



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

Submitted By: Debbie James  
Receiving Lab: Canada-Whitehorse  
Received: October 02, 2015  
Report Date: October 17, 2015  
Page: 1 of 2

## CERTIFICATE OF ANALYSIS

WHI15000213.1

### CLIENT JOB INFORMATION

Project: STU  
Shipment ID: STU2  
P.O. Number  
Number of Samples: 30

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
RTRN-RJT Return

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

Invoice To: Midnight Mining  
Box 31347  
Whitehorse YT Y1A 5P7  
CANADA

CC: Sue Craig

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	28	Crush, split and pulverize 250 g rock to 200 mesh			WHI
FA430	30	Lead Collection Fire - Assay Fusion - AAS Finish	30	Completed	VAN
MA270	28	4 Acid Digestion Analysis by ICP-ES/ICP-MS	0.5	Completed	VAN
AQ300	2	1:1:1 Aqua Regia digestion ICP-ES analysis	0.5	Completed	VAN
GC921	28	Cu in oxide form, 5% H <sub>2</sub> SO <sub>4</sub>	1	Completed	VAN
MA371	1	4 Acid digestion ICP-ES analysis	0.1	Completed	VAN
FA530	3	Lead collection fire assay 30G fusion - Grav finish	30	Completed	VAN

### ADDITIONAL COMMENTS



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.



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 2 of 2

**Part:** 1 of 4

# CERTIFICATE OF ANALYSIS

WHI15000213.1

	Method Analyte Unit MDL	WGHT	FA430	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
615701	Rock	3.04	<0.005	<0.5	371.2	15.1	77	<0.5	2.9	8	824	3.00	5	1.2	3.0	781	<0.5	<0.5	<0.5	75	2.21
615702	Rock	2.19	<0.005	<0.5	270.4	14.2	54	<0.5	2.3	5	518	2.17	<5	1.1	2.8	655	<0.5	<0.5	<0.5	55	1.67
615703	Rock	1.63	<0.005	<0.5	262.2	15.8	59	<0.5	2.8	6	635	2.56	<5	1.2	2.5	755	<0.5	<0.5	<0.5	68	2.31
615704	Rock	2.12	0.006	<0.5	261.2	13.2	64	<0.5	2.8	8	827	2.87	<5	1.1	3.0	831	<0.5	<0.5	0.7	76	2.54
615705	Rock	4.23	<0.005	<0.5	658.1	11.7	94	<0.5	2.2	8	844	3.22	<5	0.8	2.5	796	<0.5	<0.5	<0.5	77	2.96
615706	Rock	2.53	0.007	<0.5	738.3	12.8	101	<0.5	2.2	8	940	3.39	<5	0.7	3.1	674	<0.5	<0.5	<0.5	85	2.83
615707	Rock	3.19	0.006	<0.5	952.8	18.0	62	<0.5	3.5	8	556	2.89	<5	0.8	4.9	647	<0.5	<0.5	<0.5	87	2.14
615708	Rock	3.27	<0.005	<0.5	311.8	11.6	63	<0.5	1.4	5	456	2.17	<5	0.7	1.9	643	<0.5	<0.5	<0.5	50	1.71
615709	Rock	1.63	<0.005	<0.5	248.8	37.2	195	<0.5	4.8	12	1146	3.53	<5	1.2	8.8	720	<0.5	<0.5	<0.5	93	2.15
615710	Rock Pulp	0.12	0.950	222.1	3208.1	123.8	183	3.0	13.5	14	308	4.31	52	6.7	13.5	162	3.2	31.6	5.4	86	0.82
615711	Rock	2.85	<0.005	<0.5	109.7	15.8	64	<0.5	2.6	6	702	2.41	<5	0.9	6.2	621	<0.5	<0.5	<0.5	65	1.98
615712	Rock	4.34	<0.005	0.5	74.5	17.5	71	<0.5	2.9	7	636	2.38	<5	1.2	6.2	669	<0.5	<0.5	<0.5	61	1.49
615713	Rock	3.37	<0.005	1.0	56.5	49.0	209	<0.5	4.0	8	1305	2.77	<5	2.0	7.8	730	<0.5	<0.5	<0.5	71	2.27
615714	Rock	3.30	<0.005	<0.5	55.5	18.1	48	<0.5	2.6	5	510	1.73	<5	1.0	5.1	795	<0.5	<0.5	<0.5	42	1.66
615715	Rock	1.43	0.007	0.6	242.4	18.4	79	<0.5	3.3	10	833	2.68	<5	1.0	6.5	639	<0.5	<0.5	<0.5	73	1.97
615716	Rock	2.95	<0.005	0.5	47.3	17.7	50	<0.5	3.0	7	642	2.41	<5	1.2	5.6	651	<0.5	<0.5	<0.5	64	1.98
615717	Rock	4.40	<0.005	1.0	84.2	23.9	185	<0.5	3.6	9	1214	2.97	<5	1.4	5.3	680	<0.5	<0.5	<0.5	83	2.28
615718	Rock	3.52	<0.005	0.7	99.3	19.4	76	<0.5	3.8	9	909	2.77	<5	1.6	6.7	663	<0.5	0.7	<0.5	75	1.83
615719	Rock	2.05	<0.005	0.8	151.9	14.3	94	<0.5	4.1	9	928	2.72	<5	1.9	8.5	664	<0.5	<0.5	<0.5	75	1.99
615720	Rock Pulp	0.06	<0.005	<0.5	3.1	19.1	52	<0.5	5.0	5	762	2.43	<5	3.7	9.8	792	<0.5	<0.5	<0.5	54	2.73
615721	Rock	1.75	0.009	1.1	523.3	14.6	86	0.9	2.9	11	805	2.72	<5	1.3	9.0	678	<0.5	<0.5	<0.5	72	1.85
615722	Rock	3.27	<0.005	0.6	153.5	14.2	57	<0.5	4.2	7	587	2.17	5	1.0	5.9	526	<0.5	<0.5	<0.5	57	0.66
615723	Rock	4.94	<0.005	1.3	174.4	16.3	51	<0.5	3.0	8	714	2.78	5	1.5	5.7	644	<0.5	<0.5	<0.5	74	1.75
615724	Rock	4.05	<0.005	0.8	155.3	11.5	59	<0.5	3.0	8	798	3.50	<5	1.0	7.3	556	<0.5	<0.5	<0.5	99	1.52
615725	Rock	2.95	0.029	1.0	932.0	19.0	106	1.1	3.0	21	879	3.20	7	1.4	7.0	639	<0.5	0.8	<0.5	89	2.11
116227	Rock	1.15	0.580	1.4	6436.4	60478.1	73316	>300	10.2	6	86240	23.85	310	1.2	0.7	61	1456.8	6834.3	1.3	12	0.36
116228	Rock	0.96	1.352	1.1	8971.3	61669.6	109427	>300	10.7	5	83340	22.46	264	0.8	<0.5	12	1898.6	9153.0	1.0	22	0.43
116229	Rock	1.00	8.331	1.1	232.1	>100000	2383	>300	1.2	<1	69	5.85	60395	15.6	1.5	17	365.6	38810.7	12.5	<10	0.02
1501039	Rock	1.27	0.011																		
1501040	Rock	0.83	0.381																		



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 2 of 2

**Part:** 2 of 4

# CERTIFICATE OF ANALYSIS

WHI15000213.1

Method	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
Analyte	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S		
Unit	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%		
MDL	0.01	0.5	1	0.01	5	0.001	0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	0.5	5	1	0.5	0.05		
615701	Rock	0.08	16.0	4	0.65	1934	0.242	8.22	3.40	1.96	<0.5	9.4	31	1.0	13.6	7.9	0.6	<5	8	8.6	<0.05	
615702	Rock	0.06	10.2	<1	0.47	2551	0.166	7.46	3.28	2.13	<0.5	17.6	22	0.7	8.6	5.5	0.9	<5	5	8.3	<0.05	
615703	Rock	0.07	12.0	3	0.58	2093	0.199	8.07	3.30	2.22	<0.5	21.2	24	1.0	11.5	6.6	0.7	<5	8	8.1	<0.05	
615704	Rock	0.07	13.8	4	0.72	2009	0.224	7.74	3.38	1.83	<0.5	12.9	27	0.9	15.2	10.0	1.1	<5	8	10.0	<0.05	
615705	Rock	0.11	14.1	4	0.81	1980	0.272	8.53	3.33	1.86	<0.5	8.8	32	1.0	19.8	9.4	0.8	<5	9	9.0	<0.05	
615706	Rock	0.12	13.3	1	0.82	1569	0.290	7.10	3.29	1.82	<0.5	11.8	28	1.1	20.6	8.8	0.6	<5	10	10.8	<0.05	
615707	Rock	0.12	13.9	5	0.73	1458	0.261	5.88	2.99	2.24	<0.5	12.7	28	1.4	11.3	9.3	0.6	<5	6	10.3	<0.05	
615708	Rock	0.07	7.1	<1	0.37	2008	0.181	7.35	3.51	1.96	<0.5	11.1	19	0.6	4.5	5.6	<0.5	<5	3	7.9	<0.05	
615709	Rock	0.10	13.7	4	0.84	1664	0.263	8.32	2.97	2.51	1.1	17.3	43	1.1	11.6	9.3	0.7	<5	8	10.4	<0.05	
615710	Rock Pulp	0.07	45.5	94	0.74	1103	0.165	7.13	0.60	4.16	19.7	24.2	74	5.9	10.7	3.2	<0.5	<5	10	12.3	1.55	
615711	Rock	0.07	11.9	2	0.58	1521	0.180	7.06	3.00	2.81	0.9	16.6	31	0.5	10.1	7.0	<0.5	<5	5	6.6	<0.05	
615712	Rock	0.06	12.6	4	0.56	2056	0.193	7.55	2.50	3.55	0.8	16.5	31	<0.5	7.9	7.3	0.6	<5	4	8.6	<0.05	
615713	Rock	0.09	13.3	5	0.69	1609	0.213	8.15	2.97	3.16	0.6	15.0	32	0.7	11.3	8.0	0.6	<5	6	7.5	<0.05	
615714	Rock	0.05	8.8	1	0.45	1979	0.133	7.98	3.23	3.18	<0.5	17.1	24	<0.5	7.5	5.7	<0.5	<5	3	7.2	<0.05	
615715	Rock	0.08	10.0	4	0.56	1521	0.197	6.56	3.06	2.76	<0.5	13.2	32	0.8	8.4	7.9	<0.5	<5	6	8.6	<0.05	
615716	Rock	0.08	8.9	3	0.56	1636	0.187	7.25	2.83	3.26	0.6	14.6	26	0.7	9.3	7.4	0.5	<5	5	7.9	<0.05	
615717	Rock	0.09	9.6	5	0.72	1743	0.232	6.35	2.97	3.06	1.9	16.3	32	0.9	11.6	9.4	0.8	<5	7	7.9	<0.05	
615718	Rock	0.09	10.3	4	0.70	1637	0.223	6.73	3.15	2.99	2.0	14.4	30	0.9	9.5	8.5	0.6	<5	6	10.9	<0.05	
615719	Rock	0.10	14.0	4	0.76	1750	0.238	7.89	3.05	3.28	1.1	15.6	39	0.9	11.5	8.7	<0.5	<5	7	9.8	<0.05	
615720	Rock Pulp	0.09	29.4	41	0.71	1098	0.241	8.50	2.88	3.20	<0.5	7.6	56	0.9	15.4	20.1	1.2	<5	6	34.0	<0.05	
615721	Rock	0.09	17.3	5	0.82	1409	0.237	8.05	3.10	2.63	1.2	12.9	41	0.8	9.4	8.5	<0.5	<5	6	14.2	<0.05	
615722	Rock	0.06	11.7	3	0.47	1961	0.184	6.68	3.42	2.89	1.2	21.0	30	<0.5	5.3	6.8	<0.5	<5	4	10.3	<0.05	
615723	Rock	0.07	17.6	5	0.52	1687	0.217	7.47	2.91	2.90	<0.5	17.1	32	0.6	11.9	8.3	0.5	<5	7	10.8	<0.05	
615724	Rock	0.13	33.5	5	0.55	1519	0.269	8.22	2.58	2.30	<0.5	15.4	48	0.8	17.2	9.6	<0.5	<5	8	12.4	<0.05	
615725	Rock	0.11	11.7	5	0.82	1559	0.251	7.14	2.95	3.05	<0.5	17.6	31	0.9	9.2	8.5	<0.5	<5	7	14.0	<0.05	
116227	Rock	<0.01	2.1	14	0.62	52	0.029	0.42	0.02	0.14	1.3	3.1	<5	26.5	19.3	<0.5	<0.5	<5	9	1.4	3.84	
116228	Rock	<0.01	1.2	24	0.98	34	0.075	0.59	0.01	0.19	4.7	1.6	<5	30.3	11.3	0.5	<0.5	<5	5	1.6	6.19	
116229	Rock	<0.01	3.3	9	0.01	113	0.010	0.43	0.01	0.13	<0.5	3.1	<5	13.4	<0.5	<0.5	<0.5	<5	<1	1.6	5.22	
1501039	Rock																					
1501040	Rock																					



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 2 of 2

**Part:** 3 of 4

# CERTIFICATE OF ANALYSIS

WHI15000213.1

	Method Analyte Unit MDL	MA270	MA270	MA270	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300
		Rb	Hf	Se	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.5	0.5	5	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1
615701	Rock	58.5	<0.5	<5																
615702	Rock	54.3	0.7	<5																
615703	Rock	54.8	0.7	<5																
615704	Rock	46.2	<0.5	<5																
615705	Rock	50.9	<0.5	<5																
615706	Rock	45.5	0.5	<5																
615707	Rock	52.5	0.8	<5																
615708	Rock	40.9	<0.5	<5																
615709	Rock	78.6	0.7	<5																
615710	Rock Pulp	168.5	0.9	<5																
615711	Rock	69.9	0.7	<5																
615712	Rock	105.5	0.6	<5																
615713	Rock	83.5	0.8	<5																
615714	Rock	85.3	0.6	<5																
615715	Rock	60.4	0.6	<5																
615716	Rock	76.9	0.7	<5																
615717	Rock	70.1	0.7	<5																
615718	Rock	71.1	0.7	<5																
615719	Rock	106.4	0.7	<5																
615720	Rock Pulp	134.6	<0.5	<5																
615721	Rock	99.1	<0.5	<5																
615722	Rock	90.7	0.8	<5																
615723	Rock	77.0	0.8	<5																
615724	Rock	75.5	0.6	<5																
615725	Rock	86.1	0.8	<5																
116227	Rock	11.9	<0.5	9																
116228	Rock	25.2	<0.5	19																
116229	Rock	9.3	<0.5	60																
1501039	Rock				<1	3	100	62	1.6	2	6	612	2.05	49	<2	157	1.4	13	<3	84
1501040	Rock				113	8767	161	16	4.8	3	5	99	1.21	60	2	17	0.7	33	<3	32



**BUREAU** MINERAL LABORATORIES  
**VERITAS** Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

Project: STU  
Report Date: October 17, 2015

Page: 2 of 2

Part: 4 of 4

# CERTIFICATE OF ANALYSIS

WHI15000213.1

	Method	Analyte	Unit	MDL	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	GC921	MA371	FA530													
					P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Cu/Ox	Pb	Ag											
					%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	%	gm/t											
					0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.001	0.02	50											
615701	Rock																		0.014															
615702	Rock																		0.011															
615703	Rock																		0.011															
615704	Rock																		0.011															
615705	Rock																		0.023															
615706	Rock																		0.025															
615707	Rock																		0.029															
615708	Rock																		0.012															
615709	Rock																		0.005															
615710	Rock Pulp																		0.084															
615711	Rock																		0.002															
615712	Rock																		0.001															
615713	Rock																		<0.001															
615714	Rock																		<0.001															
615715	Rock																		0.007															
615716	Rock																		0.001															
615717	Rock																		0.002															
615718	Rock																		0.003															
615719	Rock																		0.003															
615720	Rock Pulp																		<0.001															
615721	Rock																		0.018															
615722	Rock																		0.003															
615723	Rock																		0.005															
615724	Rock																		0.005															
615725	Rock																		0.081															
116227	Rock																		0.075		4277													
116228	Rock																		0.049		6435													
116229	Rock																		0.001	14.38	326													
1501039	Rock																		0.071	8	3	0.51	46	0.102	<20	5.03	0.03	0.04	<2	<0.05	<1	<5	31	<5
1501040	Rock																		0.046	3	7	0.15	25	0.039	<20	0.39	0.07	0.05	<2	<0.05	<1	<5	<5	



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 1 of 2

**Part:** 1 of 4

## QUALITY CONTROL REPORT

WHI15000213.1

	Method Analyte Unit MDL	WGHT	FA430	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
Pulp Duplicates																					
615706	Rock	2.53	0.007	<0.5	738.3	12.8	101	<0.5	2.2	8	940	3.39	<5	0.7	3.1	674	<0.5	<0.5	<0.5	85	2.83
REP 615706	QC																				
615718	Rock	3.52	<0.005	0.7	99.3	19.4	76	<0.5	3.8	9	909	2.77	<5	1.6	6.7	663	<0.5	0.7	<0.5	75	1.83
REP 615718	QC			0.9	98.4	17.8	77	<0.5	3.5	9	909	2.84	<5	1.7	6.8	688	<0.5	<0.5	<0.5	76	1.89
116229	Rock	1.00	8.331	1.1	232.1	>100000	2383	>300	1.2	<1	69	5.85	60395	15.6	1.5	17	365.6	38810.7	12.5	<10	0.02
REP 116229	QC																				
Reference Materials																					
STD AGPROOF	Standard																				
STD CCU-1D	Standard																				
STD CPZO-1_5PER	Standard																				
STD CZN-4	Standard																				
STD DS10	Standard																				
STD GBM398-4-MA	Standard			888.4	3925.5	12069.1	5440	51.5	4229.3	1921	5310	5.12	7	0.8	1.2	51	9.9	10.4	9.9	61	1.28
STD GBM997-6	Standard																				
STD OREAS45EA	Standard																				
STD OREAS901	Standard																				
STD OREAS927-MA	Standard			1.3	10881.2	218.1	761	4.0	32.0	31	1175	8.73	9	2.7	16.0	25	0.8	1.6	57.4	78	0.39
STD OXD108	Standard			0.421																	
STD OXI121	Standard			1.790																	
STD OXN117	Standard			7.743																	
STD PTC-1A	Standard																				
STD SP49	Standard																				
STD SQ70	Standard																				
STD OXD108 Expected				0.414																	
STD OXN117 Expected				7.679																	
STD OXI121 Expected				1.834																	
STD CPZO-1_5PER																					
STD OREAS901 Expected																					



Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

Project: STU  
Report Date: October 17, 2015

Page: 1 of 2

Part: 2 of 4

## QUALITY CONTROL REPORT

WHI15000213.1

Method Analyte Unit MDL																				
	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
	P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
	%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
	0.01	0.5	1	0.01	5	0.001	0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	0.5	5	1	0.5	0.05
Pulp Duplicates																				
615706 Rock	0.12	13.3	1	0.82	1569	0.290	7.10	3.29	1.82	<0.5	11.8	28	1.1	20.6	8.8	0.6	<5	10	10.8	<0.05
REP 615706 QC																				
615718 Rock	0.09	10.3	4	0.70	1637	0.223	6.73	3.15	2.99	2.0	14.4	30	0.9	9.5	8.5	0.6	<5	6	10.9	<0.05
REP 615718 QC	0.09	11.2	4	0.73	1650	0.226	7.42	3.14	3.03	2.0	15.9	32	0.6	10.2	8.7	0.7	<5	6	10.4	<0.05
116229 Rock	<0.01	3.3	9	0.01	113	0.010	0.43	0.01	0.13	<0.5	3.1	<5	13.4	<0.5	<0.5	<0.5	<5	<1	1.6	5.22
REP 116229 QC																				
Reference Materials																				
STD AGPROOF Standard																				
STD CCU-1D Standard																				
STD CPZO-1_5PER Standard																				
STD CZN-4 Standard																				
STD DS10 Standard																				
STD GBM398-4-MA Standard	0.05	4.2	1552	0.57	46	0.226	5.07	1.55	3.23	3.6	82.8	9	5.9	7.5	2.0	<0.5	<5	7	7.0	0.95
STD GBM997-6 Standard																				
STD OREAS45EA Standard																				
STD OREAS901 Standard																				
STD OREAS927-MA Standard	0.05	37.5	56	2.11	287	0.321	6.49	0.16	1.87	8.2	91.6	69	21.6	20.5	12.1	0.9	<5	12	32.3	1.67
STD OXD108 Standard																				
STD OXI121 Standard																				
STD OXN117 Standard																				
STD PTC-1A Standard																				
STD SP49 Standard																				
STD SQ70 Standard																				
STD OXD108 Expected																				
STD OXN117 Expected																				
STD OXI121 Expected																				
STD CPZO-1_5PER																				
STD OREAS901 Expected																				



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 1 of 2

**Part:** 3 of 4

## QUALITY CONTROL REPORT

WHI15000213.1

	Method Analyte Unit MDL	MA270	MA270	MA270	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300		
		Rb	Hf	Se	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Th	Sr	Cd	Sb	Bi	V	Ca	
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	
		0.5	0.5	5	1	1	3	1	0.3	1	1	2	0.01	2	2	1	0.5	3	3	1	0.01	
Pulp Duplicates																						
615706	Rock	45.5	0.5	<5																		
REP 615706	QC																					
615718	Rock	71.1	0.7	<5																		
REP 615718	QC	76.6	0.7	<5																		
116229	Rock	9.3	<0.5	60																		
REP 116229	QC																					
Reference Materials																						
STD AGPROOF	Standard																					
STD CCU-1D	Standard																					
STD CPZO-1_5PER	Standard																					
STD CZN-4	Standard																					
STD DS10	Standard					12	151	152	369	1.5	73	12	889	2.73	45	7	65	2.4	9	11	42	1.07
STD GBM398-4-MA	Standard	742.7	2.1	5																		
STD GBM997-6	Standard																					
STD OREAS45EA	Standard					2	709	14	26	<0.3	400	56	412	22.87	6	10	4	<0.5	9	<3	312	0.03
STD OREAS901	Standard																					
STD OREAS927-MA	Standard	118.3	2.4	15																		
STD OXD108	Standard																					
STD OXI121	Standard																					
STD OXN117	Standard																					
STD PTC-1A	Standard																					
STD SP49	Standard																					
STD SQ70	Standard																					
STD OXD108 Expected																						
STD OXN117 Expected																						
STD OXI121 Expected																						
STD CPZO-1_5PER																						
STD OREAS901 Expected																						





**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 1 of 2

**Part:** 4 of 4

## QUALITY CONTROL REPORT

WHI15000213.1

	Method	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	GC921	MA371	FA530
	Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Cu/Ox	Pb	Ag
	Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	%	gm/t
	MDL	0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	0.01	2	0.05	1	5	5	5	0.001	0.02
Pulp Duplicates																				
615706	Rock	0.025																		
REP 615706	QC	0.025																		
615718	Rock	0.003																		
REP 615718	QC																			
116229	Rock	0.001 14.38 326																		
REP 116229	QC	14.59 317																		
Reference Materials																				
STD AGPROOF	Standard	95																		
STD CCU-1D	Standard	0.32																		
STD CPZO-1_5PER	Standard	0.261																		
STD CZN-4	Standard	0.19																		
STD DS10	Standard	0.076	15	52	0.78	417	0.075	<20	1.04	0.07	0.33	3	0.29	<1	<5	<5	<5			
STD GBM398-4-MA	Standard																			
STD GBM997-6	Standard	24.05																		
STD OREAS45EA	Standard	0.031	7	906	0.10	152	0.101	<20	3.32	0.03	0.05	<2	<0.05	<1	<5	9	86			
STD OREAS901	Standard	0.081																		
STD OREAS927-MA	Standard																			
STD OXD108	Standard																			
STD OXI121	Standard																			
STD OXN117	Standard																			
STD PTC-1A	Standard	0.06																		
STD SP49	Standard	59																		
STD SQ70	Standard	157																		
STD OXD108 Expected																				
STD OXN117 Expected																				
STD OXI121 Expected																				
STD CPZO-1_5PER		0.26																		
STD OREAS901 Expected		0.083																		



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 2 of 2

**Part:** 1 of 4

## QUALITY CONTROL REPORT

WHI15000213.1

		WGHT	FA430	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.5	0.5	0.5	5	0.5	0.5	1	5	0.01	5	0.5	0.5	5	0.5	0.5	0.5	10	0.01
STD DS10 Expected																					
STD OREAS45EA Expected																					
STD GBM398-4-MA				900	3930	11645	5212	49.7	4110	2000	5300	5.05	7	0.8	1.1	53	7.9	9.52	10.9	61	1.27
STD OREAS927-MA				1.06	10800	231	798	4.6	33.3	31	1217	8.56	9.2	2.7	14.4	29.3	1.1	1.9	62.7	77	0.4
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD CZN-4 Expected																					
STD PTC-1A Expected																					
STD CCU-1D Expected																					
STD GBM997-6 Expected																					
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank																				
BLK	Blank																				
BLK	Blank			<0.5	<0.5	<0.5	<5	<0.5	<0.5	<1	<5	<0.01	<5	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<10	<0.01
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank		<0.005	0.9	4.1	3.7	41	<0.5	0.8	4	667	1.93	<5	1.1	2.6	157	<0.5	<0.5	0.6	34	1.28
ROCK-WHI	Prep Blank		<0.005	0.6	26.5	5.1	121	<0.5	0.7	4	602	2.03	<5	1.3	2.8	210	0.9	<0.5	<0.5	37	1.58



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 2 of 2

**Part:** 2 of 4

## QUALITY CONTROL REPORT

WHI15000213.1

		MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270	MA270
		P	La	Cr	Mg	Ba	Ti	Al	Na	K	W	Zr	Ce	Sn	Y	Nb	Ta	Be	Sc	Li	S
		%	ppm	ppm	%	ppm	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.5	1	0.01	5	0.001	0.01	0.01	0.01	0.5	0.5	5	0.5	0.5	0.5	0.5	5	1	0.5	0.05
STD DS10 Expected																					
STD OREAS45EA Expected																					
STD GBM398-4-MA		0.047	4	1570	0.55	45	0.229	5.08	1.54	3.26	4	113	9	5.8	7.5	2	0.2		7.16	7	0.92
STD OREAS927-MA		0.053	40.2	63	2.11	314	0.314	6.45	0.173	1.87	8.1	94	76	22.3	19.2	11	0.86	1.8	11	35.1	1.54
STD AGPROOF Expected																					
STD SP49 Expected																					
STD SQ70 Expected																					
STD CZN-4 Expected																					
STD PTC-1A Expected																					
STD CCU-1D Expected																					
STD GBM997-6 Expected																					
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank																				
BLK	Blank	<0.01	<0.5	<1	<0.01	<5	<0.001	<0.01	<0.01	<0.01	<0.5	<0.5	<5	<0.5	<0.5	<0.5	<0.5	<5	<1	<0.5	<0.05
BLK	Blank																				
BLK	Blank																				
Prep Wash																					
ROCK-WHI	Prep Blank	0.03	10.2	<1	0.44	774	0.189	4.01	3.34	1.60	<0.5	54.7	18	0.6	12.9	6.1	<0.5	<5	4	1.5	0.07
ROCK-WHI	Prep Blank	0.05	13.8	<1	0.46	886	0.198	6.08	3.48	1.65	<0.5	49.5	26	0.5	14.1	5.5	<0.5	<5	6	1.5	<0.05



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 2 of 2

**Part:** 3 of 4

## QUALITY CONTROL REPORT

WHI15000213.1

	MA270 Rb ppm 0.5	MA270 Hf ppm 0.5	MA270 Se ppm 5	AQ300 Mo ppm 1	AQ300 Cu ppm 1	AQ300 Pb ppm 3	AQ300 Zn ppm 1	AQ300 Ag ppm 0.3	AQ300 Ni ppm 1	AQ300 Co ppm 1	AQ300 Mn ppm 2	AQ300 Fe % 0.01	AQ300 As ppm 2	AQ300 Th ppm 2	AQ300 Sr ppm 1	AQ300 Cd ppm 0.5	AQ300 Sb ppm 3	AQ300 Bi ppm 3	AQ300 V ppm 1	AQ300 Ca % 0.01
STD DS10 Expected				13.6	154.61	150.55	370	2.02	74.6	12.9	875	2.7188	46.2	7.5	67.1	2.62	9	11.65	43	1.0625
STD OREAS45EA Expected				1.6	709	14.3	31.4	0.26	381	52	400	23.51	10	10.7	3.5				303	0.036
STD GBM398-4-MA	731	2.8																		
STD OREAS927-MA	121	2.73	16																	
STD AGPROOF Expected																				
STD SP49 Expected																				
STD SQ70 Expected																				
STD CZN-4 Expected																				
STD PTC-1A Expected																				
STD CCU-1D Expected																				
STD GBM997-6 Expected																				
BLK Blank																				
BLK Blank																				
BLK Blank																				
BLK Blank				<1	<1	<3	<1	<0.3	<1	<1	<2	<0.01	<2	<2	<1	<0.5	<3	<3	<1	<0.01
BLK Blank	<0.5	<0.5	<5																	
BLK Blank																				
BLK Blank																				
Prep Wash																				
ROCK-WHI Prep Blank	29.8	1.8	<5																	
ROCK-WHI Prep Blank	35.0	1.7	<5																	



**BUREAU  
VERITAS**

**MINERAL LABORATORIES**  
Canada

[www.bureauveritas.com/um](http://www.bureauveritas.com/um)

Bureau Veritas Commodities Canada Ltd.

9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA

PHONE (604) 253-3158

**Client:** **Midnight Mining**  
Box 31347  
Whitehorse YT Y1A 5P7 CANADA

**Project:** STU  
**Report Date:** October 17, 2015

**Page:** 2 of 2

**Part:** 4 of 4

## QUALITY CONTROL REPORT

WHI15000213.1

		AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	AQ300	GC921	MA371	FA530	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	S	Hg	Tl	Ga	Sc	Cu/Ox	Pb	Ag
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	%	ppm	ppm	ppm	ppm	%	%	gm/t
		0.001	1	1	0.01	1	0.001	20	0.01	0.01	0.01	2	0.05	1	5	5	5	0.001	0.02	50
STD DS10 Expected		0.0765	17.5	54.6	0.775	412	0.0817		1.0259	0.067	0.338	3.32	0.29	0.3	5.1	4.3	2.8			
STD OREAS45EA Expected		0.029	7.06	849	0.095	148	0.0984		3.13	0.02	0.053		0.036			12.4	78			
STD GBM398-4-MA																				
STD OREAS927-MA																				
STD AGPROOF Expected																				94
STD SP49 Expected																				60.2
STD SQ70 Expected																				159.5
STD CZN-4 Expected																			0.1861	
STD PTC-1A Expected																			0.05	
STD CCU-1D Expected																			0.262	
STD GBM997-6 Expected																			23.75	
BLK	Blank																			
BLK	Blank																			
BLK	Blank																	<0.001		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.01	<0.01	<2	<0.05	<1	<5	<5	<5			
BLK	Blank																			
BLK	Blank																			<50
BLK	Blank																		<0.02	
Prep Wash																				
ROCK-WHI	Prep Blank																	<0.001		
ROCK-WHI	Prep Blank																	<0.001		