



# **COMPANY UPDATE**

# SPODUMENE IDENTIFIED AT TRIGG HILL PROJECT

# Highlights

- Spodumene identified in drill samples at Trigg Hill Project.
- Assays for Phase 1 drilling are still pending.
- Phase 2 drilling continues and has been expanded to approximately 2,500m.

Eastern Resources Limited ("Eastern Resources" or the "Company") is pleased to announce spodumene has been identified in drill samples at the Trigg Hill Project ("Project").

Maiden drilling at the Project has identified significant thickness of pegmatites in multiple holes (refer to the Company announcement dated 4 October 2022) with assays still pending.

A recent mineralogical review of samples from several intercepts in maiden drilling has confirmed the presence of abundant spodumene by multiple methods including logging, XRD scans and fluorescence.



**Figure 1:** Lime green to grey spodumene with white albite and quartz, drill hole ECRC009



Figure 2: Classic salmon colour fluorescence of unaltered grey spodumene under 365nm ultraviolet lamp, drill hole ECRC009

The phase 2 drill program has been expanded to approx. 2,500m. Assay results from the maiden drill program are pending analysis and will be announced when received.

**Executive Director Myles Fang commented:** "The confirmation of spodumene bearing pegmatites at the Trigg Hill Project is an exciting development for Eastern Resources. We look forward to the assay results from our phase 1 drill samples. In the meantime our phase 2 drill program is underway to accelerate exploration at Trigg Hill."

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## **Trigg Hill Lithium-Tantalum Project**

The Trigg Hill Project is located in East Pilbara, Western Australia and approx. 75km SE of Pilbara Minerals Ltd.'s Pilgangoora Lithium mine.

The Trigg Hill mine is an old tantalum and tin mine operated during 1960s and early of 1980s. A significant number of pegmatite outcrops have been mapped over an area of 3km strike by up to 1.2km in the Trigg Hill Lithium-Tantalum Project including the East Curlew Lithium-caesium-tantalum ("LCT") pegmatite, which extends for at least 1,800m.

Rock-chip assays confirm extensive lithium-caesium-tantalum (LCT) pegmatites, with results up to 2.28%  $Li_2O$ , 1,552ppm  $Cs_2O$ , and 514ppm  $Ta_2O_5$  from the Curlew East pegmatite swarm (refer to the Company announcement dated 8 July 2022).

The Company executed a binding Heads of Agreement to acquire 100% interest in the Trigg Hill Project (refer to the Company announcement dated 4 August 2021) and has recently given notice of exercise of the option (refer to the Company announcement dated 19 September 2022).



Figure 3: Location of Trigg Hill Project



#### **INVESTOR INFORMATION**

Further information, previous Company announcements and exploration updates are available at the Investors tab on the Company's website – www.easternresources.com.au

This announcement has been authorised for release by the Board of the Company.

#### Eastern Resources Limited

Myles Fang Executive Director

#### ASX: EFE

For enquiries on your shareholding or change of address please contact: Boardroom Limited GPO Box 3993, Sydney NSW 2001 Phone: (02) 9290 9600

#### **COMPETENT PERSONS STATEMENT**

The information in this release that relates to Exploration Results is based on and fairly represents information and supporting documents complied by Mr Mark Calderwood, consultant to the Company.

Mr. Calderwood is a Member of The Australasian Institute of Mining and Metallurgy. Mr. Calderwood has sufficient relevant 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 within the definition of the 2012 Edition of the Australasian Code for Reporting of Exploration Results, Mineral Resources and Ore Reserves (JORC Code).

Mr Calderwood consents to the inclusion in this report of the matters based on this information in the form and context in which it appears.

#### FORWARD LOOKING STATEMENTS

This announcement includes certain "forward-looking statements". All statements, other than statements of historical fact, are forward looking statements that involve risks and uncertainties. There can be no assurances that such statements will prove accurate, and actual results and future events could differ materially from those anticipated in such statements. Such information contained herein represents management's best judgement as of the date hereof based on information currently available. The Company does not assume any obligation to update forward looking statements. Any forward-looking statements in this announcement speak only at the date of issue of this announcement. Subject to any continuing obligations under applicable law and the ASX Listing Rules, the Company, its directors, officers, employees and agents do not give any assurance or guarantee that the occurrence of the events referred to in this announcement will occur as contemplated.

#### **CAUTIONARY STATEMENT**

This announcement includes qualitative information on the presence of pegmatites and the presence of spodumene within the pegmatites has currently been recorded by the Company's Competent Person based on a combination of visual characteristics, XRD reports, and fluorescence. No estimates on relative abundance of minerals species present in the drill chips has been estimated, whilst visual observations of spodumene minerals in a pegmatite confirms the prospective nature of the pegmatitic host rock, no assumption of lithium grade can be inferred from those observations.



Laboratory assays are required to confirm the lithium grades. The Company will update the market when laboratory results become available.

### Appendix A JORC Code Table 1 for Exploration Results

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.	4 samples were collected for Semi- quantitative XRD analysis at Microanalysis Australia. The samples were of >2mm RC chips from logging chip trays.
	Include reference to measures taken to ensure sample representativity 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 (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 core is oriented and if so, by what method, etc.).	Reverse circulation drilling
Drill sample recovery	Method of recording and assessing core and chip sample recoveries and results assessed.	Drill holes were dry, there has been no contamination of logged intervals due to
	Measures taken to maximise sample recovery and ensure representative nature of the samples.	ground conditions or drilling techniques.
	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.	

### Section 1 Sampling Techniques and Data



Criteria	JORC Code Explanation	Commentary			
Logging	Whether core and chip samples have been geologically and geotechnically logged to a level of detail to support appropriate Mineral Resource estimation, mining studies and metallurgical studies.	RC chips were logged at 1 metre intervals, all intervals were fresh or partially weathered. The logging is qualitative in nature			
	Whether logging is qualitative or quantitative in nature. Core (or costean, channel, etc.) photography				
	The total length and percentage of the relevant intersections logged.				
Sub- sampling techniques and sample preparation	If core, whether cut or sawn and whether quarter, half or all core taken.	At Microanalysis Australia a representative sub-sample was removed and lightly ground			
	If non-core, whether riffled, tube sampled, rotary split, etc. and whether sampled wet or dry.	such that 90% was passing 20 micron.			
	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.				
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.	No standards were used in the quantification process. The concentrations were calculate using the normalized reference intensity ration method where the intensity of the 100% per			
	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.	divided by the published I/Ic value for each mineral phase is summed and the relative percentages of each phase calculated based on the relative contribution to the sum. This method allows for slight attention to be paid to preferred orientation but is limited in			
	Nature of quality control procedures adopted (e.g. standards, blanks, duplicates, external laboratory checks) and whether acceptable	considering other factors including but not limited to; variable crystallinity, alteration, fluorescence, substitution and lattice strain.			
	levels of accuracy (i.e. lack of bias) and precision have been established.	The presence of crystalline mineral phase is recorded as a ICDD match probability. Of the 4 samples from Trigg Hill, the presence of spodumene was of 'medium probability' and 1 was of 'low probability'			



Criteria	JORC Code Explanation	Commentary		
Verification of sampling and assaying	The verification of significant intersections by either independent or alternative company personnel.	Not applicable – no drill intercepts being reported.		
	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.			
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.	Drill holes ECRC001 to ECRC016 were surveyed using DGPS accurate to 0.5mH 1.0mV, remaining holes surveyed using hand held GPS are currently only accurate to 3mH and 5mV. Grid system is GDA94 MGA Zone 50		
Data spacing and	Data spacing for reporting of Exploration Results.	The holes were placed at random intervals based on access restrictions.		
distribution	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.			
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.	Too early to determine orientation of pegmatites however the larger pegmatites appear to dip at low angles		
	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.			
Sample security	The measures taken to ensure sample security.	Samples delivered to Microanalysis Australia by Competent Person		
Audits or reviews	The results of any audits or reviews of sampling techniques and data.	None undertaken		



# Section 2 Reporting of Exploration Results

Criteria	Explanation	Comm	enta	ary					
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.	Explora Marble Pty Ltd purcha foregoi and gra vendor respon royalty The co owners with the The Lid titled of Accord Severa Atlas Ir The lic potenti	ation Bar Bar Se 1 Se 1 Se 1 Se 1 Se 1 Se 1 Se 1 Se 1	a licence 45 in the Pilb ne Compar 00% legal enement, s ng a 1.5% r ollowing co ity for the p any is in the and assign vamal. ce application frastructure partially over e application il line (FNA	5/5728 is lo ara in the r ny has exer and benefi- subject to s net revenue mpletion, the payment of e process of ment of ur fon is subject name of se agreeme e miscella erlap the lic on partially A11568).	acated 7 name of rcised an icial owr atisfying e royalty he Comp the State of arrang nderlying ect to a Nyamal ent has b neous 1 cence ar overlies	8km W Amery n option lership a cas payab bany w te Gove ing tra g agree registe (WC been co icence ea. a rese	SW c Hold of the of the h pay le to iill ass ernme ment ered r 1999/ omple s hel rve fo	of ment the sume ent of s of s of s of s of s of s of s of
Exploration done by other parties	Acknowledgment and appraisal of exploration by other parties.	This re annour Pegma	port nced itites	refers to p I on ASX o I Intercepte	rior explora n 4 Octobe ed at Trigg	ation res er 2022 ' Hill Proj	ults pr Thick ecť	eviou	sly
Geology	Deposit type, geological setting and style of mineralisation.	The geology of the project is largely rafts of amphiboliti and chloritic schists after basalts and dolerites, with some schistose metaperidotites, meta-dunnites and komatiiti metabasalts, between variably gneissic granitoid units of monzogranite, granite, granodiorite and tonalite. Siliceour metasediment units and greisen are also mapped on the property. Pegmatite dykes related to the various granitic plutons have been intruded into the greenstone sequences and occur in swarms. These are variably fractionated and several have been located that fall at the end of the fractionation sequence in the Lithium-Tantalum-Caesium (LCT) category.				politic some atiitic its of eeous n the ns and d sium			
Drill hole Information	A summary of all information material to the understanding of the exploration results including a	All drill Table <i>1</i>	hole 1: Tr	es in includ igg Hill and	ed in follov d Curlew R	ving tabl C drill he	e oles.		
	tabulation of the following information for all Material drill holes:	Hole I ECRC	D 001	East (m) 737989.5	North (m) 7612253.8	RL (m) 281.9	<b>Azm.</b> 90	<b>Dip</b> -60	<b>Depth</b> (m) 30
	easting and porthing of the	ECRC	002	737980.8	7612280.1	283.3	270	-60	60
	drill hole collar	ECRC	003	737989.7	7612492.2	299	270	-60	60
		ECRC	004	737976.3	7612604.8	292.4	270	-60	42
	elevation or RL (Reduced	ECRC	005	738071.1	7612487.9	297.5	270	-60	78
	Level – elevation above sea	ECRC	006	738111.8	7612499.3	297.7	270	-60	66
	level in metres) of the drill	ECRC	007	738195.4	7612490.9	301.1	270	-55	60
	noie collar	ECRC	008	738207.7	7612490.5	301.4	270	-60	84
	<ul> <li>dip and azimuth of the hole</li> </ul>	ECRC	009	738217.9	7612583.4	312.3	270	-60	56
	down hole longth and	ECRC	010	738227.8	7612581.0	311.5	90	-00	/8
	interception depth	FCRC	012	738254.1	7612310.1	314.7	270	-60	60 60
1		LCIU	~+~	/ 30234.1	/012100.1	314.7	225	00	00



Criteria	Explanation	Commentary				
	hole length.	ECRC 013 738260.3 7612170	5 315	135	-60	20
	If the exclusion of this information	ECRC 014 738256.6 7612167	8 315.1	165	-60	15
	is justified on the basis that the	ECRC 015 738397.7 7612189	6 310.4	90	-75	52
	information is not Material and this	ECRC 016 738430.5 7611832	8 296.6	270	-60	60
	exclusion does not detract from the	ECRC 017 738326 76118	7 286	270	-60	60
	understanding of the report, the	ECRC 018 738195 761174	2 269	270	-60	60
	Competent Person should clearly	ECRC 019 738127 761168	8 273	270	-60	60
	explain why this is the case.	ECRC 020 738225 76125	7 312	225	-60	84
		ECRC 021 738122 761250	4 298	45	-60	30
		ETRC 001 736796 760958	5 284	-	-90	60
		ETRC 002 736798 760959	5 283	-	-90	72
		ETRC 003 736807 760963	2 281	180	-75	60
		ETRC 004 736815 76096	3 280	360	-75	66
		ETRC 005 736805 760969	1 279	360	-75	60
		ETRC 006 736853 760972	8 272	90	-60	128
		ETRC 007 736936 760959	6 271	45	-60	60
		ETRC 008 736921 76095	2 270	45	-60	63
		ETRC 009 736911 760950	5 268	45	-60	68
		ETRC 010 736902 760954	6 268	45	-60	64
<b>D</b> (		ETRC 011 736892 760952	9 272	45	-60	86
	truncations (e.g. 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.	visual assessment by a Comp significant experience in ident	fying spoo	son with dument	h e.	
Relationship between mineralisa- tion 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 (e.g. 'down hole length, true width not known').	The true width of pegmatites a	t this stag	e are u	unkno	wn.



Criteria	Explanation	Commentary
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.	No figures included. Hole co-ordinates are included above and figures and sections will be included when all results are to hand.
Balanced reporting	Where comprehensive reporting of all Exploration Results is not practicable, representative reporting of both low and high grades and/or widths should be practiced to avoid misleading reporting of Exploration Results.	All relevant information has been included or referenced. All drill hole co-ordinates are included in table 1 above.
Other substantive exploration data	Other exploration data, if meaningful and material, should be reported including (but not limited to): geological observations; geophysical survey results; geochemical survey results; bulk samples – size and method of treatment; metallurgical test results; bulk density, groundwater, geotechnical and rock characteristics; potential deleterious or contaminating substances.	All relevant and material exploration data for the target areas discussed, has been reported.
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). Diagrams clearly highlighting the areas of possible extensions, including the main geological interpretations and future drilling areas, provided this information is	Eastern Resources Limited is planning to undertake further drilling, mapping and sampling within the area
	not commercially sensitive.	