ALS Canada Ltd.

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

To: **NORTHGATE MINERALS - YOUNG DAVIDSON MINE**
PO BOX 187
MATACHEWAN ON P0K 1M0

Finalized Date: 15-OCT-2010
Account: NORTEX

CERTIFICATE TM10138978

Project: 1916

P.O. No.: 10-106

This report is for 112 Drill Core samples submitted to our lab in Timmins, ON, Canada on 27-SEP-2010.

The following have access to data associated with this certificate:

CARL EDMUNDS TOM WADEY	JIM JANZEN YOUNG DAVIDSON WEBTRIEVE	RON KONST

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
BAG-01	Bulk Master for Storage
LOG-22	Sample login - Rcd w/o BarCode
LOG-21d	Sample logging - ClientBarCode Dup
SPL-21d	Split sample - duplicate
PUL-32d	Pulverize Split -Dup 85% <75um
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32	Pulverize 1000g to 85% < 75 um
LOG-24	Pulp Login - Rcd w/o Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-AA26	Ore Grade Au 50g FA AA finish	AAS
ME-ICP61	33 element four acid ICP-AES	ICP-AES

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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.

Signature:
Colin Ramshaw, Vancouver Laboratory Manager

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CERTIFICATE OF ANALYSIS TM10138978

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
M64615		3.59	<0.01	<0.5	7.79	18	770	1.7	<2	5.71	<0.5	49	51	123	7.10	20
M64616		3.76	0.01	<0.5	7.52	<5	360	3.4	<2	6.03	<0.5	20	33	49	5.14	20
M64617		3.75	<0.01	<0.5	7.81	<5	690	3.8	<2	5.17	<0.5	19	32	66	5.33	20
M64618		2.97	<0.01	<0.5	7.91	6	1090	4.3	<2	4.21	<0.5	20	32	72	5.18	20
M64619		3.14	<0.01	<0.5	6.16	17	1820	4.7	<2	6.73	<0.5	36	371	91	6.51	20
M64620		3.55	<0.01	<0.5	7.94	<5	1010	3.4	<2	4.21	<0.5	18	34	55	5.52	20
M64621		0.42	<0.01	<0.5	2.92	6	90	0.6	<2	41.2	<0.5	7	35	94	1.58	10
M64622		3.87	0.36	<0.5	7.88	9	880	3.7	<2	5.28	<0.5	18	35	52	5.25	20
M64623		5.21	0.54	<0.5	8.40	<5	850	4.2	<2	4.13	<0.5	19	37	64	5.35	30
M64624		2.10	<0.01	<0.5	6.83	12	970	2.6	<2	2.68	<0.5	42	32	165	9.42	20
M64625		1.89	0.01	0.7	6.61	18	840	3.1	2	5.23	<0.5	34	443	25	5.00	20
M64626		1.35	0.02	<0.5	6.67	<5	700	2.5	3	2.54	<0.5	13	93	16	3.73	20
M64627		1.61	0.13	0.8	6.97	6	90	2.3	4	2.71	<0.5	16	102	33	6.20	20
M64628		2.29	0.01	4.9	7.19	6	1310	2.5	10	3.98	<0.5	15	100	38	3.64	20
M64629		1.54	0.01	1.1	7.49	9	2230	2.4	3	3.21	<0.5	16	97	52	4.50	20
M64630		2.57	<0.01	<0.5	7.52	<5	1280	0.5	2	4.71	<0.5	46	126	197	8.69	20
M64631		2.50	0.01	<0.5	6.41	<5	590	2.5	4	5.31	<0.5	51	651	46	7.35	20
M64632		2.45	0.03	1.1	6.16	<5	600	4.8	6	5.59	<0.5	54	615	145	7.10	20
M64633		2.02	0.03	0.6	6.94	<5	510	5.2	3	3.84	<0.5	53	687	44	7.06	20
M64634		2.34	0.01	0.6	7.89	<5	1070	3.9	5	4.07	<0.5	22	138	46	5.17	20
M64635		1.44	<0.01	0.7	7.65	<5	2690	4.5	<2	4.65	0.8	19	76	33	5.26	20
M64636		1.57	0.01	1.0	7.46	<5	1900	3.8	2	3.65	<0.5	25	182	46	5.05	20
M64637		1.51	<0.01	<0.5	6.28	<5	960	4.8	3	5.08	0.5	43	573	72	5.16	20
M64638		2.14	0.01	<0.5	7.55	<5	1810	3.5	<2	2.88	<0.5	22	97	102	4.79	20
M64639		2.12	0.10	<0.5	7.60	<5	2200	3.8	<2	3.23	<0.5	17	105	24	4.70	20
M64640		2.22	0.11	0.7	7.37	<5	1800	3.8	<2	3.74	<0.5	24	80	34	4.40	20
M64641		0.10	5.84	0.6	7.01	13	190	2.3	6	1.57	<0.5	14	49	24	5.07	20
M64642		1.88	0.01	<0.5	7.58	<5	1980	3.5	<2	3.98	<0.5	17	105	23	4.60	20
M64643		1.70	0.03	0.5	7.51	<5	2610	4.2	2	2.54	<0.5	15	52	44	4.00	20
M64644		1.71	0.16	0.7	7.23	<5	1060	3.4	3	3.20	<0.5	18	47	68	3.94	20
M64645		2.16	0.01	<0.5	7.38	<5	2660	3.0	3	3.52	<0.5	15	50	79	3.89	20
M64646		2.28	0.01	<0.5	7.34	<5	2580	3.1	3	3.64	<0.5	15	46	97	4.00	20
M64647		2.23	0.01	1.1	7.24	<5	2850	3.6	3	3.80	<0.5	15	44	42	3.86	20
M64648		2.04	<0.01	0.7	7.53	<5	1880	2.9	<2	4.11	<0.5	18	131	33	3.58	20
M64649		2.47	0.04	0.8	7.72	<5	3320	4.2	3	3.71	<0.5	13	96	17	4.08	20
M64650		2.23	0.06	0.5	7.51	<5	3250	3.8	3	3.91	0.6	13	68	19	3.86	20
M64651		2.06	0.09	<0.5	7.38	<5	3430	3.9	<2	3.34	<0.5	16	95	29	3.95	20
M64652		3.88	0.01	0.7	7.49	<5	2240	3.1	3	4.48	<0.5	14	42	47	4.02	20
M64653		2.20	0.01	1.0	7.86	<5	2870	3.6	3	4.65	1.3	17	39	24	4.32	20
M64654		1.81	0.01	0.5	7.64	<5	2770	3.6	<2	3.74	0.5	14	34	15	4.06	20

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CERTIFICATE OF ANALYSIS TM10138978

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10	0.01
M64615		1.57	<10	3.17	1680	<1	2.30	64	370	5	0.32	<5	44	324	<10	0.54
M64616		0.77	40	2.12	1070	<1	4.05	14	2400	26	0.08	<5	13	470	<10	0.52
M64617		1.64	40	2.27	1045	<1	3.87	14	2500	23	0.07	<5	13	660	<10	0.53
M64618		2.39	40	2.66	973	<1	3.70	14	2500	35	0.07	<5	13	677	<10	0.52
M64619		2.88	160	7.15	1610	<1	0.81	226	7260	51	0.04	<5	21	1420	<10	0.68
M64620		1.78	50	2.45	855	<1	4.04	14	2580	16	0.04	<5	13	690	<10	0.57
M64621		0.78	180	1.35	317	4	0.19	60	1070	6	1.7	<5	4	2140	<10	0.15
M64622		1.66	50	2.20	808	<1	3.69	18	3160	9	0.47	<5	13	688	<10	0.53
M64623		1.66	40	2.48	901	<1	4.45	17	2700	8	0.16	<5	13	673	<10	0.59
M64624		1.71	30	4.08	1485	1	1.67	36	970	41	0.29	<5	35	185	<10	0.90
M64625		1.15	50	4.69	912	6	2.61	351	1130	55	2.02	<5	16	493	<10	0.24
M64626		2.39	40	1.69	516	3	3.17	29	1090	60	2.22	<5	10	493	<10	0.19
M64627		2.69	50	1.43	468	7	3.18	38	1330	154	5.40	<5	10	474	<10	0.20
M64628		3.34	90	2.01	646	19	2.72	42	1440	1050	1.32	<5	10	334	<10	0.20
M64629		3.35	100	2.43	715	22	2.69	38	1370	398	1.10	<5	14	438	<10	0.31
M64630		3.76	20	4.54	1460	<1	1.02	112	390	15	0.09	<5	31	537	10	0.50
M64631		1.12	40	6.79	1625	2	2.02	426	1580	35	0.36	<5	23	378	<10	0.43
M64632		1.35	40	7.15	1700	2	1.84	440	1500	66	0.75	<5	24	620	<10	0.48
M64633		1.75	40	6.43	1460	3	2.16	449	1490	48	0.65	<5	25	466	<10	0.52
M64634		1.32	80	2.54	1350	1	4.63	76	2300	93	0.28	5	15	1110	<10	0.37
M64635		3.46	100	2.16	1515	<1	3.10	40	2330	265	0.25	<5	15	2360	<10	0.35
M64636		1.98	80	2.52	1465	2	3.87	107	2090	70	0.33	<5	14	1220	<10	0.34
M64637		1.78	30	5.19	1850	3	2.66	386	1150	45	0.23	<5	17	924	<10	0.29
M64638		2.19	70	2.45	1190	2	3.91	53	2390	37	0.25	<5	13	1170	<10	0.33
M64639		2.65	70	2.10	1190	<1	3.79	49	2060	62	0.37	<5	13	1120	<10	0.33
M64640		2.91	80	2.24	1060	<1	3.08	44	2420	50	1.52	<5	14	954	<10	0.31
M64641		2.19	20	1.24	371	1	3.70	49	1130	72	3.30	<5	5	252	<10	0.39
M64642		2.18	70	2.33	1170	<1	3.94	50	1880	12	0.28	5	14	986	<10	0.33
M64643		4.45	60	1.74	997	6	2.24	27	1850	37	1.46	<5	11	1195	<10	0.27
M64644		4.20	70	1.54	1075	1	2.45	20	2040	42	1.74	<5	11	1290	<10	0.28
M64645		3.67	70	1.54	1120	1	3.30	14	2050	38	0.64	<5	11	1170	<10	0.28
M64646		3.68	70	1.60	1165	1	3.29	16	2090	42	0.66	<5	11	1150	<10	0.28
M64647		4.14	70	1.92	1135	1	2.37	20	2150	146	0.56	5	11	1310	<10	0.27
M64648		2.57	60	2.13	1250	1	3.67	42	1530	63	0.22	6	11	1265	<10	0.27
M64649		4.65	80	2.23	1320	1	2.27	53	1840	82	0.17	<5	11	1530	<10	0.28
M64650		4.20	90	2.32	1170	1	2.08	47	1630	42	0.17	<5	10	1605	<10	0.27
M64651		4.05	80	1.84	1145	<1	2.25	61	1700	98	0.16	<5	11	1670	<10	0.29
M64652		3.05	80	2.30	1345	<1	3.27	31	1650	118	0.22	<5	11	1345	<10	0.28
M64653		3.24	90	2.70	1580	<1	3.19	33	1540	229	0.47	6	10	1525	<10	0.28
M64654		3.50	80	2.24	1350	<1	3.04	32	1520	78	0.28	<5	10	1425	<10	0.29

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CERTIFICATE OF ANALYSIS TM10138978

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
M64615		<10	<10	297	<10	171
M64616		<10	<10	142	<10	123
M64617		<10	<10	145	<10	131
M64618		<10	<10	147	<10	135
M64619		<10	<10	176	<10	266
M64620		<10	<10	143	10	137
M64621		<10	20	103	<10	392
M64622		<10	<10	148	10	131
M64623		<10	<10	163	10	151
M64624		<10	<10	320	<10	172
M64625		<10	10	139	10	164
M64626		<10	<10	62	10	76
M64627		<10	10	66	<10	79
M64628		<10	<10	69	<10	130
M64629		<10	<10	110	10	133
M64630		<10	<10	225	<10	116
M64631		<10	<10	164	<10	170
M64632		<10	<10	178	10	193
M64633		<10	<10	177	<10	229
M64634		<10	<10	131	<10	116
M64635		<10	<10	144	10	166
M64636		<10	<10	127	<10	189
M64637		<10	10	120	10	248
M64638		<10	10	113	10	113
M64639		<10	<10	111	10	136
M64640		<10	<10	113	10	115
M64641		<10	10	49	10	49
M64642		<10	<10	105	10	95
M64643		<10	<10	122	10	110
M64644		<10	<10	101	10	94
M64645		<10	<10	95	<10	90
M64646		<10	<10	97	10	90
M64647		<10	<10	95	10	116
M64648		<10	<10	93	10	153
M64649		<10	<10	98	20	154
M64650		<10	<10	95	10	152
M64651		<10	<10	93	10	136
M64652		<10	<10	98	<10	162
M64653		<10	<10	93	10	295
M64654		<10	<10	92	10	171

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
M64655		1.52	0.04	1.4	7.29	<5	2660	4.8	3	4.42	0.5	28	329	60	5.61	20
M64656		2.95	0.03	1.9	7.68	<5	2790	3.7	2	4.71	2.7	17	64	101	4.28	20
M64657		2.10	0.01	0.5	6.92	<5	1690	4.0	3	5.47	<0.5	28	254	67	5.54	20
M64658		2.33	0.02	<0.5	7.44	<5	1720	3.3	3	4.06	<0.5	31	378	104	5.69	20
M64659		2.07	<0.01	<0.5	7.22	<5	1130	3.7	2	4.44	<0.5	30	333	66	5.37	20
M64660		2.41	<0.01	<0.5	7.65	<5	2960	4.4	<2	4.90	<0.5	20	103	55	4.92	20
M64661		<0.02	<0.01	<0.5	7.50	5	2660	4.6	<2	5.58	<0.5	21	126	57	5.10	20
M64662		1.95	<0.01	<0.5	7.63	9	3120	5.8	<2	6.05	<0.5	15	43	24	4.68	20
M64663		1.46	0.06	0.9	2.77	5	1060	3.3	2	4.95	<0.5	8	25	37	2.27	10
M64664		1.59	0.02	<0.5	7.88	7	2640	6.5	<2	5.93	<0.5	14	42	72	5.03	20
M64665		2.44	0.05	<0.5	7.65	11	2370	5.9	<2	8.00	<0.5	16	38	44	4.88	20
M64666		2.26	0.01	<0.5	8.14	8	3200	6.0	<2	5.39	<0.5	18	40	49	5.06	20
M64667		1.86	<0.01	<0.5	7.64	8	3320	6.9	<2	6.33	<0.5	15	38	56	4.63	20
M64668		0.97	<0.01	3.1	3.46	<5	1900	3.8	6	5.06	1.8	8	23	23	2.57	10
M64669		2.29	0.02	1.6	7.47	<5	1040	5.4	5	4.46	1.2	17	43	75	4.75	20
M64670		2.04	0.01	0.8	7.09	11	2960	5.3	2	6.17	<0.5	16	50	41	4.08	20
M64671		2.23	0.01	<0.5	7.28	<5	2440	4.4	<2	2.63	<0.5	10	67	10	2.39	20
M64672		2.05	0.06	<0.5	7.33	<5	1990	4.6	<2	4.98	<0.5	9	63	16	2.99	20
M64673		2.33	0.06	<0.5	7.01	8	2230	5.2	<2	6.92	<0.5	17	36	60	4.62	20
M64674		2.36	<0.01	<0.5	5.96	7	2090	7.9	<2	9.83	0.5	14	32	36	4.28	20
M64675		2.28	0.01	<0.5	8.34	5	3650	5.8	<2	4.62	<0.5	18	45	46	4.99	20
M64676		2.14	0.04	<0.5	7.35	<5	2370	7.2	<2	6.18	<0.5	20	65	43	4.83	20
M64677		2.20	0.01	0.6	7.47	<5	1120	5.9	3	5.80	1.2	24	66	43	4.96	20
M64678		2.29	0.03	<0.5	6.67	8	1780	5.9	<2	7.71	<0.5	18	61	69	4.49	20
M64679		1.72	<0.01	<0.5	4.23	<5	1030	11.0	<2	8.29	<0.5	12	31	28	3.03	10
M64680		1.61	<0.01	<0.5	7.32	6	1690	7.5	<2	3.62	<0.5	19	179	30	3.30	20
M64681		0.11	1.32	0.6	7.80	27	150	3.4	3	2.49	<0.5	20	72	31	5.83	20
M64682		2.26	<0.01	<0.5	5.27	<5	450	9.7	<2	6.16	<0.5	55	826	62	5.95	10
M64683		2.20	<0.01	0.6	5.02	11	70	7.9	<2	6.53	<0.5	62	940	69	6.81	10
M64684		2.27	<0.01	0.5	5.57	15	70	6.0	3	6.42	<0.5	58	741	102	7.04	10
M64685		2.44	<0.01	<0.5	3.72	32	50	4.4	2	7.14	<0.5	77	1540	38	6.73	10
M64686		2.39	<0.01	0.5	3.65	26	40	2.1	<2	6.41	<0.5	71	1280	76	6.26	10
M64687		2.29	<0.01	<0.5	3.81	11	70	2.2	<2	7.43	<0.5	58	1010	74	5.92	10
M64688		1.98	<0.01	0.7	3.99	9	210	1.9	<2	7.71	<0.5	77	1260	195	7.47	10
M64689		2.19	<0.01	2.4	2.13	9	150	1.0	8	6.83	<0.5	78	1150	54	5.62	<10
M64690		2.57	0.01	2.2	2.12	9	80	1.6	5	5.25	<0.5	77	1170	38	5.71	<10
M64691		2.15	0.01	0.6	6.13	14	160	3.5	<2	6.30	<0.5	54	365	120	7.26	20
M64692		2.47	0.01	0.5	6.96	9	570	5.1	4	5.82	<0.5	40	346	91	6.64	20
M64693		1.95	0.08	0.5	7.02	<5	1040	3.0	3	3.02	<0.5	17	130	34	3.39	20
M64694		2.17	0.04	<0.5	6.98	7	1180	3.2	5	2.48	<0.5	11	61	30	2.82	20

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To: **NORTHGATE MINERALS - YOUNG DAVIDSON MINE**
PO BOX 187
MATACHEWAN ON P0K 1M0

Finalized Date: 15-OCT-2010
Account: NORTEX

Project: 1916

CERTIFICATE OF ANALYSIS TM10138978

Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10	0.01
M64655		3.67	60	3.37	2360	1	2.22	185	1480	199	0.14	<5	17	1590	<10	0.35
M64656		4.26	90	2.29	1775	<1	2.66	34	1750	1145	0.17	<5	11	1465	<10	0.31
M64657		2.75	50	4.28	1700	1	2.28	137	1400	61	0.17	<5	19	1170	<10	0.39
M64658		2.10	60	3.65	1410	1	3.35	189	1670	43	0.29	<5	18	1050	<10	0.37
M64659		1.04	70	3.89	1410	<1	3.83	214	1930	39	0.34	<5	17	1015	<10	0.34
M64660		4.38	80	3.33	1290	<1	2.05	67	2040	39	0.39	<5	13	1460	<10	0.34
M64661		3.75	70	3.52	1370	<1	2.29	82	1980	44	0.42	<5	13	1410	<10	0.33
M64662		5.14	80	3.67	1275	1	1.04	39	2640	73	0.70	<5	11	1700	<10	0.33
M64663		1.66	30	2.11	670	1	0.19	20	750	211	0.65	<5	4	518	<10	0.11
M64664		4.95	90	4.06	1450	<1	1.02	38	1810	35	0.77	<5	12	1500	<10	0.33
M64665		4.58	90	4.65	1350	<1	0.85	40	2060	42	0.78	<5	11	1500	<10	0.32
M64666		5.18	80	3.49	1295	<1	1.33	36	1840	63	0.40	<5	12	1560	<10	0.35
M64667		4.84	80	4.41	1475	<1	0.75	42	2340	96	0.32	<5	12	1480	<10	0.32
M64668		1.83	40	2.42	1130	<1	0.62	15	1730	400	0.59	<5	5	784	<10	0.11
M64669		4.75	80	3.22	1365	<1	0.72	32	2010	320	2.32	<5	10	1690	<10	0.28
M64670		4.38	70	4.37	1300	<1	0.78	43	2020	116	1.07	<5	10	1430	<10	0.27
M64671		5.20	30	2.25	644	<1	0.74	29	1110	38	0.24	<5	6	985	<10	0.18
M64672		4.65	40	3.52	912	<1	1.26	36	1310	28	0.25	<5	7	1120	<10	0.19
M64673		4.20	80	4.79	1290	3	0.79	41	2300	46	0.97	5	11	1500	<10	0.31
M64674		3.37	70	5.91	1425	<1	0.53	44	2550	136	0.30	<5	10	1430	<10	0.27
M64675		5.04	100	3.72	1250	<1	1.35	37	2220	65	1.06	<5	13	1710	<10	0.37
M64676		4.25	70	4.53	1225	1	0.98	48	1810	73	1.06	<5	12	1230	<10	0.28
M64677		3.92	70	3.69	1230	2	1.48	50	2230	135	1.94	<5	12	1400	<10	0.31
M64678		2.10	60	3.91	1355	3	2.29	51	1780	66	1.12	<5	11	2230	<10	0.29
M64679		1.97	40	4.61	1220	<1	0.44	45	1390	59	0.17	<5	7	1310	<10	0.16
M64680		4.26	60	3.11	832	3	1.47	120	1770	82	0.28	<5	9	908	<10	0.25
M64681		3.36	10	1.90	507	<1	3.50	76	1210	82	3.08	<5	6	359	<10	0.59
M64682		1.40	40	8.55	1535	5	0.96	642	800	79	0.43	<5	18	661	<10	0.27
M64683		0.63	30	9.13	1900	<1	1.09	620	780	55	0.57	<5	24	471	<10	0.36
M64684		0.71	70	8.96	1990	9	1.25	573	960	70	0.53	<5	25	531	<10	0.43
M64685		0.26	20	12.75	1570	24	0.16	1025	120	53	0.57	<5	22	456	<10	0.19
M64686		0.25	30	11.40	1460	<1	0.28	944	300	32	0.77	<5	20	352	<10	0.21
M64687		0.75	50	9.87	1870	2	0.42	862	570	30	0.75	<5	19	556	<10	0.25
M64688		1.49	140	11.15	1890	147	0.05	997	450	71	3.08	<5	21	749	<10	0.23
M64689		0.07	40	14.20	1620	3	0.04	1545	130	239	1.89	<5	14	532	<10	0.11
M64690		0.20	50	14.50	1575	47	0.05	1560	150	233	1.64	<5	14	368	<10	0.11
M64691		1.18	100	6.19	1585	3	1.94	207	2190	72	2.65	<5	27	584	<10	0.42
M64692		1.64	150	5.08	1370	305	2.68	165	2680	51	1.99	<5	29	719	<10	0.47
M64693		1.95	60	1.99	687	66	3.83	47	1400	28	1.57	<5	11	520	<10	0.24
M64694		3.54	50	1.39	581	22	3.41	19	1270	26	1.24	<5	7	471	<10	0.21

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PO BOX 187
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CERTIFICATE OF ANALYSIS TM10138978

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
M64655		<10	<10	144	10	294
M64656		<10	<10	118	10	416
M64657		<10	<10	145	10	220
M64658		<10	10	146	10	197
M64659		<10	<10	134	10	180
M64660		<10	<10	134	20	161
M64661		<10	<10	133	10	169
M64662		<10	<10	146	10	161
M64663		<10	<10	78	<10	94
M64664		<10	<10	145	20	201
M64665		<10	<10	143	10	199
M64666		<10	<10	145	20	199
M64667		<10	<10	147	10	262
M64668		<10	<10	70	10	250
M64669		<10	<10	134	10	270
M64670		<10	<10	115	10	176
M64671		<10	<10	62	10	87
M64672		<10	<10	78	<10	113
M64673		<10	<10	133	10	172
M64674		<10	<10	129	<10	182
M64675		<10	<10	134	10	176
M64676		<10	<10	135	20	193
M64677		<10	<10	160	10	276
M64678		<10	<10	127	10	188
M64679		<10	<10	95	10	174
M64680		<10	<10	114	50	127
M64681		<10	<10	73	<10	59
M64682		<10	<10	131	10	241
M64683		<10	<10	166	10	320
M64684		<10	<10	174	10	360
M64685		<10	<10	125	<10	248
M64686		<10	<10	132	<10	207
M64687		<10	<10	129	<10	273
M64688		<10	<10	135	<10	308
M64689		<10	<10	76	<10	308
M64690		<10	<10	80	<10	303
M64691		<10	<10	196	10	203
M64692		<10	<10	205	10	181
M64693		<10	10	84	10	68
M64694		<10	10	73	10	53

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	ME-ICP61 Ag ppm 0.5	ME-ICP61 Al % 0.01	ME-ICP61 As ppm 5	ME-ICP61 Ba ppm 10	ME-ICP61 Be ppm 0.5	ME-ICP61 Bi ppm 2	ME-ICP61 Ca % 0.01	ME-ICP61 Cd ppm 0.5	ME-ICP61 Co ppm 1	ME-ICP61 Cr ppm 1	ME-ICP61 Cu ppm 1	ME-ICP61 Fe % 0.01	ME-ICP61 Ga ppm 10
M64695		2.14	0.04	<0.5	7.21	8	1050	3.1	2	3.81	<0.5	11	54	30	2.86	20
M64696		2.05	0.05	<0.5	6.97	<5	1140	3.4	<2	3.69	<0.5	11	53	34	3.02	20
M64697		2.25	0.06	<0.5	7.44	11	1380	3.7	<2	3.10	<0.5	13	59	44	3.31	30
M64698		2.31	0.40	<0.5	7.16	<5	1220	3.5	2	2.30	<0.5	10	56	41	2.75	20
M64699		1.93	0.20	<0.5	7.62	<5	1360	3.0	<2	2.58	<0.5	10	58	37	2.90	20
M64700		2.07	0.24	<0.5	7.85	<5	2480	3.5	<2	2.74	<0.5	11	51	36	3.71	20
M64701		0.49	<0.01	<0.5	2.88	16	90	0.6	<2	42.1	<0.5	8	34	92	1.60	10
M64702		2.09	0.26	<0.5	7.26	11	1680	3.6	<2	2.61	<0.5	12	79	52	3.62	20
M64703		1.91	0.27	<0.5	7.17	8	2720	4.0	<2	1.80	<0.5	9	43	53	3.12	20
M64704		2.14	0.38	<0.5	6.77	<5	1790	3.1	<2	2.48	<0.5	11	52	40	2.88	20
M64705		2.18	0.08	<0.5	6.90	7	1460	2.4	<2	3.89	<0.5	17	140	34	2.83	20
M64706		1.79	0.02	<0.5	4.87	22	140	3.5	3	7.84	<0.5	61	1240	46	7.51	20
M64707		2.21	0.03	<0.5	6.08	15	820	3.2	2	6.37	<0.5	40	290	63	5.89	10
M64708		2.27	0.03	<0.5	4.91	22	520	3.8	3	7.61	<0.5	44	709	46	5.76	10
M64709		2.39	0.16	<0.5	6.09	20	1200	4.3	<2	6.29	<0.5	39	364	61	6.13	20
M64710		2.19	0.31	<0.5	5.30	17	640	5.5	<2	8.10	<0.5	61	906	31	7.38	10
M64711		2.15	0.01	<0.5	4.16	16	80	2.4	<2	7.96	<0.5	56	1290	43	6.66	10
M64712		2.38	0.04	<0.5	6.15	18	290	1.7	<2	7.17	<0.5	41	401	67	6.36	20
M64713		2.46	0.02	<0.5	6.74	16	1140	2.1	2	5.71	<0.5	35	394	46	7.06	20
M64714		2.43	0.05	<0.5	6.87	20	980	2.1	<2	5.01	<0.5	42	336	83	7.14	20
M64715		2.40	0.03	<0.5	7.02	20	1020	2.1	<2	4.48	<0.5	41	345	74	7.34	20
M64716		1.95	0.02	<0.5	6.58	16	1130	2.1	<2	5.65	<0.5	37	351	46	6.79	20
M64717		1.95	0.03	<0.5	6.70	17	840	1.9	<2	5.62	<0.5	42	419	54	6.97	20
M64718		1.94	0.02	<0.5	6.44	18	980	1.9	<2	5.44	<0.5	45	461	52	7.17	20
M64719		2.26	0.04	0.5	6.99	20	900	2.1	4	4.61	<0.5	44	339	88	7.48	20
M64720		2.09	0.04	0.6	6.50	23	580	1.8	<2	4.94	<0.5	44	402	81	6.99	20
M64721		0.11	6.04	0.7	6.80	27	180	2.4	5	1.57	<0.5	13	51	24	5.26	20
M64722		2.22	0.04	<0.5	5.58	24	880	1.8	3	6.72	<0.5	46	739	42	6.79	10
M64723		2.82	0.04	0.5	6.27	22	410	1.8	3	6.08	<0.5	32	358	49	5.91	20
M64724		1.55	0.10	1.4	4.85	26	250	1.6	20	7.81	<0.5	64	912	101	7.67	10
M64725		1.98	0.18	0.8	6.37	32	420	2.9	8	7.21	<0.5	66	532	87	7.65	20
M64726		2.55	0.10	<0.5	6.38	21	560	3.2	3	7.67	<0.5	39	334	66	6.32	20

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Sample Description	Method	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61	ME-ICP61
	Analyte	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te	Ti
	Units	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10	0.01
M64695		3.62	60	1.71	701	62	3.01	21	1220	28	1.17	<5	7	500	<10	0.19
M64696		3.63	50	1.77	628	28	2.76	28	1180	32	1.50	<5	7	396	<10	0.20
M64697		4.17	40	2.00	654	4	2.91	25	1320	43	1.62	<5	7	408	<10	0.19
M64698		4.21	50	1.46	502	2	2.88	18	1220	42	1.44	<5	7	432	<10	0.19
M64699		4.33	50	1.47	564	2	3.19	19	1310	29	1.56	<5	7	519	<10	0.18
M64700		4.64	80	1.51	636	16	2.45	20	1680	27	1.22	<5	8	712	<10	0.24
M64701		0.78	180	1.40	323	4	0.18	57	1080	9	1.7	<5	4	2170	<10	0.15
M64702		4.02	80	1.74	601	33	2.70	30	1560	37	1.60	<5	8	477	<10	0.19
M64703		4.22	70	1.59	470	18	1.57	23	1460	26	1.57	<5	6	426	<10	0.19
M64704		3.79	50	1.50	490	18	2.41	27	1340	22	1.56	<5	7	441	<10	0.16
M64705		2.63	40	2.00	655	1	3.43	59	1090	26	1.61	<5	10	646	<10	0.17
M64706		0.23	20	10.60	2110	1	1.23	892	860	19	2.52	<5	25	307	<10	0.30
M64707		2.43	40	6.23	1565	2	1.92	140	2070	16	2.23	5	26	411	<10	0.48
M64708		0.88	30	8.04	1625	5	1.71	587	860	16	1.76	<5	17	438	<10	0.23
M64709		3.49	60	6.57	1485	<1	0.72	182	2230	7	0.98	<5	26	652	<10	0.41
M64710		2.00	40	9.01	1700	<1	0.62	628	1310	9	1.63	<5	25	353	<10	0.33
M64711		0.64	10	11.50	1545	<1	0.37	960	610	7	1.12	<5	23	273	<10	0.24
M64712		1.33	60	6.11	1250	<1	2.54	185	2390	10	1.52	<5	27	341	<10	0.41
M64713		2.13	70	6.50	1425	<1	1.94	158	2680	6	0.44	<5	28	447	<10	0.45
M64714		2.11	70	6.24	1445	1	1.80	142	2700	9	0.64	<5	29	425	<10	0.46
M64715		2.19	70	6.35	1410	<1	1.67	154	2720	7	0.85	<5	29	413	<10	0.45
M64716		2.66	70	6.00	1575	<1	1.48	146	2570	8	0.13	<5	27	462	<10	0.44
M64717		2.15	70	6.44	1515	<1	1.38	215	2580	11	0.31	<5	28	380	<10	0.44
M64718		2.65	60	6.90	1640	<1	0.85	238	2480	10	0.16	<5	28	426	<10	0.43
M64719		3.03	80	6.28	1690	2	1.62	140	2800	31	1.17	<5	30	401	<10	0.47
M64720		2.39	70	6.42	1615	2	1.55	183	2590	28	1.25	<5	29	378	<10	0.43
M64721		2.19	10	1.28	382	<1	3.71	52	1180	68	3.58	<5	4	258	<10	0.40
M64722		2.42	50	8.47	1715	1	0.99	545	1820	33	1.14	<5	26	1240	<10	0.36
M64723		2.39	70	5.78	1530	5	1.96	152	2530	37	1.29	<5	27	412	<10	0.42
M64724		1.11	40	7.35	1855	3	0.89	632	920	54	3.08	<5	21	553	<10	0.28
M64725		2.44	50	5.80	1435	16	2.39	315	1590	40	3.55	<5	25	656	<10	0.45
M64726		1.98	70	5.33	1360	12	2.79	208	2540	32	2.65	<5	28	837	<10	0.41

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Project: 1916

CERTIFICATE OF ANALYSIS TM10138978

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Tl ppm 10	ME-ICP61 U ppm 10	ME-ICP61 V ppm 1	ME-ICP61 W ppm 10	ME-ICP61 Zn ppm 2
M64695		<10	10	81	10	65
M64696		<10	10	82	10	81
M64697		<10	10	90	10	90
M64698		<10	<10	78	10	65
M64699		<10	10	64	10	65
M64700		<10	<10	96	20	77
M64701		<10	40	103	<10	395
M64702		<10	<10	96	10	90
M64703		<10	<10	116	20	87
M64704		<10	<10	82	20	72
M64705		<10	<10	77	10	85
M64706		<10	<10	176	10	316
M64707		<10	<10	184	20	199
M64708		<10	<10	129	10	209
M64709		10	<10	193	20	207
M64710		10	<10	173	10	265
M64711		<10	<10	149	10	205
M64712		<10	<10	190	<10	118
M64713		<10	<10	201	<10	116
M64714		<10	<10	205	<10	108
M64715		<10	<10	205	<10	109
M64716		<10	<10	197	<10	121
M64717		<10	<10	200	<10	146
M64718		<10	<10	197	<10	161
M64719		<10	<10	209	<10	182
M64720		<10	<10	197	10	179
M64721		10	10	51	<10	50
M64722		<10	<10	173	10	193
M64723		10	<10	195	10	127
M64724		<10	<10	147	30	142
M64725		<10	<10	191	10	118
M64726		10	<10	195	20	101