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: 17-AUG-2011
Account: NORTEX

CERTIFICATE TM11133911

Project: 1916

P.O. No.: 11-127

This report is for 46 Drill Core samples submitted to our lab in Timmins, ON, Canada on 14-JUL-2011.

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
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 TM11133911

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
Y20514		2.90	<0.01	84.4	0.6	7.61	10	830	1.0	2	5.68	<0.5	41	137	153	8.29
Y20515		2.29	0.01		0.5	7.37	<5	2300	4.0	3	3.61	0.6	12	109	27	3.63
Y20516		2.36	<0.01		<0.5	7.56	<5	2430	4.8	2	3.75	<0.5	20	113	252	3.55
Y20517		2.22	0.01		0.7	7.16	<5	2350	3.8	<2	2.78	<0.5	12	131	28	3.45
Y20518		2.45	0.01		<0.5	7.07	<5	2570	3.6	<2	2.97	<0.5	22	120	40	3.47
Y20519		2.61	0.04		0.5	7.82	<5	1400	3.2	<2	2.66	<0.5	17	63	69	3.69
Y20520		2.18	<0.01		<0.5	3.93	16	70	2.6	<2	6.77	<0.5	66	1210	70	6.22
Y20521		0.12	1.12		<0.5	8.72	5	140	3.4	<2	2.76	<0.5	24	74	28	6.07
Y20522		2.62	0.03	91.0	<0.5	3.54	50	20	0.8	<2	5.71	<0.5	74	1310	43	6.38
Y20523		2.17	0.02		<0.5	3.76	9	60	0.8	<2	6.63	<0.5	68	1210	51	6.29
Y20524		2.38	0.01		<0.5	5.72	11	280	2.2	<2	7.40	<0.5	53	671	72	6.96
Y20525		2.13	0.04		<0.5	3.64	19	100	3.4	<2	8.60	<0.5	85	1270	135	7.54
Y20526		1.19	0.05		0.6	7.88	5	1750	3.6	<2	4.06	<0.5	12	62	56	3.63
Y20527		1.61	0.03		<0.5	6.23	6	830	4.0	<2	7.72	<0.5	41	672	129	7.06
Y20528		1.86	<0.01		<0.5	5.12	11	390	1.4	<2	6.90	<0.5	66	941	115	7.65
Y20529		1.71	0.01		<0.5	8.40	5	1830	0.6	<2	5.60	<0.5	56	437	190	9.06
Y20530		2.29	<0.01		<0.5	6.61	8	580	2.4	<2	7.66	<0.5	43	480	39	6.62
Y20531		1.77	<0.01		<0.5	4.31	9	120	2.2	<2	9.32	<0.5	66	1200	94	7.12
Y20532		1.53	<0.01		<0.5	5.93	10	170	3.1	<2	8.38	<0.5	53	703	114	6.94
Y20533		2.32	0.83		1.8	7.54	9	1630	1.7	<2	5.10	<0.5	10	33	161	3.23
Y20534		2.44	1.51		1.0	7.18	<5	1780	2.7	2	2.44	<0.5	9	31	67	3.21
Y20535		2.13	1.93		0.9	7.17	7	2020	4.2	<2	3.04	<0.5	12	53	66	3.32
Y20536		2.58	0.71		0.5	7.45	7	2350	4.8	<2	4.38	<0.5	16	103	33	4.33
Y20537		2.33	0.81		0.7	6.19	<5	1510	2.6	<2	3.86	<0.5	17	91	61	3.55
Y20538		2.13	1.56		0.7	8.05	<5	1750	3.2	<2	3.92	<0.5	15	78	68	4.04
Y20539		2.36	0.52		0.7	6.80	8	1660	1.8	<2	3.23	<0.5	9	25	41	2.80
Y20540		2.24	0.70		1.8	6.82	9	1650	1.7	<2	4.12	<0.5	11	20	63	3.31
Y20541		0.57	<0.01		<0.5	2.63	<5	80	0.5	<2	40.2	<0.5	8	33	83	1.48
Y20542		1.75	0.17		1.3	7.16	5	2000	2.9	<2	4.49	<0.5	8	22	98	2.98
Y20543		2.04	0.10		<0.5	7.77	6	2480	3.8	<2	3.56	<0.5	8	25	35	3.29
Y20544		1.99	0.19		<0.5	7.29	<5	2020	3.9	<2	4.56	<0.5	8	23	62	3.33
Y20545		2.15	0.55		0.5	8.10	<5	2310	3.9	<2	2.39	<0.5	4	25	21	2.96
Y20546		2.26	0.99		<0.5	7.39	7	2230	3.9	<2	2.97	<0.5	10	22	44	3.02
Y20547		2.36	0.14		0.5	7.77	<5	2390	4.2	<2	2.53	<0.5	7	30	46	3.19
Y20548		1.72	0.17		0.6	7.74	6	2760	3.1	<2	2.51	<0.5	8	27	24	3.28
Y20549		1.60	0.11		1.0	8.24	7	2970	3.4	<2	2.49	<0.5	10	28	69	3.50
Y20550		2.15	0.04		0.9	7.90	8	2600	3.1	<2	3.38	<0.5	12	25	131	3.53
Y20551		2.45	0.04		0.6	7.87	7	2750	3.0	<2	2.97	<0.5	12	25	120	3.76
Y20552		2.71	0.03		0.7	7.30	12	2480	2.7	<2	4.61	<0.5	18	51	128	4.27
Y20553		1.52	<0.01		<0.5	5.22	9	2890	2.8	<2	5.82	<0.5	23	223	129	3.90

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CERTIFICATE OF ANALYSIS TM11133911

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
Y20514		20	1.92	10	3.99	1580	<1	1.51	121	460	11	0.06	<5	31	459	<10
Y20515		20	5.83	70	1.77	725	1	1.44	68	1510	57	0.10	<5	9	1160	<10
Y20516		20	5.17	70	1.83	798	<1	2.57	71	1630	30	0.14	<5	8	903	<10
Y20517		20	4.84	70	1.55	664	<1	2.44	70	1600	23	0.07	<5	8	860	<10
Y20518		20	5.02	70	1.62	660	1	2.71	77	1710	34	0.17	<5	8	780	<10
Y20519		20	1.94	70	1.49	696	91	4.93	29	1360	30	1.78	<5	9	745	<10
Y20520		10	1.79	20	12.80	1340	20	0.06	966	90	4	0.27	<5	20	124	<10
Y20521		20	3.67	10	1.91	520	1	3.75	77	1180	64	3.42	<5	6	363	<10
Y20522		10	0.29	10	14.20	1015	1	0.04	1110	80	3	0.97	<5	21	86	<10
Y20523		10	0.57	10	13.30	1245	7	0.07	915	80	4	1.38	<5	22	109	<10
Y20524		20	1.69	90	8.85	1655	3	1.69	479	1670	11	0.92	<5	27	728	<10
Y20525		10	0.79	20	11.05	1705	35	0.15	1115	120	36	3.39	<5	22	249	<10
Y20526		20	2.66	110	2.52	876	37	4.22	72	1360	66	0.27	<5	7	1010	<10
Y20527		20	3.28	60	6.76	1840	30	0.99	412	1050	25	0.53	<5	26	704	<10
Y20528		10	1.50	10	10.50	1570	8	0.42	805	310	53	0.86	<5	25	247	<10
Y20529		20	2.97	10	5.79	1545	1	1.47	332	380	26	0.33	<5	34	628	<10
Y20530		20	1.99	70	6.11	1720	7	2.39	266	1710	53	0.09	<5	30	776	<10
Y20531		10	2.09	20	9.46	2320	3	0.46	881	280	64	0.11	<5	23	412	<10
Y20532		20	1.68	40	7.30	2130	3	2.23	469	1170	39	0.73	<5	30	793	<10
Y20533		20	4.96	100	2.00	825	15	2.52	25	1230	195	1.81	<5	5	603	<10
Y20534		20	5.11	70	1.12	503	<1	1.97	14	1010	49	2.05	<5	5	463	<10
Y20535		20	4.66	60	1.30	663	<1	2.05	23	1400	36	1.89	<5	8	697	<10
Y20536		20	4.94	80	2.05	1055	<1	2.61	47	2050	30	0.84	<5	13	759	<10
Y20537		20	4.71	60	1.73	743	<1	1.95	41	1510	35	2.22	<5	10	548	<10
Y20538		20	5.49	90	1.55	777	1	2.68	35	1810	34	2.49	<5	11	813	<10
Y20539		20	4.78	110	1.16	543	4	2.49	9	930	45	1.88	<5	5	467	<10
Y20540		20	5.25	320	1.51	750	32	1.87	11	1110	130	2.37	<5	6	453	<10
Y20541		<10	0.71	170	1.27	301	3	0.17	53	960	7	1.57	7	4	1910	<10
Y20542		20	5.21	90	1.62	929	4	2.45	9	1100	148	1.54	<5	5	668	<10
Y20543		20	5.49	70	1.63	990	<1	2.91	11	1150	39	0.69	<5	5	749	<10
Y20544		20	5.35	110	1.79	952	3	2.65	11	1090	33	0.90	<5	5	640	<10
Y20545		20	5.27	60	0.89	541	<1	2.72	8	1170	22	0.64	<5	5	646	<10
Y20546		20	5.13	60	1.01	702	<1	2.70	8	1140	22	1.52	<5	5	750	<10
Y20547		20	5.17	60	1.40	824	<1	3.26	10	1260	24	0.40	<5	5	854	<10
Y20548		20	5.58	50	1.09	793	3	3.02	8	1120	77	0.54	<5	5	1080	<10
Y20549		20	5.96	60	1.03	740	<1	3.10	12	1260	195	0.26	<5	6	1360	<10
Y20550		20	5.65	70	1.68	866	2	2.58	19	1750	122	0.75	<5	5	859	<10
Y20551		20	5.61	80	1.66	835	2	2.38	20	1810	97	0.79	<5	6	882	<10
Y20552		20	4.89	100	2.70	1090	4	1.97	61	2930	76	0.59	<5	7	977	<10
Y20553		10	3.54	100	3.66	1040	<1	0.92	189	3650	396	0.15	<5	11	1170	<10

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Finalized Date: 17-AUG-2011
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Project: 1916

CERTIFICATE OF ANALYSIS TM11133911

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
Y20514		0.53	<10	<10	236	<10	124
Y20515		0.27	<10	<10	86	<10	76
Y20516		0.27	<10	<10	84	<10	60
Y20517		0.27	<10	<10	84	<10	57
Y20518		0.29	<10	<10	83	20	59
Y20519		0.26	<10	<10	91	<10	50
Y20520		0.21	<10	<10	136	<10	170
Y20521		0.61	<10	<10	73	<10	58
Y20522		0.19	<10	<10	124	<10	124
Y20523		0.20	<10	<10	125	<10	119
Y20524		0.39	<10	<10	181	<10	171
Y20525		0.18	<10	<10	120	<10	197
Y20526		0.25	<10	<10	96	20	75
Y20527		0.48	<10	<10	196	20	167
Y20528		0.31	<10	<10	160	<10	177
Y20529		0.53	<10	<10	241	<10	155
Y20530		0.48	<10	<10	211	10	192
Y20531		0.24	<10	<10	152	10	301
Y20532		0.40	<10	<10	194	<10	284
Y20533		0.16	<10	<10	69	10	84
Y20534		0.16	<10	<10	76	10	45
Y20535		0.23	<10	<10	103	10	63
Y20536		0.35	<10	<10	117	10	81
Y20537		0.28	<10	<10	110	10	66
Y20538		0.29	<10	<10	137	10	73
Y20539		0.14	<10	<10	61	10	44
Y20540		0.14	<10	<10	80	20	69
Y20541		0.14	<10	10	92	<10	342
Y20542		0.16	<10	<10	66	30	86
Y20543		0.19	<10	<10	80	40	97
Y20544		0.20	<10	<10	84	20	83
Y20545		0.21	<10	<10	96	20	38
Y20546		0.19	<10	<10	64	10	52
Y20547		0.19	<10	<10	80	10	85
Y20548		0.21	<10	<10	83	10	81
Y20549		0.22	<10	<10	84	10	76
Y20550		0.21	<10	<10	82	20	117
Y20551		0.21	<10	<10	88	10	109
Y20552		0.25	<10	<10	115	10	123
Y20553		0.28	<10	<10	92	<10	143

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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
Y20554		1.80	0.08		0.6	6.64	8	2480	4.7	2	4.34	<0.5	19	137	88	4.19
Y20555		2.02	0.04		0.7	7.39	5	1480	2.4	2	2.33	<0.5	13	22	104	3.69
Y20556		2.51	1.27		1.3	6.91	<5	3010	2.7	3	2.56	<0.5	11	26	133	3.77
Y20557		2.15	1.25		1.2	6.93	<5	2670	1.9	2	2.21	<0.5	10	19	34	3.36
Y20558		1.92	0.05		0.6	6.71	5	1310	1.9	2	2.49	<0.5	19	38	240	4.64
Y20559		1.34	1.39		1.7	7.11	<5	1310	1.8	<2	3.01	<0.5	22	40	36	5.57

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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	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
Y20554		20	4.31	90	2.96	905	4	1.16	102	2810	38	0.62	<5	9	1180	<10
Y20555		20	4.90	60	1.43	729	11	2.92	11	1320	65	0.68	<5	5	598	<10
Y20556		20	4.98	80	1.37	736	<1	2.64	17	1400	62	1.15	<5	6	958	<10
Y20557		20	5.15	110	1.06	640	<1	2.68	7	1230	48	1.52	<5	5	1070	<10
Y20558		20	5.51	60	1.84	847	10	2.31	23	2490	65	0.66	<5	8	489	<10
Y20559		20	5.83	80	1.85	785	3	2.04	23	2680	59	1.70	<5	10	463	<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
Y20554		0.26	<10	<10	100	10	120
Y20555		0.19	<10	<10	93	10	101
Y20556		0.16	<10	<10	129	10	106
Y20557		0.15	<10	<10	79	10	89
Y20558		0.23	<10	<10	126	10	154
Y20559		0.25	<10	<10	152	10	145