ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

# CERTIFICATE TB12042306

Project: TPK-ROWLANDSON

P.O. No.:

This report is for 179 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 28-FEB-2012.

The following have access to data associated with this certificate:

| RACHEL GHENT | DARRELL HYDE | KERRY SPARKES |
|---|---|---|

## SAMPLE PREPARATION

| ALS CODE | DESCRIPTION |
|---|---|
| WEI-21 | Received Sample Weight |
| LOG-23 | Pulp Login - Rcvd with Barcode |
| LOG-22 | Sample login - Rcd w/o BarCode |
| CRU-31 | Fine crushing - 70% <2mm |
| SPL-21 | Split sample - riffle splitter |
| PUL-32 | Pulverize 1000g to 85% < 75 um |
| CRU-QC | Crushing QC Test |
| PUL-QC | Pulverizing QC Test |

## ANALYTICAL PROCEDURES

| ALS CODE | DESCRIPTION | |
|---|---|---|
| ME-MS61 | 48 element four acid ICP-MS | |
| Au-AA23 | Au 30g FA-AA finish | AAS |

To: **RAINY RIVER RESOURCES LTD.**
**ATTN: DARRELL HYDE**
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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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# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA23 Au g/t 0.005 | 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 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598000 | | 1.53 | 0.031 | 0.18 | 5.95 | 38.7 | 880 | 1.64 | 0.14 | 0.22 | 0.74 | 131.0 | 2.4 | 10 | 0.39 | 28.8 |
| J598001 | | 1.41 | <0.005 | 0.06 | 6.23 | 7.4 | 960 | 1.96 | 0.06 | 0.38 | 0.05 | 132.0 | 3.0 | 16 | 0.37 | 5.3 |
| J598002 | | 1.15 | <0.005 | 0.06 | 6.31 | 12.5 | 1020 | 2.13 | 0.05 | 0.25 | 0.04 | 129.0 | 3.5 | 11 | 0.48 | 10.3 |
| J598003 | | 1.44 | 0.027 | 0.05 | 5.97 | 11.5 | 960 | 2.08 | 0.06 | 0.28 | 0.02 | 112.5 | 2.5 | 11 | 0.56 | 5.9 |
| J598004 | | 1.59 | 0.042 | 0.08 | 6.09 | 17.9 | 950 | 1.81 | 0.10 | 0.47 | 0.12 | 126.0 | 2.1 | 10 | 0.38 | 8.1 |
| J598005 | | 1.59 | <0.005 | 0.05 | 6.22 | 8.3 | 950 | 1.82 | 0.08 | 0.42 | 0.03 | 128.0 | 1.9 | 10 | 0.49 | 5.1 |
| J598006 | | 1.69 | <0.005 | 0.08 | 6.72 | 10.9 | 1060 | 2.09 | 0.09 | 0.45 | 0.06 | 135.0 | 1.5 | 9 | 0.46 | 12.9 |
| J598007 | | 1.48 | <0.005 | 0.17 | 7.69 | 9.7 | 1110 | 2.42 | 0.20 | 1.64 | 0.16 | 133.5 | 5.8 | 7 | 1.88 | 17.5 |
| J598008 | | 2.09 | 0.011 | 0.19 | 7.15 | 17.2 | 930 | 1.94 | 0.40 | 0.92 | 0.06 | 133.5 | 4.7 | 9 | 0.99 | 47.8 |
| J598009 | | 2.10 | 0.007 | 0.09 | 6.32 | 5.8 | 640 | 1.90 | 0.22 | 0.49 | 0.06 | 123.5 | 1.3 | 9 | 0.30 | 24.3 |
| J598010 | | 1.22 | <0.005 | 0.09 | 6.73 | 11.7 | 750 | 1.86 | 0.12 | 0.49 | 0.05 | 111.0 | 3.1 | 10 | 0.32 | 15.6 |
| J598011 | | 0.92 | 0.120 | 0.64 | 6.27 | 33.9 | 840 | 1.93 | 0.27 | 0.38 | 0.18 | 111.5 | 2.6 | 8 | 0.34 | 40.4 |
| J598012 | | 1.95 | 0.011 | 0.10 | 8.19 | 16.5 | 1680 | 3.43 | 0.09 | 3.01 | 0.08 | 129.0 | 15.9 | 5 | 4.92 | 12.6 |
| J598013 | | 1.62 | <0.005 | 0.09 | 4.95 | 12.1 | 840 | 2.24 | 0.05 | 2.50 | 0.04 | 79.8 | 6.0 | 11 | 2.33 | 27.3 |
| J598014 | | 1.61 | <0.005 | 0.09 | 6.22 | 7.7 | 370 | 1.67 | 0.13 | 1.44 | 0.05 | 149.5 | 3.1 | 12 | 0.72 | 10.0 |
| J598015 | | 1.30 | <0.005 | 0.11 | 6.23 | 9.9 | 490 | 1.70 | 0.06 | 0.96 | 0.06 | 83.2 | 0.9 | 12 | 0.39 | 3.6 |
| J598016 | | 1.40 | 0.005 | 0.04 | 6.02 | 12.9 | 500 | 2.00 | 0.21 | 0.47 | 0.02 | 92.4 | 4.9 | 11 | 0.49 | 19.5 |
| J598017 | | 1.40 | <0.005 | 0.10 | 7.93 | 15.7 | 1250 | 3.58 | 0.08 | 2.66 | 0.03 | 129.5 | 12.2 | 5 | 3.76 | 3.8 |
| J598018 | | 1.76 | <0.005 | 0.04 | 5.94 | 5.8 | 540 | 1.50 | 0.07 | 0.32 | 0.03 | 97.9 | 1.2 | 12 | 0.33 | 7.8 |
| J598019 | | 1.73 | <0.005 | 0.07 | 6.06 | 5.7 | 880 | 1.82 | 0.08 | 0.37 | 0.02 | 120.5 | 1.2 | 11 | 0.43 | 5.8 |
| J598020 | | 1.48 | 0.005 | 0.05 | 5.85 | 5.8 | 900 | 1.53 | 0.08 | 0.32 | 0.02 | 113.5 | 1.4 | 10 | 0.48 | 2.8 |
| J598021 | | 1.71 | <0.005 | 0.11 | 5.71 | 5.1 | 810 | 1.54 | 0.09 | 0.30 | 0.03 | 130.0 | 1.2 | 12 | 0.44 | 3.9 |
| J598022 | | 1.40 | 0.051 | 0.06 | 5.93 | 7.2 | 860 | 1.51 | 0.13 | 0.32 | 0.03 | 117.0 | 1.8 | 11 | 0.39 | 3.9 |
| J598023 | | 1.51 | <0.005 | 0.05 | 5.82 | 6.2 | 710 | 1.49 | 0.13 | 0.31 | 0.05 | 119.0 | 0.7 | 11 | 0.40 | 2.8 |
| J598024 | | 1.52 | <0.005 | 0.06 | 5.91 | 5.9 | 720 | 1.42 | 0.10 | 0.31 | 0.04 | 117.5 | 0.8 | 12 | 0.38 | 4.9 |
| J598025 | | 0.03 | 3.55 | 0.16 | 1.48 | 1.5 | 100 | 0.28 | 0.14 | 0.01 | 0.15 | 18.40 | 1.2 | 11 | 0.58 | 6.6 |
| J598026 | | 1.63 | 0.046 | 0.11 | 6.17 | 12.7 | 860 | 2.06 | 0.10 | 0.22 | 0.04 | 108.5 | 1.4 | 12 | 1.58 | 6.1 |
| J598027 | | 1.60 | <0.005 | 0.06 | 5.86 | 8.5 | 780 | 1.63 | 0.11 | 0.36 | 0.03 | 116.0 | 1.5 | 11 | 0.42 | 3.7 |
| J598028 | | 1.69 | <0.005 | 0.05 | 6.05 | 8.5 | 990 | 2.04 | 0.11 | 0.33 | <0.02 | 133.5 | 2.4 | 14 | 0.55 | 4.3 |
| J598029 | | 1.53 | <0.005 | 0.06 | 6.00 | 6.7 | 780 | 1.66 | 0.10 | 0.24 | 0.02 | 113.0 | 1.3 | 12 | 0.48 | 3.3 |
| J598030 | | 1.52 | <0.005 | 0.07 | 6.07 | 8.0 | 740 | 1.82 | 0.09 | 0.23 | 0.03 | 111.0 | 0.8 | 13 | 0.53 | 2.3 |
| J598031 | | 1.55 | <0.005 | 0.06 | 6.10 | 5.5 | 760 | 1.85 | 0.10 | 0.33 | 0.04 | 121.0 | 0.9 | 10 | 0.48 | 3.4 |
| J598032 | | 1.75 | <0.005 | 0.09 | 6.02 | 8.7 | 810 | 1.67 | 0.19 | 0.35 | 0.03 | 129.0 | 0.9 | 14 | 0.42 | 5.5 |
| J598033 | | 1.84 | <0.005 | 0.10 | 6.03 | 7.2 | 840 | 1.80 | 0.19 | 0.33 | 0.03 | 141.5 | 0.8 | 11 | 0.43 | 5.5 |
| J598034 | | 0.80 | <0.005 | 0.12 | 6.32 | 24.0 | 830 | 2.03 | 0.10 | 1.18 | 0.08 | 134.5 | 4.4 | 12 | 1.31 | 14.7 |
| J598035 | | 1.56 | <0.005 | 0.10 | 7.66 | 7.4 | 1180 | 2.19 | 0.18 | 4.03 | 0.06 | 156.5 | 17.5 | 2 | 4.91 | 7.9 |
| J598036 | | 1.35 | <0.005 | 0.13 | 7.48 | 14.3 | 1290 | 2.58 | 0.24 | 2.99 | 0.09 | 144.5 | 17.8 | 3 | 4.62 | 27.6 |
| J598037 | | 1.64 | <0.005 | 0.12 | 6.10 | 8.5 | 890 | 1.99 | 0.22 | 0.18 | 0.16 | 114.0 | 3.2 | 10 | 0.69 | 15.5 |
| J598038 | | 1.67 | <0.005 | 0.09 | 6.09 | 3.2 | 810 | 1.72 | 0.15 | 0.37 | 0.05 | 118.5 | 1.6 | 10 | 0.47 | 1.7 |
| J598039 | | 1.81 | <0.005 | 0.07 | 6.17 | 5.3 | 890 | 1.85 | 0.11 | 0.46 | 0.05 | 123.5 | 2.1 | 11 | 0.62 | 2.2 |

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**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | 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 | ME-MS61 P ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598000 | | 1.95 | 18.85 | 0.17 | 7.9 | 0.067 | 2.51 | 66.3 | 5.9 | 0.07 | 517 | 2.55 | 2.75 | 17.3 | 1.3 | 80 |
| J598001 | | 1.74 | 19.50 | 0.17 | 7.8 | 0.043 | 2.89 | 67.0 | 3.2 | 0.05 | 269 | 1.21 | 2.96 | 18.0 | 2.1 | 60 |
| J598002 | | 1.79 | 19.60 | 0.18 | 7.9 | 0.049 | 2.83 | 65.0 | 3.5 | 0.05 | 277 | 2.11 | 2.97 | 17.3 | 1.5 | 80 |
| J598003 | | 1.58 | 19.80 | 0.17 | 7.4 | 0.040 | 2.68 | 58.2 | 3.8 | 0.05 | 263 | 1.19 | 2.91 | 17.2 | 1.5 | 70 |
| J598004 | | 1.64 | 19.95 | 0.18 | 7.3 | 0.057 | 2.67 | 64.3 | 3.9 | 0.05 | 333 | 1.42 | 2.91 | 16.9 | 1.1 | 50 |
| J598005 | | 1.65 | 20.1 | 0.18 | 7.9 | 0.057 | 2.85 | 63.9 | 3.6 | 0.04 | 296 | 1.39 | 2.94 | 18.4 | 1.4 | 60 |
| J598006 | | 1.93 | 17.10 | 0.28 | 6.8 | 0.061 | 2.85 | 67.9 | 3.7 | 0.04 | 351 | 1.66 | 3.03 | 17.9 | 1.7 | 60 |
| J598007 | | 3.03 | 18.00 | 0.28 | 6.2 | 0.086 | 2.90 | 65.5 | 15.8 | 0.56 | 1030 | 1.28 | 2.88 | 14.2 | 2.2 | 870 |
| J598008 | | 2.61 | 17.15 | 0.27 | 6.5 | 0.038 | 1.67 | 68.3 | 8.8 | 0.31 | 562 | 1.42 | 3.67 | 15.3 | 1.8 | 440 |
| J598009 | | 1.76 | 16.25 | 0.26 | 6.2 | 0.045 | 1.37 | 62.7 | 5.7 | 0.10 | 291 | 3.88 | 3.34 | 16.1 | 1.1 | 60 |
| J598010 | | 1.87 | 16.75 | 0.23 | 6.8 | 0.035 | 1.39 | 55.7 | 4.0 | 0.08 | 303 | 1.76 | 3.93 | 16.1 | 1.3 | 130 |
| J598011 | | 1.63 | 16.60 | 0.24 | 6.5 | 0.043 | 1.69 | 54.8 | 4.1 | 0.06 | 180 | 2.22 | 3.14 | 15.1 | 0.9 | 100 |
| J598012 | | 5.83 | 20.2 | 0.33 | 4.1 | 0.076 | 3.96 | 56.1 | 37.1 | 1.61 | 1300 | 1.15 | 1.88 | 7.7 | 5.6 | 2500 |
| J598013 | | 3.96 | 14.45 | 0.24 | 2.6 | 0.078 | 2.27 | 40.1 | 20.9 | 0.82 | 1080 | 0.63 | 0.79 | 9.5 | 3.1 | 1260 |
| J598014 | | 2.32 | 15.70 | 0.28 | 5.1 | 0.027 | 1.41 | 73.2 | 8.7 | 0.29 | 557 | 1.99 | 3.39 | 11.2 | 1.1 | 60 |
| J598015 | | 1.94 | 14.35 | 0.21 | 5.8 | 0.013 | 1.88 | 41.6 | 6.8 | 0.19 | 279 | 3.24 | 2.95 | 10.7 | 1.6 | 40 |
| J598016 | | 1.50 | 15.60 | 0.22 | 5.8 | 0.029 | 1.32 | 47.1 | 4.5 | 0.14 | 187 | 1.54 | 3.56 | 14.0 | 1.7 | 130 |
| J598017 | | 5.12 | 19.65 | 0.31 | 4.3 | 0.096 | 3.55 | 58.6 | 28.2 | 1.32 | 1410 | 1.12 | 1.85 | 9.0 | 4.7 | 2110 |
| J598018 | | 1.28 | 15.00 | 0.21 | 5.2 | 0.020 | 1.85 | 48.9 | 2.1 | 0.04 | 133 | 1.28 | 3.49 | 14.4 | 1.4 | 40 |
| J598019 | | 1.51 | 17.35 | 0.15 | 6.7 | 0.029 | 3.31 | 61.3 | 2.1 | 0.04 | 149 | 1.64 | 2.70 | 14.9 | 1.9 | 20 |
| J598020 | | 1.25 | 16.20 | 0.15 | 6.5 | 0.027 | 3.43 | 57.7 | 1.7 | 0.04 | 136 | 1.28 | 2.52 | 15.3 | 0.9 | 20 |
| J598021 | | 1.20 | 16.40 | 0.18 | 6.4 | 0.025 | 3.44 | 65.4 | 1.5 | 0.03 | 132 | 1.65 | 2.56 | 15.2 | 1.5 | 20 |
| J598022 | | 1.27 | 16.10 | 0.16 | 6.4 | 0.025 | 3.40 | 59.4 | 1.6 | 0.04 | 156 | 1.69 | 2.62 | 15.9 | 1.6 | 20 |
| J598023 | | 1.32 | 16.25 | 0.18 | 6.9 | 0.033 | 3.21 | 59.8 | 2.0 | 0.04 | 172 | 2.34 | 2.67 | 16.8 | 0.8 | 20 |
| J598024 | | 1.31 | 16.30 | 0.18 | 6.9 | 0.045 | 3.09 | 58.8 | 2.5 | 0.05 | 219 | 1.92 | 2.76 | 16.4 | 1.7 | 20 |
| J598025 | | 1.33 | 3.39 | 0.08 | 0.6 | 0.011 | 0.15 | 10.1 | 15.9 | 0.02 | 99 | 0.76 | 0.02 | 3.4 | 5.6 | 40 |
| J598026 | | 2.20 | 17.35 | 0.19 | 6.8 | 0.129 | 3.27 | 55.5 | 4.0 | 0.07 | 269 | 4.30 | 2.30 | 18.2 | 1.3 | 30 |
| J598027 | | 1.38 | 15.55 | 0.19 | 6.4 | 0.029 | 3.25 | 58.3 | 2.1 | 0.05 | 189 | 2.04 | 2.58 | 15.4 | 0.8 | 20 |
| J598028 | | 1.48 | 16.05 | 0.20 | 6.9 | 0.035 | 2.94 | 68.0 | 3.3 | 0.11 | 306 | 1.16 | 2.65 | 16.0 | 1.6 | 30 |
| J598029 | | 1.27 | 15.90 | 0.19 | 7.2 | 0.029 | 3.28 | 58.1 | 1.9 | 0.05 | 136 | 1.33 | 2.65 | 16.8 | 1.5 | 30 |
| J598030 | | 1.35 | 15.85 | 0.18 | 6.9 | 0.030 | 3.34 | 56.4 | 1.8 | 0.04 | 111 | 1.50 | 2.75 | 16.0 | 0.9 | 30 |
| J598031 | | 1.43 | 16.30 | 0.19 | 7.1 | 0.057 | 3.20 | 60.8 | 1.9 | 0.04 | 160 | 2.25 | 2.77 | 16.8 | 1.3 | 20 |
| J598032 | | 1.31 | 16.30 | 0.22 | 7.1 | 0.037 | 3.24 | 64.8 | 1.4 | 0.03 | 153 | 1.86 | 2.80 | 16.3 | 1.4 | 20 |
| J598033 | | 1.55 | 16.45 | 0.23 | 6.5 | 0.058 | 3.22 | 70.7 | 1.8 | 0.05 | 157 | 2.45 | 2.69 | 15.6 | 0.8 | 30 |
| J598034 | | 2.18 | 16.90 | 0.22 | 6.3 | 0.061 | 1.39 | 67.1 | 9.2 | 0.38 | 491 | 1.58 | 3.26 | 14.6 | 2.1 | 420 |
| J598035 | | 5.37 | 20.1 | 0.30 | 4.4 | 0.102 | 3.47 | 66.6 | 26.7 | 1.54 | 1600 | 0.35 | 2.54 | 6.5 | 5.0 | 2350 |
| J598036 | | 4.81 | 20.9 | 0.29 | 5.1 | 0.098 | 3.29 | 64.3 | 24.6 | 1.26 | 1200 | 5.47 | 2.53 | 9.6 | 5.2 | 1880 |
| J598037 | | 3.00 | 17.20 | 0.20 | 6.8 | 0.183 | 2.78 | 57.6 | 2.9 | 0.04 | 222 | 15.65 | 2.09 | 17.5 | 1.1 | 40 |
| J598038 | | 1.52 | 15.30 | 0.20 | 6.2 | 0.059 | 3.13 | 59.9 | 1.9 | 0.03 | 275 | 1.37 | 2.60 | 16.2 | 1.1 | 20 |
| J598039 | | 1.57 | 16.35 | 0.20 | 6.4 | 0.058 | 3.16 | 62.8 | 2.6 | 0.03 | 345 | 2.71 | 2.57 | 16.8 | 0.8 | 30 |

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# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | 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 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598000 | | 66.6 | 81.6 | <0.002 | 0.08 | 0.92 | 6.6 | 1 | 2.5 | 59.6 | 1.22 | <0.05 | 15.9 | 0.079 | 0.28 | 3.6 |
| J598001 | | 31.3 | 79.8 | <0.002 | 0.02 | 0.96 | 7.1 | 1 | 1.1 | 67.8 | 1.24 | <0.05 | 17.4 | 0.083 | 0.29 | 4.0 |
| J598002 | | 27.8 | 80.3 | <0.002 | 0.05 | 0.96 | 7.3 | 1 | 1.5 | 67.0 | 1.22 | <0.05 | 17.3 | 0.083 | 0.29 | 4.1 |
| J598003 | | 18.2 | 80.0 | <0.002 | 0.04 | 0.88 | 6.2 | 1 | 1.2 | 62.1 | 1.13 | <0.05 | 16.2 | 0.076 | 0.29 | 4.3 |
| J598004 | | 38.2 | 77.9 | <0.002 | 0.08 | 0.76 | 6.8 | 1 | 1.1 | 57.7 | 1.16 | <0.05 | 16.8 | 0.079 | 0.28 | 3.8 |
| J598005 | | 17.4 | 86.4 | <0.002 | 0.03 | 0.74 | 7.6 | 1 | 1.3 | 58.8 | 1.23 | <0.05 | 17.0 | 0.081 | 0.30 | 3.9 |
| J598006 | | 24.6 | 76.5 | 0.002 | 0.04 | 0.84 | 7.4 | 2 | 1.6 | 79.2 | 1.36 | <0.05 | 17.1 | 0.081 | 0.33 | 3.7 |
| J598007 | | 22.4 | 118.5 | 0.002 | 0.04 | 1.17 | 7.2 | 2 | 2.2 | 182.5 | 1.08 | <0.05 | 16.3 | 0.175 | 0.61 | 3.1 |
| J598008 | | 16.4 | 59.8 | <0.002 | 0.17 | 1.22 | 7.1 | 2 | 1.3 | 237 | 1.21 | <0.05 | 16.8 | 0.130 | 0.30 | 3.8 |
| J598009 | | 11.0 | 42.0 | 0.002 | 0.07 | 0.76 | 6.3 | 2 | 1.9 | 158.0 | 1.29 | <0.05 | 16.1 | 0.079 | 0.15 | 3.8 |
| J598010 | | 7.0 | 35.7 | <0.002 | 0.06 | 0.70 | 6.9 | 2 | 1.5 | 187.0 | 1.31 | <0.05 | 16.5 | 0.094 | 0.14 | 3.2 |
| J598011 | | 14.6 | 42.2 | 0.002 | 0.32 | 0.83 | 6.7 | 2 | 1.5 | 208 | 1.31 | <0.05 | 16.2 | 0.086 | 0.15 | 3.2 |
| J598012 | | 9.4 | 158.0 | 0.002 | 0.13 | 1.08 | 8.7 | 2 | 1.8 | 572 | 0.39 | <0.05 | 10.8 | 0.384 | 1.08 | 3.8 |
| J598013 | | 5.0 | 126.5 | 0.002 | 0.12 | 0.67 | 6.4 | 2 | 3.5 | 206 | 0.53 | <0.05 | 8.1 | 0.191 | 0.55 | 1.5 |
| J598014 | | 5.0 | 48.8 | 0.002 | 0.04 | 0.70 | 4.3 | 2 | 3.7 | 131.5 | 1.01 | <0.05 | 17.1 | 0.054 | 0.21 | 3.3 |
| J598015 | | 5.1 | 51.0 | 0.002 | 0.01 | 0.66 | 3.3 | 1 | 1.6 | 141.5 | 1.11 | <0.05 | 15.3 | 0.058 | 0.21 | 4.4 |
| J598016 | | 5.7 | 40.4 | <0.002 | 0.26 | 0.69 | 5.1 | 2 | 1.5 | 159.0 | 1.19 | <0.05 | 15.2 | 0.069 | 0.16 | 4.1 |
| J598017 | | 10.0 | 179.5 | 0.002 | 0.11 | 0.83 | 8.3 | 2 | 4.3 | 292 | 0.56 | <0.05 | 11.4 | 0.336 | 1.03 | 2.6 |
| J598018 | | 3.6 | 54.7 | <0.002 | 0.02 | 0.98 | 4.2 | 2 | 1.4 | 107.5 | 1.19 | <0.05 | 15.1 | 0.043 | 0.25 | 2.9 |
| J598019 | | 5.0 | 106.5 | <0.002 | 0.03 | 0.97 | 5.3 | 1 | 1.8 | 77.0 | 1.26 | <0.05 | 16.5 | 0.044 | 0.43 | 3.9 |
| J598020 | | 4.2 | 112.0 | <0.002 | 0.06 | 1.00 | 4.9 | 1 | 1.7 | 72.9 | 1.24 | <0.05 | 16.0 | 0.043 | 0.45 | 3.5 |
| J598021 | | 4.4 | 111.0 | <0.002 | 0.05 | 1.04 | 4.7 | 1 | 1.6 | 54.9 | 1.22 | <0.05 | 16.5 | 0.040 | 0.44 | 3.8 |
| J598022 | | 5.0 | 103.0 | <0.002 | 0.16 | 1.00 | 4.3 | 1 | 1.7 | 58.2 | 1.28 | <0.05 | 16.2 | 0.046 | 0.40 | 4.5 |
| J598023 | | 6.3 | 105.0 | <0.002 | 0.03 | 1.07 | 4.7 | 1 | 2.1 | 48.6 | 1.36 | <0.05 | 16.8 | 0.049 | 0.38 | 4.1 |
| J598024 | | 6.4 | 92.6 | <0.002 | 0.03 | 0.95 | 4.7 | 1 | 2.9 | 51.5 | 1.42 | <0.05 | 16.3 | 0.055 | 0.38 | 4.4 |
| J598025 | | 28.7 | 12.4 | <0.002 | 1.00 | 0.59 | 1.3 | 1 | 1.4 | 14.1 | 0.29 | <0.05 | 3.3 | 0.085 | 0.45 | 0.4 |
| J598026 | | 8.7 | 110.0 | <0.002 | 0.08 | 0.93 | 4.9 | 1 | 10.3 | 40.8 | 1.38 | <0.05 | 17.1 | 0.055 | 0.43 | 4.0 |
| J598027 | | 5.5 | 103.0 | <0.002 | 0.10 | 0.90 | 4.5 | 1 | 2.4 | 42.9 | 1.25 | <0.05 | 16.2 | 0.048 | 0.44 | 3.7 |
| J598028 | | 5.8 | 98.5 | <0.002 | 0.16 | 0.73 | 4.7 | 1 | 2.2 | 57.4 | 1.35 | <0.05 | 17.3 | 0.051 | 0.44 | 4.0 |
| J598029 | | 5.5 | 112.5 | <0.002 | 0.06 | 0.96 | 4.4 | 1 | 2.0 | 43.0 | 1.48 | <0.05 | 17.3 | 0.051 | 0.45 | 4.2 |
| J598030 | | 5.7 | 110.5 | <0.002 | 0.04 | 1.03 | 4.5 | 1 | 2.7 | 73.0 | 1.29 | <0.05 | 17.2 | 0.046 | 0.47 | 3.6 |
| J598031 | | 5.8 | 108.5 | <0.002 | 0.04 | 0.86 | 4.8 | 2 | 4.8 | 90.2 | 1.39 | <0.05 | 17.5 | 0.046 | 0.46 | 4.5 |
| J598032 | | 6.6 | 99.2 | <0.002 | 0.05 | 1.11 | 4.7 | 2 | 2.8 | 121.0 | 1.32 | <0.05 | 18.3 | 0.040 | 0.46 | 5.1 |
| J598033 | | 7.7 | 103.5 | <0.002 | 0.01 | 0.95 | 4.9 | 1 | 4.6 | 106.5 | 1.25 | <0.05 | 17.6 | 0.044 | 0.45 | 4.1 |
| J598034 | | 15.4 | 70.6 | <0.002 | 0.08 | 0.82 | 5.8 | 1 | 5.4 | 413 | 1.23 | <0.05 | 16.3 | 0.109 | 0.36 | 4.1 |
| J598035 | | 13.5 | 153.0 | <0.002 | 0.07 | 0.59 | 9.0 | 2 | 2.0 | 677 | 0.37 | <0.05 | 10.8 | 0.373 | 1.30 | 2.4 |
| J598036 | | 20.5 | 155.5 | <0.002 | 0.15 | 0.74 | 8.8 | 2 | 7.0 | 569 | 0.67 | <0.05 | 12.9 | 0.311 | 1.22 | 3.1 |
| J598037 | | 15.0 | 97.4 | <0.002 | 0.05 | 0.49 | 5.0 | 1 | 17.9 | 115.0 | 1.46 | <0.05 | 17.9 | 0.059 | 0.41 | 4.0 |
| J598038 | | 12.1 | 94.1 | <0.002 | <0.01 | 0.55 | 4.7 | 1 | 4.6 | 45.8 | 1.33 | <0.05 | 16.4 | 0.061 | 0.43 | 3.8 |
| J598039 | | 12.7 | 104.5 | <0.002 | <0.01 | 0.59 | 4.9 | 1 | 5.5 | 51.7 | 1.34 | <0.05 | 16.9 | 0.064 | 0.46 | 4.1 |

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

ALS Canada Ltd.
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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61<br>V<br>ppm<br>1 | ME-MS61<br>W<br>ppm<br>0.1 | ME-MS61<br>Y<br>ppm<br>0.1 | ME-MS61<br>Zn<br>ppm<br>2 | ME-MS61<br>Zr<br>ppm<br>0.5 |
|---|---|---|---|---|---|---|
| J598000 | | 1 | 2.3 | 32.4 | 206 | 269 |
| J598001 | | 1 | 1.1 | 34.8 | 28 | 277 |
| J598002 | | 1 | 1.5 | 34.7 | 26 | 280 |
| J598003 | | 1 | 1.8 | 30.5 | 21 | 272 |
| J598004 | | 1 | 1.8 | 30.4 | 63 | 263 |
| J598005 | | 1 | 1.5 | 32.7 | 24 | 278 |
| J598006 | | 1 | 1.7 | 31.5 | 30 | 248 |
| J598007 | | 36 | 2.0 | 24.8 | 180 | 233 |
| J598008 | | 17 | 2.0 | 24.2 | 85 | 236 |
| J598009 | | 1 | 2.6 | 23.2 | 26 | 217 |
| J598010 | | 3 | 1.5 | 21.1 | 19 | 245 |
| J598011 | | 1 | 3.3 | 23.7 | 23 | 231 |
| J598012 | | 109 | 2.3 | 18.8 | 128 | 167.0 |
| J598013 | | 55 | 4.1 | 26.9 | 71 | 99.5 |
| J598014 | | 7 | 1.4 | 22.8 | 30 | 159.0 |
| J598015 | | 3 | 1.5 | 22.2 | 23 | 177.5 |
| J598016 | | 5 | 1.4 | 20.8 | 17 | 187.5 |
| J598017 | | 94 | 3.4 | 20.8 | 146 | 164.0 |
| J598018 | | 1 | 1.5 | 19.5 | 7 | 161.5 |
| J598019 | | 1 | 1.5 | 24.6 | 9 | 207 |
| J598020 | | <1 | 1.5 | 24.1 | 9 | 195.0 |
| J598021 | | <1 | 2.2 | 24.3 | 9 | 186.5 |
| J598022 | | 1 | 1.6 | 27.0 | 10 | 191.0 |
| J598023 | | <1 | 2.1 | 29.6 | 21 | 205 |
| J598024 | | 1 | 1.9 | 25.8 | 22 | 206 |
| J598025 | | 7 | 0.9 | 2.8 | 13 | 19.2 |
| J598026 | | 1 | 3.2 | 30.2 | 29 | 204 |
| J598027 | | <1 | 1.8 | 28.8 | 15 | 193.5 |
| J598028 | | 1 | 1.7 | 28.1 | 19 | 199.5 |
| J598029 | | <1 | 1.9 | 23.9 | 13 | 207 |
| J598030 | | 1 | 1.8 | 27.0 | 11 | 207 |
| J598031 | | 1 | 2.4 | 31.7 | 14 | 214 |
| J598032 | | 1 | 1.9 | 31.2 | 11 | 214 |
| J598033 | | <1 | 1.8 | 29.4 | 16 | 200 |
| J598034 | | 19 | 1.0 | 27.7 | 55 | 198.0 |
| J598035 | | 108 | 1.4 | 19.5 | 171 | 179.0 |
| J598036 | | 87 | 3.4 | 20.1 | 164 | 188.0 |
| J598037 | | 1 | 5.1 | 26.6 | 75 | 205 |
| J598038 | | <1 | 2.1 | 28.1 | 29 | 189.5 |
| J598039 | | <1 | 46.1 | 29.4 | 33 | 202 |

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

ALS Canada Ltd.
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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA23 Au g/t 0.005 | 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 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598040 | | 1.80 | <0.005 | 0.10 | 6.10 | 2.6 | 920 | 2.03 | 0.14 | 0.40 | 0.04 | 131.5 | 2.0 | 13 | 0.53 | 4.2 |
| J598041 | | 1.92 | <0.005 | 0.10 | 6.22 | 3.2 | 920 | 1.98 | 0.13 | 0.42 | 0.03 | 124.0 | 1.9 | 14 | 0.51 | 3.5 |
| J598042 | | 1.78 | <0.005 | 0.07 | 6.05 | 1.6 | 880 | 1.68 | 0.13 | 0.39 | 0.04 | 118.5 | 1.3 | 11 | 0.54 | 2.3 |
| J598043 | | 1.72 | <0.005 | 0.08 | 5.89 | 6.5 | 880 | 1.92 | 0.15 | 0.53 | 0.10 | 124.5 | 2.5 | 13 | 0.58 | 20.9 |
| J598044 | | 2.01 | <0.005 | 0.07 | 5.94 | 4.8 | 800 | 1.51 | 0.11 | 0.35 | 0.04 | 115.0 | 1.2 | 11 | 0.49 | 2.2 |
| J598045 | | 1.72 | <0.005 | 0.15 | 5.77 | 4.4 | 850 | 1.75 | 0.13 | 0.34 | 0.03 | 118.5 | 1.2 | 10 | 0.52 | 3.9 |
| J598046 | | 1.75 | <0.005 | 0.07 | 5.95 | 5.4 | 950 | 1.93 | 0.10 | 0.51 | 0.03 | 184.5 | 1.7 | 11 | 0.52 | 1.8 |
| J598047 | | 1.78 | <0.005 | 0.05 | 6.08 | 6.5 | 990 | 1.81 | 0.09 | 0.40 | 0.03 | 118.0 | 1.6 | 12 | 0.55 | 5.2 |
| J598048 | | 1.43 | <0.005 | 0.09 | 6.18 | 7.4 | 1040 | 2.15 | 0.06 | 0.52 | 0.02 | 83.2 | 1.9 | 11 | 0.63 | 4.0 |
| J598049 | | 1.46 | 0.019 | 0.08 | 6.05 | 16.8 | 860 | 1.65 | 0.10 | 0.41 | 0.04 | 119.0 | 1.2 | 8 | 0.47 | 6.9 |
| J598050 | | 0.03 | 8.44 | 0.50 | 6.73 | 3.2 | 170 | 1.91 | 0.08 | 0.96 | 0.44 | 18.00 | 11.0 | 32 | 1.34 | 16.6 |
| J598051 | | 1.63 | <0.005 | 0.07 | 5.64 | 8.3 | 910 | 1.59 | 0.10 | 0.42 | 0.02 | 113.5 | 1.3 | 11 | 0.49 | 11.0 |
| J598052 | | 1.01 | 0.007 | 0.08 | 5.98 | 14.6 | 820 | 1.76 | 0.13 | 0.43 | 0.07 | 122.5 | 1.1 | 10 | 0.53 | 6.2 |
| J598053 | | 0.85 | 0.093 | 0.14 | 6.01 | 44.2 | 890 | 1.53 | 0.14 | 0.34 | 0.51 | 80.9 | 1.1 | 9 | 0.52 | 15.7 |
| J598054 | | 1.12 | <0.005 | 0.09 | 6.06 | 18.9 | 920 | 1.70 | 0.08 | 0.41 | 0.04 | 105.0 | 1.1 | 10 | 0.51 | 5.0 |
| J598055 | | 1.72 | 0.007 | 0.01 | 6.03 | 11.6 | 970 | 1.97 | 0.14 | 0.42 | 0.03 | 117.0 | 1.5 | 12 | 0.59 | 7.8 |
| J598056 | | 1.98 | 0.005 | <0.01 | 6.29 | 16.5 | 900 | 2.23 | 0.11 | 0.50 | 0.06 | 120.5 | 1.0 | 13 | 0.69 | 8.0 |
| J598057 | | 2.11 | <0.005 | <0.01 | 6.10 | 7.5 | 770 | 2.43 | 0.11 | 0.42 | 0.05 | 112.5 | 1.0 | 13 | 0.61 | 4.9 |
| J598058 | | 2.18 | <0.005 | <0.01 | 6.25 | 3.1 | 820 | 1.85 | 0.09 | 0.37 | 0.02 | 118.5 | 1.1 | 18 | 0.58 | 3.1 |
| J598059 | | 2.24 | <0.005 | 0.06 | 6.16 | 3.0 | 830 | 1.96 | 0.08 | 0.38 | 0.02 | 103.5 | 0.8 | 13 | 0.47 | 2.3 |
| J598060 | | 2.05 | <0.005 | 0.03 | 6.04 | 3.8 | 690 | 2.19 | 0.06 | 0.38 | 0.02 | 87.1 | 1.0 | 12 | 0.50 | 3.0 |
| J598061 | | 1.99 | 0.009 | 0.06 | 6.21 | 4.1 | 850 | 2.19 | 0.07 | 0.43 | 0.04 | 104.5 | 1.3 | 17 | 0.57 | 2.3 |
| J598062 | | 2.16 | <0.005 | 0.04 | 6.28 | 2.8 | 890 | 2.06 | 0.12 | 0.40 | 0.04 | 109.5 | 0.9 | 12 | 0.59 | 2.8 |
| J598063 | | 2.07 | <0.005 | 0.03 | 6.12 | 2.1 | 890 | 2.39 | 0.07 | 0.37 | <0.02 | 101.5 | 0.8 | 13 | 0.62 | 1.6 |
| J598064 | | 2.07 | <0.005 | 0.05 | 6.09 | 1.5 | 780 | 2.64 | 0.06 | 0.37 | 0.02 | 109.0 | 0.8 | 18 | 0.64 | 2.0 |
| J598065 | | 2.18 | <0.005 | 0.07 | 6.04 | 2.9 | 720 | 2.30 | 0.06 | 0.39 | 0.02 | 93.1 | 0.6 | 14 | 0.57 | 2.1 |
| J598066 | | 1.81 | <0.005 | 0.64 | 6.14 | 4.3 | 740 | 1.86 | 0.08 | 0.43 | 0.03 | 102.5 | 0.8 | 11 | 0.52 | 4.4 |
| J598067 | | 1.68 | 0.012 | 0.20 | 6.07 | 11.3 | 670 | 1.65 | 0.06 | 0.39 | 0.06 | 89.3 | 0.7 | 18 | 0.50 | 2.3 |
| J598068 | | 1.78 | <0.005 | 0.12 | 6.11 | 6.3 | 820 | 2.08 | 0.07 | 0.39 | <0.02 | 115.0 | 0.9 | 13 | 0.58 | 3.0 |
| J598069 | | 1.81 | 0.009 | 0.07 | 6.15 | 64.3 | 700 | 1.97 | 0.06 | 0.39 | 0.02 | 103.0 | 0.7 | 11 | 0.62 | 4.3 |
| J598070 | | 1.63 | 0.009 | 0.05 | 6.08 | 25.3 | 730 | 1.87 | 0.11 | 0.39 | <0.02 | 103.5 | 0.9 | 10 | 0.60 | 5.5 |
| J598071 | | 1.79 | 0.012 | 0.10 | 5.89 | 15.7 | 760 | 2.02 | 0.08 | 0.37 | 0.03 | 99.8 | 0.6 | 13 | 0.60 | 3.0 |
| J598072 | | 1.72 | 0.023 | 0.09 | 6.30 | 9.1 | 830 | 1.91 | 0.09 | 0.41 | 0.02 | 99.7 | 0.7 | 11 | 0.59 | 4.3 |
| J598073 | | 1.68 | 0.005 | 0.06 | 5.80 | 16.9 | 510 | 2.03 | 0.07 | 0.40 | <0.02 | 86.8 | 0.8 | 12 | 0.88 | 4.5 |
| J598074 | | 1.99 | <0.005 | 0.06 | 5.98 | 64.5 | 440 | 1.84 | 0.06 | 0.42 | <0.02 | 79.0 | 1.2 | 12 | 0.98 | 5.4 |
| J598075 | | 0.06 | <0.005 | 0.06 | 6.41 | 1.7 | 870 | 1.10 | 0.10 | 1.32 | 0.07 | 28.2 | 2.2 | 11 | 1.61 | 3.7 |
| J598076 | | 2.03 | <0.005 | 0.04 | 5.98 | 24.3 | 430 | 2.35 | 0.04 | 0.44 | <0.02 | 85.3 | 1.0 | 11 | 0.86 | 5.2 |
| J598077 | | 1.83 | 0.045 | 0.05 | 6.18 | 26.8 | 480 | 2.09 | 0.05 | 0.43 | <0.02 | 84.3 | 1.1 | 12 | 0.90 | 7.4 |
| J598078 | | 1.95 | 0.005 | 0.05 | 6.03 | 9.9 | 470 | 1.78 | 0.05 | 0.43 | 0.03 | 80.6 | 0.7 | 14 | 1.04 | 2.7 |
| J598079 | | 2.00 | 0.015 | 0.08 | 6.00 | 41.6 | 510 | 1.42 | 0.08 | 0.44 | 0.03 | 82.6 | 2.1 | 15 | 0.67 | 25.9 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | 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 | ME-MS61 P ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598040 | | 1.42 | 16.25 | 0.20 | 6.5 | 0.040 | 3.38 | 66.0 | 1.7 | 0.03 | 260 | 1.88 | 2.74 | 16.9 | 1.4 | 30 |
| J598041 | | 1.52 | 16.60 | 0.19 | 6.5 | 0.037 | 3.32 | 62.6 | 1.9 | 0.03 | 290 | 1.95 | 2.83 | 16.7 | 1.4 | 20 |
| J598042 | | 1.33 | 15.65 | 0.20 | 6.5 | 0.033 | 3.26 | 60.6 | 1.8 | 0.03 | 214 | 1.56 | 2.72 | 16.7 | 0.6 | 30 |
| J598043 | | 1.63 | 14.95 | 0.20 | 6.3 | 0.033 | 3.01 | 62.5 | 3.5 | 0.04 | 373 | 1.92 | 2.55 | 15.6 | 1.3 | 20 |
| J598044 | | 1.32 | 15.20 | 0.21 | 6.2 | 0.032 | 3.27 | 58.4 | 2.5 | 0.03 | 232 | 1.16 | 2.57 | 15.7 | 0.9 | 30 |
| J598045 | | 1.30 | 15.00 | 0.20 | 6.3 | 0.039 | 3.15 | 60.0 | 2.2 | 0.03 | 228 | 1.50 | 2.58 | 15.3 | 1.4 | 30 |
| J598046 | | 1.31 | 15.55 | 0.23 | 6.2 | 0.039 | 2.99 | 97.1 | 2.9 | 0.04 | 302 | 1.12 | 2.61 | 15.3 | 1.0 | 30 |
| J598047 | | 1.46 | 15.65 | 0.20 | 6.4 | 0.037 | 3.28 | 60.0 | 2.9 | 0.03 | 262 | 1.35 | 2.61 | 15.4 | 1.5 | 30 |
| J598048 | | 1.57 | 16.50 | 0.18 | 6.3 | 0.067 | 3.01 | 41.8 | 3.8 | 0.04 | 336 | 1.60 | 2.74 | 12.2 | 1.5 | 20 |
| J598049 | | 1.35 | 15.65 | 0.21 | 6.3 | 0.038 | 3.15 | 60.2 | 2.7 | 0.03 | 249 | 1.62 | 2.64 | 15.8 | 0.7 | 20 |
| J598050 | | 4.32 | 18.05 | 0.21 | 1.3 | 0.014 | 2.25 | 8.9 | 1.7 | 0.92 | 264 | 2.11 | 5.07 | 9.7 | 39.6 | 640 |
| J598051 | | 1.28 | 15.00 | 0.20 | 6.3 | 0.042 | 3.19 | 56.7 | 2.8 | 0.02 | 255 | 1.96 | 2.63 | 15.4 | 1.4 | 20 |
| J598052 | | 1.50 | 16.00 | 0.21 | 6.4 | 0.077 | 3.23 | 62.2 | 4.0 | 0.02 | 252 | 1.84 | 2.55 | 16.8 | 2.3 | 20 |
| J598053 | | 1.50 | 15.60 | 0.17 | 6.1 | 0.085 | 3.21 | 40.8 | 8.2 | 0.03 | 254 | 2.19 | 2.28 | 14.2 | 1.0 | 20 |
| J598054 | | 1.40 | 15.95 | 0.20 | 6.5 | 0.051 | 3.26 | 52.4 | 3.1 | 0.02 | 309 | 1.99 | 2.72 | 16.1 | 1.6 | 20 |
| J598055 | | 1.38 | 18.60 | 0.14 | 6.2 | 0.064 | 3.19 | 58.5 | 3.1 | 0.03 | 281 | 3.21 | 2.75 | 16.7 | 1.4 | 30 |
| J598056 | | 1.42 | 19.50 | 0.17 | 6.6 | 0.073 | 3.28 | 59.5 | 3.7 | 0.03 | 435 | 3.14 | 2.80 | 18.2 | 1.0 | 30 |
| J598057 | | 1.45 | 19.05 | 0.17 | 6.6 | 0.052 | 3.23 | 55.5 | 2.6 | 0.03 | 322 | 2.13 | 2.83 | 17.8 | 1.3 | 30 |
| J598058 | | 1.30 | 19.55 | 0.17 | 7.0 | 0.044 | 3.41 | 58.9 | 2.2 | 0.03 | 292 | 2.39 | 2.92 | 18.9 | 1.3 | 30 |
| J598059 | | 1.32 | 17.15 | 0.16 | 6.5 | 0.034 | 3.39 | 51.5 | 2.2 | 0.03 | 239 | 1.80 | 2.87 | 15.5 | 0.4 | 30 |
| J598060 | | 1.28 | 16.95 | 0.14 | 6.5 | 0.033 | 3.38 | 42.6 | 2.2 | 0.02 | 279 | 2.31 | 2.84 | 18.1 | 0.7 | 20 |
| J598061 | | 1.45 | 17.90 | 0.16 | 6.4 | 0.041 | 3.40 | 49.7 | 2.7 | 0.03 | 276 | 2.87 | 2.80 | 17.3 | 0.4 | 30 |
| J598062 | | 1.42 | 17.40 | 0.14 | 6.7 | 0.046 | 3.40 | 55.9 | 2.4 | 0.03 | 278 | 3.69 | 2.95 | 16.3 | 0.6 | 30 |
| J598063 | | 1.27 | 16.80 | 0.14 | 6.3 | 0.048 | 3.29 | 52.2 | 2.2 | 0.03 | 227 | 2.04 | 2.94 | 16.5 | 0.2 | 20 |
| J598064 | | 1.34 | 18.20 | 0.17 | 6.7 | 0.042 | 3.31 | 53.5 | 2.2 | 0.02 | 217 | 2.38 | 2.91 | 18.3 | 0.7 | 30 |
| J598065 | | 1.22 | 17.55 | 0.13 | 6.6 | 0.045 | 3.24 | 45.6 | 2.3 | 0.02 | 242 | 2.21 | 2.86 | 18.8 | 0.2 | 30 |
| J598066 | | 1.36 | 16.85 | 0.15 | 5.9 | 0.032 | 3.41 | 52.1 | 2.6 | 0.02 | 273 | 2.23 | 2.82 | 15.1 | 1.3 | 30 |
| J598067 | | 1.16 | 16.25 | 0.13 | 6.3 | 0.029 | 3.39 | 41.5 | 2.9 | 0.02 | 270 | 1.86 | 2.83 | 14.3 | 0.6 | 20 |
| J598068 | | 1.34 | 18.10 | 0.16 | 6.4 | 0.033 | 3.34 | 54.2 | 2.7 | 0.02 | 282 | 2.17 | 2.84 | 16.0 | 0.9 | 30 |
| J598069 | | 1.22 | 17.40 | 0.14 | 5.6 | 0.036 | 3.40 | 51.3 | 2.9 | 0.03 | 269 | 2.09 | 2.85 | 15.1 | 0.5 | 30 |
| J598070 | | 1.34 | 17.10 | 0.14 | 6.2 | 0.039 | 3.33 | 53.2 | 2.7 | 0.02 | 278 | 2.57 | 2.77 | 16.2 | 0.7 | 20 |
| J598071 | | 1.18 | 16.60 | 0.15 | 6.9 | 0.036 | 3.26 | 48.8 | 2.5 | 0.02 | 255 | 2.70 | 2.74 | 16.4 | 0.4 | 30 |
| J598072 | | 1.37 | 17.05 | 0.14 | 6.4 | 0.036 | 3.45 | 49.4 | 3.0 | 0.02 | 310 | 2.52 | 2.78 | 15.6 | 0.6 | 20 |
| J598073 | | 1.10 | 16.30 | 0.11 | 6.0 | 0.018 | 3.39 | 41.4 | 3.6 | 0.03 | 219 | 1.97 | 2.55 | 16.9 | 0.5 | 30 |
| J598074 | | 1.21 | 15.75 | 0.12 | 4.9 | 0.013 | 3.46 | 37.9 | 3.8 | 0.04 | 204 | 2.01 | 2.54 | 14.0 | 1.4 | 40 |
| J598075 | | 1.41 | 12.85 | 0.08 | 1.3 | 0.017 | 2.19 | 12.8 | 9.7 | 0.18 | 544 | 0.94 | 2.75 | 4.2 | 1.4 | 180 |
| J598076 | | 1.07 | 15.70 | 0.12 | 5.4 | 0.011 | 3.50 | 40.7 | 4.0 | 0.04 | 224 | 1.70 | 2.57 | 14.1 | 0.6 | 40 |
| J598077 | | 1.21 | 16.75 | 0.13 | 5.0 | 0.015 | 3.59 | 40.6 | 4.3 | 0.05 | 223 | 2.42 | 2.65 | 14.5 | 1.0 | 50 |
| J598078 | | 1.04 | 16.25 | 0.12 | 4.7 | 0.015 | 3.49 | 37.7 | 3.3 | 0.04 | 195 | 2.22 | 2.60 | 14.2 | 0.5 | 50 |
| J598079 | | 1.25 | 15.85 | 0.12 | 4.9 | 0.017 | 3.65 | 39.8 | 8.5 | 0.04 | 231 | 2.39 | 2.49 | 14.1 | 0.9 | 40 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | 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 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598040 | | 10.4 | 120.5 | <0.002 | <0.01 | 0.40 | 5.1 | 1 | 2.2 | 38.7 | 1.42 | <0.05 | 16.5 | 0.065 | 0.46 | 3.9 |
| J598041 | | 11.9 | 116.0 | <0.002 | <0.01 | 0.43 | 5.1 | 1 | 2.4 | 39.6 | 1.37 | <0.05 | 17.1 | 0.065 | 0.46 | 4.2 |
| J598042 | | 11.1 | 118.5 | <0.002 | <0.01 | 0.31 | 4.8 | 1 | 1.9 | 35.7 | 1.33 | <0.05 | 16.0 | 0.057 | 0.48 | 3.8 |
| J598043 | | 15.3 | 103.0 | <0.002 | 0.02 | 0.47 | 4.8 | 1 | 3.5 | 46.3 | 1.32 | <0.05 | 16.2 | 0.060 | 0.46 | 4.1 |
| J598044 | | 7.8 | 114.0 | <0.002 | <0.01 | 0.39 | 4.3 | 1 | 2.0 | 42.2 | 1.35 | <0.05 | 17.3 | 0.051 | 0.54 | 3.4 |
| J598045 | | 9.5 | 112.0 | <0.002 | <0.01 | 0.44 | 4.4 | 1 | 2.0 | 40.7 | 1.28 | <0.05 | 16.1 | 0.054 | 0.51 | 3.4 |
| J598046 | | 7.2 | 107.5 | <0.002 | <0.01 | 0.37 | 4.7 | 1 | 1.9 | 55.2 | 1.23 | <0.05 | 18.8 | 0.056 | 0.47 | 3.7 |
| J598047 | | 6.3 | 117.5 | <0.002 | 0.01 | 0.43 | 5.0 | 1 | 2.7 | 51.5 | 1.16 | <0.05 | 16.7 | 0.057 | 0.54 | 3.6 |
| J598048 | | 7.1 | 111.5 | <0.002 | 0.01 | 0.37 | 4.8 | 1 | 4.3 | 50.4 | 0.99 | <0.05 | 16.5 | 0.058 | 0.51 | 4.2 |
| J598049 | | 7.2 | 115.5 | <0.002 | 0.04 | 0.40 | 4.8 | 1 | 2.5 | 39.4 | 1.27 | <0.05 | 16.0 | 0.056 | 0.53 | 3.9 |
| J598050 | | 91.5 | 187.0 | <0.002 | 3.22 | 1.06 | 3.3 | 1 | 1.0 | 162.0 | 0.82 | <0.05 | 2.5 | 0.261 | 1.94 | 1.0 |
| J598051 | | 5.9 | 120.0 | <0.002 | 0.02 | 0.44 | 4.3 | 1 | 2.4 | 44.0 | 1.25 | <0.05 | 16.4 | 0.058 | 0.58 | 3.6 |
| J598052 | | 21.8 | 123.5 | <0.002 | 0.08 | 0.52 | 4.9 | 1 | 6.9 | 38.9 | 1.43 | <0.05 | 17.9 | 0.055 | 0.59 | 4.0 |
| J598053 | | 43.6 | 131.5 | <0.002 | 0.41 | 0.41 | 4.8 | 1 | 6.8 | 34.9 | 1.17 | <0.05 | 16.0 | 0.061 | 0.56 | 4.2 |
| J598054 | | 8.0 | 122.5 | <0.002 | 0.03 | 0.50 | 4.9 | 1 | 3.1 | 44.6 | 1.37 | <0.05 | 16.9 | 0.058 | 0.62 | 3.9 |
| J598055 | | 8.2 | 137.5 | <0.002 | 0.02 | 0.55 | 5.9 | 1 | 3.4 | 41.7 | 1.29 | <0.05 | 15.8 | 0.058 | 0.66 | 4.1 |
| J598056 | | 12.4 | 146.5 | <0.002 | 0.01 | 0.49 | 6.1 | 1 | 4.3 | 41.7 | 1.47 | <0.05 | 18.2 | 0.063 | 0.68 | 4.3 |
| J598057 | | 8.3 | 146.5 | <0.002 | 0.02 | 0.46 | 5.5 | 2 | 3.4 | 33.1 | 1.40 | <0.05 | 17.0 | 0.055 | 0.65 | 4.9 |
| J598058 | | 8.1 | 153.0 | <0.002 | <0.01 | 0.44 | 5.7 | 1 | 2.1 | 33.0 | 1.54 | <0.05 | 17.3 | 0.058 | 0.64 | 4.7 |
| J598059 | | 6.6 | 133.5 | <0.002 | <0.01 | 0.35 | 4.6 | 1 | 1.8 | 28.8 | 1.31 | <0.05 | 15.6 | 0.057 | 0.51 | 3.7 |
| J598060 | | 9.0 | 147.5 | 0.002 | 0.01 | 0.40 | 4.1 | 2 | 2.2 | 30.4 | 1.72 | <0.05 | 18.8 | 0.055 | 0.63 | 4.7 |
| J598061 | | 9.5 | 155.5 | <0.002 | 0.03 | 0.36 | 4.8 | 1 | 2.4 | 30.3 | 1.39 | <0.05 | 16.3 | 0.062 | 0.63 | 4.5 |
| J598062 | | 8.8 | 139.0 | <0.002 | 0.01 | 0.39 | 5.0 | 1 | 2.4 | 30.1 | 1.27 | <0.05 | 15.9 | 0.064 | 0.61 | 3.8 |
| J598063 | | 7.0 | 138.0 | <0.002 | <0.01 | 0.31 | 5.0 | 1 | 2.3 | 29.0 | 1.29 | 0.15 | 14.8 | 0.064 | 0.58 | 3.6 |
| J598064 | | 6.9 | 153.0 | <0.002 | <0.01 | 0.40 | 4.8 | 1 | 2.0 | 27.0 | 1.46 | <0.05 | 15.8 | 0.060 | 0.59 | 4.0 |
| J598065 | | 8.0 | 135.0 | <0.002 | <0.01 | 0.35 | 4.5 | 1 | 2.5 | 27.3 | 1.65 | 0.05 | 17.5 | 0.058 | 0.61 | 4.2 |
| J598066 | | 9.2 | 133.0 | 0.003 | 0.02 | 0.44 | 4.1 | 1 | 1.8 | 30.4 | 1.25 | <0.05 | 15.9 | 0.058 | 0.63 | 3.6 |
| J598067 | | 10.9 | 126.0 | 0.003 | 0.08 | 0.43 | 3.9 | 1 | 1.7 | 25.6 | 1.14 | 0.06 | 17.1 | 0.055 | 0.68 | 3.9 |
| J598068 | | 7.6 | 135.5 | <0.002 | 0.03 | 0.44 | 4.9 | 1 | 1.7 | 34.1 | 1.26 | <0.05 | 15.1 | 0.061 | 0.65 | 3.8 |
| J598069 | | 7.0 | 132.0 | <0.002 | 0.03 | 0.44 | 4.4 | 2 | 1.8 | 29.5 | 1.16 | 0.08 | 15.7 | 0.059 | 0.63 | 3.8 |
| J598070 | | 7.3 | 133.5 | <0.002 | 0.06 | 0.47 | 4.6 | 1 | 1.9 | 29.5 | 1.33 | <0.05 | 15.7 | 0.056 | 0.66 | 3.7 |
| J598071 | | 7.2 | 127.5 | <0.002 | 0.05 | 0.44 | 4.5 | 1 | 1.9 | 28.6 | 1.46 | <0.05 | 17.1 | 0.055 | 0.63 | 3.5 |
| J598072 | | 7.6 | 130.0 | <0.002 | 0.10 | 0.60 | 4.8 | 1 | 2.0 | 33.4 | 1.24 | <0.05 | 14.7 | 0.062 | 0.66 | 3.9 |
| J598073 | | 8.5 | 147.5 | <0.002 | 0.06 | 0.67 | 3.7 | 1 | 1.9 | 32.7 | 1.46 | <0.05 | 19.2 | 0.054 | 0.76 | 4.9 |
| J598074 | | 7.3 | 151.5 | 0.002 | 0.02 | 0.74 | 3.4 | 1 | 1.8 | 34.7 | 1.30 | <0.05 | 19.9 | 0.058 | 0.71 | 4.8 |
| J598075 | | 11.7 | 59.8 | 0.002 | <0.01 | 0.21 | 5.1 | <1 | 1.7 | 179.0 | 0.43 | <0.05 | 5.4 | 0.112 | 0.38 | 1.9 |
| J598076 | | 6.3 | 140.0 | <0.002 | 0.04 | 0.80 | 3.3 | 1 | 1.9 | 37.8 | 1.30 | <0.05 | 19.7 | 0.053 | 0.65 | 5.4 |
| J598077 | | 5.7 | 148.5 | <0.002 | 0.05 | 0.93 | 3.5 | 1 | 2.1 | 41.2 | 1.24 | <0.05 | 18.7 | 0.058 | 0.64 | 4.8 |
| J598078 | | 6.7 | 139.5 | <0.002 | 0.02 | 0.95 | 3.4 | 1 | 2.0 | 43.3 | 1.31 | <0.05 | 18.1 | 0.057 | 0.65 | 4.5 |
| J598079 | | 17.0 | 129.5 | <0.002 | 0.22 | 1.35 | 3.4 | 2 | 2.3 | 41.9 | 1.27 | <0.05 | 17.7 | 0.059 | 0.52 | 4.6 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61<br>V<br>ppm<br>1 | ME-MS61<br>W<br>ppm<br>0.1 | ME-MS61<br>Y<br>ppm<br>0.1 | ME-MS61<br>Zn<br>ppm<br>2 | ME-MS61<br>Zr<br>ppm<br>0.5 |
|---|---|---|---|---|---|---|
| J598040 | | 1 | 1.8 | 31.7 | 26 | 199.5 |
| J598041 | | <1 | 1.9 | 30.8 | 26 | 207 |
| J598042 | | <1 | 1.5 | 29.0 | 21 | 198.5 |
| J598043 | | 1 | 2.2 | 26.2 | 54 | 194.5 |
| J598044 | | <1 | 1.7 | 22.3 | 22 | 187.5 |
| J598045 | | <1 | 1.9 | 24.0 | 21 | 189.5 |
| J598046 | | 1 | 1.3 | 26.4 | 22 | 195.0 |
| J598047 | | 1 | 1.5 | 23.1 | 21 | 201 |
| J598048 | | 1 | 2.1 | 18.5 | 25 | 188.5 |
| J598049 | | <1 | 1.9 | 22.8 | 23 | 192.5 |
| J598050 | | 31 | 0.2 | 4.9 | 39 | 47.1 |
| J598051 | | 1 | 1.8 | 19.3 | 13 | 199.0 |
| J598052 | | 1 | 2.4 | 22.5 | 27 | 198.0 |
| J598053 | | 1 | 3.5 | 17.0 | 65 | 194.0 |
| J598054 | | 1 | 2.5 | 19.6 | 19 | 197.5 |
| J598055 | | 1 | 2.6 | 21.7 | 28 | 208 |
| J598056 | | 1 | 2.1 | 25.4 | 39 | 211 |
| J598057 | | 1 | 2.1 | 24.0 | 32 | 216 |
| J598058 | | 1 | 1.9 | 23.0 | 16 | 223 |
| J598059 | | 1 | 1.8 | 18.0 | 21 | 193.5 |
| J598060 | | 1 | 2.0 | 22.4 | 22 | 174.0 |
| J598061 | | 1 | 2.0 | 24.7 | 27 | 196.5 |
| J598062 | | 1 | 2.0 | 20.9 | 32 | 204 |
| J598063 | | 1 | 2.0 | 20.4 | 20 | 202 |
| J598064 | | 1 | 2.0 | 24.0 | 20 | 215 |
| J598065 | | <1 | 2.0 | 25.3 | 21 | 203 |
| J598066 | | <1 | 1.8 | 18.6 | 21 | 180.5 |
| J598067 | | 1 | 2.2 | 15.9 | 38 | 178.5 |
| J598068 | | 1 | 2.0 | 20.5 | 19 | 194.5 |
| J598069 | | 1 | 1.6 | 19.2 | 20 | 173.0 |
| J598070 | | 1 | 1.7 | 19.4 | 15 | 182.0 |
| J598071 | | <1 | 1.9 | 19.1 | 14 | 196.5 |
| J598072 | | 1 | 2.0 | 18.3 | 14 | 200 |
| J598073 | | 1 | 1.7 | 23.2 | 13 | 170.5 |
| J598074 | | 2 | 1.5 | 19.0 | 16 | 124.5 |
| J598075 | | 14 | 0.9 | 15.3 | 42 | 27.4 |
| J598076 | | 2 | 1.8 | 19.0 | 14 | 147.0 |
| J598077 | | 2 | 2.0 | 18.4 | 13 | 146.0 |
| J598078 | | 2 | 2.1 | 16.7 | 15 | 137.5 |
| J598079 | | 2 | 2.6 | 14.6 | 30 | 133.0 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA23 Au g/t 0.005 | 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 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598080 | | 1.93 | 0.025 | 0.08 | 6.02 | 40.8 | 530 | 1.50 | 0.07 | 0.53 | 0.04 | 75.2 | 0.9 | 13 | 0.69 | 11.8 |
| J598081 | | 2.10 | 0.292 | 0.08 | 6.08 | 26.1 | 540 | 1.55 | 0.06 | 0.53 | 0.04 | 81.4 | 1.2 | 11 | 0.73 | 9.9 |
| J598082 | | 1.95 | 0.010 | 0.09 | 5.84 | 30.0 | 550 | 1.64 | 0.09 | 0.50 | 0.05 | 80.0 | 1.3 | 12 | 0.63 | 6.0 |
| J598083 | | 2.09 | <0.005 | 0.05 | 5.98 | 37.5 | 580 | 1.59 | 0.10 | 0.57 | 0.07 | 82.1 | 1.1 | 15 | 0.76 | 10.6 |
| J598084 | | 2.12 | 0.021 | 0.06 | 6.19 | 58.8 | 590 | 1.77 | 0.13 | 0.69 | 0.14 | 83.1 | 1.1 | 10 | 0.78 | 9.4 |
| J598085 | | 2.07 | 0.016 | 0.06 | 5.55 | 117.0 | 530 | 1.63 | 0.09 | 1.05 | 0.16 | 87.5 | 1.0 | 11 | 0.79 | 11.9 |
| J598086 | | 2.79 | 0.021 | 0.06 | 5.92 | 104.0 | 570 | 1.60 | 0.06 | 0.70 | 0.08 | 94.0 | 1.2 | 13 | 0.73 | 10.0 |
| J598087 | | 1.99 | 0.006 | 0.05 | 5.93 | 133.5 | 560 | 1.36 | 0.06 | 0.58 | 0.06 | 90.7 | 1.4 | 10 | 0.70 | 14.9 |
| J598088 | | 1.84 | 0.025 | 0.05 | 5.71 | 281 | 520 | 1.77 | 0.08 | 0.63 | 0.09 | 81.9 | 2.4 | 12 | 0.71 | 21.7 |
| J598089 | | 2.02 | 0.005 | 0.04 | 6.03 | 56.5 | 590 | 1.75 | 0.07 | 0.56 | 0.06 | 86.4 | 1.3 | 13 | 0.80 | 6.0 |
| J598090 | | 1.83 | <0.005 | 0.05 | 5.85 | 36.8 | 550 | 1.69 | 0.10 | 0.44 | 0.04 | 103.0 | 0.9 | 12 | 1.56 | 3.3 |
| J598091 | | 1.92 | <0.005 | 0.10 | 5.96 | 18.3 | 560 | 1.64 | 0.14 | 0.50 | 0.05 | 95.4 | 1.0 | 9 | 1.25 | 8.7 |
| J598092 | | 2.07 | <0.005 | 0.05 | 6.61 | 29.5 | 530 | 2.67 | 0.13 | 0.96 | 0.05 | 91.5 | 2.4 | 11 | 1.90 | 12.7 |
| J598093 | | 1.71 | <0.005 | 0.04 | 6.09 | 33.2 | 550 | 1.89 | 0.12 | 0.61 | 0.07 | 101.0 | 1.8 | 12 | 1.24 | 8.2 |
| J598094 | | 1.76 | <0.005 | 0.04 | 5.88 | 24.7 | 530 | 1.70 | 0.10 | 0.52 | 0.07 | 82.3 | 1.4 | 11 | 0.84 | 5.2 |
| J598095 | | 1.76 | <0.005 | 0.04 | 5.92 | 16.6 | 540 | 1.86 | 0.08 | 0.54 | 0.07 | 89.1 | 1.5 | 9 | 1.20 | 6.9 |
| J598096 | | 1.80 | <0.005 | 0.03 | 6.14 | 14.5 | 540 | 2.01 | 0.07 | 0.49 | 0.02 | 105.0 | 1.1 | 12 | 1.25 | 4.8 |
| J598097 | | 1.99 | <0.005 | 0.05 | 5.83 | 39.9 | 520 | 1.91 | 0.06 | 0.49 | 0.05 | 100.0 | 1.3 | 13 | 0.93 | 5.5 |
| J598098 | | 1.16 | 0.005 | 0.08 | 5.71 | 37.5 | 520 | 1.91 | 0.08 | 0.47 | 0.05 | 107.5 | 1.7 | 10 | 0.99 | 9.2 |
| J598099 | | 1.08 | 0.008 | 0.04 | 6.03 | 17.6 | 550 | 1.74 | 0.07 | 0.50 | 0.08 | 97.8 | 1.4 | 9 | 0.85 | 9.1 |
| J598100 | | 0.75 | 0.026 | 0.06 | 6.02 | 104.0 | 550 | 1.79 | 0.09 | 0.52 | 0.11 | 98.8 | 2.5 | 8 | 0.81 | 20.2 |
| J598101 | | 2.08 | 0.017 | 0.04 | 6.18 | 17.5 | 500 | 2.04 | 0.06 | 0.62 | 0.04 | 84.2 | 2.1 | 10 | 1.00 | 11.7 |
| J598102 | | 2.14 | <0.005 | 0.02 | 5.99 | 8.4 | 530 | 1.79 | 0.06 | 0.51 | <0.02 | 86.5 | 0.8 | 11 | 0.77 | 2.7 |
| J598103 | | 2.14 | <0.005 | 0.03 | 5.96 | 8.7 | 520 | 1.80 | 0.05 | 0.47 | 0.02 | 90.8 | 0.8 | 12 | 0.94 | 1.6 |
| J598104 | | 2.14 | 0.069 | 0.05 | 6.09 | 23.6 | 570 | 1.67 | 0.07 | 0.47 | 0.08 | 95.5 | 1.0 | 12 | 0.86 | 4.1 |
| J598105 | | 1.97 | <0.005 | 0.03 | 6.27 | 15.3 | 540 | 2.32 | 0.07 | 0.45 | 0.03 | 93.6 | 0.7 | 14 | 1.22 | 2.2 |
| J598106 | | 2.12 | <0.005 | 0.04 | 5.93 | 20.5 | 520 | 2.05 | 0.08 | 0.44 | 0.02 | 92.2 | 0.7 | 14 | 1.27 | 2.4 |
| J598107 | | 2.07 | <0.005 | 0.04 | 5.87 | 13.5 | 490 | 2.12 | 0.06 | 0.45 | 0.02 | 97.9 | 0.8 | 12 | 1.36 | 1.9 |
| J598108 | | 1.91 | 0.005 | 0.06 | 5.97 | 8.9 | 510 | 2.14 | 0.05 | 0.46 | 0.02 | 87.3 | 0.9 | 14 | 1.00 | 2.7 |
| J598109 | | 1.43 | 0.011 | 0.03 | 6.13 | 25.2 | 550 | 2.24 | 0.04 | 0.51 | 0.03 | 100.5 | 1.5 | 11 | 1.16 | 4.4 |
| J598110 | | 1.44 | 0.713 | 0.18 | 6.07 | 88.2 | 600 | 1.76 | 0.06 | 0.44 | 0.20 | 94.3 | 1.5 | 12 | 0.96 | 19.6 |
| J598111 | | 1.46 | 0.013 | 0.08 | 5.87 | 134.5 | 290 | 3.08 | 0.10 | 0.45 | 0.15 | 69.8 | 1.6 | 12 | 0.86 | 9.5 |
| J598112 | | 1.07 | <0.005 | 0.05 | 6.06 | 24.7 | 420 | 2.60 | 0.07 | 0.44 | 0.05 | 81.8 | 1.1 | 12 | 1.11 | 5.4 |
| J598113 | | 1.30 | <0.005 | 0.03 | 6.23 | 58.4 | 290 | 4.46 | 0.09 | 0.48 | 0.03 | 74.9 | 1.5 | 13 | 1.04 | 9.3 |
| J598114 | | 2.21 | 0.292 | 0.02 | 6.06 | 26.0 | 510 | 2.00 | 0.04 | 0.46 | <0.02 | 93.2 | 1.0 | 14 | 1.15 | 3.7 |
| J598115 | | 2.00 | 0.173 | 0.02 | 5.96 | 30.4 | 510 | 2.21 | 0.06 | 0.47 | 0.02 | 90.9 | 0.8 | 14 | 1.27 | 4.1 |
| J598116 | | 2.15 | 0.049 | 0.03 | 6.12 | 75.3 | 560 | 2.16 | 0.08 | 0.71 | 0.07 | 102.0 | 1.2 | 12 | 1.34 | 7.3 |
| J598117 | | 1.72 | 0.012 | 0.03 | 6.04 | 35.2 | 540 | 1.83 | 0.07 | 0.53 | 0.05 | 94.1 | 1.5 | 12 | 1.13 | 9.9 |
| J598118 | | 1.86 | 0.105 | 0.04 | 6.13 | 182.5 | 570 | 1.83 | 0.10 | 1.16 | 0.08 | 70.0 | 1.2 | 11 | 1.13 | 9.0 |
| J598119 | | 2.02 | 0.029 | 0.07 | 5.94 | 41.3 | 550 | 1.66 | 0.08 | 0.49 | 0.08 | 84.0 | 1.6 | 12 | 0.99 | 7.5 |

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

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Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | 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 | ME-MS61 P ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598080 | | 1.09 | 16.75 | 0.14 | 4.9 | 0.021 | 3.43 | 35.4 | 8.6 | 0.05 | 254 | 2.31 | 2.50 | 14.1 | 0.6 | 60 |
| J598081 | | 1.21 | 16.40 | 0.14 | 4.8 | 0.020 | 3.43 | 39.2 | 7.0 | 0.06 | 324 | 3.14 | 2.52 | 13.7 | 1.1 | 60 |
| J598082 | | 1.17 | 15.55 | 0.13 | 5.1 | 0.020 | 3.36 | 38.8 | 9.6 | 0.06 | 430 | 2.30 | 2.48 | 13.7 | 1.0 | 60 |
| J598083 | | 1.28 | 15.30 | 0.14 | 5.6 | 0.022 | 3.43 | 39.8 | 8.6 | 0.06 | 634 | 2.03 | 2.36 | 14.5 | 0.9 | 60 |
| J598084 | | 1.31 | 15.85 | 0.13 | 5.2 | 0.017 | 3.48 | 39.1 | 9.7 | 0.06 | 1080 | 1.78 | 2.30 | 14.0 | 0.5 | 70 |
| J598085 | | 1.14 | 15.05 | 0.13 | 4.4 | 0.022 | 3.17 | 37.9 | 10.2 | 0.05 | 821 | 1.64 | 1.97 | 13.3 | 0.4 | 60 |
| J598086 | | 1.14 | 15.75 | 0.15 | 4.8 | 0.023 | 3.40 | 43.4 | 9.5 | 0.06 | 564 | 2.13 | 2.43 | 14.1 | 0.6 | 60 |
| J598087 | | 1.11 | 15.55 | 0.12 | 4.8 | 0.015 | 3.41 | 40.8 | 7.8 | 0.05 | 462 | 1.86 | 2.35 | 13.6 | 0.5 | 60 |
| J598088 | | 1.21 | 15.65 | 0.11 | 4.4 | 0.019 | 2.85 | 39.6 | 9.3 | 0.06 | 586 | 1.39 | 2.58 | 13.5 | 0.5 | 60 |
| J598089 | | 1.13 | 16.05 | 0.13 | 4.9 | 0.017 | 3.47 | 44.2 | 7.7 | 0.06 | 612 | 2.22 | 2.42 | 12.5 | 0.6 | 70 |
| J598090 | | 1.09 | 15.70 | 0.13 | 5.0 | 0.026 | 3.36 | 49.3 | 5.6 | 0.06 | 298 | 2.57 | 2.49 | 13.0 | 0.5 | 70 |
| J598091 | | 1.19 | 15.75 | 0.24 | 5.2 | 0.034 | 3.45 | 45.3 | 5.7 | 0.06 | 429 | 2.86 | 2.53 | 12.8 | 2.1 | 60 |
| J598092 | | 1.49 | 20.3 | 0.25 | 5.4 | 0.091 | 3.16 | 40.6 | 9.6 | 0.09 | 1280 | 2.97 | 2.73 | 15.8 | 1.3 | 60 |
| J598093 | | 1.15 | 15.95 | 0.23 | 5.9 | 0.027 | 3.46 | 45.8 | 6.6 | 0.05 | 559 | 3.24 | 2.50 | 16.3 | 1.3 | 60 |
| J598094 | | 1.13 | 15.00 | 0.22 | 6.0 | 0.022 | 3.32 | 37.8 | 8.6 | 0.06 | 570 | 2.31 | 2.39 | 14.4 | 1.2 | 60 |
| J598095 | | 1.19 | 15.65 | 0.24 | 5.8 | 0.025 | 3.27 | 40.8 | 8.3 | 0.06 | 548 | 2.25 | 2.47 | 15.5 | 1.2 | 60 |
| J598096 | | 1.22 | 15.60 | 0.26 | 5.6 | 0.015 | 3.47 | 49.0 | 6.2 | 0.06 | 335 | 2.77 | 2.56 | 15.1 | 1.2 | 60 |
| J598097 | | 1.13 | 15.40 | 0.24 | 5.9 | 0.018 | 3.22 | 45.7 | 8.3 | 0.06 | 485 | 2.99 | 2.46 | 15.3 | 1.2 | 60 |
| J598098 | | 1.13 | 15.20 | 0.27 | 5.8 | 0.019 | 3.20 | 48.4 | 10.1 | 0.05 | 448 | 13.15 | 2.38 | 15.0 | 1.9 | 70 |
| J598099 | | 1.23 | 15.40 | 0.23 | 5.7 | 0.019 | 3.33 | 42.3 | 9.1 | 0.06 | 380 | 2.26 | 2.55 | 15.3 | 1.3 | 60 |
| J598100 | | 1.45 | 15.85 | 0.24 | 5.5 | 0.025 | 3.21 | 44.3 | 9.7 | 0.06 | 399 | 2.25 | 2.55 | 15.2 | 2.5 | 60 |
| J598101 | | 1.36 | 17.30 | 0.21 | 5.8 | 0.032 | 3.11 | 38.0 | 7.6 | 0.07 | 442 | 3.32 | 2.67 | 15.1 | 1.3 | 60 |
| J598102 | | 1.10 | 14.90 | 0.23 | 5.6 | 0.018 | 3.44 | 41.2 | 5.9 | 0.06 | 259 | 2.39 | 2.51 | 14.1 | 1.3 | 60 |
| J598103 | | 1.08 | 15.00 | 0.24 | 5.5 | 0.022 | 3.36 | 44.3 | 4.7 | 0.06 | 201 | 2.75 | 2.55 | 13.4 | 1.2 | 70 |
| J598104 | | 1.12 | 15.75 | 0.23 | 6.1 | 0.022 | 3.55 | 43.0 | 9.5 | 0.06 | 208 | 2.72 | 2.62 | 15.3 | 1.3 | 70 |
| J598105 | | 1.15 | 16.60 | 0.19 | 6.4 | 0.029 | 3.54 | 44.0 | 5.3 | 0.06 | 219 | 2.12 | 2.69 | 17.3 | 2.4 | 70 |
| J598106 | | 1.03 | 15.35 | 0.23 | 6.2 | 0.021 | 3.36 | 42.2 | 4.5 | 0.06 | 218 | 2.95 | 2.63 | 15.8 | 1.4 | 70 |
| J598107 | | 0.99 | 15.95 | 0.23 | 6.1 | 0.020 | 3.37 | 44.3 | 4.9 | 0.06 | 205 | 2.66 | 2.57 | 15.7 | 1.6 | 60 |
| J598108 | | 1.21 | 15.25 | 0.22 | 5.0 | 0.019 | 3.34 | 41.4 | 4.9 | 0.06 | 234 | 1.66 | 2.56 | 14.7 | 1.3 | 60 |
| J598109 | | 1.26 | 15.50 | 0.26 | 5.2 | 0.016 | 3.40 | 46.5 | 7.1 | 0.06 | 389 | 1.91 | 2.55 | 15.1 | 1.3 | 70 |
| J598110 | | 1.03 | 15.95 | 0.26 | 5.5 | 0.019 | 3.35 | 46.1 | 12.4 | 0.05 | 330 | 1.56 | 2.54 | 15.3 | 1.8 | 60 |
| J598111 | | 0.94 | 20.1 | 0.22 | 9.9 | 0.016 | 3.10 | 25.4 | 5.6 | 0.02 | 360 | 1.33 | 2.93 | 37.4 | 1.4 | 10 |
| J598112 | | 1.08 | 17.65 | 0.22 | 7.0 | 0.022 | 3.49 | 36.1 | 5.0 | 0.04 | 307 | 1.94 | 2.66 | 23.0 | 1.2 | 40 |
| J598113 | | 0.94 | 19.15 | 0.26 | 8.9 | 0.014 | 3.27 | 29.4 | 3.7 | 0.03 | 286 | 2.12 | 2.90 | 32.9 | 1.4 | 20 |
| J598114 | | 1.24 | 15.50 | 0.24 | 5.2 | 0.018 | 3.49 | 46.0 | 5.3 | 0.06 | 301 | 2.70 | 2.50 | 13.8 | 1.8 | 60 |
| J598115 | | 1.20 | 15.00 | 0.25 | 5.8 | 0.015 | 3.43 | 42.5 | 5.9 | 0.06 | 355 | 2.53 | 2.53 | 15.3 | 1.2 | 60 |
| J598116 | | 1.27 | 16.45 | 0.24 | 5.8 | 0.016 | 3.26 | 44.3 | 12.1 | 0.07 | 664 | 2.83 | 2.48 | 16.5 | 1.7 | 60 |
| J598117 | | 1.24 | 15.05 | 0.22 | 5.3 | 0.010 | 3.37 | 43.7 | 9.7 | 0.06 | 447 | 2.64 | 2.48 | 14.8 | 1.7 | 60 |
| J598118 | | 1.18 | 16.95 | 0.20 | 5.8 | 0.020 | 3.53 | 29.1 | 12.5 | 0.06 | 765 | 1.90 | 2.44 | 16.2 | 1.2 | 60 |
| J598119 | | 1.21 | 15.45 | 0.19 | 5.5 | 0.013 | 3.32 | 41.7 | 9.5 | 0.06 | 354 | 2.42 | 2.59 | 14.5 | 1.6 | 60 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | 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 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598080 | | 8.8 | 130.0 | <0.002 | 0.11 | 0.92 | 3.9 | 1 | 2.7 | 47.8 | 1.30 | <0.05 | 17.2 | 0.065 | 0.53 | 4.4 |
| J598081 | | 9.6 | 132.0 | <0.002 | 0.08 | 0.86 | 3.6 | 1 | 2.2 | 52.0 | 1.29 | 0.18 | 17.6 | 0.063 | 0.58 | 4.4 |
| J598082 | | 14.8 | 129.5 | <0.002 | 0.09 | 1.07 | 3.6 | 1 | 2.4 | 38.2 | 1.34 | <0.05 | 18.2 | 0.065 | 0.72 | 4.9 |
| J598083 | | 13.5 | 134.5 | 0.002 | 0.09 | 0.92 | 3.5 | 1 | 2.7 | 40.6 | 1.48 | <0.05 | 19.7 | 0.066 | 0.66 | 5.0 |
| J598084 | | 12.3 | 137.0 | <0.002 | 0.12 | 0.85 | 3.7 | 1 | 2.6 | 45.7 | 1.32 | <0.05 | 19.2 | 0.066 | 0.69 | 4.9 |
| J598085 | | 11.5 | 141.5 | <0.002 | 0.13 | 0.86 | 3.5 | 1 | 3.7 | 47.3 | 1.22 | <0.05 | 16.0 | 0.063 | 0.62 | 3.7 |
| J598086 | | 9.4 | 127.5 | <0.002 | 0.09 | 0.75 | 3.6 | 2 | 2.4 | 51.0 | 1.33 | <0.05 | 18.3 | 0.069 | 0.59 | 4.6 |
| J598087 | | 8.4 | 133.5 | 0.002 | 0.07 | 0.62 | 3.6 | 1 | 2.2 | 50.7 | 1.24 | <0.05 | 17.6 | 0.062 | 0.64 | 4.6 |
| J598088 | | 10.7 | 120.5 | <0.002 | 0.11 | 0.74 | 3.4 | 1 | 3.0 | 47.9 | 1.14 | <0.05 | 17.4 | 0.067 | 0.54 | 4.2 |
| J598089 | | 9.0 | 137.0 | <0.002 | 0.05 | 0.57 | 3.8 | 1 | 2.5 | 50.0 | 1.08 | <0.05 | 17.1 | 0.065 | 0.63 | 4.2 |
| J598090 | | 8.7 | 137.5 | <0.002 | 0.02 | 0.65 | 3.6 | 1 | 2.4 | 45.0 | 1.08 | <0.05 | 17.3 | 0.072 | 0.63 | 3.6 |
| J598091 | | 8.6 | 145.0 | <0.002 | 0.03 | 0.77 | 3.6 | 1 | 2.8 | 49.6 | 1.08 | <0.05 | 17.3 | 0.069 | 0.71 | 5.1 |
| J598092 | | 8.0 | 153.5 | <0.002 | 0.09 | 0.70 | 4.9 | 1 | 7.5 | 48.4 | 1.32 | <0.05 | 18.0 | 0.072 | 0.76 | 5.4 |
| J598093 | | 8.1 | 153.0 | <0.002 | 0.05 | 0.62 | 3.5 | 1 | 2.7 | 52.6 | 1.52 | <0.05 | 20.1 | 0.069 | 0.80 | 5.8 |
| J598094 | | 8.9 | 135.5 | <0.002 | 0.05 | 0.41 | 3.5 | 1 | 2.0 | 42.7 | 1.47 | <0.05 | 18.7 | 0.064 | 0.76 | 6.0 |
| J598095 | | 15.8 | 146.0 | 0.003 | 0.05 | 0.53 | 3.7 | <1 | 2.5 | 45.2 | 1.35 | <0.05 | 17.7 | 0.071 | 0.75 | 5.5 |
| J598096 | | 8.0 | 160.0 | 0.003 | 0.02 | 0.64 | 3.7 | 1 | 2.2 | 46.2 | 1.30 | <0.05 | 19.2 | 0.069 | 0.79 | 5.3 |
| J598097 | | 20.1 | 141.0 | <0.002 | 0.05 | 0.70 | 3.7 | <1 | 2.1 | 49.0 | 1.34 | <0.05 | 19.2 | 0.065 | 0.69 | 5.6 |
| J598098 | | 12.9 | 135.0 | 0.004 | 0.09 | 0.78 | 3.5 | 1 | 2.3 | 48.1 | 1.30 | <0.05 | 19.3 | 0.067 | 0.65 | 5.3 |
| J598099 | | 23.7 | 135.5 | 0.002 | 0.13 | 0.74 | 3.6 | 1 | 2.4 | 43.9 | 1.47 | 0.06 | 19.8 | 0.071 | 0.69 | 5.5 |
| J598100 | | 38.9 | 140.0 | 0.002 | 0.24 | 1.91 | 3.5 | 1 | 2.5 | 45.2 | 1.36 | 0.08 | 19.3 | 0.070 | 0.65 | 5.4 |
| J598101 | | 12.1 | 133.5 | 0.002 | 0.13 | 0.66 | 3.6 | 1 | 3.0 | 48.7 | 1.29 | 0.05 | 18.5 | 0.067 | 0.62 | 5.4 |
| J598102 | | 5.5 | 141.5 | 0.003 | 0.02 | 0.60 | 3.5 | 1 | 2.1 | 41.3 | 1.30 | <0.05 | 17.9 | 0.064 | 0.69 | 6.0 |
| J598103 | | 7.4 | 141.0 | 0.002 | 0.01 | 0.62 | 3.5 | <1 | 1.9 | 50.8 | 1.15 | <0.05 | 17.8 | 0.064 | 0.65 | 4.3 |
| J598104 | | 28.7 | 150.0 | 0.002 | 0.13 | 0.65 | 3.7 | 1 | 2.5 | 40.4 | 1.38 | <0.05 | 20.0 | 0.070 | 0.74 | 5.5 |
| J598105 | | 8.8 | 161.5 | <0.002 | 0.01 | 0.76 | 3.8 | 1 | 2.3 | 47.0 | 1.55 | <0.05 | 22.4 | 0.069 | 0.80 | 6.4 |
| J598106 | | 6.7 | 146.0 | 0.002 | 0.01 | 0.78 | 3.4 | 1 | 2.1 | 53.3 | 1.46 | <0.05 | 19.8 | 0.064 | 0.72 | 5.9 |
| J598107 | | 7.1 | 150.5 | <0.002 | 0.01 | 0.77 | 3.5 | 1 | 2.1 | 56.6 | 1.32 | <0.05 | 19.2 | 0.065 | 0.67 | 5.4 |
| J598108 | | 6.6 | 153.0 | <0.002 | 0.01 | 0.58 | 3.5 | 1 | 2.0 | 44.0 | 1.22 | <0.05 | 18.1 | 0.066 | 0.69 | 5.9 |
| J598109 | | 7.7 | 153.5 | 0.002 | 0.05 | 0.54 | 3.6 | <1 | 2.2 | 48.1 | 1.36 | <0.05 | 19.6 | 0.072 | 0.74 | 5.3 |
| J598110 | | 50.8 | 153.5 | 0.003 | 0.12 | 1.10 | 3.8 | 1 | 2.5 | 47.6 | 1.35 | <0.05 | 20.0 | 0.066 | 0.67 | 5.7 |
| J598111 | | 13.0 | 144.0 | 0.002 | 0.13 | 0.97 | 3.1 | 2 | 2.4 | 39.6 | 3.91 | <0.05 | 43.5 | 0.033 | 0.70 | 13.1 |
| J598112 | | 11.0 | 157.5 | 0.003 | 0.06 | 0.65 | 3.6 | 1 | 2.0 | 41.1 | 2.37 | <0.05 | 28.4 | 0.057 | 0.76 | 10.1 |
| J598113 | | 10.2 | 157.5 | <0.002 | 0.07 | 0.80 | 3.3 | 2 | 2.0 | 33.5 | 3.50 | <0.05 | 41.2 | 0.041 | 0.71 | 13.0 |
| J598114 | | 7.3 | 158.0 | 0.003 | 0.02 | 0.69 | 3.5 | 1 | 1.9 | 46.9 | 1.19 | <0.05 | 18.4 | 0.067 | 0.75 | 4.9 |
| J598115 | | 7.0 | 145.5 | 0.002 | 0.04 | 0.63 | 3.4 | 1 | 1.8 | 47.1 | 1.40 | <0.05 | 19.0 | 0.068 | 0.69 | 5.5 |
| J598116 | | 14.4 | 143.0 | 0.002 | 0.10 | 0.77 | 3.8 | 1 | 3.1 | 49.4 | 1.42 | <0.05 | 20.2 | 0.071 | 0.67 | 5.8 |
| J598117 | | 17.4 | 137.5 | 0.002 | 0.10 | 0.79 | 3.6 | 1 | 2.0 | 50.7 | 1.37 | <0.05 | 19.5 | 0.068 | 0.68 | 5.5 |
| J598118 | | 29.7 | 144.0 | <0.002 | 0.17 | 0.91 | 3.7 | 1 | 3.4 | 46.5 | 1.36 | <0.05 | 15.9 | 0.073 | 0.68 | 4.5 |
| J598119 | | 28.1 | 137.0 | 0.003 | 0.13 | 0.84 | 3.6 | 1 | 1.9 | 42.9 | 1.31 | <0.05 | 18.5 | 0.070 | 0.66 | 5.3 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61<br>V<br>ppm<br>1 | ME-MS61<br>W<br>ppm<br>0.1 | ME-MS61<br>Y<br>ppm<br>0.1 | ME-MS61<br>Zn<br>ppm<br>2 | ME-MS61<br>Zr<br>ppm<br>0.5 |
|---|---|---|---|---|---|---|
| J598080 | | 3 | 2.6 | 15.0 | 17 | 144.5 |
| J598081 | | 3 | 2.3 | 14.6 | 24 | 133.0 |
| J598082 | | 3 | 2.7 | 14.2 | 46 | 141.5 |
| J598083 | | 3 | 2.1 | 17.5 | 68 | 142.0 |
| J598084 | | 3 | 2.3 | 19.9 | 93 | 148.0 |
| J598085 | | 3 | 2.4 | 17.7 | 88 | 120.5 |
| J598086 | | 3 | 2.0 | 17.5 | 59 | 131.0 |
| J598087 | | 3 | 2.0 | 15.2 | 29 | 137.0 |
| J598088 | | 3 | 2.0 | 18.4 | 55 | 132.0 |
| J598089 | | 3 | 2.2 | 16.7 | 57 | 144.5 |
| J598090 | | 3 | 2.1 | 17.7 | 30 | 142.0 |
| J598091 | | 3 | 2.2 | 18.3 | 33 | 137.5 |
| J598092 | | 5 | 3.2 | 25.8 | 68 | 146.5 |
| J598093 | | 3 | 2.2 | 24.2 | 49 | 149.5 |
| J598094 | | 3 | 2.2 | 17.8 | 70 | 150.0 |
| J598095 | | 3 | 1.7 | 21.3 | 56 | 156.0 |
| J598096 | | 3 | 1.5 | 19.4 | 20 | 150.5 |
| J598097 | | 3 | 1.7 | 21.4 | 34 | 162.5 |
| J598098 | | 3 | 1.7 | 19.9 | 33 | 146.5 |
| J598099 | | 3 | 1.8 | 20.4 | 53 | 142.5 |
| J598100 | | 3 | 1.9 | 20.0 | 60 | 140.5 |
| J598101 | | 4 | 1.9 | 20.5 | 29 | 155.5 |
| J598102 | | 3 | 1.9 | 14.7 | 16 | 149.0 |
| J598103 | | 3 | 1.8 | 16.4 | 13 | 150.5 |
| J598104 | | 3 | 2.1 | 17.2 | 33 | 157.5 |
| J598105 | | 3 | 2.3 | 22.5 | 20 | 162.5 |
| J598106 | | 3 | 3.6 | 19.3 | 16 | 156.5 |
| J598107 | | 3 | 2.3 | 19.9 | 16 | 166.5 |
| J598108 | | 3 | 1.9 | 17.9 | 13 | 145.0 |
| J598109 | | 3 | 2.2 | 20.5 | 21 | 134.0 |
| J598110 | | 3 | 2.8 | 16.5 | 97 | 145.0 |
| J598111 | | 1 | 2.5 | 43.2 | 76 | 190.0 |
| J598112 | | 3 | 2.2 | 32.6 | 29 | 159.5 |
| J598113 | | 1 | 2.4 | 47.2 | 17 | 167.0 |
| J598114 | | 3 | 1.9 | 21.2 | 16 | 140.0 |
| J598115 | | 3 | 1.8 | 21.4 | 14 | 149.5 |
| J598116 | | 3 | 1.8 | 26.3 | 43 | 159.5 |
| J598117 | | 3 | 1.5 | 21.2 | 32 | 137.5 |
| J598118 | | 3 | 2.7 | 18.0 | 41 | 145.5 |
| J598119 | | 3 | 1.8 | 18.6 | 45 | 150.0 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | WEI-21 Recvd Wt. kg 0.02 | Au-AA23 Au g/t 0.005 | 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 | ME-MS61 Cu ppm 0.2 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598120 | | 1.79 | <0.005 | 0.04 | 6.27 | 22.1 | 550 | 2.07 | 0.05 | 0.61 | 0.02 | 106.5 | 1.8 | 13 | 1.35 | 4.3 |
| J598121 | | 1.70 | <0.005 | 0.04 | 6.07 | 18.9 | 540 | 2.11 | 0.05 | 0.43 | 0.02 | 88.9 | 1.6 | 13 | 1.21 | 4.4 |
| J598122 | | 1.08 | <0.005 | 0.02 | 5.74 | 18.8 | 480 | 1.75 | 0.05 | 0.43 | <0.02 | 85.8 | 1.5 | 12 | 1.04 | 2.0 |
| J598123 | | 1.27 | 0.011 | 0.03 | 5.92 | 24.7 | 530 | 1.98 | 0.04 | 0.48 | 0.02 | 88.6 | 1.8 | 12 | 0.97 | 3.3 |
| J598124 | | 1.45 | 0.129 | 0.07 | 5.99 | 446 | 570 | 1.58 | 0.09 | 0.82 | 0.04 | 82.6 | 1.3 | 12 | 0.90 | 7.2 |
| J598125 | | 0.03 | 1.320 | 0.77 | 8.53 | 4.9 | 90 | 2.54 | 0.63 | 0.96 | 0.14 | 16.75 | 8.4 | 29 | 21.6 | 12.4 |
| J598126 | | 0.93 | 0.150 | 0.12 | 5.67 | 146.5 | 580 | 2.54 | 0.10 | 3.17 | 0.07 | 59.1 | 1.2 | 9 | 1.41 | 18.8 |
| J598127 | | 1.23 | 0.062 | 0.07 | 5.88 | 99.8 | 430 | 1.95 | 0.08 | 2.10 | 0.03 | 82.7 | 1.2 | 10 | 1.23 | 12.6 |
| J598128 | | 1.53 | 0.016 | 0.09 | 6.38 | 251 | 740 | 1.83 | 0.20 | 0.80 | 0.03 | 89.5 | 2.0 | 9 | 0.91 | 7.3 |
| J598129 | | 2.25 | <0.005 | 0.06 | 6.08 | 54.1 | 550 | 1.40 | 0.06 | 0.52 | 0.04 | 96.9 | 2.2 | 14 | 0.80 | 4.1 |
| J598130 | | 2.21 | <0.005 | 0.04 | 5.90 | 136.5 | 540 | 1.84 | 0.04 | 0.49 | <0.02 | 80.2 | 3.3 | 14 | 0.81 | 3.8 |
| J598131 | | 2.18 | 0.073 | 0.03 | 6.20 | 166.0 | 610 | 1.96 | 0.07 | 0.53 | 0.06 | 102.0 | 2.0 | 14 | 0.93 | 7.2 |
| J598132 | | 1.87 | 1.690 | 0.09 | 6.14 | 523 | 560 | 2.12 | 0.13 | 0.52 | 0.10 | 106.0 | 1.5 | 9 | 0.61 | 5.6 |
| J598133 | | 2.01 | 0.010 | 0.05 | 6.09 | 34.2 | 550 | 1.48 | 0.06 | 0.49 | 0.04 | 85.7 | 1.4 | 12 | 0.55 | 4.6 |
| J598134 | | 2.25 | 0.013 | 0.12 | 6.11 | 58.2 | 550 | 1.84 | 0.04 | 0.52 | <0.02 | 99.1 | 1.9 | 11 | 0.56 | 3.4 |
| J598135 | | 2.04 | 0.010 | 0.04 | 6.41 | 28.5 | 580 | 1.78 | 0.03 | 0.55 | 0.02 | 88.5 | 2.1 | 12 | 0.68 | 3.7 |
| J598136 | | 1.99 | 0.007 | 0.04 | 6.13 | 38.4 | 610 | 2.01 | 0.04 | 0.64 | <0.02 | 94.5 | 1.4 | 10 | 0.85 | 3.5 |
| J598137 | | 1.81 | <0.005 | 0.01 | 6.20 | 10.6 | 610 | 2.01 | 0.03 | 0.55 | <0.02 | 94.2 | 2.5 | 13 | 0.94 | 2.1 |
| J598138 | | 1.97 | 0.014 | 0.14 | 6.42 | 31.9 | 660 | 2.06 | 0.04 | 0.60 | 0.04 | 106.5 | 3.2 | 11 | 0.76 | 2.5 |
| J598139 | | 1.94 | 0.025 | 0.03 | 6.27 | 37.8 | 680 | 1.89 | 0.05 | 0.57 | 0.05 | 83.9 | 3.0 | 15 | 0.63 | 3.2 |
| J598140 | | 1.88 | 0.022 | 0.03 | 6.44 | 125.5 | 700 | 2.03 | 0.03 | 0.60 | <0.02 | 88.6 | 2.6 | 10 | 0.69 | 2.7 |
| J598141 | | 1.83 | 0.009 | 0.03 | 6.43 | 8.6 | 690 | 2.18 | 0.03 | 0.61 | <0.02 | 98.6 | 2.5 | 13 | 0.75 | 3.2 |
| J598142 | | 1.94 | 0.007 | 0.01 | 6.19 | 11.1 | 660 | 1.96 | 0.03 | 0.60 | <0.02 | 93.5 | 2.1 | 9 | 0.84 | 2.2 |
| J598143 | | 1.99 | 0.007 | 0.02 | 6.28 | 39.1 | 740 | 1.54 | 0.03 | 0.57 | 0.02 | 93.0 | 3.2 | 12 | 0.80 | 5.7 |
| J598144 | | 1.81 | 0.328 | 0.07 | 6.17 | 187.0 | 750 | 1.48 | 0.05 | 0.54 | 0.04 | 97.4 | 3.0 | 10 | 0.87 | 4.4 |
| J598145 | | 1.88 | 0.163 | 0.04 | 6.33 | 78.5 | 710 | 1.87 | 0.05 | 0.61 | 0.03 | 93.1 | 2.8 | 13 | 0.90 | 6.7 |
| J598146 | | 1.78 | 0.102 | 0.04 | 6.15 | 88.2 | 730 | 1.51 | 0.07 | 0.61 | 0.05 | 92.8 | 2.6 | 9 | 0.83 | 6.4 |
| J598147 | | 2.08 | 0.077 | 0.03 | 6.27 | 75.5 | 800 | 1.30 | 0.05 | 0.62 | 0.03 | 89.4 | 2.5 | 15 | 0.78 | 5.9 |
| J598148 | | 2.09 | 0.009 | 0.03 | 6.29 | 163.5 | 810 | 2.33 | 0.04 | 0.68 | <0.02 | 100.5 | 2.5 | 9 | 1.12 | 3.7 |
| J598149 | | 2.16 | <0.005 | 0.02 | 6.27 | 18.5 | 690 | 1.81 | 0.03 | 0.62 | <0.02 | 91.7 | 2.4 | 14 | 1.08 | 3.0 |
| J598150 | | 0.03 | 3.47 | 0.14 | 1.58 | 1.5 | 110 | 0.38 | 0.16 | 0.01 | 0.13 | 18.00 | 1.0 | 12 | 0.58 | 6.0 |
| J598151 | | 2.13 | <0.005 | 0.05 | 6.35 | 24.4 | 700 | 1.63 | 0.02 | 0.65 | <0.02 | 103.5 | 2.0 | 11 | 1.09 | 2.9 |
| J598152 | | 2.11 | 0.115 | 0.06 | 6.36 | 148.5 | 720 | 1.61 | 0.03 | 0.63 | 0.02 | 92.0 | 3.0 | 15 | 0.96 | 7.0 |
| J598153 | | 2.14 | 0.089 | 0.16 | 6.28 | 269 | 690 | 1.40 | 0.04 | 0.56 | 0.02 | 88.0 | 2.6 | 10 | 0.89 | 4.7 |
| J598154 | | 2.15 | 0.043 | 0.05 | 6.43 | 399 | 660 | 1.81 | 0.03 | 0.60 | 0.02 | 94.9 | 2.6 | 13 | 0.93 | 5.3 |
| J598155 | | 1.53 | 0.087 | 0.04 | 6.22 | 93.5 | 640 | 1.67 | 0.04 | 0.49 | <0.02 | 87.8 | 1.6 | 10 | 1.10 | 3.9 |
| J598156 | | 1.44 | 0.229 | 0.06 | 6.44 | 591 | 690 | 2.03 | 0.06 | 0.40 | <0.02 | 103.0 | 2.9 | 9 | 1.17 | 2.3 |
| J598157 | | 1.37 | 0.125 | 0.05 | 6.30 | 183.0 | 730 | 1.47 | 0.08 | 0.66 | 0.02 | 99.9 | 2.6 | 10 | 1.09 | 7.5 |
| J598158 | | 1.21 | 0.189 | 0.08 | 6.30 | 171.5 | 670 | 1.73 | 0.09 | 0.56 | 0.02 | 94.2 | 3.0 | 11 | 1.13 | 6.1 |
| J598159 | | 1.44 | 0.211 | 0.08 | 6.17 | 110.5 | 660 | 1.53 | 0.04 | 0.64 | 0.11 | 88.7 | 2.1 | 13 | 1.01 | 5.5 |

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

ALS Canada Ltd.
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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | 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 | ME-MS61 P ppm 10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598120 | | 1.30 | 16.65 | 0.22 | 5.8 | 0.015 | 3.48 | 49.9 | 6.5 | 0.07 | 253 | 5.05 | 2.64 | 14.7 | 1.9 | 60 |
| J598121 | | 1.20 | 16.40 | 0.24 | 5.4 | 0.013 | 3.38 | 41.2 | 6.1 | 0.06 | 225 | 5.40 | 2.58 | 14.7 | 1.9 | 60 |
| J598122 | | 1.21 | 14.75 | 0.24 | 4.7 | 0.011 | 3.17 | 40.7 | 4.5 | 0.06 | 182 | 18.00 | 2.50 | 13.1 | 1.7 | 60 |
| J598123 | | 1.23 | 15.35 | 0.20 | 5.8 | 0.008 | 3.39 | 42.9 | 5.0 | 0.06 | 225 | 2.51 | 2.52 | 14.6 | 1.6 | 60 |
| J598124 | | 1.21 | 15.35 | 0.20 | 5.8 | 0.012 | 3.32 | 37.7 | 9.4 | 0.06 | 597 | 1.78 | 2.26 | 14.7 | 1.6 | 70 |
| J598125 | | 4.17 | 19.70 | 0.14 | 1.4 | 0.015 | 2.57 | 8.1 | 5.5 | 0.91 | 242 | 1.08 | 5.01 | 9.2 | 33.3 | 680 |
| J598126 | | 1.59 | 25.5 | 0.18 | 6.4 | 0.044 | 3.33 | 20.5 | 14.2 | 0.09 | 2520 | 1.31 | 2.15 | 18.1 | 1.9 | 80 |
| J598127 | | 1.34 | 19.20 | 0.19 | 4.5 | 0.014 | 2.68 | 36.1 | 8.1 | 0.09 | 1400 | 0.71 | 1.89 | 13.4 | 1.8 | 70 |
| J598128 | | 1.19 | 15.45 | 0.21 | 5.1 | <0.005 | 4.05 | 43.9 | 8.9 | 0.06 | 1070 | 1.19 | 2.26 | 12.6 | 2.3 | 60 |
| J598129 | | 1.23 | 15.85 | 0.20 | 4.8 | <0.005 | 3.50 | 47.9 | 5.6 | 0.06 | 273 | 1.67 | 2.50 | 14.3 | 1.7 | 70 |
| J598130 | | 1.16 | 15.05 | 0.21 | 4.7 | <0.005 | 3.47 | 38.4 | 4.0 | 0.06 | 248 | 1.78 | 2.45 | 13.6 | 1.5 | 60 |
| J598131 | | 1.31 | 16.20 | 0.23 | 5.1 | 0.006 | 3.59 | 52.5 | 7.5 | 0.07 | 295 | 1.94 | 2.53 | 13.3 | 1.9 | 80 |
| J598132 | | 1.18 | 16.45 | 0.23 | 5.4 | 0.012 | 3.41 | 52.8 | 8.4 | 0.06 | 291 | 1.84 | 2.56 | 15.3 | 1.1 | 60 |
| J598133 | | 1.17 | 15.85 | 0.21 | 5.1 | 0.005 | 3.46 | 43.5 | 7.5 | 0.06 | 235 | 1.78 | 2.52 | 14.2 | 1.3 | 60 |
| J598134 | | 1.25 | 15.25 | 0.18 | 5.2 | 0.005 | 3.45 | 51.8 | 7.2 | 0.06 | 195 | 1.35 | 2.51 | 12.9 | 1.6 | 60 |
| J598135 | | 1.39 | 16.65 | 0.22 | 5.4 | 0.009 | 3.63 | 44.3 | 7.7 | 0.07 | 208 | 1.52 | 2.63 | 14.6 | 1.9 | 70 |
| J598136 | | 1.14 | 15.25 | 0.21 | 4.9 | 0.006 | 3.54 | 48.0 | 4.4 | 0.07 | 169 | 1.40 | 2.50 | 13.2 | 1.5 | 70 |
| J598137 | | 1.31 | 16.25 | 0.23 | 5.0 | <0.005 | 3.48 | 46.3 | 4.2 | 0.07 | 149 | 1.43 | 2.56 | 13.8 | 2.1 | 60 |
| J598138 | | 1.28 | 17.35 | 0.19 | 5.2 | 0.008 | 3.54 | 52.2 | 7.5 | 0.07 | 161 | 1.32 | 2.66 | 14.4 | 1.4 | 80 |
| J598139 | | 1.33 | 16.10 | 0.18 | 5.3 | <0.005 | 3.63 | 41.1 | 9.0 | 0.07 | 157 | 1.50 | 2.49 | 14.0 | 1.6 | 60 |
| J598140 | | 1.28 | 16.30 | 0.21 | 5.5 | <0.005 | 3.70 | 42.0 | 7.4 | 0.07 | 165 | 1.32 | 2.56 | 13.8 | 1.0 | 80 |
| J598141 | | 1.39 | 16.50 | 0.20 | 5.6 | <0.005 | 3.70 | 47.9 | 5.0 | 0.07 | 163 | 1.90 | 2.55 | 14.6 | 1.9 | 70 |
| J598142 | | 1.20 | 15.80 | 0.22 | 5.4 | 0.005 | 3.50 | 46.8 | 4.3 | 0.07 | 142 | 1.53 | 2.49 | 14.2 | 1.0 | 60 |
| J598143 | | 1.35 | 16.60 | 0.20 | 5.1 | <0.005 | 3.73 | 45.9 | 5.8 | 0.06 | 185 | 2.09 | 2.41 | 14.3 | 1.9 | 70 |
| J598144 | | 1.26 | 15.35 | 0.21 | 5.1 | 0.005 | 3.81 | 50.9 | 10.5 | 0.06 | 163 | 1.90 | 2.24 | 14.1 | 1.4 | 70 |
| J598145 | | 1.42 | 16.45 | 0.20 | 5.7 | <0.005 | 3.68 | 48.2 | 11.1 | 0.07 | 174 | 2.41 | 2.47 | 15.1 | 2.1 | 60 |
| J598146 | | 1.28 | 15.65 | 0.21 | 5.1 | 0.005 | 3.51 | 46.5 | 13.0 | 0.07 | 151 | 1.61 | 2.39 | 13.8 | 1.3 | 60 |
| J598147 | | 1.48 | 15.30 | 0.19 | 4.9 | <0.005 | 3.82 | 43.7 | 10.2 | 0.06 | 176 | 4.47 | 2.36 | 13.8 | 2.5 | 70 |
| J598148 | | 1.31 | 16.60 | 0.21 | 5.0 | 0.007 | 3.47 | 49.4 | 5.0 | 0.07 | 157 | 2.41 | 2.48 | 15.0 | 1.3 | 70 |
| J598149 | | 1.37 | 15.80 | 0.21 | 5.2 | <0.005 | 3.53 | 46.8 | 3.7 | 0.06 | 151 | 3.31 | 2.53 | 14.6 | 2.0 | 60 |
| J598150 | | 1.43 | 3.68 | 0.15 | 0.6 | 0.008 | 0.16 | 9.9 | 15.6 | 0.02 | 104 | 0.77 | 0.02 | 3.5 | 5.8 | 60 |
| J598151 | | 1.26 | 16.00 | 0.21 | 5.1 | <0.005 | 3.66 | 52.9 | 4.8 | 0.07 | 142 | 1.97 | 2.49 | 14.0 | 1.2 | 70 |
| J598152 | | 1.47 | 16.55 | 0.19 | 4.8 | <0.005 | 3.68 | 45.7 | 11.4 | 0.07 | 169 | 2.65 | 2.41 | 13.9 | 3.3 | 70 |
| J598153 | | 1.30 | 15.40 | 0.19 | 5.0 | <0.005 | 3.63 | 43.4 | 9.6 | 0.07 | 156 | 4.34 | 2.36 | 13.6 | 1.4 | 70 |
| J598154 | | 1.43 | 16.35 | 0.22 | 5.2 | 0.005 | 3.69 | 45.2 | 8.0 | 0.07 | 186 | 2.68 | 2.49 | 14.7 | 2.2 | 70 |
| J598155 | | 1.18 | 16.15 | 0.19 | 5.0 | 0.008 | 3.60 | 43.1 | 10.5 | 0.08 | 122 | 1.84 | 1.64 | 13.1 | 1.1 | 60 |
| J598156 | | 1.29 | 16.75 | 0.24 | 5.5 | 0.011 | 3.68 | 50.2 | 9.8 | 0.08 | 70 | 1.70 | 1.62 | 12.2 | 1.2 | 70 |
| J598157 | | 1.35 | 15.65 | 0.22 | 5.6 | <0.005 | 3.76 | 49.6 | 8.5 | 0.06 | 125 | 3.74 | 2.01 | 10.3 | 1.3 | 70 |
| J598158 | | 1.47 | 16.35 | 0.22 | 5.0 | <0.005 | 3.52 | 47.8 | 8.7 | 0.07 | 127 | 10.00 | 1.92 | 11.2 | 2.2 | 70 |
| J598159 | | 1.35 | 15.40 | 0.22 | 5.1 | 0.010 | 3.65 | 44.6 | 9.6 | 0.07 | 209 | 6.58 | 1.86 | 13.8 | 1.9 | 70 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | 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 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598120 | | 7.8 | 145.5 | <0.002 | 0.04 | 0.72 | 3.8 | 1 | 2.6 | 49.1 | 1.33 | <0.05 | 19.6 | 0.073 | 0.76 | 5.5 |
| J598121 | | 6.7 | 149.5 | 0.002 | 0.03 | 0.76 | 3.9 | 1 | 2.0 | 46.1 | 1.23 | <0.05 | 18.6 | 0.069 | 0.65 | 4.9 |
| J598122 | | 6.6 | 141.0 | 0.003 | 0.01 | 0.73 | 3.5 | 1 | 1.8 | 37.7 | 1.09 | <0.05 | 17.3 | 0.060 | 0.68 | 5.1 |
| J598123 | | 8.3 | 139.5 | <0.002 | 0.04 | 0.77 | 3.6 | 1 | 1.6 | 42.3 | 1.31 | <0.05 | 19.0 | 0.065 | 0.74 | 5.4 |
| J598124 | | 18.7 | 126.5 | 0.002 | 0.17 | 1.05 | 3.6 | <1 | 3.1 | 50.2 | 1.27 | <0.05 | 17.8 | 0.074 | 0.64 | 5.3 |
| J598125 | | 82.7 | 610 | <0.002 | 3.18 | 1.51 | 3.2 | 1 | 1.1 | 177.0 | 0.79 | <0.05 | 2.9 | 0.224 | 6.34 | 1.4 |
| J598126 | | 13.2 | 124.0 | 0.002 | 0.35 | 0.69 | 3.7 | 1 | 13.7 | 79.0 | 1.47 | <0.05 | 9.9 | 0.090 | 0.63 | 3.7 |
| J598127 | | 11.3 | 115.5 | <0.002 | 0.22 | 0.63 | 3.6 | 1 | 10.1 | 61.2 | 1.14 | <0.05 | 14.9 | 0.077 | 0.53 | 3.6 |
| J598128 | | 20.5 | 156.0 | 0.003 | 0.10 | 0.99 | 3.5 | 1 | 2.2 | 58.3 | 1.26 | <0.05 | 19.1 | 0.064 | 0.76 | 4.6 |
| J598129 | | 10.8 | 139.0 | <0.002 | 0.06 | 0.86 | 3.6 | 1 | 1.4 | 41.4 | 1.26 | <0.05 | 18.8 | 0.065 | 0.68 | 4.7 |
| J598130 | | 8.7 | 139.5 | 0.003 | 0.04 | 0.77 | 3.5 | 1 | 1.4 | 41.9 | 1.19 | <0.05 | 18.8 | 0.062 | 0.64 | 5.1 |
| J598131 | | 17.7 | 150.0 | 0.003 | 0.10 | 1.17 | 3.7 | <1 | 1.8 | 52.4 | 1.20 | <0.05 | 18.8 | 0.072 | 0.67 | 4.7 |
| J598132 | | 15.6 | 141.0 | <0.002 | 0.15 | 1.27 | 3.8 | 1 | 1.6 | 43.4 | 1.41 | <0.05 | 20.5 | 0.068 | 0.61 | 5.2 |
| J598133 | | 13.1 | 136.0 | <0.002 | 0.07 | 0.73 | 3.6 | 1 | 1.2 | 39.9 | 1.30 | <0.05 | 20.4 | 0.067 | 0.70 | 5.3 |
| J598134 | | 13.1 | 136.5 | 0.003 | 0.07 | 0.64 | 3.6 | 1 | 1.1 | 38.4 | 1.19 | <0.05 | 19.2 | 0.065 | 0.67 | 4.9 |
| J598135 | | 9.8 | 149.5 | 0.004 | 0.05 | 0.66 | 4.0 | 1 | 1.3 | 42.2 | 1.31 | <0.05 | 19.2 | 0.070 | 0.65 | 5.3 |
| J598136 | | 8.7 | 135.0 | 0.003 | 0.03 | 0.72 | 3.6 | 1 | 1.0 | 53.1 | 1.18 | <0.05 | 17.5 | 0.066 | 0.68 | 4.6 |
| J598137 | | 7.5 | 144.0 | <0.002 | <0.01 | 0.60 | 3.8 | 1 | 1.2 | 51.1 | 1.25 | <0.05 | 19.3 | 0.071 | 0.68 | 4.7 |
| J598138 | | 33.9 | 138.0 | <0.002 | 0.08 | 0.69 | 4.3 | 1 | 1.2 | 54.2 | 1.33 | <0.05 | 20.6 | 0.073 | 0.62 | 5.3 |
| J598139 | | 26.2 | 134.0 | <0.002 | 0.09 | 0.60 | 3.7 | 1 | 1.1 | 50.9 | 1.32 | <0.05 | 19.5 | 0.071 | 0.62 | 5.2 |
| J598140 | | 10.5 | 133.0 | 0.003 | 0.08 | 0.49 | 3.8 | <1 | 1.3 | 54.0 | 1.30 | <0.05 | 18.4 | 0.070 | 0.60 | 5.0 |
| J598141 | | 10.1 | 138.0 | <0.002 | 0.04 | 0.52 | 4.0 | 1 | 1.3 | 59.7 | 1.32 | 0.05 | 19.9 | 0.071 | 0.58 | 5.0 |
| J598142 | | 6.4 | 132.5 | <0.002 | 0.02 | 0.45 | 3.8 | 1 | 1.4 | 57.8 | 1.32 | <0.05 | 20.0 | 0.069 | 0.57 | 5.1 |
| J598143 | | 7.6 | 141.5 | 0.002 | 0.07 | 0.57 | 4.0 | <1 | 1.6 | 56.1 | 1.27 | <0.05 | 18.6 | 0.069 | 0.62 | 4.9 |
| J598144 | | 19.5 | 133.5 | <0.002 | 0.21 | 0.81 | 3.6 | 1 | 1.4 | 49.4 | 1.35 | <0.05 | 20.1 | 0.070 | 0.58 | 5.3 |
| J598145 | | 14.7 | 130.0 | <0.002 | 0.22 | 0.94 | 4.0 | <1 | 1.5 | 56.8 | 1.50 | <0.05 | 21.8 | 0.074 | 0.58 | 5.6 |
| J598146 | | 23.0 | 127.0 | <0.002 | 0.29 | 1.04 | 3.8 | 1 | 1.3 | 53.3 | 1.32 | <0.05 | 20.0 | 0.066 | 0.52 | 5.0 |
| J598147 | | 20.8 | 128.5 | <0.002 | 0.23 | 1.16 | 3.5 | <1 | 1.3 | 53.4 | 1.35 | <0.05 | 18.4 | 0.071 | 0.52 | 5.1 |
| J598148 | | 7.1 | 127.0 | 0.002 | 0.05 | 0.75 | 4.1 | 1 | 1.7 | 69.2 | 1.39 | <0.05 | 21.3 | 0.070 | 0.53 | 5.9 |
| J598149 | | 6.3 | 131.0 | <0.002 | <0.01 | 0.83 | 3.8 | 1 | 1.1 | 62.4 | 1.35 | <0.05 | 20.7 | 0.066 | 0.51 | 5.1 |
| J598150 | | 28.9 | 12.1 | 0.002 | 1.08 | 0.64 | 1.3 | 1 | 1.4 | 14.0 | 0.30 | <0.05 | 3.3 | 0.093 | 0.46 | 0.5 |
| J598151 | | 6.8 | 133.5 | <0.002 | 0.03 | 0.87 | 4.0 | 1 | 1.1 | 60.4 | 1.28 | <0.05 | 19.2 | 0.071 | 0.53 | 4.8 |
| J598152 | | 15.6 | 128.5 | 0.002 | 0.25 | 1.49 | 3.9 | 1 | 1.2 | 50.2 | 1.25 | <0.05 | 19.7 | 0.072 | 0.54 | 5.1 |
| J598153 | | 17.0 | 126.0 | <0.002 | 0.26 | 1.04 | 3.7 | 1 | 1.1 | 53.6 | 1.31 | <0.05 | 19.6 | 0.070 | 0.58 | 5.2 |
| J598154 | | 12.4 | 135.0 | 0.002 | 0.20 | 1.23 | 4.2 | 1 | 1.3 | 58.3 | 1.26 | <0.05 | 19.7 | 0.075 | 0.63 | 5.2 |
| J598155 | | 11.6 | 137.0 | <0.002 | 0.25 | 1.00 | 4.1 | 1 | 1.2 | 45.0 | 1.21 | <0.05 | 19.4 | 0.073 | 0.56 | 4.9 |
| J598156 | | 13.9 | 139.0 | 0.004 | 0.66 | 0.86 | 4.2 | 1 | 1.1 | 45.6 | 1.25 | <0.05 | 19.4 | 0.074 | 0.53 | 5.1 |
| J598157 | | 13.3 | 133.0 | 0.002 | 0.52 | 0.91 | 4.1 | 1 | 1.0 | 53.0 | 0.95 | <0.05 | 20.2 | 0.061 | 0.57 | 5.1 |
| J598158 | | 12.2 | 131.0 | 0.002 | 0.58 | 1.01 | 4.1 | 1 | 1.2 | 51.2 | 0.94 | <0.05 | 19.4 | 0.068 | 0.57 | 5.1 |
| J598159 | | 12.5 | 131.0 | 0.002 | 0.43 | 1.08 | 3.7 | 1 | 1.3 | 44.8 | 1.37 | <0.05 | 20.0 | 0.074 | 0.59 | 5.4 |

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To: **RAINY RIVER RESOURCES LTD.**
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**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61<br>V<br>ppm<br>1 | ME-MS61<br>W<br>ppm<br>0.1 | ME-MS61<br>Y<br>ppm<br>0.1 | ME-MS61<br>Zn<br>ppm<br>2 | ME-MS61<br>Zr<br>ppm<br>0.5 |
|---|---|---|---|---|---|---|
| J598120 | | 3 | 1.9 | 21.0 | 18 | 146.5 |
| J598121 | | 3 | 1.9 | 20.0 | 14 | 148.0 |
| J598122 | | 3 | 1.6 | 15.7 | 13 | 129.5 |
| J598123 | | 3 | 1.6 | 19.9 | 13 | 153.5 |
| J598124 | | 3 | 1.8 | 19.2 | 32 | 154.0 |
| J598125 | | 28 | 0.2 | 5.1 | 38 | 48.0 |
| J598126 | | 6 | 6.1 | 18.9 | 38 | 176.5 |
| J598127 | | 3 | 3.4 | 25.3 | 27 | 142.5 |
| J598128 | | 3 | 1.5 | 15.5 | 31 | 153.5 |
| J598129 | | 3 | 1.5 | 15.3 | 24 | 143.5 |
| J598130 | | 3 | 1.3 | 16.3 | 16 | 140.0 |
| J598131 | | 3 | 1.3 | 19.9 | 37 | 160.5 |
| J598132 | | 3 | 1.8 | 17.7 | 46 | 157.5 |
| J598133 | | 3 | 1.8 | 13.5 | 24 | 150.5 |
| J598134 | | 3 | 1.4 | 12.6 | 22 | 145.0 |
| J598135 | | 3 | 1.4 | 14.2 | 20 | 161.0 |
| J598136 | | 3 | 0.9 | 18.3 | 17 | 146.5 |
| J598137 | | 3 | 1.0 | 19.8 | 15 | 160.0 |
| J598138 | | 3 | 1.7 | 15.6 | 32 | 151.5 |
| J598139 | | 3 | 1.7 | 13.1 | 28 | 160.0 |
| J598140 | | 3 | 1.7 | 12.7 | 15 | 162.5 |
| J598141 | | 4 | 1.4 | 16.1 | 14 | 178.0 |
| J598142 | | 3 | 1.2 | 20.5 | 14 | 158.0 |
| J598143 | | 3 | 1.4 | 14.9 | 15 | 154.0 |
| J598144 | | 3 | 2.3 | 16.0 | 26 | 149.5 |
| J598145 | | 3 | 2.4 | 18.6 | 18 | 156.5 |
| J598146 | | 3 | 2.5 | 15.3 | 24 | 146.5 |
| J598147 | | 3 | 2.0 | 13.4 | 16 | 140.5 |
| J598148 | | 3 | 1.4 | 21.4 | 16 | 145.5 |
| J598149 | | 3 | 1.2 | 21.6 | 13 | 164.0 |
| J598150 | | 8 | 0.9 | 2.7 | 15 | 20.6 |
| J598151 | | 4 | 1.3 | 19.3 | 12 | 160.0 |
| J598152 | | 3 | 2.9 | 16.4 | 15 | 147.5 |
| J598153 | | 3 | 2.6 | 16.7 | 17 | 144.0 |
| J598154 | | 4 | 2.1 | 17.7 | 23 | 159.5 |
| J598155 | | 3 | 4.1 | 19.7 | 14 | 152.5 |
| J598156 | | 3 | 5.2 | 23.3 | 10 | 162.0 |
| J598157 | | 3 | 4.0 | 18.2 | 10 | 172.0 |
| J598158 | | 4 | 4.1 | 20.2 | 10 | 164.5 |
| J598159 | | 3 | 3.7 | 17.5 | 41 | 151.0 |

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

ALS Canada Ltd.
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Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method | WEI-21 | Au-AA23 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Recvd Wt. | Au | Ag | Al | As | Ba | Be | Bi | Ca | Cd | Ce | Co | Cr | Cs | Cu |
| | Units | kg | g/t | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm |
| | LOR | 0.02 | 0.005 | 0.01 | 0.01 | 0.2 | 10 | 0.05 | 0.01 | 0.01 | 0.02 | 0.01 | 0.1 | 1 | 0.05 | 0.2 |
| J598160 | | 1.15 | 0.156 | 0.04 | 6.32 | 172.5 | 640 | 1.43 | 0.07 | 0.64 | 0.02 | 83.8 | 2.6 | 9 | 0.90 | 10.7 |
| J598161 | | 1.50 | 0.541 | 0.06 | 6.40 | 552 | 620 | 1.64 | 0.06 | 0.52 | 0.02 | 97.0 | 3.0 | 11 | 1.09 | 10.1 |
| J598162 | | 1.53 | 0.326 | 0.10 | 6.23 | 204 | 660 | 1.37 | 0.08 | 0.48 | 0.02 | 90.9 | 2.4 | 11 | 0.97 | 6.7 |
| J598163 | | 0.74 | 0.105 | 0.10 | 6.12 | 283 | 660 | 1.23 | 0.06 | 0.63 | 0.03 | 87.5 | 2.9 | 10 | 0.94 | 17.9 |
| J598164 | | 1.91 | 0.131 | 0.08 | 6.02 | 140.0 | 640 | 1.40 | 0.05 | 0.51 | 0.02 | 87.9 | 2.0 | 8 | 1.00 | 4.9 |
| J598165 | | 1.80 | 0.067 | 0.18 | 6.09 | 84.6 | 590 | 1.53 | 0.03 | 0.59 | 0.07 | 87.9 | 2.5 | 12 | 0.99 | 6.5 |
| J598166 | | 1.86 | 0.009 | 0.08 | 6.13 | 66.8 | 550 | 1.38 | 0.03 | 0.54 | 0.03 | 89.3 | 2.7 | 14 | 1.00 | 4.0 |
| J598167 | | 1.76 | 0.033 | 0.29 | 5.87 | 38.2 | 580 | 1.34 | 0.02 | 0.47 | 0.13 | 81.2 | 1.8 | 12 | 0.89 | 3.4 |
| J598168 | | 2.22 | 0.007 | 0.01 | 6.32 | 17.8 | 580 | 1.79 | 0.03 | 0.50 | <0.02 | 95.9 | 1.6 | 12 | 0.99 | 3.7 |
| J598169 | | 1.83 | 0.014 | 0.05 | 6.25 | 23.3 | 560 | 1.57 | 0.04 | 0.57 | 0.06 | 88.4 | 1.8 | 13 | 0.81 | 4.4 |
| J598170 | | 1.99 | 0.022 | 0.04 | 6.28 | 11.6 | 560 | 1.72 | 0.04 | 0.50 | 0.07 | 89.8 | 1.7 | 14 | 0.85 | 5.4 |
| J598171 | | 2.24 | <0.005 | 0.03 | 6.13 | 13.3 | 550 | 1.77 | 0.03 | 0.50 | 0.06 | 93.8 | 1.5 | 11 | 0.92 | 4.0 |
| J598172 | | 1.55 | 0.015 | 0.03 | 6.14 | 16.8 | 540 | 1.71 | 0.04 | 0.48 | <0.02 | 93.0 | 1.5 | 13 | 1.11 | 8.0 |
| J598173 | | 1.51 | <0.005 | 0.03 | 6.21 | 7.3 | 580 | 1.79 | 0.04 | 0.49 | 0.02 | 83.7 | 1.4 | 9 | 0.97 | 3.1 |
| J598174 | | 1.57 | <0.005 | 0.03 | 6.35 | 13.6 | 590 | 2.01 | 0.05 | 0.50 | <0.02 | 91.8 | 1.6 | 13 | 1.23 | 5.2 |
| J598175 | | 0.03 | 8.26 | 0.45 | 8.18 | 3.8 | 180 | 2.06 | 0.10 | 1.10 | 0.47 | 17.05 | 9.3 | 36 | 1.46 | 15.3 |
| J598176 | | 1.46 | <0.005 | 0.03 | 6.34 | 5.2 | 560 | 2.00 | 0.04 | 0.52 | 0.02 | 90.2 | 0.9 | 15 | 1.04 | 2.9 |
| J598177 | | 1.54 | <0.005 | 0.03 | 6.14 | 13.9 | 510 | 1.88 | 0.05 | 0.49 | 0.05 | 86.4 | 1.6 | 13 | 0.97 | 4.9 |
| J598178 | | 1.31 | <0.005 | 0.04 | 6.17 | 27.9 | 530 | 1.92 | 0.05 | 0.51 | 0.05 | 84.6 | 1.3 | 10 | 0.94 | 5.6 |

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

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To: **RAINY RIVER RESOURCES LTD.**
**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 | ME-MS61 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Fe | Ga | Ge | Hf | In | K | La | Li | Mg | Mn | Mo | Na | Nb | Ni | P |
| | Units | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | ppm | % | ppm | ppm | ppm |
| | LOR | 0.01 | 0.05 | 0.05 | 0.1 | 0.005 | 0.01 | 0.5 | 0.2 | 0.01 | 5 | 0.05 | 0.01 | 0.1 | 0.2 | 10 |
| J598160 | | 1.22 | 14.70 | 0.20 | 5.1 | <0.005 | 3.76 | 40.3 | 6.7 | 0.04 | 163 | 7.77 | 2.23 | 11.0 | 1.6 | 60 |
| J598161 | | 1.54 | 16.90 | 0.20 | 5.4 | 0.007 | 3.69 | 47.4 | 10.3 | 0.07 | 169 | 2.24 | 1.85 | 13.5 | 2.0 | 70 |
| J598162 | | 1.43 | 14.90 | 0.20 | 4.6 | <0.005 | 3.64 | 46.9 | 9.4 | 0.07 | 148 | 3.30 | 1.93 | 12.7 | 1.7 | 70 |
| J598163 | | 1.31 | 15.25 | 0.17 | 5.3 | 0.010 | 3.70 | 45.0 | 7.9 | 0.05 | 225 | 1.64 | 2.21 | 13.6 | 2.5 | 70 |
| J598164 | | 1.06 | 15.85 | 0.17 | 5.8 | 0.013 | 3.49 | 44.4 | 12.6 | 0.06 | 176 | 4.96 | 2.14 | 14.3 | 1.0 | 80 |
| J598165 | | 1.32 | 15.90 | 0.17 | 5.3 | 0.012 | 3.48 | 45.2 | 7.6 | 0.06 | 202 | 3.01 | 2.31 | 14.8 | 1.9 | 70 |
| J598166 | | 1.39 | 15.40 | 0.19 | 5.3 | 0.010 | 3.49 | 45.0 | 5.6 | 0.06 | 195 | 2.45 | 2.33 | 14.1 | 2.0 | 70 |
| J598167 | | 0.98 | 15.50 | 0.18 | 5.1 | 0.010 | 3.57 | 41.5 | 12.3 | 0.06 | 135 | 2.32 | 2.24 | 13.9 | 0.9 | 60 |
| J598168 | | 1.42 | 16.80 | 0.15 | 6.0 | 0.017 | 3.57 | 48.5 | 6.8 | 0.06 | 192 | 4.05 | 2.44 | 15.6 | 2.1 | 70 |
| J598169 | | 1.25 | 15.75 | 0.21 | 6.3 | 0.013 | 3.61 | 45.5 | 11.2 | 0.06 | 195 | 2.28 | 2.36 | 15.3 | 1.2 | 70 |
| J598170 | | 1.38 | 17.05 | 0.20 | 5.7 | 0.012 | 3.61 | 46.8 | 9.2 | 0.06 | 199 | 2.08 | 2.46 | 15.5 | 2.2 | 60 |
| J598171 | | 1.22 | 16.45 | 0.20 | 5.7 | 0.012 | 3.41 | 47.3 | 6.6 | 0.06 | 171 | 22.0 | 2.46 | 15.0 | 1.3 | 60 |
| J598172 | | 1.37 | 16.30 | 0.20 | 5.8 | 0.014 | 3.49 | 49.1 | 6.5 | 0.06 | 185 | 2.36 | 2.45 | 14.5 | 2.5 | 60 |
| J598173 | | 1.04 | 16.80 | 0.20 | 6.1 | 0.017 | 3.50 | 42.1 | 6.4 | 0.06 | 168 | 1.87 | 2.51 | 16.0 | 1.0 | 60 |
| J598174 | | 1.37 | 16.40 | 0.20 | 5.8 | 0.019 | 3.57 | 47.6 | 6.7 | 0.07 | 184 | 2.87 | 2.52 | 14.4 | 2.1 | 70 |
| J598175 | | 4.59 | 19.25 | 0.09 | 1.5 | 0.021 | 2.26 | 9.2 | 2.2 | 0.94 | 275 | 1.88 | 4.92 | 9.7 | 38.6 | 660 |
| J598176 | | 1.06 | 16.60 | 0.19 | 5.5 | 0.018 | 3.55 | 46.7 | 6.8 | 0.06 | 145 | 3.78 | 2.54 | 14.6 | 1.1 | 60 |
| J598177 | | 1.31 | 15.90 | 0.18 | 5.6 | 0.018 | 3.43 | 42.9 | 6.2 | 0.06 | 184 | 9.95 | 2.47 | 14.9 | 2.1 | 60 |
| J598178 | | 1.38 | 15.45 | 0.19 | 5.6 | 0.022 | 3.50 | 43.2 | 5.2 | 0.06 | 190 | 4.37 | 2.49 | 14.2 | 1.4 | 70 |

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

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**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method / Analyte / Units / LOR | 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 | ME-MS61 U ppm 0.1 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598160 | | 12.2 | 129.0 | <0.002 | 0.56 | 1.73 | 3.0 | 1 | 0.9 | 54.4 | 1.05 | <0.05 | 19.2 | 0.053 | 0.61 | 4.8 |
| J598161 | | 14.3 | 138.5 | 0.002 | 0.54 | 1.44 | 4.0 | 1 | 1.9 | 49.0 | 1.27 | <0.05 | 20.4 | 0.071 | 0.60 | 5.2 |
| J598162 | | 11.7 | 125.0 | 0.003 | 0.60 | 1.04 | 3.9 | 1 | 1.2 | 45.4 | 1.11 | <0.05 | 20.5 | 0.069 | 0.60 | 5.0 |
| J598163 | | 8.7 | 136.0 | 0.002 | 0.31 | 1.22 | 3.1 | 1 | 0.9 | 49.1 | 1.26 | <0.05 | 18.4 | 0.062 | 0.60 | 5.4 |
| J598164 | | 9.3 | 140.0 | 0.005 | 0.23 | 1.08 | 3.9 | 1 | 1.4 | 44.0 | 1.24 | <0.05 | 19.8 | 0.070 | 0.63 | 4.8 |
| J598165 | | 8.3 | 145.0 | 0.003 | 0.13 | 1.23 | 3.8 | 1 | 1.8 | 47.7 | 1.32 | <0.05 | 20.7 | 0.066 | 0.67 | 5.6 |
| J598166 | | 7.7 | 142.5 | 0.003 | 0.05 | 0.98 | 3.5 | 1 | 1.5 | 46.5 | 1.28 | <0.05 | 19.2 | 0.066 | 0.64 | 4.9 |
| J598167 | | 10.1 | 145.5 | 0.002 | 0.09 | 0.85 | 3.5 | 1 | 1.3 | 36.5 | 1.32 | <0.05 | 17.7 | 0.066 | 0.58 | 5.0 |
| J598168 | | 8.3 | 155.5 | 0.002 | 0.04 | 0.77 | 3.9 | 1 | 1.6 | 48.2 | 1.36 | <0.05 | 20.6 | 0.066 | 0.67 | 5.1 |
| J598169 | | 29.3 | 151.5 | 0.002 | 0.13 | 0.69 | 3.5 | 1 | 1.5 | 40.0 | 1.54 | <0.05 | 22.1 | 0.069 | 0.65 | 5.6 |
| J598170 | | 27.9 | 163.5 | 0.002 | 0.09 | 0.69 | 3.7 | 1 | 1.6 | 47.3 | 1.40 | <0.05 | 20.1 | 0.066 | 0.63 | 5.3 |
| J598171 | | 29.2 | 159.5 | 0.004 | 0.04 | 0.61 | 3.8 | <1 | 1.5 | 42.0 | 1.40 | <0.05 | 20.4 | 0.063 | 0.63 | 5.1 |
| J598172 | | 7.2 | 166.0 | 0.003 | 0.04 | 0.74 | 3.7 | 1 | 1.6 | 41.3 | 1.33 | <0.05 | 21.2 | 0.065 | 0.68 | 5.6 |
| J598173 | | 6.9 | 158.5 | 0.003 | 0.02 | 0.58 | 3.8 | 1 | 1.8 | 40.5 | 1.43 | 0.05 | 21.8 | 0.063 | 0.66 | 5.6 |
| J598174 | | 7.0 | 176.5 | 0.002 | 0.01 | 0.63 | 3.9 | 1 | 1.8 | 39.0 | 1.35 | 0.06 | 20.7 | 0.066 | 0.79 | 5.2 |
| J598175 | | 88.5 | 219 | 0.004 | 3.22 | 1.11 | 3.3 | <1 | 1.0 | 177.0 | 0.81 | <0.05 | 2.6 | 0.257 | 1.80 | 0.9 |
| J598176 | | 5.9 | 177.5 | 0.004 | 0.01 | 0.52 | 3.8 | 1 | 1.8 | 37.4 | 1.30 | <0.05 | 20.8 | 0.065 | 0.71 | 4.9 |
| J598177 | | 5.9 | 171.0 | 0.005 | 0.01 | 0.71 | 3.6 | 1 | 1.7 | 36.8 | 1.40 | <0.05 | 21.0 | 0.061 | 0.64 | 4.9 |
| J598178 | | 11.7 | 164.0 | 0.004 | 0.02 | 0.84 | 3.5 | <1 | 1.8 | 32.7 | 1.35 | <0.05 | 20.1 | 0.064 | 0.60 | 5.3 |

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

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**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

| Sample Description | Method<br>Analyte<br>Units<br>LOR | ME-MS61<br>V<br>ppm<br>1 | ME-MS61<br>W<br>ppm<br>0.1 | ME-MS61<br>Y<br>ppm<br>0.1 | ME-MS61<br>Zn<br>ppm<br>2 | ME-MS61<br>Zr<br>ppm<br>0.5 |
|---|---|---|---|---|---|---|
| J598160 | | 2 | 2.8 | 14.3 | 12 | 145.0 |
| J598161 | | 3 | 3.9 | 20.1 | 13 | 160.0 |
| J598162 | | 3 | 4.4 | 20.1 | 11 | 135.0 |
| J598163 | | 3 | 2.0 | 14.8 | 12 | 135.0 |
| J598164 | | 3 | 2.8 | 18.0 | 14 | 145.5 |
| J598165 | | 3 | 2.1 | 16.6 | 13 | 141.5 |
| J598166 | | 3 | 1.6 | 15.1 | 15 | 138.0 |
| J598167 | | 3 | 2.5 | 13.5 | 12 | 127.0 |
| J598168 | | 3 | 1.8 | 16.6 | 14 | 137.5 |
| J598169 | | 3 | 2.5 | 15.9 | 25 | 143.0 |
| J598170 | | 3 | 2.1 | 15.0 | 24 | 145.0 |
| J598171 | | 3 | 2.0 | 14.3 | 19 | 138.0 |
| J598172 | | 3 | 1.9 | 15.5 | 13 | 139.0 |
| J598173 | | 3 | 1.9 | 16.7 | 16 | 152.0 |
| J598174 | | 3 | 2.0 | 16.3 | 17 | 141.0 |
| J598175 | | 32 | 0.2 | 4.9 | 42 | 47.8 |
| J598176 | | 3 | 2.1 | 16.8 | 15 | 142.5 |
| J598177 | | 3 | 2.0 | 17.4 | 18 | 138.0 |
| J598178 | | 3 | 1.9 | 18.7 | 24 | 131.0 |

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

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**Finalized Date: 12-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12042306

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