



BUREAU VERITAS MINERAL LABORATORIES
Canada

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Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada

PHONE (604) 253-3158

Client: **Fireweed Zinc Ltd.**
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6 Canada

Submitted By: Confirmation & Email Distribution List
Receiving Lab: Canada-Whitehorse
Received: August 23, 2018
Report Date: October 09, 2018
Page: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000728.1

CLIENT JOB INFORMATION

Project: MacMillan Pass
Shipment ID: FWZ-18-018
P.O. Number
Number of Samples: 48

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT Store After 60 days Invoice for Storage

Bureau Veritas 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

| Procedure Code | Number of Samples | Code Description | Test Wgt (g) | Report Status | Lab |
|----------------|-------------------|---|--------------|---------------|-----|
| PRP70-500 | 47 | Crush, split and pulverize 500g rock to 200 mesh | | | WHI |
| CRUBW | 47 | Extra clean rock wash between samples in crusher | | | WHI |
| PULSW | 47 | Extra Wash with Silica between each sample | | | WHI |
| SLBHP | 1 | Sort, label and box pulps | | | WHI |
| FA330 | 47 | Fire assay fusion Au Pt Pd by ICP-ES | 30 | Completed | VAN |
| EN002 | 48 | Environmental disposal charge-Fire assay lead waste | | | VAN |
| AQ270 | 48 | 1:1:1 Aqua Regia digestion ICP-ES/ICP-MS analysis | 1 | Completed | VAN |
| LF725 | 48 | Li2B4O7/LiBO2 fusion, analysis by XRF | | Completed | VAN |
| TC006 | 48 | 15% HClO4 leach, CO2 analysis by Leco | 0.2 | Completed | VAN |
| TC003 | 48 | Analysis by Leco | 0.1 | Completed | VAN |
| SHP01 | 48 | Per sample shipping charges for branch shipments | | | VAN |

ADDITIONAL COMMENTS

Invoice To: Fireweed Zinc Ltd.
Suite 1020, 800 Pender Street
Vancouver British Columbia V5C 2V6
Canada

CC:



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. Bureau Veritas 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.



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Project: MacMillan Pass

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Page: 2 of 3

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000728.1

| Method Analyte Unit MDL | | WGHT | FA330 | FA330 | FA330 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 |
|----------------------------------|------------|------|-------|-------|-------|-------|-------|---------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Wgt | Au | Pt | Pd | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Th | Sr | Cd | Sb | Bi |
| | | kg | ppb | ppb | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.01 | 2 | 3 | 2 | 0.5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 | 5 | 0.01 | 5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 |
| 3207001 | Drill Core | 2.91 | 4 | <3 | <2 | <0.5 | 32.4 | 3.7 | 11423 | <0.5 | 7.9 | 2.2 | 731 | 1.15 | 10 | 0.7 | <0.5 | 2137 | 80.2 | 3.1 | <0.5 |
| 3207002 | Drill Core | 6.18 | 9 | 3 | 10 | 19.9 | 49.8 | 59.2 | 463 | 0.7 | 62.7 | 5.1 | 44 | 2.30 | 18 | 2.3 | 3.6 | 38 | 1.1 | 9.5 | <0.5 |
| 3207003 | Drill Core | 4.19 | 11 | <3 | 5 | 20.2 | 58.0 | 63.8 | 990 | 0.8 | 67.7 | 5.3 | 70 | 2.12 | 21 | 2.7 | 3.9 | 51 | 3.1 | 10.1 | <0.5 |
| 3207004 | Drill Core | 4.71 | 10 | <3 | 11 | 17.5 | 78.1 | 57.2 | 2141 | 0.7 | 60.9 | 5.3 | 58 | 2.00 | 20 | 2.5 | 3.7 | 52 | 6.4 | 8.5 | <0.5 |
| 3207005 | Drill Core | 6.51 | 9 | <3 | 10 | 14.2 | 50.2 | 66.0 | 191 | 0.6 | 57.7 | 5.7 | 188 | 2.15 | 17 | 2.9 | 4.1 | 95 | <0.5 | 7.6 | <0.5 |
| 3207006 | Drill Core | 5.45 | 10 | 6 | 6 | 12.4 | 68.9 | 131.0 | 165 | 1.0 | 61.2 | 5.5 | 368 | 5.33 | 21 | 2.6 | 3.0 | 184 | <0.5 | 9.8 | <0.5 |
| 3207007 | Drill Core | 4.01 | 11 | <3 | 5 | 15.5 | 107.7 | 363.5 | 10564 | 1.7 | 60.5 | 4.9 | 129 | 3.56 | 26 | 2.8 | 3.2 | 83 | 9.3 | 12.3 | <0.5 |
| 3207008 | Drill Core | 2.98 | 12 | 7 | 8 | 19.8 | 127.4 | 469.0 | 10360 | 2.0 | 65.5 | 5.4 | 132 | 4.45 | 33 | 3.0 | 2.8 | 187 | 7.8 | 14.2 | <0.5 |
| 3207009 | Drill Core | 3.68 | 14 | 5 | 17 | 19.7 | 101.1 | 379.7 | 7569 | 1.7 | 66.9 | 4.4 | 77 | 3.89 | 30 | 2.6 | 2.9 | 91 | 5.1 | 11.9 | <0.5 |
| 3207010 | Drill Core | 6.17 | 13 | <3 | 9 | 20.0 | 100.5 | 425.6 | 10149 | 1.8 | 64.9 | 5.3 | 73 | 4.16 | 31 | 3.0 | 2.9 | 53 | 5.2 | 12.2 | <0.5 |
| 3207011 | Drill Core | 3.81 | 10 | <3 | 9 | 18.5 | 110.0 | 393.4 | 9379 | 1.7 | 69.6 | 4.5 | 69 | 3.75 | 32 | 2.9 | 3.4 | 40 | 3.3 | 11.4 | <0.5 |
| 3207012 | Drill Core | 4.94 | 12 | <3 | 9 | 18.8 | 76.1 | 474.1 | 19171 | 1.7 | 62.3 | 4.7 | 210 | 3.88 | 28 | 3.2 | 4.1 | 96 | 5.9 | 12.4 | <0.5 |
| 3207013 | Drill Core | 3.70 | 11 | <3 | 12 | 18.6 | 85.8 | 853.2 | 38369 | 1.7 | 68.1 | 4.9 | 121 | 3.53 | 34 | 3.1 | 3.1 | 75 | 10.4 | 11.0 | <0.5 |
| 3207014 | Drill Core | 4.66 | 11 | <3 | 7 | 17.4 | 64.5 | 638.5 | 27027 | 1.4 | 63.2 | 4.8 | 149 | 3.60 | 36 | 3.7 | 3.4 | 124 | 5.0 | 10.3 | <0.5 |
| 3207015 | Drill Core | 3.64 | 9 | 4 | 8 | 12.7 | 40.1 | 490.2 | 22809 | 0.9 | 60.8 | 4.5 | 365 | 2.87 | 59 | 3.0 | 2.6 | 243 | 3.1 | 6.4 | <0.5 |
| 3207016 | Drill Core | 4.58 | 10 | <3 | 6 | 14.8 | 49.8 | 3503.7 | 88738 | 1.7 | 42.9 | 3.1 | 143 | 1.57 | 31 | 3.4 | 2.6 | 510 | 4.6 | 7.7 | <0.5 |
| 3207017 | Drill Core | 3.75 | 14 | 13 | 20 | 16.1 | 51.1 | 1104.4 | 65827 | 1.0 | 54.4 | 4.7 | 121 | 2.17 | 61 | 3.3 | 3.3 | 248 | 5.3 | 4.1 | <0.5 |
| 3207018 | Drill Core | 5.26 | 10 | <3 | 7 | 14.8 | 49.1 | 1049.7 | 76030 | 1.0 | 46.5 | 4.0 | 154 | 1.68 | 32 | 3.5 | 3.2 | 523 | 6.1 | 4.1 | <0.5 |
| 3207019 | Drill Core | 3.55 | 11 | <3 | 9 | 16.5 | 53.5 | 640.9 | 50059 | 1.1 | 60.8 | 5.2 | 118 | 2.24 | 41 | 3.0 | 3.6 | 436 | 3.8 | 5.7 | <0.5 |
| 3207020 | Rock Pulp | 0.04 | I.S. | I.S. | I.S. | 4.2 | 482.6 | 38379.1 | 50069 | 59.0 | 18.0 | 45.4 | 2599 | 7.74 | 162 | 1.6 | 6.7 | 27 | 184.9 | 54.1 | <0.5 |
| 3207021 | Drill Core | 3.33 | 11 | <3 | 3 | 17.5 | 58.7 | 762.1 | 38853 | 1.4 | 69.8 | 5.4 | 86 | 3.47 | 52 | 2.7 | 3.3 | 189 | 3.3 | 7.3 | <0.5 |
| 3207022 | Drill Core | 4.28 | 12 | <3 | 4 | 18.7 | 50.1 | 530.9 | 34420 | 0.9 | 57.6 | 4.6 | 177 | 2.28 | 39 | 3.5 | 3.7 | 305 | 3.1 | 7.1 | <0.5 |
| 3207023 | Drill Core | 4.88 | 10 | <3 | 5 | 17.2 | 45.0 | 1947.8 | 36769 | 1.2 | 56.4 | 4.7 | 103 | 1.90 | 32 | 3.2 | 3.8 | 858 | 3.9 | 6.1 | <0.5 |
| 3207024 | Drill Core | 4.65 | 10 | <3 | 9 | 16.8 | 55.3 | 503.0 | 14104 | 0.9 | 68.4 | 6.0 | 107 | 3.55 | 61 | 3.0 | 3.7 | 198 | 2.7 | 7.8 | <0.5 |
| 3207025 | Drill Core | 5.24 | 10 | <3 | 7 | 15.0 | 46.4 | 762.4 | 34866 | 0.9 | 55.2 | 6.1 | 247 | 3.02 | 41 | 2.9 | 3.9 | 1063 | 11.2 | 6.0 | <0.5 |
| 3207026 | Drill Core | 5.32 | 9 | <3 | 4 | 13.5 | 43.6 | 4662.8 | 32637 | 2.1 | 48.3 | 4.9 | 214 | 2.07 | 26 | 2.5 | 3.2 | 543 | 28.1 | 5.8 | <0.5 |
| 3207027 | Drill Core | 4.53 | 11 | <3 | 6 | 19.3 | 60.1 | 498.2 | 31651 | 1.6 | 68.3 | 6.1 | 151 | 3.07 | 41 | 2.9 | 4.3 | 174 | 23.6 | 6.7 | <0.5 |
| 3207028 | Drill Core | 4.10 | 12 | <3 | 8 | 19.6 | 68.2 | 488.3 | 47311 | 1.7 | 61.1 | 5.5 | 511 | 3.02 | 35 | 3.5 | 3.7 | 536 | 40.4 | 9.2 | <0.5 |
| 3207029 | Drill Core | 2.90 | 10 | 6 | 6 | 18.9 | 54.7 | 277.4 | 16918 | 1.1 | 66.6 | 5.8 | 385 | 3.08 | 31 | 3.7 | 3.2 | 257 | 13.9 | 7.4 | <0.5 |
| 3207030 | Drill Core | 6.25 | 11 | <3 | 4 | 17.6 | 63.1 | 317.6 | 11611 | 1.4 | 68.4 | 5.6 | 511 | 3.16 | 30 | 3.4 | 2.9 | 244 | 8.7 | 8.3 | <0.5 |



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Page:

2 of 3

Part:

2 of 3

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| Method Analyte Unit MDL | | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | LF725 | LF725 |
|----------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | V | Ca | P | La | Cr | Mg | Ba | Ti | Al | Na | K | W | Hg | Sc | Ti | S | Ga | Se | SiO2 | Al2O3 |
| | | ppm | % | % | ppm | ppm | % | ppm | % | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | % |
| | | 10 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 5 | 0.001 | 0.01 | 0.01 | 0.01 | 0.5 | 0.05 | 0.5 | 0.5 | 0.05 | 5 | 2 | 0.01 | 0.01 |
| 3207001 | Drill Core | 21 | 8.50 | 0.437 | 4.3 | 6.5 | 0.83 | 2044 | 0.002 | 0.21 | <0.01 | 0.06 | <0.5 | 4.97 | 1.9 | <0.5 | 1.46 | <5 | <2 | 69.80 | 1.09 |
| 3207002 | Drill Core | 86 | 0.27 | 0.126 | 10.2 | 15.4 | 0.05 | 958 | 0.004 | 0.48 | <0.01 | 0.26 | <0.5 | 0.12 | 2.0 | 1.0 | 2.27 | <5 | 5 | 78.40 | 7.67 |
| 3207003 | Drill Core | 122 | 0.40 | 0.129 | 11.7 | 20.0 | 0.13 | 1596 | 0.006 | 0.61 | <0.01 | 0.30 | <0.5 | 0.16 | 1.4 | 1.3 | 2.09 | <5 | 7 | 76.90 | 8.18 |
| 3207004 | Drill Core | 118 | 0.29 | 0.121 | 12.4 | 19.6 | 0.07 | 1394 | 0.004 | 0.54 | <0.01 | 0.23 | <0.5 | 0.31 | 0.8 | 1.0 | 1.95 | <5 | 8 | 77.40 | 8.08 |
| 3207005 | Drill Core | 119 | 1.02 | 0.122 | 13.4 | 23.6 | 0.39 | 1875 | 0.006 | 1.04 | <0.01 | 0.25 | <0.5 | 0.16 | 2.6 | 1.4 | 1.71 | <5 | 6 | 74.20 | 8.22 |
| 3207006 | Drill Core | 106 | 1.90 | 0.136 | 6.8 | 18.1 | 0.78 | 367 | 0.004 | 0.95 | <0.01 | 0.19 | <0.5 | 0.25 | 3.1 | 5.6 | 5.03 | <5 | 6 | 64.90 | 7.43 |
| 3207007 | Drill Core | 86 | 0.54 | 0.123 | 6.7 | 16.3 | 0.05 | 664 | 0.004 | 1.27 | <0.01 | 0.18 | <0.5 | 0.98 | 1.5 | 17.9 | 3.57 | <5 | 6 | 73.10 | 6.91 |
| 3207008 | Drill Core | 72 | 0.73 | 0.131 | 6.3 | 16.4 | 0.03 | 563 | 0.004 | 1.37 | <0.01 | 0.18 | <0.5 | 1.06 | 2.2 | 27.7 | 4.46 | <5 | 7 | 71.50 | 6.59 |
| 3207009 | Drill Core | 85 | 0.38 | 0.101 | 8.0 | 17.7 | 0.04 | 673 | 0.004 | 1.37 | <0.01 | 0.16 | <0.5 | 0.96 | 1.4 | 26.4 | 3.70 | <5 | 7 | 73.40 | 6.62 |
| 3207010 | Drill Core | 85 | 0.29 | 0.121 | 6.2 | 16.3 | 0.03 | 628 | 0.004 | 1.88 | <0.01 | 0.14 | <0.5 | 1.15 | 1.7 | 28.3 | 3.85 | <5 | 7 | 70.30 | 6.86 |
| 3207011 | Drill Core | 100 | 0.33 | 0.112 | 8.6 | 19.6 | 0.03 | 644 | 0.004 | 2.01 | <0.01 | 0.16 | <0.5 | 0.94 | 2.8 | 28.8 | 3.27 | <5 | 5 | 70.90 | 6.87 |
| 3207012 | Drill Core | 94 | 0.79 | 0.124 | 6.7 | 17.2 | 0.29 | 713 | 0.003 | 2.00 | <0.01 | 0.14 | <0.5 | 1.93 | 3.7 | 27.4 | 3.88 | <5 | 8 | 67.60 | 7.47 |
| 3207013 | Drill Core | 141 | 0.47 | 0.112 | 6.7 | 22.0 | 0.15 | 563 | 0.004 | 1.74 | <0.01 | 0.15 | <0.5 | 3.61 | 2.5 | 15.6 | 4.39 | <5 | 12 | 69.90 | 6.05 |
| 3207014 | Drill Core | 121 | 0.68 | 0.113 | 7.6 | 19.3 | 0.26 | 722 | 0.003 | 2.16 | <0.01 | 0.14 | <0.5 | 2.61 | 3.4 | 18.1 | 3.78 | <5 | 7 | 68.70 | 6.48 |
| 3207015 | Drill Core | 127 | 1.45 | 0.129 | 6.4 | 24.1 | 0.56 | 952 | 0.002 | 1.98 | <0.01 | 0.14 | <0.5 | 2.34 | 5.1 | 10.7 | 2.66 | <5 | 4 | 69.50 | 5.44 |
| 3207016 | Drill Core | 119 | 1.56 | 0.099 | 7.6 | 22.5 | 0.22 | 480 | 0.002 | 2.23 | 0.01 | 0.16 | <0.5 | 7.45 | 2.3 | 7.5 | 4.47 | 5 | 15 | 63.50 | 5.30 |
| 3207017 | Drill Core | 232 | 1.18 | 0.113 | 12.5 | 43.5 | 0.17 | 638 | 0.022 | 2.35 | 0.01 | 0.12 | <0.5 | 4.18 | 3.5 | 9.0 | 3.86 | 6 | 9 | 66.10 | 5.65 |
| 3207018 | Drill Core | 398 | 1.62 | 0.105 | 9.6 | 69.6 | 0.43 | 641 | 0.083 | 2.49 | 0.02 | 0.14 | <0.5 | 3.31 | 5.4 | 7.8 | 3.68 | 10 | 7 | 64.40 | 5.32 |
| 3207019 | Drill Core | 557 | 0.88 | 0.111 | 15.5 | 101.9 | 0.32 | 938 | 0.154 | 3.02 | 0.01 | 0.05 | <0.5 | 2.26 | 7.0 | 14.5 | 2.75 | 9 | 8 | 66.90 | 6.01 |
| 3207020 | Rock Pulp | 11 | 5.10 | 0.060 | 24.3 | 16.0 | 2.73 | 263 | 0.017 | 1.00 | 0.02 | 0.69 | 0.5 | 0.77 | 3.1 | 49.4 | 7.90 | <5 | <2 | 38.40 | 7.68 |
| 3207021 | Drill Core | 590 | 0.35 | 0.116 | 12.8 | 107.7 | 0.07 | 929 | 0.174 | 3.29 | 0.01 | 0.04 | 0.5 | 2.07 | 2.9 | 21.0 | 3.19 | 8 | 7 | 67.00 | 6.58 |
| 3207022 | Drill Core | 558 | 0.93 | 0.054 | 12.4 | 103.2 | 0.23 | 946 | 0.145 | 2.34 | <0.01 | 0.01 | 0.6 | 2.62 | 7.8 | 10.9 | 2.48 | 8 | 5 | 70.10 | 6.42 |
| 3207023 | Drill Core | 565 | 0.82 | 0.111 | 18.4 | 113.1 | 0.18 | 2574 | 0.172 | 3.26 | <0.01 | 0.02 | 0.8 | 2.80 | 7.0 | 7.1 | 1.09 | 9 | 7 | 66.50 | 6.40 |
| 3207024 | Drill Core | 621 | 0.34 | 0.112 | 18.2 | 107.5 | 0.27 | 1512 | 0.182 | 3.54 | <0.01 | 0.03 | 0.8 | 1.52 | 7.4 | 24.9 | 1.70 | 8 | 6 | 67.20 | 6.78 |
| 3207025 | Drill Core | 540 | 0.83 | 0.097 | 20.2 | 93.9 | 0.48 | 1321 | 0.157 | 3.01 | <0.01 | 0.01 | 0.6 | 4.93 | 7.5 | 11.7 | 1.77 | 9 | 6 | 62.10 | 5.77 |
| 3207026 | Drill Core | 453 | 0.78 | 0.078 | 14.6 | 78.0 | 0.36 | 1534 | 0.129 | 2.43 | <0.01 | <0.01 | <0.5 | 9.72 | 8.7 | 5.8 | 1.37 | 8 | 7 | 57.50 | 4.89 |
| 3207027 | Drill Core | 668 | 0.40 | 0.127 | 20.0 | 117.0 | 0.12 | 1174 | 0.192 | 3.63 | 0.01 | 0.05 | 0.5 | 10.77 | 3.0 | 17.5 | 2.27 | 10 | 7 | 68.00 | 6.81 |
| 3207028 | Drill Core | 478 | 1.03 | 0.118 | 12.0 | 82.4 | 0.46 | 739 | 0.098 | 3.21 | 0.02 | 0.14 | <0.5 | 13.64 | 5.6 | 16.8 | 3.19 | 11 | 11 | 64.40 | 6.15 |
| 3207029 | Drill Core | 181 | 0.87 | 0.139 | 10.5 | 33.3 | 0.31 | 1319 | 0.003 | 2.95 | 0.01 | 0.17 | <0.5 | 5.08 | 5.1 | 12.1 | 2.06 | 6 | 8 | 68.50 | 6.64 |
| 3207030 | Drill Core | 130 | 1.12 | 0.135 | 9.6 | 25.1 | 0.41 | 1163 | 0.003 | 2.46 | <0.01 | 0.16 | <0.5 | 2.95 | 4.4 | 11.4 | 2.17 | <5 | 7 | 69.20 | 6.32 |



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Page: 2 of 3

Part: 3 of 3

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| Method Analyte Unit MDL | | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 |
|----------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| | | Fe2O3 | CaO | MgO | K2O | MnO | TiO2 | P2O5 | Cr2O3 | Ba | Cu | Pb | Zn | LOI | SUM_T | TC006 | TC000 | TC000 |
| | | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % |
| | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | -5.11 | 0.01 | 0.02 | 0.02 |
| 3207001 | Drill Core | 1.63 | 11.50 | 1.46 | 0.23 | 0.10 | 0.06 | 0.95 | <0.01 | 0.34 | <0.01 | <0.01 | 1.17 | 8.79 | 97.48 | 8.86 | 3.14 | 1.53 |
| 3207002 | Drill Core | 3.28 | 0.40 | 0.47 | 1.83 | 0.03 | 0.40 | 0.26 | 0.02 | 0.67 | <0.01 | <0.01 | 0.04 | 5.94 | 99.58 | 0.04 | 3.43 | 2.33 |
| 3207003 | Drill Core | 3.03 | 0.56 | 0.60 | 1.93 | 0.03 | 0.42 | 0.28 | 0.02 | 0.93 | <0.01 | <0.01 | 0.10 | 6.31 | 99.52 | 0.18 | 3.66 | 2.13 |
| 3207004 | Drill Core | 2.84 | 0.43 | 0.50 | 1.74 | 0.03 | 0.42 | 0.27 | 0.02 | 0.82 | <0.01 | <0.01 | 0.22 | 5.99 | 98.98 | 0.05 | 3.33 | 2.00 |
| 3207005 | Drill Core | 3.04 | 1.37 | 0.93 | 1.50 | 0.04 | 0.42 | 0.30 | 0.02 | 1.92 | 0.01 | <0.01 | 0.02 | 7.28 | 99.59 | 1.21 | 3.79 | 1.97 |
| 3207006 | Drill Core | 7.43 | 2.52 | 1.62 | 1.33 | 0.06 | 0.38 | 0.29 | 0.02 | 2.10 | <0.01 | 0.01 | 0.02 | 10.40 | 98.83 | 2.88 | 4.06 | 5.46 |
| 3207007 | Drill Core | 4.90 | 0.73 | 0.37 | 1.19 | 0.04 | 0.35 | 0.28 | 0.01 | 2.72 | <0.01 | 0.04 | 1.04 | 7.04 | 99.35 | 0.28 | 3.41 | 4.24 |
| 3207008 | Drill Core | 5.96 | 0.95 | 0.31 | 1.06 | 0.04 | 0.33 | 0.29 | 0.01 | 3.05 | <0.01 | 0.04 | 1.00 | 7.53 | 99.40 | 0.41 | 3.29 | 5.15 |
| 3207009 | Drill Core | 5.26 | 0.53 | 0.32 | 1.07 | 0.03 | 0.33 | 0.23 | 0.02 | 3.07 | <0.01 | 0.04 | 0.75 | 7.16 | 99.43 | 0.18 | 3.45 | 4.32 |
| 3207010 | Drill Core | 5.66 | 0.45 | 0.27 | 0.92 | 0.03 | 0.36 | 0.26 | 0.01 | 4.89 | <0.01 | 0.05 | 1.00 | 7.45 | 99.37 | 0.05 | 3.25 | 5.04 |
| 3207011 | Drill Core | 5.04 | 0.42 | 0.25 | 0.87 | 0.03 | 0.35 | 0.27 | 0.02 | 5.31 | <0.01 | 0.04 | 0.92 | 7.28 | 99.46 | 0.07 | 3.23 | 4.41 |
| 3207012 | Drill Core | 5.29 | 1.06 | 0.69 | 0.95 | 0.04 | 0.35 | 0.28 | 0.01 | 4.75 | <0.01 | 0.06 | 1.91 | 7.95 | 99.47 | 0.70 | 3.26 | 5.04 |
| 3207013 | Drill Core | 4.83 | 0.66 | 0.41 | 0.76 | 0.04 | 0.32 | 0.26 | 0.01 | 3.82 | <0.01 | 0.09 | 3.78 | 7.67 | 100.01 | 0.38 | 3.34 | 5.43 |
| 3207014 | Drill Core | 4.92 | 0.92 | 0.57 | 0.72 | 0.04 | 0.34 | 0.27 | 0.01 | 5.00 | <0.01 | 0.07 | 2.67 | 7.85 | 99.83 | 0.73 | 3.53 | 5.10 |
| 3207015 | Drill Core | 4.00 | 1.94 | 1.03 | 0.56 | 0.06 | 0.29 | 0.29 | 0.02 | 4.86 | <0.01 | 0.06 | 2.31 | 7.81 | 99.31 | 2.03 | 3.63 | 3.91 |
| 3207016 | Drill Core | 2.17 | 2.08 | 0.42 | 0.45 | 0.04 | 0.29 | 0.22 | 0.01 | 5.08 | <0.01 | 0.36 | 8.84 | 7.55 | 99.10 | 1.65 | 3.29 | 5.86 |
| 3207017 | Drill Core | 2.98 | 1.56 | 0.32 | 0.31 | 0.03 | 0.31 | 0.23 | 0.01 | 5.54 | <0.01 | 0.12 | 6.51 | 7.56 | 99.49 | 0.99 | 3.33 | 5.26 |
| 3207018 | Drill Core | 2.27 | 2.16 | 0.68 | 0.22 | 0.04 | 0.30 | 0.24 | 0.01 | 5.92 | <0.01 | 0.12 | 7.58 | 7.45 | 99.27 | 1.92 | 3.36 | 5.24 |
| 3207019 | Drill Core | 3.00 | 1.18 | 0.52 | 0.08 | 0.04 | 0.32 | 0.28 | 0.01 | 7.17 | <0.01 | 0.07 | 4.97 | 6.63 | 99.23 | 1.06 | 3.32 | 4.42 |
| 3207020 | Rock Pulp | 11.00 | 6.95 | 4.82 | 3.56 | 0.30 | 0.25 | 0.12 | <0.01 | 0.08 | 0.04 | 3.59 | 5.04 | 16.16 | 99.67 | 10.02 | 3.28 | 7.95 |
| 3207021 | Drill Core | 4.71 | 0.48 | 0.15 | 0.07 | 0.03 | 0.35 | 0.27 | 0.01 | 7.87 | <0.01 | 0.09 | 3.79 | 6.23 | 99.50 | 0.22 | 2.99 | 5.35 |
| 3207022 | Drill Core | 3.10 | 1.24 | 0.37 | 0.03 | 0.04 | 0.35 | 0.23 | 0.02 | 5.46 | <0.01 | 0.06 | 3.39 | 6.96 | 99.23 | 1.17 | 2.97 | 3.92 |
| 3207023 | Drill Core | 2.56 | 1.10 | 0.30 | 0.05 | 0.03 | 0.34 | 0.26 | 0.02 | 10.04 | <0.01 | 0.20 | 3.64 | 5.46 | 98.97 | 1.48 | 2.69 | 3.63 |
| 3207024 | Drill Core | 4.73 | 0.46 | 0.45 | 0.05 | 0.03 | 0.36 | 0.27 | 0.02 | 10.13 | <0.01 | 0.05 | 1.40 | 5.65 | 99.13 | 0.93 | 2.64 | 3.98 |
| 3207025 | Drill Core | 4.12 | 1.12 | 0.75 | 0.04 | 0.05 | 0.30 | 0.23 | 0.01 | 11.47 | <0.01 | 0.08 | 3.45 | 5.50 | 97.17 | 2.53 | 2.70 | 4.72 |
| 3207026 | Drill Core | 2.88 | 1.04 | 0.59 | 0.04 | 0.05 | 0.25 | 0.22 | 0.01 | 15.68 | <0.01 | 0.50 | 3.29 | 4.92 | 94.53 | 2.07 | 2.40 | 5.25 |
| 3207027 | Drill Core | 4.24 | 0.62 | 0.21 | 0.07 | 0.04 | 0.36 | 0.28 | 0.02 | 8.96 | <0.01 | 0.06 | 3.16 | 5.35 | 100.00 | 0.37 | 2.61 | 4.57 |
| 3207028 | Drill Core | 4.15 | 1.39 | 0.71 | 0.21 | 0.08 | 0.32 | 0.25 | 0.01 | 7.50 | <0.01 | 0.05 | 4.67 | 6.99 | 98.91 | 1.47 | 3.25 | 5.17 |
| 3207029 | Drill Core | 4.30 | 1.19 | 0.57 | 0.48 | 0.06 | 0.36 | 0.29 | 0.02 | 6.87 | <0.01 | 0.03 | 1.70 | 7.51 | 99.78 | 1.07 | 3.85 | 3.84 |
| 3207030 | Drill Core | 4.36 | 1.49 | 0.74 | 0.60 | 0.08 | 0.33 | 0.28 | 0.01 | 5.72 | <0.01 | 0.03 | 1.16 | 8.01 | 99.30 | 1.51 | 4.24 | 3.66 |



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Project: MacMillan Pass

Report Date: October 09, 2018

Page: 3 of 3

Part: 1 of 3

CERTIFICATE OF ANALYSIS

WHI18000728.1

| Method Analyte Unit MDL | | WGHT | FA330 | FA330 | FA330 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 |
|----------------------------------|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Wgt | Au | Pt | Pd | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Th | Sr | Cd | Sb | Bi |
| | | kg | ppb | ppb | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.01 | 2 | 3 | 2 | 0.5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 | 5 | 0.01 | 5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 |
| 3207031 | Drill Core | 5.57 | 11 | <3 | 4 | 20.7 | 69.0 | 240.9 | 7179 | 1.7 | 73.5 | 5.6 | 209 | 3.01 | 31 | 3.7 | 3.0 | 114 | 6.1 | 9.4 | <0.5 |
| 3207032 | Drill Core | 6.59 | 9 | <3 | 5 | 18.0 | 69.0 | 167.1 | 3674 | 1.4 | 67.6 | 4.7 | 1056 | 4.98 | 33 | 3.2 | 2.8 | 276 | 3.2 | 9.3 | <0.5 |
| 3207033 | Drill Core | 5.92 | 10 | <3 | 6 | 19.0 | 79.3 | 199.9 | 1720 | 2.2 | 66.7 | 5.7 | 725 | 5.88 | 32 | 3.1 | 2.7 | 201 | 2.2 | 11.3 | <0.5 |
| 3207034 | Drill Core | 6.33 | 10 | 4 | 9 | 21.4 | 79.6 | 256.4 | 1547 | 2.2 | 68.5 | 4.4 | 337 | 3.91 | 33 | 3.2 | 3.2 | 125 | 1.9 | 12.0 | <0.5 |
| 3207035 | Rock | 1.99 | <2 | <3 | <2 | 0.9 | 11.2 | 2.1 | 40 | <0.5 | 1.8 | 4.5 | 676 | 2.16 | <5 | <0.5 | 1.9 | 29 | <0.5 | <0.5 | <0.5 |
| 3207036 | Drill Core | 6.47 | 10 | <3 | 6 | 15.2 | 50.6 | 127.1 | 348 | 1.2 | 56.0 | 3.5 | 404 | 2.60 | 22 | 2.4 | 3.0 | 151 | 0.5 | 8.4 | <0.5 |
| 3207037 | Drill Core | 6.04 | 7 | <3 | 9 | 13.8 | 37.7 | 74.4 | 265 | 0.9 | 53.8 | 3.6 | 475 | 2.25 | 20 | 2.1 | 3.2 | 161 | <0.5 | 6.9 | <0.5 |
| 3207038 | Drill Core | 5.59 | 8 | <3 | 9 | 15.2 | 38.8 | 99.3 | 1509 | 0.9 | 62.3 | 4.4 | 375 | 2.16 | 21 | 2.8 | 3.6 | 144 | 3.3 | 7.7 | <0.5 |
| 3207039 | Drill Core | 6.37 | 9 | <3 | 4 | 14.0 | 48.7 | 106.4 | 828 | 1.0 | 58.3 | 3.6 | 355 | 2.13 | 20 | 2.4 | 3.6 | 140 | 2.0 | 7.6 | <0.5 |
| 3207040 | Drill Core | 5.85 | 9 | <3 | 7 | 14.0 | 44.1 | 83.4 | 432 | 0.8 | 51.8 | 3.4 | 581 | 1.95 | 17 | 2.7 | 3.2 | 225 | 1.3 | 6.3 | <0.5 |
| 3207041 | Drill Core | 5.74 | 8 | <3 | 10 | 16.2 | 47.2 | 96.5 | 922 | 1.0 | 53.9 | 3.7 | 532 | 1.62 | 20 | 2.6 | 3.5 | 188 | 2.9 | 7.7 | <0.5 |
| 3207042 | Drill Core | 4.43 | 9 | <3 | 11 | 15.4 | 69.0 | 101.0 | 3028 | 1.1 | 61.7 | 3.8 | 490 | 1.89 | 22 | 2.7 | 3.6 | 142 | 9.4 | 8.3 | <0.5 |
| 3207043 | Drill Core | 5.52 | 9 | <3 | 10 | 19.6 | 53.0 | 79.2 | 56 | 1.2 | 71.3 | 5.5 | 116 | 2.11 | 28 | 3.0 | 3.9 | 86 | <0.5 | 10.6 | <0.5 |
| 3207044 | Drill Core | 5.50 | 8 | 6 | 9 | 15.0 | 61.5 | 86.9 | 13 | 1.2 | 58.6 | 4.5 | 623 | 3.26 | 22 | 3.1 | 3.8 | 185 | <0.5 | 10.2 | <0.5 |
| 3207045 | Drill Core | 5.52 | 8 | <3 | 8 | 16.6 | 60.3 | 92.4 | 11 | 1.4 | 58.8 | 4.3 | 1207 | 4.36 | 22 | 3.1 | 2.9 | 204 | <0.5 | 11.1 | <0.5 |
| 3207046 | Drill Core | 5.23 | 8 | <3 | 7 | 16.4 | 42.7 | 55.9 | 11 | 1.2 | 58.0 | 3.9 | 272 | 1.84 | 24 | 3.3 | 3.3 | 99 | <0.5 | 9.7 | <0.5 |
| 3207047 | Drill Core | 4.83 | 9 | <3 | 10 | 18.0 | 45.1 | 71.1 | 17 | 1.3 | 63.0 | 5.0 | 365 | 2.04 | 25 | 3.0 | 3.5 | 111 | <0.5 | 10.1 | <0.5 |
| 3207048 | Drill Core | 3.18 | 11 | <3 | 12 | 16.6 | 44.8 | 97.8 | 19 | 1.6 | 64.4 | 5.2 | 286 | 2.84 | 25 | 2.5 | 3.9 | 87 | <0.5 | 12.2 | <0.5 |



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Project: MacMillan Pass

Report Date: October 09, 2018

Page: 3 of 3

Part: 2 of 3

CERTIFICATE OF ANALYSIS

WHI18000728.1

| | Method Analyte Unit MDL | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | LF725 | LF725 |
|---------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | V | Ca | P | La | Cr | Mg | Ba | Ti | Al | Na | K | W | Hg | Sc | Ti | S | Ga | Se | |
| | | ppm | % | % | ppm | ppm | % | ppm | % | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % |
| | | 10 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 5 | 0.001 | 0.01 | 0.01 | 0.01 | 0.5 | 0.05 | 0.5 | 0.5 | 0.05 | 5 | 2 | 0.01 |
| 3207031 | Drill Core | 122 | 0.58 | 0.136 | 10.2 | 23.9 | 0.16 | 1238 | 0.004 | 2.39 | <0.01 | 0.17 | <0.5 | 1.97 | 3.0 | 9.5 | 2.04 | <5 | 6 | 70.70 |
| 3207032 | Drill Core | 117 | 1.75 | 0.125 | 5.3 | 16.3 | 0.67 | 487 | 0.003 | 2.15 | <0.01 | 0.13 | <0.5 | 0.94 | 4.8 | 4.7 | 3.98 | <5 | 7 | 61.30 |
| 3207033 | Drill Core | 103 | 1.19 | 0.121 | 6.5 | 19.4 | 0.45 | 321 | 0.004 | 1.34 | <0.01 | 0.15 | <0.5 | 0.87 | 3.8 | 3.9 | 6.00 | <5 | 10 | 64.70 |
| 3207034 | Drill Core | 79 | 0.81 | 0.153 | 6.8 | 15.4 | 0.24 | 611 | 0.004 | 1.32 | <0.01 | 0.14 | <0.5 | 0.80 | 2.3 | 2.3 | 3.58 | <5 | 7 | 69.20 |
| 3207035 | Rock | 33 | 0.87 | 0.041 | 5.8 | 3.6 | 0.59 | 85 | 0.112 | 1.20 | 0.11 | 0.11 | <0.5 | <0.05 | 2.9 | <0.5 | <0.05 | <5 | <2 | 69.40 |
| 3207036 | Drill Core | 96 | 0.93 | 0.125 | 7.3 | 16.2 | 0.28 | 1289 | 0.004 | 1.44 | <0.01 | 0.15 | <0.5 | 0.36 | 2.9 | 1.4 | 2.07 | <5 | 7 | 71.40 |
| 3207037 | Drill Core | 82 | 1.20 | 0.139 | 7.1 | 13.7 | 0.36 | 1638 | 0.003 | 1.16 | <0.01 | 0.12 | <0.5 | 0.28 | 1.9 | 1.0 | 1.79 | <5 | 6 | 71.80 |
| 3207038 | Drill Core | 94 | 0.97 | 0.130 | 8.3 | 18.3 | 0.30 | 1911 | 0.004 | 1.16 | <0.01 | 0.18 | <0.5 | 0.48 | 2.3 | 1.1 | 1.78 | <5 | 7 | 72.10 |
| 3207039 | Drill Core | 75 | 0.91 | 0.123 | 6.6 | 12.8 | 0.25 | 1834 | 0.004 | 0.96 | <0.01 | 0.14 | <0.5 | 0.34 | 2.1 | 1.1 | 1.85 | <5 | 8 | 73.70 |
| 3207040 | Drill Core | 96 | 1.42 | 0.114 | 7.4 | 15.8 | 0.44 | 2683 | 0.004 | 0.86 | <0.01 | 0.15 | <0.5 | 0.23 | 1.4 | 0.8 | 1.37 | <5 | 6 | 73.10 |
| 3207041 | Drill Core | 79 | 1.22 | 0.123 | 7.6 | 14.2 | 0.33 | 3521 | 0.003 | 0.79 | <0.01 | 0.14 | <0.5 | 0.33 | 1.7 | 0.8 | 1.32 | <5 | 4 | 74.50 |
| 3207042 | Drill Core | 101 | 1.01 | 0.138 | 4.9 | 18.6 | 0.32 | 1427 | 0.004 | 0.48 | <0.01 | 0.15 | <0.5 | 0.84 | 1.6 | 0.9 | 1.88 | <5 | 6 | 74.60 |
| 3207043 | Drill Core | 83 | 0.44 | 0.141 | 7.6 | 14.8 | 0.07 | 1331 | 0.004 | 0.49 | <0.01 | 0.16 | <0.5 | 0.19 | 1.8 | 1.1 | 2.30 | <5 | 6 | 74.00 |
| 3207044 | Drill Core | 95 | 1.17 | 0.123 | 6.6 | 15.0 | 0.32 | 1078 | 0.004 | 0.60 | <0.01 | 0.18 | <0.5 | 0.24 | 2.0 | 0.8 | 3.16 | <5 | 8 | 70.60 |
| 3207045 | Drill Core | 86 | 2.14 | 0.109 | 5.3 | 13.7 | 0.63 | 736 | 0.003 | 0.50 | <0.01 | 0.12 | <0.5 | 0.23 | 2.7 | 0.8 | 3.79 | <5 | 8 | 66.90 |
| 3207046 | Drill Core | 87 | 0.72 | 0.118 | 7.4 | 15.4 | 0.14 | 2736 | 0.004 | 0.56 | <0.01 | 0.17 | <0.5 | 0.21 | 1.2 | 0.7 | 1.75 | <5 | 6 | 76.50 |
| 3207047 | Drill Core | 67 | 0.67 | 0.120 | 6.5 | 11.7 | 0.16 | 1714 | 0.003 | 0.40 | <0.01 | 0.14 | <0.5 | 0.19 | 1.2 | 0.7 | 2.12 | <5 | 7 | 75.60 |
| 3207048 | Drill Core | 78 | 0.50 | 0.107 | 8.5 | 13.4 | 0.13 | 1536 | 0.004 | 0.49 | <0.01 | 0.19 | <0.5 | 0.24 | 1.5 | 0.8 | 2.92 | <5 | 6 | 74.30 |



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Project: MacMillan Pass

Report Date: October 09, 2018

Page: 3 of 3

Part: 3 of 3

CERTIFICATE OF ANALYSIS

WHI18000728.1

| Method Analyte Unit MDL | | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | TC006 | TC000 | TC000 | |
|----------------------------------|------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Fe2O3 | CaO | MgO | K2O | MnO | TiO2 | P2O5 | Cr2O3 | Ba | Cu | Pb | Zn | LOI | SUM_T | CO2 | TOT/C | TOT/S |
| | | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % |
| | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | -5.11 | 0.01 | 0.02 | 0.02 |
| 3207031 | Drill Core | 4.18 | 0.80 | 0.43 | 0.84 | 0.04 | 0.37 | 0.30 | 0.02 | 5.56 | <0.01 | 0.02 | 0.72 | 7.56 | 99.60 | 0.53 | 4.21 | 3.40 |
| 3207032 | Drill Core | 7.30 | 2.48 | 1.32 | 0.93 | 0.15 | 0.35 | 0.29 | 0.02 | 5.11 | <0.01 | 0.02 | 0.36 | 10.59 | 98.18 | 2.96 | 4.77 | 5.26 |
| 3207033 | Drill Core | 8.73 | 1.65 | 0.94 | 1.10 | 0.11 | 0.34 | 0.28 | 0.01 | 3.05 | <0.01 | 0.02 | 0.17 | 10.48 | 98.49 | 1.73 | 4.59 | 6.63 |
| 3207034 | Drill Core | 5.62 | 1.13 | 0.61 | 1.24 | 0.06 | 0.37 | 0.32 | 0.02 | 3.14 | <0.01 | 0.02 | 0.15 | 8.87 | 98.30 | 0.71 | 4.83 | 4.23 |
| 3207035 | Rock | 3.84 | 2.58 | 1.16 | 1.86 | 0.12 | 0.39 | 0.10 | <0.01 | 0.09 | <0.01 | <0.01 | <0.01 | 1.16 | 99.26 | 0.20 | 0.14 | 0.03 |
| 3207036 | Drill Core | 4.13 | 1.36 | 0.69 | 1.22 | 0.07 | 0.37 | 0.31 | 0.02 | 3.41 | <0.01 | <0.01 | 0.04 | 8.11 | 98.85 | 0.92 | 4.68 | 2.79 |
| 3207037 | Drill Core | 3.58 | 1.73 | 0.85 | 1.33 | 0.08 | 0.38 | 0.32 | 0.02 | 3.08 | <0.01 | <0.01 | 0.03 | 7.87 | 98.86 | 1.28 | 4.38 | 2.39 |
| 3207038 | Drill Core | 3.56 | 1.40 | 0.76 | 1.50 | 0.07 | 0.40 | 0.30 | 0.02 | 2.72 | <0.01 | <0.01 | 0.15 | 7.68 | 98.95 | 0.95 | 4.44 | 2.28 |
| 3207039 | Drill Core | 3.48 | 1.34 | 0.70 | 1.43 | 0.07 | 0.39 | 0.31 | 0.02 | 2.62 | <0.01 | 0.01 | 0.09 | 7.09 | 99.08 | 0.90 | 4.06 | 2.32 |
| 3207040 | Drill Core | 3.11 | 2.09 | 1.00 | 1.41 | 0.10 | 0.37 | 0.30 | 0.01 | 1.96 | <0.01 | <0.01 | 0.04 | 7.79 | 98.54 | 1.72 | 4.61 | 1.68 |
| 3207041 | Drill Core | 2.63 | 1.71 | 0.79 | 1.44 | 0.09 | 0.39 | 0.31 | 0.02 | 1.99 | <0.01 | <0.01 | 0.10 | 7.29 | 98.83 | 1.20 | 4.56 | 1.56 |
| 3207042 | Drill Core | 3.08 | 1.47 | 0.74 | 1.35 | 0.08 | 0.37 | 0.32 | 0.02 | 1.18 | <0.01 | <0.01 | 0.30 | 7.72 | 98.66 | 1.06 | 4.57 | 2.02 |
| 3207043 | Drill Core | 3.47 | 0.70 | 0.42 | 1.77 | 0.04 | 0.46 | 0.36 | 0.02 | 1.13 | <0.01 | <0.01 | <0.01 | 7.60 | 98.93 | 0.22 | 4.56 | 2.44 |
| 3207044 | Drill Core | 4.99 | 1.69 | 0.79 | 1.68 | 0.10 | 0.42 | 0.32 | 0.02 | 1.25 | <0.01 | <0.01 | <0.01 | 8.35 | 98.55 | 1.14 | 4.25 | 3.39 |
| 3207045 | Drill Core | 6.47 | 2.95 | 1.27 | 1.34 | 0.17 | 0.34 | 0.27 | 0.01 | 1.25 | <0.01 | <0.01 | <0.01 | 9.79 | 97.62 | 2.55 | 4.93 | 4.16 |
| 3207046 | Drill Core | 3.01 | 1.03 | 0.47 | 1.52 | 0.06 | 0.39 | 0.32 | 0.02 | 1.19 | <0.01 | <0.01 | <0.01 | 7.06 | 99.22 | 0.46 | 4.36 | 1.89 |
| 3207047 | Drill Core | 3.39 | 0.98 | 0.54 | 1.66 | 0.07 | 0.44 | 0.29 | 0.02 | 1.13 | <0.01 | <0.01 | <0.01 | 7.17 | 99.24 | 0.52 | 4.22 | 2.20 |
| 3207048 | Drill Core | 4.39 | 0.74 | 0.49 | 1.83 | 0.06 | 0.42 | 0.26 | 0.01 | 1.10 | <0.01 | <0.01 | <0.01 | 6.94 | 99.10 | 0.40 | 3.48 | 2.96 |



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Project:

MacMillan Pass

Report Date:

October 09, 2018

Page:

1 of 3

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000728.1

| | Method | WGHT | FA330 | FA330 | FA330 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 |
|------------------------|------------|------|-------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | Analyte | Wgt | Au | Pt | Pd | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Th | Sr | Cd | Sb | Bi |
| | Unit | kg | ppb | ppb | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | MDL | 0.01 | 2 | 3 | 2 | 0.5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 | 5 | 0.01 | 5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 |
| 3207028 | Drill Core | 4.10 | 12 | <3 | 8 | 19.6 | 68.2 | 488.3 | 47311 | 1.7 | 61.1 | 5.5 | 511 | 3.02 | 35 | 3.5 | 3.7 | 536 | 40.4 | 9.2 | <0.5 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 3207008 | Drill Core | 2.98 | 12 | 7 | 8 | 19.8 | 127.4 | 469.0 | 10360 | 2.0 | 65.5 | 5.4 | 132 | 4.45 | 33 | 3.0 | 2.8 | 187 | 7.8 | 14.2 | <0.5 |
| REP 3207008 | QC | | 11 | 3 | 7 | | | | | | | | | | | | | | | | |
| 3207013 | Drill Core | 3.70 | 11 | <3 | 12 | 18.6 | 85.8 | 853.2 | 38369 | 1.7 | 68.1 | 4.9 | 121 | 3.53 | 34 | 3.1 | 3.1 | 75 | 10.4 | 11.0 | <0.5 |
| REP 3207013 | QC | | | | | | | | | | | | | | | | | | | | |
| 3207014 | Drill Core | 4.66 | 11 | <3 | 7 | 17.4 | 64.5 | 638.5 | 27027 | 1.4 | 63.2 | 4.8 | 149 | 3.60 | 36 | 3.7 | 3.4 | 124 | 5.0 | 10.3 | <0.5 |
| REP 3207014 | QC | | | | | | | | | | | | | | | | | | | | |
| 3207015 | Drill Core | 3.64 | 9 | 4 | 8 | 12.7 | 40.1 | 490.2 | 22809 | 0.9 | 60.8 | 4.5 | 365 | 2.87 | 59 | 3.0 | 2.6 | 243 | 3.1 | 6.4 | <0.5 |
| REP 3207015 | QC | | | | | | | | | | | | | | | | | | | | |
| REP 3207017 | QC | | | | | | | | | | | | | | | | | | | | |
| 3207021 | Drill Core | 3.33 | 11 | <3 | 3 | 17.5 | 58.7 | 762.1 | 38853 | 1.4 | 69.8 | 5.4 | 86 | 3.47 | 52 | 2.7 | 3.3 | 189 | 3.3 | 7.3 | <0.5 |
| REP 3207021 | QC | | 12 | <3 | 6 | 16.9 | 62.3 | 826.3 | 38763 | 1.4 | 71.6 | 5.0 | 91 | 3.48 | 56 | 2.8 | 3.3 | 190 | 3.6 | 6.9 | <0.5 |
| 3207039 | Drill Core | 6.37 | 9 | <3 | 4 | 14.0 | 48.7 | 106.4 | 828 | 1.0 | 58.3 | 3.6 | 355 | 2.13 | 20 | 2.4 | 3.6 | 140 | 2.0 | 7.6 | <0.5 |
| REP 3207039 | QC | | 8 | 8 | 6 | | | | | | | | | | | | | | | | |
| 3207046 | Drill Core | 5.23 | 8 | <3 | 7 | 16.4 | 42.7 | 55.9 | 11 | 1.2 | 58.0 | 3.9 | 272 | 1.84 | 24 | 3.3 | 3.3 | 99 | <0.5 | 9.7 | <0.5 |
| REP 3207046 | QC | | | | | | | | | | | | | | | | | | | | |
| 3207048 | Drill Core | 3.18 | 11 | <3 | 12 | 16.6 | 44.8 | 97.8 | 19 | 1.6 | 64.4 | 5.2 | 286 | 2.84 | 25 | 2.5 | 3.9 | 87 | <0.5 | 12.2 | <0.5 |
| REP 3207048 | QC | | | | | | | | | | | | | | | | | | | | |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 3207017 | Drill Core | 3.75 | 14 | 13 | 20 | 16.1 | 51.1 | 1104.4 | 65827 | 1.0 | 54.4 | 4.7 | 121 | 2.17 | 61 | 3.3 | 3.3 | 248 | 5.3 | 4.1 | <0.5 |
| DUP 3207017 | QC | | 11 | <3 | 8 | 15.3 | 50.5 | 1078.3 | 66216 | 1.0 | 51.7 | 4.7 | 112 | 2.19 | 57 | 3.1 | 3.1 | 229 | 4.6 | 3.9 | <0.5 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |



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Page:

1 of 3

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000728.1

| | Method Analyte Unit MDL | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | LF725 | LF725 |
|------------------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | V | Ca | P | La | Cr | Mg | Ba | Ti | Al | Na | K | W | Hg | Sc | Ti | S | Ga | Se | SiO2 | Al2O3 |
| | | ppm | % | % | ppm | ppm | % | ppm | % | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | % |
| | | 10 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 5 | 0.001 | 0.01 | 0.01 | 0.01 | 0.5 | 0.05 | 0.5 | 0.5 | 0.05 | 5 | 2 | 0.01 | 0.01 |
| 3207028 | Drill Core | 478 | 1.03 | 0.118 | 12.0 | 82.4 | 0.46 | 739 | 0.098 | 3.21 | 0.02 | 0.14 | <0.5 | 13.64 | 5.6 | 16.8 | 3.19 | 11 | 11 | 64.40 | 6.15 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 3207008 | Drill Core | 72 | 0.73 | 0.131 | 6.3 | 16.4 | 0.03 | 563 | 0.004 | 1.37 | <0.01 | 0.18 | <0.5 | 1.06 | 2.2 | 27.7 | 4.46 | <5 | 7 | 71.50 | 6.59 |
| REP 3207008 | QC | | | | | | | | | | | | | | | | | | | | |
| 3207013 | Drill Core | 141 | 0.47 | 0.112 | 6.7 | 22.0 | 0.15 | 563 | 0.004 | 1.74 | <0.01 | 0.15 | <0.5 | 3.61 | 2.5 | 15.6 | 4.39 | <5 | 12 | 69.90 | 6.05 |
| REP 3207013 | QC | | | | | | | | | | | | | | | | | | | | |
| 3207014 | Drill Core | 121 | 0.68 | 0.113 | 7.6 | 19.3 | 0.26 | 722 | 0.003 | 2.16 | <0.01 | 0.14 | <0.5 | 2.61 | 3.4 | 18.1 | 3.78 | <5 | 7 | 68.70 | 6.48 |
| REP 3207014 | QC | | | | | | | | | | | | | | | | | | | 68.70 | 6.49 |
| 3207015 | Drill Core | 127 | 1.45 | 0.129 | 6.4 | 24.1 | 0.56 | 952 | 0.002 | 1.98 | <0.01 | 0.14 | <0.5 | 2.34 | 5.1 | 10.7 | 2.66 | <5 | 4 | 69.50 | 5.44 |
| REP 3207015 | QC | | | | | | | | | | | | | | | | | | | | |
| REP 3207017 | QC | | | | | | | | | | | | | | | | | | | 66.10 | 5.66 |
| 3207021 | Drill Core | 590 | 0.35 | 0.116 | 12.8 | 107.7 | 0.07 | 929 | 0.174 | 3.29 | 0.01 | 0.04 | 0.5 | 2.07 | 2.9 | 21.0 | 3.19 | 8 | 7 | 67.00 | 6.58 |
| REP 3207021 | QC | 587 | 0.34 | 0.103 | 14.3 | 109.3 | 0.07 | 1016 | 0.174 | 3.28 | 0.01 | 0.04 | <0.5 | 2.01 | 2.9 | 21.7 | 3.21 | 9 | 6 | | |
| 3207039 | Drill Core | 75 | 0.91 | 0.123 | 6.6 | 12.8 | 0.25 | 1834 | 0.004 | 0.96 | <0.01 | 0.14 | <0.5 | 0.34 | 2.1 | 1.1 | 1.85 | <5 | 8 | 73.70 | 7.44 |
| REP 3207039 | QC | | | | | | | | | | | | | | | | | | | | |
| 3207046 | Drill Core | 87 | 0.72 | 0.118 | 7.4 | 15.4 | 0.14 | 2736 | 0.004 | 0.56 | <0.01 | 0.17 | <0.5 | 0.21 | 1.2 | 0.7 | 1.75 | <5 | 6 | 76.50 | 7.46 |
| REP 3207046 | QC | | | | | | | | | | | | | | | | | | | 76.40 | 7.46 |
| 3207048 | Drill Core | 78 | 0.50 | 0.107 | 8.5 | 13.4 | 0.13 | 1536 | 0.004 | 0.49 | <0.01 | 0.19 | <0.5 | 0.24 | 1.5 | 0.8 | 2.92 | <5 | 6 | 74.30 | 8.35 |
| REP 3207048 | QC | | | | | | | | | | | | | | | | | | | | |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | | | | | |
| 3207017 | Drill Core | 232 | 1.18 | 0.113 | 12.5 | 43.5 | 0.17 | 638 | 0.022 | 2.35 | 0.01 | 0.12 | <0.5 | 4.18 | 3.5 | 9.0 | 3.86 | 6 | 9 | 66.10 | 5.65 |
| DUP 3207017 | QC | 224 | 1.17 | 0.100 | 11.7 | 38.6 | 0.16 | 563 | 0.019 | 2.37 | <0.01 | 0.12 | <0.5 | 4.36 | 3.8 | 9.3 | 3.87 | 7 | 8 | 66.30 | 5.67 |
| Reference Materials | | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD COO1 | Standard | | | | | | | | | | | | | | | | | | | | |



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Page:

1 of 3

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000728.1

| Method | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | TC006 | TC000 | TC000 |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|-------|-------|
| Analyte | Fe2O3 | CaO | MgO | K2O | MnO | TiO2 | P2O5 | Cr2O3 | Ba | Cu | Pb | Zn | LOI | SUM_T | CO2 | TOT/C | TOT/S |
| Unit | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % | % |
| MDL | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | -5.11 | 0.01 | 0.02 | 0.02 | 0.02 |
| 3207028 Drill Core | 4.15 | 1.39 | 0.71 | 0.21 | 0.08 | 0.32 | 0.25 | 0.01 | 7.50 | <0.01 | 0.05 | 4.67 | 6.99 | 98.91 | 1.47 | 3.25 | 5.17 |
| Pulp Duplicates | | | | | | | | | | | | | | | | | |
| 3207008 Drill Core | 5.96 | 0.95 | 0.31 | 1.06 | 0.04 | 0.33 | 0.29 | 0.01 | 3.05 | <0.01 | 0.04 | 1.00 | 7.53 | 99.40 | 0.41 | 3.29 | 5.15 |
| REP 3207008 QC | | | | | | | | | | | | | | | | | |
| 3207013 Drill Core | 4.83 | 0.66 | 0.41 | 0.76 | 0.04 | 0.32 | 0.26 | 0.01 | 3.82 | <0.01 | 0.09 | 3.78 | 7.67 | 100.01 | 0.38 | 3.34 | 5.43 |
| REP 3207013 QC | | | | | | | | | | | | | | | | 3.31 | 5.28 |
| 3207014 Drill Core | 4.92 | 0.92 | 0.57 | 0.72 | 0.04 | 0.34 | 0.27 | 0.01 | 5.00 | <0.01 | 0.07 | 2.67 | 7.85 | 99.83 | 0.73 | 3.53 | 5.10 |
| REP 3207014 QC | 4.91 | 0.92 | 0.57 | 0.72 | 0.04 | 0.34 | 0.27 | 0.01 | 4.96 | <0.01 | 0.07 | 2.66 | 7.85 | 99.78 | | | |
| 3207015 Drill Core | 4.00 | 1.94 | 1.03 | 0.56 | 0.06 | 0.29 | 0.29 | 0.02 | 4.86 | <0.01 | 0.06 | 2.31 | 7.81 | 99.31 | 2.03 | 3.63 | 3.91 |
| REP 3207015 QC | | | | | | | | | | | | | | | 2.04 | | |
| REP 3207017 QC | 2.99 | 1.56 | 0.32 | 0.31 | 0.03 | 0.31 | 0.23 | 0.01 | 5.53 | <0.01 | 0.12 | 6.54 | 7.56 | 99.53 | | | |
| 3207021 Drill Core | 4.71 | 0.48 | 0.15 | 0.07 | 0.03 | 0.35 | 0.27 | 0.01 | 7.87 | <0.01 | 0.09 | 3.79 | 6.23 | 99.50 | 0.22 | 2.99 | 5.35 |
| REP 3207021 QC | | | | | | | | | | | | | | | | | |
| 3207039 Drill Core | 3.48 | 1.34 | 0.70 | 1.43 | 0.07 | 0.39 | 0.31 | 0.02 | 2.62 | <0.01 | 0.01 | 0.09 | 7.09 | 99.08 | 0.90 | 4.06 | 2.32 |
| REP 3207039 QC | | | | | | | | | | | | | | | | | |
| 3207046 Drill Core | 3.01 | 1.03 | 0.47 | 1.52 | 0.06 | 0.39 | 0.32 | 0.02 | 1.19 | <0.01 | <0.01 | <0.01 | 7.06 | 99.22 | 0.46 | 4.36 | 1.89 |
| REP 3207046 QC | 3.02 | 1.04 | 0.47 | 1.52 | 0.06 | 0.39 | 0.31 | 0.02 | 1.18 | <0.01 | <0.01 | <0.01 | 7.06 | 99.14 | | 4.34 | 1.85 |
| 3207048 Drill Core | 4.39 | 0.74 | 0.49 | 1.83 | 0.06 | 0.42 | 0.26 | 0.01 | 1.10 | <0.01 | <0.01 | <0.01 | 6.94 | 99.10 | 0.40 | 3.48 | 2.96 |
| REP 3207048 QC | | | | | | | | | | | | | | | 0.41 | | |
| Core Reject Duplicates | | | | | | | | | | | | | | | | | |
| 3207017 Drill Core | 2.98 | 1.56 | 0.32 | 0.31 | 0.03 | 0.31 | 0.23 | 0.01 | 5.54 | <0.01 | 0.12 | 6.51 | 7.56 | 99.49 | 0.99 | 3.33 | 5.26 |
| DUP 3207017 QC | 2.97 | 1.53 | 0.32 | 0.31 | 0.04 | 0.31 | 0.23 | 0.01 | 5.54 | <0.01 | 0.12 | 6.54 | 7.52 | 99.67 | 1.09 | 3.32 | 5.26 |
| Reference Materials | | | | | | | | | | | | | | | | | |
| STD COO1 Standard | | | | | | | | | | | | | | | 2.39 | | |
| STD COO1 Standard | | | | | | | | | | | | | | | 2.27 | | |
| STD COO1 Standard | | | | | | | | | | | | | | | 2.39 | | |
| STD COO1 Standard | | | | | | | | | | | | | | | 2.48 | | |
| STD COO1 Standard | | | | | | | | | | | | | | | 2.45 | | |
| STD COO1 Standard | | | | | | | | | | | | | | | 2.41 | | |



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Page:

2 of 3

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000728.1

| | | WGHT | FA330 | FA330 | FA330 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 |
|---------------------------|----------|---|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Wgt | Au | Pt | Pd | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Th | Sr | Cd | Sb | Bi |
| | | kg | ppb | ppb | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.01 | 2 | 3 | 2 | 0.5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 | 5 | 0.01 | 5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 |
| STD GBM309-15 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GBM398-4-AR | Standard | 944.3 3953.4 11377.9 5264 50.5 4192.4 2038.8 5496 4.11 6 0.6 0.7 15 8.7 7.5 14.1 | | | | | | | | | | | | | | | | | | | |
| STD GBM398-4-AR | Standard | 935.3 3979.1 11784.5 5280 49.8 4305.5 1926.9 5306 3.74 8 0.7 0.8 13 10.3 7.5 12.9 | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B(D) | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B(D) | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS605 | Standard | 4.9 53254.6 918.3 2256 >1000 1652.3 101.9 93 3.70 1703 0.9 2.4 50 16.1 329.8 19.4 | | | | | | | | | | | | | | | | | | | |
| STD OREAS72B | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS72B | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS927-AR | Standard | <0.5 10666.3 236.9 746 4.5 27.4 31.9 1212 8.48 13 1.7 13.8 14 1.0 1.4 78.4 | | | | | | | | | | | | | | | | | | | |
| STD PD05 | Standard | 502 417 600 | | | | | | | | | | | | | | | | | | | |
| STD PG04 | Standard | 996 911 1227 | | | | | | | | | | | | | | | | | | | |
| STD PG04 | Standard | 963 866 1197 | | | | | | | | | | | | | | | | | | | |
| STD SY-4(D) | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SY-4(D) | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD GBM309-15 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS927-AR Expected | | 1.06 10715 212 726 4.9 30.9 29.4 1110 8.15 13.5 1.7 12.5 13.1 1.1 1.3 66 | | | | | | | | | | | | | | | | | | | |
| STD SY-4(D) Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS72B Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B(D) Expected | | | | | | | | | | | | | | | | | | | | | |
| STD GBM398-4-AR Expected | | 917 3919 11750 5345 49.2 4135 1950 5260 3.95 6 0.7 0.8 13 9.2 7.2 12.9 | | | | | | | | | | | | | | | | | | | |
| STD OREAS605 Expected | | 4.75 49800 856 2170 984 1538 93 86 3.75 1613 0.95 12.9 228 16.7 | | | | | | | | | | | | | | | | | | | |
| STD PD05 Expected | | 519 430 596 | | | | | | | | | | | | | | | | | | | |
| STD PG04 Expected | | 1004 903 1196 | | | | | | | | | | | | | | | | | | | |



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October 09, 2018

Page:

2 of 3

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000728.1

| | | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | LF725 | LF725 |
|---------------------------|----------|-------|-------|--------|-------|--------|--------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | V | Ca | P | La | Cr | Mg | Ba | Ti | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | SiO2 | Al2O3 |
| | | ppm | % | % | ppm | ppm | % | ppm | % | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | % |
| | | 10 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 5 | 0.001 | 0.01 | 0.01 | 0.01 | 0.5 | 0.05 | 0.5 | 0.5 | 0.05 | 5 | 2 | 0.01 | 0.01 |
| STD GBM309-15 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GBM398-4-AR | Standard | 25 | 0.28 | 0.021 | 2.9 | 2020.6 | 0.13 | 23 | 0.116 | 0.49 | 0.26 | 0.12 | 3.4 | 3.31 | 1.6 | <0.5 | 0.96 | <5 | 3 | | |
| STD GBM398-4-AR | Standard | 36 | 0.35 | 0.018 | 2.7 | 1998.0 | 0.13 | 19 | 0.111 | 0.46 | 0.25 | 0.10 | 2.8 | 3.15 | 1.4 | <0.5 | 0.93 | <5 | <2 | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B(D) | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B(D) | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS605 | Standard | <10 | 0.17 | 0.011 | 7.5 | 32.9 | 0.03 | 181 | 0.010 | 0.71 | 0.03 | 0.14 | 7.3 | 1.63 | 1.0 | 16.0 | 8.03 | 6 | 93 | | |
| STD OREAS72B | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS72B | Standard | | | | | | | | | | | | | | | | | | | | |
| STD OREAS927-AR | Standard | 35 | 0.26 | 0.060 | 27.5 | 39.6 | 1.94 | 52 | 0.079 | 3.21 | <0.01 | 0.28 | 5.6 | 0.20 | 4.3 | <0.5 | 1.79 | 9 | 16 | | |
| STD PD05 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD PG04 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD PG04 | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SY-4(D) | Standard | | | | | | | | | | | | | | | | | | | | |
| STD SY-4(D) | Standard | | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD GS910-4 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD GBM309-15 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS927-AR Expected | | 34 | 0.3 | 0.054 | 26.9 | 41.7 | 1.94 | 51.4 | 0.085 | 3.25 | 0.011 | 0.27 | 4.9 | 0.12 | 4.74 | | 1.77 | 9.09 | 15.5 | | |
| STD SY-4(D) Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS72B Expected | | | | | | | | | | | | | | | | | | | | | |
| STD OREAS133B(D) Expected | | | | | | | | | | | | | | | | | | | | | |
| STD GBM398-4-AR Expected | | 24 | 0.34 | 0.02 | 2.8 | 1950 | 0.12 | 21 | 0.111 | 0.48 | 0.25 | 0.11 | 3 | 3.21 | 1.79 | | 0.94 | | 3 | | |
| STD OREAS605 Expected | | 8.33 | 0.182 | 0.0116 | 3.95 | 27.5 | 0.0289 | 184.8 | 0.01 | 0.73 | 0.0328 | 0.134 | 5.9 | | 1.05 | 15.3 | 7.86 | | 75 | | |
| STD PD05 Expected | | | | | | | | | | | | | | | | | | | | | |
| STD PG04 Expected | | | | | | | | | | | | | | | | | | | | | |



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Project: MacMillan Pass

Report Date: October 09, 2018

Page: 2 of 3

Part: 3 of 3

QUALITY CONTROL REPORT

WHI18000728.1

| | | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | LF725 | TC006 | TC000 | TC000 | |
|---------------------------|----------|-------|-------|--------|-------|-------|-------|-------|-------|--------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Fe2O3 | CaO | MgO | K2O | MnO | TiO2 | P2O5 | Cr2O3 | Ba | Cu | Pb | Zn | LOI | SUM_T | | CO2 | TOT/C | TOT/S | |
| | | % | % | % | % | % | % | % | % | % | % | % | % | % | % | | % | % | % | |
| | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | -5.11 | 0.01 | 0.02 | 0.02 | 0.02 | |
| STD GBM309-15 | Standard | | | | | | | | | | | | | | | | | | 0.23 | 27.78 |
| STD GBM398-4-AR | Standard | | | | | | | | | | | | | | | | | | | |
| STD GBM398-4-AR | Standard | | | | | | | | | | | | | | | | | | | |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | 1.00 | 2.33 |
| STD GS311-1 | Standard | | | | | | | | | | | | | | | | | | 0.98 | 2.32 |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | 2.70 | 8.42 |
| STD GS910-4 | Standard | | | | | | | | | | | | | | | | | | 2.63 | 8.23 |
| STD OREAS133B(D) | Standard | 11.50 | 5.30 | 3.71 | 3.44 | 0.16 | 0.23 | 0.10 | <0.01 | 0.07 | 0.03 | 5.06 | 11.33 | 13.00 | 97.51 | | | | | |
| STD OREAS133B(D) | Standard | 11.50 | 5.30 | 3.70 | 3.45 | 0.16 | 0.23 | 0.10 | <0.01 | 0.07 | 0.03 | 5.06 | 11.33 | 13.00 | 97.42 | | | | | |
| STD OREAS605 | Standard | | | | | | | | | | | | | | | | | | | |
| STD OREAS72B | Standard | 9.84 | 3.97 | 15.90 | 1.32 | 0.15 | 0.35 | 0.06 | 0.15 | 0.04 | 0.02 | <0.01 | <0.01 | 5.12 | 98.49 | | | | | |
| STD OREAS72B | Standard | 9.87 | 3.97 | 15.90 | 1.32 | 0.15 | 0.35 | 0.06 | 0.14 | 0.04 | 0.02 | <0.01 | 0.01 | 5.12 | 98.41 | | | | | |
| STD OREAS927-AR | Standard | | | | | | | | | | | | | | | | | | | |
| STD PD05 | Standard | | | | | | | | | | | | | | | | | | | |
| STD PG04 | Standard | | | | | | | | | | | | | | | | | | | |
| STD PG04 | Standard | | | | | | | | | | | | | | | | | | | |
| STD SY-4(D) | Standard | 6.17 | 7.99 | 0.52 | 1.66 | 0.11 | 0.30 | 0.16 | <0.01 | 0.03 | <0.01 | <0.01 | 0.03 | 4.56 | 98.78 | | | | | |
| STD SY-4(D) | Standard | 6.18 | 8.00 | 0.52 | 1.66 | 0.11 | 0.30 | 0.16 | <0.01 | 0.03 | <0.01 | <0.01 | 0.03 | 4.56 | 98.80 | | | | | |
| STD GS311-1 Expected | | | | | | | | | | | | | | | | | | | 1.02 | 2.35 |
| STD GS910-4 Expected | | | | | | | | | | | | | | | | | | | 2.65 | 8.27 |
| STD GBM309-15 Expected | | | | | | | | | | | | | | | | | | | 0.22 | 28.84 |
| STD OREAS927-AR Expected | | | | | | | | | | | | | | | | | | | | |
| STD SY-4(D) Expected | | 6.21 | | 0.54 | 1.66 | 0.108 | 0.287 | 0.131 | | 0.0345 | | | | 4.56 | | | | | | |
| STD OREAS72B Expected | | 9.724 | 3.96 | 15.933 | 1.313 | 0.13 | 0.355 | 0.061 | 0.142 | 0.0335 | 0.0193 | | | 5.12 | | | | | | |
| STD OREAS133B(D) Expected | | 11.67 | 5.4 | 3.73 | | | | | | 0.08 | 0.032 | 5.06 | 11.35 | | | | | | | |
| STD GBM398-4-AR Expected | | | | | | | | | | | | | | | | | | | | |
| STD OREAS605 Expected | | | | | | | | | | | | | | | | | | | | |
| STD PD05 Expected | | | | | | | | | | | | | | | | | | | | |
| STD PG04 Expected | | | | | | | | | | | | | | | | | | | | |



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Report Date:

October 09, 2018

Page:

3 of 3

Part:

1 of 3

QUALITY CONTROL REPORT

WHI18000728.1

| | | WGHT | FA330 | FA330 | FA330 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 |
|-------------------|------------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| | | Wgt | Au | Pt | Pd | Mo | Cu | Pb | Zn | Ag | Ni | Co | Mn | Fe | As | U | Th | Sr | Cd | Sb | Bi |
| | | kg | ppb | ppb | ppb | ppm | ppm | ppm | ppm | ppm | ppm | ppm | ppm | % | ppm | ppm | ppm | ppm | ppm | ppm | ppm |
| | | 0.01 | 2 | 3 | 2 | 0.5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 | 5 | 0.01 | 5 | 0.5 | 0.5 | 5 | 0.5 | 0.5 | 0.5 |
| STD COO1 Expected | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | <0.5 | <0.5 | 0.8 | <5 | <0.5 | <0.5 | <0.5 | <5 | <0.01 | <5 | <0.5 | <0.5 | <5 | <0.5 | <0.5 | <0.5 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| SI BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| SI BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | <0.5 | <0.5 | <0.5 | <5 | <0.5 | <0.5 | <0.5 | <5 | <0.01 | <5 | <0.5 | <0.5 | <5 | <0.5 | <0.5 | <0.5 |
| BLK | Blank | | 4 | <3 | <2 | | | | | | | | | | | | | | | | |
| BLK | Blank | | 3 | <3 | <2 | | | | | | | | | | | | | | | | |
| BLK | Blank | | 2 | <3 | <2 | | | | | | | | | | | | | | | | |
| BLK | Blank | | <2 | <3 | <2 | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| ROCK-WHI | Prep Blank | | 2 | <3 | 2 | 1.3 | 4.0 | 2.9 | 39 | <0.5 | 0.8 | 4.0 | 605 | 1.94 | <5 | <0.5 | 2.3 | 30 | <0.5 | <0.5 | <0.5 |
| ROCK-WHI | Prep Blank | | 3 | <3 | <2 | 0.9 | 8.7 | 1.5 | 38 | <0.5 | 1.0 | 4.5 | 646 | 2.03 | <5 | <0.5 | 2.4 | 32 | <0.5 | <0.5 | <0.5 |



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Report Date:

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Page:

3 of 3

Part:

2 of 3

QUALITY CONTROL REPORT

WHI18000728.1

| | | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | AQ270 | LF725 | LF725 |
|-------------------|------------|-------|-------|--------|-------|-------|-------|-------|--------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|--------|-------|
| | | V | Ca | P | La | Cr | Mg | Ba | Ti | Al | Na | K | W | Hg | Sc | Tl | S | Ga | Se | SiO2 | Al2O3 |
| | | ppm | % | % | ppm | ppm | % | ppm | % | % | % | % | ppm | ppm | ppm | ppm | % | ppm | ppm | % | % |
| | | 10 | 0.01 | 0.001 | 0.5 | 0.5 | 0.01 | 5 | 0.001 | 0.01 | 0.01 | 0.01 | 0.5 | 0.05 | 0.5 | 0.5 | 0.05 | 5 | 2 | 0.01 | 0.01 |
| STD COO1 Expected | | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | <10 | <0.01 | <0.001 | <0.5 | 0.6 | <0.01 | <5 | <0.001 | <0.01 | <0.01 | <0.01 | <0.5 | <0.05 | <0.5 | <0.5 | <0.05 | <5 | <2 | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| SI BLK | Blank | | | | | | | | | | | | | | | | | | | 99.50 | 0.34 |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| SI BLK | Blank | | | | | | | | | | | | | | | | | | | 100.00 | 0.33 |
| BLK | Blank | <10 | <0.01 | <0.001 | <0.5 | <0.5 | <0.01 | <5 | <0.001 | <0.01 | <0.01 | <0.01 | <0.5 | <0.05 | <0.5 | <0.5 | <0.05 | <5 | <2 | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | | | | |
| Prep Wash | | | | | | | | | | | | | | | | | | | | | |
| ROCK-WHI | Prep Blank | 25 | 0.70 | 0.046 | 6.8 | 2.2 | 0.48 | 83 | 0.094 | 0.91 | 0.08 | 0.11 | <0.5 | <0.05 | 2.9 | <0.5 | 0.05 | <5 | <2 | 71.10 | 13.80 |
| ROCK-WHI | Prep Blank | 30 | 0.77 | 0.044 | 6.7 | 2.0 | 0.51 | 71 | 0.097 | 1.07 | 0.09 | 0.10 | <0.5 | <0.05 | 2.9 | <0.5 | 0.06 | <5 | <2 | 70.50 | 14.10 |



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Page:

3 of 3

Part:

3 of 3

QUALITY CONTROL REPORT

WHI18000728.1

| | | LF725 Fe2O3 % | LF725 CaO % | LF725 MgO % | LF725 K2O % | LF725 MnO % | LF725 TiO2 % | LF725 P2O5 % | LF725 Cr2O3 % | LF725 Ba % | LF725 Cu % | LF725 Pb % | LF725 Zn % | LF725 LOI % | LF725 SUM_T % | TC006 CO2 % | TC000 TOT/C % | TC000 TOT/S % |
|-------------------|------------|---------------------|-------------------|-------------------|-------------------|-------------------|--------------------|--------------------|---------------------|------------------|------------------|------------------|------------------|-------------------|---------------------|-------------------|---------------------|---------------------|
| | | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | 0.01 | -5.11 | 0.01 | 0.02 | 0.02 | 0.02 |
| STD COO1 Expected | | 2.37 | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.02 | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.02 | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.02 | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.02 | | | | | | | | | | | | | | | | |
| SI BLK | Blank | <0.01 | 0.01 | 0.03 | <0.01 | 0.02 | 0.02 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | <0.01 | 0.00 | 99.97 | | | |
| BLK | Blank | 0.04 | | | | | | | | | | | | | | | | |
| SI BLK | Blank | 0.01 | 0.01 | 0.02 | <0.01 | 0.02 | 0.03 | <0.01 | <0.01 | 0.01 | <0.01 | <0.01 | <0.01 | 0.00 | 100.47 | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | |
| BLK | Blank | | | | | | | | | | | | | | | | | |
| BLK | Blank | <0.02 | | | | | | | | | | | | | | | | |
| Prep Wash | | | | | | | | | | | | | | | | | | |
| ROCK-WHI | Prep Blank | 3.02 | 2.14 | 0.87 | 2.07 | 0.11 | 0.37 | 0.09 | <0.01 | 0.10 | <0.01 | <0.01 | <0.01 | 0.72 | 98.94 | 0.25 | 0.09 | 0.03 |
| ROCK-WHI | Prep Blank | 3.30 | 2.45 | 0.99 | 1.91 | 0.11 | 0.35 | 0.09 | <0.01 | 0.09 | <0.01 | <0.01 | <0.01 | 0.87 | 99.21 | 0.24 | 0.09 | 0.07 |