Certificate of Analysis
Work Order : SU1700870
[Report File No.: 0000012208]

Date: October 19, 2017

To: **Richard Zemoroz**
NEW AGE METALS INC
3064 Brunet Cres.
Val Caron ON
ON P3N 1E6

P.O. No.: RV2017-0822-RV20170857
Project No.: RIVER VALLEY PGM
Samples: 36
Received: Sep 18, 2017
Pages: Page 1 to 11
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
36	SHIP	Shipping
36	G_WGH79	Weighing of samples and reporting of weights
35	G_PRP92	Weigh, Dry, to 3kg, Crush 90% -2mm, Split to 500g, Pulverise to 85% -75µm
36	GE_FAI313	@Au, Pt, Pd, FAS, ICP-AES, 30g - 5ml
36	GE_ICP14B	2 acid digest for non-organic or low sulphide <10% - ICP-OES

Storage: Pulp & Reject

REJECT STORAGE	:	RETURN
PULP STORAGE	:	RETURN

Comments:

Preparation of samples was performed at the SGS Sudbury site
Assays not suitable for commercial exchange.

Certified By : Sarah Thyret-Auber
Sarah Thyret
Project Coordinator

SGS Minerals Services (Lakefield) is accredited by Standards Council of Canada (SCC) and conforms to the requirements of ISO/IEC 17025 for specific tests as indicated on the scope of accreditation to be found at http://www.scc.ca/en/programs/lab/mineral.shtml

Report Footer:

L.N.R.	= Listed not received	I.S.	= Insufficient Sample
n.a.	= Not applicable	--	= No result

*INF = Composition of this sample makes detection impossible by this method

M after a result denotes ppb to ppm conversion, % denotes ppm to % conversion

Methods marked with an asterisk (e.g. *NAA08V) were subcontracted
Elements marked with the **@** symbol (e.g. @Cu) denote assays performed using accredited test methods

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Element	WtKg	@Au	Pt	Pd	Ag	Al	As	Ba
Method	G_WGH79	GE_FAI313	GE_FAI313	GE_FAI313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.001	1	10	1	2	0.01	3	5
Units	kg	ppb	ppb	ppb	ppm	%	ppm	ppm
RV2017-0822	1.922	3	<10	2	<2	1.55	4	103
RV2017-0823	1.975	3	10	16	<2	2.05	3	109
RV2017-0824	1.602	12	85	185	<2	2.41	4	55
RV2017-0825	0.515	3	<10	<1	<2	0.03	<3	<5
RV2017-0826	2.100	11	73	91	<2	2.70	<3	53
RV2017-0827	1.902	16	103	231	<2	2.48	4	56
RV2017-0828	1.615	5	<10	8	<2	0.98	4	64
RV2017-0829	1.983	18	<10	<1	<2	0.63	<3	47
RV2017-0830	2.144	10	<10	<1	<2	0.62	3	42
RV2017-0831	1.926	7	<10	1	<2	0.80	<3	47
RV2017-0832	2.095	4	<10	2	<2	1.11	5	84
RV2017-0833	1.771	11	15	14	<2	3.30	12	104
RV2017-0834	1.902	10	43	69	<2	4.10	23	68
RV2017-0835	1.592	23	32	27	<2	4.29	8	12
RV2017-0836	2.181	11	24	23	<2	4.19	13	14
RV2017-0837	1.816	3	13	17	<2	3.96	9	24
RV2017-0838	1.973	5	24	29	<2	3.74	19	36
RV2017-0839	1.970	7	43	31	<2	4.21	20	88
RV2017-0840	1.908	10	11	14	<2	3.62	9	12
RV2017-0841	1.915	7	11	12	<2	3.32	5	<5
RV2017-0842	2.181	5	13	17	<2	2.86	4	<5
RV2017-0843	1.817	5	14	19	<2	3.87	8	12
RV2017-0844	2.336	6	<10	18	3	4.22	8	10
RV2017-0845	0.068	85	499	1569	<2	2.53	6	74
RV2017-0846	1.930	14	12	18	<2	4.70	6	9
RV2017-0847	1.789	11	<10	4	<2	2.53	5	25
RV2017-0848	1.720	5	<10	<1	<2	0.92	6	66
RV2017-0849	2.315	3	<10	<1	<2	0.63	4	44
RV2017-0850	2.042	3	<10	<1	<2	0.52	4	45
RV2017-0851	1.822	3	<10	<1	<2	0.52	6	47
RV2017-0852	2.164	4	<10	<1	<2	0.56	5	48
RV2017-0853	1.855	6	<10	<1	<2	0.34	3	58
RV2017-0854	1.680	6	<10	<1	<2	0.45	5	75
RV2017-0855	1.655	3	<10	<1	<2	0.50	<3	41
*Dup RV2017-0855	<0.001	2	<10	<1	<2	0.49	<3	39
RV2017-0856	1.798	5	<10	<1	<2	0.46	5	46
RV2017-0857	2.289	13	<10	<1	<2	0.55	5	64
*Rep RV2017-0830		11	<10	<1				
*Std OREAS-13B		211	198	129				
*Std CDN-PGMS-25		489	424	1849				

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Element	@Au	Pt	Pd	Ag	Al	As	Ba
Method	GE_FAI313	GE_FAI313	GE_FAI313	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	10	1	2	0.01	3	5
Units	ppb	ppb	ppb	ppm	%	ppm	ppm
*Blk BLANK	4	<10	<1				
*Rep RV2017-0823				<2	1.98	5	108
*Std OREAS-902				<2	0.51	578	14
*Std OREAS-901				<2	1.16	75	98
*Blk BLANK				<2	<0.01	<3	<5

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Element	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.5	5	0.01	1	1	1	0.5	0.01
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%
RV2017-0822	<0.5	<5	0.41	<1	16	185	23.2	2.57
RV2017-0823	<0.5	<5	0.78	<1	23	168	61.8	3.24
RV2017-0824	<0.5	<5	1.27	<1	30	106	309	3.46
RV2017-0825	<0.5	<5	0.01	<1	<1	34	5.5	0.49
RV2017-0826	<0.5	<5	1.62	<1	28	68	229	2.98
RV2017-0827	<0.5	<5	1.44	<1	27	86	311	2.92
RV2017-0828	<0.5	<5	0.66	<1	15	38	99.9	1.53
RV2017-0829	<0.5	<5	0.09	<1	18	40	46.9	1.27
RV2017-0830	<0.5	<5	0.18	<1	12	53	25.7	1.36
RV2017-0831	<0.5	<5	0.13	<1	12	42	40.3	1.67
RV2017-0832	<0.5	<5	0.09	<1	19	65	67.5	2.19
RV2017-0833	0.6	<5	0.94	<1	33	51	89.2	5.75
RV2017-0834	<0.5	<5	1.49	<1	41	53	42.7	6.96
RV2017-0835	<0.5	<5	1.47	<1	30	72	30.6	6.93
RV2017-0836	<0.5	<5	1.99	<1	43	73	304	6.74
RV2017-0837	<0.5	<5	2.21	<1	27	57	36.7	5.26
RV2017-0838	<0.5	<5	1.91	<1	37	53	105	5.71
RV2017-0839	<0.5	<5	2.44	<1	43	72	152	6.23
RV2017-0840	<0.5	<5	2.45	<1	41	24	165	4.74
RV2017-0841	<0.5	<5	1.68	<1	37	39	115	4.74
RV2017-0842	<0.5	<5	2.35	<1	26	72	51.7	3.42
RV2017-0843	<0.5	<5	2.62	<1	37	41	56.5	4.62
RV2017-0844	<0.5	<5	2.16	<1	38	29	152	5.32
RV2017-0845	<0.5	<5	1.54	<1	47	151	1388	3.27
RV2017-0846	<0.5	<5	2.20	<1	34	28	50.5	6.68
RV2017-0847	<0.5	<5	1.05	<1	25	54	50.4	3.85
RV2017-0848	<0.5	<5	0.22	<1	13	49	27.9	1.64
RV2017-0849	<0.5	<5	0.43	<1	8	60	24.6	1.25
RV2017-0850	<0.5	<5	0.25	<1	9	42	22.0	1.18
RV2017-0851	<0.5	<5	0.32	<1	8	68	30.3	1.01
RV2017-0852	<0.5	<5	0.24	<1	11	49	31.4	1.25
RV2017-0853	<0.5	<5	0.67	<1	11	52	10.4	0.88
RV2017-0854	<0.5	<5	0.58	<1	13	50	25.3	1.04
RV2017-0855	<0.5	<5	0.90	<1	6	77	33.0	0.99
*Dup RV2017-0855	<0.5	<5	0.89	<1	5	69	32.9	1.06
RV2017-0856	<0.5	<5	0.71	<1	9	54	36.9	1.06
RV2017-0857	<0.5	<5	0.60	<1	13	59	35.6	1.18

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Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.5	5	0.01	1	1	1	0.5	0.01
Units	ppm	ppm	%	ppm	ppm	ppm	ppm	%
*Rep RV2017-0823	<0.5	<5	0.74	<1	22	167	59.8	3.16
*Std OREAS-902	1.1	9	3.97	7	948	23	3099	2.96
*Std OREAS-901	5.2	<5	0.09	<1	78	27	1517	3.86
*Blk BLANK	<0.5	<5	<0.01	<1	<1	<1	<0.5	<0.01

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Element	Hg	K	La	Li	Mg	Mn	Mo	Na
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	0.01	0.5	1	0.01	2	1	0.01
Units	ppm	%	ppm	ppm	%	ppm	ppm	%
RV2017-0822	<1	0.29	19.3	21	1.61	367	<1	0.07
RV2017-0823	<1	0.40	20.0	26	1.96	438	1	0.11
RV2017-0824	<1	0.75	7.7	22	2.03	453	1	0.21
RV2017-0825	<1	<0.01	1.7	<1	<0.01	52	3	<0.01
RV2017-0826	<1	0.36	1.4	17	1.75	424	<1	0.29
RV2017-0827	<1	0.45	3.4	19	1.87	394	<1	0.23
RV2017-0828	<1	0.27	11.0	19	0.69	206	1	0.04
RV2017-0829	<1	0.25	5.2	9	0.35	122	2	0.01
RV2017-0830	<1	0.18	8.3	9	0.36	142	2	0.01
RV2017-0831	<1	0.24	6.9	10	0.42	162	2	<0.01
RV2017-0832	<1	0.31	6.2	14	0.68	219	2	0.02
RV2017-0833	<1	0.37	9.0	56	2.91	679	1	0.02
RV2017-0834	<1	0.32	3.1	71	3.43	938	<1	0.03
RV2017-0835	<1	0.09	3.8	57	3.32	965	<1	0.03
RV2017-0836	<1	0.14	3.8	50	3.21	846	<1	0.06
RV2017-0837	<1	0.16	1.9	39	2.44	716	<1	0.06
RV2017-0838	<1	0.29	1.8	51	2.76	808	<1	0.07
RV2017-0839	<1	0.55	2.5	58	3.10	928	<1	0.10
RV2017-0840	<1	0.08	2.1	43	2.66	692	<1	0.04
RV2017-0841	<1	0.05	1.5	40	2.59	686	<1	0.03
RV2017-0842	<1	0.03	2.2	29	1.77	530	<1	0.04
RV2017-0843	<1	0.07	1.4	45	2.58	698	<1	0.04
RV2017-0844	<1	0.07	1.2	53	3.13	791	<1	0.03
RV2017-0845	<1	0.21	4.6	11	2.28	289	<1	0.31
RV2017-0846	<1	0.11	1.3	68	3.57	937	<1	0.03
RV2017-0847	<1	0.21	4.4	42	1.81	512	1	0.09
RV2017-0848	<1	0.49	8.4	17	0.55	203	2	0.02
RV2017-0849	<1	0.29	6.2	13	0.39	176	2	0.02
RV2017-0850	<1	0.27	9.3	10	0.32	134	2	0.02
RV2017-0851	<1	0.28	16.1	9	0.31	126	2	0.02
RV2017-0852	<1	0.21	6.3	13	0.40	158	2	0.02
RV2017-0853	<1	0.13	4.4	5	0.20	126	20	0.02
RV2017-0854	<1	0.21	5.2	5	0.19	141	28	0.02
RV2017-0855	<1	0.11	6.2	5	0.20	157	6	0.03
*Dup RV2017-0855	<1	0.11	5.9	5	0.21	165	6	0.03
RV2017-0856	<1	0.16	6.3	5	0.23	163	3	0.02
RV2017-0857	<1	0.26	6.1	7	0.28	160	3	0.02

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Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	0.01	0.5	1	0.01	2	1	0.01
Units	ppm	%	ppm	ppm	%	ppm	ppm	%
*Rep RV2017-0823	<1	0.39	19.4	24	1.90	428	1	0.11
*Std OREAS-902	<1	0.25	14.0	4	2.18	477	11	<0.01
*Std OREAS-901	<1	0.58	36.4	4	0.15	322	3	0.01
*Blk BLANK	<1	<0.01	<0.5	<1	<0.01	<2	<1	<0.01

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Element	Ni	P	Pb	S	Sb	Sc	Sn	Sr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	0.01	2	0.01	5	0.5	10	0.5
Units	ppm	%	ppm	%	ppm	ppm	ppm	ppm
RV2017-0822	81	0.02	7	0.08	<5	6.2	<10	56.6
RV2017-0823	95	0.02	10	0.15	<5	7.5	<10	74.4
RV2017-0824	100	0.02	9	0.11	<5	7.6	<10	58.1
RV2017-0825	4	<0.01	<2	<0.01	<5	<0.5	<10	2.5
RV2017-0826	82	0.01	5	0.07	<5	6.3	<10	64.0
RV2017-0827	105	0.02	6	0.08	<5	6.5	<10	65.2
RV2017-0828	32	0.01	6	0.05	<5	2.2	<10	16.5
RV2017-0829	30	0.01	4	0.09	<5	0.9	<10	4.4
RV2017-0830	21	0.01	3	0.05	<5	0.9	<10	3.6
RV2017-0831	32	0.01	4	0.16	<5	0.9	<10	3.7
RV2017-0832	39	0.02	5	0.24	<5	1.9	<10	4.5
RV2017-0833	58	0.03	5	0.04	<5	11.5	<10	35.1
RV2017-0834	83	0.02	5	0.02	<5	9.1	<10	53.3
RV2017-0835	65	0.02	5	0.01	<5	9.7	<10	82.6
RV2017-0836	78	0.03	7	0.15	<5	11.8	<10	89.1
RV2017-0837	51	0.01	6	0.02	<5	8.4	<10	123
RV2017-0838	72	0.02	6	0.09	<5	8.5	<10	62.4
RV2017-0839	100	0.02	7	0.14	<5	10.4	<10	56.7
RV2017-0840	101	0.02	6	0.02	<5	4.5	<10	99.0
RV2017-0841	104	0.02	5	0.02	<5	3.7	<10	83.1
RV2017-0842	55	0.02	5	<0.01	<5	5.1	<10	97.6
RV2017-0843	94	0.01	5	<0.01	<5	4.7	<10	110
RV2017-0844	118	0.01	6	0.02	<5	4.5	<10	111
RV2017-0845	362	0.01	8	0.39	<5	6.8	<10	54.9
RV2017-0846	132	0.01	6	0.03	<5	5.2	<10	105
RV2017-0847	76	0.01	23	0.18	<5	5.2	<10	53.0
RV2017-0848	34	0.02	15	0.22	<5	2.9	<10	15.9
RV2017-0849	23	0.01	18	0.13	<5	2.2	<10	19.9
RV2017-0850	24	0.01	13	0.18	<5	1.9	<10	22.2
RV2017-0851	23	0.01	13	0.08	<5	2.3	<10	43.7
RV2017-0852	27	<0.01	12	0.18	<5	2.4	<10	30.6
RV2017-0853	24	<0.01	3	0.18	<5	1.4	<10	66.5
RV2017-0854	22	<0.01	8	0.21	<5	2.0	<10	64.1
RV2017-0855	17	<0.01	6	0.08	<5	1.6	<10	124
*Dup RV2017-0855	16	<0.01	6	0.07	<5	1.6	<10	117
RV2017-0856	18	<0.01	18	0.10	<5	1.7	<10	88.7
RV2017-0857	26	<0.01	7	0.20	<5	2.2	<10	66.7

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Element	Ni	P	Pb	S	Sb	Sc	Sn	Sr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	1	0.01	2	0.01	5	0.5	10	0.5
Units	ppm	%	ppm	%	ppm	ppm	ppm	ppm
*Rep RV2017-0823	94	0.02	9	0.14	<5	7.3	<10	71.1
*Std OREAS-902	158	0.07	10	1.77	<5	2.7	<10	20.2
*Std OREAS-901	36	0.07	17	0.04	<5	5.9	<10	23.3
*Blk BLANK	<1	<0.01	<2	<0.01	<5	<0.5	<10	<0.5

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Element	Ti	V	W	Y	Zn	Zr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	1	10	0.5	1	0.5
Units	%	ppm	ppm	ppm	ppm	ppm
RV2017-0822	0.14	49	<10	5.4	51	2.1
RV2017-0823	0.15	62	<10	6.0	58	2.2
RV2017-0824	0.12	57	<10	4.9	118	2.8
RV2017-0825	<0.01	<1	<10	<0.5	2	1.2
RV2017-0826	0.11	43	<10	2.8	49	1.8
RV2017-0827	0.08	39	<10	3.3	51	2.1
RV2017-0828	0.04	13	<10	5.6	65	7.9
RV2017-0829	0.01	4	<10	3.2	89	9.5
RV2017-0830	0.01	4	<10	4.0	67	12.4
RV2017-0831	0.01	5	<10	3.6	51	9.1
RV2017-0832	0.01	11	<10	5.6	47	14.4
RV2017-0833	0.08	69	<10	9.6	73	10.1
RV2017-0834	0.11	65	<10	5.8	88	0.8
RV2017-0835	0.14	80	<10	5.0	86	<0.5
RV2017-0836	0.28	141	<10	6.5	83	1.1
RV2017-0837	0.18	85	<10	3.5	67	0.6
RV2017-0838	0.16	75	<10	4.0	75	1.4
RV2017-0839	0.19	86	<10	5.0	86	3.3
RV2017-0840	0.24	73	<10	3.8	70	1.9
RV2017-0841	0.13	37	<10	2.6	67	1.1
RV2017-0842	0.21	49	<10	3.9	49	2.2
RV2017-0843	0.21	61	<10	2.7	64	1.1
RV2017-0844	0.15	43	<10	2.3	80	0.6
RV2017-0845	0.06	41	<10	2.0	55	1.5
RV2017-0846	0.15	48	<10	2.6	77	0.6
RV2017-0847	0.10	35	<10	4.8	129	5.5
RV2017-0848	0.10	16	<10	6.1	109	12.1
RV2017-0849	0.06	12	<10	5.2	206	7.9
RV2017-0850	0.06	10	<10	4.8	185	7.5
RV2017-0851	0.08	11	<10	4.7	40	6.6
RV2017-0852	0.05	13	<10	4.3	64	7.7
RV2017-0853	0.05	7	<10	4.0	6	4.2
RV2017-0854	0.07	10	<10	4.1	23	5.7
RV2017-0855	0.06	10	<10	5.4	11	4.4
*Dup RV2017-0855	0.06	9	<10	5.1	10	4.2
RV2017-0856	0.07	10	<10	4.9	39	5.0
RV2017-0857	0.09	11	<10	4.2	31	6.8

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Element	Ti	V	W	Y	Zn	Zr
Method	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B	GE_ICP14B
Det.Lim.	0.01	1	10	0.5	1	0.5
Units	%	ppm	ppm	ppm	ppm	ppm
*Rep RV2017-0823	0.15	61	<10	5.7	55	2.1
*Std OREAS-902	<0.01	9	<10	7.4	6	13.3
*Std OREAS-901	0.01	23	<10	21.1	21	29.7
*Blk BLANK	<0.01	<1	<10	<0.5	<1	<0.5

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