



ALS Canada Ltd.
2103 Dollarton Hwy
North Vancouver BC V7H 0A7
Phone: 604 984 0221 Fax: 604 984 0218 www.alsglobal.com

To: RYAN GOLD CORP.
713 - 4TH AVENUE, LOT 12, BLOCK HD
P.O. BOX 5070
DAWSON CITY YT Y0B 1G0

Page: 1
Finalized Date: 16-SEP-2013
Account: RYGCOR

CERTIFICATE WH13158587

Project: Mahtin

P.O. No.: MH13-001

This report is for 26 Rock samples submitted to our lab in Whitehorse, YT, Canada on 30-AUG-2013.

The following have access to data associated with this certificate:

SCOTT DORION

JAROD LAPP

CARRIE WONG

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-33	Fine Crushing 95% <2 mm
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	51 anal. aqua regia ICPMS
Au-ICP22	Au 50g FA ICP-AES finish ICP-AES

To: RYAN GOLD CORP.
ATTN: CARRIE WONG
713 - 4TH AVENUE, LOT 12, BLOCK HD
P.O. BOX 5070
DAWSON CITY YT Y0B 1G0

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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Page: 2 - A
Total # Pages: 2 (A - D)
Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH13158587

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP22 Au ppm	ME-MS41 Ag ppm	ME-MS41 Al %	ME-MS41 As ppm	ME-MS41 Au ppm	ME-MS41 B ppm	ME-MS41 Ba ppm	ME-MS41 Be ppm	ME-MS41 Bi ppm	ME-MS41 Ca %	ME-MS41 Cd ppm	ME-MS41 Ce ppm	ME-MS41 Co ppm	ME-MS41 Cr ppm
		0.02	0.001	0.01	0.01	0.1	0.2	10	10	0.05	0.01	0.01	0.01	0.02	0.1	1
45151		2.29	0.002	0.11	2.26	5.4	<0.2	<10	190	0.81	0.12	0.12	0.03	56.3	13.4	53
45152		2.80	0.034	0.28	3.30	4.9	<0.2	<10	40	1.49	3.32	2.82	0.23	38.5	2.0	6
45153		2.39	0.010	0.11	0.74	27.3	<0.2	<10	220	0.78	1.77	0.62	0.20	90.4	6.2	49
45154		2.68	0.003	0.26	1.11	23.0	<0.2	<10	40	0.64	0.25	0.09	0.12	39.3	16.4	39
45155		1.79	0.002	0.07	0.62	8.3	<0.2	<10	100	0.63	0.97	0.17	0.06	43.3	1.5	11
45156		2.08	0.041	0.06	2.53	7.9	<0.2	<10	90	0.55	0.33	2.10	0.15	32.5	1.7	13
45157		2.23	0.004	0.06	2.93	9.1	<0.2	10	50	0.74	0.14	2.82	0.13	20.9	1.1	13
45158		1.89	0.001	0.17	0.76	7.6	<0.2	<10	200	0.60	0.14	0.81	0.24	81.8	6.2	24
45159		2.34	0.015	0.57	4.04	20.9	<0.2	<10	130	1.33	0.51	1.48	0.03	34.6	23.5	47
45160		1.96	0.004	0.07	0.43	5.7	<0.2	<10	40	0.56	0.46	0.28	0.11	44.0	3.1	10
18201		4.11	0.001	0.12	4.53	4.2	<0.2	10	40	1.41	1.25	4.78	0.24	47.2	0.7	9
18202		3.48	0.001	0.01	0.06	<2	<0.2	<10	100	0.95	0.04	>25.0	0.03	4.34	1.0	1
18203		3.87	0.001	0.12	3.66	11	<0.2	<10	40	1.11	0.24	12.05	0.16	38.4	2.7	5
18204		4.05	0.003	0.14	2.58	27	<0.2	10	70	0.88	0.51	10.90	0.35	28.4	4.3	16
18205		3.43	0.028	0.05	0.27	46	<0.2	<10	40	0.72	7.50	12.40	0.08	31.8	4.0	10
18206		4.42	0.001	0.05	0.24	16.2	<0.2	<10	10	0.07	0.43	0.07	0.04	20.2	1.7	24
18207		4.62	0.004	0.13	0.13	30.7	<0.2	<10	10	0.18	3.02	0.06	0.07	15.05	0.6	15
18208		1.78	0.002	0.05	1.15	16.0	<0.2	<10	230	0.71	0.56	0.53	0.08	54.1	5.8	39
18209		4.25	0.542	2.12	0.41	>10000	0.6	<10	70	0.62	85.7	0.10	0.67	44.9	41.1	13
45201		4.07	0.001	0.04	2.98	39	<0.2	<10	70	0.76	0.24	11.50	0.31	52.8	0.6	11
45202		3.52	0.001	0.04	0.56	9	<0.2	10	140	1.71	0.07	22.4	0.15	25.0	4.0	7
45203		3.30	0.144	0.42	5.56	52	0.2	20	60	1.67	4.41	11.70	0.21	42.1	5.0	13
45204		2.57	0.001	0.14	3.73	6	<0.2	20	50	1.40	0.18	14.20	0.18	31.5	3.1	5
45205		3.18	0.015	0.32	4.48	282	<0.2	<10	160	1.77	3.19	3.19	0.37	20.5	18.0	46
45206		4.41	0.005	0.16	2.96	150.0	<0.2	<10	80	0.19	1.80	1.94	0.08	9.61	34.9	122
45207		3.42	0.069	0.81	1.60	70.3	<0.2	<10	300	0.80	14.55	0.41	0.12	38.8	3.7	62



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Page: 2 - B
Total # Pages: 2 (A - D)
Plus Appendix Pages
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Project: Mahtin

CERTIFICATE OF ANALYSIS WH13158587

Sample Description	Method Analyte Units LOR	ME-MS41 Cs ppm 0.05	ME-MS41 Cu ppm 0.2	ME-MS41 Fe % 0.01	ME-MS41 Ga ppm 0.05	ME-MS41 Ge ppm 0.05	ME-MS41 Hf ppm 0.02	ME-MS41 Hg ppm 0.01	ME-MS41 In ppm 0.005	ME-MS41 K % 0.01	ME-MS41 La ppm 0.2	ME-MS41 Li ppm 0.1	ME-MS41 Mg % 0.01	ME-MS41 Mn ppm 5	ME-MS41 Mo ppm 0.05	ME-MS41 Na % 0.01
45151		17.05	43.8	3.40	12.15	0.16	0.18	<0.01	0.024	1.43	30.0	184.0	1.00	287	1.46	0.06
45152		87.2	68.9	0.50	9.69	0.08	0.31	<0.01	0.018	0.04	20.8	14.7	0.19	115	0.27	0.42
45153		9.15	47.0	1.95	5.43	0.20	0.36	<0.01	0.020	0.35	49.4	34.0	0.61	191	1.81	0.07
45154		12.60	202	2.63	5.53	0.10	0.09	<0.01	<0.005	0.49	19.4	86.7	0.53	129	0.77	0.05
45155		4.44	25.0	0.89	3.52	0.06	0.94	<0.01	0.013	0.28	23.0	12.0	0.15	67	0.89	0.05
45156		3.90	5.4	0.31	8.40	0.09	0.46	<0.01	<0.005	0.23	19.2	27.7	0.41	48	2.09	0.13
45157		3.41	10.2	0.28	9.48	0.07	0.20	<0.01	<0.005	0.06	13.2	6.4	0.15	36	3.85	0.18
45158		4.86	23.8	1.38	4.99	0.15	0.27	<0.01	0.006	0.43	40.9	56.7	0.42	170	0.64	0.06
45159		13.80	204	4.77	17.50	0.26	0.34	0.01	0.024	1.23	21.3	84.0	1.86	204	3.27	0.33
45160		2.49	23.4	0.68	2.52	0.07	0.48	0.01	0.005	0.14	27.5	9.1	0.12	89	0.72	0.07
18201		8.99	2.6	0.29	13.55	0.13	0.37	0.08	0.005	0.03	25.9	4.3	0.04	108	1.23	0.35
18202		0.64	1.0	1.08	0.28	<0.05	<0.02	<0.01	<0.005	0.01	2.4	0.9	1.82	349	0.07	0.01
18203		1.80	30.0	0.29	10.75	0.09	0.13	<0.01	<0.005	0.07	20.7	6.2	0.05	58	0.15	0.39
18204		5.67	19.4	0.51	8.78	0.09	0.13	<0.01	0.005	0.13	14.9	26.8	0.15	122	0.21	0.29
18205		4.47	9.5	4.76	1.13	0.07	0.06	<0.01	0.140	0.06	18.8	27.6	1.26	980	0.11	0.01
18206		0.62	7.7	0.72	0.80	<0.05	0.03	<0.01	<0.005	0.01	9.0	6.6	0.09	92	0.24	0.02
18207		1.80	29.9	0.77	0.34	<0.05	<0.02	<0.01	0.014	0.07	7.2	0.2	0.01	37	0.26	<0.01
18208		8.72	9.1	1.76	5.51	0.12	0.20	<0.01	0.008	0.63	25.6	28.2	0.58	238	0.77	0.10
18209		8.88	146.0	4.19	1.61	0.16	0.43	0.01	0.042	0.22	23.8	3.2	0.08	40	1.15	0.02
45201		1.53	2.3	0.22	9.39	0.10	0.46	<0.01	<0.005	0.08	28.1	4.0	0.05	216	0.52	0.38
45202		7.76	6.0	2.07	1.79	0.05	0.04	<0.01	0.018	0.12	12.9	8.6	1.13	407	0.35	0.02
45203		2.32	14.7	0.41	18.15	0.12	0.23	<0.01	0.009	0.08	22.9	11.8	0.07	134	0.24	0.27
45204		1.32	18.2	0.26	11.80	0.09	0.16	<0.01	<0.005	0.11	15.3	8.3	0.03	61	0.18	0.32
45205		12.10	66.3	2.67	15.80	0.13	0.21	0.01	0.011	0.29	10.8	38.0	0.72	88	2.20	0.19
45206		4.03	83.2	2.87	7.76	0.10	0.08	<0.01	0.021	0.16	4.9	18.3	1.06	218	0.38	0.31
45207		13.25	218	2.90	8.05	0.15	0.58	0.01	0.013	0.51	20.0	37.0	1.00	125	0.87	0.09



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Page: 2 - C
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
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CERTIFICATE OF ANALYSIS WH13158587

Sample Description	Method Analyte Units LOR	ME-MS41 Nb ppm 0.05	ME-MS41 Ni ppm 0.2	ME-MS41 P ppm 10	ME-MS41 Pb ppm 0.2	ME-MS41 Rb ppm 0.1	ME-MS41 Re ppm 0.001	ME-MS41 S % 0.01	ME-MS41 Sb ppm 0.05	ME-MS41 Sc ppm 0.1	ME-MS41 Se ppm 0.2	ME-MS41 Sn ppm 0.2	ME-MS41 Sr ppm 0.2	ME-MS41 Ta ppm 0.01	ME-MS41 Te ppm 0.01	ME-MS41 Th ppm 0.2
45151		1.05	25.3	290	7.5	164.0	<0.001	0.16	0.17	12.9	0.6	2.3	25.7	0.01	0.02	22.1
45152		0.57	5.0	1040	7.7	3.5	<0.001	0.08	0.34	0.9	0.5	4.1	236	0.02	0.03	15.5
45153		1.36	10.8	1340	11.1	43.3	<0.001	0.09	0.58	3.3	0.8	6.1	35.4	<0.01	0.01	20.9
45154		0.26	36.3	140	13.2	51.4	0.001	1.00	0.54	8.2	1.3	0.5	12.5	<0.01	0.04	13.1
45155		1.08	1.9	460	8.9	26.6	<0.001	0.01	0.77	2.1	0.6	2.1	16.8	<0.01	0.02	18.1
45156		1.99	6.6	710	5.6	21.7	0.002	<0.01	0.52	1.2	0.4	1.9	126.5	0.04	0.03	7.4
45157		0.96	9.6	2330	5.0	3.9	0.005	<0.01	0.60	0.7	0.4	1.0	172.0	0.02	0.02	5.7
45158		3.49	9.2	1370	20.3	41.4	<0.001	<0.01	0.62	1.5	0.8	1.6	57.8	0.01	0.01	23.6
45159		1.21	36.4	1270	2.7	111.0	0.004	1.47	0.66	18.5	2.8	0.7	71.9	0.01	0.09	7.8
45160		1.41	6.4	240	9.4	11.6	<0.001	0.01	0.25	0.8	0.3	1.0	18.2	<0.01	0.01	28.2
18201		1.12	0.7	970	11.0	1.2	0.001	<0.01	1.36	1.3	0.5	3.4	340	0.03	0.02	9.8
18202		0.10	<0.2	30	1.0	1.2	<0.001	0.01	1.04	0.4	0.5	<0.2	884	<0.01	0.03	0.4
18203		1.01	5.9	720	9.7	2.7	<0.001	0.07	0.67	1.3	0.6	2.1	376	0.05	0.02	8.0
18204		0.96	8.5	1230	13.5	12.8	<0.001	0.10	0.72	2.1	0.5	4.7	305	0.03	0.02	9.4
18205		0.06	5.2	540	18.9	4.4	<0.001	0.01	35.2	2.8	0.5	10.3	310	<0.01	0.09	3.1
18206		0.05	5.5	100	3.1	1.5	<0.001	<0.01	0.63	1.0	<0.2	<0.2	2.8	<0.01	0.01	7.0
18207		<0.05	3.9	70	4.7	5.6	<0.001	<0.01	20.0	0.5	<0.2	0.3	1.9	<0.01	0.03	3.7
18208		1.71	7.1	790	8.4	70.5	<0.001	<0.01	0.86	2.3	0.7	2.4	42.6	0.01	0.02	18.3
18209		0.07	6.6	570	45.6	26.5	<0.001	1.48	38.0	3.2	26.7	0.8	36.2	<0.01	3.28	13.9
45201		0.65	0.4	1050	5.3	4.4	<0.001	<0.01	0.32	0.7	0.6	2.4	260	0.02	0.02	10.6
45202		0.14	5.4	310	6.0	10.1	<0.001	0.02	12.15	3.4	0.6	0.6	1015	<0.01	0.02	3.6
45203		0.78	8.7	1070	7.7	5.0	<0.001	0.07	1.10	2.2	0.7	4.1	416	0.02	0.19	10.6
45204		1.37	6.8	950	9.7	3.5	<0.001	0.10	0.65	1.8	0.6	2.8	430	0.05	0.02	7.8
45205		1.14	39.9	1120	7.0	30.7	0.001	1.28	2.49	5.2	1.4	7.2	243	0.04	0.09	7.8
45206		0.33	83.8	500	5.3	10.8	0.001	0.64	11.75	7.5	0.5	1.8	148.5	0.01	0.05	1.2
45207		0.66	5.4	700	7.8	55.2	<0.001	0.45	3.37	7.6	3.6	4.0	39.8	0.01	0.21	16.4



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Page: 2 - D
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Sample Description	Method Analyte Units LOR	ME-MS41 Ti %	ME-MS41 Ti ppm	ME-MS41 U ppm	ME-MS41 V ppm	ME-MS41 W ppm	ME-MS41 Y ppm	ME-MS41 Zn ppm	ME-MS41 Zr ppm
		0.005	0.02	0.05	1	0.05	0.05	2	0.5
45151		0.313	1.51	5.71	83	0.68	7.77	41	4.4
45152		0.067	0.04	3.49	5	1.03	7.71	17	8.5
45153		0.144	0.34	5.85	38	1.43	12.75	23	11.0
45154		0.077	0.59	2.68	41	0.20	5.75	16	2.8
45155		0.054	0.21	5.40	14	0.19	6.05	8	19.6
45156		0.129	0.19	1.58	25	0.77	10.40	12	12.6
45157		0.070	0.04	2.09	17	0.77	10.50	9	5.4
45158		0.200	0.37	2.71	42	1.44	14.75	34	6.1
45159		0.465	1.13	2.79	188	1.36	10.55	44	10.6
45160		0.048	0.11	4.69	11	2.44	3.96	9	11.2
18201		0.084	0.03	2.20	6	96.2	9.78	17	10.6
18202		<0.005	0.02	0.10	1	0.18	2.32	<2	<0.5
18203		0.069	0.04	0.79	3	0.65	7.96	6	2.9
18204		0.073	0.11	1.01	12	0.62	8.35	10	3.1
18205		<0.005	0.06	0.31	9	0.25	7.87	59	1.9
18206		<0.005	0.02	0.64	4	0.05	2.16	8	1.2
18207		<0.005	0.08	0.47	<1	0.14	1.88	6	<0.5
18208		0.196	0.64	7.84	45	7.15	13.30	34	3.0
18209		<0.005	0.27	6.68	6	6.78	7.69	11	13.2
45201		0.096	0.03	1.63	7	0.52	13.40	6	13.6
45202		<0.005	0.12	0.33	7	0.19	7.95	24	1.1
45203		0.114	0.04	1.22	10	0.38	12.55	6	5.9
45204		0.078	0.05	1.03	4	0.36	9.93	11	3.3
45205		0.146	0.41	0.91	39	0.33	7.88	35	6.8
45206		0.133	0.32	0.11	73	0.49	4.51	42	2.1
45207		0.147	0.58	5.85	50	15.45	9.23	15	15.2



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Page: Appendix 1
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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method: Interference: Samples with Ca > 10% on ICP-MS As. ICP-AES As results reported (2 ppm DL)
ME-MS41

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-33 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-ICP22 ME-MS41