



## ASX ANNOUNCEMENT

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29 September 2014

## Significant Bulk Sample Testwork Results from Target 5 and 6 of the McIntosh Graphite Project Achieves a High Grade Concentrate with a High Recovery

### HIGHLIGHTS:

- **Wuhan University of Technology in China have completed open circuit testwork on Target 5 and Target 6 bulk samples and locked cycle testwork on Target 6 which achieved a 90.5% fixed carbon concentrate with a high recovery rate of 92.5%.**
- **Testwork on a bulk sample concentrate has commenced with Monash University in Australia to determine the feasibility of making converted graphene.**

"The recent results from the Wuhan University of Technology testwork is a significant result for Lamboo Resources, it confirms that Target 5 and Target 6 can achieve a high grade flake graphite concentrate along with a very high recovery" said Mr. Richard Trevillion, Managing Director and CEO of Lamboo Resources.

## CONTRACT WITH WUHAN UNIVERSITY OF TECHNOLOGY IN CHINA

Lambooo Resources has signed a contract with the Wuhan University of Technology and testwork has progressed on the 150 kilogram bulk sample aimed at developing a suitable ore dressing flow sheet and plant design for a 150,000 tonne per annum graphite concentrate production.

The Wuhan University of Technology (WHUT) possesses 27 innovative research centres with international leading laboratories; these include two key state laboratories, a state engineering laboratory and provincial level laboratories working in the areas of new materials, new energy, transportation and logistics, mechatronics, information technology as well as resources and environmental technology. Wuhan is one of the world's leading flake graphite centres.

### WHOLE OPEN CIRCUIT TESTWORK FOR TARGET 5 AND TARGET 6 (150kg) BULK SAMPLE

Testwork on the whole open circuit for Target 5 and 6 bulk samples were carried out after the optimum conditions for the rougher was determined. The test results for Target 5 and 6 are presented in Table 1 and 2 and the flow-sheets of the whole open circuits are shown in Figure 1 and 2.

| Product | Yield% | FC%   | Recovery% |
|---------|--------|-------|-----------|
| C-Conc. | 1.32   | 90.84 | 29.35     |
| C-Mid5. | 0.31   | 90.37 | 6.85      |
| C-Mid4. | 0.83   | 56.36 | 11.49     |
| C-Mid3. | 0.78   | 32.79 | 6.21      |
| C-Mid2. | 2.22   | 13.44 | 7.28      |
| C-Mid1. | 7.81   | 3.09  | 5.90      |
| C-Tail. | 86.73  | 1.55  | 32.93     |
| Head    | 100.00 | 3.59  | 100.00    |

Table 1: Target 5 testwork results for test on whole open circuit

| Product | Yield% | FC%   | Recovery% |
|---------|--------|-------|-----------|
| C-Conc. | 9.00   | 94.65 | 69.77     |
| C-Mid6. | 0.57   | 88.94 | 4.13      |
| C-Mid5. | 1.10   | 63.04 | 5.67      |
| C-Mid4. | 1.52   | 55.07 | 6.84      |
| C-Mid3. | 1.60   | 31.18 | 4.10      |
| C-Mid2. | 3.72   | 12.12 | 3.69      |
| C-Mid1. | 5.86   | 1.63  | 0.78      |
| C-Tail. | 76.64  | 0.80  | 5.02      |
| Head    | 100.00 | 12.21 | 100.00    |

Table 2: Target 6 testwork results for test on whole open circuit

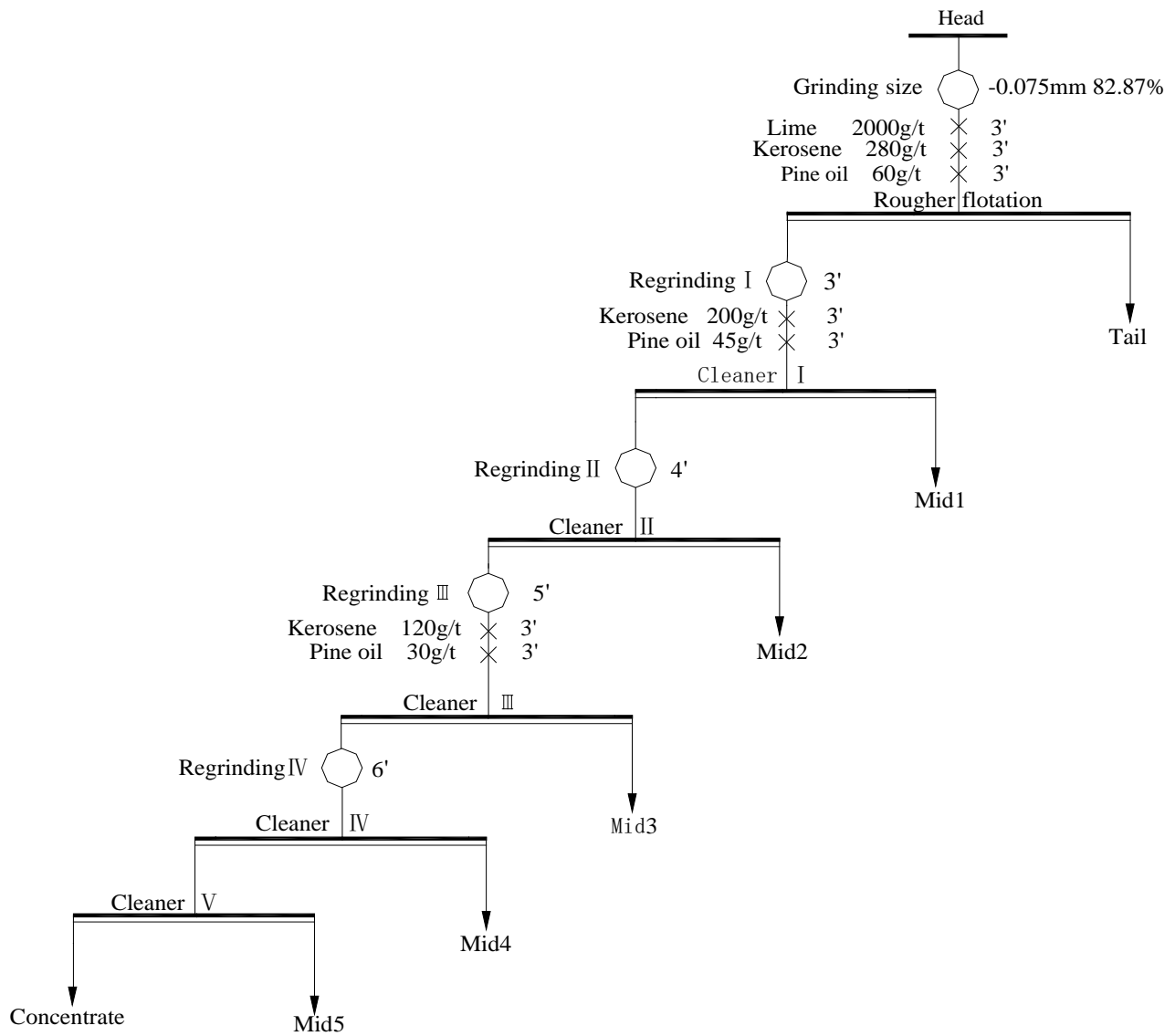


Figure 1: Flow-sheet for Target 5 whole open circuit

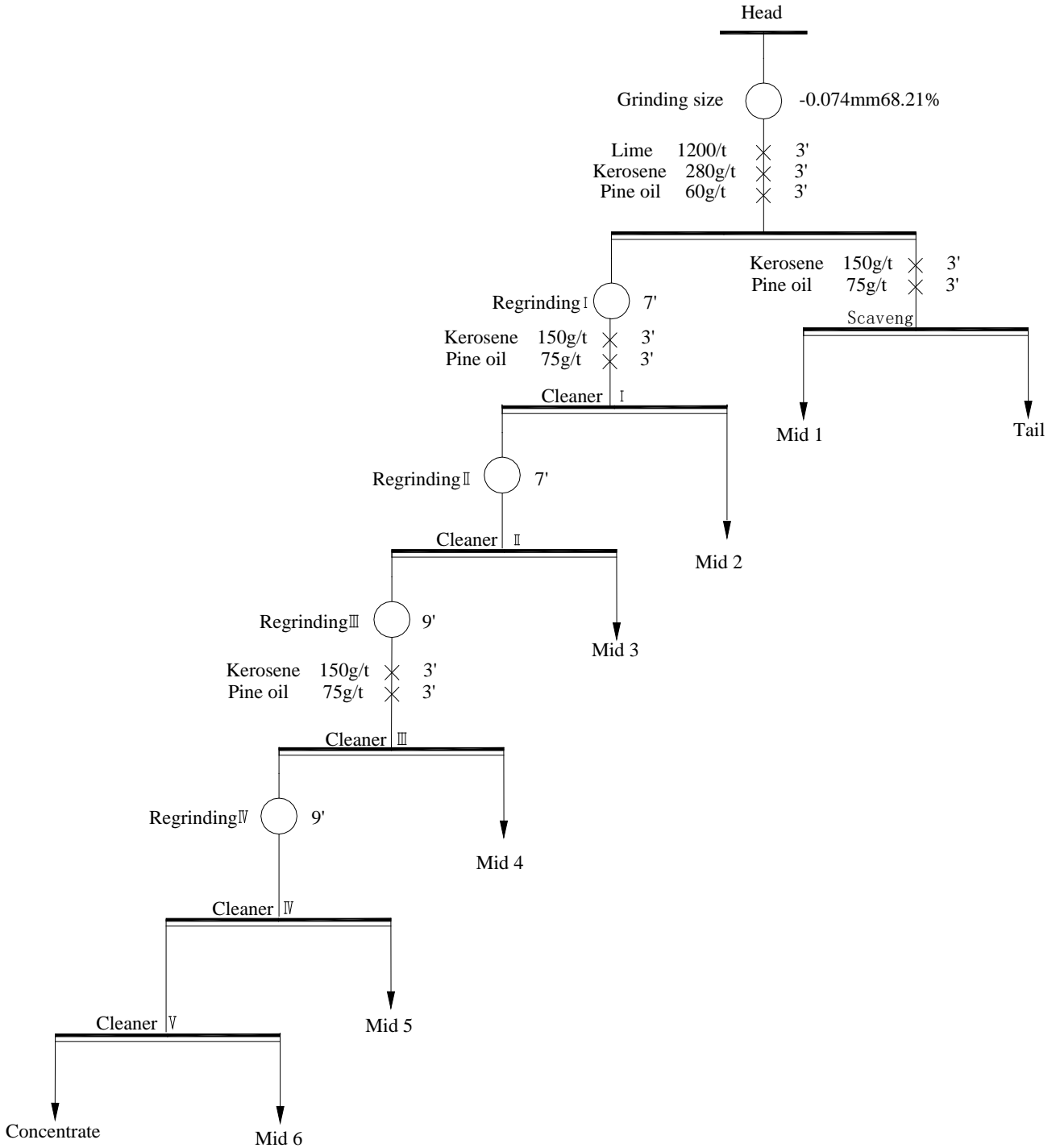


Figure 2: Flow-sheet for Target 6 whole open circuit

**LOCKED CYCLE CIRCUIT TESTWORK FOR TARGET 6 BULK SAMPLE**

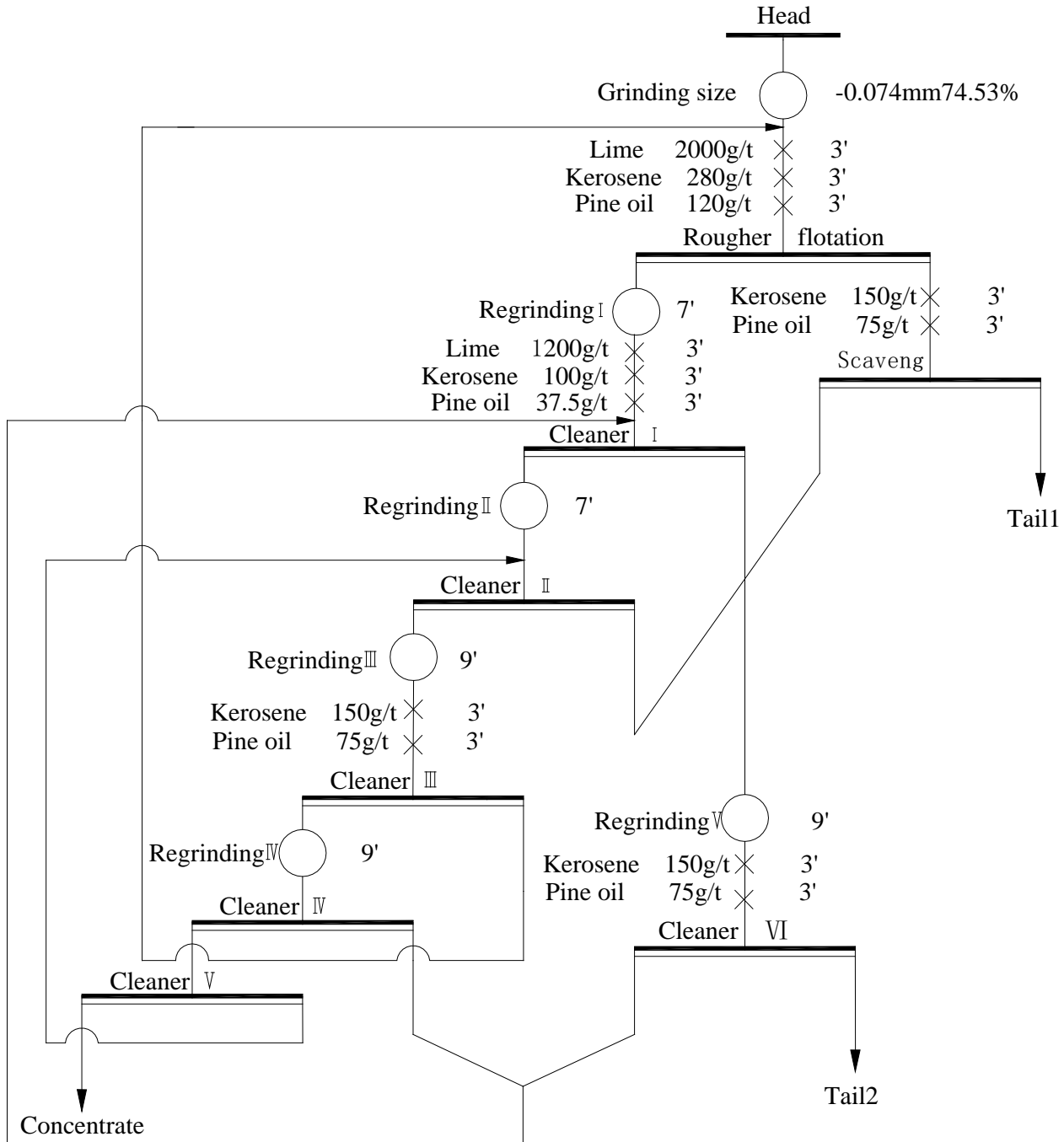


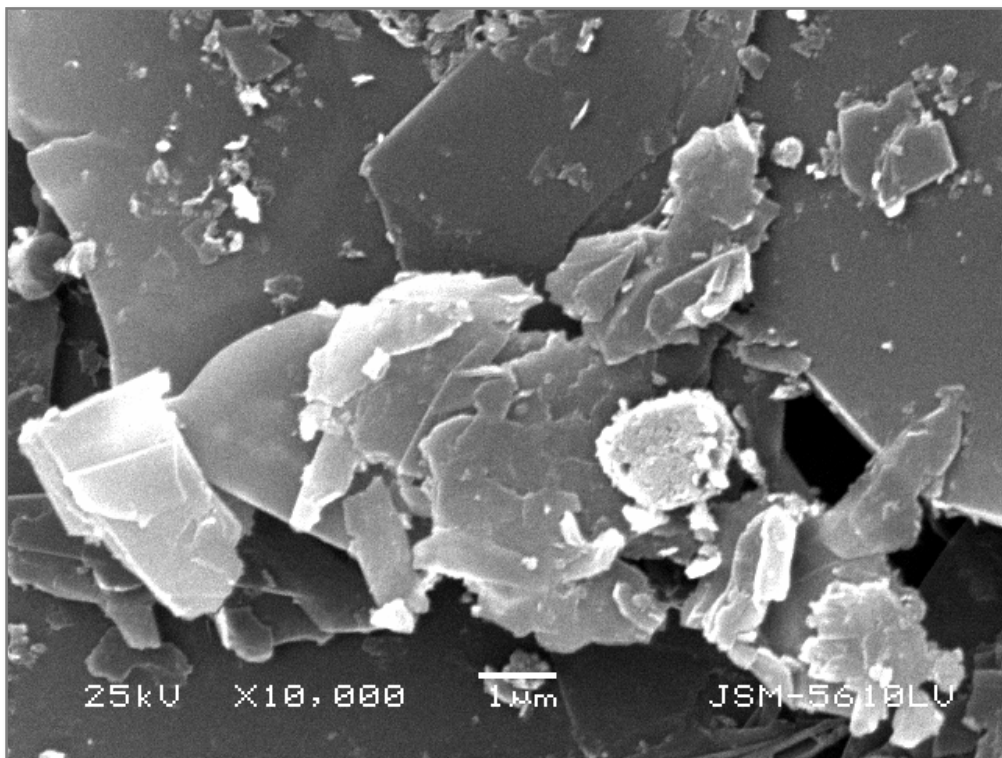
Figure 3: Flow-sheet for Target 6 locked cycle circuit

| Product  | Yield% | FC%   | Recovery% |
|----------|--------|-------|-----------|
| C-Conc.  | 11.52  | 90.50 | 92.46     |
| C-Tail1. | 59.31  | 0.51  | 2.68      |
| C-Tail2. | 29.17  | 1.88  | 4.86      |
| Head     | 100.00 | 11.28 | 100.00    |

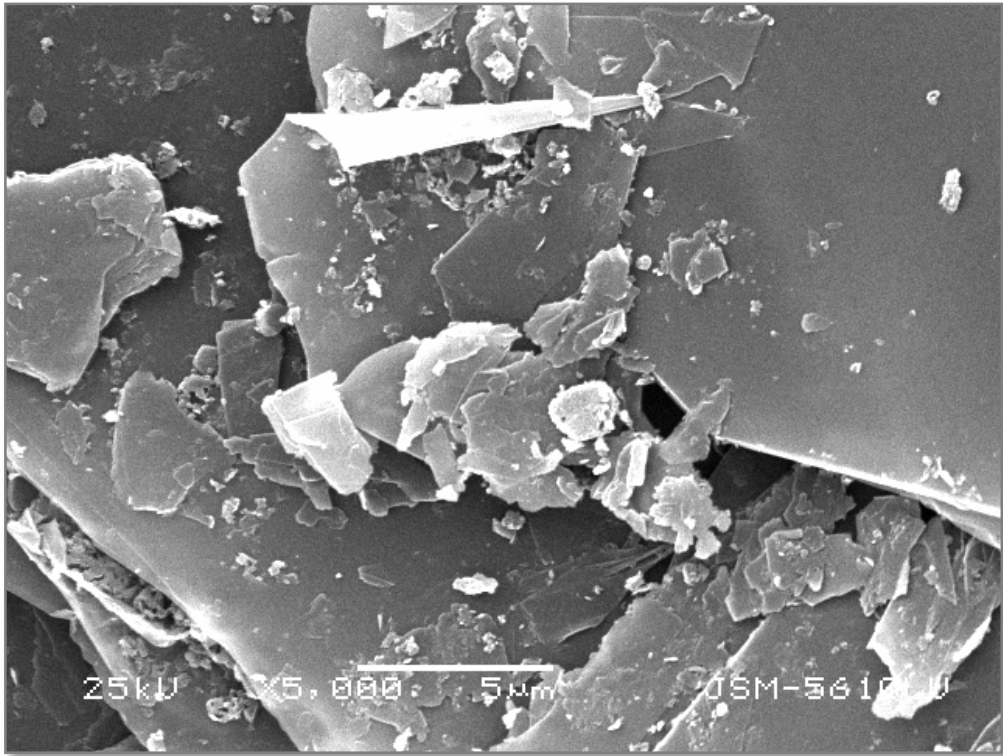
**Table 3: Target 6 testwork results for locked cycle circuit**

The Target 6 whole open circuit results indicate that through four-times-regrinding and five-times-cleaning, the fixed carbon concentrate was upgraded from 12.21% to 94.65% with a recovery rate of 69.77%. Results of the locked circuit testwork (Figure 3; Table 3) conducted only on the Target 6 bulk sample, achieved a 90.5% fixed carbon concentrate combined with a 92.5% recovery.

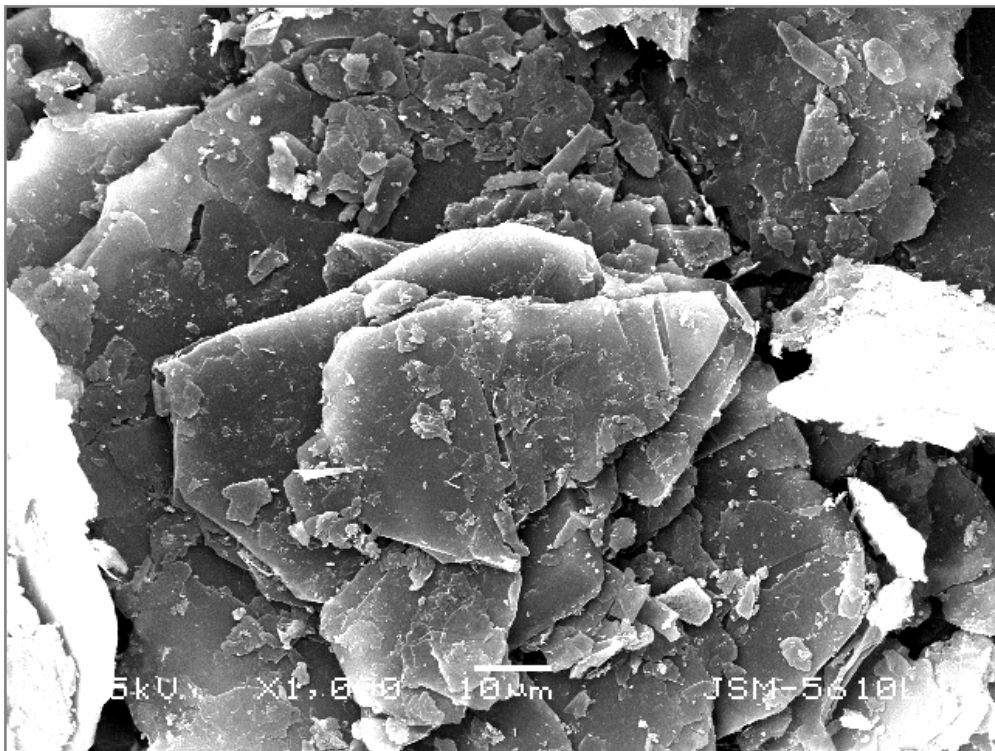
Images from a Scanning Electron Microscope of the Target 6 concentrate are shown below:



**Photograph 1: SEM image of the Target 6 concentrate**



Photograph 2: SEM image of the Target 6 concentrate



Photograph 3: SEM image of the Target 6 concentrate



## CONSULTANCY AGREEMENT WITH MONASH UNIVERSITY

Lambooo Resources has entered into a strategic collaboration with Monash University with the aim to develop highly value-added advanced material from graphite, and to examine the feasibility of using Lambooo's coarsely refined graphite to make converted graphene.

The testwork will include the use of Scanning Electron Microscopy (SEM) to examine the particle size of the graphite concentrate, X-Ray Diffraction (XRD) analysis will also be used to analyse the interlayer distance of graphene sheets. SEM and XRD will be used to examine the structure of the graphite oxide.

The graphite oxide will then be exfoliated in water to obtain stable graphene oxide dispersion. Zeta potential measurements, showing the charge density, along with the particle size will be analysed using the light scattering experiment. SEM imaging will be performed to obtain the size distribution of graphene oxide on silicon substrates. Graphene oxide paper will be prepared and SEM, XRD and EDX (energy dispersive X-ray spectroscopy) analysis will be performed to reveal the structural information on the paper.

Richard Trevillion, Managing Director and CEO of Lambooo Resources commented "This is an exciting development for Lambooo Resources, the feasibility study will provide the Company detailed information as to the potential for McIntosh graphite to be chemically converted into graphene".

"Graphene is the world's strongest material, it is thinner than a sheet of paper and its more conductive than copper. Graphene can be used in batteries that charge 10 times quicker, and have 10 times more power than conventional batteries. It can also be used in phone and computer displays that bend and fold, and it also makes solar energy more efficient, and semi-conductors faster. The possibilities are endless" Mr Trevillion said.

### **Competent Persons Statement**

*Information in this report relating to exploration results and geological data at the McIntosh Project is based on information previously compiled and / or reviewed by Mr. Tony Cormack, Member of the Australasian Institute of Mining and Metallurgy and a full-time employee of Lambooo Resources Limited. Mr. Cormack has sufficient experience which is relevant to the activity previously undertaken to qualify as a "Competent Person", as defined in the 2012 edition of the Australasian Code of Reporting of Exploration Results and consents to the inclusion in this report of the matters reviewed by him in the form and context in which they appear.*