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To: **HULSTEIN GEOLOGICAL SERVICES**  
**106 WILSON DRIVE**  
**WHITESHORSE YT Y1A 0C9**

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 Plus Appendix Pages  
 Finalized Date: 14-OCT-2017  
 This copy reported on  
 16-OCT-2017  
 Account: HULGEO

**CERTIFICATE WH17191001**

Project: Sixtymile2017MMD

This report is for 17 Rock samples submitted to our lab in Whitehorse, YT, Canada on 5-SEP-2017.

The following have access to data associated with this certificate:

|                |               |
|----------------|---------------|
| ROGER HULSTEIN | MIKE MCDUGALL |
|----------------|---------------|

| SAMPLE PREPARATION |                                |
|--------------------|--------------------------------|
| ALS CODE           | DESCRIPTION                    |
| WEI-21             | Received Sample Weight         |
| LOG-22             | Sample login - Rcd w/o BarCode |
| CRU-QC             | Crushing QC Test               |
| PUL-QC             | Pulverizing QC Test            |
| CRU-31             | Fine crushing - 70% <2mm       |
| SPL-21             | Split sample - riffle splitter |
| PUL-32             | Pulverize 1000g to 85% < 75 um |
| BAG-01             | Bulk Master for Storage        |

| ANALYTICAL PROCEDURES |                               |         |
|-----------------------|-------------------------------|---------|
| ALS CODE              | DESCRIPTION                   |         |
| ME-MS41               | Ultra Trace Aqua Regia ICP-MS |         |
| Au-ICP21              | Au 30g FA ICP-AES Finish      | ICP-AES |

To: **HULSTEIN GEOLOGICAL SERVICES**  
**ATTN: ROGER HULSTEIN**  
**106 WILSON DRIVE**  
**WHITESHORSE YT Y1A 0C9**

This is the Final Report and supersedes any preliminary report with this certificate number. Results apply to samples as submitted. All pages of this report have been checked and approved for release.

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

Signature:   
 Colin Ramshaw, Vancouver Laboratory Manager



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**CERTIFICATE OF ANALYSIS WH17191001**

| Sample Description | Method Analyte Units LOR | WEI-21       | Au-ICP21 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |        |
|--------------------|--------------------------|--------------|----------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                    |                          | Recvd Wt. kg | Au ppm   | Ag ppm  | Al %    | As ppm  | Au ppm  | B ppm   | Ba ppm  | Be ppm  | Bi ppm  | Ca %    | Cd ppm  | Ce ppm  | Co ppm  | Cr ppm |
| 122703             |                          | 2.42         | 0.007    | 0.82    | 1.34    | 2070    | <0.02   | <10     | 810     | 1.19    | 0.21    | 0.47    | 2.09    | 48.0    | 44.8    | 23     |
| 122704             |                          | 1.40         | <0.001   | 1.21    | 0.17    | 278     | <0.02   | <10     | 1200    | 0.16    | 0.15    | 0.59    | 1.46    | 14.25   | 4.9     | 11     |
| 122705             |                          | 1.85         | <0.001   | 0.34    | 0.10    | 36.0    | <0.02   | <10     | 220     | 0.07    | 0.15    | 0.07    | 0.22    | 8.27    | 3.5     | 15     |
| 122706             |                          | 1.57         | 0.002    | 0.33    | 0.58    | 7.6     | <0.02   | <10     | 450     | 0.29    | 0.04    | 0.44    | 0.95    | 28.5    | 15.7    | 26     |
| 122707             |                          | 1.58         | <0.001   | 0.45    | 0.12    | 18.2    | <0.02   | <10     | 130     | 0.14    | 0.08    | 0.30    | 0.49    | 7.27    | 1.3     | 14     |
| 122708             |                          | 1.88         | 0.002    | 0.93    | 0.45    | 45.3    | <0.02   | <10     | 70      | 0.38    | 0.04    | 4.70    | 0.83    | 23.6    | 32.7    | 48     |
| 122709             |                          | 2.20         | 0.006    | 0.30    | 0.15    | 105.5   | <0.02   | <10     | 100     | 0.14    | 0.08    | 0.08    | 0.18    | 6.95    | 2.4     | 19     |
| 122710             |                          | 1.37         | <0.001   | 0.08    | 3.36    | 3.1     | <0.02   | <10     | 70      | 0.43    | 0.69    | 0.28    | 0.12    | 36.3    | 22.3    | 60     |
| 122724             |                          | 1.75         | 0.014    | 0.38    | 1.16    | 12.8    | <0.02   | <10     | 30      | 0.28    | 1.44    | 0.49    | 0.20    | 14.35   | 15.9    | 5      |
| 122725             |                          | 1.28         | 0.001    | 0.37    | 1.01    | 12.4    | <0.02   | <10     | 70      | 0.42    | 0.85    | 2.38    | 3.91    | 22.5    | 33.6    | 9      |
| 122678             |                          | 1.62         | 0.016    | 0.41    | 1.35    | 6.8     | <0.02   | <10     | 30      | 0.34    | 1.18    | 0.32    | 0.42    | 46.0    | 15.3    | 5      |
| 122651             |                          | 1.20         | 0.004    | 0.64    | 0.33    | 339     | <0.02   | <10     | 420     | 0.32    | 0.05    | 0.19    | 0.21    | 17.50   | 11.5    | 18     |
| 122652             |                          | 1.37         | <0.001   | 0.16    | 0.09    | 41.1    | <0.02   | <10     | 60      | 0.08    | 0.17    | 0.01    | 0.27    | 1.41    | 1.8     | 24     |
| 122653             |                          | 1.71         | <0.001   | 0.86    | 0.08    | 588     | <0.02   | <10     | 40      | 0.09    | 0.62    | 0.79    | 0.60    | 2.93    | 5.8     | 14     |
| 122654             |                          | 1.26         | 0.032    | 1.10    | 0.40    | 2330    | <0.02   | <10     | 130     | 0.32    | 0.21    | 1.61    | 1.59    | 14.15   | 38.9    | 56     |
| 122655             |                          | 1.33         | 0.004    | 0.10    | 0.10    | 23.5    | <0.02   | <10     | 80      | 0.07    | 0.06    | 0.70    | 0.23    | 2.98    | 2.2     | 16     |
| 122656             |                          | 1.66         | 0.013    | 0.52    | 0.05    | 55.5    | 0.02    | <10     | 20      | <0.05   | 0.26    | 0.18    | 0.32    | 1.02    | 6.5     | 17     |



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Project: Sixtymile2017MMD

**CERTIFICATE OF ANALYSIS WH17191001**

| Sample Description | Method Analyte Units LOR | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |       |
|--------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|-------|
|                    |                          | Cs ppm  | Cu ppm  | Fe %    | Ga ppm  | Ge ppm  | Hf ppm  | Hg ppm  | In ppm  | K %     | La ppm  | Li ppm  | Mg %    | Mn ppm  | Mo ppm  | Na %  |
| 122703             |                          | 5.34    | 64.8    | 13.15   | 4.05    | 0.10    | 0.05    | 0.05    | 0.102   | 0.33    | 22.1    | 9.2     | 0.19    | 3040    | 14.00   | 0.01  |
| 122704             |                          | 0.85    | 15.8    | 1.67    | 0.90    | <0.05   | 0.03    | 0.01    | 0.008   | 0.06    | 6.6     | 2.9     | 0.07    | 9610    | 9.73    | 0.01  |
| 122705             |                          | 0.20    | 24.2    | 1.13    | 0.47    | <0.05   | 0.07    | 0.01    | 0.010   | 0.05    | 4.9     | 1.5     | 0.01    | 576     | 4.69    | 0.01  |
| 122706             |                          | 0.56    | 53.1    | 3.87    | 2.14    | <0.05   | 0.05    | <0.01   | 0.013   | 0.20    | 14.4    | 4.9     | 0.51    | 1400    | 1.22    | 0.01  |
| 122707             |                          | 0.16    | 37.4    | 1.08    | 0.56    | <0.05   | 0.08    | <0.01   | 0.010   | 0.07    | 5.2     | 0.6     | 0.02    | 80      | 1.62    | 0.01  |
| 122708             |                          | 1.55    | 76.8    | 6.29    | 1.55    | 0.07    | 0.14    | 0.01    | 0.022   | 0.21    | 11.9    | 2.8     | 1.88    | 664     | 9.09    | 0.02  |
| 122709             |                          | 0.38    | 12.0    | 1.57    | 0.61    | <0.05   | 0.05    | <0.01   | 0.006   | 0.07    | 3.2     | 0.9     | 0.03    | 152     | 0.97    | 0.01  |
| 122710             |                          | 2.83    | 52.2    | 6.34    | 12.40   | 0.15    | 0.04    | <0.01   | 0.031   | 1.70    | 16.6    | 18.5    | 2.67    | 422     | 0.72    | 0.13  |
| 122724             |                          | 1.59    | 38.5    | 7.14    | 2.91    | 0.06    | 0.06    | 0.01    | 0.016   | 0.68    | 5.9     | 3.2     | 0.41    | 103     | 3.26    | 0.03  |
| 122725             |                          | 5.71    | 10.1    | 4.06    | 2.23    | 0.05    | 0.06    | 0.03    | 0.021   | 0.42    | 11.9    | 3.8     | 1.03    | 563     | 7.31    | 0.02  |
| 122678             |                          | 2.74    | 88.6    | 5.22    | 3.62    | 0.08    | 0.08    | 0.01    | 0.026   | 0.58    | 21.1    | 4.9     | 0.18    | 78      | 3.51    | 0.02  |
| 122651             |                          | 1.64    | 14.4    | 3.18    | 1.32    | <0.05   | 0.04    | 0.01    | 0.020   | 0.10    | 8.1     | 3.2     | 0.04    | 454     | 3.47    | 0.01  |
| 122652             |                          | 0.30    | 8.9     | 1.91    | 0.53    | <0.05   | 0.03    | 0.01    | 0.005   | 0.02    | 0.9     | 0.7     | 0.01    | 280     | 1.95    | 0.01  |
| 122653             |                          | 0.28    | 24.6    | 1.94    | 0.41    | <0.05   | 0.02    | 0.01    | 0.014   | 0.04    | 1.3     | 2.9     | 0.36    | 1560    | 1.06    | <0.01 |
| 122654             |                          | 0.75    | 117.5   | 6.39    | 1.81    | 0.07    | 0.05    | 0.01    | 0.022   | 0.14    | 7.0     | 3.6     | 0.63    | 1280    | 2.58    | 0.01  |
| 122655             |                          | 0.21    | 17.5    | 1.68    | 0.48    | <0.05   | 0.02    | <0.01   | 0.005   | 0.05    | 1.5     | 0.8     | 0.38    | 260     | 0.63    | 0.01  |
| 122656             |                          | 0.09    | 33.0    | 3.03    | 0.26    | <0.05   | <0.02   | <0.01   | 0.012   | 0.02    | 0.5     | 0.6     | 0.10    | 165     | 0.34    | 0.01  |



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| Sample Description | Method Analyte Units LOR | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 | ME-MS41 |        |
|--------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|---------|--------|
|                    |                          | Nb ppm  | Ni ppm  | P ppm   | Pb ppm  | Rb ppm  | Re ppm  | S %     | Sb ppm  | Sc ppm  | Se ppm  | Sn ppm  | Sr ppm  | Ta ppm  | Te ppm  | Th ppm |
| 122703             |                          | 0.05    | 318     | 2750    | 27.2    | 19.8    | <0.001  | 0.01    | 3.37    | 7.6     | 0.5     | 0.4     | 36.2    | <0.01   | 0.10    | 4.8    |
| 122704             |                          | <0.05   | 70.0    | 2740    | 16.5    | 3.1     | <0.001  | 0.02    | 1.17    | 1.8     | <0.2    | 0.4     | 63.9    | <0.01   | 0.06    | 1.0    |
| 122705             |                          | <0.05   | 10.9    | 350     | 11.3    | 2.1     | <0.001  | 0.01    | 0.99    | 0.6     | 0.4     | <0.2    | 4.4     | <0.01   | 0.07    | 0.9    |
| 122706             |                          | 0.06    | 72.2    | 730     | 5.9     | 8.8     | 0.003   | 0.43    | 0.75    | 2.8     | 1.3     | 0.4     | 11.5    | <0.01   | 0.04    | 4.2    |
| 122707             |                          | <0.05   | 14.8    | 1610    | 30.8    | 3.1     | 0.004   | 0.18    | 0.73    | 0.6     | 1.5     | 0.4     | 12.5    | <0.01   | 0.05    | 0.9    |
| 122708             |                          | 0.06    | 109.0   | 1400    | 6.0     | 10.1    | 0.011   | 2.35    | 6.49    | 6.3     | 5.7     | 0.5     | 74.9    | <0.01   | 0.07    | 2.9    |
| 122709             |                          | <0.05   | 11.0    | 180     | 7.9     | 3.7     | 0.001   | 0.21    | 1.88    | 0.7     | 0.6     | <0.2    | 6.8     | <0.01   | 0.08    | 1.1    |
| 122710             |                          | 0.09    | 17.3    | 650     | 2.1     | 84.7    | <0.001  | 1.87    | 0.60    | 19.8    | 2.0     | 1.3     | 18.6    | <0.01   | 0.93    | 4.0    |
| 122724             |                          | 0.05    | 4.7     | 960     | 26.0    | 33.3    | <0.001  | 7.73    | 4.02    | 1.4     | 3.3     | 0.3     | 12.8    | <0.01   | 0.34    | 1.4    |
| 122725             |                          | <0.05   | 13.5    | 1370    | 69.4    | 23.3    | 0.003   | 3.91    | 1.53    | 3.4     | 2.6     | 0.4     | 44.4    | <0.01   | 0.11    | 1.3    |
| 122678             |                          | 0.07    | 8.1     | 1430    | 45.8    | 23.4    | 0.002   | 5.27    | 6.59    | 2.5     | 1.8     | 0.4     | 9.4     | <0.01   | 0.15    | 2.6    |
| 122651             |                          | <0.05   | 61.9    | 960     | 6.0     | 6.0     | <0.001  | 0.04    | 0.96    | 3.0     | <0.2    | 0.7     | 11.7    | <0.01   | 0.03    | 1.6    |
| 122652             |                          | <0.05   | 17.4    | 210     | 25.4    | 1.3     | <0.001  | 0.03    | 0.56    | 0.7     | 0.6     | <0.2    | 4.4     | <0.01   | 0.06    | 0.2    |
| 122653             |                          | <0.05   | 13.8    | 90      | 61.3    | 2.0     | <0.001  | 0.20    | 0.44    | 1.9     | 1.1     | 0.5     | 8.3     | <0.01   | 0.24    | 0.4    |
| 122654             |                          | 0.07    | 140.5   | 1050    | 29.9    | 6.1     | 0.012   | 1.26    | 1.00    | 4.3     | 9.3     | <0.2    | 26.1    | <0.01   | 0.13    | 1.2    |
| 122655             |                          | <0.05   | 10.8    | 150     | 10.5    | 2.5     | <0.001  | 0.33    | 0.63    | 0.8     | 0.6     | 0.6     | 14.4    | <0.01   | 0.02    | 0.4    |
| 122656             |                          | <0.05   | 25.3    | 50      | 44.4    | 1.0     | <0.001  | 2.06    | 1.17    | 0.5     | 2.2     | <0.2    | 3.1     | <0.01   | 0.06    | 0.2    |



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|--------------------|--------------------------|---------|---------|---------|---------|---------|---------|---------|--------|
|                    |                          | Ti %    | Ti ppm  | U ppm   | V ppm   | W ppm   | Y ppm   | Zn ppm  | Zr ppm |
|                    |                          | 0.005   | 0.02    | 0.05    | 1       | 0.05    | 0.05    | 2       | 0.5    |
| 122703             |                          | 0.005   | 0.17    | 9.14    | 33      | 6.95    | 30.9    | 1090    | 3.9    |
| 122704             |                          | <0.005  | 0.08    | 1.23    | 9       | 0.45    | 12.15   | 127     | 1.5    |
| 122705             |                          | <0.005  | 0.04    | 1.13    | 12      | 0.20    | 3.17    | 30      | 3.5    |
| 122706             |                          | <0.005  | 0.13    | 1.33    | 21      | 0.08    | 8.40    | 131     | 2.3    |
| 122707             |                          | <0.005  | 0.03    | 1.18    | 36      | 0.20    | 8.22    | 88      | 3.7    |
| 122708             |                          | <0.005  | 0.26    | 2.11    | 40      | 0.99    | 14.95   | 181     | 9.0    |
| 122709             |                          | <0.005  | 0.03    | 0.31    | 9       | 1.50    | 1.63    | 33      | 2.1    |
| 122710             |                          | 0.206   | 0.52    | 1.72    | 131     | 0.07    | 9.80    | 27      | 1.6    |
| 122724             |                          | 0.006   | 0.35    | 0.60    | 10      | 0.24    | 9.12    | 31      | 2.4    |
| 122725             |                          | <0.005  | 0.22    | 0.50    | 27      | 0.23    | 9.30    | 443     | 2.9    |
| 122678             |                          | 0.010   | 0.29    | 1.71    | 19      | 0.47    | 13.35   | 91      | 3.1    |
| 122651             |                          | <0.005  | 0.04    | 2.15    | 11      | 0.95    | 7.30    | 192     | 2.2    |
| 122652             |                          | <0.005  | 0.02    | 0.88    | 18      | 0.08    | 2.02    | 74      | 1.5    |
| 122653             |                          | <0.005  | 0.06    | 0.32    | 6       | 0.05    | 2.77    | 51      | 1.3    |
| 122654             |                          | <0.005  | 0.14    | 1.47    | 32      | 0.43    | 13.00   | 295     | 2.8    |
| 122655             |                          | <0.005  | 0.02    | 0.15    | 5       | 0.27    | 1.39    | 40      | 0.8    |
| 122656             |                          | <0.005  | 0.05    | 0.08    | 3       | 0.16    | 0.44    | 54      | <0.5   |



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### CERTIFICATE COMMENTS

#### ANALYTICAL COMMENTS

Applies to Method: Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).  
ME-MS41

#### LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.

|        |        |        |        |
|--------|--------|--------|--------|
| BAG-01 | CRU-31 | CRU-QC | LOG-22 |
| PUL-32 | PUL-QC | SPL-21 | WEI-21 |

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.

|          |         |
|----------|---------|
| Au-ICP21 | ME-MS41 |
|----------|---------|