Locksley Resources Announces Breakthrough Antimony Recovery Results from Rice University Collaboration

09.07.2026 | PR Newswire

Locksley Resources Ltd. (ASX: LKY; OTCQX: LKYRF) announced that raw ore containing 9-12% antimony was successfully upgraded to an 89% Sb-containing recovered product in the most recent laboratory work that advances the DeepSolv™ technology, a collaboration between the company and Rice University.

Further optimization increased the product concentration to up to 93% Sb. Testing on antimony concentrates containing approximately 65-70% Sb also produced recovered products grading approximately 91-96% Sb.

The Rice team has also successfully recovered phase pure antimony oxide from raw ore under optimized laboratory conditions, an important step in demonstrating the potential for DeepSolv™ technology-based processing to produce higher-value antimony products from Locksley's antimony feedstocks.

In a further positive development, electrodeposition testing has demonstrated recovery of pure metallic antimony directly from raw ore dissolved using DeepSolv™ technology. "This result is particularly significant as it supports the potential for an integrated processing pathway, progressing from laboratory dissolution of antimony-bearing ore through to the recovery of high-purity antimony oxide and metallic antimony products," said Kerrie Matthews, Managing Director and CEO of Locksley Resources. Additional information can be found here: https://cdn-api.markitdigital.com/apiman-gateway/ASX/asx-research/1.0/file/2924-03109511-6A1333169&v=undefined.

She added that these latest results demonstrate that DeepSolv™ processing technology has potential to unlock a cleaner and more flexible antimony recovery of both antimony oxide and metallic antimony products from ore and concentrates.

Locksley's collaboration with Rice University, internationally recognized for its leadership in advanced materials, nanotechnology and sustainable process engineering, forms a key pillar of Locksley's broader mine-to-market strategy.

Locksley Resources (https://www.locksleyresources.com.au) is focused on critical minerals in the U.S. The company is actively advancing the Mojave Project in California, targeting rare earth elements (REEs) and antimony. Locksley is executing a mine-to-market strategy for antimony, aimed at reestablishing domestic supply chains for critical materials, underpinned by strategic downstream technology partnerships with leading U.S. research institutions and industry partners. This targeted approach, combined with resource development with innovative processing and separation technologies, positions Locksley to play a role in advancing U.S. critical materials independence.

View original content:https://www.prnewswire.com/news-releases/locksley-resources-announces-breakthrough-antimony-recovery-re

SOURCE Locksley Resources

Contact
Beverly Jedynak, beverly.jedynak@viriathus.com, 312-943-1123; 773-350-5793 (cell)

Dieser Artikel stammt von GoldSeiten.de
Die URL für diesen Artikel lautet:
https://2026.goldseiten.de/artikel/707546--Locksley-Resources-Announces-Breakthrough-Antimony-Recovery-Results-from-Rice-University-Collaboration.html

Für den Inhalt des Beitrages ist allein der Autor verantwortlich bzw. die aufgeführte Quelle. Bild- oder Filmrechte liegen beim Autor/Quelle bzw. bei der vom ihm benannten Quelle. Bei Übersetzungen können Fehler nicht ausgeschlossen werden. Der vertretene Standpunkt eines Autors spiegelt generell nicht die Meinung des Webseiten-Betreibers wieder. Mittels der Veröffentlichung will dieser lediglich ein pluralistisches Meinungsbild darstellen. Direkte oder indirekte Aussagen in einem Beitrag stellen keinerlei Aufforderung zum Kauf-/Verkauf von Wertpapieren dar. Wir wehren uns gegen jede Form von Hass, Diskriminierung und Verletzung der Menschenwürde. Beachten Sie bitte auch unsere AGB/Disclaimer!

Die Reproduktion, Modifikation oder Verwendung der Inhalte ganz oder teilweise ohne schriftliche Genehmigung ist untersagt!
Alle Angaben ohne Gewähr! Copyright © by GoldSeiten.de 1999-2026. Es gelten unsere AGB und Datenschutzrichtlinen.