Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

**Client:** **Kinross Gold Corporation**
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8 Canada

Submitted By: Jean-Pierre Londero
Receiving Lab: Canada-Dawson City
Received: August 01, 2011
Report Date: August 21, 2011


# CERTIFICATE OF ANALYSIS DAW11000126.1

## CLIENT JOB INFORMATION

Project: TSL
Shipment ID: TSL2011-02
P.O. Number
Number of Samples: 114

## SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

| Method Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|---|---|---|---|---|---|
| SS80 | 114 | Dry at 60C sieve 100g to -80 mesh | | | WHI |
| Dry at 60C | 114 | Dry at 60C | | | WHI |
| 1DX2 | 114 | 1:1:1 Aqua Regia digestion ICP-MS analysis | 15 | Completed | VAN |

## ADDITIONAL COMMENTS

Invoice To: Selene Holdings LP
885 W. Georgia Street, Suite 1380
Vancouver BC V6C 3E8
Canada

CC: Jean-Pierre Londero

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
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Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000126.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1160603 | Soil | 1.3 | <0.1 | 1.33 | 5.6 | 2 | 177 | 0.2 | 0.25 | 0.2 | 7.0 | 24 | 14.6 | 2.38 | 5 | 0.03 | 0.05 | 11 | 0.42 | 255 | 0.6 |
| 1160601 | Soil | 7.8 | 0.1 | 1.49 | 5.4 | 2 | 217 | 0.2 | 0.21 | <0.1 | 10.7 | 24 | 15.5 | 2.68 | 6 | 0.04 | 0.05 | 11 | 0.47 | 602 | 0.9 |
| 1160605 | Soil | 1.7 | 0.1 | 1.61 | 6.0 | 2 | 314 | 0.2 | 0.34 | 0.2 | 10.3 | 25 | 23.8 | 2.79 | 6 | 0.04 | 0.06 | 31 | 0.38 | 387 | 1.1 |
| 1160604 | Soil | 1.4 | <0.1 | 1.31 | 4.2 | 1 | 156 | 0.1 | 0.29 | 0.1 | 5.5 | 22 | 12.3 | 1.88 | 5 | 0.04 | 0.05 | 11 | 0.36 | 208 | 0.7 |
| 1160602 | Soil | 4.3 | 0.1 | 1.56 | 5.4 | 2 | 253 | 0.2 | 0.26 | 0.2 | 8.5 | 26 | 14.6 | 2.46 | 5 | 0.04 | 0.04 | 16 | 0.43 | 361 | 0.6 |
| 1160691 | Soil | 4.5 | <0.1 | 1.32 | 5.3 | 1 | 295 | 0.1 | 0.23 | <0.1 | 7.9 | 23 | 21.7 | 2.66 | 6 | 0.01 | 0.19 | 19 | 0.49 | 418 | 1.5 |
| 1160607 | Soil | 2.6 | <0.1 | 1.72 | 5.4 | <1 | 131 | 0.2 | 0.10 | <0.1 | 6.8 | 20 | 16.6 | 2.96 | 7 | 0.02 | 0.12 | 8 | 0.31 | 310 | 1.0 |
| 1160606 | Soil | <0.5 | <0.1 | 1.31 | 6.9 | 1 | 120 | 0.2 | 0.10 | <0.1 | 7.5 | 13 | 13.0 | 2.58 | 7 | 0.02 | 0.17 | 11 | 0.28 | 679 | 0.9 |
| 1160700 | Soil | 5.7 | 0.1 | 1.29 | 4.8 | <1 | 179 | 0.1 | 0.22 | 0.1 | 6.1 | 21 | 11.9 | 2.20 | 5 | 0.04 | 0.04 | 10 | 0.40 | 221 | 0.7 |
| 1161073 | Soil | 2.6 | 0.2 | 1.61 | 5.0 | 2 | 268 | 0.1 | 0.39 | 0.2 | 12.9 | 45 | 45.6 | 2.60 | 5 | 0.04 | 0.04 | 10 | 0.78 | 435 | 0.8 |
| 1160696 | Soil | 5.2 | 0.1 | 1.84 | 6.6 | 1 | 319 | 0.2 | 0.36 | 0.2 | 10.1 | 34 | 30.3 | 2.97 | 6 | 0.05 | 0.06 | 37 | 0.49 | 361 | 0.9 |
| 1161044 | Soil | 4.0 | <0.1 | 1.11 | 3.9 | <1 | 237 | <0.1 | 0.26 | <0.1 | 7.5 | 19 | 12.8 | 2.45 | 5 | 0.02 | 0.12 | 18 | 0.40 | 403 | 0.8 |
| 1160698 | Soil | 2.8 | <0.1 | 1.68 | 5.8 | <1 | 213 | 0.1 | 0.25 | 0.1 | 8.4 | 28 | 15.9 | 2.79 | 6 | 0.03 | 0.07 | 16 | 0.45 | 343 | 0.6 |
| 1161045 | Soil | 6.5 | <0.1 | 1.41 | 4.8 | 1 | 246 | 0.1 | 0.24 | <0.1 | 9.6 | 21 | 21.4 | 2.90 | 6 | 0.02 | 0.10 | 9 | 0.53 | 487 | 0.9 |
| 1160695 | Soil | 1.7 | <0.1 | 1.90 | 6.9 | 1 | 195 | 0.1 | 0.20 | <0.1 | 11.2 | 40 | 21.3 | 2.94 | 6 | 0.02 | 0.08 | 19 | 0.55 | 406 | 0.9 |
| 1161042 | Soil | 1.8 | <0.1 | 1.46 | 5.6 | <1 | 245 | 0.1 | 0.16 | <0.1 | 7.6 | 21 | 19.4 | 2.87 | 5 | 0.02 | 0.23 | 13 | 0.51 | 383 | 0.7 |
| 1161043 | Soil | 3.8 | <0.1 | 1.83 | 6.5 | 1 | 306 | 0.1 | 0.19 | <0.1 | 8.1 | 27 | 23.6 | 3.31 | 6 | 0.03 | 0.12 | 17 | 0.55 | 355 | 1.2 |
| 1160693 | Soil | 3.0 | <0.1 | 2.41 | 8.8 | 1 | 301 | 0.2 | 0.25 | <0.1 | 12.7 | 46 | 30.9 | 3.53 | 7 | 0.02 | 0.06 | 21 | 0.66 | 482 | 0.9 |
| 1160694 | Soil | 2.1 | <0.1 | 2.17 | 9.3 | 1 | 333 | 0.2 | 0.29 | <0.1 | 10.3 | 47 | 35.1 | 3.15 | 6 | 0.06 | 0.07 | 38 | 0.65 | 458 | 0.9 |
| 1160697 | Soil | 6.8 | <0.1 | 1.54 | 4.7 | 2 | 188 | 0.1 | 0.25 | 0.1 | 6.2 | 27 | 16.9 | 2.28 | 5 | 0.04 | 0.05 | 15 | 0.43 | 184 | 0.4 |
| 1160692 | Soil | <0.5 | <0.1 | 1.89 | 4.6 | <1 | 195 | <0.1 | 0.14 | 0.1 | 9.0 | 13 | 20.5 | 3.62 | 10 | <0.01 | 0.60 | 7 | 0.92 | 706 | 1.4 |
| 1160608 | Soil | <0.5 | <0.1 | 2.32 | 2.1 | <1 | 246 | <0.1 | 0.07 | <0.1 | 5.2 | 9 | 10.3 | 3.40 | 10 | <0.01 | 0.62 | 16 | 1.11 | 370 | 0.6 |
| 1161046 | Soil | 2.2 | <0.1 | 1.36 | 4.5 | 1 | 298 | <0.1 | 0.29 | <0.1 | 9.4 | 19 | 24.2 | 3.06 | 6 | 0.02 | 0.23 | 8 | 0.55 | 402 | 0.5 |
| 1161041 | Soil | <0.5 | <0.1 | 2.45 | 2.9 | <1 | 246 | <0.1 | 0.09 | <0.1 | 5.8 | 8 | 11.4 | 3.73 | 12 | <0.01 | 0.54 | 12 | 1.09 | 401 | 0.5 |
| 1160699 | Soil | 67.4 | 0.2 | 1.55 | 5.7 | 1 | 215 | 0.1 | 0.27 | 0.1 | 8.0 | 23 | 12.9 | 2.50 | 6 | 0.03 | 0.06 | 11 | 0.49 | 338 | 0.9 |
| 1160688 | Soil | 9.6 | 0.2 | 1.50 | 6.9 | 1 | 359 | 0.1 | 0.36 | 0.2 | 10.7 | 27 | 21.7 | 3.34 | 6 | 0.08 | 0.11 | 34 | 0.42 | 617 | 1.2 |
| 1160690 | Soil | 3.1 | <0.1 | 1.61 | 5.6 | 1 | 309 | 0.1 | 0.31 | <0.1 | 8.6 | 30 | 21.2 | 2.99 | 6 | 0.02 | 0.24 | 18 | 0.68 | 396 | 1.0 |
| 1160689 | Soil | 3.4 | <0.1 | 1.34 | 3.9 | 1 | 271 | 0.1 | 0.26 | <0.1 | 10.6 | 62 | 32.0 | 4.20 | 6 | 0.01 | 0.35 | 40 | 0.49 | 612 | 1.2 |
| 1160066 | Soil | 3.0 | <0.1 | 1.92 | 6.0 | <1 | 186 | <0.1 | 0.33 | 0.2 | 14.1 | 22 | 30.7 | 3.23 | 7 | 0.02 | 0.09 | 7 | 0.77 | 278 | 0.5 |
| 1160062 | Soil | 2.4 | <0.1 | 1.84 | 3.4 | 2 | 661 | 0.1 | 0.31 | 0.5 | 7.5 | 10 | 39.1 | 4.18 | 9 | 0.01 | 0.49 | 17 | 0.68 | 830 | 0.4 |

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# CERTIFICATE OF ANALYSIS DAW11000126.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1160603 | Soil | 0.011 | 13.9 | 0.051 | 21.9 | <0.05 | 0.3 | 2.9 | <0.5 | 18 | <0.2 | 3.6 | 0.056 | <0.1 | 0.8 | 45 | 0.1 | 59 |
| 1160601 | Soil | 0.010 | 13.0 | 0.051 | 14.7 | <0.05 | 0.2 | 3.2 | <0.5 | 17 | <0.2 | 2.3 | 0.054 | <0.1 | 1.1 | 56 | 0.2 | 58 |
| 1160605 | Soil | 0.012 | 14.2 | 0.051 | 16.5 | <0.05 | 0.3 | 4.1 | <0.5 | 23 | <0.2 | 6.8 | 0.064 | 0.1 | 1.7 | 46 | 0.2 | 63 |
| 1160604 | Soil | 0.012 | 13.5 | 0.052 | 7.7 | <0.05 | 0.3 | 2.8 | <0.5 | 21 | <0.2 | 2.6 | 0.054 | <0.1 | 0.7 | 38 | 0.1 | 49 |
| 1160602 | Soil | 0.010 | 14.5 | 0.050 | 11.3 | <0.05 | 0.4 | 3.9 | 0.6 | 19 | <0.2 | 4.3 | 0.059 | <0.1 | 1.1 | 51 | 0.1 | 57 |
| 1160691 | Soil | 0.012 | 11.7 | 0.033 | 15.8 | <0.05 | 0.2 | 3.9 | <0.5 | 17 | <0.2 | 5.9 | 0.088 | <0.1 | 0.8 | 42 | 0.1 | 51 |
| 1160607 | Soil | 0.007 | 11.5 | 0.027 | 41.0 | <0.05 | 0.3 | 4.2 | <0.5 | 8 | <0.2 | 5.4 | 0.090 | 0.1 | 0.7 | 50 | 0.1 | 48 |
| 1160606 | Soil | 0.006 | 7.1 | 0.037 | 24.4 | <0.05 | 0.3 | 3.4 | <0.5 | 8 | <0.2 | 3.5 | 0.054 | 0.1 | 0.6 | 36 | 0.1 | 66 |
| 1160700 | Soil | 0.012 | 12.2 | 0.048 | 12.2 | <0.05 | 0.2 | 2.5 | <0.5 | 17 | <0.2 | 2.2 | 0.062 | <0.1 | 0.8 | 44 | 0.1 | 48 |
| 1161073 | Soil | 0.014 | 25.2 | 0.046 | 10.7 | <0.05 | 0.2 | 4.6 | <0.5 | 22 | <0.2 | 1.9 | 0.061 | <0.1 | 0.7 | 60 | 0.1 | 114 |
| 1160696 | Soil | 0.017 | 25.0 | 0.057 | 12.6 | <0.05 | 0.5 | 5.8 | 1.0 | 26 | <0.2 | 6.9 | 0.081 | <0.1 | 2.0 | 56 | 0.2 | 70 |
| 1161044 | Soil | 0.011 | 11.4 | 0.029 | 10.9 | <0.05 | 0.2 | 3.4 | <0.5 | 17 | <0.2 | 5.0 | 0.077 | <0.1 | 1.6 | 39 | 0.1 | 57 |
| 1160698 | Soil | 0.010 | 15.5 | 0.049 | 9.3 | <0.05 | 0.3 | 4.3 | <0.5 | 18 | <0.2 | 5.9 | 0.084 | <0.1 | 1.2 | 50 | 0.1 | 60 |
| 1161045 | Soil | 0.015 | 12.1 | 0.043 | 6.7 | <0.05 | 0.2 | 3.9 | <0.5 | 17 | <0.2 | 2.1 | 0.085 | <0.1 | 0.5 | 51 | <0.1 | 66 |
| 1160695 | Soil | 0.012 | 24.7 | 0.031 | 12.2 | <0.05 | 0.4 | 4.1 | <0.5 | 17 | <0.2 | 5.4 | 0.076 | <0.1 | 0.7 | 60 | <0.1 | 54 |
| 1161042 | Soil | 0.010 | 14.4 | 0.023 | 28.4 | <0.05 | 0.3 | 4.2 | 0.7 | 13 | <0.2 | 6.3 | 0.094 | <0.1 | 0.7 | 45 | 0.1 | 57 |
| 1161043 | Soil | 0.009 | 15.2 | 0.025 | 32.1 | <0.05 | 0.3 | 4.8 | <0.5 | 16 | <0.2 | 6.4 | 0.088 | <0.1 | 0.8 | 52 | <0.1 | 61 |
| 1160693 | Soil | 0.013 | 27.4 | 0.020 | 34.1 | <0.05 | 0.4 | 5.8 | 0.6 | 26 | <0.2 | 9.3 | 0.101 | <0.1 | 0.9 | 72 | <0.1 | 65 |
| 1160694 | Soil | 0.012 | 30.6 | 0.027 | 11.1 | <0.05 | 0.5 | 8.0 | 0.9 | 28 | <0.2 | 7.2 | 0.087 | <0.1 | 1.1 | 67 | 0.2 | 61 |
| 1160697 | Soil | 0.013 | 15.4 | 0.043 | 8.2 | <0.05 | 0.4 | 3.4 | <0.5 | 19 | <0.2 | 4.3 | 0.065 | <0.1 | 0.8 | 49 | 0.1 | 55 |
| 1160692 | Soil | 0.008 | 8.3 | 0.035 | 13.7 | <0.05 | 0.2 | 5.4 | <0.5 | 12 | <0.2 | 8.1 | 0.152 | 0.2 | 0.8 | 41 | <0.1 | 84 |
| 1160608 | Soil | 0.008 | 5.4 | 0.022 | 28.2 | <0.05 | 0.1 | 5.5 | <0.5 | 6 | <0.2 | 10.2 | 0.133 | 0.2 | 0.8 | 20 | <0.1 | 68 |
| 1161046 | Soil | 0.010 | 11.2 | 0.047 | 7.2 | <0.05 | 0.3 | 3.6 | <0.5 | 16 | <0.2 | 2.0 | 0.093 | <0.1 | 0.4 | 50 | <0.1 | 68 |
| 1161041 | Soil | 0.008 | 5.0 | 0.023 | 29.5 | <0.05 | 0.1 | 5.4 | 0.6 | 6 | <0.2 | 10.0 | 0.128 | 0.2 | 0.8 | 24 | <0.1 | 74 |
| 1160699 | Soil | 0.012 | 13.4 | 0.050 | 16.5 | <0.05 | 0.2 | 3.3 | <0.5 | 20 | <0.2 | 2.8 | 0.074 | <0.1 | 0.8 | 51 | 0.1 | 59 |
| 1160688 | Soil | 0.013 | 13.6 | 0.086 | 17.5 | <0.05 | 0.2 | 6.8 | <0.5 | 25 | <0.2 | 4.1 | 0.064 | <0.1 | 1.9 | 52 | 0.1 | 62 |
| 1160690 | Soil | 0.013 | 14.8 | 0.047 | 13.4 | <0.05 | 0.3 | 4.5 | <0.5 | 21 | <0.2 | 5.3 | 0.132 | 0.1 | 0.8 | 57 | 0.1 | 62 |
| 1160689 | Soil | 0.010 | 63.7 | 0.069 | 13.8 | <0.05 | 0.3 | 10.6 | 0.8 | 16 | <0.2 | 14.8 | 0.062 | 0.1 | 2.9 | 42 | <0.1 | 90 |
| 1160066 | Soil | 0.032 | 19.2 | 0.047 | 7.9 | <0.05 | 0.2 | 4.6 | 0.6 | 16 | <0.2 | 2.1 | 0.083 | <0.1 | 0.3 | 82 | <0.1 | 102 |
| 1160062 | Soil | 0.009 | 9.9 | 0.053 | 4.5 | <0.05 | 0.2 | 6.5 | <0.5 | 22 | <0.2 | 3.5 | 0.141 | 0.2 | 0.6 | 33 | <0.1 | 293 |

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| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1160063 | Soil | 48.8 | 0.2 | 2.13 | 7.9 | 3 | 886 | 0.2 | 0.39 | <0.1 | 13.5 | 32 | 51.6 | 4.07 | 6 | 0.12 | 0.12 | 26 | 0.69 | 470 | 3.1 |
| 1160064 | Soil | 5.2 | 0.2 | 2.33 | 7.5 | 2 | 381 | 0.2 | 0.25 | 0.4 | 13.5 | 36 | 64.1 | 3.66 | 8 | 0.03 | 0.22 | 10 | 0.88 | 508 | 0.9 |
| 1160069 | Soil | 17.3 | <0.1 | 1.95 | 8.8 | 1 | 509 | 0.1 | 0.36 | <0.1 | 9.8 | 35 | 18.7 | 3.31 | 7 | 0.04 | 0.06 | 39 | 0.63 | 338 | 0.8 |
| 1160065 | Soil | 2.8 | <0.1 | 2.05 | 6.5 | <1 | 170 | 0.1 | 0.22 | 0.1 | 12.4 | 33 | 39.6 | 3.63 | 7 | 0.02 | 0.12 | 6 | 0.77 | 449 | 0.8 |
| 1160068 | Soil | 164.0 | 0.2 | 2.10 | 8.4 | <1 | 849 | 0.1 | 0.39 | <0.1 | 9.9 | 39 | 33.6 | 3.46 | 6 | 0.05 | 0.06 | 29 | 0.50 | 427 | 1.1 |
| 1160067 | Soil | 30.3 | <0.1 | 1.39 | 7.1 | <1 | 216 | 0.2 | 0.16 | <0.1 | 4.9 | 11 | 18.1 | 3.62 | 4 | 0.02 | 0.10 | 5 | 0.17 | 236 | 4.9 |
| 1160070 | Soil | 1.2 | <0.1 | 1.59 | 5.3 | 2 | 214 | 0.1 | 0.26 | <0.1 | 9.1 | 32 | 17.1 | 3.01 | 7 | 0.03 | 0.19 | 22 | 0.64 | 388 | 0.6 |
| 1160071 | Soil | 2.9 | <0.1 | 1.46 | 4.7 | <1 | 426 | 0.1 | 0.35 | 0.2 | 9.6 | 21 | 18.5 | 2.67 | 6 | 0.03 | 0.16 | 17 | 0.54 | 486 | 0.8 |
| 1160051 | Soil | 10.3 | <0.1 | 1.78 | 7.0 | <1 | 488 | 0.2 | 0.21 | 0.2 | 10.2 | 26 | 80.6 | 3.81 | 6 | 0.06 | 0.07 | 18 | 0.58 | 576 | 1.1 |
| 1160085 | Soil | <0.5 | <0.1 | 1.99 | 6.6 | 1 | 299 | 0.2 | 0.20 | <0.1 | 8.2 | 27 | 20.3 | 3.02 | 6 | 0.02 | 0.07 | 10 | 0.54 | 318 | 0.8 |
| 1160073 | Soil | 3.2 | <0.1 | 1.90 | 7.3 | 1 | 145 | 0.2 | 0.21 | 0.1 | 12.7 | 39 | 31.0 | 3.22 | 7 | 0.04 | 0.08 | 6 | 0.69 | 450 | 1.1 |
| 1160076 | Soil | <0.5 | <0.1 | 2.26 | 9.4 | 1 | 197 | 0.2 | 0.14 | 0.1 | 10.3 | 33 | 20.8 | 3.60 | 7 | 0.02 | 0.09 | 7 | 0.59 | 364 | 1.0 |
| 1160075 | Soil | 5.7 | <0.1 | 1.01 | 4.7 | <1 | 118 | <0.1 | 0.07 | 0.4 | 9.0 | 11 | 18.8 | 5.67 | 3 | 0.02 | 0.07 | 6 | 0.11 | 1894 | 2.0 |
| 1160053 | Soil | <0.5 | <0.1 | 2.60 | 6.9 | <1 | 181 | 0.1 | 0.14 | 0.1 | 13.4 | 25 | 54.6 | 4.23 | 8 | 0.02 | 0.09 | 5 | 0.67 | 492 | 0.7 |
| 1160054 | Soil | <0.5 | <0.1 | 1.12 | 2.3 | <1 | 160 | 0.2 | 0.38 | <0.1 | 12.1 | 9 | 42.5 | 2.79 | 4 | 0.02 | 0.12 | 8 | 0.42 | 427 | 0.8 |
| 1160057 | Soil | 1.3 | <0.1 | 1.48 | 5.6 | <1 | 257 | 0.1 | 0.32 | <0.1 | 9.4 | 25 | 22.1 | 2.78 | 6 | 0.02 | 0.06 | 15 | 0.61 | 385 | 0.6 |
| 1160086 | Soil | 3.9 | <0.1 | 1.65 | 4.8 | 2 | 302 | 0.1 | 0.17 | 0.1 | 6.9 | 19 | 24.8 | 3.02 | 6 | 0.01 | 0.11 | 10 | 0.49 | 458 | 0.9 |
| 1160055 | Soil | <0.5 | <0.1 | 1.24 | 2.3 | <1 | 174 | 0.2 | 0.40 | <0.1 | 12.7 | 10 | 48.1 | 2.92 | 5 | 0.02 | 0.13 | 8 | 0.44 | 471 | 1.1 |
| 1160072 | Soil | 1.9 | <0.1 | 1.57 | 4.8 | <1 | 219 | 0.1 | 0.25 | <0.1 | 10.1 | 18 | 23.4 | 3.30 | 7 | 0.02 | 0.23 | 6 | 0.61 | 697 | 1.2 |
| 1160056 | Soil | <0.5 | <0.1 | 1.78 | 6.1 | 1 | 171 | 0.1 | 0.19 | 0.1 | 9.0 | 24 | 19.3 | 2.69 | 6 | 0.03 | 0.09 | 8 | 0.50 | 369 | 0.7 |
| 1160058 | Soil | 3.3 | <0.1 | 1.72 | 6.4 | <1 | 397 | 0.2 | 0.32 | 0.1 | 9.8 | 32 | 24.0 | 2.85 | 6 | 0.03 | 0.08 | 20 | 0.54 | 401 | 0.6 |
| 1160059 | Soil | <0.5 | <0.1 | 1.79 | 4.1 | <1 | 254 | 0.3 | 0.31 | <0.1 | 9.5 | 49 | 22.5 | 3.29 | 7 | 0.02 | 0.33 | 23 | 0.77 | 446 | 0.4 |
| 1160061 | Soil | 4.6 | <0.1 | 2.06 | 10.5 | 1 | 222 | 0.2 | 0.16 | <0.1 | 5.8 | 29 | 15.2 | 2.87 | 6 | 0.05 | 0.04 | 16 | 0.42 | 156 | 1.2 |
| 1160074 | Soil | 679.2 | <0.1 | 1.88 | 3.7 | 1 | 188 | <0.1 | 0.38 | <0.1 | 14.5 | 13 | 39.6 | 3.89 | 7 | 0.01 | 0.22 | 4 | 0.77 | 668 | 0.7 |
| 1160077 | Soil | <0.5 | <0.1 | 1.62 | 5.4 | <1 | 235 | 0.2 | 0.23 | 0.3 | 8.7 | 23 | 19.5 | 2.80 | 6 | 0.03 | 0.11 | 8 | 0.50 | 460 | 0.9 |
| 1160060 | Soil | <0.5 | 0.1 | 1.38 | 6.5 | <1 | 372 | 0.2 | 0.23 | 0.2 | 6.4 | 23 | 14.4 | 2.37 | 6 | 0.03 | 0.06 | 19 | 0.39 | 318 | 1.0 |
| 1160651 | Soil | 6.1 | <0.1 | 1.35 | 5.6 | 1 | 211 | 0.1 | 0.48 | <0.1 | 9.2 | 24 | 18.8 | 2.16 | 4 | 0.03 | 0.05 | 10 | 0.50 | 371 | 0.7 |
| 1160653 | Soil | 0.6 | <0.1 | 1.35 | 6.0 | 1 | 176 | 0.1 | 0.36 | 0.2 | 7.0 | 21 | 15.9 | 2.03 | 5 | 0.03 | 0.06 | 8 | 0.49 | 225 | 0.7 |
| 1160655 | Soil | <0.5 | <0.1 | 1.38 | 5.5 | 1 | 198 | 0.1 | 0.50 | 0.1 | 9.7 | 25 | 20.1 | 2.25 | 4 | 0.05 | 0.05 | 9 | 0.51 | 320 | 0.7 |
| 1160654 | Soil | <0.5 | 0.1 | 1.53 | 6.1 | 1 | 221 | 0.1 | 0.46 | 0.2 | 9.6 | 25 | 19.8 | 2.27 | 5 | 0.03 | 0.05 | 10 | 0.52 | 298 | 0.8 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

**Client:** **Kinross Gold Corporation**
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8 Canada

Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000126.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1160063 | Soil | 0.012 | 23.2 | 0.022 | 28.0 | <0.05 | 1.1 | 12.8 | 0.7 | 29 | <0.2 | 4.7 | 0.071 | 0.1 | 0.9 | 83 | 0.1 | 85 |
| 1160064 | Soil | 0.015 | 22.0 | 0.049 | 18.0 | <0.05 | 0.3 | 5.9 | <0.5 | 22 | <0.2 | 2.5 | 0.125 | 0.2 | 0.7 | 94 | 0.1 | 171 |
| 1160069 | Soil | 0.013 | 17.9 | 0.027 | 20.6 | <0.05 | 0.4 | 7.0 | <0.5 | 27 | <0.2 | 6.9 | 0.061 | <0.1 | 1.2 | 61 | 0.1 | 61 |
| 1160065 | Soil | 0.018 | 17.7 | 0.039 | 23.9 | <0.05 | 0.3 | 4.5 | <0.5 | 16 | <0.2 | 2.0 | 0.093 | 0.1 | 0.4 | 75 | 0.1 | 101 |
| 1160068 | Soil | 0.018 | 22.4 | 0.024 | 14.7 | <0.05 | 0.4 | 7.9 | 1.0 | 26 | <0.2 | 6.2 | 0.071 | <0.1 | 1.0 | 64 | 0.1 | 63 |
| 1160067 | Soil | 0.005 | 5.9 | 0.030 | 17.8 | <0.05 | 0.4 | 4.2 | <0.5 | 13 | 0.3 | 2.6 | 0.004 | <0.1 | 0.5 | 32 | 0.1 | 69 |
| 1160070 | Soil | 0.010 | 15.3 | 0.038 | 13.7 | <0.05 | 0.3 | 5.0 | 1.1 | 20 | <0.2 | 7.0 | 0.092 | <0.1 | 1.2 | 51 | <0.1 | 65 |
| 1160071 | Soil | 0.011 | 11.9 | 0.070 | 35.2 | <0.05 | 0.2 | 3.8 | 1.1 | 22 | <0.2 | 3.7 | 0.078 | <0.1 | 1.0 | 48 | 0.2 | 61 |
| 1160051 | Soil | 0.014 | 15.2 | 0.019 | 18.2 | <0.05 | 0.4 | 9.9 | 0.9 | 21 | <0.2 | 3.6 | 0.056 | <0.1 | 1.1 | 53 | <0.1 | 177 |
| 1160085 | Soil | 0.009 | 13.5 | 0.024 | 26.9 | <0.05 | 0.3 | 4.5 | 0.7 | 16 | <0.2 | 3.0 | 0.093 | 0.1 | 0.5 | 56 | <0.1 | 76 |
| 1160073 | Soil | 0.011 | 20.9 | 0.052 | 11.2 | <0.05 | 0.3 | 3.3 | 0.8 | 15 | <0.2 | 1.3 | 0.109 | <0.1 | 0.4 | 71 | 0.2 | 87 |
| 1160076 | Soil | 0.009 | 20.0 | 0.035 | 31.0 | <0.05 | 0.5 | 3.7 | 0.7 | 14 | <0.2 | 2.8 | 0.083 | <0.1 | 0.4 | 69 | <0.1 | 80 |
| 1160075 | Soil | 0.003 | 3.6 | 0.072 | 52.3 | <0.05 | 0.3 | 6.3 | 0.7 | 6 | <0.2 | 2.4 | 0.003 | <0.1 | 1.0 | 22 | <0.1 | 492 |
| 1160053 | Soil | 0.008 | 20.7 | 0.032 | 10.3 | <0.05 | 0.3 | 7.5 | 0.5 | 12 | <0.2 | 3.6 | 0.034 | <0.1 | 0.5 | 69 | <0.1 | 109 |
| 1160054 | Soil | 0.006 | 11.7 | 0.052 | 4.4 | <0.05 | 0.2 | 8.2 | 0.6 | 25 | <0.2 | 3.0 | 0.018 | <0.1 | 0.4 | 37 | <0.1 | 76 |
| 1160057 | Soil | 0.012 | 13.6 | 0.052 | 8.0 | <0.05 | 0.3 | 5.0 | 0.7 | 21 | <0.2 | 3.5 | 0.078 | <0.1 | 0.8 | 50 | 0.1 | 59 |
| 1160086 | Soil | 0.008 | 10.7 | 0.028 | 24.5 | <0.05 | 0.3 | 4.4 | 0.8 | 17 | <0.2 | 2.6 | 0.066 | <0.1 | 0.6 | 45 | <0.1 | 110 |
| 1160055 | Soil | 0.006 | 12.3 | 0.052 | 3.7 | <0.05 | 0.2 | 8.7 | 0.7 | 28 | <0.2 | 3.2 | 0.015 | <0.1 | 0.4 | 37 | <0.1 | 83 |
| 1160072 | Soil | 0.010 | 10.3 | 0.051 | 8.8 | <0.05 | 0.3 | 3.8 | 0.6 | 18 | <0.2 | 1.5 | 0.109 | <0.1 | 0.4 | 50 | 0.1 | 99 |
| 1160056 | Soil | 0.010 | 14.3 | 0.051 | 7.4 | <0.05 | 0.3 | 3.2 | 0.7 | 14 | <0.2 | 2.0 | 0.078 | <0.1 | 0.5 | 53 | 0.1 | 58 |
| 1160058 | Soil | 0.013 | 18.2 | 0.047 | 43.3 | <0.05 | 0.4 | 5.1 | 0.8 | 24 | <0.2 | 6.6 | 0.097 | <0.1 | 1.1 | 55 | 0.1 | 60 |
| 1160059 | Soil | 0.010 | 23.3 | 0.045 | 108.2 | <0.05 | 0.3 | 5.4 | 0.5 | 22 | <0.2 | 8.3 | 0.140 | 0.2 | 1.2 | 45 | <0.1 | 75 |
| 1160061 | Soil | 0.009 | 16.8 | 0.028 | 22.5 | <0.05 | 0.4 | 3.3 | 0.5 | 15 | <0.2 | 4.6 | 0.062 | <0.1 | 0.6 | 64 | 0.1 | 43 |
| 1160074 | Soil | 0.015 | 10.7 | 0.100 | 9.1 | <0.05 | 0.2 | 4.7 | 0.7 | 16 | <0.2 | 1.5 | 0.097 | 0.1 | 0.3 | 64 | <0.1 | 90 |
| 1160077 | Soil | 0.009 | 13.4 | 0.034 | 28.5 | <0.05 | 0.3 | 3.3 | 0.7 | 20 | <0.2 | 2.0 | 0.090 | <0.1 | 0.5 | 53 | <0.1 | 84 |
| 1160060 | Soil | 0.008 | 12.7 | 0.027 | 18.3 | <0.05 | 0.8 | 3.5 | 0.6 | 18 | <0.2 | 3.4 | 0.059 | <0.1 | 0.9 | 55 | 0.1 | 46 |
| 1160651 | Soil | 0.022 | 17.0 | 0.054 | 6.8 | <0.05 | 0.4 | 2.9 | 0.7 | 30 | <0.2 | 2.4 | 0.077 | <0.1 | 0.6 | 51 | 0.1 | 46 |
| 1160653 | Soil | 0.016 | 13.5 | 0.036 | 10.2 | <0.05 | 0.3 | 2.6 | <0.5 | 25 | <0.2 | 1.9 | 0.078 | <0.1 | 0.4 | 52 | 0.2 | 57 |
| 1160655 | Soil | 0.023 | 18.2 | 0.059 | 8.2 | <0.05 | 0.4 | 3.0 | 1.0 | 31 | <0.2 | 2.1 | 0.071 | <0.1 | 0.6 | 55 | 0.2 | 56 |
| 1160654 | Soil | 0.021 | 18.2 | 0.055 | 8.3 | <0.05 | 0.4 | 3.1 | 0.7 | 31 | <0.2 | 2.3 | 0.069 | <0.1 | 0.7 | 53 | 0.1 | 56 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

**Client:** **Kinross Gold Corporation**
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8 Canada

Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000126.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1160748 | Soil | 11.6 | <0.1 | 1.25 | 2.9 | 1 | 120 | 0.2 | 0.19 | <0.1 | 4.7 | 11 | 18.8 | 2.46 | 5 | 0.03 | 0.20 | 9 | 0.34 | 292 | 0.9 |
| 1160749 | Soil | 1.2 | <0.1 | 0.96 | 2.4 | <1 | 113 | 0.1 | 0.16 | <0.1 | 4.6 | 10 | 22.2 | 1.95 | 4 | 0.03 | 0.19 | 6 | 0.30 | 191 | 0.5 |
| 1161040 | Soil | <0.5 | 0.2 | 1.18 | 2.8 | <1 | 259 | 0.1 | 0.15 | 0.2 | 6.2 | 16 | 20.3 | 1.83 | 5 | 0.02 | 0.09 | 7 | 0.33 | 344 | 0.7 |
| 1160652 | Soil | 2.9 | <0.1 | 1.44 | 6.5 | 1 | 204 | 0.1 | 0.44 | 0.1 | 9.4 | 26 | 23.6 | 2.32 | 5 | 0.03 | 0.06 | 10 | 0.52 | 300 | 0.8 |
| 1160744 | Soil | 2.1 | <0.1 | 1.62 | 4.7 | <1 | 271 | 0.1 | 0.34 | 0.1 | 10.4 | 20 | 23.3 | 2.76 | 6 | 0.03 | 0.14 | 9 | 0.58 | 298 | 0.6 |
| 1160656 | Soil | 0.6 | <0.1 | 1.37 | 6.7 | 2 | 184 | 0.1 | 0.54 | 0.1 | 9.5 | 26 | 22.8 | 2.34 | 4 | 0.03 | 0.06 | 10 | 0.58 | 309 | 0.6 |
| 1160740 | Soil | <0.5 | 0.2 | 0.35 | 0.6 | 1 | 72 | <0.1 | 0.11 | 0.2 | 1.2 | 7 | 16.2 | 0.47 | 2 | 0.02 | 0.03 | 4 | 0.04 | 38 | 0.5 |
| 1160742 | Soil | <0.5 | <0.1 | 1.18 | 4.3 | <1 | 194 | 0.1 | 0.20 | <0.1 | 5.3 | 15 | 19.9 | 2.43 | 6 | 0.02 | 0.17 | 7 | 0.38 | 329 | 1.0 |
| 1160750 | Soil | 3.8 | <0.1 | 1.83 | 4.8 | 1 | 204 | 0.1 | 0.30 | <0.1 | 11.8 | 18 | 22.2 | 3.44 | 7 | 0.02 | 0.26 | 5 | 0.67 | 355 | 0.9 |
| 1160741 | Soil | 2.3 | 0.2 | 1.42 | 3.5 | 1 | 154 | 0.1 | 0.17 | 0.1 | 3.4 | 16 | 16.2 | 2.13 | 6 | 0.04 | 0.10 | 10 | 0.37 | 126 | 0.9 |
| 1161037 | Soil | 51.9 | 0.3 | 2.07 | 2.9 | 1 | 429 | 0.1 | 0.93 | 0.3 | 27.4 | 19 | 59.2 | 5.16 | 7 | 0.11 | 0.36 | 8 | 1.19 | 1148 | 0.7 |
| 1161034 | Soil | 3.3 | <0.1 | 1.86 | 4.4 | 1 | 182 | 0.2 | 0.17 | <0.1 | 6.9 | 24 | 17.3 | 3.03 | 8 | 0.02 | 0.14 | 10 | 0.65 | 283 | 0.9 |
| 1161031 | Soil | 6.6 | 0.1 | 1.91 | 7.2 | 2 | 514 | 0.2 | 0.25 | 0.1 | 9.8 | 30 | 49.9 | 3.10 | 6 | 0.02 | 0.07 | 10 | 0.51 | 361 | 1.0 |
| 1161033 | Soil | 6.8 | 0.1 | 1.12 | 3.2 | 2 | 214 | 0.2 | 0.11 | 0.2 | 3.1 | 16 | 21.5 | 1.42 | 6 | 0.03 | 0.06 | 10 | 0.20 | 94 | 0.8 |
| 1161036 | Soil | 6.9 | 0.1 | 1.30 | 3.7 | 2 | 148 | 0.2 | 0.21 | 0.1 | 6.2 | 20 | 16.2 | 2.12 | 5 | 0.04 | 0.05 | 8 | 0.43 | 190 | 0.7 |
| 1161029 | Soil | 11.1 | 0.1 | 1.56 | 4.5 | 2 | 364 | 0.1 | 0.40 | 0.2 | 17.3 | 27 | 29.3 | 3.86 | 5 | 0.02 | 0.14 | 12 | 0.59 | 571 | 1.1 |
| 1161035 | Soil | 12.0 | <0.1 | 1.70 | 5.9 | 1 | 172 | 0.2 | 0.18 | 0.2 | 8.3 | 25 | 21.5 | 2.69 | 5 | 0.04 | 0.06 | 10 | 0.44 | 297 | 0.7 |
| 1161030 | Soil | 2.7 | <0.1 | 1.84 | 6.1 | 2 | 306 | 0.2 | 0.41 | <0.1 | 12.5 | 32 | 23.7 | 3.13 | 6 | 0.02 | 0.06 | 15 | 0.70 | 385 | 0.8 |
| 1161032 | Soil | 3.7 | 0.2 | 1.86 | 6.6 | 2 | 594 | 0.5 | 0.22 | 0.1 | 7.2 | 28 | 25.3 | 2.77 | 7 | 0.03 | 0.07 | 13 | 0.44 | 261 | 0.9 |
| 1160739 | Soil | 4.9 | 0.1 | 1.90 | 5.1 | 2 | 436 | 0.1 | 0.44 | 0.1 | 15.5 | 24 | 40.4 | 3.35 | 6 | 0.04 | 0.21 | 10 | 0.68 | 482 | 1.1 |
| 1161038 | Soil | 3.0 | <0.1 | 2.36 | 4.3 | 2 | 319 | <0.1 | 0.41 | <0.1 | 19.0 | 17 | 39.6 | 4.81 | 9 | <0.01 | 0.58 | 2 | 1.25 | 507 | 0.8 |
| 1160746 | Soil | 5.1 | <0.1 | 1.62 | 4.1 | 1 | 230 | 0.2 | 0.31 | 0.2 | 8.6 | 18 | 31.6 | 2.98 | 6 | 0.03 | 0.21 | 11 | 0.52 | 402 | 0.8 |
| 1160743 | Soil | 2.4 | 0.1 | 1.69 | 4.9 | 1 | 265 | 0.1 | 0.34 | 0.1 | 11.1 | 22 | 26.8 | 3.06 | 6 | 0.02 | 0.15 | 9 | 0.63 | 360 | 0.9 |
| 1160745 | Soil | 2.6 | <0.1 | 1.69 | 5.0 | 1 | 276 | 0.1 | 0.34 | 0.1 | 11.9 | 23 | 25.2 | 3.05 | 6 | 0.03 | 0.16 | 9 | 0.60 | 323 | 0.7 |
| 1161039 | Soil | 2.6 | 0.1 | 1.33 | 4.1 | <1 | 174 | 0.1 | 0.21 | 0.2 | 8.7 | 17 | 25.1 | 2.45 | 7 | 0.01 | 0.14 | 5 | 0.50 | 252 | 0.9 |
| 1160747 | Soil | 1.3 | 0.1 | 1.40 | 3.3 | 2 | 145 | 0.1 | 0.16 | <0.1 | 4.0 | 16 | 20.1 | 2.32 | 6 | 0.05 | 0.13 | 10 | 0.39 | 174 | 1.2 |
| 1160829 | Soil | 1.5 | <0.1 | 1.86 | 3.9 | 1 | 327 | <0.1 | 0.44 | <0.1 | 13.7 | 27 | 53.4 | 3.45 | 6 | <0.01 | 0.19 | 12 | 1.03 | 396 | 0.7 |
| 1160826 | Soil | 2.9 | <0.1 | 1.78 | 4.9 | 2 | 259 | 1.1 | 0.21 | 0.2 | 8.5 | 22 | 23.9 | 3.49 | 6 | 0.01 | 0.18 | 8 | 0.50 | 394 | 1.0 |
| 1160827 | Soil | 4.0 | <0.1 | 1.64 | 3.8 | 1 | 223 | 0.1 | 0.34 | 0.1 | 11.8 | 38 | 35.6 | 2.86 | 6 | <0.01 | 0.10 | 9 | 0.72 | 383 | 0.7 |
| 1160828 | Soil | 1.9 | <0.1 | 1.86 | 3.8 | <1 | 365 | 0.1 | 0.49 | <0.1 | 14.3 | 25 | 79.3 | 3.53 | 7 | <0.01 | 0.23 | 12 | 1.05 | 426 | 1.0 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

**Client:** **Kinross Gold Corporation**
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8 Canada

Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000126.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1160748 | Soil | 0.011 | 5.6 | 0.049 | 23.8 | <0.05 | 0.1 | 3.7 | 0.8 | 13 | <0.2 | 1.5 | 0.090 | <0.1 | 0.6 | 37 | 0.1 | 104 |
| 1160749 | Soil | 0.013 | 5.5 | 0.025 | 18.7 | <0.05 | 0.2 | 3.5 | <0.5 | 14 | <0.2 | 1.4 | 0.088 | <0.1 | 0.5 | 32 | 0.1 | 73 |
| 1161040 | Soil | 0.013 | 9.4 | 0.044 | 12.1 | <0.05 | 0.1 | 3.1 | <0.5 | 16 | <0.2 | 0.8 | 0.070 | <0.1 | 0.5 | 37 | <0.1 | 55 |
| 1160652 | Soil | 0.022 | 17.5 | 0.053 | 10.3 | <0.05 | 0.4 | 3.1 | <0.5 | 30 | <0.2 | 2.4 | 0.079 | <0.1 | 0.6 | 55 | 0.2 | 62 |
| 1160744 | Soil | 0.016 | 12.1 | 0.053 | 12.5 | <0.05 | 0.2 | 3.9 | 0.6 | 23 | <0.2 | 2.1 | 0.111 | <0.1 | 0.8 | 61 | <0.1 | 71 |
| 1160656 | Soil | 0.030 | 19.9 | 0.063 | 6.9 | <0.05 | 0.4 | 3.3 | <0.5 | 33 | <0.2 | 2.8 | 0.087 | <0.1 | 0.5 | 57 | 0.2 | 53 |
| 1160740 | Soil | 0.012 | 3.8 | 0.020 | 4.9 | <0.05 | <0.1 | 0.7 | 0.5 | 13 | <0.2 | <0.1 | 0.014 | <0.1 | 0.3 | 12 | <0.1 | 16 |
| 1160742 | Soil | 0.012 | 9.3 | 0.044 | 19.8 | <0.05 | 0.2 | 3.1 | <0.5 | 18 | <0.2 | 0.9 | 0.089 | <0.1 | 0.4 | 45 | <0.1 | 71 |
| 1160750 | Soil | 0.019 | 10.8 | 0.055 | 20.6 | <0.05 | 0.2 | 4.0 | <0.5 | 19 | <0.2 | 1.5 | 0.138 | 0.1 | 0.5 | 73 | <0.1 | 90 |
| 1160741 | Soil | 0.013 | 8.2 | 0.031 | 11.7 | <0.05 | 0.1 | 3.7 | <0.5 | 19 | <0.2 | 1.4 | 0.056 | <0.1 | 0.6 | 33 | 0.1 | 77 |
| 1161037 | Soil | 0.033 | 17.4 | 0.054 | 26.6 | <0.05 | 0.2 | 14.0 | 0.6 | 33 | <0.2 | 1.0 | 0.078 | 0.1 | 0.6 | 124 | 0.1 | 134 |
| 1161034 | Soil | 0.012 | 12.8 | 0.030 | 16.3 | <0.05 | 0.2 | 4.1 | 0.5 | 14 | <0.2 | 2.6 | 0.103 | <0.1 | 0.4 | 50 | 0.1 | 97 |
| 1161031 | Soil | 0.010 | 16.8 | 0.031 | 16.2 | <0.05 | 0.4 | 4.3 | <0.5 | 20 | <0.2 | 2.9 | 0.093 | <0.1 | 0.6 | 66 | 0.1 | 89 |
| 1161033 | Soil | 0.011 | 7.3 | 0.025 | 22.4 | <0.05 | 0.2 | 2.3 | <0.5 | 12 | <0.2 | 0.8 | 0.069 | <0.1 | 0.7 | 32 | <0.1 | 37 |
| 1161036 | Soil | 0.012 | 11.4 | 0.050 | 18.1 | <0.05 | 0.2 | 2.8 | <0.5 | 15 | <0.2 | 1.3 | 0.072 | <0.1 | 0.6 | 49 | 0.2 | 62 |
| 1161029 | Soil | 0.011 | 16.1 | 0.039 | 10.0 | <0.05 | 0.3 | 6.7 | 0.8 | 19 | <0.2 | 3.1 | 0.063 | <0.1 | 0.8 | 77 | 0.1 | 72 |
| 1161035 | Soil | 0.011 | 14.2 | 0.047 | 21.3 | <0.05 | 0.3 | 3.4 | 0.5 | 13 | <0.2 | 1.9 | 0.072 | <0.1 | 0.7 | 52 | 0.1 | 70 |
| 1161030 | Soil | 0.017 | 20.7 | 0.051 | 13.9 | <0.05 | 0.3 | 6.1 | <0.5 | 21 | <0.2 | 3.8 | 0.082 | <0.1 | 1.0 | 73 | 0.2 | 58 |
| 1161032 | Soil | 0.010 | 15.3 | 0.039 | 153.1 | <0.05 | 0.3 | 4.3 | <0.5 | 21 | <0.2 | 2.6 | 0.066 | <0.1 | 0.7 | 58 | 0.1 | 67 |
| 1160739 | Soil | 0.017 | 16.0 | 0.071 | 25.6 | <0.05 | 0.2 | 5.0 | <0.5 | 29 | <0.2 | 1.8 | 0.131 | <0.1 | 0.9 | 75 | 0.1 | 84 |
| 1161038 | Soil | 0.020 | 11.0 | 0.055 | 10.3 | <0.05 | 0.4 | 6.0 | 0.5 | 26 | <0.2 | 0.7 | 0.186 | 0.2 | 0.2 | 136 | <0.1 | 92 |
| 1160746 | Soil | 0.014 | 10.2 | 0.046 | 36.5 | <0.05 | 0.2 | 4.6 | <0.5 | 22 | <0.2 | 2.1 | 0.119 | <0.1 | 0.7 | 49 | 0.1 | 95 |
| 1160743 | Soil | 0.016 | 13.2 | 0.048 | 19.5 | <0.05 | 0.3 | 4.2 | <0.5 | 21 | <0.2 | 2.1 | 0.118 | <0.1 | 0.6 | 70 | <0.1 | 82 |
| 1160745 | Soil | 0.015 | 14.1 | 0.058 | 13.6 | <0.05 | 0.3 | 4.2 | <0.5 | 22 | <0.2 | 2.0 | 0.124 | <0.1 | 0.7 | 66 | 0.1 | 74 |
| 1161039 | Soil | 0.015 | 10.4 | 0.029 | 11.2 | <0.05 | 0.2 | 3.3 | <0.5 | 14 | <0.2 | 1.2 | 0.114 | <0.1 | 0.3 | 80 | <0.1 | 63 |
| 1160747 | Soil | 0.011 | 8.5 | 0.035 | 15.0 | <0.05 | 0.2 | 3.7 | <0.5 | 17 | <0.2 | 1.4 | 0.068 | <0.1 | 0.6 | 34 | <0.1 | 86 |
| 1160829 | Soil | 0.019 | 17.0 | 0.062 | 19.4 | <0.05 | 0.2 | 5.7 | <0.5 | 21 | <0.2 | 2.7 | 0.115 | <0.1 | 0.6 | 79 | <0.1 | 61 |
| 1160826 | Soil | 0.009 | 12.4 | 0.058 | 183.4 | <0.05 | 0.3 | 3.8 | <0.5 | 16 | <0.2 | 2.8 | 0.099 | <0.1 | 0.6 | 53 | 0.1 | 89 |
| 1160827 | Soil | 0.019 | 19.6 | 0.041 | 18.1 | <0.05 | 0.2 | 4.7 | <0.5 | 21 | <0.2 | 2.4 | 0.117 | <0.1 | 0.5 | 68 | 0.1 | 79 |
| 1160828 | Soil | 0.020 | 17.6 | 0.074 | 30.6 | <0.05 | 0.2 | 6.4 | <0.5 | 20 | <0.2 | 2.9 | 0.116 | <0.1 | 0.7 | 80 | <0.1 | 64 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

**Client:** **Kinross Gold Corporation**
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8 Canada

Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000126.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| 1160824 | Soil | 8.1 | <0.1 | 1.42 | 3.8 | 1 | 313 | 0.2 | 0.36 | 0.1 | 6.5 | 21 | 15.4 | 2.66 | 6 | 0.02 | 0.14 | 11 | 0.54 | 348 | 1.3 |
| 1160809 | Soil | 19.5 | 0.2 | 1.43 | 4.0 | 3 | 490 | 0.1 | 0.94 | 0.2 | 12.5 | 31 | 38.5 | 2.93 | 5 | 0.07 | 0.14 | 14 | 0.68 | 645 | 0.9 |
| 1160811 | Soil | <0.5 | <0.1 | 1.97 | 3.1 | <1 | 241 | 0.2 | 0.30 | 0.3 | 13.5 | 7 | 71.6 | 4.85 | 10 | 0.01 | 0.33 | 7 | 0.96 | 585 | 0.3 |
| 1160825 | Soil | 39.3 | <0.1 | 1.87 | 5.7 | 2 | 362 | 0.2 | 0.24 | 0.1 | 9.5 | 29 | 25.9 | 2.97 | 6 | 0.02 | 0.10 | 14 | 0.57 | 396 | 0.9 |
| 1160823 | Soil | 7.6 | <0.1 | 1.08 | 3.1 | 2 | 163 | 0.1 | 0.20 | <0.1 | 3.8 | 21 | 12.1 | 1.67 | 4 | 0.04 | 0.04 | 9 | 0.25 | 93 | 0.4 |
| 1160820 | Soil | 3.3 | 0.2 | 2.06 | 6.4 | 1 | 203 | 0.1 | 0.37 | <0.1 | 13.4 | 28 | 58.1 | 3.11 | 7 | 0.01 | 0.07 | 6 | 0.73 | 351 | 0.8 |
| 1160817 | Soil | 1.4 | <0.1 | 1.54 | 4.5 | <1 | 255 | <0.1 | 0.33 | 0.1 | 9.8 | 19 | 27.8 | 2.75 | 6 | <0.01 | 0.12 | 6 | 0.55 | 280 | 0.7 |
| 1160814 | Soil | 1.0 | <0.1 | 1.69 | 2.8 | <1 | 366 | <0.1 | 0.46 | <0.1 | 15.7 | 13 | 40.3 | 3.29 | 6 | <0.01 | 0.44 | 7 | 0.86 | 431 | 0.3 |
| 1160816 | Soil | <0.5 | 0.2 | 1.59 | 5.7 | 2 | 267 | 0.2 | 0.31 | 0.1 | 9.4 | 21 | 15.6 | 2.60 | 6 | 0.03 | 0.17 | 14 | 0.42 | 622 | 0.9 |
| 1160815 | Soil | 1.2 | 0.2 | 1.00 | 3.9 | 2 | 279 | 0.2 | 0.21 | 0.6 | 4.9 | 19 | 11.0 | 1.75 | 6 | 0.02 | 0.08 | 7 | 0.23 | 1269 | 0.9 |
| 1160813 | Soil | 1.2 | <0.1 | 2.42 | 2.0 | <1 | 284 | <0.1 | 0.34 | <0.1 | 21.9 | 10 | 62.2 | 4.60 | 8 | <0.01 | 0.74 | 3 | 1.18 | 467 | 0.3 |
| 1160810 | Soil | 17.4 | 0.1 | 2.41 | 2.4 | 1 | 648 | 0.1 | 0.76 | 0.2 | 26.0 | 174 | 66.0 | 4.23 | 10 | 0.02 | 0.39 | 8 | 2.20 | 945 | 1.1 |
| 1160812 | Soil | 2.1 | <0.1 | 2.39 | 1.7 | <1 | 318 | <0.1 | 0.45 | <0.1 | 23.3 | 7 | 66.8 | 4.72 | 8 | <0.01 | 0.81 | 3 | 1.27 | 514 | 0.2 |
| 1160808 | Soil | 2.6 | 0.1 | 1.27 | 2.6 | <1 | 157 | 0.1 | 0.29 | 0.2 | 5.9 | 37 | 28.0 | 2.21 | 5 | 0.04 | 0.09 | 5 | 0.67 | 191 | 1.2 |
| 1160807 | Soil | 8.0 | 0.2 | 1.33 | 6.7 | 1 | 130 | 0.2 | 0.22 | 0.2 | 4.9 | 24 | 18.7 | 2.94 | 5 | 0.05 | 0.07 | 8 | 0.43 | 147 | 0.9 |
| 1160818 | Soil | 1.3 | <0.1 | 2.46 | 1.5 | <1 | 339 | <0.1 | 0.49 | <0.1 | 21.5 | 10 | 33.6 | 5.15 | 10 | <0.01 | 0.98 | 3 | 1.26 | 674 | 0.4 |
| 1160821 | Soil | 32.4 | 0.2 | 1.97 | 4.7 | 2 | 533 | 0.2 | 1.08 | 0.4 | 19.0 | 61 | 100.4 | 3.67 | 7 | 0.06 | 0.22 | 10 | 1.25 | 881 | 0.8 |
| 1160805 | Soil | 12.1 | <0.1 | 2.14 | 8.9 | 1 | 198 | 0.3 | 0.14 | 0.1 | 9.6 | 31 | 17.6 | 3.42 | 8 | 0.02 | 0.07 | 8 | 0.41 | 422 | 1.5 |
| 1160806 | Soil | 12.3 | 0.1 | 1.66 | 6.0 | 3 | 240 | 0.2 | 0.19 | 0.2 | 8.3 | 23 | 24.8 | 3.07 | 7 | 0.03 | 0.17 | 12 | 0.54 | 569 | 1.0 |
| 1160804 | Soil | 1.7 | 0.1 | 2.09 | 9.1 | 3 | 358 | 0.5 | 0.32 | 0.1 | 11.7 | 30 | 27.6 | 4.00 | 8 | 0.04 | 0.19 | 10 | 0.71 | 493 | 0.8 |
| 1160802 | Soil | 0.7 | <0.1 | 2.47 | 6.1 | 2 | 291 | 0.1 | 0.33 | 0.1 | 15.6 | 21 | 41.0 | 4.78 | 11 | 0.03 | 0.23 | 7 | 1.46 | 854 | 0.9 |
| 1160803 | Soil | 8.1 | <0.1 | 1.81 | 7.9 | 1 | 271 | 0.1 | 0.25 | <0.1 | 9.9 | 32 | 36.0 | 3.00 | 7 | 0.02 | 0.09 | 11 | 0.66 | 448 | 1.0 |
| 1160801 | Soil | 0.9 | <0.1 | 1.86 | 7.9 | 2 | 151 | 0.1 | 0.34 | <0.1 | 13.2 | 31 | 21.5 | 3.31 | 7 | 0.02 | 0.16 | 11 | 0.85 | 547 | 1.3 |
| 1160822 | Soil | 5.5 | 0.1 | 0.88 | 5.2 | 2 | 115 | 0.1 | 0.19 | <0.1 | 3.0 | 14 | 14.3 | 1.62 | 4 | 0.05 | 0.05 | 7 | 0.22 | 88 | 0.5 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

**Client:** **Kinross Gold Corporation**
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8 Canada

Project: TSL
Report Date: August 21, 2011



# CERTIFICATE OF ANALYSIS DAW11000126.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| 1160824 | Soil | 0.012 | 11.5 | 0.041 | 26.0 | <0.05 | 0.3 | 4.3 | <0.5 | 20 | <0.2 | 2.3 | 0.082 | <0.1 | 0.5 | 43 | 0.1 | 95 |
| 1160809 | Soil | 0.017 | 16.8 | 0.054 | 31.3 | <0.05 | 0.3 | 6.6 | <0.5 | 34 | <0.2 | 2.0 | 0.073 | <0.1 | 0.9 | 54 | 0.2 | 99 |
| 1160811 | Soil | 0.037 | 6.0 | 0.020 | 45.4 | <0.05 | 0.1 | 9.0 | <0.5 | 12 | <0.2 | 2.0 | 0.214 | 0.2 | 0.4 | 94 | <0.1 | 219 |
| 1160825 | Soil | 0.013 | 16.3 | 0.041 | 37.7 | <0.05 | 0.4 | 4.6 | <0.5 | 18 | <0.2 | 3.7 | 0.109 | <0.1 | 0.8 | 58 | 0.1 | 79 |
| 1160823 | Soil | 0.010 | 11.2 | 0.043 | 20.3 | <0.05 | 0.2 | 2.5 | <0.5 | 16 | <0.2 | 0.8 | 0.054 | <0.1 | 0.6 | 27 | 0.1 | 43 |
| 1160820 | Soil | 0.016 | 18.7 | 0.020 | 21.4 | <0.05 | 0.4 | 4.4 | <0.5 | 27 | <0.2 | 1.9 | 0.096 | <0.1 | 0.3 | 89 | 0.1 | 64 |
| 1160817 | Soil | 0.019 | 11.5 | 0.053 | 15.5 | <0.05 | 0.2 | 3.5 | <0.5 | 20 | <0.2 | 1.5 | 0.119 | <0.1 | 0.4 | 65 | 0.1 | 64 |
| 1160814 | Soil | 0.029 | 9.5 | 0.092 | 9.2 | <0.05 | 0.2 | 4.7 | <0.5 | 19 | <0.2 | 1.7 | 0.154 | 0.1 | 0.4 | 73 | <0.1 | 78 |
| 1160816 | Soil | 0.011 | 12.4 | 0.053 | 16.2 | <0.05 | 0.3 | 4.9 | <0.5 | 26 | <0.2 | 2.2 | 0.078 | <0.1 | 0.7 | 48 | 0.1 | 87 |
| 1160815 | Soil | 0.012 | 9.6 | 0.110 | 11.3 | <0.05 | 0.2 | 2.1 | <0.5 | 15 | <0.2 | 0.8 | 0.066 | <0.1 | 0.3 | 44 | <0.1 | 83 |
| 1160813 | Soil | 0.027 | 9.4 | 0.061 | 8.1 | <0.05 | 0.1 | 5.9 | <0.5 | 15 | <0.2 | 1.0 | 0.176 | 0.2 | 0.3 | 116 | <0.1 | 104 |
| 1160810 | Soil | 0.023 | 85.4 | 0.104 | 43.0 | <0.05 | 0.1 | 8.4 | <0.5 | 34 | <0.2 | 1.6 | 0.146 | 0.2 | 0.3 | 96 | <0.1 | 153 |
| 1160812 | Soil | 0.040 | 7.2 | 0.077 | 5.2 | <0.05 | 0.1 | 6.1 | <0.5 | 16 | <0.2 | 0.8 | 0.177 | 0.2 | 0.2 | 121 | <0.1 | 97 |
| 1160808 | Soil | 0.016 | 14.0 | 0.049 | 15.9 | <0.05 | 0.1 | 3.2 | <0.5 | 17 | <0.2 | 0.8 | 0.077 | <0.1 | 0.4 | 44 | <0.1 | 93 |
| 1160807 | Soil | 0.011 | 11.4 | 0.053 | 30.4 | <0.05 | 0.1 | 3.1 | 0.7 | 16 | <0.2 | 1.4 | 0.069 | <0.1 | 0.6 | 49 | 0.2 | 94 |
| 1160818 | Soil | 0.024 | 6.9 | 0.123 | 10.8 | <0.05 | 0.1 | 6.1 | <0.5 | 21 | <0.2 | 1.0 | 0.244 | 0.3 | 0.3 | 102 | <0.1 | 139 |
| 1160821 | Soil | 0.031 | 39.4 | 0.077 | 38.8 | <0.05 | 0.4 | 8.2 | <0.5 | 47 | 0.4 | 2.4 | 0.105 | 0.1 | 1.1 | 91 | 0.1 | 158 |
| 1160805 | Soil | 0.009 | 15.3 | 0.047 | 50.0 | <0.05 | 0.4 | 3.7 | <0.5 | 12 | <0.2 | 2.6 | 0.097 | <0.1 | 0.6 | 82 | 0.1 | 72 |
| 1160806 | Soil | 0.011 | 11.4 | 0.045 | 32.7 | 0.05 | 0.2 | 4.4 | <0.5 | 16 | <0.2 | 2.7 | 0.096 | <0.1 | 0.8 | 45 | 0.1 | 110 |
| 1160804 | Soil | 0.011 | 15.7 | 0.086 | 137.4 | <0.05 | 0.4 | 6.2 | <0.5 | 24 | <0.2 | 3.2 | 0.112 | <0.1 | 0.6 | 79 | 0.1 | 106 |
| 1160802 | Soil | 0.013 | 11.0 | 0.088 | 17.3 | <0.05 | 0.3 | 9.6 | <0.5 | 17 | <0.2 | 2.6 | 0.069 | 0.1 | 0.4 | 111 | <0.1 | 67 |
| 1160803 | Soil | 0.014 | 17.9 | 0.024 | 26.8 | <0.05 | 0.3 | 4.7 | <0.5 | 22 | <0.2 | 2.8 | 0.121 | <0.1 | 0.5 | 66 | 0.1 | 88 |
| 1160801 | Soil | 0.010 | 17.1 | 0.053 | 14.6 | <0.05 | 0.4 | 5.2 | <0.5 | 19 | <0.2 | 4.6 | 0.087 | 0.1 | 0.6 | 76 | <0.1 | 62 |
| 1160822 | Soil | 0.013 | 7.2 | 0.052 | 17.6 | <0.05 | 0.1 | 2.4 | <0.5 | 16 | <0.2 | 0.5 | 0.034 | <0.1 | 0.5 | 23 | 0.1 | 42 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

**Client:** **Kinross Gold Corporation**
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8 Canada

Project: TSL
Report Date: August 21, 2011



# QUALITY CONTROL REPORT DAW11000126.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Au | Ag | Al | As | B | Ba | Bi | Ca | Cd | Co | Cr | Cu | Fe | Ga | Hg | K | La | Mg | Mn | Mo |
| | Unit | ppb | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | ppm | % | ppm | ppm |
| | MDL | 0.5 | 0.1 | 0.01 | 0.5 | 1 | 1 | 0.1 | 0.01 | 0.1 | 0.1 | 1 | 0.1 | 0.01 | 1 | 0.01 | 0.01 | 1 | 0.01 | 1 | 0.1 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 1160696 | Soil | 5.2 | 0.1 | 1.84 | 6.6 | 1 | 319 | 0.2 | 0.36 | 0.2 | 10.1 | 34 | 30.3 | 2.97 | 6 | 0.05 | 0.06 | 37 | 0.49 | 361 | 0.9 |
| REP 1160696 | QC | 2.2 | 0.1 | 1.68 | 5.7 | <1 | 294 | 0.2 | 0.33 | 0.2 | 9.0 | 31 | 28.8 | 2.72 | 5 | 0.04 | 0.05 | 34 | 0.46 | 336 | 0.7 |
| 1160689 | Soil | 3.4 | <0.1 | 1.34 | 3.9 | 1 | 271 | 0.1 | 0.26 | <0.1 | 10.6 | 62 | 32.0 | 4.20 | 6 | 0.01 | 0.35 | 40 | 0.49 | 612 | 1.2 |
| REP 1160689 | QC | 10.5 | <0.1 | 1.28 | 4.3 | 2 | 268 | 0.2 | 0.26 | <0.1 | 10.7 | 59 | 32.0 | 4.21 | 6 | 0.01 | 0.34 | 39 | 0.47 | 625 | 1.1 |
| 1160055 | Soil | <0.5 | <0.1 | 1.24 | 2.3 | <1 | 174 | 0.2 | 0.40 | <0.1 | 12.7 | 10 | 48.1 | 2.92 | 5 | 0.02 | 0.13 | 8 | 0.44 | 471 | 1.1 |
| REP 1160055 | QC | 0.7 | <0.1 | 1.25 | 2.3 | <1 | 168 | 0.2 | 0.40 | <0.1 | 12.9 | 10 | 47.7 | 2.91 | 5 | 0.02 | 0.13 | 8 | 0.43 | 468 | 0.8 |
| 1161040 | Soil | <0.5 | 0.2 | 1.18 | 2.8 | <1 | 259 | 0.1 | 0.15 | 0.2 | 6.2 | 16 | 20.3 | 1.83 | 5 | 0.02 | 0.09 | 7 | 0.33 | 344 | 0.7 |
| REP 1161040 | QC | 0.6 | 0.2 | 1.21 | 2.9 | <1 | 259 | 0.1 | 0.16 | 0.2 | 6.3 | 16 | 20.5 | 1.88 | 5 | 0.03 | 0.10 | 8 | 0.34 | 352 | 0.6 |
| 1160827 | Soil | 4.0 | <0.1 | 1.64 | 3.8 | 1 | 223 | 0.1 | 0.34 | 0.1 | 11.8 | 38 | 35.6 | 2.86 | 6 | <0.01 | 0.10 | 9 | 0.72 | 383 | 0.7 |
| REP 1160827 | QC | 2.0 | <0.1 | 1.66 | 3.8 | 2 | 226 | 0.1 | 0.33 | <0.1 | 11.9 | 39 | 35.3 | 2.87 | 6 | 0.02 | 0.11 | 10 | 0.73 | 391 | 0.8 |
| 1160821 | Soil | 32.4 | 0.2 | 1.97 | 4.7 | 2 | 533 | 0.2 | 1.08 | 0.4 | 19.0 | 61 | 100.4 | 3.67 | 7 | 0.06 | 0.22 | 10 | 1.25 | 881 | 0.8 |
| REP 1160821 | QC | 32.6 | 0.2 | 1.92 | 5.0 | 2 | 521 | 0.2 | 1.05 | 0.4 | 18.5 | 61 | 103.3 | 3.72 | 7 | 0.05 | 0.22 | 10 | 1.23 | 867 | 0.7 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 117.8 | 1.7 | 0.91 | 26.9 | 3 | 277 | 6.5 | 0.69 | 2.4 | 7.0 | 111 | 101.0 | 2.43 | 5 | 0.20 | 0.41 | 16 | 0.58 | 608 | 13.0 |
| STD DS8 | Standard | 112.2 | 1.8 | 0.99 | 25.4 | 2 | 291 | 6.5 | 0.71 | 2.4 | 8.3 | 121 | 116.1 | 2.51 | 5 | 0.19 | 0.42 | 15 | 0.61 | 636 | 14.8 |
| STD DS8 | Standard | 136.4 | 1.9 | 0.97 | 28.6 | 3 | 301 | 6.8 | 0.72 | 2.4 | 8.4 | 122 | 119.0 | 2.73 | 5 | 0.21 | 0.44 | 14 | 0.65 | 681 | 13.7 |
| STD DS8 | Standard | 102.6 | 1.8 | 0.89 | 25.5 | 2 | 260 | 6.7 | 0.65 | 2.4 | 7.5 | 111 | 108.3 | 2.37 | 5 | 0.23 | 0.44 | 12 | 0.61 | 592 | 11.7 |
| STD DS8 Expected | | 107 | 1.69 | 0.93 | 26 | 2.6 | 279 | 6.67 | 0.7 | 2.38 | 7.5 | 115 | 110 | 2.46 | 4.7 | 0.192 | 0.41 | 14.6 | 0.6045 | 615 | 13.44 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | 0.8 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |
| BLK | Blank | <0.5 | <0.1 | <0.01 | <0.5 | <1 | <1 | <0.1 | <0.01 | <0.1 | <0.1 | <1 | <0.1 | <0.01 | <1 | <0.01 | <0.01 | <1 | <0.01 | <1 | <0.1 |

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AcmeLabs Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada
Phone (604) 253-3158 Fax (604) 253-1716
www.acmelab.com

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Report Date: August 21, 2011



# QUALITY CONTROL REPORT DAW11000126.1

| | Method | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 | 1DX15 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Analyte | Na | Ni | P | Pb | S | Sb | Sc | Se | Sr | Te | Th | Ti | Tl | U | V | W | Zn |
| | Unit | % | ppm | % | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.001 | 0.1 | 0.001 | 0.1 | 0.05 | 0.1 | 0.1 | 0.5 | 1 | 0.2 | 0.1 | 0.001 | 0.1 | 0.1 | 2 | 0.1 | 1 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | |
| 1160696 | Soil | 0.017 | 25.0 | 0.057 | 12.6 | <0.05 | 0.5 | 5.8 | 1.0 | 26 | <0.2 | 6.9 | 0.081 | <0.1 | 2.0 | 56 | 0.2 | 70 |
| REP 1160696 | QC | 0.015 | 22.1 | 0.054 | 11.8 | <0.05 | 0.5 | 5.2 | 0.9 | 24 | <0.2 | 6.5 | 0.078 | <0.1 | 1.9 | 54 | 0.2 | 65 |
| 1160689 | Soil | 0.010 | 63.7 | 0.069 | 13.8 | <0.05 | 0.3 | 10.6 | 0.8 | 16 | <0.2 | 14.8 | 0.062 | 0.1 | 2.9 | 42 | <0.1 | 90 |
| REP 1160689 | QC | 0.008 | 63.4 | 0.064 | 13.4 | <0.05 | 0.3 | 9.4 | 0.5 | 16 | <0.2 | 14.0 | 0.059 | 0.1 | 2.8 | 42 | <0.1 | 89 |
| 1160055 | Soil | 0.006 | 12.3 | 0.052 | 3.7 | <0.05 | 0.2 | 8.7 | 0.7 | 28 | <0.2 | 3.2 | 0.015 | <0.1 | 0.4 | 37 | <0.1 | 83 |
| REP 1160055 | QC | 0.006 | 12.5 | 0.051 | 3.9 | <0.05 | 0.2 | 8.9 | <0.5 | 28 | <0.2 | 3.2 | 0.016 | <0.1 | 0.4 | 39 | <0.1 | 79 |
| 1161040 | Soil | 0.013 | 9.4 | 0.044 | 12.1 | <0.05 | 0.1 | 3.1 | <0.5 | 16 | <0.2 | 0.8 | 0.070 | <0.1 | 0.5 | 37 | <0.1 | 55 |
| REP 1161040 | QC | 0.014 | 9.3 | 0.046 | 11.5 | <0.05 | 0.2 | 3.0 | 0.6 | 16 | <0.2 | 0.8 | 0.069 | <0.1 | 0.5 | 37 | <0.1 | 56 |
| 1160827 | Soil | 0.019 | 19.6 | 0.041 | 18.1 | <0.05 | 0.2 | 4.7 | <0.5 | 21 | <0.2 | 2.4 | 0.117 | <0.1 | 0.5 | 68 | 0.1 | 79 |
| REP 1160827 | QC | 0.017 | 19.8 | 0.041 | 19.4 | <0.05 | 0.3 | 4.6 | <0.5 | 22 | <0.2 | 2.4 | 0.117 | <0.1 | 0.5 | 69 | <0.1 | 77 |
| 1160821 | Soil | 0.031 | 39.4 | 0.077 | 38.8 | <0.05 | 0.4 | 8.2 | <0.5 | 47 | 0.4 | 2.4 | 0.105 | 0.1 | 1.1 | 91 | 0.1 | 158 |
| REP 1160821 | QC | 0.027 | 39.6 | 0.075 | 39.4 | <0.05 | 0.4 | 8.3 | 0.5 | 46 | 0.3 | 2.4 | 0.107 | 0.1 | 1.0 | 91 | 0.1 | 159 |
| Reference Materials | | | | | | | | | | | | | | | | | | |
| STD DS8 | Standard | 0.094 | 35.4 | 0.074 | 123.2 | 0.12 | 5.5 | 2.5 | 5.5 | 69 | 4.6 | 7.0 | 0.114 | 5.3 | 2.6 | 39 | 2.8 | 299 |
| STD DS8 | Standard | 0.096 | 40.9 | 0.084 | 128.9 | 0.14 | 5.6 | 2.5 | 4.9 | 66 | 5.1 | 7.0 | 0.123 | 5.6 | 2.8 | 44 | 3.1 | 318 |
| STD DS8 | Standard | 0.099 | 41.8 | 0.087 | 127.1 | 0.14 | 6.0 | 2.3 | 5.3 | 70 | 5.5 | 6.5 | 0.116 | 5.6 | 2.8 | 44 | 3.3 | 339 |
| STD DS8 | Standard | 0.091 | 36.9 | 0.081 | 128.2 | 0.14 | 4.9 | 2.5 | 5.0 | 63 | 5.0 | 6.4 | 0.106 | 5.5 | 2.7 | 41 | 2.9 | 310 |
| STD DS8 Expected | | 0.0883 | 38.1 | 0.08 | 123 | 0.1679 | 5.7 | 2.3 | 5.23 | 67.7 | 5 | 6.89 | 0.113 | 5.4 | 2.8 | 41.1 | 3 | 312 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |
| BLK | Blank | <0.001 | <0.1 | <0.001 | <0.1 | <0.05 | <0.1 | <0.1 | <0.5 | <1 | <0.2 | <0.1 | <0.001 | <0.1 | <0.1 | <2 | <0.1 | <1 |

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.