ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **OSISKO HAMMOND REEF GOLD LTD.**
**1100, DE LA GAUCHETIÈRE OUEST, BUREAU 300**
**C.P. 211**
**MONTRÉAL QC H3B 2S2**


**Finalized Date: 7-AUG-2012**
**Account: OSIHRG**

# CERTIFICATE TB12160108

Project: HAMMOND REEF-EXPLORATION

P.O. No.:

This report is for 9 Rock samples submitted to our lab in Thunder Bay, ON, Canada on 10-JUL-2012.

The following have access to data associated with this certificate:

| | | |
|---|---|---|
| SERGIO CATTALANI | ANNE CHARLAND | MIKE FELL |
| ZORAN MADON | ASSAYS REPOSITORY | ADAM RICHARDSON |
| ANDREW STOKES | BOB WARES | |

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |
| LOG-22 | Sample login - Rcd w/o BarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-31 | Pulverize split to 85% <75 um |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | INSTRUMENT |
|---|---|---|
| Au-GRA21 | Au 30g FA-GRAV finish | WST-SIM |
| ME-MS61 | 48 element four acid ICP-MS | |
| Au-ICP21 | Au 30g FA ICP-AES Finish | ICP-AES |

To: **OSISKO HAMMOND REEF GOLD LTD.**
**ATTN: ANDREW STOKES**
**101 GOODWIN STREET**
**BOX 2020**
**ATIKOKAN ON P0T 1C0**

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 *****

**Signature:**

Colin Ramshaw, Vancouver Laboratory Manager

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| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-ICP21 Au ppm 0.001 | Au-GRA21 Au ppm 0.05 | ME-MS61 Ag ppm 0.01 | ME-MS61 Al % 0.01 | ME-MS61 As ppm 0.2 | ME-MS61 Ba ppm 10 | ME-MS61 Be ppm 0.05 | ME-MS61 Bi ppm 0.01 | ME-MS61 Ca % 0.01 | ME-MS61 Cd ppm 0.02 | ME-MS61 Ce ppm 0.01 | ME-MS61 Co ppm 0.1 | ME-MS61 Cr ppm 1 | ME-MS61 Cs ppm 0.05 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I084828 | | 0.54 | 6.51 | | 0.50 | 4.41 | 220 | 360 | 1.24 | 0.21 | 4.41 | 0.21 | 28.8 | 19.9 | 15 | 0.60 |
| I084829 | | 0.94 | 0.878 | | 0.13 | 5.91 | 30.1 | 80 | 0.59 | 0.03 | 4.92 | 0.18 | 32.9 | 21.7 | 13 | 0.37 |
| I084830 | | 0.90 | >10.0 | 75.9 | 3.31 | 3.01 | 251 | 20 | 0.30 | 0.28 | 6.29 | 0.17 | 22.9 | 11.8 | 25 | 0.15 |
| I084831 | | 1.00 | >10.0 | 14.60 | 1.51 | 4.94 | 453 | 10 | 0.32 | 0.22 | 7.76 | 0.09 | 26.0 | 15.6 | 20 | 0.13 |
| I084832 | | 1.30 | 1.325 | | 0.14 | 2.73 | 19.7 | 70 | 0.32 | 0.05 | 5.51 | 0.10 | 9.07 | 22.9 | 40 | 0.42 |
| I084833 | | 0.17 | 0.446 | | 1.13 | 6.37 | 5.5 | 550 | 0.64 | 0.10 | 2.33 | 0.41 | 20.9 | 14.2 | 47 | 0.80 |
| I084834 | | 1.36 | 0.033 | | 0.01 | 7.47 | 19.6 | 70 | 0.42 | 0.02 | 2.37 | 0.06 | 25.5 | 10.1 | 9 | 0.05 |
| I084835 | | 0.94 | 1.760 | | 0.14 | 3.27 | 29.0 | 50 | 0.26 | 0.05 | 2.86 | 0.10 | 7.80 | 19.1 | 36 | 0.07 |
| I084836 | | 0.71 | 0.042 | | 0.29 | 3.99 | 1.4 | 60 | 0.30 | 0.16 | 5.28 | 0.10 | 9.56 | 30.3 | 83 | 0.42 |

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| Sample Description | Method / Analyte / Units / LOR | ME-MS61 Cu ppm 0.2 | ME-MS61 Fe % 0.01 | ME-MS61 Ga ppm 0.05 | ME-MS61 Ge ppm 0.05 | ME-MS61 Hf ppm 0.1 | ME-MS61 In ppm 0.005 | ME-MS61 K % 0.01 | ME-MS61 La ppm 0.5 | ME-MS61 Li ppm 0.2 | ME-MS61 Mg % 0.01 | ME-MS61 Mn ppm 5 | ME-MS61 Mo ppm 0.05 | ME-MS61 Na % 0.01 | ME-MS61 Nb ppm 0.1 | ME-MS61 Ni ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I084828 | | 26.7 | 11.20 | 14.55 | 0.21 | 3.1 | 0.133 | 1.20 | 11.2 | 5.7 | 1.08 | 4410 | 1.07 | 0.66 | 3.3 | 10.1 |
| I084829 | | 34.3 | 11.80 | 24.2 | 0.22 | 2.6 | 0.139 | 0.51 | 12.6 | 8.3 | 0.86 | 2210 | 0.77 | 2.15 | 3.2 | 9.1 |
| I084830 | | 311 | 12.65 | 12.25 | 0.20 | 1.9 | 0.049 | 0.22 | 10.5 | 22.0 | 1.49 | 4570 | 2.96 | 0.10 | 1.8 | 25.1 |
| I084831 | | 162.5 | 19.65 | 17.00 | 0.27 | 2.3 | 0.029 | 0.14 | 12.2 | 41.3 | 1.83 | 5620 | 0.97 | 0.11 | 2.2 | 26.3 |
| I084832 | | 53.9 | 6.28 | 9.12 | 0.10 | 0.8 | 0.043 | 0.28 | 3.4 | 6.0 | 1.73 | 1240 | 0.45 | 0.77 | 1.3 | 22.3 |
| I084833 | | 5240 | 4.11 | 13.05 | 0.10 | 1.4 | 0.078 | 0.89 | 9.9 | 15.0 | 1.06 | 664 | 352 | 2.10 | 4.2 | 29.0 |
| I084834 | | 4.5 | 2.49 | 9.03 | 0.10 | 2.7 | 0.018 | 0.20 | 11.0 | 0.7 | 0.50 | 555 | 2.22 | 5.91 | 1.4 | 10.9 |
| I084835 | | 23.4 | 5.80 | 6.49 | 0.11 | 1.2 | 0.063 | 0.40 | 3.2 | 1.3 | 0.76 | 1160 | 1.86 | 1.86 | 0.9 | 22.8 |
| I084836 | | 121.5 | 4.51 | 9.55 | 0.10 | 0.5 | 0.086 | 0.39 | 4.4 | 8.7 | 1.48 | 1250 | 5.62 | 0.38 | 1.2 | 70.2 |

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# CERTIFICATE OF ANALYSIS TB12160108

| Sample Description | Method / Analyte / Units / LOR | ME-MS61 P ppm 10 | ME-MS61 Pb ppm 0.5 | ME-MS61 Rb ppm 0.1 | ME-MS61 Re ppm 0.002 | ME-MS61 S % 0.01 | ME-MS61 Sb ppm 0.05 | ME-MS61 Sc ppm 0.1 | ME-MS61 Se ppm 1 | ME-MS61 Sn ppm 0.2 | ME-MS61 Sr ppm 0.2 | ME-MS61 Ta ppm 0.05 | ME-MS61 Te ppm 0.05 | ME-MS61 Th ppm 0.2 | ME-MS61 Ti % 0.005 | ME-MS61 Tl ppm 0.02 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| I084828 | | 1860 | 3.6 | 31.2 | 0.002 | 4.28 | 0.50 | 35.0 | 6 | 0.9 | 128.0 | 0.20 | 1.34 | 0.9 | 0.383 | 0.16 |
| I084829 | | 2630 | 2.5 | 14.1 | <0.002 | 0.76 | 0.60 | 33.6 | 2 | 0.2 | 157.0 | 0.21 | 0.16 | 1.0 | 0.343 | 0.08 |
| I084830 | | 530 | 8.2 | 5.6 | <0.002 | 2.86 | 0.34 | 7.9 | 4 | <0.2 | 115.5 | 0.11 | 0.39 | 1.4 | 0.131 | 0.03 |
| I084831 | | 550 | 8.1 | 3.6 | <0.002 | 3.86 | 0.30 | 7.8 | 4 | <0.2 | 115.5 | 0.14 | 0.52 | 1.7 | 0.142 | 0.02 |
| I084832 | | 380 | 1.7 | 8.6 | <0.002 | 0.56 | 1.04 | 19.5 | 1 | 0.2 | 177.5 | 0.07 | 0.12 | 0.2 | 0.252 | 0.04 |
| I084833 | | 610 | 6.5 | 26.2 | 0.161 | 0.61 | 1.37 | 13.2 | 2 | 1.5 | 296 | 0.26 | 0.08 | 2.3 | 0.310 | 0.21 |
| I084834 | | 1810 | 2.0 | 3.2 | <0.002 | 0.04 | 0.14 | 6.6 | 1 | <0.2 | 197.0 | 0.12 | <0.05 | 2.1 | 0.127 | 0.02 |
| I084835 | | 150 | 1.7 | 9.6 | <0.002 | 0.23 | 0.18 | 19.9 | 1 | <0.2 | 123.5 | 0.05 | 0.10 | 0.4 | 0.133 | 0.04 |
| I084836 | | 80 | 3.7 | 33.6 | 0.003 | 0.61 | 0.06 | 16.5 | 3 | 1.1 | 73.8 | 0.07 | 0.23 | 0.7 | 0.164 | 0.22 |

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| Sample Description | Method / Analyte / Units / LOR | ME-MS61 U ppm 0.1 | ME-MS61 V ppm 1 | ME-MS61 W ppm 0.1 | ME-MS61 Y ppm 0.1 | ME-MS61 Zn ppm 2 | ME-MS61 Zr ppm 0.5 |
|---|---|---|---|---|---|---|---|
| I084828 | | 0.2 | 86 | 33.4 | 9.9 | 88 | 114.5 |
| I084829 | | 0.2 | 65 | 26.6 | 14.9 | 141 | 97.8 |
| I084830 | | 0.3 | 95 | 8.7 | 5.7 | 79 | 83.4 |
| I084831 | | 0.4 | 80 | 8.1 | 6.8 | 112 | 97.2 |
| I084832 | | 0.1 | 122 | 15.4 | 4.0 | 73 | 28.8 |
| I084833 | | 0.8 | 104 | 23.8 | 15.2 | 58 | 46.3 |
| I084834 | | 0.5 | 22 | 7.5 | 6.7 | 22 | 104.5 |
| I084835 | | 0.1 | 73 | 13.6 | 3.7 | 44 | 45.5 |
| I084836 | | 0.3 | 91 | 0.7 | 9.4 | 162 | 15.7 |

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| Method | CERTIFICATE COMMENTS |
|---|---|
| ME-MS61 | REE's may not be totally soluble in this method. |