mohanga – A World-Class Address

- South-eastern portion of Archaean Tanzanian Craton, 500km from main goldfields
- Virtually unexplored
- Geological setting analogous to SW corner of Yilgarn Block (WA) which hosts world class gold (Boddington) and lithium (Greenbushes) deposits
- Multi-commodity potential – lithium, tantalum and gold
- Good access and infrastructure – 40km from capital city, 50km from railway line



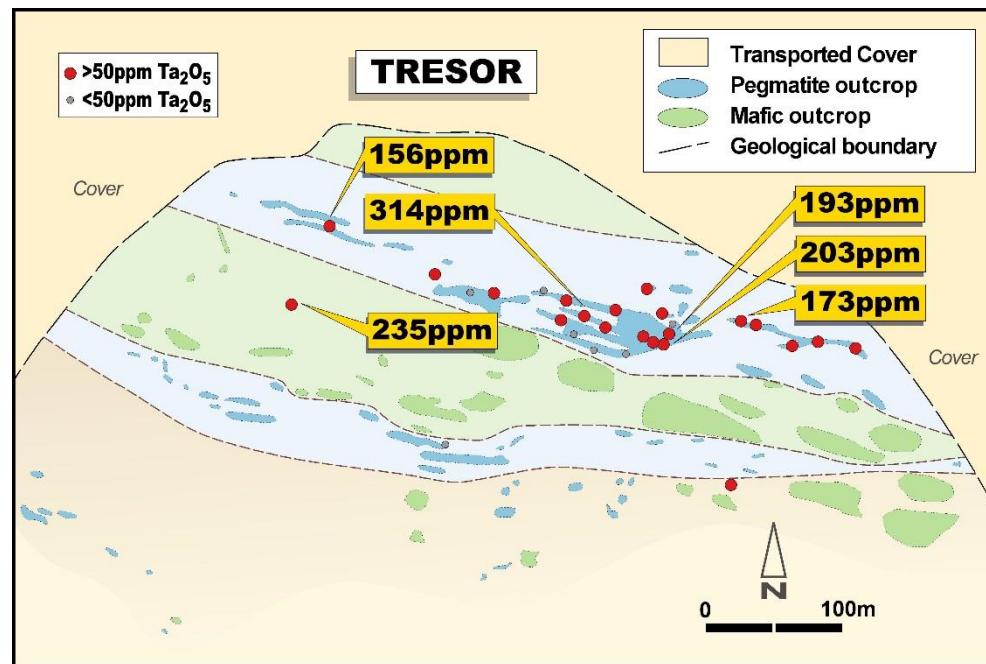
The Archaean Tanzanian Craton is a similar geological setting to the highly metal-endowed Yilgarn Craton of Western Australia

Mohanga – New high-grade lithium discovery



Tresor – Better lithium (Li_2O) results in rock chips

- Multiple **plus 1.5% Li_2O** values from surface sampling
- **Spodumene**-related mineralisation



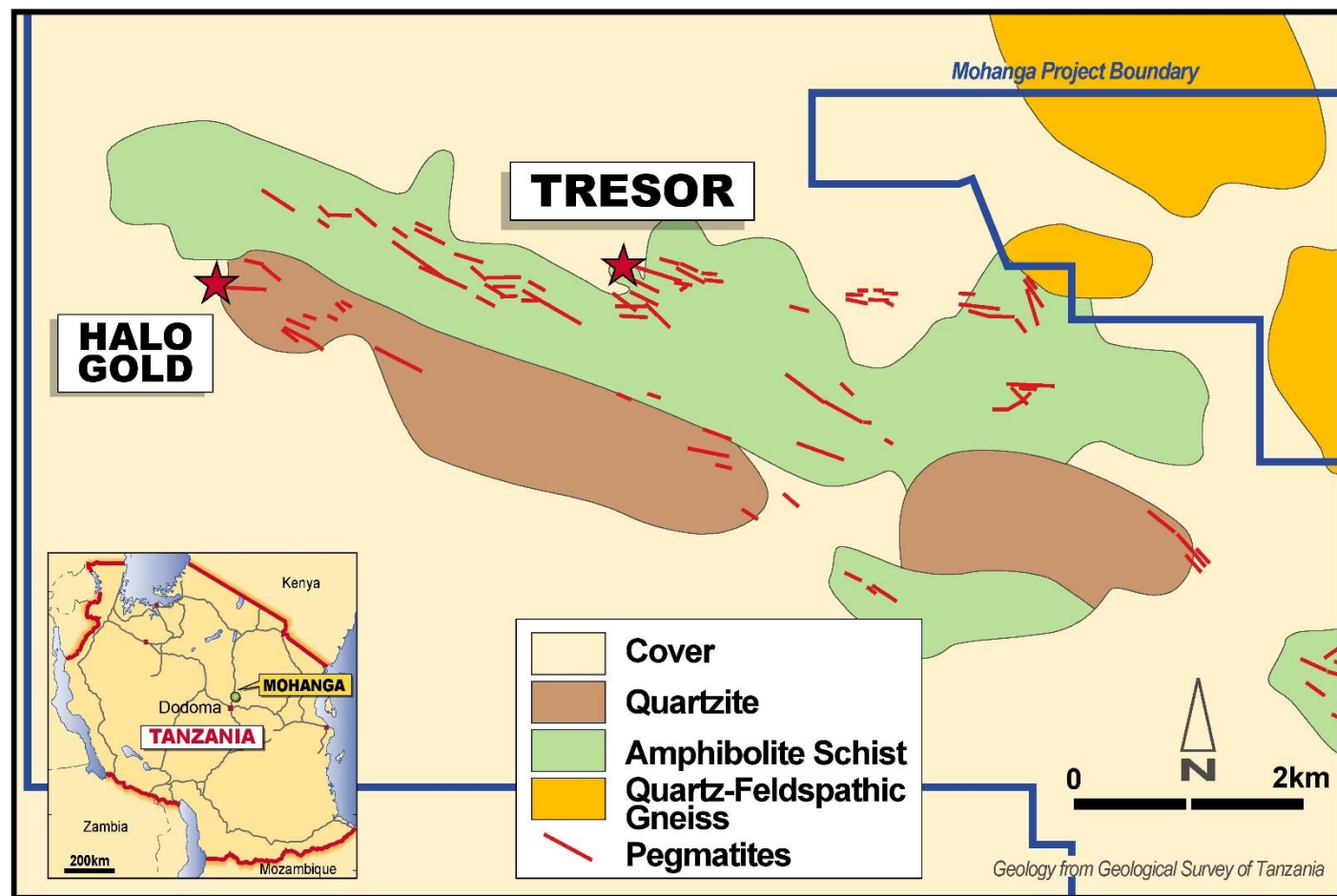
Tresor – Better tantalum (Ta_2O_5) in rock chips

- **Mineralised zone +500m long, up to 90m wide and open**
- Good **tantalum** credits

Unexplored Archaean Greenstone Belt with strong lithium, tantalum and gold anomalism.

Mohanga – Highlights

- Numerous untested pegmatites
- **High grade lithium at surface**
- Strong gold in soil anomalism (up to 120ppb) at Halo
- Follow up soil sampling and trenching in progress
- No previous drilling on Project



Unexplored Archaean Greenstone Belt with strong lithium, tantalum and gold anomalism.

Key Reasons to Invest in Liontown

Focussing on key economic parameters – grade, tonnage, metallurgy and infrastructure

Quality assets in Tier 1 jurisdictions

Early drilling results at Kathleen Valley and Bynoe indicate potential to establish significant lithium resources close to established infrastructure

New high-grade, spodumene-related lithium discovery at Mohanga

Emerging gold project in Tanzania with established resources and outstanding exploration potential – exploring options to advance

Highly leveraged to two of the strongest performing commodities

Active exploration, strong focus, multiple share price catalysts



Multiple opportunities for near term definition of lithium resources close to established infrastructure



Thank you

Contacts

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Tim Goyder (Chairman)

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ASX: LTR



Appendix 1: Kathleen Valley RC Drilling

Hole_ID	East	North	RL	Dip	Azimuth	Depth (m)	Significant Li2O (>0.5%) and Ta2O5 (>50ppm) results				
							From(m)	To(m)	Interval(m)	Li2O (%)	Ta2O5 (ppm)
KVRC0001	258306	6958744	500	-60	45	65	3	6	3	1	122
							10	11	1	1.1	85
							16	17	1	1.1	94
KVRC0002	258379	6958675	500	-60	225	109	0	13	13	1.6	114
							incl. 9m @ 1.9% Li2O and 107ppm Ta2O5 from 2m				
							26	29	3	1.3	101
							35	36	1	1.6	127
							83	96	13	1.6	111
							incl. 6m @ 2% Li2O and 113ppm Ta2O5 from 88m				
KVRC0003	258395	6958690	500	-59	225	155	91	105	14	1.7	163
							incl. 8m @ 2% Li2O and 130ppm Ta2O5 from 92m				
KVRC0004	258348	6958645	500	-50	45	89	36	38	2	1	99
							45	56	11	1.2	100
							incl. 3m @ 1.8% Li2O and 106ppm Ta2O5 from 45m				
KVRC0005	258276	6958707	500	-53	40	89	32	34	2	1.3	112
							39	40	1	1.5	132
KVRC0006	258433	6958654	500	-49.5	227.5	80	37	43	6	1.1	153
KVRC0007	258452	6959426	500	-47	45	132	29	35	6	1.4	170
							incl. 3m @ 1.9% Li2O and 166ppm Ta2O5 from 30m				
							39	40	1	1.1	198
							124	125	1	2.4	302
KVRC0008	258512	6959469	500	-50	55	130	81	82	1	1.2	310
							95	96	1	1	124
KVRC0009	258590	6959528	500	-50	45	113	57	59	2	0.7	248
							70	71	1	0.6	266
KVRC0010	258593	6959527	500	-50	225	130	83	85	2	1.1	211
							91	92	1	1.4	239
							100	106	6	1.2	284
KVRC0011	258208	6958788	500	-50	45	89	24	25	1	1	112

Appendix 1 (cont.): Kathleen Valley RC Drilling

Hole_ID	East	North	RL	Dip	Azimuth	Depth (m)	Significant Li2O (>0.5%) and Ta2O5 (>50ppm) results				
							From(m)	To(m)	Interval(m)	Li2O (%)	Ta2O5 (ppm)
KVRC0012	258154	6958729	500	-55	45	65	No significant assays				
KVRC0013	258205	6958930	500	-50	45	108					
KVRC0014	258157	6958881	500	-50	45	113	12	17	5	0	240
KVRC0015	258443	6958652	500	-50	180	241	135	193	58	1.2	156
							incl. 9m @ 1.8% Li2O and 220ppm Ta2O5 from 141m and				
							13m @ 2.0% Li2O and 138ppm Ta2O5 from 67m and				
							206	230	24	1.3	139
							incl. 3m @ 1.6% Li2O and 105ppm Ta2O5 from 208m and				
							2m @ 2.6% Li2O and 271ppm Ta2O5 from 217m and				
							4m @ 1.6% Li2O and 145ppm Ta2O5 from 226m and				
KVRC0016	258331	6958764	500	-50	45	40	No significant assays				
KVRC0017	257899	6958809	500	-50	45	119	63	65	2	1.3	212
KVRC0018	257951	6958853	500	-50	45	101	1	2	1	1.4	93
KVRC0019	258252	6958969	500	-50	45	89	No significant assays				

* True widths estimated as follows:

Holes drilled towards NE (040-055), true widths 70-80% of downhole width

Holes drilled towards SW (040-055), true widths 30-50% of downhole width

KVRC0015 true widths ~30% of downhole width

Appendix 2: Bynoe RC Drilling

Hole ID	Prospect	East	North	RL	Dip	Azimuth	Depth (m)	Significant (>0.5%) Lithium Results			
								From (m)	To (m)	Interval (m)	Grade (%)
LBRC001	BP33	694533	8593573	23	-80	125	78	No significant assays			
LBRC002		694499	8593566	23	-60	125	78	52	60	8	1.2
								incl. 3m @ 1.7% from 57m			
								63	68	5	1.5
								incl. 2m @ 2.2% from 64m			
LBRC003	Booths South	695148	8995139	57	-60	245	96	No significant assays			
LBRC004	Lees	694668	8595976	44	-70	180	90	66	70	4	1.2
LBRC005		694637	8595994	37	-90	180	90	66	68	2	0.8
LBRC006	Booths South	695073	8595223	53	-90	230	118	90	92	2	1.1
LBRC007	Hang Gong	694710	8598552	29	-60	90	132	No significant assays			
LBRC008		694697	8598502	31	-60	90	114				
LBRC009		694780	8598450	28	-60	270	90				
LBRC010		694744	8598643	27	-78	90	72				
LBRC011	Rocky Ridge	692793	8589503	35	-65	290	108	71	79	8	1
								incl. 2m @ 1.8% from 76m			
LBRC012	Sandras	693222	8576799	55	-65	290	102	No significant assays			
LBRC013		693252	8576866	52	-65	297	96	65	73	8	0.8
LBRC014		693253	8576866	52	-80	297	162	93	135	42	1
								incl. 4m @ 2.6% from 94m and			
								incl. 3m @ 1.5% from 132m			
LBRC015		693307	8576976	53	-65	300	114	70	94	24	1.1
								incl. 1m @ 2.4% from 70m and			
								4m @ 1.5% from 83m			
LBRC016	Martins	693783	8577524	49	-65	308	96	No significant assays			
LBRC017	Turners	694058	8577814	58	-65	128	96				
LBRC018	Bilatos	690764	8578236	44	-65	135	108				
LBRC019		690829	8578162	45	-65	315	102				
LBRC020	Talamia West	693354	8578620	69	-70	115	132	96	98	2	1.9
								incl. 1m @ 3.2% from 97m			
								103	105	2	1.2
								111	113	2	2
								incl. 1m @ 3.2% from 112m			
LBRC021	Martins	693847	8577462	51	-65	308	96	No significant assays			

Estimated true widths – to be confirmed by further drilling

- *BP33 – 60% of down hole widths*
- *Lees – 100% of down hole width*
- *Booths South – 75% of down hole widths*
- *RR West – 75% of down hole widths*
- *Sandras – 50% of down ole widths*

Appendix 2 (cont.): Bynoe RC Drilling

Hole ID	Prospect	East	North	RL	Dip	Azimuth	Depth (m)	Significant (>0.5%) Lithium Results			
								From (m)	To (m)	Interval (m)	Grade (%)
LBRC022	Sandras	693270	8576903	52	-80	295	163	94	121	27	1.1
								incl. 3m @ 1.6% from 108m and 2m @ 1.8% from 119m			
								130	140	10	0.7
								incl. 1m @ 1.8% from 131m			
LBRC023		693269	8776903	52	-65	295	120	52	81	29	0.9
								incl. 4m @ 1.5% from 69m and 2m @ 2.3% from 78m			
								96	99	3	1.1
LBRC024		693235	8676830	52	-65	295	103	No significant assays			
LBRC025		693256	8576830	52	-80	295	169	109	110	1	1.4
								136	152	16	1.1
LBRC026		693235	8576874	52	-60	295	85	incl. 6m @ 1.7% from 139m			
								61	66	5	0.6
								65	71	6	1.1
								incl. 2m @ 2.3% from 66m			
								77	105	28	1
								incl. 2m @ 1.6% from 79m and 3m @ 1.5% from 87m and 3m @ 1.5% from 98m			
LBRC027		693286	8576939	52	-65	295	120	116	136	20	0.9
								incl. 2m @ 1.8% from 122m			
LBRC028		693287	8576939	52	-80	295	168	No significant assays			
LBRC029		693202	8576757	52	-73	295	127				
LBRC030		693338	8577047	52	-65	295	127				
LBRC031	Hungry	692026	8577545	48	-60	295	109	No significant assays			
LBRC032		691954	8557589	48	-60	135	103				
LBRC033	Talwest	693371	8578656	64	-65	115	121	88	89	1	0.9
								93	94	1	0.8
								99	103	4	1.3
								incl. 1m @ 2% from 100m			
LBRC034		693337	8578584	64	-70	115	163	129	130	1	0.9
								139	142	3	0.6
								145	150	5	0.9
								incl. 1m @ 2.5% from 147m			
LBRC035	Talwest	693322	8578545	73	-65	115	121	No significant assays			
LBRC036	Talwest	693364	8578417	64	-70	115	85				

Estimated true widths – to be confirmed by further drilling

- BP33 – 60% of down hole widths
- Lees – 100% of down hole width
- Booths South – 75% of down hole widths
- RR West – 75% of down hole widths
- Sandras – 50% of down ole widths

Appendix 2 (cont.): Bynoe RC Drilling

Hole ID	Prospect	East	North	RL	Dip	Azimuth	Depth (m)	Significant (>0.5%) Lithium Results			
								From (m)	To (m)	Interval (m)	Grade (%)
LBRC037	Tal 4	693919	8578427	74	-55	290	102	No significant assays			
LBRC038	Tal 3	693793	8578158	74	-60	295	121				
LBRC039	Tal 3	693732	8578065	74	-75	295	73				
LBRC040	Fred East	692625	8578632	60	-65	320	109				
LBRC041	Apache	692843	8580223	68	-80	270	85				
LBRC042	Apache	692843	8580223	68	-55	270	55				
LBRC043	Apache	692763	8580224	68	-60	90	73				
LBRC044	Tal 10 N	693297	8579770	70	-55	315	55				
LBRC045	Tal 10 S	692996	8579328	70	-80	305	115				
LBRC046	Tal 10 S	692996	8579328	70	-60	305	67				
LBRC047	Sabine	694194	8579937	59	-73	290	79				
LBRC048	Rocky Ridge	692807	8589541	35	-65	290	121				
LBRC049	Rocky Ridge	692779	8589465	35	-65	290	121	85	87	2	1.3
								incl. 1m @ 1.9% from 85m			
								95	102	7	0.7
LBRC050	Rocky Ridge	693527	8589644	42	-70	300	103	No significant assays			
LBRC051		692411	8589233	34	-70	260	115				
LBRC052	BP33	694472	8593589	35	-67	135	175	120	125	5	1.5
LBRC053		694570	8593630	27	-60	315	91	No significant assays			
LBRC054		694585	8593611	27	-60	315	73				
LBRC055	Lees	694769	8596010	42	-60	225	133				

Estimated true widths – to be confirmed by further drilling

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- *Sandras – 50% of down ole widths*

Appendix 3: Mohanga/Tresor Rock Chip Sampling

Sample_ID	East	North	Li2O%	Ta2O5 (ppm)	Au (ppm)	Sample_ID	East	North	Li2O%	Ta2O5 (ppm)	Au (ppm)
146943	9612	53508	0.01	87	0.01	146957	9754	53504	0.22	59	0.06
146944	9636	53486	0.01	23	0.02	146958	9781	53489	0.24	63	0.03
146945	9645	53502	0.86	78	0.11	146959	9826	53487	0.02	62	0.05
146946	9629	53511	0.02	314	0.01	146960	9800	53492	0.33	87	0.06
146947	9621	53498	0.02	48	0.02	146932	9415	53519	0.01	235	0.01
146948	9616	53522	3.31	97	0.02	146934	9520	53541	0.41	88	0.15
146949	9652	53515	0.26	122	0.02	146935	9545	53528	0.07	39	0.09
146950	9659	53483	0.02	20	0.09	146936	9563	53527	0.03	64	0.1
146951	9672	53496	2.58	85	0.1	146937	9599	53529	1.95	46	0.01
146952	9675	53531	0.15	137	0.09	146938	9680	53491	0.9	77	0.32
146953	9686	53512	2.26	104	0.15	146939	9743	53507	1.16	173	0.04
146954	9692	53504	1.85	48	0.08	145712	9736	53388	0.04	55	0
146955	9690	53497	1.34	193	0.13	145713	9526	53417	0.06	30	0
146956	9685	53490	1.4	203	0.04	145759	9443	53576	-0.02	156	0