ALS Canada Ltd.

2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

# CERTIFICATE TB12031917

Project: TPK-ROWLANDSON

P.O. No.:

This report is for 180 Drill Core samples submitted to our lab in Thunder Bay, ON, Canada on 17-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 TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598500 | | 1.76 | <0.005 | 0.01 | 6.04 | 8.8 | 650 | 1.86 | 0.05 | 0.40 | 0.02 | 79.7 | 1.3 | 13 | 0.54 | 3.6 |
| J598501 | | 1.34 | 0.077 | 0.12 | 6.08 | 101.0 | 900 | 1.65 | 0.07 | 0.33 | 0.10 | 101.5 | 1.3 | 14 | 0.45 | 3.9 |
| J598502 | | 1.47 | 0.011 | 0.02 | 6.17 | 123.5 | 890 | 1.88 | 0.10 | 0.25 | 0.03 | 86.5 | 1.3 | 14 | 0.49 | 2.0 |
| J598503 | | 1.86 | 0.061 | 0.04 | 6.15 | 67.4 | 830 | 1.93 | 0.07 | 0.25 | 0.03 | 96.6 | 1.1 | 11 | 0.50 | 2.4 |
| J598504 | | 1.47 | <0.005 | 0.01 | 6.33 | 30.5 | 940 | 2.18 | 0.07 | 0.23 | <0.02 | 111.5 | 1.4 | 16 | 0.50 | 3.1 |
| J598505 | | 1.82 | 0.019 | 0.10 | 6.28 | 110.0 | 820 | 1.68 | 0.06 | 0.21 | 0.07 | 105.5 | 1.2 | 13 | 0.53 | 2.4 |
| J598506 | | 1.69 | 0.135 | 0.24 | 5.73 | 207 | 680 | 1.91 | 0.17 | 0.10 | 0.18 | 61.8 | 1.7 | 11 | 0.55 | 4.7 |
| J598507 | | 1.35 | 0.013 | 0.11 | 6.01 | 99.1 | 870 | 1.65 | 0.15 | 0.19 | 0.13 | 107.0 | 1.8 | 13 | 0.49 | 3.7 |
| J598508 | | 1.17 | <0.005 | 0.03 | 5.92 | 4.1 | 850 | 1.71 | 0.05 | 0.28 | <0.02 | 95.7 | 1.2 | 13 | 0.42 | 3.0 |
| J598509 | | 1.54 | <0.005 | 0.04 | 6.20 | 6.0 | 850 | 1.84 | 0.06 | 0.18 | 0.03 | 124.0 | 1.3 | 12 | 0.45 | 1.1 |
| J598510 | | 1.47 | <0.005 | 0.02 | 6.05 | 3.5 | 850 | 1.73 | 0.05 | 0.18 | <0.02 | 113.0 | 1.0 | 15 | 0.43 | 2.0 |
| J598511 | | 1.78 | 0.051 | 0.11 | 6.38 | 14.3 | 840 | 1.67 | 0.07 | 0.19 | 0.02 | 116.5 | 2.6 | 12 | 0.58 | 3.1 |
| J598512 | | 1.63 | 0.008 | 0.09 | 6.18 | 186.0 | 940 | 1.53 | 0.05 | 0.31 | <0.02 | 121.0 | 1.2 | 18 | 0.52 | 4.2 |
| J598513 | | 1.45 | 0.040 | 0.18 | 6.38 | 413 | 900 | 1.53 | 0.05 | 0.15 | 0.12 | 121.5 | 0.8 | 14 | 0.53 | 5.0 |
| J598514 | | 1.30 | <0.005 | 0.09 | 6.38 | 70.4 | 840 | 1.62 | 0.04 | 0.15 | 0.02 | 141.0 | 0.9 | 11 | 0.67 | 6.4 |
| J598515 | | 0.89 | 0.030 | 0.08 | 6.52 | 74.0 | 730 | 1.55 | 0.02 | 0.16 | 0.03 | 86.6 | 0.5 | 11 | 1.03 | 2.6 |
| J598516 | | 1.13 | 0.103 | 0.31 | 6.78 | 74.4 | 1030 | 1.49 | 0.05 | 0.18 | 0.16 | 105.0 | 1.5 | 12 | 1.25 | 8.3 |
| J598517 | | 1.68 | 0.027 | 0.11 | 6.20 | 128.5 | 770 | 1.51 | 0.02 | 0.26 | 0.11 | 97.8 | 0.8 | 12 | 0.48 | 3.4 |
| J598518 | | 1.87 | 0.013 | 0.11 | 5.66 | 120.5 | 610 | 1.27 | 0.03 | 0.36 | 0.12 | 85.9 | 1.1 | 18 | 0.47 | 4.7 |
| J598519 | | 1.51 | <0.005 | 0.04 | 6.21 | 30.5 | 860 | 1.98 | 0.04 | 0.29 | 0.02 | 109.0 | 0.6 | 13 | 0.63 | 2.9 |
| J598520 | | 1.69 | <0.005 | 0.08 | 6.36 | 166.5 | 910 | 2.06 | 0.04 | 0.29 | 0.10 | 118.0 | 1.2 | 13 | 0.60 | 4.7 |
| J598521 | | 1.74 | 0.013 | 0.14 | 6.34 | 52.4 | 870 | 1.50 | 0.03 | 0.21 | 0.11 | 106.5 | 0.8 | 31 | 0.61 | 4.4 |
| J598522 | | 1.51 | 0.005 | 0.51 | 6.53 | 10.9 | 930 | 1.61 | 0.04 | 0.20 | <0.02 | 111.5 | 0.7 | 14 | 0.74 | 4.7 |
| J598523 | | 1.69 | 0.008 | 0.14 | 6.31 | 12.2 | 880 | 1.96 | 0.07 | 0.25 | <0.02 | 100.5 | 0.5 | 12 | 0.99 | 3.6 |
| J598524 | | 1.80 | 0.133 | 0.14 | 6.32 | 116.0 | 850 | 1.92 | 0.07 | 0.31 | 0.06 | 109.0 | 0.6 | 17 | 0.64 | 4.0 |
| J598525 | | 0.03 | 0.590 | 0.81 | 9.13 | 3.3 | 100 | 2.46 | 1.38 | 1.03 | 0.15 | 18.25 | 9.6 | 35 | 32.5 | 13.5 |
| J598526 | | 1.63 | 0.013 | 0.15 | 6.33 | 54.6 | 850 | 1.87 | 0.25 | 0.31 | 0.08 | 110.5 | 0.6 | 14 | 0.74 | 3.9 |
| J598527 | | 1.12 | 0.008 | 0.24 | 6.28 | 124.0 | 820 | 1.37 | 0.07 | 0.25 | 0.12 | 110.0 | 0.7 | 22 | 0.60 | 4.4 |
| J598528 | | 1.01 | 0.045 | 0.29 | 6.30 | 134.5 | 870 | 1.09 | 0.05 | 0.31 | 0.26 | 105.5 | 0.4 | 15 | 0.56 | 4.5 |
| J598529 | | 1.10 | 0.038 | 0.15 | 6.38 | 189.0 | 960 | 1.30 | 0.05 | 0.27 | 0.10 | 109.0 | 0.6 | 14 | 0.64 | 4.5 |
| J598530 | | 1.09 | 0.070 | 0.36 | 6.03 | 382 | 870 | 1.30 | 0.14 | 0.22 | 0.33 | 99.5 | 0.8 | 12 | 0.62 | 7.5 |
| J598531 | | 0.89 | 0.028 | 0.23 | 6.45 | 412 | 790 | 1.19 | 0.07 | 0.12 | 0.21 | 78.5 | 1.3 | 13 | 0.68 | 8.2 |
| J598532 | | 1.03 | 0.020 | 0.90 | 6.21 | 287 | 710 | 1.41 | 0.03 | 0.16 | <0.02 | 90.4 | 0.8 | 13 | 0.75 | 3.7 |
| J598533 | | 1.76 | 0.018 | 0.12 | 6.38 | 254 | 780 | 1.31 | 0.08 | 0.34 | 0.04 | 121.5 | 1.1 | 12 | 0.90 | 5.2 |
| J598534 | | 1.63 | 0.009 | 0.12 | 6.53 | 240 | 690 | 1.52 | 0.09 | 0.28 | 0.04 | 104.5 | 1.1 | 13 | 0.96 | 4.5 |
| J598535 | | 1.49 | 0.014 | 0.09 | 6.43 | 123.5 | 570 | 1.91 | 0.03 | 0.24 | 0.02 | 89.6 | 1.5 | 13 | 1.01 | 4.5 |
| J598536 | | 1.62 | 0.046 | 0.10 | 6.38 | 99.5 | 570 | 1.69 | 0.03 | 0.26 | <0.02 | 92.7 | 1.3 | 12 | 0.93 | 2.9 |
| J598537 | | 1.67 | 0.036 | 0.10 | 6.50 | 135.0 | 610 | 1.55 | 0.04 | 0.31 | <0.02 | 90.8 | 1.8 | 15 | 0.87 | 5.0 |
| J598538 | | 1.68 | 0.014 | 0.09 | 6.29 | 102.0 | 590 | 1.46 | 0.04 | 0.30 | 0.02 | 91.2 | 1.2 | 14 | 0.92 | 4.7 |
| J598539 | | 1.80 | 0.011 | 0.20 | 6.22 | 108.0 | 580 | 1.73 | 0.05 | 0.20 | <0.02 | 91.0 | 1.4 | 17 | 0.98 | 4.6 |

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**Finalized Date: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598500 | | 1.12 | 17.20 | 0.21 | 5.9 | 0.023 | 3.54 | 38.4 | 3.3 | 0.04 | 237 | 1.06 | 2.58 | 15.7 | 1.5 | 30 |
| J598501 | | 1.25 | 17.85 | 0.23 | 6.6 | 0.032 | 3.37 | 51.2 | 3.4 | 0.04 | 180 | 1.37 | 2.67 | 16.6 | 2.8 | 30 |
| J598502 | | 1.26 | 18.20 | 0.21 | 7.0 | 0.023 | 3.46 | 43.7 | 3.2 | 0.03 | 84 | 0.89 | 2.66 | 17.5 | 1.2 | 40 |
| J598503 | | 1.20 | 18.50 | 0.22 | 7.0 | 0.025 | 3.51 | 51.1 | 4.0 | 0.03 | 119 | 1.20 | 2.63 | 16.8 | 1.6 | 40 |
| J598504 | | 1.33 | 19.30 | 0.24 | 7.5 | 0.027 | 3.32 | 56.1 | 3.9 | 0.03 | 364 | 1.65 | 2.84 | 17.4 | 1.2 | 30 |
| J598505 | | 1.25 | 18.45 | 0.25 | 7.6 | 0.029 | 3.48 | 53.3 | 3.5 | 0.02 | 203 | 1.55 | 2.77 | 17.0 | 1.0 | 30 |
| J598506 | | 1.10 | 17.55 | 0.18 | 6.9 | 0.051 | 3.10 | 29.6 | 6.9 | 0.04 | 85 | 2.29 | 1.22 | 14.1 | 1.3 | 50 |
| J598507 | | 1.23 | 18.90 | 0.23 | 7.5 | 0.044 | 3.38 | 52.7 | 3.7 | 0.02 | 353 | 1.77 | 2.68 | 16.9 | 1.0 | 20 |
| J598508 | | 1.28 | 18.30 | 0.22 | 7.4 | 0.037 | 3.36 | 47.6 | 2.8 | 0.03 | 309 | 1.26 | 2.71 | 16.1 | 1.0 | 20 |
| J598509 | | 1.38 | 18.55 | 0.26 | 7.0 | 0.037 | 3.44 | 62.6 | 4.4 | 0.03 | 144 | 1.45 | 2.80 | 15.6 | 1.0 | 30 |
| J598510 | | 1.19 | 17.80 | 0.24 | 6.9 | 0.040 | 3.40 | 58.0 | 3.3 | 0.02 | 93 | 1.79 | 2.76 | 15.1 | 1.2 | 20 |
| J598511 | | 1.44 | 19.25 | 0.15 | 6.9 | 0.044 | 3.38 | 61.4 | 4.8 | 0.03 | 132 | 2.13 | 2.79 | 16.3 | 1.5 | 30 |
| J598512 | | 1.46 | 17.80 | 0.16 | 6.9 | 0.053 | 3.49 | 65.3 | 3.1 | 0.03 | 228 | 2.55 | 2.59 | 15.8 | 1.8 | 30 |
| J598513 | | 1.15 | 17.85 | 0.18 | 7.0 | 0.050 | 3.55 | 62.2 | 3.8 | 0.02 | 122 | 1.82 | 2.70 | 15.5 | 1.1 | 40 |
| J598514 | | 1.14 | 18.80 | 0.19 | 6.8 | 0.046 | 3.38 | 80.0 | 3.1 | 0.02 | 102 | 1.80 | 2.73 | 15.8 | 1.3 | 40 |
| J598515 | | 0.99 | 17.85 | 0.14 | 6.1 | 0.030 | 3.62 | 45.0 | 3.7 | 0.03 | 94 | 1.66 | 2.68 | 13.8 | 1.0 | 50 |
| J598516 | | 1.21 | 17.70 | 0.16 | 6.9 | 0.052 | 4.17 | 52.6 | 9.1 | 0.04 | 193 | 2.46 | 1.97 | 15.7 | 1.2 | 50 |
| J598517 | | 1.22 | 17.25 | 0.15 | 6.0 | 0.048 | 3.37 | 51.6 | 3.5 | 0.02 | 285 | 2.39 | 2.67 | 15.6 | 1.0 | 30 |
| J598518 | | 1.14 | 16.25 | 0.13 | 5.5 | 0.043 | 3.17 | 42.8 | 3.0 | 0.02 | 299 | 1.50 | 2.47 | 14.6 | 1.2 | 20 |
| J598519 | | 1.28 | 18.85 | 0.14 | 7.0 | 0.051 | 3.44 | 57.3 | 2.5 | 0.03 | 204 | 2.18 | 2.87 | 17.7 | 1.3 | 30 |
| J598520 | | 1.39 | 19.35 | 0.15 | 6.7 | 0.049 | 3.42 | 59.7 | 2.9 | 0.03 | 378 | 1.94 | 2.93 | 17.7 | 1.4 | 30 |
| J598521 | | 1.28 | 18.40 | 0.20 | 7.5 | 0.036 | 3.38 | 55.1 | 3.1 | 0.02 | 361 | 1.90 | 2.77 | 16.9 | 1.2 | 30 |
| J598522 | | 1.25 | 18.80 | 0.17 | 7.1 | 0.041 | 3.43 | 60.2 | 2.7 | 0.03 | 169 | 2.63 | 2.92 | 17.2 | 2.0 | 40 |
| J598523 | | 1.29 | 18.05 | 0.17 | 6.8 | 0.037 | 3.40 | 52.4 | 2.8 | 0.03 | 251 | 2.30 | 2.84 | 18.0 | 1.2 | 40 |
| J598524 | | 1.32 | 17.85 | 0.15 | 6.8 | 0.047 | 3.46 | 54.1 | 3.1 | 0.03 | 314 | 2.40 | 2.85 | 16.6 | 1.3 | 30 |
| J598525 | | 3.88 | 20.7 | 0.05 | 1.6 | 0.013 | 2.27 | 9.1 | 7.4 | 0.75 | 268 | 1.06 | 6.09 | 8.7 | 32.6 | 760 |
| J598526 | | 1.32 | 18.55 | 0.14 | 7.0 | 0.045 | 3.37 | 55.4 | 3.1 | 0.03 | 344 | 2.28 | 2.83 | 16.9 | 1.2 | 30 |
| J598527 | | 1.23 | 18.25 | 0.16 | 6.3 | 0.049 | 3.42 | 55.0 | 2.5 | 0.02 | 308 | 2.55 | 2.91 | 16.9 | 1.5 | 30 |
| J598528 | | 1.22 | 17.65 | 0.17 | 6.0 | 0.046 | 3.60 | 54.3 | 5.1 | 0.02 | 355 | 2.53 | 2.55 | 12.7 | 1.0 | 20 |
| J598529 | | 1.39 | 17.20 | 0.18 | 6.7 | 0.045 | 3.58 | 56.0 | 3.8 | 0.02 | 319 | 3.10 | 2.67 | 17.1 | 1.2 | 30 |
| J598530 | | 1.05 | 17.15 | 0.19 | 6.3 | 0.046 | 3.56 | 50.7 | 6.3 | 0.03 | 236 | 7.09 | 2.33 | 16.1 | 1.1 | 40 |
| J598531 | | 1.12 | 17.75 | 0.14 | 5.6 | 0.044 | 3.58 | 41.1 | 8.4 | 0.03 | 187 | 2.69 | 2.50 | 17.2 | 1.3 | 40 |
| J598532 | | 1.08 | 18.30 | 0.14 | 6.4 | 0.033 | 3.58 | 47.8 | 3.0 | 0.02 | 285 | 1.48 | 2.59 | 15.0 | 1.0 | 30 |
| J598533 | | 1.28 | 17.50 | 0.18 | 6.6 | 0.026 | 3.74 | 61.6 | 5.8 | 0.04 | 374 | 2.18 | 2.48 | 13.6 | 1.4 | 60 |
| J598534 | | 1.30 | 17.30 | 0.17 | 5.9 | 0.018 | 3.82 | 58.7 | 6.8 | 0.06 | 383 | 2.66 | 2.49 | 12.9 | 1.5 | 80 |
| J598535 | | 1.20 | 17.65 | 0.17 | 5.5 | 0.015 | 3.61 | 42.9 | 6.4 | 0.06 | 266 | 2.89 | 2.58 | 18.2 | 1.8 | 80 |
| J598536 | | 1.20 | 17.10 | 0.17 | 4.9 | 0.016 | 3.58 | 45.5 | 6.7 | 0.06 | 266 | 2.53 | 2.55 | 14.7 | 1.4 | 70 |
| J598537 | | 1.27 | 16.80 | 0.16 | 5.4 | 0.016 | 3.68 | 45.3 | 8.3 | 0.06 | 306 | 2.70 | 2.55 | 15.0 | 1.6 | 70 |
| J598538 | | 1.20 | 17.20 | 0.18 | 5.2 | 0.016 | 3.58 | 44.9 | 8.1 | 0.06 | 251 | 4.24 | 2.44 | 15.1 | 1.6 | 70 |
| J598539 | | 1.12 | 16.85 | 0.12 | 4.8 | 0.014 | 3.47 | 41.8 | 5.6 | 0.05 | 157 | 9.90 | 2.46 | 13.8 | 1.9 | 80 |

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| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598500 | | 7.6 | 131.5 | <0.002 | 0.03 | 0.61 | 3.9 | 1 | 1.3 | 34.6 | 1.50 | <0.05 | 18.3 | 0.051 | 0.52 | 4.3 |
| J598501 | | 27.9 | 119.0 | <0.002 | 0.10 | 1.18 | 5.3 | 1 | 1.2 | 37.9 | 1.36 | <0.05 | 16.3 | 0.053 | 0.49 | 3.4 |
| J598502 | | 4.9 | 118.0 | <0.002 | 0.01 | 0.85 | 4.9 | 1 | 1.1 | 38.0 | 1.49 | <0.05 | 17.5 | 0.048 | 0.45 | 2.9 |
| J598503 | | 9.4 | 129.5 | <0.002 | 0.05 | 0.86 | 4.7 | 1 | 1.2 | 36.0 | 1.46 | <0.05 | 18.1 | 0.044 | 0.52 | 3.8 |
| J598504 | | 5.2 | 126.0 | <0.002 | 0.03 | 0.84 | 5.2 | 1 | 1.4 | 38.9 | 1.45 | <0.05 | 17.6 | 0.046 | 0.49 | 4.2 |
| J598505 | | 5.4 | 131.0 | <0.002 | 0.04 | 0.89 | 5.1 | 1 | 1.4 | 31.5 | 1.37 | <0.05 | 17.7 | 0.043 | 0.56 | 3.7 |
| J598506 | | 36.7 | 131.0 | <0.002 | 0.39 | 2.18 | 4.9 | 1 | 2.1 | 18.3 | 1.32 | <0.05 | 15.7 | 0.053 | 0.53 | 4.3 |
| J598507 | | 27.2 | 123.5 | <0.002 | 0.08 | 1.33 | 5.4 | 1 | 2.2 | 37.9 | 1.49 | <0.05 | 17.9 | 0.053 | 0.52 | 4.2 |
| J598508 | | 4.1 | 119.0 | <0.002 | 0.01 | 0.77 | 5.2 | 1 | 1.7 | 35.5 | 1.42 | <0.05 | 15.8 | 0.051 | 0.46 | 3.5 |
| J598509 | | 3.4 | 123.5 | <0.002 | 0.02 | 0.69 | 5.2 | 1 | 1.7 | 33.1 | 1.24 | <0.05 | 16.6 | 0.047 | 0.48 | 3.7 |
| J598510 | | 3.5 | 131.0 | <0.002 | 0.03 | 0.68 | 4.9 | 1 | 2.0 | 29.7 | 1.22 | <0.05 | 15.8 | 0.045 | 0.53 | 3.1 |
| J598511 | | 4.2 | 136.5 | 0.002 | 0.03 | 0.72 | 4.9 | 1 | 2.7 | 35.4 | 1.35 | <0.05 | 15.4 | 0.047 | 0.52 | 3.5 |
| J598512 | | 8.7 | 140.5 | 0.002 | 0.05 | 0.88 | 5.0 | <1 | 3.2 | 34.8 | 1.32 | <0.05 | 17.7 | 0.053 | 0.61 | 3.9 |
| J598513 | | 34.2 | 132.0 | 0.003 | 0.11 | 1.41 | 4.7 | 1 | 2.4 | 34.6 | 1.41 | <0.05 | 18.1 | 0.054 | 0.57 | 3.7 |
| J598514 | | 12.9 | 131.5 | <0.002 | 0.05 | 0.97 | 5.2 | 1 | 2.2 | 38.7 | 1.22 | <0.05 | 17.7 | 0.052 | 0.61 | 3.7 |
| J598515 | | 14.6 | 127.0 | <0.002 | 0.02 | 1.04 | 4.3 | 1 | 2.1 | 41.7 | 1.29 | <0.05 | 17.7 | 0.047 | 0.62 | 3.0 |
| J598516 | | 44.1 | 145.0 | 0.003 | 0.36 | 1.64 | 5.1 | 1 | 3.3 | 34.3 | 1.29 | <0.05 | 17.8 | 0.059 | 0.75 | 5.4 |
| J598517 | | 41.1 | 123.5 | 0.002 | 0.14 | 1.27 | 4.2 | 1 | 2.1 | 35.6 | 1.34 | <0.05 | 17.7 | 0.050 | 0.58 | 4.1 |
| J598518 | | 43.7 | 126.5 | <0.002 | 0.08 | 1.40 | 3.7 | <1 | 1.9 | 29.0 | 1.36 | <0.05 | 17.3 | 0.041 | 0.54 | 4.3 |
| J598519 | | 6.5 | 142.0 | 0.003 | 0.02 | 0.91 | 5.3 | 1 | 2.5 | 33.3 | 1.46 | <0.05 | 18.0 | 0.056 | 0.52 | 3.8 |
| J598520 | | 26.4 | 138.0 | 0.003 | 0.07 | 1.15 | 5.6 | 1 | 3.5 | 42.9 | 1.47 | <0.05 | 17.6 | 0.056 | 0.55 | 4.0 |
| J598521 | | 36.7 | 136.0 | 0.002 | 0.10 | 1.54 | 4.6 | <1 | 3.9 | 38.4 | 1.44 | <0.05 | 18.2 | 0.049 | 0.62 | 4.1 |
| J598522 | | 10.1 | 134.5 | <0.002 | 0.03 | 1.01 | 5.1 | 1 | 3.3 | 38.3 | 1.47 | <0.05 | 18.8 | 0.062 | 0.62 | 3.8 |
| J598523 | | 8.4 | 138.0 | 0.002 | 0.03 | 0.90 | 5.0 | 1 | 2.6 | 36.6 | 1.43 | <0.05 | 17.8 | 0.058 | 0.63 | 3.9 |
| J598524 | | 21.4 | 137.0 | 0.002 | 0.05 | 1.21 | 5.0 | 1 | 2.8 | 35.1 | 1.37 | <0.05 | 17.5 | 0.055 | 0.62 | 4.1 |
| J598525 | | 82.8 | 890 | 0.003 | 2.80 | 1.42 | 3.6 | <1 | 1.2 | 183.0 | 0.77 | <0.05 | 3.0 | 0.230 | 9.39 | 1.5 |
| J598526 | | 27.4 | 126.5 | <0.002 | 0.07 | 1.48 | 5.0 | 1 | 3.1 | 39.0 | 1.44 | <0.05 | 17.4 | 0.057 | 0.66 | 4.0 |
| J598527 | | 30.8 | 125.0 | <0.002 | 0.08 | 1.27 | 4.6 | 1 | 2.3 | 39.3 | 1.55 | <0.05 | 18.7 | 0.050 | 0.64 | 4.3 |
| J598528 | | 76.3 | 126.5 | 0.003 | 0.21 | 1.91 | 4.4 | 1 | 1.9 | 40.2 | 0.90 | <0.05 | 16.1 | 0.050 | 0.66 | 4.1 |
| J598529 | | 48.8 | 125.0 | 0.002 | 0.14 | 1.96 | 4.8 | 1 | 2.5 | 40.6 | 1.51 | <0.05 | 18.3 | 0.061 | 0.69 | 4.4 |
| J598530 | | 99.4 | 133.0 | <0.002 | 0.21 | 2.40 | 4.5 | 1 | 2.2 | 41.9 | 1.51 | <0.05 | 18.9 | 0.053 | 0.68 | 4.6 |
| J598531 | | 58.9 | 132.0 | 0.002 | 0.20 | 2.06 | 4.7 | 2 | 2.1 | 39.2 | 1.60 | <0.05 | 17.9 | 0.050 | 0.70 | 4.5 |
| J598532 | | 16.2 | 136.5 | 0.002 | 0.07 | 1.02 | 4.4 | 1 | 1.7 | 47.8 | 1.26 | <0.05 | 18.0 | 0.045 | 0.77 | 3.6 |
| J598533 | | 20.1 | 147.5 | <0.002 | 0.09 | 1.41 | 4.5 | 1 | 2.0 | 53.3 | 1.23 | <0.05 | 18.1 | 0.068 | 0.82 | 3.9 |
| J598534 | | 22.0 | 149.5 | <0.002 | 0.13 | 1.48 | 4.2 | 1 | 2.1 | 46.2 | 1.28 | <0.05 | 19.9 | 0.079 | 0.83 | 4.4 |
| J598535 | | 21.8 | 144.0 | <0.002 | 0.08 | 1.58 | 3.9 | 1 | 2.2 | 40.0 | 1.95 | <0.05 | 24.5 | 0.067 | 0.85 | 5.4 |
| J598536 | | 20.8 | 142.0 | <0.002 | 0.12 | 1.50 | 3.8 | 1 | 1.9 | 40.3 | 1.52 | <0.05 | 20.9 | 0.069 | 0.80 | 5.5 |
| J598537 | | 23.0 | 140.5 | 0.002 | 0.14 | 1.51 | 3.9 | 1 | 1.9 | 44.9 | 1.63 | <0.05 | 22.6 | 0.073 | 0.74 | 5.7 |
| J598538 | | 19.1 | 142.0 | 0.002 | 0.12 | 1.35 | 4.0 | 1 | 2.1 | 43.1 | 1.47 | <0.05 | 20.3 | 0.071 | 0.69 | 5.0 |
| J598539 | | 18.6 | 142.0 | <0.002 | 0.07 | 1.48 | 3.7 | 1 | 2.3 | 47.4 | 1.36 | <0.05 | 19.6 | 0.070 | 0.69 | 4.6 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|
| J598500 | | 1 | 1.2 | 17.6 | 15 | 154.5 |
| J598501 | | 1 | 3.3 | 19.9 | 55 | 199.5 |
| J598502 | | 1 | 1.3 | 19.0 | 13 | 195.5 |
| J598503 | | <1 | 1.4 | 18.4 | 18 | 198.5 |
| J598504 | | 1 | 1.0 | 18.0 | 9 | 220 |
| J598505 | | 1 | 1.5 | 16.7 | 10 | 225 |
| J598506 | | <1 | 4.3 | 12.3 | 100 | 208 |
| J598507 | | 1 | 1.5 | 19.4 | 62 | 218 |
| J598508 | | 1 | 1.2 | 17.4 | 9 | 223 |
| J598509 | | 1 | 1.6 | 18.5 | 11 | 205 |
| J598510 | | <1 | 1.6 | 15.9 | 10 | 207 |
| J598511 | | 1 | 1.7 | 18.6 | 15 | 222 |
| J598512 | | 1 | 2.2 | 22.1 | 14 | 229 |
| J598513 | | 1 | 2.7 | 20.5 | 58 | 217 |
| J598514 | | 1 | 1.4 | 25.6 | 16 | 217 |
| J598515 | | 1 | 1.7 | 17.8 | 21 | 182.0 |
| J598516 | | 1 | 3.9 | 20.8 | 76 | 221 |
| J598517 | | 1 | 2.1 | 20.9 | 68 | 183.5 |
| J598518 | | 1 | 1.5 | 16.5 | 67 | 153.0 |
| J598519 | | 1 | 2.0 | 19.8 | 15 | 221 |
| J598520 | | 1 | 1.8 | 20.7 | 55 | 225 |
| J598521 | | 1 | 2.2 | 20.6 | 82 | 232 |
| J598522 | | 1 | 2.2 | 20.7 | 19 | 217 |
| J598523 | | 1 | 2.4 | 20.6 | 18 | 219 |
| J598524 | | 1 | 2.2 | 21.1 | 46 | 208 |
| J598525 | | 30 | 0.3 | 4.7 | 47 | 52.7 |
| J598526 | | 1 | 2.7 | 21.0 | 38 | 209 |
| J598527 | | 1 | 4.3 | 18.9 | 84 | 193.5 |
| J598528 | | 1 | 2.7 | 20.3 | 134 | 189.5 |
| J598529 | | 1 | 2.7 | 21.1 | 54 | 217 |
| J598530 | | 1 | 3.1 | 20.8 | 180 | 193.0 |
| J598531 | | 1 | 3.3 | 18.5 | 82 | 175.0 |
| J598532 | | 1 | 2.1 | 20.2 | 14 | 186.5 |
| J598533 | | 2 | 2.1 | 19.3 | 49 | 201 |
| J598534 | | 3 | 2.0 | 19.6 | 60 | 181.5 |
| J598535 | | 3 | 2.1 | 21.9 | 42 | 157.0 |
| J598536 | | 3 | 2.4 | 20.9 | 36 | 149.5 |
| J598537 | | 4 | 3.1 | 20.7 | 41 | 152.5 |
| J598538 | | 3 | 5.1 | 19.6 | 48 | 151.0 |
| J598539 | | 3 | 2.4 | 18.3 | 33 | 148.5 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598540 | | 1.61 | 0.021 | 0.07 | 6.31 | 154.0 | 570 | 1.86 | 0.03 | 0.32 | <0.02 | 86.5 | 1.9 | 14 | 0.89 | 6.2 |
| J598541 | | 1.77 | 0.015 | 0.08 | 6.08 | 171.5 | 570 | 1.53 | 0.06 | 0.43 | <0.02 | 85.6 | 2.1 | 17 | 0.77 | 8.8 |
| J598542 | | 1.54 | 0.012 | 0.08 | 6.14 | 188.5 | 570 | 1.67 | 0.04 | 0.35 | <0.02 | 79.6 | 1.9 | 14 | 0.75 | 11.0 |
| J598543 | | 1.69 | 0.005 | 0.38 | 6.03 | 141.0 | 590 | 1.68 | 0.03 | 0.67 | 0.22 | 79.0 | 2.6 | 16 | 0.78 | 24.7 |
| J598544 | | 1.60 | <0.005 | 0.07 | 6.16 | 96.0 | 540 | 1.90 | 0.03 | 0.39 | <0.02 | 83.9 | 1.6 | 15 | 0.95 | 9.6 |
| J598545 | | 1.58 | <0.005 | 0.08 | 6.29 | 67.4 | 580 | 2.05 | 0.03 | 0.52 | 0.03 | 85.9 | 2.1 | 15 | 1.03 | 7.4 |
| J598546 | | 1.56 | 0.011 | 0.03 | 6.37 | 22.1 | 570 | 2.04 | 0.01 | 0.45 | <0.02 | 88.6 | 1.5 | 13 | 1.09 | 3.7 |
| J598547 | | 1.57 | <0.005 | 0.05 | 5.92 | 43.8 | 560 | 1.95 | 0.05 | 0.41 | 0.02 | 89.2 | 1.8 | 13 | 0.98 | 5.5 |
| J598548 | | 1.68 | <0.005 | 0.01 | 6.20 | 103.0 | 620 | 2.32 | 0.08 | 0.44 | 0.02 | 91.9 | 2.4 | 15 | 0.97 | 2.8 |
| J598549 | | 1.84 | <0.005 | 0.04 | 5.91 | 29.0 | 620 | 2.17 | 0.05 | 0.50 | 0.02 | 98.6 | 2.1 | 12 | 0.88 | 2.3 |
| J598550 | | 0.03 | NSS | 0.77 | 8.17 | 3.2 | 100 | 2.24 | 1.20 | 0.91 | 0.11 | 16.45 | 8.7 | 29 | 20.2 | 12.5 |
| J598551 | | 1.55 | <0.005 | 0.10 | 6.29 | 104.0 | 690 | 1.84 | 0.04 | 0.31 | 0.02 | 87.4 | 2.1 | 14 | 1.03 | 7.3 |
| J598552 | | 1.68 | <0.005 | 0.05 | 6.49 | 52.1 | 670 | 1.81 | 0.02 | 0.49 | <0.02 | 96.7 | 1.8 | 17 | 0.92 | 6.8 |
| J598553 | | 1.63 | <0.005 | 0.03 | 6.28 | 46.3 | 680 | 1.67 | 0.02 | 0.51 | <0.02 | 96.5 | 2.2 | 15 | 0.93 | 4.9 |
| J598554 | | 1.75 | <0.005 | 0.06 | 6.01 | 30.9 | 650 | 1.92 | 0.01 | 0.57 | <0.02 | 92.0 | 2.0 | 12 | 0.98 | 6.0 |
| J598555 | | 1.62 | <0.005 | 0.04 | 6.24 | 30.5 | 720 | 1.71 | 0.02 | 0.54 | <0.02 | 91.2 | 1.8 | 18 | 0.97 | 4.8 |
| J598556 | | 1.60 | <0.005 | 0.06 | 6.06 | 105.5 | 640 | 2.04 | 0.03 | 0.31 | 0.04 | 100.5 | 2.0 | 12 | 0.89 | 10.6 |
| J598557 | | 1.64 | 0.022 | 0.06 | 6.40 | 211 | 710 | 1.77 | 0.03 | 0.55 | <0.02 | 96.1 | 3.1 | 17 | 0.78 | 9.0 |
| J598558 | | 1.70 | <0.005 | 0.05 | 6.48 | 64.4 | 660 | 2.24 | 0.13 | 0.49 | <0.02 | 85.0 | 1.4 | 13 | 0.78 | 4.0 |
| J598559 | | 1.66 | <0.005 | 0.03 | 6.39 | 118.0 | 610 | 1.57 | 0.01 | 0.57 | <0.02 | 93.5 | 2.4 | 21 | 0.79 | 4.4 |
| J598560 | | 1.63 | 0.005 | 0.06 | 6.27 | 69.8 | 610 | 1.63 | 0.03 | 0.42 | <0.02 | 97.0 | 1.7 | 14 | 0.77 | 7.3 |
| J598561 | | 1.70 | <0.005 | 0.16 | 6.31 | 97.2 | 640 | 1.82 | 0.02 | 0.45 | <0.02 | 93.2 | 2.4 | 21 | 0.72 | 4.9 |
| J598562 | | 1.74 | <0.005 | 0.10 | 6.57 | 313 | 710 | 1.78 | 0.02 | 0.75 | <0.02 | 94.7 | 3.3 | 14 | 0.84 | 3.9 |
| J598563 | | 1.56 | 0.005 | 0.07 | 6.28 | 106.5 | 670 | 1.74 | 0.01 | 0.54 | <0.02 | 85.0 | 2.8 | 15 | 0.79 | 6.3 |
| J598564 | | 1.85 | 0.010 | 0.10 | 6.35 | 77.0 | 580 | 2.39 | 0.04 | 0.48 | <0.02 | 63.5 | 2.6 | 12 | 0.89 | 11.3 |
| J598565 | | 1.76 | 0.016 | 0.11 | 6.14 | 52.7 | 750 | 1.86 | 0.10 | 0.43 | 0.05 | 88.6 | 3.0 | 13 | 0.98 | 31.2 |
| J598566 | | 1.76 | 0.031 | 0.07 | 6.27 | 77.4 | 780 | 1.37 | 0.12 | 0.70 | 0.12 | 95.0 | 2.1 | 14 | 0.88 | 20.8 |
| J598567 | | 1.35 | 0.019 | 0.06 | 6.31 | 239 | 760 | 1.56 | 0.09 | 0.60 | 0.10 | 91.9 | 3.0 | 14 | 0.96 | 10.9 |
| J598568 | | 2.15 | <0.005 | 0.03 | 6.21 | 83.4 | 590 | 1.91 | 0.02 | 0.53 | <0.02 | 92.0 | 1.8 | 14 | 0.78 | 3.6 |
| J598569 | | 1.81 | 0.023 | 0.02 | 6.17 | 112.5 | 600 | 1.49 | 0.02 | 0.45 | <0.02 | 87.2 | 1.8 | 27 | 0.76 | 4.4 |
| J598570 | | 1.78 | 0.016 | 0.05 | 6.45 | 146.5 | 680 | 1.58 | 0.02 | 0.53 | <0.02 | 93.7 | 2.1 | 14 | 0.84 | 7.3 |
| J598571 | | 1.71 | 0.034 | 0.09 | 6.13 | 176.0 | 760 | 1.73 | 0.06 | 0.60 | 0.12 | 100.5 | 3.3 | 17 | 0.82 | 13.0 |
| J598572 | | 1.73 | 0.022 | 0.06 | 6.32 | 69.9 | 800 | 2.00 | 0.08 | 0.55 | 0.04 | 92.1 | 2.8 | 15 | 0.79 | 18.7 |
| J598573 | | 1.68 | 0.008 | 0.09 | 6.24 | 94.4 | 750 | 1.98 | 0.06 | 0.56 | <0.02 | 109.5 | 2.9 | 15 | 1.01 | 13.5 |
| J598574 | | 1.56 | 0.005 | 0.04 | 6.35 | 54.1 | 820 | 1.77 | 0.04 | 0.43 | <0.02 | 92.1 | 2.1 | 14 | 0.78 | 2.9 |
| J598575 | | 0.04 | 3.39 | 0.15 | 1.51 | 1.3 | 110 | 0.27 | 0.13 | 0.01 | 0.12 | 19.20 | 1.0 | 12 | 0.63 | 5.9 |
| J598576 | | 1.65 | 0.009 | 0.06 | 6.18 | 38.7 | 690 | 1.95 | 0.03 | 0.50 | <0.02 | 82.9 | 2.8 | 15 | 0.81 | 3.9 |
| J598577 | | 1.54 | 0.005 | 0.07 | 6.09 | 103.5 | 670 | 1.86 | 0.04 | 0.59 | <0.02 | 98.5 | 2.3 | 13 | 0.94 | 4.1 |
| J598578 | | 1.71 | 0.008 | 0.04 | 6.19 | 144.5 | 740 | 1.76 | 0.03 | 0.55 | <0.02 | 87.5 | 4.6 | 14 | 1.00 | 8.1 |
| J598579 | | 1.65 | 0.013 | 0.04 | 6.13 | 119.5 | 700 | 1.77 | 0.03 | 0.43 | <0.02 | 91.7 | 3.2 | 13 | 1.00 | 3.5 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
| J598540 | | 1.19 | 17.30 | 0.16 | 5.2 | 0.015 | 3.49 | 41.4 | 6.4 | 0.06 | 262 | 1.68 | 2.47 | 14.3 | 1.4 | 70 |
| J598541 | | 1.20 | 15.15 | 0.14 | 4.7 | 0.010 | 3.43 | 41.9 | 6.2 | 0.06 | 328 | 1.23 | 2.36 | 12.8 | 1.6 | 60 |
| J598542 | | 1.07 | 16.10 | 0.12 | 4.3 | 0.011 | 3.61 | 39.6 | 7.1 | 0.05 | 226 | 1.03 | 2.35 | 13.3 | 1.4 | 70 |
| J598543 | | 1.28 | 16.10 | 0.12 | 5.4 | 0.013 | 3.43 | 41.0 | 7.7 | 0.05 | 303 | 1.28 | 2.35 | 13.2 | 2.5 | 60 |
| J598544 | | 1.14 | 16.90 | 0.13 | 4.9 | 0.013 | 3.51 | 43.3 | 6.6 | 0.06 | 238 | 1.86 | 2.52 | 13.8 | 1.5 | 70 |
| J598545 | | 1.19 | 16.15 | 0.13 | 5.3 | 0.013 | 3.55 | 42.8 | 6.0 | 0.06 | 251 | 1.56 | 2.57 | 14.2 | 1.7 | 60 |
| J598546 | | 1.23 | 17.15 | 0.09 | 5.5 | 0.014 | 3.56 | 44.6 | 5.5 | 0.06 | 204 | 1.23 | 2.60 | 15.0 | 1.6 | 70 |
| J598547 | | 1.22 | 16.75 | 0.16 | 5.0 | 0.007 | 3.44 | 47.4 | 5.1 | 0.06 | 177 | 1.06 | 2.50 | 13.8 | 1.7 | 70 |
| J598548 | | 1.25 | 16.95 | 0.21 | 5.3 | 0.007 | 3.58 | 48.5 | 4.8 | 0.06 | 169 | 0.68 | 2.53 | 14.7 | 1.3 | 80 |
| J598549 | | 1.19 | 16.90 | 0.22 | 5.2 | 0.006 | 3.45 | 52.9 | 5.0 | 0.06 | 180 | 0.92 | 2.45 | 14.2 | 1.4 | 70 |
| J598550 | | 3.91 | 19.25 | 0.16 | 1.4 | 0.013 | 2.54 | 8.8 | 4.5 | 0.89 | 238 | 1.02 | 4.94 | 9.0 | 30.0 | 690 |
| J598551 | | 1.22 | 16.50 | 0.13 | 4.9 | 0.008 | 3.52 | 40.4 | 6.5 | 0.06 | 245 | 1.09 | 2.49 | 14.6 | 1.8 | 80 |
| J598552 | | 1.23 | 17.35 | 0.14 | 5.1 | 0.012 | 3.71 | 44.4 | 6.5 | 0.06 | 269 | 1.62 | 2.57 | 16.3 | 1.9 | 60 |
| J598553 | | 1.20 | 15.95 | 0.13 | 4.6 | 0.009 | 3.58 | 46.4 | 7.0 | 0.06 | 244 | 1.36 | 2.45 | 12.9 | 1.6 | 70 |
| J598554 | | 1.20 | 16.50 | 0.14 | 4.8 | 0.007 | 3.48 | 44.4 | 6.1 | 0.06 | 214 | 1.03 | 2.34 | 14.7 | 7.3 | 70 |
| J598555 | | 1.28 | 16.00 | 0.13 | 4.7 | 0.009 | 3.59 | 43.3 | 6.0 | 0.06 | 213 | 1.32 | 2.46 | 13.8 | 1.7 | 80 |
| J598556 | | 1.19 | 16.05 | 0.15 | 5.3 | 0.014 | 2.96 | 46.8 | 6.8 | 0.06 | 290 | 0.86 | 2.57 | 14.0 | 1.4 | 90 |
| J598557 | | 1.34 | 16.50 | 0.13 | 5.3 | 0.018 | 3.35 | 46.2 | 6.3 | 0.06 | 268 | 1.27 | 2.61 | 15.7 | 1.6 | 70 |
| J598558 | | 1.18 | 16.75 | 0.15 | 5.5 | 0.015 | 3.55 | 42.2 | 5.0 | 0.06 | 237 | 1.03 | 2.60 | 17.3 | 1.4 | 70 |
| J598559 | | 1.21 | 16.10 | 0.12 | 5.4 | 0.011 | 3.63 | 43.6 | 5.1 | 0.06 | 254 | 1.35 | 2.46 | 15.8 | 1.7 | 70 |
| J598560 | | 1.12 | 16.60 | 0.16 | 5.0 | 0.017 | 3.59 | 45.9 | 5.6 | 0.06 | 255 | 1.62 | 2.44 | 16.0 | 1.3 | 70 |
| J598561 | | 1.22 | 16.75 | 0.13 | 5.3 | 0.010 | 3.63 | 44.8 | 4.6 | 0.06 | 244 | 1.05 | 2.50 | 14.8 | 2.2 | 70 |
| J598562 | | 1.31 | 16.30 | 0.13 | 5.5 | 0.017 | 3.26 | 46.9 | 5.6 | 0.06 | 385 | 1.34 | 2.59 | 14.9 | 1.8 | 70 |
| J598563 | | 1.24 | 15.60 | 0.15 | 5.1 | 0.016 | 3.04 | 42.6 | 6.2 | 0.06 | 315 | 1.68 | 2.48 | 14.6 | 2.2 | 80 |
| J598564 | | 1.32 | 16.45 | 0.11 | 5.0 | 0.027 | 2.50 | 30.1 | 9.3 | 0.07 | 381 | 1.40 | 2.64 | 14.5 | 1.9 | 90 |
| J598565 | | 1.36 | 16.35 | 0.14 | 5.6 | 0.034 | 3.55 | 42.5 | 12.1 | 0.07 | 291 | 1.49 | 1.78 | 15.9 | 2.5 | 80 |
| J598566 | | 1.29 | 15.85 | 0.17 | 5.1 | 0.033 | 3.77 | 42.1 | 10.6 | 0.06 | 448 | 1.03 | 2.07 | 16.1 | 1.4 | 70 |
| J598567 | | 1.29 | 16.50 | 0.18 | 5.1 | 0.019 | 3.76 | 44.0 | 9.2 | 0.06 | 555 | 1.41 | 2.26 | 15.9 | 1.7 | 80 |
| J598568 | | 1.19 | 16.30 | 0.12 | 5.9 | 0.016 | 3.41 | 42.3 | 4.9 | 0.06 | 261 | 1.87 | 2.56 | 16.6 | 1.2 | 60 |
| J598569 | | 1.26 | 15.40 | 0.13 | 5.1 | 0.018 | 3.51 | 41.2 | 4.9 | 0.06 | 235 | 1.63 | 2.47 | 14.5 | 1.8 | 70 |
| J598570 | | 1.21 | 16.90 | 0.12 | 5.2 | 0.019 | 3.57 | 44.2 | 7.7 | 0.06 | 261 | 1.58 | 2.59 | 15.8 | 1.6 | 70 |
| J598571 | | 1.22 | 15.75 | 0.15 | 5.0 | 0.019 | 3.52 | 47.6 | 7.3 | 0.06 | 269 | 1.43 | 2.35 | 14.2 | 2.0 | 70 |
| J598572 | | 1.32 | 15.70 | 0.15 | 5.6 | 0.025 | 3.63 | 44.2 | 9.3 | 0.06 | 259 | 1.36 | 2.39 | 14.9 | 1.8 | 70 |
| J598573 | | 1.90 | 17.05 | 0.17 | 5.0 | 0.028 | 3.21 | 52.0 | 8.5 | 0.07 | 273 | 1.66 | 2.55 | 15.9 | 3.0 | 70 |
| J598574 | | 1.32 | 16.15 | 0.15 | 5.0 | 0.017 | 3.72 | 45.4 | 4.5 | 0.06 | 220 | 1.42 | 2.44 | 14.1 | 1.9 | 80 |
| J598575 | | 1.35 | 3.45 | 0.06 | 0.8 | 0.013 | 0.15 | 9.9 | 16.9 | 0.02 | 98 | 0.73 | 0.02 | 3.4 | 5.2 | 50 |
| J598576 | | 1.27 | 15.80 | 0.13 | 5.3 | 0.007 | 3.58 | 41.3 | 4.9 | 0.07 | 198 | 1.94 | 2.39 | 14.9 | 2.3 | 70 |
| J598577 | | 1.17 | 16.80 | 0.17 | 5.0 | 0.014 | 3.50 | 48.7 | 6.4 | 0.07 | 274 | 1.79 | 2.34 | 14.3 | 1.5 | 70 |
| J598578 | | 1.29 | 16.10 | 0.14 | 5.3 | 0.010 | 3.74 | 41.8 | 6.7 | 0.07 | 332 | 2.50 | 2.39 | 15.0 | 2.2 | 80 |
| J598579 | | 1.27 | 15.95 | 0.16 | 5.3 | 0.011 | 3.57 | 43.8 | 6.0 | 0.07 | 226 | 1.43 | 2.32 | 15.0 | 1.7 | 70 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598540 | | 10.5 | 139.0 | 0.002 | 0.08 | 1.26 | 3.9 | 1 | 1.5 | 50.1 | 1.48 | <0.05 | 21.0 | 0.067 | 0.64 | 5.1 |
| J598541 | | 10.9 | 134.0 | 0.002 | 0.11 | 1.09 | 3.4 | 1 | 1.4 | 48.9 | 1.32 | <0.05 | 19.7 | 0.065 | 0.63 | 5.0 |
| J598542 | | 13.5 | 136.5 | 0.002 | 0.11 | 1.11 | 3.4 | 2 | 1.5 | 45.7 | 1.29 | <0.05 | 19.5 | 0.063 | 0.62 | 4.6 |
| J598543 | | 253 | 129.5 | 0.003 | 0.29 | 2.33 | 3.5 | <1 | 1.5 | 53.8 | 1.35 | <0.05 | 17.4 | 0.065 | 0.60 | 4.5 |
| J598544 | | 18.3 | 139.0 | 0.002 | 0.06 | 0.98 | 3.7 | 1 | 1.5 | 53.7 | 1.27 | <0.05 | 20.0 | 0.062 | 0.62 | 4.6 |
| J598545 | | 20.3 | 135.0 | 0.004 | 0.06 | 0.88 | 3.4 | 1 | 1.5 | 53.5 | 1.52 | <0.05 | 21.8 | 0.067 | 0.61 | 5.4 |
| J598546 | | 7.3 | 148.0 | <0.002 | 0.01 | 0.92 | 4.0 | <1 | 1.5 | 53.1 | 1.45 | <0.05 | 21.0 | 0.067 | 0.60 | 4.5 |
| J598547 | | 7.9 | 138.5 | 0.002 | 0.01 | 1.10 | 3.8 | <1 | 1.3 | 45.0 | 1.33 | <0.05 | 19.4 | 0.065 | 0.56 | 4.4 |
| J598548 | | 8.4 | 137.5 | 0.002 | 0.01 | 0.98 | 3.8 | <1 | 1.1 | 57.0 | 1.42 | <0.05 | 21.3 | 0.064 | 0.57 | 4.1 |
| J598549 | | 7.7 | 133.5 | 0.002 | <0.01 | 1.18 | 3.9 | <1 | 1.1 | 54.9 | 1.38 | <0.05 | 20.0 | 0.065 | 0.54 | 4.3 |
| J598550 | | 79.4 | 580 | <0.002 | 2.95 | 1.25 | 3.1 | <1 | 1.0 | 167.5 | 0.79 | <0.05 | 2.6 | 0.218 | 6.56 | 1.4 |
| J598551 | | 9.9 | 133.5 | <0.002 | 0.05 | 1.50 | 3.6 | 1 | 1.3 | 56.4 | 1.36 | <0.05 | 18.0 | 0.066 | 0.57 | 4.4 |
| J598552 | | 6.8 | 136.0 | <0.002 | 0.05 | 1.14 | 3.6 | 1 | 1.4 | 53.8 | 1.50 | <0.05 | 21.2 | 0.066 | 0.62 | 6.0 |
| J598553 | | 6.8 | 135.5 | <0.002 | 0.03 | 1.04 | 3.6 | 1 | 1.4 | 55.5 | 1.18 | <0.05 | 17.6 | 0.069 | 0.58 | 4.3 |
| J598554 | | 5.5 | 130.0 | <0.002 | 0.03 | 0.97 | 3.8 | 1 | 1.4 | 56.8 | 1.31 | <0.05 | 17.4 | 0.065 | 0.54 | 4.3 |
| J598555 | | 5.5 | 138.0 | <0.002 | 0.02 | 0.88 | 3.7 | 1 | 1.3 | 62.2 | 1.26 | <0.05 | 17.3 | 0.069 | 0.60 | 4.2 |
| J598556 | | 9.4 | 122.0 | <0.002 | 0.05 | 0.82 | 3.7 | 1 | 1.8 | 49.1 | 1.31 | <0.05 | 18.8 | 0.068 | 0.54 | 4.3 |
| J598557 | | 8.0 | 124.0 | 0.002 | 0.11 | 0.87 | 3.6 | 1 | 1.5 | 51.5 | 1.50 | <0.05 | 19.8 | 0.068 | 0.56 | 5.4 |
| J598558 | | 6.9 | 134.0 | 0.002 | 0.03 | 0.95 | 3.9 | 1 | 1.6 | 55.8 | 1.83 | <0.05 | 20.5 | 0.067 | 0.60 | 6.1 |
| J598559 | | 5.3 | 138.0 | <0.002 | 0.04 | 0.87 | 3.6 | 1 | 1.4 | 46.5 | 1.49 | <0.05 | 21.6 | 0.062 | 0.62 | 5.5 |
| J598560 | | 11.1 | 133.0 | 0.002 | 0.06 | 0.85 | 3.7 | 2 | 1.4 | 48.6 | 1.46 | <0.05 | 19.6 | 0.067 | 0.56 | 5.0 |
| J598561 | | 6.6 | 134.0 | 0.002 | 0.03 | 0.85 | 3.6 | 2 | 1.3 | 50.8 | 1.40 | <0.05 | 19.1 | 0.060 | 0.59 | 4.9 |
| J598562 | | 6.7 | 128.5 | 0.003 | 0.05 | 0.75 | 3.7 | 1 | 1.4 | 56.8 | 1.39 | <0.05 | 20.2 | 0.066 | 0.58 | 4.7 |
| J598563 | | 7.2 | 117.5 | <0.002 | 0.07 | 0.73 | 3.5 | <1 | 1.5 | 59.6 | 1.40 | <0.05 | 18.6 | 0.071 | 0.56 | 4.6 |
| J598564 | | 8.9 | 102.5 | <0.002 | 0.11 | 1.00 | 3.8 | 1 | 2.8 | 49.1 | 1.50 | <0.05 | 19.8 | 0.078 | 0.49 | 5.7 |
| J598565 | | 11.5 | 141.0 | 0.002 | 0.39 | 0.74 | 3.7 | 1 | 4.5 | 41.6 | 1.67 | <0.05 | 21.4 | 0.079 | 0.56 | 5.8 |
| J598566 | | 11.0 | 137.0 | <0.002 | 0.26 | 0.66 | 3.6 | 2 | 3.9 | 43.5 | 1.44 | <0.05 | 19.6 | 0.077 | 0.66 | 5.4 |
| J598567 | | 13.9 | 139.0 | <0.002 | 0.16 | 0.80 | 3.7 | 1 | 2.4 | 47.6 | 1.45 | <0.05 | 19.7 | 0.078 | 0.61 | 5.7 |
| J598568 | | 5.6 | 132.0 | 0.002 | 0.04 | 0.82 | 3.7 | 1 | 1.3 | 50.4 | 1.64 | <0.05 | 21.2 | 0.061 | 0.59 | 5.9 |
| J598569 | | 5.0 | 126.5 | <0.002 | 0.05 | 0.81 | 3.6 | 1 | 1.4 | 47.1 | 1.45 | <0.05 | 20.0 | 0.058 | 0.63 | 5.1 |
| J598570 | | 15.0 | 137.0 | 0.002 | 0.10 | 0.86 | 3.8 | 1 | 1.5 | 49.9 | 1.47 | <0.05 | 19.5 | 0.071 | 0.57 | 5.7 |
| J598571 | | 55.7 | 141.0 | <0.002 | 0.17 | 0.92 | 3.6 | 1 | 1.4 | 55.7 | 1.25 | <0.05 | 18.7 | 0.069 | 0.64 | 4.8 |
| J598572 | | 10.4 | 129.5 | <0.002 | 0.27 | 0.81 | 3.6 | 1 | 1.6 | 52.1 | 1.52 | <0.05 | 19.0 | 0.072 | 0.60 | 5.1 |
| J598573 | | 7.2 | 121.0 | 0.002 | 0.17 | 1.06 | 4.1 | 1 | 2.3 | 54.1 | 1.39 | <0.05 | 20.5 | 0.073 | 0.54 | 5.3 |
| J598574 | | 6.6 | 130.0 | <0.002 | 0.03 | 0.95 | 3.5 | 1 | 1.3 | 59.6 | 1.37 | <0.05 | 18.7 | 0.063 | 0.61 | 5.2 |
| J598575 | | 30.2 | 12.9 | <0.002 | 1.02 | 0.54 | 1.2 | <1 | 1.4 | 12.9 | 0.31 | <0.05 | 3.4 | 0.077 | 0.41 | 0.5 |
| J598576 | | 5.4 | 124.5 | 0.002 | 0.02 | 1.22 | 3.6 | <1 | 1.3 | 52.1 | 1.43 | <0.05 | 19.9 | 0.062 | 0.59 | 5.6 |
| J598577 | | 5.0 | 132.5 | <0.002 | 0.04 | 1.00 | 3.8 | 1 | 1.4 | 58.6 | 1.31 | <0.05 | 18.7 | 0.065 | 0.60 | 4.8 |
| J598578 | | 6.0 | 134.0 | <0.002 | 0.09 | 0.98 | 3.5 | 1 | 1.3 | 55.4 | 1.49 | <0.05 | 18.9 | 0.068 | 0.61 | 5.6 |
| J598579 | | 5.9 | 127.0 | <0.002 | 0.04 | 0.82 | 3.7 | 1 | 1.3 | 52.4 | 1.38 | <0.05 | 20.2 | 0.063 | 0.55 | 5.5 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|
| J598540 | | 3 | 1.5 | 22.1 | 33 | 150.5 |
| J598541 | | 3 | 1.5 | 19.2 | 25 | 137.5 |
| J598542 | | 3 | 1.4 | 18.3 | 24 | 126.0 |
| J598543 | | 3 | 1.6 | 17.4 | 158 | 152.5 |
| J598544 | | 3 | 1.6 | 18.4 | 21 | 144.0 |
| J598545 | | 3 | 1.3 | 21.6 | 32 | 147.0 |
| J598546 | | 3 | 1.4 | 22.4 | 19 | 159.0 |
| J598547 | | 3 | 1.4 | 18.6 | 18 | 143.0 |
| J598548 | | 3 | 1.3 | 20.2 | 23 | 157.0 |
| J598549 | | 3 | 1.0 | 20.3 | 19 | 155.0 |
| J598550 | | 27 | 0.2 | 4.9 | 37 | 48.7 |
| J598551 | | 3 | 1.1 | 20.5 | 30 | 144.0 |
| J598552 | | 3 | 1.2 | 20.8 | 22 | 152.5 |
| J598553 | | 3 | 1.2 | 17.1 | 22 | 134.0 |
| J598554 | | 3 | 1.0 | 17.8 | 16 | 151.5 |
| J598555 | | 3 | 1.0 | 18.5 | 17 | 139.0 |
| J598556 | | 3 | 1.3 | 19.7 | 26 | 161.5 |
| J598557 | | 3 | 1.5 | 21.4 | 18 | 150.0 |
| J598558 | | 3 | 2.5 | 20.6 | 16 | 150.0 |
| J598559 | | 3 | 1.3 | 19.2 | 14 | 158.0 |
| J598560 | | 3 | 1.5 | 19.5 | 17 | 146.5 |
| J598561 | | 3 | 1.2 | 17.7 | 14 | 152.5 |
| J598562 | | 3 | 1.2 | 21.6 | 20 | 164.5 |
| J598563 | | 4 | 1.8 | 21.0 | 21 | 148.0 |
| J598564 | | 4 | 2.3 | 21.6 | 30 | 140.0 |
| J598565 | | 4 | 3.2 | 23.3 | 50 | 165.0 |
| J598566 | | 3 | 3.1 | 21.6 | 65 | 151.5 |
| J598567 | | 3 | 2.0 | 21.3 | 72 | 157.5 |
| J598568 | | 3 | 1.8 | 19.5 | 16 | 160.0 |
| J598569 | | 3 | 1.6 | 17.7 | 14 | 145.5 |
| J598570 | | 3 | 1.7 | 20.6 | 30 | 158.0 |
| J598571 | | 3 | 1.5 | 18.5 | 50 | 152.5 |
| J598572 | | 3 | 1.8 | 19.2 | 27 | 164.0 |
| J598573 | | 4 | 1.4 | 21.2 | 22 | 150.5 |
| J598574 | | 3 | 1.1 | 15.9 | 19 | 141.0 |
| J598575 | | 7 | 0.9 | 2.8 | 14 | 20.8 |
| J598576 | | 3 | 0.9 | 16.1 | 17 | 147.5 |
| J598577 | | 3 | 1.2 | 16.5 | 18 | 150.0 |
| J598578 | | 3 | 1.1 | 17.9 | 20 | 146.0 |
| J598579 | | 3 | 1.1 | 17.9 | 23 | 155.0 |

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

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2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598580 | | 1.70 | 0.005 | 0.05 | 6.15 | 53.1 | 720 | 1.78 | 0.02 | 0.56 | <0.02 | 89.6 | 3.3 | 17 | 0.92 | 4.5 |
| J598581 | | 1.63 | 0.009 | 0.05 | 6.16 | 130.5 | 770 | 1.89 | 0.02 | 0.55 | 0.02 | 109.0 | 4.5 | 13 | 0.98 | 6.9 |
| J598582 | | 1.72 | <0.005 | 0.05 | 6.14 | 71.5 | 690 | 1.67 | 0.03 | 0.55 | 0.03 | 93.2 | 2.6 | 14 | 0.95 | 6.1 |
| J598583 | | 1.90 | 0.005 | <0.01 | 6.21 | 104.0 | 650 | 2.17 | 0.07 | 0.76 | 0.05 | 90.8 | 2.3 | 12 | 1.05 | 3.6 |
| J598584 | | 1.67 | 0.013 | <0.01 | 6.10 | 49.7 | 630 | 2.07 | 0.08 | 0.46 | 0.06 | 90.2 | 3.3 | 11 | 0.91 | 3.0 |
| J598585 | | 1.72 | 0.059 | <0.01 | 5.99 | 54.4 | 650 | 2.20 | 0.03 | 0.48 | 0.04 | 85.9 | 3.7 | 11 | 0.87 | 4.1 |
| J598586 | | 1.76 | 0.007 | <0.01 | 6.12 | 60.2 | 670 | 2.13 | 0.04 | 0.50 | 0.07 | 96.8 | 2.0 | 12 | 1.04 | 5.5 |
| J598587 | | 1.55 | 0.014 | <0.01 | 6.14 | 70.5 | 660 | 2.40 | 0.07 | 0.47 | 0.03 | 98.4 | 2.5 | 10 | 0.94 | 12.3 |
| J598588 | | 1.83 | 0.025 | <0.01 | 6.03 | 134.0 | 600 | 2.45 | 0.07 | 0.47 | 0.04 | 90.9 | 2.1 | 13 | 0.93 | 7.2 |
| J598589 | | 1.64 | 0.008 | <0.01 | 6.17 | 75.1 | 610 | 2.29 | 0.09 | 0.48 | 0.06 | 94.4 | 2.6 | 12 | 1.09 | 4.8 |
| J598590 | | 1.97 | 0.058 | <0.01 | 5.69 | 78.3 | 590 | 1.93 | 0.07 | 0.48 | 0.04 | 93.9 | 1.9 | 11 | 0.91 | 6.5 |
| J598591 | | 1.95 | 0.006 | <0.01 | 5.90 | 78.4 | 600 | 2.03 | 0.08 | 0.51 | 0.03 | 83.6 | 1.7 | 11 | 0.93 | 5.6 |
| J598592 | | 1.59 | 0.070 | <0.01 | 5.97 | 81.6 | 570 | 2.32 | 0.08 | 0.51 | 0.03 | 85.5 | 2.0 | 17 | 0.95 | 9.5 |
| J598593 | | 1.75 | 0.010 | 0.01 | 6.36 | 52.3 | 620 | 2.37 | 0.05 | 0.49 | 0.02 | 92.1 | 1.5 | 12 | 0.99 | 3.3 |
| J598594 | | 1.64 | 0.050 | <0.01 | 6.16 | 85.0 | 650 | 2.00 | 0.08 | 0.42 | 0.03 | 86.2 | 2.5 | 13 | 0.93 | 13.1 |
| J598595 | | 1.72 | 0.005 | <0.01 | 6.10 | 58.0 | 600 | 2.28 | 0.09 | 0.40 | 0.05 | 91.2 | 1.3 | 12 | 1.02 | 3.5 |
| J598596 | | 1.84 | 0.025 | 0.01 | 6.05 | 73.5 | 570 | 2.23 | 0.10 | 0.46 | 0.10 | 89.7 | 1.6 | 12 | 1.12 | 5.1 |
| J598597 | | 1.71 | <0.005 | 0.04 | 6.12 | 109.0 | 620 | 2.30 | 0.13 | 0.84 | 0.15 | 93.1 | 2.4 | 12 | 1.05 | 28.6 |
| J598598 | | 1.66 | <0.005 | <0.01 | 6.02 | 101.0 | 600 | 2.18 | 0.08 | 0.54 | 0.03 | 88.2 | 1.8 | 12 | 0.93 | 6.8 |
| J598599 | | 1.69 | 0.029 | <0.01 | 5.96 | 33.5 | 590 | 2.35 | 0.06 | 0.47 | 0.05 | 83.0 | 1.9 | 11 | 1.15 | 3.4 |
| J598600 | | 0.03 | 8.41 | 0.46 | 8.63 | 3.5 | 190 | 2.53 | 0.09 | 1.17 | 0.43 | 18.25 | 11.7 | 35 | 1.52 | 17.3 |
| J598601 | | 1.73 | 0.008 | <0.01 | 6.38 | 32.1 | 660 | 2.27 | 0.04 | 0.49 | 0.02 | 90.4 | 2.1 | 16 | 1.31 | 2.6 |
| J598602 | | 1.73 | 0.084 | <0.01 | 6.29 | 87.4 | 640 | 2.18 | 0.06 | 0.49 | 0.02 | 83.5 | 1.7 | 17 | 1.05 | 4.7 |
| J598603 | | 1.78 | 0.009 | <0.01 | 6.04 | 82.9 | 640 | 2.14 | 0.07 | 0.47 | 0.03 | 94.2 | 2.6 | 12 | 1.05 | 6.8 |
| J598604 | | 1.69 | 0.010 | <0.01 | 6.32 | 43.6 | 720 | 2.14 | 0.04 | 0.49 | 0.02 | 84.5 | 1.4 | 7 | 1.08 | 3.1 |
| J598605 | | 1.85 | 0.018 | <0.01 | 5.82 | 159.0 | 570 | 2.09 | 0.07 | 0.46 | 0.03 | 81.1 | 2.0 | 11 | 0.95 | 8.9 |
| J598606 | | 1.76 | 0.044 | <0.01 | 6.07 | 131.0 | 620 | 1.88 | 0.06 | 0.51 | 0.03 | 86.1 | 2.0 | 13 | 1.08 | 6.2 |
| J598607 | | 1.70 | <0.005 | <0.01 | 6.19 | 45.2 | 600 | 2.44 | 0.05 | 0.50 | 0.03 | 91.1 | 2.1 | 12 | 1.17 | 5.1 |
| J598608 | | 1.66 | 0.011 | <0.01 | 6.14 | 47.4 | 580 | 2.34 | 0.05 | 0.48 | 0.03 | 85.3 | 1.8 | 12 | 1.03 | 6.0 |
| J598609 | | 1.60 | 0.019 | <0.01 | 6.05 | 51.8 | 530 | 2.52 | 0.07 | 0.45 | 0.04 | 83.1 | 1.3 | 13 | 1.04 | 4.6 |
| J598610 | | 1.71 | 0.011 | <0.01 | 6.08 | 99.4 | 560 | 2.37 | 0.08 | 0.47 | 0.03 | 85.7 | 1.9 | 13 | 1.03 | 7.0 |
| J598611 | | 1.50 | 0.014 | <0.01 | 6.32 | 62.2 | 610 | 2.10 | 0.09 | 0.57 | 0.04 | 80.0 | 3.0 | 13 | 1.06 | 12.4 |
| J598612 | | 1.74 | 0.145 | <0.01 | 6.21 | 1245 | 620 | 2.23 | 0.13 | 0.49 | 0.03 | 93.0 | 2.8 | 13 | 1.08 | 10.4 |
| J598613 | | 1.61 | 0.051 | <0.01 | 6.09 | 76.3 | 580 | 2.12 | 0.11 | 0.51 | 0.03 | 87.1 | 1.5 | 11 | 0.95 | 8.8 |
| J598614 | | 1.80 | 0.023 | <0.01 | 5.81 | 44.0 | 560 | 1.71 | 0.07 | 0.47 | 0.03 | 81.5 | 1.7 | 9 | 1.03 | 6.9 |
| J598615 | | 1.71 | 0.024 | <0.01 | 5.98 | 78.8 | 570 | 2.15 | 0.11 | 0.48 | 0.08 | 84.2 | 1.7 | 12 | 1.05 | 12.8 |
| J598616 | | 1.76 | 0.041 | 0.01 | 6.09 | 50.8 | 540 | 2.27 | 0.09 | 0.48 | 0.09 | 81.6 | 1.3 | 13 | 1.24 | 7.0 |
| J598617 | | 1.71 | 0.005 | <0.01 | 6.35 | 24.9 | 550 | 2.42 | 0.11 | 0.47 | 0.03 | 87.3 | 1.1 | 11 | 1.30 | 3.2 |
| J598618 | | 1.75 | <0.005 | <0.01 | 6.27 | 42.6 | 570 | 2.29 | 0.09 | 0.45 | 0.03 | 85.6 | 1.4 | 12 | 1.77 | 3.2 |
| J598619 | | 1.83 | 0.005 | 0.15 | 6.21 | 44.2 | 530 | 2.23 | 0.12 | 0.46 | 0.02 | 88.8 | 1.1 | 13 | 1.55 | 4.2 |

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

ALS Canada Ltd.
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**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598580 | | 1.24 | 15.55 | 0.15 | 5.3 | 0.013 | 3.51 | 44.3 | 6.2 | 0.07 | 258 | 1.78 | 2.36 | 14.8 | 2.0 | 70 |
| J598581 | | 1.22 | 16.45 | 0.18 | 5.2 | 0.020 | 3.54 | 53.5 | 8.5 | 0.07 | 261 | 1.95 | 2.42 | 15.6 | 1.9 | 80 |
| J598582 | | 1.20 | 15.75 | 0.12 | 4.9 | 0.013 | 3.62 | 42.2 | 7.1 | 0.06 | 252 | 2.27 | 2.41 | 14.7 | 2.1 | 70 |
| J598583 | | 1.77 | 17.05 | 0.09 | 5.8 | 0.017 | 3.58 | 43.6 | 6.8 | 0.06 | 253 | 2.01 | 2.50 | 14.7 | 1.5 | 60 |
| J598584 | | 1.16 | 15.95 | 0.11 | 5.4 | 0.013 | 3.57 | 42.8 | 5.1 | 0.06 | 225 | 2.64 | 2.40 | 14.0 | 1.6 | 60 |
| J598585 | | 1.20 | 15.90 | 0.10 | 5.1 | 0.015 | 3.50 | 40.9 | 5.8 | 0.06 | 209 | 2.26 | 2.35 | 14.2 | 1.5 | 60 |
| J598586 | | 1.27 | 16.15 | 0.13 | 5.7 | 0.019 | 3.55 | 46.5 | 6.5 | 0.06 | 219 | 2.61 | 2.40 | 15.0 | 1.6 | 70 |
| J598587 | | 1.16 | 16.15 | 0.14 | 5.3 | 0.023 | 3.53 | 46.6 | 11.0 | 0.06 | 176 | 2.42 | 2.33 | 16.7 | 1.5 | 70 |
| J598588 | | 1.16 | 15.40 | 0.14 | 5.3 | 0.015 | 3.44 | 42.6 | 9.5 | 0.06 | 212 | 2.89 | 2.41 | 15.6 | 1.7 | 60 |
| J598589 | | 1.25 | 15.70 | 0.14 | 5.3 | 0.018 | 3.52 | 44.6 | 6.3 | 0.06 | 209 | 3.15 | 2.48 | 15.4 | 1.4 | 60 |
| J598590 | | 1.17 | 14.05 | 0.13 | 4.7 | 0.014 | 3.28 | 44.9 | 5.7 | 0.06 | 207 | 3.17 | 2.27 | 12.9 | 1.5 | 60 |
| J598591 | | 1.16 | 14.10 | 0.12 | 5.1 | 0.015 | 3.37 | 39.9 | 7.5 | 0.06 | 254 | 2.54 | 2.38 | 13.2 | 1.1 | 70 |
| J598592 | | 1.18 | 15.45 | 0.14 | 5.0 | 0.018 | 3.41 | 40.8 | 8.7 | 0.06 | 208 | 2.72 | 2.36 | 14.8 | 1.7 | 60 |
| J598593 | | 1.25 | 15.90 | 0.14 | 5.0 | 0.016 | 3.57 | 44.0 | 6.0 | 0.07 | 190 | 2.98 | 2.57 | 14.1 | 1.4 | 70 |
| J598594 | | 1.25 | 14.60 | 0.13 | 5.2 | 0.023 | 3.44 | 41.1 | 12.2 | 0.07 | 172 | 3.12 | 2.33 | 13.4 | 1.6 | 60 |
| J598595 | | 1.25 | 14.35 | 0.14 | 5.3 | 0.017 | 3.52 | 43.5 | 6.3 | 0.06 | 187 | 3.29 | 2.45 | 13.1 | 1.2 | 70 |
| J598596 | | 1.16 | 14.25 | 0.14 | 5.0 | 0.014 | 3.47 | 42.5 | 5.4 | 0.06 | 205 | 2.78 | 2.47 | 13.8 | 1.4 | 60 |
| J598597 | | 1.39 | 13.90 | 0.15 | 4.9 | 0.014 | 3.54 | 44.1 | 4.9 | 0.06 | 298 | 3.03 | 2.50 | 13.2 | 1.6 | 60 |
| J598598 | | 1.08 | 13.75 | 0.13 | 5.4 | 0.014 | 3.31 | 42.0 | 7.2 | 0.06 | 225 | 3.51 | 2.48 | 13.6 | 1.5 | 70 |
| J598599 | | 1.20 | 14.10 | 0.13 | 5.3 | 0.014 | 3.38 | 39.3 | 6.9 | 0.06 | 209 | 2.22 | 2.51 | 13.8 | 1.2 | 60 |
| J598600 | | 4.76 | 17.70 | 0.11 | 1.5 | 0.014 | 2.39 | 9.2 | 1.9 | 1.00 | 285 | 2.08 | 4.95 | 9.5 | 39.6 | 710 |
| J598601 | | 1.23 | 14.50 | 0.12 | 5.3 | 0.012 | 3.67 | 42.9 | 4.9 | 0.07 | 193 | 1.69 | 2.62 | 14.4 | 1.5 | 70 |
| J598602 | | 1.18 | 14.10 | 0.11 | 5.4 | 0.012 | 3.59 | 39.6 | 5.8 | 0.06 | 209 | 1.75 | 2.50 | 13.7 | 1.3 | 60 |
| J598603 | | 1.08 | 14.10 | 0.13 | 5.1 | 0.012 | 3.53 | 44.6 | 7.4 | 0.06 | 200 | 1.46 | 2.45 | 14.3 | 1.5 | 70 |
| J598604 | | 1.03 | 13.30 | 0.12 | 5.3 | 0.009 | 3.74 | 39.9 | 5.3 | 0.05 | 184 | 1.89 | 2.58 | 13.2 | 1.1 | 70 |
| J598605 | | 1.14 | 14.40 | 0.14 | 5.0 | 0.017 | 3.31 | 37.8 | 11.7 | 0.06 | 214 | 1.58 | 2.35 | 13.9 | 1.2 | 60 |
| J598606 | | 1.20 | 13.35 | 0.13 | 5.6 | 0.009 | 3.51 | 40.6 | 8.1 | 0.06 | 246 | 1.65 | 2.42 | 14.4 | 1.3 | 60 |
| J598607 | | 1.27 | 14.05 | 0.13 | 5.3 | 0.014 | 3.49 | 43.5 | 5.9 | 0.06 | 191 | 1.99 | 2.56 | 14.0 | 1.2 | 70 |
| J598608 | | 1.29 | 14.10 | 0.12 | 5.4 | 0.017 | 3.41 | 40.4 | 6.3 | 0.06 | 215 | 2.26 | 2.57 | 14.9 | 1.4 | 60 |
| J598609 | | 1.17 | 14.10 | 0.13 | 5.6 | 0.014 | 3.43 | 39.0 | 5.9 | 0.06 | 193 | 2.10 | 2.62 | 14.6 | 1.2 | 60 |
| J598610 | | 1.20 | 14.10 | 0.13 | 4.7 | 0.011 | 3.43 | 40.4 | 5.7 | 0.06 | 208 | 2.71 | 2.56 | 13.7 | 1.4 | 70 |
| J598611 | | 1.39 | 14.50 | 0.13 | 5.3 | 0.026 | 3.50 | 37.6 | 11.6 | 0.07 | 185 | 2.51 | 2.48 | 14.3 | 1.3 | 70 |
| J598612 | | 1.32 | 14.30 | 0.13 | 5.0 | 0.026 | 3.48 | 44.4 | 11.1 | 0.07 | 212 | 1.96 | 2.23 | 13.5 | 1.4 | 60 |
| J598613 | | 1.09 | 13.80 | 0.14 | 5.3 | 0.018 | 3.37 | 41.0 | 9.9 | 0.06 | 235 | 2.20 | 2.39 | 14.2 | 1.2 | 70 |
| J598614 | | 1.15 | 13.30 | 0.14 | 4.6 | 0.018 | 3.29 | 38.6 | 7.4 | 0.06 | 229 | 2.42 | 2.39 | 12.7 | 1.3 | 60 |
| J598615 | | 1.17 | 13.65 | 0.12 | 5.1 | 0.026 | 3.37 | 39.4 | 12.0 | 0.06 | 241 | 2.09 | 2.33 | 14.3 | 1.1 | 60 |
| J598616 | | 1.19 | 13.95 | 0.13 | 5.0 | 0.021 | 3.44 | 37.9 | 9.2 | 0.07 | 260 | 2.53 | 2.47 | 14.4 | 1.4 | 60 |
| J598617 | | 1.28 | 14.15 | 0.14 | 5.8 | 0.017 | 3.50 | 41.1 | 5.8 | 0.07 | 242 | 2.05 | 2.69 | 13.9 | 1.3 | 60 |
| J598618 | | 1.23 | 13.85 | 0.12 | 5.0 | 0.022 | 3.49 | 40.9 | 5.2 | 0.07 | 225 | 1.99 | 2.64 | 12.4 | 1.5 | 60 |
| J598619 | | 1.21 | 17.10 | 0.19 | 5.4 | 0.020 | 3.49 | 45.5 | 7.5 | 0.07 | 213 | 2.60 | 2.67 | 15.8 | 1.3 | 60 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598580 | | 9.0 | 134.0 | 0.002 | 0.04 | 0.93 | 3.6 | 1 | 1.5 | 53.8 | 1.43 | <0.05 | 20.3 | 0.067 | 0.54 | 5.7 |
| J598581 | | 9.4 | 146.0 | <0.002 | 0.08 | 0.91 | 3.6 | 1 | 1.6 | 55.4 | 1.36 | <0.05 | 18.7 | 0.073 | 0.57 | 5.0 |
| J598582 | | 18.5 | 144.0 | 0.002 | 0.07 | 0.93 | 3.6 | 1 | 1.4 | 56.7 | 1.35 | <0.05 | 18.9 | 0.068 | 0.59 | 5.1 |
| J598583 | | 5.0 | 141.0 | <0.002 | 0.02 | 0.94 | 4.1 | <1 | 1.3 | 65.8 | 1.43 | <0.05 | 19.7 | 0.062 | 0.52 | 4.4 |
| J598584 | | 4.8 | 138.0 | <0.002 | 0.02 | 1.03 | 4.2 | <1 | 1.2 | 57.2 | 1.41 | <0.05 | 21.2 | 0.055 | 0.53 | 4.9 |
| J598585 | | 8.0 | 136.0 | 0.002 | 0.04 | 0.99 | 4.1 | <1 | 1.2 | 52.3 | 1.39 | <0.05 | 20.7 | 0.062 | 0.50 | 5.3 |
| J598586 | | 19.1 | 139.5 | <0.002 | 0.06 | 1.05 | 4.2 | <1 | 1.4 | 56.3 | 1.43 | <0.05 | 21.4 | 0.066 | 0.53 | 5.4 |
| J598587 | | 7.1 | 148.0 | <0.002 | 0.17 | 0.90 | 4.3 | <1 | 1.8 | 54.8 | 1.63 | <0.05 | 23.5 | 0.068 | 0.55 | 5.6 |
| J598588 | | 17.5 | 141.5 | <0.002 | 0.14 | 1.17 | 4.1 | <1 | 1.7 | 54.4 | 1.58 | <0.05 | 21.9 | 0.070 | 0.53 | 5.8 |
| J598589 | | 10.8 | 146.5 | <0.002 | 0.06 | 1.06 | 4.1 | <1 | 1.5 | 53.0 | 1.53 | <0.05 | 21.6 | 0.067 | 0.58 | 5.0 |
| J598590 | | 11.9 | 129.0 | <0.002 | 0.08 | 0.94 | 3.7 | <1 | 1.2 | 53.7 | 1.24 | <0.05 | 19.5 | 0.059 | 0.52 | 4.9 |
| J598591 | | 8.6 | 129.5 | <0.002 | 0.10 | 0.78 | 3.9 | <1 | 1.2 | 50.9 | 1.36 | <0.05 | 20.5 | 0.068 | 0.55 | 5.1 |
| J598592 | | 7.4 | 138.5 | <0.002 | 0.16 | 1.03 | 4.1 | <1 | 1.5 | 47.6 | 1.53 | <0.05 | 21.1 | 0.066 | 0.56 | 5.4 |
| J598593 | | 5.6 | 144.0 | <0.002 | 0.03 | 0.83 | 4.2 | <1 | 1.5 | 53.1 | 1.42 | <0.05 | 21.3 | 0.065 | 0.57 | 4.9 |
| J598594 | | 7.6 | 135.0 | 0.002 | 0.23 | 0.87 | 3.9 | <1 | 1.9 | 48.3 | 1.43 | <0.05 | 20.9 | 0.070 | 0.56 | 5.0 |
| J598595 | | 8.7 | 138.0 | 0.002 | 0.05 | 1.11 | 3.7 | <1 | 1.4 | 47.8 | 1.33 | <0.05 | 22.1 | 0.063 | 0.55 | 4.8 |
| J598596 | | 14.5 | 142.0 | 0.002 | 0.06 | 1.05 | 3.8 | <1 | 1.5 | 44.8 | 1.42 | <0.05 | 21.5 | 0.066 | 0.56 | 5.1 |
| J598597 | | 22.3 | 132.5 | <0.002 | 0.21 | 1.18 | 3.4 | <1 | 1.4 | 54.5 | 1.35 | <0.05 | 21.3 | 0.071 | 0.57 | 5.4 |
| J598598 | | 12.5 | 125.5 | 0.002 | 0.07 | 1.03 | 3.9 | <1 | 1.5 | 53.5 | 1.44 | <0.05 | 22.0 | 0.071 | 0.53 | 5.2 |
| J598599 | | 14.5 | 134.0 | <0.002 | 0.05 | 0.86 | 3.7 | <1 | 1.4 | 48.6 | 1.46 | <0.05 | 21.8 | 0.075 | 0.57 | 5.5 |
| J598600 | | 89.3 | 207 | 0.002 | 3.46 | 1.00 | 3.6 | <1 | 0.9 | 187.5 | 0.87 | <0.05 | 3.0 | 0.277 | 1.99 | 1.1 |
| J598601 | | 5.3 | 143.0 | <0.002 | 0.03 | 0.66 | 3.9 | <1 | 1.4 | 49.5 | 1.50 | <0.05 | 21.4 | 0.078 | 0.60 | 5.1 |
| J598602 | | 8.0 | 133.5 | <0.002 | 0.05 | 0.86 | 3.8 | <1 | 1.1 | 56.7 | 1.46 | <0.05 | 22.7 | 0.073 | 0.60 | 5.6 |
| J598603 | | 13.7 | 134.0 | <0.002 | 0.11 | 0.95 | 3.8 | <1 | 1.3 | 47.7 | 1.42 | <0.05 | 21.5 | 0.073 | 0.57 | 5.4 |
| J598604 | | 6.5 | 141.0 | <0.002 | 0.03 | 0.63 | 2.8 | <1 | 0.9 | 48.5 | 1.47 | <0.05 | 21.2 | 0.064 | 0.63 | 5.6 |
| J598605 | | 10.9 | 134.0 | <0.002 | 0.16 | 0.79 | 3.6 | <1 | 1.6 | 41.7 | 1.44 | <0.05 | 22.7 | 0.068 | 0.56 | 5.7 |
| J598606 | | 10.9 | 135.0 | <0.002 | 0.13 | 0.73 | 3.6 | <1 | 1.3 | 43.2 | 1.64 | <0.05 | 22.6 | 0.074 | 0.60 | 5.7 |
| J598607 | | 6.6 | 142.0 | <0.002 | 0.04 | 1.00 | 3.7 | <1 | 1.3 | 44.5 | 1.42 | <0.05 | 22.2 | 0.073 | 0.55 | 5.4 |
| J598608 | | 7.8 | 134.0 | <0.002 | 0.04 | 0.95 | 3.7 | <1 | 1.5 | 47.1 | 1.58 | <0.05 | 22.7 | 0.075 | 0.55 | 5.8 |
| J598609 | | 14.7 | 146.5 | <0.002 | 0.06 | 0.94 | 3.7 | <1 | 1.5 | 38.8 | 1.57 | <0.05 | 23.1 | 0.069 | 0.59 | 5.8 |
| J598610 | | 8.7 | 135.0 | <0.002 | 0.08 | 1.03 | 3.6 | <1 | 1.4 | 44.8 | 1.44 | <0.05 | 23.2 | 0.073 | 0.60 | 5.6 |
| J598611 | | 21.5 | 139.5 | 0.002 | 0.30 | 1.00 | 4.0 | <1 | 2.2 | 45.1 | 1.49 | <0.05 | 20.1 | 0.074 | 0.61 | 5.5 |
| J598612 | | 8.8 | 137.5 | <0.002 | 0.28 | 1.37 | 3.9 | <1 | 1.8 | 43.5 | 1.39 | <0.05 | 23.4 | 0.075 | 0.63 | 5.4 |
| J598613 | | 10.8 | 130.0 | <0.002 | 0.23 | 0.88 | 3.7 | <1 | 1.6 | 45.5 | 1.50 | <0.05 | 23.6 | 0.074 | 0.60 | 6.1 |
| J598614 | | 8.8 | 132.5 | <0.002 | 0.11 | 0.84 | 3.5 | <1 | 1.5 | 42.6 | 1.32 | <0.05 | 20.5 | 0.070 | 0.57 | 5.1 |
| J598615 | | 19.3 | 140.0 | 0.002 | 0.17 | 1.14 | 3.7 | <1 | 2.5 | 42.9 | 1.56 | <0.05 | 22.1 | 0.069 | 0.63 | 6.0 |
| J598616 | | 34.2 | 159.0 | <0.002 | 0.08 | 1.09 | 3.6 | <1 | 2.3 | 36.7 | 1.49 | <0.05 | 23.1 | 0.070 | 0.72 | 5.9 |
| J598617 | | 6.1 | 158.5 | <0.002 | 0.02 | 1.00 | 3.8 | <1 | 1.9 | 37.5 | 1.51 | <0.05 | 23.6 | 0.070 | 0.71 | 6.0 |
| J598618 | | 6.7 | 160.0 | <0.002 | 0.01 | 0.83 | 3.6 | <1 | 2.0 | 37.8 | 1.22 | <0.05 | 20.7 | 0.068 | 0.74 | 5.2 |
| J598619 | | 7.9 | 175.0 | <0.002 | 0.02 | 0.95 | 4.1 | 1 | 2.0 | 41.9 | 1.44 | <0.05 | 22.5 | 0.070 | 0.80 | 6.0 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| Sample Description | Method / Analyte / Units / LOR | 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 |
|---|---|---|---|---|---|---|
| J598580 | | 3 | 1.4 | 19.4 | 20 | 151.5 |
| J598581 | | 3 | 1.5 | 19.1 | 16 | 158.0 |
| J598582 | | 4 | 1.3 | 18.7 | 19 | 146.0 |
| J598583 | | 5 | 1.4 | 22.6 | 17 | 170.5 |
| J598584 | | 3 | 1.4 | 19.2 | 14 | 155.0 |
| J598585 | | 3 | 1.4 | 18.6 | 14 | 154.0 |
| J598586 | | 3 | 1.5 | 22.2 | 21 | 182.5 |
| J598587 | | 3 | 2.0 | 24.8 | 15 | 166.0 |
| J598588 | | 3 | 2.2 | 24.9 | 15 | 157.5 |
| J598589 | | 3 | 1.8 | 24.9 | 18 | 164.0 |
| J598590 | | 3 | 1.6 | 19.1 | 18 | 147.0 |
| J598591 | | 3 | 1.8 | 20.2 | 17 | 145.5 |
| J598592 | | 3 | 1.6 | 21.4 | 16 | 152.0 |
| J598593 | | 4 | 1.3 | 20.3 | 15 | 145.5 |
| J598594 | | 3 | 2.4 | 18.9 | 16 | 148.5 |
| J598595 | | 3 | 1.4 | 20.1 | 21 | 159.5 |
| J598596 | | 3 | 1.4 | 22.5 | 38 | 143.5 |
| J598597 | | 3 | 3.9 | 19.2 | 54 | 148.0 |
| J598598 | | 4 | 1.9 | 20.2 | 19 | 157.0 |
| J598599 | | 3 | 1.9 | 20.4 | 19 | 154.5 |
| J598600 | | 34 | 0.2 | 5.5 | 46 | 55.5 |
| J598601 | | 3 | 1.6 | 23.7 | 12 | 149.5 |
| J598602 | | 3 | 1.5 | 20.9 | 14 | 152.5 |
| J598603 | | 4 | 1.7 | 22.6 | 20 | 152.0 |
| J598604 | | 2 | 1.3 | 19.7 | 12 | 155.5 |
| J598605 | | 3 | 2.2 | 20.5 | 20 | 145.0 |
| J598606 | | 3 | 2.0 | 19.9 | 20 | 153.0 |
| J598607 | | 3 | 1.6 | 22.6 | 17 | 155.5 |
| J598608 | | 3 | 1.9 | 22.9 | 18 | 152.5 |
| J598609 | | 3 | 1.7 | 23.8 | 23 | 161.5 |
| J598610 | | 3 | 1.7 | 21.6 | 15 | 135.5 |
| J598611 | | 4 | 3.0 | 20.2 | 23 | 151.0 |
| J598612 | | 3 | 4.2 | 20.5 | 19 | 150.0 |
| J598613 | | 3 | 2.4 | 22.3 | 22 | 157.5 |
| J598614 | | 3 | 1.8 | 18.4 | 16 | 141.0 |
| J598615 | | 3 | 2.4 | 20.6 | 33 | 143.5 |
| J598616 | | 3 | 2.0 | 21.2 | 49 | 148.0 |
| J598617 | | 3 | 1.9 | 22.2 | 23 | 172.5 |
| J598618 | | 3 | 1.7 | 25.6 | 22 | 150.0 |
| J598619 | | 3 | 1.8 | 29.2 | 20 | 158.5 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598620 | | 1.92 | 0.012 | 0.10 | 6.09 | 28.4 | 530 | 2.06 | 0.09 | 0.44 | 0.02 | 82.2 | 1.2 | 13 | 1.59 | 2.9 |
| J598621 | | 1.64 | <0.005 | 0.12 | 6.23 | 41.2 | 560 | 2.01 | 0.09 | 0.47 | 0.09 | 81.9 | 1.2 | 15 | 1.44 | 4.5 |
| J598622 | | 1.86 | <0.005 | 0.10 | 6.12 | 10.5 | 560 | 2.08 | 0.08 | 0.44 | 0.02 | 89.0 | 1.3 | 9 | 2.45 | 2.3 |
| J598623 | | 1.66 | 0.006 | 0.10 | 6.18 | 20.5 | 590 | 1.84 | 0.07 | 0.47 | 0.05 | 83.5 | 1.3 | 11 | 1.44 | 3.8 |
| J598624 | | 1.74 | 0.014 | 0.09 | 6.18 | 16.1 | 620 | 1.80 | 0.07 | 0.47 | 0.05 | 88.8 | 1.7 | 14 | 1.90 | 4.6 |
| J598625 | | 0.07 | <0.005 | 0.06 | 6.41 | 2.0 | 890 | 0.98 | 0.09 | 1.32 | 0.08 | 28.6 | 2.1 | 11 | 1.63 | 4.3 |
| J598626 | | 1.67 | 0.005 | 0.10 | 5.97 | 39.9 | 630 | 1.68 | 0.07 | 0.40 | 0.05 | 89.5 | 2.0 | 9 | 1.10 | 4.9 |
| J598627 | | 1.78 | <0.005 | 0.10 | 6.32 | 61.0 | 710 | 2.06 | 0.07 | 0.43 | 0.04 | 93.8 | 4.0 | 9 | 1.02 | 4.2 |
| J598628 | | 1.94 | 0.034 | 0.12 | 6.12 | 43.7 | 720 | 1.66 | 0.09 | 0.46 | 0.03 | 83.8 | 2.0 | 10 | 1.07 | 10.7 |
| J598629 | | 1.77 | 0.079 | 0.19 | 6.08 | 58.1 | 850 | 1.80 | 0.15 | 0.35 | 0.04 | 126.5 | 5.9 | 14 | 1.45 | 60.6 |
| J598630 | | 1.38 | 0.023 | 0.09 | 6.15 | 135.0 | 770 | 1.31 | 0.09 | 0.53 | 0.03 | 89.9 | 3.2 | 17 | 1.16 | 8.3 |
| J598631 | | 0.87 | 0.108 | 0.13 | 6.36 | 48.0 | 730 | 2.07 | 0.10 | 0.51 | 0.03 | 88.6 | 3.9 | 8 | 1.46 | 23.5 |
| J598632 | | 1.04 | 0.071 | 0.15 | 6.55 | 30.7 | 650 | 2.12 | 0.11 | 0.72 | <0.02 | 92.2 | 5.8 | 9 | 1.61 | 29.2 |
| J598633 | | 2.09 | <0.005 | 0.10 | 6.44 | 73.9 | 730 | 1.65 | 0.07 | 0.54 | 0.03 | 98.4 | 2.6 | 10 | 1.27 | 6.5 |
| J598634 | | 1.66 | <0.005 | 0.10 | 6.25 | 18.8 | 670 | 1.73 | 0.04 | 0.55 | 0.03 | 85.4 | 2.8 | 9 | 1.26 | 4.2 |
| J598635 | | 1.58 | <0.005 | 0.10 | 6.04 | 49.3 | 600 | 1.52 | 0.07 | 0.50 | 0.04 | 88.6 | 2.7 | 9 | 1.14 | 5.3 |
| J598636 | | 1.55 | <0.005 | 0.09 | 6.20 | 29.7 | 660 | 1.79 | 0.06 | 0.55 | 0.02 | 89.9 | 3.1 | 9 | 1.19 | 3.1 |
| J598637 | | 1.64 | <0.005 | 0.11 | 6.20 | 45.0 | 700 | 1.66 | 0.07 | 0.53 | 0.06 | 93.7 | 2.4 | 10 | 1.30 | 6.1 |
| J598638 | | 1.81 | 0.006 | 0.11 | 6.24 | 151.0 | 670 | 1.63 | 0.11 | 0.52 | 0.04 | 98.6 | 2.7 | 8 | 1.25 | 3.6 |
| J598639 | | 1.69 | 0.048 | 0.15 | 6.39 | 213 | 650 | 2.24 | 0.23 | 0.57 | 0.38 | 99.5 | 2.1 | 9 | 1.26 | 6.3 |
| J598640 | | 1.67 | 0.022 | 0.15 | 6.49 | 142.0 | 780 | 2.04 | 0.12 | 0.65 | 0.06 | 110.5 | 2.6 | 10 | 1.66 | 2.7 |
| J598641 | | 0.62 | 0.206 | 0.32 | 6.18 | 171.5 | 830 | 1.24 | 0.18 | 0.51 | 0.05 | 79.4 | 1.7 | 8 | 1.03 | 10.6 |
| J598642 | | 1.19 | 0.019 | 0.11 | 6.20 | 643 | 630 | 1.73 | 0.13 | 0.53 | 0.04 | 98.1 | 3.3 | 9 | 0.95 | 2.3 |
| J598643 | | 1.64 | 0.010 | 0.14 | 6.16 | 351 | 650 | 1.59 | 0.10 | 0.53 | 0.05 | 96.1 | 2.4 | 11 | 1.03 | 5.3 |
| J598644 | | 1.68 | 0.171 | 0.16 | 6.27 | 618 | 660 | 1.64 | 0.23 | 0.53 | 0.17 | 94.2 | 2.9 | 8 | 1.14 | 9.7 |
| J598645 | | 1.69 | 0.006 | 0.14 | 6.40 | 64.9 | 720 | 1.75 | 0.09 | 0.56 | 0.04 | 95.7 | 2.8 | 10 | 1.39 | 5.2 |
| J598646 | | 1.72 | 0.010 | 0.14 | 6.36 | 195.0 | 760 | 1.76 | 0.14 | 0.55 | 0.07 | 106.5 | 3.4 | 10 | 1.31 | 5.5 |
| J598647 | | 1.71 | 0.005 | 0.13 | 6.09 | 110.0 | 750 | 1.65 | 0.10 | 0.52 | 0.05 | 96.5 | 3.4 | 12 | 1.30 | 5.4 |
| J598648 | | 1.69 | 0.005 | 0.14 | 6.24 | 167.5 | 780 | 1.64 | 0.15 | 0.55 | 0.08 | 102.5 | 3.3 | 8 | 1.49 | 5.1 |
| J598649 | | 0.81 | 0.013 | 0.15 | 5.98 | 207 | 740 | 1.49 | 0.16 | 0.52 | 0.10 | 92.2 | 3.6 | 8 | 1.26 | 9.7 |
| J598650 | | 0.70 | 0.023 | 0.16 | 6.00 | 181.5 | 760 | 1.54 | 0.17 | 0.58 | 0.11 | 95.1 | 3.1 | 8 | 1.32 | 10.0 |
| J598651 | | 1.54 | 0.006 | 0.17 | 5.98 | 386 | 770 | 1.70 | 0.26 | 0.51 | 0.06 | 95.4 | 3.5 | 9 | 1.41 | 17.0 |
| J598652 | | 1.04 | 0.143 | 0.15 | 6.11 | 496 | 710 | 1.45 | 0.24 | 0.46 | 0.07 | 90.4 | 3.0 | 9 | 1.02 | 9.0 |
| J598653 | | 1.09 | 0.017 | 0.14 | 6.20 | 288 | 780 | 1.39 | 0.14 | 0.52 | 0.05 | 98.8 | 2.4 | 10 | 1.13 | 5.8 |
| J598654 | | 1.07 | 0.067 | 0.14 | 6.19 | 115.0 | 860 | 1.72 | 0.22 | 0.48 | 0.06 | 95.5 | 5.2 | 11 | 1.15 | 42.0 |
| J598655 | | 1.12 | 0.159 | 0.70 | 6.07 | 138.5 | 270 | 1.56 | 1.17 | 0.21 | 0.15 | 68.5 | 66.4 | 7 | 1.58 | 604 |
| J598656 | | 1.10 | 0.036 | 0.37 | 5.77 | 13.7 | 490 | 1.78 | 0.47 | 0.18 | 0.04 | 95.8 | 10.2 | 10 | 1.15 | 376 |
| J598657 | | 0.98 | 0.190 | 0.06 | 5.80 | 11.5 | 480 | 1.60 | 0.02 | 0.20 | <0.02 | 106.0 | 1.3 | 7 | 1.18 | 12.7 |
| J598658 | | 1.04 | 0.576 | 0.03 | 5.22 | 21.4 | 470 | 1.69 | 0.06 | 0.19 | <0.02 | 78.1 | 2.4 | 8 | 0.94 | 22.8 |
| J598659 | | 1.27 | 0.074 | 0.56 | 6.11 | 88.1 | 720 | 1.67 | 0.15 | 0.45 | 0.13 | 97.4 | 3.6 | 12 | 0.92 | 32.1 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598620 | | 1.16 | 16.35 | 0.19 | 5.3 | 0.018 | 3.38 | 42.4 | 6.8 | 0.06 | 197 | 2.62 | 2.58 | 14.5 | 1.5 | 70 |
| J598621 | | 1.17 | 17.55 | 0.20 | 5.6 | 0.024 | 3.45 | 42.4 | 8.6 | 0.06 | 214 | 2.54 | 2.66 | 15.5 | 1.4 | 60 |
| J598622 | | 1.19 | 17.10 | 0.22 | 5.2 | 0.020 | 3.43 | 46.3 | 6.1 | 0.07 | 195 | 4.69 | 2.64 | 15.5 | 1.5 | 70 |
| J598623 | | 1.29 | 16.60 | 0.21 | 5.5 | 0.023 | 3.44 | 43.7 | 7.7 | 0.07 | 208 | 3.25 | 2.55 | 15.1 | 1.5 | 70 |
| J598624 | | 1.18 | 16.25 | 0.21 | 4.9 | 0.018 | 3.46 | 46.2 | 6.7 | 0.07 | 185 | 3.72 | 2.61 | 15.0 | 1.5 | 70 |
| J598625 | | 1.39 | 13.10 | 0.16 | 1.2 | 0.017 | 2.11 | 15.0 | 10.1 | 0.19 | 535 | 1.05 | 2.66 | 4.5 | 2.2 | 170 |
| J598626 | | 1.12 | 15.70 | 0.22 | 5.1 | 0.014 | 3.44 | 46.4 | 5.5 | 0.06 | 183 | 4.34 | 2.41 | 14.6 | 1.5 | 70 |
| J598627 | | 1.18 | 18.75 | 0.24 | 5.7 | 0.017 | 3.63 | 49.2 | 10.3 | 0.06 | 218 | 3.13 | 2.53 | 17.1 | 2.1 | 70 |
| J598628 | | 1.22 | 15.95 | 0.22 | 5.0 | 0.021 | 3.57 | 43.5 | 9.5 | 0.06 | 225 | 5.48 | 2.33 | 15.9 | 1.4 | 60 |
| J598629 | | 2.22 | 17.05 | 0.30 | 5.2 | 0.029 | 3.48 | 65.6 | 15.7 | 0.09 | 291 | 12.45 | 1.97 | 16.0 | 5.6 | 70 |
| J598630 | | 1.30 | 15.45 | 0.24 | 5.2 | 0.016 | 3.77 | 46.7 | 8.3 | 0.06 | 370 | 4.09 | 2.15 | 15.0 | 1.5 | 60 |
| J598631 | | 1.97 | 17.65 | 0.25 | 5.3 | 0.071 | 3.71 | 46.1 | 26.3 | 0.12 | 248 | 2.39 | 1.41 | 18.8 | 2.0 | 70 |
| J598632 | | 2.25 | 18.05 | 0.26 | 5.0 | 0.064 | 3.34 | 48.4 | 24.6 | 0.13 | 278 | 1.36 | 1.52 | 18.6 | 2.3 | 60 |
| J598633 | | 1.33 | 16.20 | 0.24 | 5.2 | 0.013 | 3.77 | 52.0 | 6.7 | 0.07 | 261 | 5.23 | 2.43 | 15.2 | 1.5 | 70 |
| J598634 | | 1.26 | 16.55 | 0.23 | 5.4 | 0.013 | 3.49 | 44.2 | 6.3 | 0.07 | 210 | 2.88 | 2.51 | 14.8 | 1.3 | 70 |
| J598635 | | 1.24 | 15.70 | 0.24 | 5.0 | 0.016 | 3.37 | 45.6 | 5.7 | 0.06 | 203 | 2.11 | 2.45 | 14.5 | 1.6 | 70 |
| J598636 | | 1.29 | 15.90 | 0.25 | 5.0 | 0.014 | 3.47 | 46.4 | 6.2 | 0.07 | 209 | 1.52 | 2.49 | 14.9 | 1.3 | 60 |
| J598637 | | 1.29 | 16.00 | 0.24 | 5.2 | 0.012 | 3.50 | 49.1 | 5.9 | 0.07 | 206 | 3.25 | 2.47 | 15.1 | 1.6 | 70 |
| J598638 | | 1.34 | 16.60 | 0.25 | 5.7 | 0.019 | 3.54 | 51.5 | 5.0 | 0.07 | 213 | 3.06 | 2.51 | 14.7 | 1.5 | 60 |
| J598639 | | 1.27 | 16.90 | 0.26 | 5.8 | 0.028 | 3.45 | 52.6 | 7.5 | 0.08 | 213 | 3.21 | 2.58 | 14.1 | 1.6 | 100 |
| J598640 | | 1.43 | 17.15 | 0.26 | 5.8 | 0.023 | 3.39 | 58.9 | 8.3 | 0.11 | 252 | 2.71 | 2.59 | 14.1 | 1.6 | 120 |
| J598641 | | 1.01 | 14.70 | 0.23 | 4.3 | 0.043 | 4.07 | 41.3 | 12.9 | 0.06 | 202 | 2.67 | 1.98 | 10.7 | 1.5 | 60 |
| J598642 | | 1.20 | 16.10 | 0.26 | 5.0 | 0.016 | 3.42 | 51.1 | 4.4 | 0.07 | 221 | 3.51 | 2.52 | 13.8 | 1.3 | 70 |
| J598643 | | 1.23 | 16.00 | 0.24 | 5.1 | 0.016 | 3.43 | 49.8 | 4.7 | 0.06 | 203 | 3.42 | 2.48 | 14.2 | 1.6 | 70 |
| J598644 | | 1.23 | 16.70 | 0.24 | 5.0 | 0.033 | 3.41 | 48.8 | 11.1 | 0.07 | 200 | 4.06 | 2.46 | 14.3 | 1.3 | 80 |
| J598645 | | 1.36 | 16.30 | 0.24 | 5.8 | 0.014 | 3.47 | 50.9 | 5.0 | 0.09 | 190 | 1.96 | 2.61 | 13.6 | 1.8 | 100 |
| J598646 | | 1.37 | 16.95 | 0.26 | 5.1 | 0.022 | 3.49 | 56.1 | 7.2 | 0.09 | 219 | 2.35 | 2.54 | 14.9 | 1.8 | 100 |
| J598647 | | 1.31 | 15.85 | 0.25 | 5.6 | 0.018 | 3.36 | 51.3 | 5.2 | 0.09 | 194 | 2.38 | 2.45 | 13.6 | 1.9 | 100 |
| J598648 | | 1.40 | 16.15 | 0.27 | 5.1 | 0.019 | 3.43 | 54.3 | 6.1 | 0.09 | 234 | 2.55 | 2.49 | 13.6 | 1.7 | 100 |
| J598649 | | 1.35 | 15.20 | 0.25 | 4.5 | 0.022 | 3.32 | 48.9 | 6.5 | 0.09 | 229 | 2.46 | 2.33 | 13.1 | 1.9 | 100 |
| J598650 | | 1.38 | 15.80 | 0.26 | 5.1 | 0.023 | 3.32 | 50.7 | 7.1 | 0.09 | 245 | 2.47 | 2.38 | 13.8 | 1.7 | 90 |
| J598651 | | 1.42 | 15.85 | 0.27 | 5.4 | 0.024 | 3.36 | 50.5 | 6.8 | 0.09 | 276 | 2.73 | 2.29 | 14.9 | 2.3 | 90 |
| J598652 | | 1.33 | 15.35 | 0.25 | 4.6 | 0.018 | 3.54 | 48.9 | 4.4 | 0.07 | 274 | 1.89 | 2.36 | 12.1 | 1.9 | 70 |
| J598653 | | 1.43 | 15.50 | 0.26 | 4.9 | 0.028 | 3.66 | 52.5 | 6.5 | 0.08 | 257 | 2.67 | 2.23 | 11.8 | 2.3 | 90 |
| J598654 | | 2.00 | 13.90 | 0.20 | 5.4 | 0.037 | 3.68 | 46.7 | 11.7 | 0.07 | 216 | 1.65 | 1.96 | 13.8 | 4.2 | 90 |
| J598655 | | 10.20 | 16.40 | 0.18 | 4.9 | 0.081 | 4.05 | 31.5 | 21.0 | 0.14 | 282 | 6.87 | 0.61 | 10.5 | 32.2 | 110 |
| J598656 | | 5.72 | 17.65 | 0.20 | 5.6 | 0.088 | 2.88 | 46.9 | 25.2 | 0.14 | 128 | 3.48 | 0.53 | 13.7 | 14.4 | 70 |
| J598657 | | 1.35 | 18.65 | 0.19 | 5.4 | 0.098 | 2.89 | 50.2 | 26.4 | 0.15 | 94 | 2.79 | 0.53 | 13.0 | 1.7 | 80 |
| J598658 | | 1.34 | 13.80 | 0.17 | 5.1 | 0.075 | 2.76 | 38.6 | 18.4 | 0.11 | 96 | 2.05 | 0.57 | 11.6 | 1.4 | 80 |
| J598659 | | 1.58 | 15.50 | 0.20 | 6.1 | 0.045 | 3.28 | 51.3 | 13.5 | 0.09 | 148 | 2.32 | 1.78 | 12.7 | 2.6 | 90 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598620 | | 6.8 | 169.5 | <0.002 | 0.01 | 0.89 | 3.9 | 1 | 1.8 | 41.2 | 1.31 | <0.05 | 21.7 | 0.066 | 0.76 | 5.6 |
| J598621 | | 23.6 | 168.0 | <0.002 | 0.03 | 1.09 | 4.1 | 1 | 2.0 | 47.6 | 1.37 | <0.05 | 21.0 | 0.072 | 0.71 | 5.8 |
| J598622 | | 7.4 | 180.0 | <0.002 | <0.01 | 0.43 | 4.1 | 2 | 2.0 | 40.3 | 1.34 | <0.05 | 20.1 | 0.080 | 0.72 | 5.3 |
| J598623 | | 11.4 | 161.0 | <0.002 | 0.03 | 0.72 | 4.1 | 1 | 1.9 | 45.2 | 1.33 | <0.05 | 20.8 | 0.073 | 0.67 | 5.5 |
| J598624 | | 19.2 | 154.0 | <0.002 | 0.02 | 0.65 | 4.1 | 1 | 2.0 | 47.3 | 1.34 | <0.05 | 19.1 | 0.081 | 0.66 | 5.2 |
| J598625 | | 11.6 | 65.7 | <0.002 | <0.01 | 0.21 | 5.2 | 1 | 1.6 | 182.0 | 0.43 | <0.05 | 6.3 | 0.110 | 0.40 | 2.2 |
| J598626 | | 16.9 | 142.0 | <0.002 | 0.04 | 1.00 | 3.7 | 1 | 1.2 | 58.2 | 1.37 | <0.05 | 20.8 | 0.061 | 0.58 | 5.7 |
| J598627 | | 12.3 | 155.5 | <0.002 | 0.04 | 1.04 | 4.5 | 1 | 1.3 | 70.4 | 1.48 | <0.05 | 24.8 | 0.073 | 0.66 | 6.8 |
| J598628 | | 11.3 | 143.0 | <0.002 | 0.15 | 0.82 | 3.8 | 1 | 1.4 | 56.9 | 1.45 | <0.05 | 21.6 | 0.075 | 0.61 | 6.0 |
| J598629 | | 17.9 | 152.0 | <0.002 | 0.67 | 0.99 | 4.9 | 1 | 3.0 | 48.2 | 1.32 | <0.05 | 18.4 | 0.077 | 0.62 | 5.4 |
| J598630 | | 7.9 | 148.0 | <0.002 | 0.16 | 0.69 | 3.9 | 1 | 1.5 | 50.6 | 1.37 | <0.05 | 20.8 | 0.076 | 0.62 | 5.4 |
| J598631 | | 15.8 | 176.0 | <0.002 | 0.35 | 0.53 | 3.8 | 2 | 6.1 | 42.5 | 1.55 | <0.05 | 19.6 | 0.079 | 0.62 | 5.6 |
| J598632 | | 9.6 | 165.5 | <0.002 | 0.44 | 0.41 | 4.3 | 2 | 5.8 | 44.5 | 1.46 | <0.05 | 19.5 | 0.079 | 0.60 | 5.5 |
| J598633 | | 8.8 | 146.5 | <0.002 | 0.04 | 0.98 | 4.0 | 1 | 1.4 | 61.9 | 1.36 | <0.05 | 21.2 | 0.075 | 0.58 | 5.6 |
| J598634 | | 7.1 | 138.0 | <0.002 | 0.01 | 0.78 | 4.0 | 1 | 1.4 | 58.2 | 1.36 | <0.05 | 20.1 | 0.071 | 0.54 | 5.6 |
| J598635 | | 8.2 | 135.5 | <0.002 | 0.01 | 1.03 | 3.8 | 1 | 1.8 | 56.9 | 1.34 | <0.05 | 20.6 | 0.067 | 0.55 | 5.4 |
| J598636 | | 7.3 | 137.0 | <0.002 | <0.01 | 0.88 | 3.8 | 1 | 1.6 | 60.3 | 1.37 | <0.05 | 19.9 | 0.069 | 0.56 | 5.3 |
| J598637 | | 14.3 | 140.0 | <0.002 | 0.01 | 1.05 | 3.9 | 1 | 1.6 | 59.4 | 1.32 | <0.05 | 18.5 | 0.074 | 0.54 | 5.1 |
| J598638 | | 8.9 | 149.0 | <0.002 | 0.02 | 1.04 | 4.2 | 2 | 1.7 | 56.0 | 1.31 | <0.05 | 21.2 | 0.064 | 0.59 | 5.7 |
| J598639 | | 14.4 | 148.0 | <0.002 | 0.05 | 1.60 | 5.5 | 2 | 2.3 | 54.8 | 1.27 | <0.05 | 19.8 | 0.081 | 0.61 | 5.3 |
| J598640 | | 9.3 | 147.5 | <0.002 | 0.04 | 1.01 | 5.1 | 2 | 1.9 | 68.4 | 1.25 | <0.05 | 18.4 | 0.103 | 0.58 | 5.0 |
| J598641 | | 8.2 | 165.0 | <0.002 | 0.17 | 1.02 | 4.4 | 1 | 2.7 | 46.0 | 0.81 | <0.05 | 16.4 | 0.046 | 0.72 | 4.5 |
| J598642 | | 6.3 | 136.5 | <0.002 | 0.06 | 1.20 | 3.9 | 1 | 1.3 | 58.8 | 1.23 | <0.05 | 20.5 | 0.060 | 0.57 | 5.3 |
| J598643 | | 12.6 | 138.5 | <0.002 | 0.05 | 1.29 | 3.9 | 1 | 1.5 | 56.7 | 1.29 | <0.05 | 19.1 | 0.060 | 0.55 | 5.3 |
| J598644 | | 47.7 | 143.0 | <0.002 | 0.17 | 1.65 | 4.4 | 1 | 1.8 | 57.3 | 1.29 | <0.05 | 20.0 | 0.073 | 0.60 | 5.4 |
| J598645 | | 7.5 | 142.0 | <0.002 | 0.01 | 1.14 | 4.4 | 1 | 1.5 | 64.3 | 1.25 | <0.05 | 20.0 | 0.079 | 0.51 | 5.3 |
| J598646 | | 10.9 | 138.5 | <0.002 | 0.08 | 1.35 | 4.5 | 2 | 1.4 | 69.8 | 1.30 | <0.05 | 20.1 | 0.085 | 0.56 | 5.3 |
| J598647 | | 10.8 | 129.0 | <0.002 | 0.03 | 0.97 | 4.3 | 1 | 1.2 | 66.4 | 1.19 | <0.05 | 18.6 | 0.085 | 0.46 | 5.0 |
| J598648 | | 8.2 | 132.0 | <0.002 | 0.04 | 1.14 | 4.5 | 2 | 1.2 | 71.8 | 1.21 | <0.05 | 19.0 | 0.089 | 0.51 | 4.9 |
| J598649 | | 11.1 | 128.0 | <0.002 | 0.11 | 1.56 | 4.2 | 1 | 1.3 | 65.4 | 1.17 | <0.05 | 17.6 | 0.085 | 0.51 | 4.8 |
| J598650 | | 10.6 | 132.5 | <0.002 | 0.12 | 1.47 | 4.4 | 1 | 1.3 | 67.1 | 1.21 | <0.05 | 18.3 | 0.086 | 0.52 | 4.8 |
| J598651 | | 11.4 | 134.5 | <0.002 | 0.16 | 1.54 | 4.8 | 1 | 1.4 | 63.0 | 1.34 | <0.05 | 19.8 | 0.089 | 0.56 | 5.4 |
| J598652 | | 8.6 | 134.0 | <0.002 | 0.09 | 1.68 | 3.7 | 1 | 1.3 | 58.8 | 1.09 | <0.05 | 17.4 | 0.071 | 0.60 | 4.7 |
| J598653 | | 9.9 | 145.0 | <0.002 | 0.06 | 1.46 | 4.1 | 2 | 2.2 | 55.0 | 1.03 | <0.05 | 17.8 | 0.075 | 0.62 | 4.8 |
| J598654 | | 9.4 | 134.0 | 0.003 | 0.69 | 0.99 | 3.6 | <1 | 3.6 | 56.9 | 1.42 | <0.05 | 18.8 | 0.085 | 0.50 | 5.9 |
| J598655 | | 18.3 | 148.5 | 0.006 | 7.98 | 0.93 | 3.6 | 1 | 8.9 | 45.1 | 1.01 | 0.09 | 10.2 | 0.066 | 0.63 | 8.5 |
| J598656 | | 4.8 | 124.5 | 0.004 | 3.42 | 0.66 | 3.7 | 1 | 8.9 | 22.3 | 1.43 | <0.05 | 19.2 | 0.082 | 0.43 | 5.5 |
| J598657 | | 4.6 | 136.5 | 0.003 | 0.11 | 0.45 | 4.5 | <1 | 4.7 | 22.0 | 1.05 | 0.10 | 17.6 | 0.089 | 0.41 | 3.4 |
| J598658 | | 6.6 | 121.5 | 0.003 | 0.30 | 0.38 | 3.7 | <1 | 2.5 | 17.0 | 1.14 | <0.05 | 17.0 | 0.083 | 0.38 | 4.7 |
| J598659 | | 11.7 | 123.5 | 0.004 | 0.51 | 1.05 | 4.4 | <1 | 2.1 | 47.3 | 1.22 | <0.05 | 18.8 | 0.087 | 0.50 | 4.7 |

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

ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
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: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|
| J598620 | | 3 | 1.6 | 25.9 | 18 | 158.0 |
| J598621 | | 3 | 1.7 | 25.4 | 42 | 167.0 |
| J598622 | | 3 | 1.7 | 32.3 | 18 | 157.0 |
| J598623 | | 3 | 1.7 | 23.9 | 24 | 168.5 |
| J598624 | | 4 | 1.5 | 24.8 | 25 | 151.5 |
| J598625 | | 14 | 1.0 | 18.1 | 43 | 28.8 |
| J598626 | | 3 | 1.4 | 18.7 | 20 | 151.0 |
| J598627 | | 4 | 1.9 | 22.5 | 15 | 176.5 |
| J598628 | | 3 | 2.2 | 19.6 | 14 | 146.5 |
| J598629 | | 4 | 3.2 | 20.7 | 25 | 158.0 |
| J598630 | | 3 | 2.3 | 23.5 | 18 | 161.0 |
| J598631 | | 3 | 4.9 | 31.3 | 22 | 158.5 |
| J598632 | | 3 | 4.9 | 37.0 | 19 | 148.5 |
| J598633 | | 3 | 1.4 | 22.7 | 19 | 161.5 |
| J598634 | | 3 | 1.0 | 21.0 | 16 | 159.0 |
| J598635 | | 3 | 1.2 | 20.5 | 18 | 148.0 |
| J598636 | | 3 | 1.4 | 21.3 | 16 | 146.5 |
| J598637 | | 3 | 1.0 | 20.9 | 26 | 157.0 |
| J598638 | | 3 | 1.4 | 23.4 | 24 | 170.5 |
| J598639 | | 5 | 1.8 | 29.7 | 86 | 184.0 |
| J598640 | | 6 | 1.6 | 30.4 | 27 | 187.5 |
| J598641 | | 3 | 3.3 | 12.8 | 15 | 129.0 |
| J598642 | | 3 | 1.4 | 23.1 | 19 | 149.0 |
| J598643 | | 3 | 1.7 | 22.4 | 22 | 149.5 |
| J598644 | | 4 | 2.9 | 24.7 | 45 | 149.5 |
| J598645 | | 5 | 1.5 | 22.8 | 22 | 183.0 |
| J598646 | | 5 | 1.8 | 26.4 | 25 | 165.5 |
| J598647 | | 4 | 1.2 | 23.4 | 21 | 179.5 |
| J598648 | | 5 | 1.0 | 24.3 | 28 | 157.5 |
| J598649 | | 5 | 1.6 | 20.9 | 31 | 144.5 |
| J598650 | | 5 | 1.4 | 21.9 | 32 | 157.5 |
| J598651 | | 5 | 1.7 | 25.0 | 29 | 170.0 |
| J598652 | | 3 | 1.3 | 18.7 | 26 | 145.0 |
| J598653 | | 4 | 1.7 | 21.5 | 25 | 156.5 |
| J598654 | | 4 | 2.4 | 19.0 | 18 | 165.5 |
| J598655 | | 7 | 6.5 | 16.3 | 35 | 135.0 |
| J598656 | | 5 | 7.3 | 14.5 | 23 | 157.0 |
| J598657 | | 5 | 9.2 | 9.6 | 10 | 166.0 |
| J598658 | | 4 | 7.7 | 9.4 | 10 | 151.0 |
| J598659 | | 4 | 5.6 | 15.0 | 34 | 186.0 |

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

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**1 RICHMOND STREET WEST**
**SUITE 701**
**TORONTO ON M5H 3W4**


**Finalized Date: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| J598660 | | 1.10 | 0.016 | 0.18 | 6.09 | 141.0 | 740 | 1.47 | 0.10 | 0.59 | 0.05 | 97.9 | 2.4 | 10 | 1.03 | 7.5 |
| J598661 | | 1.70 | 0.115 | 0.15 | 6.18 | 247 | 740 | 1.66 | 0.12 | 0.59 | 0.10 | 85.5 | 2.4 | 10 | 1.07 | 12.0 |
| J598662 | | 1.38 | 0.161 | 0.14 | 6.12 | 124.5 | 710 | 1.70 | 0.15 | 0.56 | 0.14 | 97.8 | 2.1 | 10 | 1.00 | 9.4 |
| J598663 | | 1.94 | 0.089 | 0.20 | 6.23 | 128.5 | 720 | 1.87 | 0.15 | 0.60 | 0.11 | 110.0 | 3.3 | 11 | 1.04 | 9.7 |
| J598664 | | 1.68 | 0.038 | 0.22 | 6.03 | 182.0 | 720 | 1.62 | 0.22 | 0.62 | 0.11 | 99.9 | 2.7 | 17 | 1.12 | 10.9 |
| J598665 | | 1.70 | 0.028 | 0.15 | 5.97 | 199.5 | 690 | 1.78 | 0.15 | 0.55 | 0.06 | 93.2 | 2.6 | 10 | 1.10 | 10.8 |
| J598666 | | 1.66 | 0.044 | 0.21 | 6.03 | 252 | 660 | 1.79 | 0.12 | 0.53 | 0.06 | 93.2 | 1.8 | 11 | 1.07 | 10.6 |
| J598667 | | 1.61 | 0.107 | 0.20 | 6.08 | 200 | 690 | 1.40 | 0.12 | 0.51 | 0.04 | 93.5 | 2.2 | 12 | 0.84 | 16.1 |
| J598668 | | 1.68 | 0.180 | 0.10 | 5.96 | 189.5 | 660 | 1.39 | 0.11 | 0.46 | 0.07 | 90.0 | 1.8 | 8 | 0.77 | 10.1 |
| J598669 | | 1.64 | 0.005 | 0.09 | 6.23 | 241 | 690 | 1.60 | 0.10 | 0.52 | 0.06 | 93.0 | 2.3 | 9 | 0.95 | 8.1 |
| J598670 | | 1.68 | 0.011 | 0.10 | 6.13 | 118.5 | 730 | 1.77 | 0.14 | 0.53 | 0.07 | 165.0 | 3.4 | 10 | 2.16 | 22.0 |
| J598671 | | 1.63 | 0.030 | 0.16 | 6.30 | 161.0 | 700 | 1.51 | 0.12 | 0.48 | 0.07 | 102.0 | 3.6 | 9 | 1.04 | 13.4 |
| J598672 | | 1.64 | 0.091 | 0.13 | 6.20 | 139.0 | 740 | 1.63 | 0.17 | 0.60 | 0.04 | 93.1 | 2.8 | 10 | 1.30 | 13.6 |
| J598673 | | 1.72 | 0.115 | 0.17 | 6.20 | 247 | 740 | 1.56 | 0.17 | 0.54 | 0.05 | 95.4 | 2.5 | 9 | 1.21 | 13.9 |
| J598674 | | 1.74 | 0.039 | 0.17 | 6.33 | 394 | 760 | 1.50 | 0.16 | 0.56 | 0.12 | 95.9 | 2.9 | 9 | 1.00 | 13.2 |
| J598675 | | 0.03 | 0.598 | 0.76 | 8.53 | 3.5 | 90 | 2.22 | 1.39 | 0.95 | 0.14 | 15.60 | 7.5 | 29 | 28.5 | 9.8 |
| J598676 | | 1.68 | 0.100 | 0.24 | 6.11 | 423 | 770 | 1.49 | 0.19 | 0.54 | 0.04 | 98.1 | 2.8 | 12 | 0.99 | 19.8 |
| J598677 | | 1.71 | 0.211 | 0.15 | 6.14 | 1180 | 750 | 1.37 | 0.37 | 0.57 | 0.04 | 95.7 | 3.0 | 10 | 0.87 | 24.0 |
| J598678 | | 1.72 | 0.047 | 0.11 | 6.45 | 210 | 740 | 1.64 | 0.12 | 0.56 | 0.02 | 97.0 | 2.5 | 8 | 1.11 | 15.6 |
| J598679 | | 1.32 | 0.087 | 0.10 | 6.51 | 295 | 720 | 1.93 | 0.12 | 0.50 | 0.03 | 115.0 | 2.9 | 9 | 1.16 | 13.3 |

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


**Finalized Date: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
| J598660 | | 1.39 | 14.45 | 0.19 | 5.0 | 0.025 | 3.35 | 48.0 | 7.1 | 0.08 | 249 | 1.89 | 2.34 | 11.3 | 12.8 | 100 |
| J598661 | | 1.41 | 15.15 | 0.19 | 5.5 | 0.052 | 3.42 | 41.5 | 9.1 | 0.08 | 250 | 1.68 | 2.37 | 13.9 | 1.8 | 90 |
| J598662 | | 1.55 | 14.95 | 0.21 | 5.4 | 0.050 | 3.34 | 48.2 | 11.6 | 0.08 | 258 | 2.40 | 2.35 | 13.4 | 1.7 | 90 |
| J598663 | | 1.49 | 15.75 | 0.22 | 5.5 | 0.039 | 3.49 | 52.1 | 9.9 | 0.08 | 273 | 2.59 | 2.42 | 15.1 | 1.9 | 90 |
| J598664 | | 1.42 | 15.30 | 0.21 | 5.1 | 0.033 | 3.38 | 49.7 | 9.6 | 0.08 | 290 | 2.38 | 2.27 | 14.0 | 1.7 | 90 |
| J598665 | | 1.41 | 14.75 | 0.20 | 6.3 | 0.020 | 3.23 | 44.9 | 8.1 | 0.08 | 277 | 2.67 | 2.37 | 14.5 | 1.8 | 90 |
| J598666 | | 1.48 | 15.15 | 0.21 | 6.0 | 0.022 | 3.26 | 46.6 | 10.6 | 0.08 | 271 | 1.67 | 2.40 | 16.7 | 1.8 | 90 |
| J598667 | | 1.37 | 14.95 | 0.22 | 5.1 | 0.028 | 3.48 | 47.6 | 11.9 | 0.07 | 220 | 3.59 | 2.27 | 14.6 | 1.8 | 70 |
| J598668 | | 1.20 | 14.70 | 0.18 | 5.2 | 0.015 | 3.49 | 42.7 | 10.5 | 0.06 | 212 | 2.57 | 2.33 | 13.8 | 1.4 | 70 |
| J598669 | | 1.26 | 15.50 | 0.18 | 5.9 | 0.019 | 3.68 | 43.1 | 7.3 | 0.06 | 282 | 4.39 | 2.41 | 13.7 | 1.7 | 80 |
| J598670 | | 1.99 | 16.05 | 0.26 | 5.3 | 0.031 | 3.37 | 80.9 | 12.1 | 0.09 | 279 | 2.86 | 2.24 | 14.0 | 4.8 | 90 |
| J598671 | | 1.45 | 14.80 | 0.20 | 5.0 | 0.012 | 3.61 | 47.9 | 9.2 | 0.07 | 237 | 4.76 | 2.44 | 12.4 | 1.7 | 80 |
| J598672 | | 1.38 | 14.60 | 0.18 | 5.8 | 0.013 | 3.54 | 44.5 | 8.7 | 0.08 | 295 | 3.25 | 2.37 | 12.7 | 1.6 | 90 |
| J598673 | | 1.40 | 14.75 | 0.19 | 5.8 | 0.013 | 3.51 | 49.3 | 8.7 | 0.07 | 292 | 2.48 | 2.37 | 13.2 | 1.5 | 80 |
| J598674 | | 1.41 | 14.85 | 0.19 | 5.0 | 0.052 | 3.59 | 44.7 | 9.0 | 0.07 | 340 | 2.78 | 2.40 | 13.7 | 1.5 | 80 |
| J598675 | | 3.56 | 17.25 | 0.12 | 1.6 | 0.011 | 2.13 | 7.4 | 6.1 | 0.70 | 251 | 0.88 | 5.28 | 7.7 | 26.7 | 720 |
| J598676 | | 1.32 | 14.65 | 0.18 | 5.2 | 0.043 | 3.50 | 47.0 | 9.0 | 0.07 | 294 | 2.04 | 2.27 | 12.2 | 1.6 | 80 |
| J598677 | | 1.44 | 14.20 | 0.20 | 4.9 | 0.020 | 3.60 | 45.5 | 9.7 | 0.07 | 276 | 2.56 | 2.04 | 10.9 | 1.6 | 80 |
| J598678 | | 1.50 | 16.15 | 0.19 | 5.8 | 0.026 | 3.61 | 45.6 | 11.7 | 0.09 | 240 | 2.49 | 2.30 | 14.8 | 1.5 | 90 |
| J598679 | | 1.40 | 16.45 | 0.22 | 6.0 | 0.030 | 3.46 | 54.6 | 17.0 | 0.10 | 201 | 2.38 | 2.08 | 14.7 | 1.6 | 100 |

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**TORONTO ON M5H 3W4**


**Finalized Date: 7-MAR-2012**
**Account: RRRTPK**

Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 | Pb | Rb | Re | S | Sb | Sc | Se | Sn | Sr | Ta | Te | Th | Ti | Tl | U |
| | Units | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm |
| | LOR | 0.5 | 0.1 | 0.002 | 0.01 | 0.05 | 0.1 | 1 | 0.2 | 0.2 | 0.05 | 0.05 | 0.2 | 0.005 | 0.02 | 0.1 |
| J598660 | | 7.1 | 117.0 | 0.003 | 0.13 | 1.10 | 4.2 | 1 | 1.6 | 63.3 | 1.05 | 0.07 | 17.2 | 0.088 | 0.48 | 4.0 |
| J598661 | | 10.5 | 115.0 | 0.003 | 0.19 | 1.38 | 4.4 | 1 | 1.7 | 58.3 | 1.32 | <0.05 | 20.2 | 0.084 | 0.50 | 5.1 |
| J598662 | | 13.8 | 116.5 | 0.004 | 0.22 | 1.56 | 4.5 | 1 | 1.6 | 60.5 | 1.30 | <0.05 | 19.6 | 0.085 | 0.53 | 4.7 |
| J598663 | | 14.2 | 121.0 | 0.004 | 0.21 | 1.49 | 4.3 | 1 | 1.8 | 62.3 | 1.43 | <0.05 | 22.5 | 0.089 | 0.51 | 5.2 |
| J598664 | | 12.0 | 119.5 | 0.003 | 0.23 | 1.70 | 4.3 | 1 | 1.6 | 60.6 | 1.27 | <0.05 | 19.1 | 0.087 | 0.53 | 4.8 |
| J598665 | | 14.3 | 118.5 | 0.002 | 0.16 | 1.78 | 4.1 | 1 | 1.9 | 58.3 | 1.48 | <0.05 | 19.6 | 0.089 | 0.50 | 4.9 |
| J598666 | | 12.6 | 129.5 | 0.003 | 0.22 | 1.77 | 4.2 | 1 | 2.0 | 48.5 | 1.64 | <0.05 | 20.4 | 0.084 | 0.51 | 5.4 |
| J598667 | | 14.1 | 125.5 | 0.004 | 0.32 | 1.42 | 3.9 | 1 | 1.9 | 47.3 | 1.35 | <0.05 | 20.3 | 0.078 | 0.52 | 5.2 |
| J598668 | | 19.8 | 120.0 | 0.003 | 0.26 | 1.43 | 3.8 | 1 | 1.5 | 45.4 | 1.39 | 0.16 | 21.0 | 0.069 | 0.47 | 5.2 |
| J598669 | | 9.5 | 126.5 | 0.002 | 0.10 | 1.18 | 3.9 | 1 | 1.5 | 55.8 | 1.29 | <0.05 | 21.3 | 0.073 | 0.49 | 5.2 |
| J598670 | | 20.6 | 117.5 | 0.003 | 0.43 | 1.38 | 7.0 | 1 | 2.4 | 51.6 | 1.33 | <0.05 | 23.5 | 0.081 | 0.47 | 5.6 |
| J598671 | | 16.8 | 120.0 | 0.005 | 0.21 | 1.40 | 4.0 | 1 | 1.4 | 52.4 | 1.20 | <0.05 | 17.9 | 0.084 | 0.45 | 4.4 |
| J598672 | | 12.2 | 121.5 | 0.004 | 0.17 | 1.31 | 4.2 | 1 | 1.1 | 61.7 | 1.21 | 0.11 | 18.7 | 0.086 | 0.52 | 4.5 |
| J598673 | | 11.0 | 116.0 | 0.004 | 0.19 | 1.18 | 4.1 | 1 | 1.1 | 58.8 | 1.23 | <0.05 | 20.4 | 0.085 | 0.46 | 4.6 |
| J598674 | | 11.7 | 116.0 | 0.004 | 0.23 | 1.21 | 4.0 | 1 | 1.0 | 59.6 | 1.32 | <0.05 | 19.8 | 0.085 | 0.46 | 4.9 |
| J598675 | | 76.9 | 840 | 0.003 | 2.61 | 1.25 | 3.3 | <1 | 1.2 | 165.5 | 0.70 | <0.05 | 3.0 | 0.217 | 8.36 | 1.3 |
| J598676 | | 12.6 | 113.0 | 0.004 | 0.35 | 1.39 | 4.0 | 1 | 1.0 | 63.4 | 1.20 | 0.09 | 19.9 | 0.082 | 0.54 | 4.7 |
| J598677 | | 17.2 | 118.5 | 0.003 | 0.56 | 1.86 | 4.0 | <1 | 1.1 | 54.9 | 1.04 | 0.05 | 17.8 | 0.072 | 0.52 | 4.3 |
| J598678 | | 11.3 | 121.0 | 0.004 | 0.24 | 1.33 | 4.2 | 1 | 1.9 | 57.5 | 1.49 | <0.05 | 22.1 | 0.085 | 0.50 | 5.5 |
| J598679 | | 9.5 | 125.5 | 0.005 | 0.20 | 1.15 | 4.8 | <1 | 2.1 | 53.5 | 1.36 | <0.05 | 23.9 | 0.090 | 0.51 | 5.4 |

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Project: TPK-ROWLANDSON

# CERTIFICATE OF ANALYSIS TB12031917

| 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 |
|---|---|---|---|---|---|---|
| J598660 | | 4 | 2.0 | 16.9 | 34 | 145.0 |
| J598661 | | 4 | 2.4 | 20.5 | 44 | 168.0 |
| J598662 | | 4 | 2.3 | 20.1 | 53 | 163.0 |
| J598663 | | 4 | 2.8 | 21.3 | 49 | 165.5 |
| J598664 | | 4 | 2.6 | 24.2 | 46 | 161.0 |
| J598665 | | 4 | 2.6 | 21.0 | 30 | 166.5 |
| J598666 | | 3 | 3.4 | 24.1 | 30 | 169.5 |
| J598667 | | 3 | 3.7 | 20.0 | 20 | 152.5 |
| J598668 | | 3 | 2.9 | 16.4 | 31 | 148.0 |
| J598669 | | 3 | 1.5 | 16.7 | 20 | 168.5 |
| J598670 | | 5 | 2.1 | 35.1 | 33 | 145.0 |
| J598671 | | 3 | 1.9 | 16.1 | 23 | 141.5 |
| J598672 | | 4 | 1.6 | 17.6 | 23 | 170.0 |
| J598673 | | 4 | 1.6 | 19.1 | 23 | 175.0 |
| J598674 | | 4 | 2.0 | 21.5 | 41 | 145.5 |
| J598675 | | 27 | 0.2 | 3.8 | 41 | 50.9 |
| J598676 | | 4 | 2.7 | 20.5 | 22 | 151.5 |
| J598677 | | 4 | 3.1 | 15.3 | 20 | 148.0 |
| J598678 | | 4 | 2.8 | 23.8 | 16 | 169.0 |
| J598679 | | 5 | 4.2 | 20.5 | 17 | 181.0 |

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# CERTIFICATE OF ANALYSIS TB12031917

| Method | CERTIFICATE COMMENTS |
|---|---|
| ALL METHODS | NSS is non-sufficient sample. |
| ME-MS61 | REE's may not be totally soluble in this method. |