



Australian Laboratory Services Pty. Ltd.

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No: 825, Corporate Site No: 23001.

## CERTIFICATE AD17177163

Project: Kirkimbie Diamond Project

This report is for 15 Soil samples submitted to our lab in Adelaide, SA, Australia on  
21-AUG-2017.

The following have access to data associated with this certificate:

RUSS KNIGHT

TONY MARTIN

To: **DAYLIGHT JACK MINERALS**  
**ATTN: TONY MARTIN**  
**BOX 145**  
**RUSHWORTH VIC 3612**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*

Comments: Samples for Ionic Leach were incorrectly pulverized. A total volume of 100mL of leach solution was added to produce a viable leach solution for ICP-MS. Both factors should be taken into account when assessing these assays.

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Plus Appendix Pages

Finalized Date: 15-SEP-2017

This copy reported on 26-SEP-2017

Account: DAYJAC

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION                    |
|----------|--------------------------------|
| WEI-21   | Received Sample Weight         |
| LEV-01   | Waste Disposal Levy            |
| PUL-31   | Pulverize split to 85% <75 um  |
| LOG-22   | Sample login - Rcd w/o BarCode |
| PUL-QC   | Pulverizing QC Test            |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION                  | INSTRUMENT |
|----------|------------------------------|------------|
| ME-MS23  | IONIC Leach - Complete PKG.  | ICP-MS     |
| pH-MS23  | MS23 Leach pH                |            |
| ME-ICP61 | 33 element four acid ICP-AES | ICP-AES    |

Signature:

Cameron Brosnan, Laboratory Manager, Perth





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**CERTIFICATE OF ANALYSIS AD17177163**

| Sample Description                                  | Method<br>Analyte<br>Units<br>LOR | ME-ICP61<br>K<br>%                   | ME-ICP61<br>La<br>ppm      | ME-ICP61<br>Mg<br>%                  | ME-ICP61<br>Mn<br>ppm           | ME-ICP61<br>Mo<br>ppm   | ME-ICP61<br>Na<br>%                  | ME-ICP61<br>Ni<br>ppm      | ME-ICP61<br>P<br>ppm            | ME-ICP61<br>Pb<br>ppm      | ME-ICP61<br>S<br>%                   | ME-ICP61<br>Sb<br>ppm     | ME-ICP61<br>Sc<br>ppm      | ME-ICP61<br>Sr<br>ppm      | ME-ICP61<br>Th<br>ppm         | ME-ICP61<br>Ti<br>%                  |
|-----------------------------------------------------|-----------------------------------|--------------------------------------|----------------------------|--------------------------------------|---------------------------------|-------------------------|--------------------------------------|----------------------------|---------------------------------|----------------------------|--------------------------------------|---------------------------|----------------------------|----------------------------|-------------------------------|--------------------------------------|
| Mag1S1<br>Mag1S2<br>Mag1S3<br>Mag1S4<br>Mag1S5      |                                   | 0.01                                 | 10                         | 0.01                                 | 5                               | 1                       | 0.01                                 | 1                          | 10                              | 2                          | 0.01                                 | 5                         | 1                          | 1                          | 20                            | 0.01                                 |
| Mag1S6<br>Mag1S7<br>Mag1S8<br>Mag1S9<br>Mag1S10     |                                   |                                      |                            |                                      |                                 |                         |                                      |                            |                                 |                            |                                      |                           |                            |                            |                               |                                      |
| Mag1S11<br>Mag1S12<br>Mag1S13<br>Mag1S14<br>Mag1S15 |                                   | 0.45<br>0.51<br>0.29<br>0.27<br>0.30 | 20<br>20<br>10<br>10<br>20 | 0.18<br>0.22<br>0.07<br>0.08<br>0.08 | 405<br>637<br>515<br>548<br>467 | 1<br><1<br><1<br>2<br>1 | 0.02<br>0.02<br>0.01<br>0.01<br>0.01 | 25<br>33<br>26<br>33<br>37 | 400<br>350<br>280<br>280<br>240 | 22<br>23<br>31<br>29<br>29 | 0.01<br>0.01<br>0.01<br>0.01<br>0.01 | <5<br><5<br><5<br><5<br>5 | 21<br>23<br>23<br>24<br>25 | 33<br>42<br>19<br>20<br>21 | 20<br><20<br>20<br><20<br><20 | 0.51<br>0.58<br>0.51<br>0.52<br>0.56 |
|                                                     |                                   |                                      |                            |                                      |                                 |                         |                                      |                            |                                 |                            |                                      |                           |                            |                            |                               |                                      |

Comments: Samples for Ionic Leach were incorrectly pulverized. A total volume of 100mL of leach solution was added to produce a viable leach solution for ICP-MS. Both factors should be taken into account when assessing these assays.

\*\*\*\*\* See Appendix Page for comments regarding this certificate \*\*\*\*\*





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## CERTIFICATE OF ANALYSIS AD17177163

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                    |                                   | Co      | Cr      | Cs      | Cu      | Dy      | Er      | Eu      | Fe      | Ga      | Gd      | Ge      | Hf      | Hg      | Ho      |
|                    |                                   | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppm     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
|                    |                                   | 0.3     | 1       | 0.1     | 1       | 0.1     | 0.1     | 0.1     | 0.1     | 0.5     | 0.1     | 0.1     | 0.5     | 0.1     | 0.1     |
| Mag1S1             |                                   | 765     | 27      | 11.7    | 318     | 52.3    | 33.3    | 11.2    | 1.4     | 1.6     | 51.3    | 0.5     | <0.5    | 0.7     | 12.2    |
| Mag1S2             |                                   | 1180    | 26      | 14.1    | 535     | 60.4    | 41.4    | 12.6    | 1.4     | 2.3     | 62.2    | 0.9     | <0.5    | <0.1    | 14.9    |
| Mag1S3             |                                   | 579     | 25      | 15.2    | 383     | 48.6    | 30.1    | 11.2    | 2.0     | 1.7     | 55.9    | 0.5     | <0.5    | 0.5     | 11.2    |
| Mag1S4             |                                   | 2400    | 52      | 9.5     | 561     | 62.1    | 44.8    | 13.6    | 2.4     | 5.2     | 63.3    | 0.8     | <0.5    | 0.4     | 15.1    |
| Mag1S5             |                                   | 1500    | 36      | 14.0    | 415     | 90.4    | 58.1    | 24.0    | 2.3     | 4.3     | 108.5   | 1.3     | <0.5    | 0.4     | 21.5    |
| Mag1S6             |                                   | 1445    | 42      | 19.6    | 532     | 80.4    | 51.1    | 20.0    | 3.9     | 4.2     | 92.1    | 1.2     | <0.5    | 0.2     | 17.6    |
| Mag1S7             |                                   | 893     | 19      | 14.1    | 525     | 100.0   | 51.3    | 28.8    | 1.7     | 4.2     | 123.5   | 1.3     | <0.5    | 0.2     | 20.8    |
| Mag1S8             |                                   | 1235    | 30      | 18.6    | 603     | 68.9    | 36.9    | 19.3    | 2.4     | 3.6     | 85.0    | 1.0     | <0.5    | 0.1     | 15.5    |
| Mag1S9             |                                   | 1485    | 32      | 17.8    | 532     | 95.3    | 55.8    | 26.8    | 2.1     | 3.9     | 121.0   | 1.3     | <0.5    | 0.3     | 21.1    |
| Mag1S10            |                                   | 1650    | 32      | 13.9    | 511     | 69.4    | 38.0    | 18.6    | 2.5     | 3.2     | 80.9    | 0.9     | <0.5    | 0.2     | 15.0    |
| Mag1S11            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S12            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S13            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S14            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S15            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

Comments: Samples for Ionic Leach were incorrectly pulverized. A total volume of 100mL of leach solution was added to produce a viable leach solution for ICP-MS. Both factors should be taken into account when assessing these assays.

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**CERTIFICATE OF ANALYSIS AD17177163**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                    |                                   | In      | La      | Li      | Lu      | Mg      | Mn      | Mo      | Nb      | Nd      | Ni      | Pb      | Pd      | Pr      | Pt      |
|                    |                                   | ppb     | ppb     | ppb     | ppb     | ppm     | ppm     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
|                    |                                   | 0.1     | 0.1     | 0.2     | 0.1     | 0.01    | 0.01    | 0.5     | 0.1     | 0.1     | 1       | 0.1     | 0.1     | 0.1     | 0.1     |
| Mag1S1             |                                   | <0.1    | 68.0    | 4.8     | 3.6     | 223     | 7.93    | 4.0     | <0.1    | 116.5   | 488     | 32.4    | 0.1     | 18.5    | <0.1    |
| Mag1S2             |                                   | <0.1    | 71.3    | 3.9     | 5.0     | 193.5   | 14.05   | 6.4     | <0.1    | 126.5   | 601     | 56.0    | 0.7     | 19.4    | <0.1    |
| Mag1S3             |                                   | <0.1    | 61.1    | 4.1     | 3.3     | 192.5   | 6.92    | 5.1     | <0.1    | 130.5   | 433     | 14.4    | 0.2     | 19.3    | <0.1    |
| Mag1S4             |                                   | 0.1     | 119.0   | 3.3     | 5.8     | 266     | 36.2    | 6.7     | 0.1     | 198.0   | 921     | 31.7    | 0.3     | 34.8    | <0.1    |
| Mag1S5             |                                   | <0.1    | 135.5   | 3.1     | 6.5     | 233     | 15.15   | 4.5     | <0.1    | 267     | 600     | 33.7    | 0.5     | 45.7    | <0.1    |
| Mag1S6             |                                   | <0.1    | 159.5   | 3.3     | 5.6     | 247     | 18.00   | 7.1     | <0.1    | 292     | 593     | 32.5    | 0.2     | 51.5    | <0.1    |
| Mag1S7             |                                   | <0.1    | 118.5   | 2.2     | 5.9     | 244     | 6.43    | 6.7     | <0.1    | 288     | 427     | 21.1    | 0.1     | 49.3    | <0.1    |
| Mag1S8             |                                   | <0.1    | 107.0   | 1.8     | 4.1     | 175.5   | 10.70   | 5.5     | <0.1    | 234     | 481     | 12.2    | 0.3     | 39.4    | <0.1    |
| Mag1S9             |                                   | <0.1    | 116.0   | 2.4     | 5.1     | 217     | 10.75   | 7.1     | <0.1    | 284     | 499     | 31.3    | 0.2     | 45.5    | <0.1    |
| Mag1S10            |                                   | <0.1    | 89.9    | 2.2     | 4.3     | 220     | 15.85   | 7.3     | <0.1    | 209     | 531     | 22.6    | 0.6     | 34.7    | <0.1    |
| Mag1S11            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S12            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S13            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S14            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S15            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

Comments: Samples for Ionic Leach were incorrectly pulverized. A total volume of 100mL of leach solution was added to produce a viable leach solution for ICP-MS. Both factors should be taken into account when assessing these assays.

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**CERTIFICATE OF ANALYSIS AD17177163**

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 | ME-MS23 |
|--------------------|-----------------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|
|                    |                                   | Re      | Sb      | Sc      | Se      | Sm      | Sn      | Sr      | Ta      | Tb      | Te      | Th      | Ti      | Tl      | Tm      |
|                    |                                   | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     | ppb     |
|                    |                                   | 0.1     | 0.5     | 1       | 2       | 0.1     | 0.2     | 1       | 1       | 0.1     | 1       | 0.02    | 5       | 0.5     | 0.1     |
| Mag1S1             |                                   | <0.1    | <0.5    | 4       | 4       | 42.6    | 0.2     | 6570    | <1      | 7.8     | <1      | 0.65    | 23      | 2.8     | 4.4     |
| Mag1S2             |                                   | <0.1    | <0.5    | 4       | 9       | 46.8    | 0.7     | 8780    | <1      | 9.6     | <1      | 0.64    | 17      | 2.7     | 5.4     |
| Mag1S3             |                                   | <0.1    | <0.5    | 3       | 8       | 44.8    | 0.5     | 7200    | <1      | 8.3     | <1      | 0.73    | 16      | 3.2     | 4.0     |
| Mag1S4             |                                   | <0.1    | <0.5    | 5       | <2      | 57.5    | <0.2    | 8140    | <1      | 9.5     | <1      | 4.95    | 25      | 2.4     | 6.5     |
| Mag1S5             |                                   | <0.1    | <0.5    | 4       | 10      | 86.5    | <0.2    | 7420    | <1      | 15.3    | <1      | 3.13    | 18      | 2.6     | 7.3     |
| Mag1S6             |                                   | <0.1    | <0.5    | 5       | <2      | 88.7    | <0.2    | 6210    | <1      | 12.8    | <1      | 3.90    | 18      | 2.7     | 7.2     |
| Mag1S7             |                                   | <0.1    | <0.5    | 4       | <2      | 109.0   | <0.2    | 6690    | <1      | 17.0    | <1      | 2.36    | 20      | 2.6     | 6.9     |
| Mag1S8             |                                   | <0.1    | <0.5    | 4       | 12      | 78.4    | 0.5     | 6190    | <1      | 12.1    | <1      | 2.68    | 11      | 2.7     | 5.2     |
| Mag1S9             |                                   | <0.1    | <0.5    | 4       | 4       | 100.0   | 0.3     | 8150    | <1      | 17.3    | <1      | 1.81    | 18      | 3.1     | 6.8     |
| Mag1S10            |                                   | <0.1    | <0.5    | 5       | 10      | 75.6    | 1.0     | 7210    | <1      | 12.1    | <1      | 1.46    | 27      | 2.3     | 5.4     |
| Mag1S11            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S12            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S13            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S14            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |
| Mag1S15            |                                   |         |         |         |         |         |         |         |         |         |         |         |         |         |         |

Comments: Samples for Ionic Leach were incorrectly pulverized. A total volume of 100mL of leach solution was added to produce a viable leach solution for ICP-MS. Both factors should be taken into account when assessing these assays.

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|                                |                   |
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| <b>CERTIFICATE OF ANALYSIS</b> | <b>AD17177163</b> |
|--------------------------------|-------------------|

|                    | <b>CERTIFICATE COMMENTS</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |          |         |         |        |        |        |        |        |  |  |  |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------|---------|--------|--------|--------|--------|--------|--|--|--|
| Applies to Method: | <p align="center"><b>ACCREDITATION COMMENTS</b></p> <p>NATA Accredited. Corporate Accreditation No: 825, Corporate Site No: 23001. The Technical Signatory is Wendy Wong, Senior QC Chemist.<br/>ME-ICP61</p> <p align="center"><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Perth located at 31 Denninup Way, Malaga, Australia. NATA Accreditation does not cover the performance of ALS Perth Sample Preparation which is processed at 79 Distinction Road, Wangara, WA, Australia</p> <table><tr><td>ME-ICP61</td><td>ME-MS23</td><td>pH-MS23</td></tr></table> <p>Processed at ALS Adelaide located at Unit 1, 1 Burma Road, Pooraka, Adelaide, SA, Australia.</p> <table><tr><td>LEV-01</td><td>LOG-22</td><td>PUL-31</td><td>PUL-QC</td></tr><tr><td>WEI-21</td><td></td><td></td><td></td></tr></table> | ME-ICP61 | ME-MS23 | pH-MS23 | LEV-01 | LOG-22 | PUL-31 | PUL-QC | WEI-21 |  |  |  |
| ME-ICP61           | ME-MS23                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | pH-MS23  |         |         |        |        |        |        |        |  |  |  |
| LEV-01             | LOG-22                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | PUL-31   | PUL-QC  |         |        |        |        |        |        |  |  |  |
| WEI-21             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |          |         |         |        |        |        |        |        |  |  |  |