

### Liontown to commence next phase of feasibility metallurgical test work for Kathleen Valley Lithium-Tantalum Project, WA

- **6-month program of detailed metallurgical test work to commence mid-March.**
- **Builds on 2018 test results which confirmed the potential for the Kathleen Valley Project to produce a saleable spodumene concentrate with low iron (<0.5%).**
- **Recently released Scoping Study indicates potential for a commercially robust mining operation based on the maiden Mineral Resource of 21.2Mt @ 1.4% Li<sub>2</sub>O and 170ppm Ta<sub>2</sub>O<sub>5</sub>.**

Liontown Resources Limited (“Liontown” or “Company”) advises that it is about to commence the next phase of feasibility-level metallurgical test work for its 100%-owned **Kathleen Valley Lithium-Tantalum Project** in WA after awarding the 6-month program to Australian Laboratory Services (ALS).

The program will commence in mid-March 2019 at ALS’s Balcatta laboratory in Perth with supervision by Lycopodium Minerals.

Four tonnes of spatially and geologically representative material from 33 large diameter diamond holes has been selected for the test work program covering the proposed mining operation as outlined by the positive Scoping Study released in late January 2019.

The program will include the evaluation of High Pressure Grinding Roll (HPGR) technology in the comminution circuit and the further development of a potential tantalum circuit. Locked-cycle flotation tests will also be performed on composite and variable samples to build on the prior results and to demonstrate the potential to produce a minimum 6% Li<sub>2</sub>O spodumene concentrate.

The program is designed to optimise the process flowsheet, generate plant design criteria as well as provide samples for potential off-take partners

The planned test work builds on the success of the Company’s 2018 preliminary test work program which demonstrated spodumene recovery of 79% at a concentrate grade of 5.6% Li<sub>2</sub>O with a low iron content of <0.5% Fe<sub>2</sub>O<sub>3</sub>.



DAVID RICHARDS  
Managing Director  
13<sup>th</sup> March 2019

*The Information in this report that relates to the Scoping Study for the Kathleen Valley Project is extracted from the ASX announcement "Kathleen Valley Scoping Study confirms potential for robust new WA lithium mine development" released on the 29<sup>th</sup> January 2019 which is available on [www.ltresources.com.au](http://www.ltresources.com.au).*

*The Information in this report that relates to Metallurgy for the Kathleen Valley Project is extracted from the ASX announcement "Highly encouraging results from initial metallurgical test work at the Kathleen Valley Lithium-Tantalum Project, WA" released on the 12<sup>th</sup> November 2018 which is available on [www.ltresources.com.au](http://www.ltresources.com.au).*

*The Information in this report that relates to Mineral Resources for the Kathleen Valley Project is extracted from the ASX announcement "Maiden 21 million tonne Lithium-Tantalum Mineral Resource sets strong growth foundation for Liontown at Kathleen Valley" released on the 4<sup>th</sup> September 2018 which is available on [www.ltresources.com.au](http://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 announcement 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 materialise, 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.*