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: 7-JAN-2011
Account: NORTEX

CERTIFICATE TM10193091

Project: 1916

P.O. No.: 10-112

This report is for 100 Drill Core samples submitted to our lab in Timmins, ON, Canada on 17-DEC-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
PUL-QC	Pulverizing QC Test
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
CRU-QC	Crushing QC Test
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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ATTN: JIM JANZEN
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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 TM10193091

Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	PUL-QC Pass75um % 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
20110		4.23	0.14	92.0	<0.5	3.24	13	440	32.0	<2	10.20	<0.5	76	1330	191	5.59
20111		3.76	0.07		<0.5	3.33	12	360	15.4	2	10.00	<0.5	56	855	116	6.18
20112		3.99	0.05		<0.5	5.34	10	510	2.4	<2	7.01	<0.5	47	676	77	5.80
20113		3.56	0.20		<0.5	4.83	11	320	2.0	<2	8.55	<0.5	43	568	66	5.61
20114		3.97	0.15		<0.5	6.42	11	180	1.8	<2	6.10	<0.5	40	357	72	6.30
20115		3.81	0.04		<0.5	5.87	11	310	1.7	<2	4.85	<0.5	32	320	51	5.67
20116		3.70	0.04		<0.5	7.21	10	300	1.9	<2	4.01	<0.5	44	416	28	6.80
20117		4.37	0.09		<0.5	6.97	10	330	1.8	<2	3.87	<0.5	41	404	37	6.70
20118		2.65	0.08		<0.5	6.55	12	320	1.7	<2	5.09	<0.5	50	377	104	6.60
20119		4.17	0.01		<0.5	5.04	13	2150	1.1	<2	6.39	<0.5	49	818	115	6.07
20120		4.15	0.04		<0.5	5.67	14	910	1.4	<2	7.05	<0.5	44	686	52	6.29
20121		<0.02	0.02		<0.5	5.64	11	770	1.4	<2	6.73	<0.5	45	719	60	6.41
20122		3.89	0.07		<0.5	5.52	9	620	1.4	2	7.81	<0.5	50	726	41	6.62
20123		3.74	0.10		<0.5	4.72	12	1280	1.4	<2	7.85	<0.5	60	863	26	6.81
20124		3.96	0.18		<0.5	6.88	12	730	2.0	<2	7.03	<0.5	39	199	29	5.91
20125		3.66	0.18		<0.5	6.91	12	230	2.7	<2	6.72	<0.5	24	135	21	5.92
20126		3.74	0.18		<0.5	3.52	13	210	1.7	<2	11.25	<0.5	46	878	30	8.04
20127		3.94	0.13		<0.5	7.11	15	260	2.9	<2	4.40	<0.5	36	500	120	5.62
20128		4.02	0.07		<0.5	6.99	16	340	3.3	<2	2.68	<0.5	33	397	83	4.87
20129		3.82	0.12		<0.5	6.96	14	380	2.4	<2	3.26	<0.5	36	490	101	5.07
20130		3.97	0.06		<0.5	6.54	8	410	1.8	<2	3.02	<0.5	27	403	53	4.45
20131		3.81	0.07		<0.5	7.25	11	590	2.9	<2	3.19	<0.5	41	486	49	5.29
20132		3.77	0.08		<0.5	7.35	12	770	4.4	<2	3.13	<0.5	44	484	52	5.91
20133		4.17	0.08		<0.5	7.45	9	590	4.0	<2	4.71	<0.5	43	483	112	5.89
20134		3.90	0.03		<0.5	6.57	<5	2250	4.6	<2	7.19	<0.5	27	303	58	6.57
20135		3.61	0.05		<0.5	6.28	7	1790	2.4	<2	7.75	<0.5	29	274	39	6.58
20136		1.94	0.06		<0.5	7.24	7	730	3.7	<2	5.37	<0.5	20	209	39	3.59
20137		3.63	0.06		<0.5	6.69	7	160	1.6	<2	4.68	<0.5	35	362	90	5.81
20138		3.15	0.13		<0.5	6.83	11	310	2.1	<2	5.70	<0.5	31	276	100	5.87
20139		3.96	0.33		<0.5	7.56	13	820	2.3	2	5.68	<0.5	49	75	188	10.45
20140		3.45	<0.01		<0.5	7.21	10	840	0.9	<2	5.43	<0.5	40	21	234	10.40
20141		0.11	1.33		0.6	7.87	20	150	3.2	<2	2.49	<0.5	19	62	30	5.64
20142		3.66	0.19		<0.5	7.33	15	440	1.0	<2	3.92	<0.5	48	425	100	5.70
20143		3.47	0.55		<0.5	6.64	16	710	1.1	<2	4.19	<0.5	45	350	71	5.58
20144		3.58	0.28		<0.5	6.61	15	580	1.2	<2	3.87	<0.5	45	536	83	6.82
20145		3.72	0.26		<0.5	7.40	18	420	1.2	<2	3.52	<0.5	56	641	143	7.14
20146		4.08	0.19		<0.5	7.10	20	410	1.3	<2	4.92	<0.5	56	473	129	7.70
20147		3.47	0.12		<0.5	6.95	15	550	1.1	<2	3.28	<0.5	42	592	63	6.37
20148		4.03	0.19		<0.5	7.43	14	500	1.2	<2	3.06	<0.5	26	330	78	4.85
20149		3.51	0.14	91.4	<0.5	7.65	14	500	1.1	<2	2.76	<0.5	26	214	59	3.91

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CERTIFICATE OF ANALYSIS TM10193091

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	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10
20110		10	1.27	40	7.14	1780	7	0.95	981	250	12	1.19	<5	17	634	<10
20111		10	0.88	40	7.44	1790	71	0.70	618	520	15	1.49	<5	17	2140	<10
20112		10	1.19	30	6.47	1230	8	2.07	439	940	10	1.87	<5	20	1010	<10
20113		10	1.48	40	5.88	1330	10	1.69	377	830	11	1.03	<5	18	821	<10
20114		20	2.44	50	5.52	1220	5	2.58	149	1470	10	0.49	<5	23	486	<10
20115		20	2.79	40	5.03	939	16	1.85	127	1360	8	0.35	<5	20	637	<10
20116		20	3.55	50	6.00	825	4	2.09	173	1580	10	1.06	<5	26	641	<10
20117		20	4.12	50	6.15	831	6	1.87	184	1570	9	1.08	<5	25	666	<10
20118		20	3.83	50	6.14	979	3	1.75	192	1520	15	1.50	<5	23	691	<10
20119		10	2.00	30	8.91	1220	2	0.18	651	860	22	0.78	<5	20	2860	<10
20120		20	2.72	40	8.06	1305	8	0.55	480	1060	19	0.53	<5	22	1140	<10
20121		10	2.73	40	8.28	1290	6	0.49	499	1060	21	0.49	<5	22	1025	<10
20122		20	2.69	40	7.35	1525	9	0.37	473	1030	13	0.69	<5	21	910	<10
20123		10	2.31	30	8.49	1600	20	0.47	623	940	10	1.05	<5	19	907	<10
20124		20	2.37	50	4.13	1385	12	2.69	108	2110	6	1.06	<5	21	758	<10
20125		20	2.61	60	3.58	1150	24	2.31	59	2080	8	1.12	<5	21	396	<10
20126		10	1.42	30	5.27	2060	22	0.06	523	430	7	1.78	<5	16	1650	<10
20127		20	1.61	20	2.18	682	8	3.52	241	470	10	1.19	<5	26	458	<10
20128		20	1.74	20	2.41	522	3	3.03	202	360	6	0.97	<5	21	369	<10
20129		10	2.03	20	2.33	583	1	2.98	223	340	10	1.19	<5	20	392	<10
20130		20	1.92	20	2.13	544	8	2.73	187	330	8	1.04	<5	17	376	<10
20131		20	2.46	20	2.51	657	2	2.35	242	350	8	1.21	<5	25	380	<10
20132		20	3.13	30	2.56	703	1	1.64	238	410	7	1.71	<5	27	331	<10
20133		20	3.06	20	3.03	1020	2	1.97	247	440	9	1.32	<5	28	405	<10
20134		20	3.20	40	4.87	1750	1	0.86	116	1530	6	0.42	5	28	1100	<10
20135		20	2.30	30	3.85	1665	4	2.25	142	1160	12	0.93	<5	25	864	<10
20136		20	2.01	70	2.47	869	<1	3.66	112	1900	17	0.18	<5	9	531	<10
20137		20	1.51	30	3.81	978	1	2.65	163	820	5	0.78	<5	24	263	<10
20138		20	1.43	50	3.26	1025	11	2.99	139	980	23	1.05	<5	20	209	<10
20139		20	2.08	40	3.37	1845	3	2.17	54	910	22	0.47	<5	38	315	<10
20140		20	2.08	30	2.81	1975	<1	1.66	32	800	14	0.14	6	40	462	<10
20141		20	3.33	20	1.79	488	1	3.39	70	1130	78	3.00	<5	5	344	<10
20142		20	1.43	40	2.95	1140	3	3.77	213	590	30	1.36	<5	21	359	<10
20143		10	1.64	50	2.93	1100	4	3.21	200	460	14	1.72	<5	17	300	<10
20144		20	1.40	30	3.91	1415	3	2.41	244	600	9	1.39	<5	24	290	<10
20145		20	1.33	30	3.69	1370	3	2.97	317	450	7	1.73	<5	30	357	<10
20146		20	1.53	30	5.02	1735	4	2.13	222	1050	10	1.40	<5	30	408	<10
20147		20	1.46	20	3.64	1435	1	2.28	287	380	12	1.19	<5	27	420	<10
20148		20	1.33	30	2.85	1095	4	3.35	181	510	10	0.93	<5	17	322	<10
20149		20	1.12	40	2.05	855	4	4.09	119	580	12	0.97	<5	14	348	<10

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CERTIFICATE OF ANALYSIS TM10193091

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ti % 0.01	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
20110		0.13	<10	<10	116	10	270
20111		0.14	<10	<10	119	10	178
20112		0.18	<10	<10	149	<10	131
20113		0.20	<10	<10	148	<10	92
20114		0.36	<10	<10	186	<10	96
20115		0.37	10	<10	166	<10	88
20116		0.48	<10	<10	191	<10	98
20117		0.52	<10	<10	192	<10	98
20118		0.50	10	<10	188	10	94
20119		0.32	<10	<10	150	10	120
20120		0.39	<10	<10	165	20	124
20121		0.39	<10	<10	167	10	127
20122		0.38	<10	<10	166	40	141
20123		0.33	<10	<10	141	130	161
20124		0.59	<10	<10	182	30	109
20125		0.55	<10	<10	182	20	90
20126		0.22	<10	<10	132	40	127
20127		0.33	<10	10	171	50	55
20128		0.32	<10	10	149	40	52
20129		0.31	<10	<10	151	20	50
20130		0.28	<10	10	130	30	45
20131		0.37	<10	<10	169	40	53
20132		0.39	<10	<10	183	60	52
20133		0.41	<10	<10	193	30	67
20134		0.49	<10	<10	222	30	87
20135		0.44	<10	<10	195	20	99
20136		0.25	<10	<10	84	10	80
20137		0.45	<10	<10	181	20	106
20138		0.39	<10	<10	171	60	100
20139		0.82	<10	<10	346	10	138
20140		0.87	<10	<10	359	<10	123
20141		0.57	<10	10	72	<10	55
20142		0.39	<10	<10	152	40	116
20143		0.32	<10	<10	129	20	105
20144		0.43	<10	<10	178	70	145
20145		0.50	<10	<10	209	10	152
20146		0.56	<10	<10	222	20	163
20147		0.44	<10	<10	190	10	159
20148		0.34	<10	10	133	50	114
20149		0.33	<10	10	108	30	83

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Sample Description	Method / Analyte / Units / LOR	WEI-21 Recvd Wt. kg 0.02	Au-AA26 Au ppm 0.01	PUL-QC Pass75um % 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
20150		3.25	0.11		<0.5	7.31	15	350	1.3	<2	3.03	<0.5	29	290	255	5.16
20151		3.08	0.37		<0.5	6.62	10	260	1.4	<2	7.02	<0.5	37	227	120	6.91
20152		3.36	0.13		<0.5	7.05	7	370	1.2	<2	3.92	<0.5	24	171	46	4.01
20153		2.91	0.25		<0.5	6.84	<5	470	1.7	<2	4.29	<0.5	21	159	85	4.09
20154		2.22	0.14		<0.5	7.27	10	560	1.8	<2	4.04	<0.5	27	266	76	4.26
20155		3.82	0.20		<0.5	7.39	26	1100	3.2	<2	4.34	<0.5	48	533	65	6.99
20156		3.81	0.06		<0.5	7.03	15	680	1.9	<2	7.67	<0.5	39	278	39	7.23
20157		3.52	0.05		<0.5	7.27	17	570	2.3	<2	6.68	<0.5	42	412	122	6.34
20158		2.82	0.02		<0.5	7.17	<5	820	3.8	<2	5.60	<0.5	16	146	54	3.74
20159		2.95	<0.01		<0.5	7.44	8	1610	3.4	<2	4.52	<0.5	18	99	69	4.40
20160		3.12	0.02		<0.5	6.87	8	1120	2.8	<2	5.34	<0.5	19	26	62	5.19
20161		0.53	<0.01		<0.5	2.91	<5	90	0.5	<2	39.7	<0.5	9	30	96	1.55
20162		4.31	<0.01		3.5	7.42	17	660	3.5	<2	3.83	<0.5	44	29	230	10.10
20163		4.14	<0.01		<0.5	6.84	31	560	3.0	<2	4.21	<0.5	41	29	181	10.15
20164		4.05	0.01		<0.5	7.34	22	1600	2.7	<2	7.00	<0.5	23	32	103	5.65
20165		4.03	0.03		<0.5	7.72	12	1990	2.8	<2	5.55	<0.5	15	32	342	3.98
20166		3.82	0.01		<0.5	7.49	<5	2390	4.0	<2	5.31	<0.5	15	52	27	4.07
20167		4.18	<0.01		<0.5	7.94	5	2340	4.9	<2	4.91	<0.5	14	39	21	4.12
20168		3.84	0.03		0.6	7.39	7	1440	5.1	<2	5.48	<0.5	18	35	658	4.57
20169		3.76	0.01		0.5	7.61	9	1850	4.0	<2	6.58	<0.5	16	30	81	3.76
20170		4.34	<0.01		<0.5	7.71	<5	1980	3.5	<2	5.15	<0.5	13	30	46	4.02
20171		3.95	0.01		<0.5	8.01	<5	2510	3.8	<2	5.01	<0.5	14	34	36	4.16
20172		3.71	<0.01		<0.5	7.93	7	2240	3.7	<2	4.42	<0.5	12	33	40	3.98
20173		4.10	0.03		<0.5	8.00	19	2180	4.6	<2	4.17	<0.5	14	37	70	4.16
20174		4.30	0.09		0.5	7.59	23	2100	3.6	<2	4.97	<0.5	20	33	853	4.45
20175		4.30	0.01		<0.5	7.93	<5	3500	3.5	<2	5.26	<0.5	14	35	36	3.96
20176		3.59	0.01		<0.5	7.57	<5	3530	4.3	<2	5.54	<0.5	13	38	16	3.42
20177		4.41	0.01		<0.5	7.57	8	3010	3.9	<2	5.03	<0.5	15	76	26	3.82
20178		3.45	0.02		<0.5	7.86	6	3140	4.9	<2	4.55	<0.5	16	59	99	3.77
20179		2.32	0.06		<0.5	7.67	7	2760	4.5	<2	3.97	<0.5	16	76	58	4.03
20180		2.76	0.06		<0.5	6.74	9	990	2.6	<2	4.22	<0.5	26	313	208	4.77
20181		0.11	5.83		0.8	7.28	24	210	2.2	<2	1.68	<0.5	14	44	24	5.27
20182		4.01	0.17		<0.5	7.47	22	1310	3.4	<2	5.59	<0.5	28	224	395	4.96
20183		4.67	0.05		<0.5	7.73	10	1460	3.2	<2	3.70	<0.5	16	149	47	4.64
20184		2.90	0.04		<0.5	8.04	28	810	3.0	<2	4.18	<0.5	21	194	237	4.46
20185		2.90	0.52		<0.5	7.08	16	620	2.5	<2	4.64	<0.5	35	379	302	5.85
20186		2.87	0.05		<0.5	6.80	17	760	3.2	<2	4.61	<0.5	26	270	239	4.94
20187		3.76	0.08		<0.5	7.14	9	550	2.3	<2	4.25	<0.5	32	467	295	6.15
20188		4.41	0.16		<0.5	6.82	8	1070	1.9	<2	4.24	<0.5	28	301	307	4.89
20189		3.72	0.10	88.7	<0.5	7.26	5	2130	3.7	<2	3.63	<0.5	20	148	182	3.68

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

Finalized Date: 7-JAN-2011
Account: NORTEX

Project: 1916

CERTIFICATE OF ANALYSIS TM10193091

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	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10
20150		20	0.84	40	3.06	1080	3	3.46	136	740	7	1.03	<5	16	256	<10
20151		20	0.76	50	4.87	1815	6	1.77	122	1300	6	1.35	<5	19	251	<10
20152		20	1.19	40	1.57	649	2	3.71	99	520	5	1.05	<5	11	228	<10
20153		10	1.60	60	1.50	575	66	3.23	98	970	6	0.91	<5	10	213	<10
20154		20	1.85	40	1.48	549	15	3.35	149	830	5	1.21	<5	14	232	<10
20155		20	3.15	30	2.95	780	5	0.83	254	480	2	1.69	<5	27	136	<10
20156		20	2.28	40	2.79	872	6	1.81	158	1730	3	1.20	<5	26	177	<10
20157		20	2.41	120	2.67	821	8	2.25	254	1640	6	0.71	<5	23	181	<10
20158		20	3.29	110	2.16	738	50	1.79	94	1990	23	0.06	<5	8	216	<10
20159		20	4.58	90	2.33	816	1	0.59	61	2140	45	0.10	<5	13	307	<10
20160		20	3.43	80	2.35	941	7	1.57	27	2120	32	0.41	<5	15	276	<10
20161		<10	0.79	190	1.33	321	4	0.19	55	1050	9	1.7	9	4	2170	<10
20162		20	1.06	30	3.82	1400	<1	2.50	33	980	43	0.17	<5	35	162	10
20163		20	1.18	30	3.66	1435	<1	2.23	30	900	62	0.09	<5	33	202	<10
20164		20	3.00	70	2.28	1095	4	2.30	27	1740	125	0.28	<5	17	586	<10
20165		20	4.38	100	1.75	804	22	2.00	23	2000	91	0.29	<5	10	650	<10
20166		20	3.93	80	1.50	756	9	2.34	22	1780	175	0.20	<5	11	1215	<10
20167		20	4.58	90	1.51	737	7	2.57	17	1750	111	0.20	<5	10	1300	<10
20168		20	4.15	110	1.92	914	7	2.16	51	2240	81	0.25	<5	11	804	<10
20169		20	4.18	120	1.74	935	8	2.53	27	1840	114	0.58	<5	11	1115	<10
20170		20	4.43	90	1.58	865	2	2.51	17	1870	61	0.25	<5	10	1195	<10
20171		20	4.31	80	1.35	824	2	2.90	18	2020	53	0.20	<5	11	1535	<10
20172		20	4.19	80	1.14	730	3	2.95	14	1910	67	0.13	<5	10	1315	<10
20173		20	4.19	80	1.29	708	2	2.30	20	2060	67	0.24	<5	11	957	<10
20174		20	3.85	80	1.36	878	3	2.35	26	2120	101	0.51	<5	10	1330	<10
20175		20	4.61	100	1.06	804	6	2.78	20	2020	54	0.27	<5	11	3830	<10
20176		20	4.40	100	0.90	759	11	2.39	19	1850	32	0.30	<5	10	3930	<10
20177		20	4.04	100	1.75	865	14	2.62	33	1820	41	0.38	<5	11	3360	<10
20178		20	4.62	120	1.51	878	49	2.18	29	1870	65	0.40	<5	11	3420	<10
20179		20	4.44	80	1.75	825	13	3.15	44	1670	44	0.31	<5	10	3800	<10
20180		20	3.09	60	2.25	929	15	3.33	174	650	41	0.73	<5	17	1515	<10
20181		20	2.24	20	1.27	376	1	3.80	49	1160	78	3.60	<5	4	266	<10
20182		20	4.36	80	2.52	1140	34	2.55	124	710	65	1.15	<5	14	1690	<10
20183		20	4.45	80	1.63	941	2	3.02	86	1040	48	0.21	<5	11	1415	<10
20184		30	4.54	60	1.85	1015	3	2.89	112	370	38	0.53	<5	11	1100	<10
20185		20	2.52	60	2.02	1030	12	3.70	203	330	37	1.27	<5	21	1125	<10
20186		20	3.55	60	2.23	1095	9	2.56	132	610	32	1.18	<5	16	948	<10
20187		20	2.07	50	2.60	1075	23	3.99	228	300	22	1.35	<5	23	1215	<10
20188		20	3.16	60	2.44	847	20	3.37	144	500	33	0.82	<5	16	1665	<10
20189		20	4.11	80	2.36	794	10	2.85	55	1530	58	0.34	<5	11	2770	<10

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PO BOX 187
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Finalized Date: 7-JAN-2011
Account: NORTEX

Project: 1916

CERTIFICATE OF ANALYSIS TM10193091

Sample Description	Method / Analyte / Units / LOR	ME-ICP61 Ti % 0.01	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
20150		0.39	<10	10	132	50	111
20151		0.46	<10	<10	159	110	151
20152		0.28	<10	10	92	10	57
20153		0.25	<10	<10	83	10	54
20154		0.28	<10	10	110	10	58
20155		0.45	<10	<10	205	10	105
20156		0.56	<10	<10	202	10	84
20157		0.49	<10	<10	181	20	86
20158		0.23	<10	<10	79	10	93
20159		0.32	<10	<10	111	10	111
20160		0.43	<10	<10	161	<10	120
20161		0.15	<10	20	98	<10	382
20162		0.97	<10	<10	360	<10	173
20163		0.89	<10	<10	332	<10	186
20164		0.44	<10	<10	181	<10	127
20165		0.26	<10	<10	108	10	99
20166		0.28	<10	<10	109	10	95
20167		0.28	<10	<10	105	10	94
20168		0.24	<10	<10	124	10	120
20169		0.25	<10	<10	96	10	95
20170		0.25	<10	<10	108	<10	105
20171		0.26	<10	<10	111	<10	97
20172		0.26	<10	<10	110	<10	85
20173		0.22	<10	<10	117	10	91
20174		0.22	<10	<10	120	10	120
20175		0.23	<10	<10	105	10	90
20176		0.19	<10	<10	91	10	80
20177		0.23	<10	<10	101	10	118
20178		0.21	<10	10	101	10	99
20179		0.20	<10	<10	102	<10	97
20180		0.18	<10	10	131	<10	113
20181		0.39	10	10	50	<10	49
20182		0.18	<10	<10	145	10	121
20183		0.17	<10	<10	135	10	96
20184		0.15	<10	10	124	<10	99
20185		0.18	<10	10	160	<10	107
20186		0.17	<10	<10	138	10	106
20187		0.16	<10	10	166	<10	109
20188		0.20	<10	10	132	<10	105
20189		0.23	<10	<10	94	<10	99

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Finalized Date: 7-JAN-2011
Account: NORTEX

Project: 1916

CERTIFICATE OF ANALYSIS TM10193091

Sample Description	Method	WEI-21	Au-AA26	PUL-QC	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	Recvd Wt.	Au	Pass75um	Ag	Al	As	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
	Units	kg	ppm	%	ppm	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
	LOR	0.02	0.01	0.01	0.5	0.01	5	10	0.5	2	0.01	0.5	1	1	1	0.01
20190		4.01	0.02		<0.5	7.12	8	1660	3.9	<2	3.98	<0.5	18	150	59	4.06
20191		2.62	0.01		<0.5	7.40	<5	1610	4.0	<2	4.07	<0.5	19	156	33	4.08
20192		3.06	0.02		<0.5	7.91	8	2830	3.9	<2	3.43	<0.5	14	61	37	3.92
20193		4.01	0.02		<0.5	7.25	10	2000	3.9	<2	4.56	<0.5	17	90	144	4.08
20194		3.02	0.04		<0.5	7.68	7	2690	4.8	<2	3.99	<0.5	18	119	91	4.22
20195		2.93	0.02		<0.5	7.96	11	2700	4.7	<2	4.49	<0.5	16	96	37	4.22
20196		3.39	0.08		<0.5	7.33	6	1820	2.5	<2	3.97	<0.5	13	102	105	3.41
20197		3.54	0.03		<0.5	7.36	6	1780	2.5	<2	3.92	<0.5	12	105	65	3.48
20198		2.55	0.01		<0.5	6.32	5	1000	3.1	<2	5.68	<0.5	20	149	115	4.72
20199		3.55	0.03		<0.5	6.00	7	1200	2.4	<2	4.55	<0.5	23	231	122	4.22
20200		4.20	0.02		<0.5	6.79	10	460	1.9	<2	3.73	<0.5	33	439	113	5.00
20201		<0.02	0.02		<0.5	6.41	7	420	1.8	<2	3.66	<0.5	30	381	100	4.81
20202		4.17	0.09		<0.5	6.34	11	790	4.5	2	4.80	<0.5	35	564	226	6.27
20203		4.30	0.03		<0.5	6.22	15	2860	2.9	<2	5.91	<0.5	29	109	162	5.86
20204		3.50	0.01		<0.5	7.74	10	2410	2.7	<2	4.22	<0.5	14	61	73	3.78
20205		4.15	0.17		<0.5	7.30	5	3720	3.4	<2	4.40	<0.5	18	37	29	4.36
20206		2.52	0.85		0.5	7.11	11	1500	2.1	<2	4.26	<0.5	15	24	46	3.66
20207		2.44	0.61		0.7	6.53	<5	880	3.4	<2	3.61	<0.5	28	300	63	4.24
20208		4.07	0.16		0.7	6.48	7	670	2.6	<2	5.08	<0.5	36	610	314	5.31
20209		3.85	0.11		<0.5	6.19	<5	850	2.0	<2	4.82	<0.5	36	646	169	5.50

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CERTIFICATE OF ANALYSIS TM10193091

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	Ga	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr	Te
	Units	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm
	LOR	10	0.01	10	0.01	5	1	0.01	1	10	2	0.01	5	1	1	10
20190		20	4.07	70	2.46	955	4	2.86	56	2340	33	0.17	<5	11	1405	<10
20191		20	4.38	80	2.48	978	2	2.69	62	1970	24	0.12	<5	12	1240	<10
20192		20	4.90	90	1.60	890	<1	1.84	33	1870	26	0.14	<5	8	1670	<10
20193		20	4.07	80	2.58	1085	2	1.86	46	1970	31	0.18	<5	10	1465	<10
20194		20	4.37	70	2.49	1035	3	2.73	53	2080	47	0.13	<5	10	2410	<10
20195		20	4.91	90	2.43	1135	5	2.53	45	1880	49	0.25	<5	10	2300	<10
20196		20	4.57	60	1.64	948	14	3.00	36	1520	25	0.12	<5	9	1205	<10
20197		20	4.24	70	1.74	1065	23	2.94	35	1640	43	0.07	<5	10	1260	<10
20198		20	4.05	60	3.06	1265	5	1.68	93	1210	35	0.19	<5	13	1010	<10
20199		20	3.31	60	2.68	1000	10	2.56	141	900	38	0.21	<5	12	1140	<10
20200		10	2.59	60	2.03	943	13	3.23	206	370	22	0.37	<5	21	826	<10
20201		10	2.36	60	1.92	937	13	3.13	189	340	18	0.37	<5	20	805	<10
20202		20	3.35	60	2.94	1200	15	1.41	239	860	22	0.44	<5	23	871	<10
20203		20	4.34	120	3.27	1560	2	1.76	67	3530	34	0.30	<5	18	1705	<10
20204		20	4.89	90	1.86	962	2	1.98	42	2030	34	0.25	<5	8	1135	<10
20205		20	4.39	100	1.58	1050	<1	2.36	22	2550	24	0.62	<5	11	1830	<10
20206		20	3.88	70	1.30	1030	3	2.42	19	1800	27	1.92	<5	8	1530	<10
20207		20	4.39	80	1.50	945	5	2.46	93	1490	34	1.85	<5	17	1600	10
20208		10	3.46	60	1.60	723	20	1.94	240	710	15	0.67	<5	29	419	<10
20209		10	3.30	50	1.83	816	25	2.31	220	500	17	0.99	<5	27	599	<10

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Sample Description	Method Analyte Units LOR	ME-ICP61 Ti % 0.01	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
20190		0.22	<10	<10	105	<10	114
20191		0.18	<10	<10	106	10	108
20192		0.15	<10	<10	102	10	95
20193		0.17	<10	<10	101	10	120
20194		0.22	<10	<10	106	<10	116
20195		0.21	<10	<10	108	<10	102
20196		0.16	<10	<10	81	<10	71
20197		0.15	<10	<10	86	10	79
20198		0.15	<10	<10	113	<10	117
20199		0.15	<10	<10	102	<10	90
20200		0.17	<10	10	144	10	102
20201		0.17	<10	10	133	<10	86
20202		0.22	<10	<10	171	10	114
20203		0.27	<10	<10	170	10	115
20204		0.17	<10	<10	108	10	93
20205		0.18	<10	<10	117	10	72
20206		0.15	<10	<10	75	10	46
20207		0.15	<10	<10	150	10	115
20208		0.23	<10	<10	180	10	84
20209		0.20	<10	<10	167	10	86