Certificate of Analysis
Work Order : SU1700787
[Report File No.: 0000011680]

Date: September 12, 2017

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

P.O. No.: -
Project No.: RIVER VALLEY PGM
Samples: 39
Received: Aug 24, 2017
Pages: Page 1 to 11
(Inclusive of Cover Sheet)

Methods Summary

No. Of Samples	Method Code	Description
39	SHIP	Shipping
39	G_WGH79	Weighing of samples and reporting of weights
38	G_PRP92	Weigh, Dry, to 3kg, Crush 90% -2mm, Split to 500g, Pulverise to 85% -75µm
39	GE_FAI313	@Au, Pt, Pd, FAS, ICP-AES, 30g - 5ml
39	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
RV2017-0623	2.270	<1	<10	<1	<2	1.48	3	179
RV2017-0624	2.281	<1	<10	2	<2	2.13	3	216
RV2017-0625	0.989	<1	<10	<1	<2	0.04	<3	<5
RV2017-0626	2.292	<1	<10	3	<2	2.33	<3	180
RV2017-0627	2.309	4	26	47	<2	1.33	<3	76
RV2017-0628	2.429	26	184	494	<2	1.49	3	95
RV2017-0629	2.359	93	325	992	<2	3.07	<3	179
RV2017-0630	2.518	82	228	700	<2	3.08	<3	146
RV2017-0631	2.340	108	342	984	<2	3.03	<3	253
RV2017-0632	2.641	74	487	1645	<2	3.05	<3	84
RV2017-0633	2.571	197	961	2604	<2	3.19	3	41
RV2017-0634	2.503	42	234	645	<2	2.55	<3	57
RV2017-0635	2.466	18	55	115	<2	2.49	<3	34
RV2017-0636	2.554	9	29	57	<2	2.21	<3	60
RV2017-0637	2.376	9	35	80	<2	2.44	<3	46
RV2017-0638	2.668	14	73	194	<2	2.50	<3	41
RV2017-0639	2.678	22	138	344	<2	2.92	<3	33
RV2017-0640	2.710	5	31	49	<2	3.38	<3	42
RV2017-0641	2.529	2	18	20	<2	3.46	<3	65
RV2017-0642	2.668	6	33	40	<2	3.68	4	63
RV2017-0643	2.668	3	28	29	<2	3.29	<3	53
RV2017-0644	2.396	3	21	24	<2	3.60	<3	53
RV2017-0645	0.070	50	238	638	<2	1.76	<3	54
RV2017-0646	2.670	2	19	20	<2	3.37	5	69
RV2017-0647	2.251	2	<10	1	<2	0.83	4	65
RV2017-0648	2.574	2	<10	<1	<2	0.69	6	64
RV2017-0649	2.434	4	<10	<1	<2	0.76	5	83
RV2017-0650	2.453	19	<10	<1	<2	0.80	5	68
RV2017-0651	2.611	7	<10	<1	<2	0.72	<3	65
RV2017-0652	2.343	34	<10	1	<2	0.65	3	44
RV2017-0653	2.416	42	<10	<1	<2	0.64	6	26
RV2017-0654	2.477	9	<10	<1	<2	0.56	<3	18
RV2017-0655	2.494	9	<10	1	<2	0.71	6	54
RV2017-0656	2.209	3	<10	<1	<2	0.63	3	36
*Dup RV2017-0656	<0.001	3	<10	<1	<2	0.65	<3	39
RV2017-0657	2.435	6	<10	<1	<2	0.77	3	36
RV2017-0658	2.267	13	<10	2	<2	1.15	11	60
RV2017-0659	1.948	23	<10	3	<2	1.95	23	87
RV2017-0660	2.211	11	<10	4	<2	2.08	24	93
RV2017-0661	1.799	9	<10	4	<2	1.93	24	85

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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
*Rep RV2017-0635	16	52	113				
*Rep RV2017-0624				<2	2.16	3	215

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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	%
RV2017-0623	<0.5	<5	0.92	<1	18	107	25.5	2.69
RV2017-0624	<0.5	<5	0.95	<1	23	112	57.9	3.65
RV2017-0625	<0.5	<5	0.01	<1	<1	83	3.1	0.30
RV2017-0626	<0.5	<5	0.78	<1	27	219	74.0	4.02
RV2017-0627	<0.5	<5	0.69	<1	12	71	104	1.92
RV2017-0628	<0.5	<5	0.51	<1	19	71	578	2.40
RV2017-0629	<0.5	<5	1.00	<1	33	96	1021	3.77
RV2017-0630	<0.5	<5	1.07	<1	31	85	938	3.39
RV2017-0631	<0.5	<5	0.89	<1	42	90	1127	4.11
RV2017-0632	<0.5	<5	0.96	<1	47	121	1107	4.34
RV2017-0633	<0.5	<5	1.71	<1	42	82	2246	3.17
RV2017-0634	<0.5	<5	1.45	<1	26	72	897	2.65
RV2017-0635	<0.5	<5	1.48	<1	23	69	460	2.58
RV2017-0636	<0.5	<5	1.31	<1	23	69	358	2.76
RV2017-0637	<0.5	<5	1.63	<1	19	56	263	2.12
RV2017-0638	<0.5	<5	1.29	<1	28	229	304	3.10
RV2017-0639	<0.5	<5	1.40	<1	37	108	483	3.82
RV2017-0640	<0.5	<5	1.70	<1	42	70	126	4.43
RV2017-0641	<0.5	<5	2.45	<1	17	54	94.9	2.45
RV2017-0642	<0.5	<5	2.36	<1	23	37	108	3.19
RV2017-0643	<0.5	<5	2.00	<1	27	65	94.1	3.55
RV2017-0644	<0.5	<5	2.00	<1	31	54	71.6	4.13
RV2017-0645	<0.5	<5	1.03	<1	47	159	1284	3.11
RV2017-0646	<0.5	<5	1.79	<1	29	53	77.5	3.66
RV2017-0647	<0.5	<5	0.17	<1	15	51	80.9	1.06
RV2017-0648	<0.5	<5	0.13	<1	18	53	42.9	1.00
RV2017-0649	<0.5	<5	0.10	<1	13	52	20.7	0.99
RV2017-0650	<0.5	<5	0.08	<1	18	65	19.0	1.23
RV2017-0651	<0.5	<5	0.10	<1	13	53	17.8	1.10
RV2017-0652	<0.5	<5	0.08	<1	10	49	17.3	1.00
RV2017-0653	<0.5	<5	0.06	<1	23	52	47.6	1.55
RV2017-0654	<0.5	<5	0.09	<1	12	59	32.5	1.31
RV2017-0655	<0.5	<5	0.15	<1	10	50	20.0	1.05
RV2017-0656	<0.5	<5	0.07	<1	10	45	23.1	1.16
*Dup RV2017-0656	<0.5	<5	0.08	<1	10	48	22.0	1.19
RV2017-0657	<0.5	<5	0.08	<1	13	61	51.6	1.74
RV2017-0658	<0.5	<5	0.15	<1	18	51	43.9	2.10
RV2017-0659	0.5	<5	0.37	<1	25	59	33.8	3.48
RV2017-0660	<0.5	<5	0.31	2	29	57	41.0	3.66
RV2017-0661	<0.5	<5	0.23	2	28	53	39.5	3.29

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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	%
*Rep RV2017-0624	<0.5	<5	0.96	<1	24	116	59.6	3.67

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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	%
RV2017-0623	<1	0.30	14.4	15	1.40	308	<1	0.14
RV2017-0624	<1	0.39	38.7	20	1.88	413	<1	0.13
RV2017-0625	<1	0.02	2.7	<1	<0.01	25	2	<0.01
RV2017-0626	<1	0.41	34.5	22	2.08	464	<1	0.14
RV2017-0627	<1	0.57	10.8	10	0.99	228	2	0.17
RV2017-0628	<1	0.53	10.5	13	1.40	262	1	0.14
RV2017-0629	<1	0.75	3.1	24	2.50	387	<1	0.27
RV2017-0630	<1	0.53	3.2	22	2.15	353	<1	0.30
RV2017-0631	<1	0.87	7.1	22	2.41	413	<1	0.22
RV2017-0632	<1	0.33	1.9	23	2.76	478	<1	0.16
RV2017-0633	<1	0.18	1.2	19	1.98	349	<1	0.37
RV2017-0634	<1	0.23	1.6	16	1.68	318	<1	0.34
RV2017-0635	<1	0.13	1.1	21	1.66	341	<1	0.29
RV2017-0636	<1	0.25	6.0	24	1.64	355	<1	0.25
RV2017-0637	<1	0.18	3.9	17	1.31	295	<1	0.35
RV2017-0638	<1	0.40	6.1	20	2.10	390	<1	0.23
RV2017-0639	<1	0.46	3.1	21	2.54	453	<1	0.23
RV2017-0640	<1	0.27	1.3	21	2.83	530	<1	0.28
RV2017-0641	<1	0.28	1.7	17	1.29	342	<1	0.36
RV2017-0642	<1	0.28	1.4	21	1.78	418	<1	0.35
RV2017-0643	<1	0.31	1.3	22	2.06	473	<1	0.39
RV2017-0644	<1	0.30	1.8	29	2.42	522	<1	0.27
RV2017-0645	<1	0.16	2.5	9	2.37	284	<1	0.16
RV2017-0646	<1	0.45	3.6	28	2.12	469	<1	0.29
RV2017-0647	<1	0.47	7.8	15	0.43	108	1	0.02
RV2017-0648	<1	0.38	5.8	13	0.35	99	2	0.01
RV2017-0649	<1	0.47	7.3	11	0.33	95	2	0.02
RV2017-0650	<1	0.39	9.0	12	0.44	114	2	0.02
RV2017-0651	<1	0.40	8.1	10	0.33	97	2	0.02
RV2017-0652	<1	0.30	3.2	8	0.32	86	2	<0.01
RV2017-0653	<1	0.18	8.7	10	0.39	125	2	0.02
RV2017-0654	<1	0.15	7.1	9	0.35	112	2	<0.01
RV2017-0655	<1	0.31	6.5	11	0.31	84	2	0.01
RV2017-0656	<1	0.23	7.5	9	0.35	94	2	<0.01
*Dup RV2017-0656	<1	0.24	7.8	9	0.35	99	2	<0.01
RV2017-0657	<1	0.19	10.5	10	0.50	149	2	0.01
RV2017-0658	<1	0.31	15.3	14	0.71	183	2	<0.01
RV2017-0659	<1	0.38	48.4	25	1.35	330	3	0.02
RV2017-0660	<1	0.35	29.3	26	1.46	402	3	0.01
RV2017-0661	<1	0.33	29.7	22	1.34	363	2	0.02

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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	%
*Rep RV2017-0624	<1	0.40	39.7	20	1.91	416	<1	0.12

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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
RV2017-0623	51	0.13	3	0.15	<5	4.3	<10	95.7
RV2017-0624	62	0.11	6	0.26	<5	4.2	<10	127
RV2017-0625	4	<0.01	<2	<0.01	<5	<0.5	<10	4.9
RV2017-0626	112	0.02	5	0.26	<5	6.4	<10	117
RV2017-0627	41	0.03	5	0.03	<5	4.8	<10	54.7
RV2017-0628	108	0.03	6	0.10	<5	4.1	<10	27.5
RV2017-0629	184	<0.01	3	0.16	<5	4.1	<10	67.7
RV2017-0630	184	<0.01	<2	0.16	<5	3.5	<10	81.4
RV2017-0631	240	0.02	2	0.28	<5	4.3	<10	57.0
RV2017-0632	287	<0.01	<2	0.22	<5	4.2	<10	47.4
RV2017-0633	324	<0.01	6	0.37	<5	5.0	<10	95.8
RV2017-0634	152	<0.01	5	0.20	<5	6.2	<10	78.0
RV2017-0635	86	<0.01	<2	0.08	<5	5.6	<10	64.2
RV2017-0636	74	0.01	5	0.10	<5	6.2	<10	57.4
RV2017-0637	64	<0.01	7	0.07	<5	6.6	<10	99.7
RV2017-0638	153	0.02	5	0.11	<5	7.4	<10	84.5
RV2017-0639	183	0.01	5	0.13	<5	6.7	<10	69.9
RV2017-0640	159	<0.01	4	0.04	<5	6.6	<10	65.7
RV2017-0641	41	0.02	5	0.02	<5	5.2	<10	89.5
RV2017-0642	62	0.01	3	0.02	<5	6.0	<10	86.0
RV2017-0643	74	0.02	2	0.02	<5	6.4	<10	61.6
RV2017-0644	87	0.02	2	0.05	<5	6.7	<10	76.4
RV2017-0645	329	<0.01	<2	0.34	<5	7.0	<10	26.7
RV2017-0646	77	0.02	4	0.05	<5	7.3	<10	69.9
RV2017-0647	31	0.02	14	0.12	<5	2.0	<10	10.7
RV2017-0648	35	0.02	11	0.19	<5	1.7	<10	8.0
RV2017-0649	23	0.02	9	0.12	<5	1.5	<10	6.7
RV2017-0650	29	0.01	6	0.17	<5	1.5	<10	7.0
RV2017-0651	29	0.01	6	0.17	<5	1.5	<10	7.1
RV2017-0652	25	0.02	5	0.15	<5	1.0	<10	4.3
RV2017-0653	39	0.01	6	0.37	<5	1.1	<10	4.7
RV2017-0654	30	0.02	7	0.23	<5	1.2	<10	5.5
RV2017-0655	26	0.02	8	0.17	<5	1.9	<10	7.8
RV2017-0656	26	0.01	8	0.18	<5	1.0	<10	4.6
*Dup RV2017-0656	28	0.01	9	0.18	<5	1.0	<10	4.8
RV2017-0657	29	0.01	6	0.22	<5	1.0	<10	4.5
RV2017-0658	51	0.03	12	0.26	<5	1.9	<10	4.5
RV2017-0659	77	0.04	25	0.36	<5	3.4	<10	6.4
RV2017-0660	80	0.04	29	0.13	<5	2.9	<10	5.1
RV2017-0661	75	0.04	5	0.09	<5	2.6	<10	5.0

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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 RV2017-0624	63	0.11	5	0.26	<5	4.3	<10	128

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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
RV2017-0623	0.14	43	<10	5.4	49	1.9
RV2017-0624	0.16	64	<10	3.0	74	1.7
RV2017-0625	<0.01	<1	<10	<0.5	<1	2.4
RV2017-0626	0.17	83	<10	2.5	67	1.9
RV2017-0627	0.10	32	<10	9.4	28	8.7
RV2017-0628	0.09	29	<10	8.5	34	5.7
RV2017-0629	0.08	36	<10	2.1	53	3.7
RV2017-0630	0.07	29	<10	1.8	44	2.5
RV2017-0631	0.12	40	<10	3.3	53	6.5
RV2017-0632	0.06	29	<10	1.5	54	1.5
RV2017-0633	0.06	26	<10	1.8	106	1.1
RV2017-0634	0.06	31	<10	1.9	37	1.5
RV2017-0635	0.07	30	<10	1.6	33	0.7
RV2017-0636	0.09	37	<10	3.7	30	4.2
RV2017-0637	0.07	32	<10	3.2	33	3.0
RV2017-0638	0.10	43	<10	3.1	44	1.9
RV2017-0639	0.08	42	<10	3.0	55	2.4
RV2017-0640	0.09	44	<10	2.5	56	1.1
RV2017-0641	0.12	44	<10	3.0	40	1.7
RV2017-0642	0.14	57	<10	3.0	49	1.6
RV2017-0643	0.13	53	<10	2.9	53	2.4
RV2017-0644	0.15	58	<10	3.5	59	2.3
RV2017-0645	0.05	33	<10	1.4	38	1.4
RV2017-0646	0.13	54	<10	4.1	70	3.8
RV2017-0647	0.06	10	<10	4.6	75	11.3
RV2017-0648	0.04	8	<10	4.2	61	14.2
RV2017-0649	0.04	7	<10	4.2	36	10.9
RV2017-0650	0.02	7	<10	5.2	34	10.5
RV2017-0651	0.04	7	<10	4.9	21	11.7
RV2017-0652	0.02	5	<10	4.2	23	12.6
RV2017-0653	0.01	5	<10	5.0	19	8.1
RV2017-0654	0.02	5	<10	4.3	17	8.0
RV2017-0655	0.06	7	<10	6.1	15	15.1
RV2017-0656	0.02	4	<10	5.2	16	10.7
*Dup RV2017-0656	0.02	4	<10	5.2	17	10.4
RV2017-0657	0.02	5	<10	6.0	19	7.4
RV2017-0658	0.07	10	<10	8.7	55	21.4
RV2017-0659	0.12	21	<10	16.8	160	40.9
RV2017-0660	0.07	23	<10	11.9	513	42.6
RV2017-0661	0.02	22	<10	8.6	591	39.0

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Final : SU1700787 Order:

Report File No.: 0000011680

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 RV2017-0624	0.16	66	<10	3.1	72	1.3

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