



1020 Cordova St. East Vancouver BC V6A 4A3 Canada

Acme Analytical Laboratories (Vancouver) Ltd.

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**Client:** Aldrin Resource Corporation

Suite 2020 - 401 W. Georgia Street  
Vancouver BC V6B 5A1 Canada

Submitted By: Bert Jeffries

Receiving Lab: Canada-Whitehorse

Received: August 18, 2010

Report Date: September 02, 2010

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## CERTIFICATE OF ANALYSIS

WHI10000297.1

### CLIENT JOB INFORMATION

Project: Longline  
Shipment ID: ALN10-02-01  
P.O. Number  
Number of Samples: 141

### SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp After 90 days  
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

Invoice To: Equity Exploration Consultants Ltd.  
200 - 900 W. Hastings St.  
Vancouver BC V6C 1E5  
Canada

CC: Cam Bartsch

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
SS80	141	Dry at 60C sieve 100g to -80 mesh			VAN
Dry at 60C	141	Dry at 60C			VAN
1DX2	141	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
RJSV	141	Saving all or part of Soil Reject			VAN

### ADDITIONAL COMMENTS



This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.  
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only.  
\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Longline

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Part 1

## CERTIFICATE OF ANALYSIS

WHI10000297.1

	Method Analyte	Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
			ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
E859001	Soil		0.6	20.7	11.6	36	0.7	12.1	5.9	190	1.94	508.9	1.0	57.9	1.1	27	0.2	1.0	0.2	42	0.25
E859002	Soil		0.4	23.9	8.9	48	0.3	17.2	8.0	233	2.37	124.7	0.7	18.5	3.9	28	0.1	0.7	0.2	57	0.34
E859003	Soil		0.5	22.9	11.8	57	0.4	18.6	9.8	371	3.10	181.2	0.8	13.7	6.5	28	0.2	0.8	0.6	67	0.34
E859004	Soil		0.4	16.6	8.8	50	0.2	14.0	7.4	285	2.33	132.2	0.9	7.5	6.7	27	0.2	0.6	0.4	52	0.36
E859005	Soil		0.7	24.2	13.6	57	0.7	17.6	8.7	358	2.98	228.2	1.3	17.0	7.1	29	0.1	1.0	0.6	67	0.35
E859006	Soil		0.7	19.1	9.5	41	0.4	14.8	6.7	230	2.48	631.2	0.8	75.8	1.3	26	0.2	0.7	0.2	58	0.28
E859007	Soil		0.4	25.1	8.3	47	0.3	20.0	7.0	243	2.62	283.3	0.8	23.5	3.2	34	<0.1	0.7	0.2	60	0.42
E859008	Soil		0.7	25.1	27.5	84	2.2	20.8	8.7	340	2.97	656.0	1.1	81.3	3.5	27	0.3	1.7	0.3	64	0.31
E859009	Soil		0.8	23.9	17.7	59	0.5	19.7	9.9	395	2.96	167.4	1.2	11.5	3.8	25	0.2	0.6	0.4	65	0.30
E859010	Soil		0.9	27.1	13.0	59	0.6	24.6	10.7	395	3.15	133.3	1.1	17.6	3.7	27	0.1	0.6	0.3	71	0.32
E859011	Soil		1.2	29.3	11.0	65	0.3	26.3	13.4	606	3.38	123.9	1.7	10.0	6.1	35	0.2	1.1	0.1	74	0.44
E859012	Soil		1.2	28.4	10.9	61	0.3	28.4	13.9	606	3.37	185.5	1.8	12.7	5.2	35	0.2	1.1	0.2	76	0.48
E859013	Soil		1.8	19.3	5.3	29	0.6	12.4	7.2	837	1.39	39.9	2.7	6.3	0.6	29	0.1	0.6	<0.1	30	0.41
E859014	Soil		0.8	21.5	8.7	52	0.3	20.0	8.6	274	2.46	50.1	0.8	8.0	4.3	28	0.1	0.6	<0.1	58	0.39
E859015	Soil		1.1	30.7	18.2	69	1.0	26.8	11.1	472	3.11	172.6	1.2	13.3	5.8	40	0.2	1.0	0.2	70	0.55
E859016	Soil		1.1	27.0	22.2	61	0.7	23.4	8.7	345	2.82	186.0	1.1	15.0	5.6	30	0.2	0.9	0.1	65	0.40
E859017	Soil		2.0	28.3	28.3	72	1.2	20.5	8.3	344	2.73	267.8	1.2	19.4	7.8	36	0.2	1.6	0.2	63	0.49
E859018	Soil		1.3	28.7	48.7	74	2.0	20.3	9.7	491	2.78	184.9	1.7	16.3	6.8	30	0.5	1.2	0.2	67	0.38
E859019	Soil		0.8	23.5	12.8	53	0.3	21.3	10.3	394	2.93	32.8	0.9	5.7	5.3	22	0.2	0.5	0.1	66	0.25
E859020	Soil		0.5	31.5	11.6	55	0.2	22.2	9.8	386	2.97	81.4	1.0	13.6	7.4	33	0.1	0.8	0.2	69	0.40
E859021	Soil		0.5	29.1	13.6	57	0.4	23.6	9.8	360	3.12	107.7	1.1	14.1	7.5	31	0.2	0.7	0.1	70	0.39
E859022	Soil		1.2	27.3	35.0	66	0.7	21.6	9.4	352	3.08	249.1	2.3	22.4	6.3	34	0.3	1.1	0.2	66	0.45
E859023	Soil		2.0	24.9	27.1	68	1.0	16.3	9.4	361	2.90	419.7	1.9	47.7	7.3	31	0.3	1.7	0.3	63	0.39
E859024	Soil		5.9	38.9	63.2	118	4.6	27.6	13.5	571	5.68	1745	4.9	145.0	6.0	35	0.5	2.2	1.0	80	0.40
E859025	Soil		1.4	23.2	50.0	68	1.5	20.1	9.8	374	2.72	446.4	1.0	44.5	4.0	26	0.3	1.2	2.1	58	0.35
E859026	Soil		1.3	25.5	23.1	72	0.5	23.9	10.1	383	3.07	174.7	0.8	34.9	3.9	26	0.3	0.7	0.2	71	0.33
E859027	Soil		1.4	20.9	16.0	70	0.2	19.1	10.2	675	2.89	607.9	0.6	32.9	3.8	28	0.3	0.9	0.2	63	0.34
E859028	Soil		1.4	30.4	10.6	60	0.3	22.4	9.4	416	3.12	87.8	1.0	21.8	5.1	39	0.1	0.6	0.2	68	0.50
E859029	Soil		1.3	26.0	9.0	56	0.1	19.5	7.5	254	2.88	72.6	1.0	7.9	5.4	34	0.1	0.5	0.2	65	0.43
E859030	Soil		4.4	20.0	7.8	52	<0.1	17.0	7.4	279	2.50	33.0	0.8	15.0	5.0	22	0.1	0.4	0.1	63	0.28



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Project: Longline  
Report Date: September 02, 2010

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WHI10000297.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E859001	Soil	14	21	0.34	143	0.055	1	1.50	0.017	0.06	10.2	0.03	2.2	<0.1	<0.05	5	<0.5	<0.2
E859002	Soil	15	27	0.57	179	0.107	2	1.82	0.015	0.05	1.4	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
E859003	Soil	19	32	0.63	235	0.126	2	2.23	0.016	0.10	1.6	0.03	4.3	<0.1	<0.05	6	<0.5	<0.2
E859004	Soil	23	24	0.58	176	0.118	1	1.48	0.015	0.08	1.8	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
E859005	Soil	25	31	0.60	234	0.120	1	2.09	0.014	0.10	3.1	0.03	4.6	<0.1	<0.05	6	<0.5	<0.2
E859006	Soil	11	23	0.45	130	0.084	2	1.54	0.014	0.05	6.9	0.03	2.6	<0.1	<0.05	6	<0.5	<0.2
E859007	Soil	14	29	0.61	184	0.105	2	1.79	0.017	0.05	2.6	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
E859008	Soil	13	29	0.63	159	0.102	1	2.14	0.015	0.07	7.7	0.04	3.7	<0.1	<0.05	6	<0.5	<0.2
E859009	Soil	14	30	0.63	191	0.116	2	2.20	0.016	0.07	0.5	0.02	3.9	0.1	<0.05	6	<0.5	<0.2
E859010	Soil	11	33	0.68	187	0.126	1	2.51	0.017	0.07	0.5	0.03	4.1	0.1	<0.05	7	<0.5	<0.2
E859011	Soil	15	44	0.77	235	0.140	1	2.03	0.023	0.09	1.1	0.04	6.2	0.1	<0.05	6	<0.5	<0.2
E859012	Soil	14	51	0.78	227	0.144	1	2.10	0.028	0.09	1.3	0.03	6.3	0.1	<0.05	6	<0.5	<0.2
E859013	Soil	9	15	0.26	152	0.042	<1	1.09	0.033	0.05	0.2	0.04	2.2	<0.1	<0.05	3	<0.5	<0.2
E859014	Soil	12	32	0.69	170	0.122	1	1.72	0.019	0.08	0.7	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
E859015	Soil	16	40	0.74	283	0.114	1	1.91	0.043	0.10	0.6	0.03	6.2	0.1	<0.05	5	<0.5	<0.2
E859016	Soil	15	33	0.67	294	0.116	1	2.08	0.019	0.07	0.6	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
E859017	Soil	17	32	0.59	260	0.115	1	1.42	0.030	0.08	0.7	0.02	5.0	<0.1	<0.05	4	<0.5	<0.2
E859018	Soil	18	32	0.54	268	0.108	1	2.04	0.017	0.07	0.5	0.04	4.7	<0.1	<0.05	6	<0.5	<0.2
E859019	Soil	15	30	0.48	284	0.089	1	2.32	0.017	0.06	0.2	0.03	3.8	<0.1	<0.05	7	<0.5	<0.2
E859020	Soil	17	36	0.64	258	0.130	2	2.13	0.022	0.07	0.3	0.02	5.8	<0.1	<0.05	6	<0.5	<0.2
E859021	Soil	18	37	0.65	303	0.123	1	2.30	0.018	0.07	0.3	0.02	5.6	<0.1	<0.05	6	<0.5	<0.2
E859022	Soil	16	36	0.65	223	0.135	1	2.28	0.023	0.08	1.6	0.03	6.2	0.1	<0.05	6	<0.5	<0.2
E859023	Soil	18	36	0.45	171	0.116	1	2.08	0.022	0.09	4.0	0.04	6.3	0.1	<0.05	6	<0.5	<0.2
E859024	Soil	18	47	0.51	288	0.085	1	3.36	0.016	0.12	6.8	0.10	9.5	0.1	<0.05	8	0.7	<0.2
E859025	Soil	15	30	0.52	186	0.101	<1	2.08	0.018	0.07	2.8	0.03	4.2	<0.1	<0.05	6	<0.5	<0.2
E859026	Soil	13	31	0.64	165	0.119	1	2.28	0.017	0.07	1.0	0.03	4.2	<0.1	<0.05	7	<0.5	<0.2
E859027	Soil	13	27	0.53	153	0.100	1	1.73	0.019	0.08	1.7	0.03	3.5	<0.1	<0.05	6	<0.5	<0.2
E859028	Soil	17	38	0.63	218	0.121	1	2.16	0.025	0.07	0.7	0.05	6.6	<0.1	<0.05	6	<0.5	<0.2
E859029	Soil	16	35	0.60	207	0.125	1	1.98	0.021	0.07	0.5	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2
E859030	Soil	14	27	0.54	140	0.122	1	1.78	0.016	0.10	0.3	0.03	4.0	0.1	<0.05	6	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01
E859031	Soil	1.0	35.0	7.5	60	<0.1	23.9	9.3	338	3.12	36.8	0.9	4.4	5.6	39	<0.1	0.6	0.1	76	0.50
E859032	Soil	0.5	25.0	19.1	71	1.6	21.2	10.1	254	2.62	115.6	3.1	26.1	3.8	36	0.3	5.3	0.2	68	0.53
E859033	Soil	0.6	24.3	21.2	87	2.0	24.3	12.2	367	3.28	168.2	1.4	126.5	3.1	42	0.3	5.2	0.2	73	0.62
E859034	Soil	0.6	22.5	16.1	80	0.7	19.7	12.7	314	3.10	89.0	1.6	17.4	4.3	39	0.3	2.5	0.2	72	0.52
E859035	Soil	0.8	19.2	16.6	76	0.3	18.5	12.6	446	3.25	96.8	1.3	9.0	4.8	31	0.2	2.2	0.1	70	0.46
E859036	Soil	0.3	6.5	4.4	19	0.1	3.9	2.3	124	0.62	16.4	0.5	4.0	0.6	20	<0.1	0.3	<0.1	15	0.26
E859037	Soil	1.2	17.0	13.8	57	0.3	15.5	10.2	465	3.02	159.3	1.4	8.6	3.3	28	0.2	0.9	0.2	62	0.35
E859038	Soil	0.7	20.5	18.2	58	0.3	16.3	8.0	217	2.26	104.6	1.7	10.7	4.0	32	0.4	1.1	0.2	67	0.42
E859039	Soil	1.1	22.5	16.4	62	0.4	19.2	10.9	271	2.92	159.5	1.7	11.1	4.5	33	0.4	1.0	0.2	65	0.43
E859040	Soil	0.8	26.2	16.8	53	0.3	16.9	8.1	293	2.78	112.8	1.5	12.6	5.1	26	0.3	1.0	0.2	69	0.36
E859041	Soil	0.5	19.0	20.1	66	1.0	24.5	13.4	214	3.12	136.4	1.2	10.8	3.4	37	0.2	2.9	0.2	66	0.51
E859042	Soil	0.3	23.6	13.9	64	0.8	25.8	10.3	149	2.16	43.5	1.2	9.7	2.0	43	0.3	2.3	0.1	43	0.74
E859043	Soil	0.6	22.4	17.1	78	0.9	21.2	13.4	618	3.02	245.1	1.7	20.6	2.6	41	0.3	2.5	0.3	70	0.56
E859044	Soil	0.7	28.2	15.7	81	1.1	28.0	15.9	718	3.35	235.6	2.1	111.1	3.1	57	0.4	3.0	0.2	64	0.72
E859045	Soil	0.9	28.9	19.7	82	1.5	19.4	13.9	912	3.13	297.0	2.6	27.3	3.4	36	0.8	5.0	0.3	72	0.54
E859046	Soil	0.6	21.1	8.2	33	8.7	7.7	2.9	370	0.94	92.0	1.4	70.9	0.3	33	0.8	3.3	0.1	20	0.46
E859047	Soil	0.8	28.4	62.2	110	6.8	24.3	9.5	269	3.34	351.5	1.7	65.2	2.8	31	0.3	4.8	0.3	70	0.44
E859048	Soil	1.7	47.8	60.0	124	44.5	22.7	7.8	417	3.09	551.7	3.1	294.9	1.7	42	0.6	6.4	0.4	57	0.49
E859049	Soil	1.6	40.1	70.2	109	14.9	22.4	9.8	653	3.00	618.8	1.8	156.1	2.0	34	0.7	4.4	0.3	62	0.41
E859050	Soil	2.0	26.8	12.9	58	0.9	22.3	9.4	331	2.67	67.5	1.4	14.4	2.8	30	0.2	0.7	0.2	65	0.42
E859051	Soil	0.5	20.8	11.9	52	1.0	18.1	7.9	250	2.61	326.8	0.9	32.1	4.5	28	0.2	1.1	0.2	57	0.38
E859052	Soil	0.4	21.5	13.0	49	0.2	18.5	10.2	387	2.49	111.0	0.7	7.2	5.1	26	<0.1	0.6	0.3	60	0.38
E859053	Soil	0.6	20.4	10.8	46	0.3	19.0	8.8	192	2.42	131.2	0.6	15.8	3.4	21	0.1	0.5	0.2	57	0.29
E859054	Soil	0.5	26.7	8.8	58	0.1	19.2	7.7	289	2.72	100.8	0.9	10.8	6.6	30	<0.1	0.5	0.2	65	0.41
E859055	Soil	0.6	20.4	13.4	42	0.2	15.6	7.2	291	2.41	83.8	0.7	8.7	4.1	25	0.2	0.6	0.2	55	0.31
E859056	Soil	0.6	26.0	9.7	49	0.2	20.3	8.4	264	2.43	45.0	0.7	4.5	2.7	24	0.2	0.5	0.2	60	0.31
E859057	Soil	0.6	23.9	9.1	32	0.3	12.8	4.9	123	1.70	55.8	0.8	2.4	0.9	21	0.3	0.4	0.3	41	0.22
E859058	Soil	0.8	26.5	9.1	55	0.2	22.3	9.1	295	2.97	24.3	0.9	2.8	6.0	33	<0.1	0.5	0.3	68	0.43
E859059	Soil	0.7	19.2	9.6	55	0.3	16.2	8.7	328	2.58	23.2	0.6	3.3	3.6	22	0.2	0.6	0.2	60	0.29
E859060	Soil	0.6	17.1	11.8	37	0.4	11.0	4.8	157	1.86	69.9	0.7	7.7	3.2	17	0.1	0.5	0.3	44	0.19



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Project: Longline  
Report Date: September 02, 2010

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E859031	Soil	16	40	0.71	200	0.155	2	2.20	0.023	0.09	0.4	0.03	6.9	0.2	<0.05	6	<0.5	<0.2
E859032	Soil	13	36	0.74	176	0.165	1	2.22	0.024	0.15	1.1	0.05	5.7	0.1	<0.05	7	0.5	<0.2
E859033	Soil	12	39	0.79	209	0.143	<1	2.30	0.026	0.11	1.1	0.05	5.2	0.1	<0.05	7	<0.5	<0.2
E859034	Soil	13	32	0.70	237	0.107	1	2.14	0.021	0.10	0.7	0.04	5.9	0.1	0.06	7	<0.5	<0.2
E859035	Soil	12	29	0.73	194	0.107	<1	2.03	0.022	0.09	0.7	0.02	5.2	0.1	<0.05	6	<0.5	<0.2
E859036	Soil	4	7	0.17	67	0.030	<1	0.48	0.036	0.03	0.1	0.02	1.1	<0.1	0.06	2	<0.5	<0.2
E859037	Soil	9	25	0.49	170	0.082	1	1.59	0.016	0.06	0.8	0.04	3.8	<0.1	<0.05	5	<0.5	<0.2
E859038	Soil	12	28	0.53	230	0.086	2	1.88	0.016	0.05	1.0	0.05	4.8	<0.1	<0.05	6	<0.5	<0.2
E859039	Soil	12	30	0.55	206	0.099	2	1.87	0.016	0.06	0.9	0.04	5.0	<0.1	<0.05	6	<0.5	<0.2
E859040	Soil	12	35	0.50	174	0.116	1	1.86	0.015	0.06	0.9	0.03	5.7	<0.1	<0.05	6	<0.5	<0.2
E859041	Soil	11	25	0.85	181	0.108	1	2.04	0.023	0.10	0.5	0.04	3.9	0.1	<0.05	7	<0.5	<0.2
E859042	Soil	14	22	0.74	172	0.093	1	1.85	0.035	0.09	0.4	0.04	3.3	0.1	0.08	6	<0.5	<0.2
E859043	Soil	10	28	0.77	201	0.106	1	2.04	0.019	0.07	0.7	0.04	4.3	0.1	<0.05	7	<0.5	<0.2
E859044	Soil	15	29	1.04	240	0.124	1	2.16	0.030	0.17	0.7	0.03	4.8	0.2	<0.05	7	<0.5	<0.2
E859045	Soil	13	28	0.68	177	0.106	1	1.86	0.017	0.10	0.6	0.04	5.5	0.1	0.06	6	<0.5	<0.2
E859046	Soil	8	13	0.19	136	0.025	1	0.98	0.020	0.03	0.2	0.07	1.6	<0.1	0.09	3	0.7	<0.2
E859047	Soil	11	34	0.81	213	0.097	2	2.38	0.019	0.10	1.0	0.04	4.9	<0.1	<0.05	7	<0.5	<0.2
E859048	Soil	14	36	0.54	295	0.053	1	3.11	0.019	0.11	1.4	0.13	6.9	0.1	0.10	7	0.8	<0.2
E859049	Soil	12	31	0.60	205	0.073	1	2.14	0.018	0.08	2.8	0.05	4.5	<0.1	<0.05	6	<0.5	<0.2
E859050	Soil	12	36	0.71	209	0.088	1	2.29	0.019	0.06	0.6	0.04	5.4	<0.1	<0.05	6	<0.5	<0.2
E859051	Soil	19	27	0.60	262	0.086	1	1.99	0.013	0.08	2.7	0.04	3.9	<0.1	<0.05	5	<0.5	<0.2
E859052	Soil	15	29	0.56	199	0.115	1	1.76	0.017	0.06	0.8	0.02	3.8	<0.1	<0.05	6	<0.5	<0.2
E859053	Soil	12	29	0.52	175	0.088	2	2.25	0.012	0.05	1.2	0.05	3.2	<0.1	<0.05	6	<0.5	<0.2
E859054	Soil	22	34	0.60	272	0.112	1	1.84	0.019	0.07	0.9	0.02	4.9	<0.1	<0.05	5	<0.5	<0.2
E859055	Soil	21	25	0.43	432	0.064	<1	1.76	0.014	0.06	0.6	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
E859056	Soil	13	29	0.54	231	0.088	2	1.99	0.016	0.06	0.2	0.03	3.6	<0.1	<0.05	6	<0.5	<0.2
E859057	Soil	11	23	0.32	148	0.060	1	1.41	0.015	0.04	0.2	0.05	2.2	<0.1	<0.05	5	<0.5	<0.2
E859058	Soil	19	33	0.61	346	0.111	1	2.14	0.018	0.07	0.2	0.03	4.7	<0.1	<0.05	6	<0.5	<0.2
E859059	Soil	13	25	0.50	191	0.094	1	1.89	0.015	0.06	0.2	0.03	2.9	<0.1	<0.05	6	<0.5	<0.2
E859060	Soil	12	18	0.33	134	0.070	1	1.51	0.019	0.04	0.1	0.04	2.2	<0.1	<0.05	5	<0.5	<0.2



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		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
E859061	Soil	0.5	24.9	18.0	60	1.0	21.7	10.2	379	2.92	118.5	1.0	17.3	6.7	29	0.2	0.9	0.3	67	0.39	0.058
E859062	Soil	0.4	25.7	35.3	64	2.0	17.1	7.4	188	2.37	35.3	1.5	14.7	7.7	28	0.2	1.1	0.1	69	0.39	0.036
E859063	Soil	0.8	35.5	19.8	64	1.4	22.0	10.4	323	2.83	54.7	2.0	10.6	6.1	39	0.4	0.9	0.1	71	0.54	0.057
E859064	Soil	0.8	29.0	19.8	61	0.8	23.4	10.3	278	2.76	34.4	1.9	9.4	7.7	30	0.3	0.7	0.2	68	0.43	0.047
E859065	Soil	1.6	24.3	37.0	96	2.4	18.9	9.0	503	2.59	109.7	1.5	16.9	5.0	32	0.4	1.0	0.2	60	0.43	0.052
E859066	Soil	1.9	30.3	48.7	118	3.6	19.7	9.3	322	2.84	118.9	2.2	18.8	6.5	40	0.6	1.1	0.2	59	0.57	0.064
E859067	Soil	1.0	21.8	38.1	76	1.3	20.8	10.0	380	2.74	73.2	1.0	18.3	4.8	21	0.4	0.6	0.3	66	0.27	0.039
E859068	Soil	1.5	30.0	48.2	106	3.5	20.7	7.9	374	2.81	194.3	2.0	24.4	8.3	32	0.3	1.2	0.2	64	0.43	0.047
E859069	Soil	0.7	27.0	44.9	94	2.9	24.5	11.4	454	3.10	52.4	1.0	11.2	7.2	23	0.8	0.7	0.1	75	0.31	0.042
E859070	Soil	0.8	29.5	132.3	182	8.7	16.2	7.7	322	2.67	99.7	0.7	28.9	7.8	25	1.8	0.9	0.1	63	0.35	0.045
E859071	Soil	0.6	24.2	34.8	56	5.7	11.7	5.5	144	1.92	55.0	0.9	6.3	1.8	20	0.6	1.1	0.1	45	0.22	0.044
E859072	Soil	0.4	27.9	52.0	63	3.8	19.9	8.2	195	2.39	15.6	0.8	2.2	4.5	26	0.4	1.0	0.1	59	0.34	0.048
E859073	Soil	0.9	22.8	14.6	56	0.5	18.2	7.3	214	2.47	168.4	1.4	25.2	4.9	24	0.3	2.3	0.2	55	0.31	0.045
E859074	Soil	0.9	26.7	13.1	54	0.6	19.3	8.4	405	2.47	158.5	0.9	23.5	3.8	29	0.2	2.4	0.2	56	0.43	0.050
E859075	Soil	1.0	25.4	16.5	52	0.7	17.7	6.9	250	2.51	201.6	1.2	33.0	4.0	25	0.2	2.4	0.2	56	0.33	0.041
E859076	Soil	1.2	22.8	14.6	48	0.7	17.3	6.5	265	2.30	143.9	0.8	18.8	1.9	24	0.2	1.5	0.2	50	0.30	0.039
E859077	Soil	1.2	26.4	14.8	52	0.8	20.1	7.5	292	2.50	209.1	1.3	26.4	4.1	28	<0.1	1.5	0.3	57	0.38	0.049
E859078	Soil	1.3	29.8	14.5	57	0.8	22.6	7.8	317	2.67	234.4	1.1	54.8	4.5	30	0.1	1.4	0.2	61	0.42	0.047
E859079	Soil	0.8	28.2	22.2	65	0.9	20.2	8.7	261	2.83	378.5	0.9	58.6	5.4	29	0.3	8.3	0.2	61	0.42	0.049
E859080	Soil	0.7	29.4	14.3	48	0.7	20.5	7.3	247	2.62	203.1	0.9	34.5	4.1	31	0.1	1.3	0.4	61	0.38	0.042
E859081	Soil	1.5	23.0	19.3	51	0.8	16.9	7.9	271	2.43	328.8	0.9	42.2	3.9	22	0.2	2.1	0.6	55	0.29	0.043
E859082	Soil	0.9	32.7	11.2	61	1.0	21.9	9.4	369	3.05	346.0	1.1	43.5	4.1	33	0.1	2.6	0.1	66	0.42	0.045
E859083	Soil	0.5	23.0	13.2	46	0.6	19.9	7.5	215	2.40	63.6	0.6	19.2	3.4	26	0.1	0.7	0.1	57	0.33	0.039
E859084	Soil	0.6	23.5	17.2	61	1.4	28.9	16.2	309	3.30	236.0	1.3	28.6	3.2	48	0.3	12.2	0.3	72	0.57	0.089
E859085	Soil	2.1	18.5	9.1	58	1.8	16.5	26.1	2378	2.64	337.0	1.3	21.8	0.8	43	0.6	5.7	0.1	49	0.62	0.089
E859086	Soil	1.2	21.8	23.1	60	3.1	13.4	6.9	451	4.06	900.1	2.0	23.0	2.2	32	0.4	4.1	0.3	79	0.46	0.040
E859087	Soil	0.7	23.8	18.0	62	1.0	21.9	11.9	270	2.92	185.6	0.9	20.0	3.3	24	0.1	3.4	0.2	71	0.35	0.050
E859088	Soil	0.7	21.0	13.1	65	0.6	18.1	9.7	415	2.48	187.2	0.9	16.4	2.9	27	0.3	3.8	0.2	60	0.39	0.047
E859089	Soil	1.3	14.8	16.5	53	0.9	14.5	11.7	827	2.53	161.6	0.6	19.0	2.2	25	0.2	1.4	0.2	55	0.37	0.060
E859090	Soil	0.5	9.3	5.5	18	1.2	4.4	2.1	215	0.67	48.5	0.7	22.5	0.3	26	0.2	0.4	<0.1	15	0.36	0.072



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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E859061	Soil	17	30	0.65	339	0.116	1	2.13	0.016	0.07	0.3	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
E859062	Soil	16	31	0.53	228	0.117	1	1.91	0.022	0.05	0.3	0.04	5.3	<0.1	<0.05	5	<0.5	<0.2
E859063	Soil	16	35	0.60	291	0.109	2	1.84	0.033	0.07	0.2	0.04	6.0	<0.1	<0.05	5	<0.5	<0.2
E859064	Soil	16	34	0.61	287	0.121	1	1.95	0.024	0.06	0.3	0.03	5.7	<0.1	<0.05	6	<0.5	<0.2
E859065	Soil	15	30	0.54	351	0.080	1	1.91	0.021	0.07	0.4	0.04	4.3	<0.1	<0.05	6	0.6	<0.2
E859066	Soil	19	33	0.60	408	0.095	1	1.87	0.050	0.08	0.4	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
E859067	Soil	11	28	0.54	193	0.098	2	2.02	0.014	0.05	0.2	0.03	3.3	<0.1	<0.05	5	<0.5	<0.2
E859068	Soil	22	33	0.57	349	0.096	1	1.94	0.023	0.06	0.5	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
E859069	Soil	13	34	0.60	277	0.116	2	2.62	0.016	0.06	0.1	0.04	4.4	<0.1	<0.05	6	<0.5	<0.2
E859070	Soil	16	28	0.52	203	0.115	2	1.70	0.017	0.07	0.3	0.02	3.7	<0.1	<0.05	5	<0.5	<0.2
E859071	Soil	15	21	0.32	161	0.064	1	1.58	0.017	0.05	0.2	0.07	2.6	<0.1	<0.05	5	<0.5	<0.2
E859072	Soil	15	27	0.52	215	0.096	2	1.83	0.017	0.05	0.2	0.04	3.7	<0.1	<0.05	5	0.5	<0.2
E859073	Soil	13	29	0.50	191	0.076	<1	1.74	0.014	0.05	7.0	0.03	5.1	<0.1	<0.05	5	<0.5	<0.2
E859074	Soil	12	30	0.49	189	0.079	1	1.51	0.022	0.07	3.9	0.03	4.9	<0.1	<0.05	4	<0.5	0.2
E859075	Soil	13	30	0.53	188	0.079	1	1.68	0.014	0.07	6.7	0.03	5.0	<0.1	<0.05	5	<0.5	<0.2
E859076	Soil	8	25	0.42	172	0.055	<1	1.62	0.011	0.05	2.8	0.03	3.1	<0.1	<0.05	5	<0.5	<0.2
E859077	Soil	13	29	0.61	183	0.085	<1	1.54	0.015	0.07	1.1	0.02	4.8	<0.1	<0.05	5	<0.5	0.2
E859078	Soil	13	33	0.63	197	0.093	1	1.67	0.016	0.06	1.6	0.02	5.6	<0.1	<0.05	5	<0.5	<0.2
E859079	Soil	13	32	0.60	216	0.090	1	1.61	0.018	0.08	4.2	0.02	5.7	<0.1	<0.05	5	<0.5	<0.2
E859080	Soil	13	33	0.60	228	0.092	<1	1.76	0.014	0.05	2.3	0.02	5.5	<0.1	<0.05	5	<0.5	<0.2
E859081	Soil	12	27	0.45	163	0.075	1	1.64	0.012	0.06	2.8	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
E859082	Soil	14	34	0.64	267	0.090	1	1.91	0.017	0.09	5.0	0.04	5.6	<0.1	<0.05	6	<0.5	<0.2
E859083	Soil	10	28	0.56	215	0.083	<1	1.71	0.011	0.05	0.7	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
E859084	Soil	14	38	0.81	188	0.126	1	2.04	0.025	0.12	1.2	0.03	5.2	0.2	<0.05	6	<0.5	<0.2
E859085	Soil	8	22	0.43	222	0.053	<1	1.31	0.021	0.06	0.8	0.06	3.2	0.1	0.08	4	<0.5	<0.2
E859086	Soil	9	25	0.41	195	0.075	1	1.63	0.010	0.07	0.9	0.05	3.8	<0.1	<0.05	6	<0.5	<0.2
E859087	Soil	9	33	0.67	187	0.087	2	2.14	0.013	0.08	0.9	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
E859088	Soil	9	28	0.61	174	0.080	<1	1.70	0.013	0.06	0.8	0.02	4.2	<0.1	<0.05	6	<0.5	<0.2
E859089	Soil	8	24	0.51	171	0.078	<1	1.63	0.016	0.05	1.0	0.02	3.4	<0.1	<0.05	5	<0.5	<0.2
E859090	Soil	5	8	0.15	83	0.020	<1	0.49	0.018	0.03	0.2	0.03	1.1	<0.1	0.07	2	<0.5	<0.2



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Acme Analytical Laboratories (Vancouver) Ltd.

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Client: **Aldrin Resource Corporation**  
Suite 2020 - 401 W. Georgia Street  
Vancouver BC V6B 5A1 Canada

Project: Longline  
Report Date: September 02, 2010

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## CERTIFICATE OF ANALYSIS

WHI10000297.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 1	% 0.01	ppm 0.5	ppm 0.1	ppb 0.5	ppm 0.1	ppm 1	ppm 0.1	ppm 0.1	ppm 0.1	ppm 2	% 0.01	% 0.001
E859091	Soil	4.1	20.1	7.5	39	1.2	13.3	18.7	8723	1.28	210.2	0.7	24.7	0.2	51	1.1	0.6	0.1	24	0.62	0.096
E859092	Soil	3.4	15.7	10.1	37	1.0	11.7	9.4	2272	1.76	154.7	1.0	16.7	0.9	36	0.6	0.7	0.2	35	0.46	0.082
E859093	Soil	2.4	19.5	12.2	39	1.2	10.5	7.9	952	1.77	128.9	1.3	27.9	0.7	37	0.4	0.6	0.1	32	0.50	0.092
E859094	Soil	2.7	29.4	100.8	60	2.3	21.1	11.9	1915	2.85	261.9	1.9	36.3	2.9	41	0.6	1.8	0.2	59	0.60	0.070
E859095	Soil	2.3	28.0	53.7	74	1.7	24.2	9.4	434	3.17	561.2	1.6	47.7	4.7	33	0.3	1.3	1.1	63	0.50	0.056
E859096	Soil	0.7	29.1	84.0	54	2.6	24.5	9.3	367	2.94	171.4	1.3	48.3	3.7	27	0.1	1.1	0.2	69	0.41	0.058
E859097	Soil	0.6	26.4	29.9	72	1.4	23.2	11.2	425	3.14	701.7	0.8	80.8	3.5	23	0.6	0.8	0.3	66	0.31	0.059
E859098	Soil	0.6	24.5	10.7	60	0.3	26.1	10.9	469	3.00	230.8	0.6	6.6	3.2	22	0.1	0.6	0.2	68	0.35	0.058
E859099	Soil	0.8	24.0	13.6	52	0.3	20.9	9.8	449	2.74	38.2	0.8	2.6	2.3	27	0.2	0.5	0.2	67	0.39	0.049
E859100	Soil	0.6	22.3	9.2	49	<0.1	21.1	7.6	221	2.62	23.3	0.6	1.8	2.2	25	<0.1	0.7	0.1	62	0.39	0.061
E859101	Soil	2.7	17.0	8.1	28	1.9	9.3	6.5	855	1.56	54.3	0.9	12.7	0.4	27	0.3	0.4	0.1	33	0.39	0.072
E859102	Soil	2.1	21.4	16.9	56	0.6	20.6	8.5	230	2.71	101.7	0.8	21.6	3.7	25	0.2	0.6	0.3	64	0.40	0.049
E859103	Soil	2.6	25.4	19.9	62	1.2	20.2	8.8	400	2.80	300.0	1.1	48.3	3.4	27	0.2	0.8	0.3	63	0.40	0.053
E859104	Soil	0.8	25.0	123.6	276	1.5	19.9	9.7	408	2.78	474.2	0.9	94.8	4.2	27	2.8	1.9	0.3	65	0.41	0.060
E859105	Soil	0.3	24.1	11.1	55	0.7	23.2	13.0	220	3.41	430.3	1.2	15.4	3.7	28	0.1	2.2	0.2	76	0.42	0.069
E859106	Soil	0.3	21.3	12.2	51	0.8	24.6	10.8	210	2.79	350.2	1.1	18.9	2.9	33	0.1	2.7	0.2	69	0.53	0.074
E859107	Soil	0.3	19.1	11.2	49	0.7	23.9	9.4	206	2.36	144.0	0.8	40.6	1.8	32	<0.1	1.9	0.2	57	0.50	0.076
E859108	Soil	0.5	14.9	7.2	26	1.6	9.3	8.3	494	0.96	66.3	0.9	18.1	0.2	53	0.4	1.5	0.1	21	0.76	0.096
E859109	Soil	0.7	21.9	10.6	60	0.7	23.3	10.5	393	3.14	318.0	0.7	18.4	2.3	29	0.2	1.8	0.2	80	0.43	0.044
E859110	Soil	0.6	25.8	14.8	83	1.0	24.6	17.0	682	3.97	822.0	0.9	54.2	3.4	28	0.2	4.6	0.4	97	0.50	0.075
E859111	Soil	0.7	24.3	41.9	94	1.3	18.2	16.1	804	4.13	502.8	1.2	33.4	4.4	29	0.4	3.9	0.8	99	0.54	0.082
E859112	Soil	0.8	24.4	33.0	82	1.2	18.5	14.5	736	3.78	367.1	1.2	25.5	3.8	30	0.3	3.1	0.7	94	0.52	0.072
E859113	Soil	0.5	25.4	8.2	58	0.2	23.9	13.6	485	3.53	47.7	0.9	6.4	3.4	28	<0.1	0.7	0.1	88	0.52	0.079
E859114	Soil	0.5	20.8	7.8	66	0.2	18.6	11.2	456	3.40	53.7	0.9	3.2	3.6	26	0.1	0.7	0.1	83	0.49	0.063
E859115	Soil	0.6	26.1	11.1	64	0.6	19.3	12.1	566	3.23	198.1	1.1	20.6	3.0	29	0.1	1.4	0.1	76	0.53	0.059
E859116	Soil	0.8	28.3	10.3	65	0.7	27.1	13.0	725	3.55	293.5	1.2	14.1	3.5	30	0.1	1.3	0.3	84	0.43	0.052
E859117	Soil	0.5	24.9	10.8	76	0.7	24.2	16.0	569	3.76	697.2	0.9	45.5	2.9	39	0.2	2.3	0.2	85	0.66	0.095
E859118	Soil	0.7	27.4	10.2	70	0.7	22.1	13.3	817	3.40	469.6	1.0	20.8	2.9	34	0.1	1.7	0.3	83	0.58	0.072
E859119	Soil	0.6	29.4	10.5	77	0.7	26.2	16.1	660	4.14	791.9	1.0	70.4	3.0	35	<0.1	3.1	0.4	96	0.60	0.093
E859120	Soil	0.6	29.5	18.2	83	2.0	24.1	11.9	571	3.60	469.2	1.4	33.6	2.7	42	0.2	4.3	0.8	84	0.68	0.074





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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E859091	Soil	7	12	0.16	401	0.014	<1	0.74	0.016	0.03	0.5	0.06	1.1	<0.1	0.10	3	<0.5	<0.2
E859092	Soil	8	19	0.28	203	0.033	1	1.19	0.017	0.03	1.0	0.03	2.7	<0.1	0.06	4	<0.5	<0.2
E859093	Soil	10	19	0.29	187	0.030	<1	1.30	0.016	0.04	0.8	0.04	2.6	0.1	0.09	4	<0.5	<0.2
E859094	Soil	15	34	0.57	276	0.073	<1	1.99	0.016	0.07	1.3	0.06	5.8	0.1	<0.05	5	<0.5	<0.2
E859095	Soil	13	36	0.58	218	0.107	1	2.11	0.021	0.10	4.1	0.04	6.5	0.1	<0.05	6	<0.5	0.2
E859096	Soil	13	34	0.66	214	0.114	1	2.11	0.014	0.06	2.3	0.02	5.2	<0.1	<0.05	6	<0.5	<0.2
E859097	Soil	9	31	0.62	151	0.092	<1	2.31	0.013	0.07	2.5	0.03	4.4	<0.1	<0.05	6	<0.5	<0.2
E859098	Soil	9	31	0.64	143	0.101	2	2.12	0.013	0.07	0.2	0.01	4.1	<0.1	<0.05	5	<0.5	<0.2
E859099	Soil	9	29	0.50	175	0.090	2	1.85	0.017	0.07	0.2	0.03	3.9	<0.1	<0.05	6	<0.5	0.2
E859100	Soil	10	31	0.54	146	0.090	1	1.74	0.013	0.06	0.2	0.02	4.1	<0.1	<0.05	5	<0.5	<0.2
E859101	Soil	8	15	0.18	148	0.032	1	1.12	0.022	0.04	0.4	0.05	2.7	<0.1	<0.05	3	<0.5	0.2
E859102	Soil	11	32	0.64	183	0.114	1	1.94	0.016	0.07	1.0	0.02	4.5	<0.1	<0.05	5	<0.5	<0.2
E859103	Soil	12	29	0.57	164	0.097	2	1.86	0.014	0.07	2.3	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
E859104	Soil	13	31	0.59	143	0.102	1	1.67	0.015	0.08	5.0	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
E859105	Soil	13	31	0.72	168	0.109	2	1.90	0.019	0.08	0.7	0.02	4.9	<0.1	<0.05	6	<0.5	0.3
E859106	Soil	12	30	0.73	187	0.096	<1	2.04	0.022	0.06	0.8	0.03	4.5	<0.1	<0.05	6	<0.5	<0.2
E859107	Soil	9	27	0.68	152	0.093	<1	1.92	0.019	0.07	0.9	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
E859108	Soil	8	14	0.26	128	0.023	1	0.90	0.017	0.03	<0.1	0.07	1.2	<0.1	0.11	3	<0.5	<0.2
E859109	Soil	8	31	0.75	148	0.115	2	2.13	0.027	0.07	0.7	0.04	3.5	<0.1	<0.05	7	<0.5	<0.2
E859110	Soil	10	32	1.14	204	0.156	2	2.88	0.031	0.22	1.6	0.02	5.8	0.2	<0.05	8	<0.5	<0.2
E859111	Soil	11	24	1.15	174	0.167	2	2.38	0.030	0.31	1.6	0.02	5.2	0.3	<0.05	8	<0.5	<0.2
E859112	Soil	11	28	1.01	180	0.157	1	2.29	0.025	0.25	1.1	0.03	5.0	0.2	<0.05	8	<0.5	<0.2
E859113	Soil	12	36	1.00	193	0.132	2	2.42	0.032	0.19	0.3	0.02	4.7	0.2	<0.05	7	<0.5	<0.2
E859114	Soil	11	27	0.93	193	0.151	2	2.22	0.022	0.19	1.0	0.02	4.8	0.2	<0.05	7	<0.5	<0.2
E859115	Soil	13	28	0.72	215	0.108	1	2.30	0.022	0.12	0.6	0.03	4.9	0.1	<0.05	7	<0.5	<0.2
E859116	Soil	13	34	0.74	243	0.114	2	2.60	0.024	0.09	0.9	0.04	4.8	0.1	<0.05	7	<0.5	<0.2
E859117	Soil	14	39	1.12	201	0.126	2	2.50	0.054	0.22	6.3	0.02	5.0	0.2	<0.05	7	<0.5	<0.2
E859118	Soil	13	28	0.97	197	0.137	1	2.29	0.027	0.14	1.0	0.03	4.7	0.1	<0.05	7	<0.5	<0.2
E859119	Soil	12	30	1.14	245	0.156	2	2.96	0.026	0.15	1.3	0.04	4.9	0.1	<0.05	8	<0.5	<0.2
E859120	Soil	12	33	0.86	263	0.123	2	2.72	0.028	0.16	0.7	0.06	6.1	0.1	<0.05	7	<0.5	<0.2



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo ppm 0.1	Cu ppm 0.1	Pb ppm 0.1	Zn ppm 1	Ag ppm 0.1	Ni ppm 0.1	Co ppm 0.1	Mn ppm 1	Fe % 0.01	As ppm 0.5	U ppm 0.1	Au ppb 0.5	Th ppm 0.1	Sr ppm 1	Cd ppm 0.1	Sb ppm 0.1	Bi ppm 0.1	V ppm 2	Ca % 0.01	P % 0.001
E859151	Soil	0.5	28.9	7.5	50	<0.1	24.4	9.6	285	3.08	20.1	0.8	8.1	3.6	32	<0.1	0.5	0.1	77	0.45	0.054
E859152	Soil	0.7	23.5	12.1	53	0.1	18.7	7.5	301	2.72	114.2	0.7	4.1	4.1	29	0.1	0.4	0.3	63	0.43	0.053
E859153	Soil	0.5	31.6	13.6	91	1.5	53.0	26.2	600	5.00	49.9	0.6	10.8	2.3	71	0.1	1.9	<0.1	45	1.35	0.293
E859154	Soil	0.7	39.7	8.5	103	1.0	70.8	33.7	732	5.90	43.8	0.4	9.8	2.5	69	0.1	1.3	<0.1	47	1.59	0.464
E859155	Soil	0.5	40.5	16.7	132	1.4	71.8	35.2	788	6.12	150.9	0.5	17.9	2.8	82	0.2	5.0	<0.1	54	1.65	0.352
E859156	Soil	0.5	26.5	17.5	68	1.4	22.8	10.8	433	3.30	376.4	1.4	70.7	3.5	37	0.2	46.2	0.3	84	0.60	0.075
E859157	Soil	0.8	35.9	19.1	75	2.7	21.6	14.6	668	3.72	416.4	1.3	49.4	3.9	38	0.2	2.3	0.3	90	0.66	0.084
E859158	Soil	0.5	23.6	23.0	67	2.3	23.9	10.4	406	3.14	288.9	0.9	22.2	2.7	35	0.2	1.9	0.3	77	0.57	0.075
E859159	Soil	0.5	24.5	25.3	76	2.5	20.3	9.8	411	3.13	275.6	1.3	24.4	3.8	34	0.3	2.1	0.6	71	0.55	0.080
E859160	Soil	0.4	26.2	21.4	69	2.3	19.2	8.4	335	3.07	171.3	1.3	23.5	4.6	32	0.2	1.9	0.4	75	0.58	0.078
E859161	Soil	0.6	28.5	35.9	68	3.4	21.9	9.9	358	3.01	181.0	1.2	31.4	3.9	31	0.2	1.6	0.2	70	0.50	0.061
E859162	Soil	0.6	26.2	20.9	86	1.9	21.0	10.9	428	3.40	106.0	1.0	17.2	3.6	38	0.2	2.5	0.1	74	0.63	0.078
E859163	Soil	0.8	25.0	22.7	63	1.3	20.9	9.1	442	2.96	26.4	1.0	3.1	2.4	29	0.5	0.4	0.5	71	0.42	0.056
E859164	Soil	0.5	23.5	6.4	52	0.1	18.0	9.8	380	3.00	8.9	1.0	2.0	3.1	26	0.1	0.3	0.1	79	0.37	0.049
E859165	Soil	0.6	25.9	7.1	53	0.1	22.5	10.6	394	3.15	8.5	0.9	2.5	3.3	26	<0.1	0.4	0.1	78	0.38	0.059
E859166	Soil	3.0	17.7	6.5	24	0.8	10.0	18.5	1847	2.53	96.5	1.7	5.6	0.7	48	0.1	1.0	0.1	46	0.70	0.116
E859167	Soil	0.7	15.9	3.6	16	0.6	6.5	5.1	253	0.99	32.9	1.0	4.1	0.2	33	0.1	0.6	<0.1	34	0.46	0.093
E859168	Soil	0.5	17.2	10.3	48	0.6	20.4	7.8	194	2.14	51.8	0.6	6.7	1.4	41	0.1	1.2	0.2	48	0.57	0.058
E859169	Soil	0.8	14.1	5.3	24	0.9	9.7	10.7	403	1.33	51.6	0.6	4.9	0.3	39	0.1	0.6	0.1	28	0.50	0.088
E859170	Soil	0.9	35.4	7.8	137	0.2	79.1	44.0	1045	7.54	32.5	0.4	2.5	2.4	80	0.3	0.5	0.1	41	1.91	0.497
E859171	Soil	0.7	23.7	11.1	58	0.5	27.5	11.8	398	3.22	264.0	0.6	10.7	2.3	34	0.2	1.6	0.4	72	0.54	0.070



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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
E859151	Soil	13	36	0.71	205	0.145	2	2.43	0.023	0.08	0.2	0.02	5.0	0.1	<0.05	7	<0.5	<0.2
E859152	Soil	13	31	0.63	142	0.131	1	1.97	0.024	0.11	0.2	0.03	4.6	0.1	<0.05	6	<0.5	<0.2
E859153	Soil	22	19	1.84	215	0.123	1	2.64	0.076	0.24	0.4	0.03	3.0	0.2	<0.05	8	<0.5	<0.2
E859154	Soil	29	17	1.98	312	0.152	1	3.47	0.065	0.34	0.2	0.01	2.8	0.3	<0.05	10	0.5	<0.2
E859155	Soil	30	25	2.48	309	0.136	<1	3.30	0.077	0.35	0.2	0.02	4.0	0.4	<0.05	10	0.7	<0.2
E859156	Soil	13	32	0.84	203	0.145	1	2.39	0.028	0.15	1.4	0.02	5.6	0.1	<0.05	7	<0.5	<0.2
E859157	Soil	14	33	0.96	162	0.150	2	2.24	0.039	0.25	1.5	0.03	6.1	0.2	<0.05	7	<0.5	<0.2
E859158	Soil	11	32	0.88	190	0.132	2	2.44	0.033	0.13	0.5	0.03	4.2	0.1	<0.05	7	0.5	0.2
E859159	Soil	12	29	0.83	192	0.133	2	2.32	0.028	0.13	0.6	0.03	4.5	0.1	<0.05	7	0.6	<0.2
E859160	Soil	15	32	0.87	182	0.151	2	2.23	0.031	0.21	0.6	0.03	5.3	0.2	<0.05	7	<0.5	<0.2
E859161	Soil	15	32	0.78	199	0.131	2	2.38	0.025	0.12	0.3	0.03	5.0	0.1	<0.05	7	0.5	<0.2
E859162	Soil	16	36	0.90	186	0.136	1	2.21	0.048	0.17	0.2	0.02	6.1	0.2	<0.05	6	<0.5	<0.2
E859163	Soil	12	28	0.60	208	0.118	2	2.18	0.024	0.11	0.1	0.04	3.7	<0.1	<0.05	7	0.5	<0.2
E859164	Soil	11	28	0.78	157	0.173	2	2.24	0.025	0.19	0.2	0.03	4.0	0.2	<0.05	7	<0.5	<0.2
E859165	Soil	12	30	0.72	178	0.149	2	2.39	0.022	0.14	0.2	0.02	4.6	0.2	<0.05	7	0.6	<0.2
E859166	Soil	8	17	0.31	141	0.043	1	1.16	0.033	0.04	0.2	0.07	3.1	0.1	0.12	4	0.7	<0.2
E859167	Soil	7	10	0.22	83	0.031	1	0.83	0.041	0.03	<0.1	0.04	1.9	<0.1	0.07	3	0.6	<0.2
E859168	Soil	8	26	0.60	175	0.105	2	1.90	0.029	0.07	0.3	0.04	3.0	<0.1	<0.05	6	<0.5	<0.2
E859169	Soil	7	10	0.28	115	0.036	1	1.04	0.034	0.03	0.1	0.05	1.6	0.1	0.09	4	<0.5	<0.2
E859170	Soil	35	11	2.97	357	0.100	<1	2.69	0.068	0.34	<0.1	0.02	2.5	0.4	<0.05	10	0.7	<0.2
E859171	Soil	10	30	0.88	166	0.125	2	2.35	0.038	0.09	0.4	0.03	3.5	0.1	<0.05	7	<0.5	<0.2



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Project: Longline

Report Date: September 02, 2010

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## QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
E859008	Soil	0.7	25.1	27.5	84	2.2	20.8	8.7	340	2.97	656.0	1.1	81.3	3.5	27	0.3	1.7	0.3	64	0.31	0.054
REP E859008	QC	0.7	26.8	27.4	87	2.2	21.1	9.5	335	3.03	679.2	1.1	84.6	3.4	28	0.2	1.6	0.3	64	0.32	0.053
E859025	Soil	1.4	23.2	50.0	68	1.5	20.1	9.8	374	2.72	446.4	1.0	44.5	4.0	26	0.3	1.2	2.1	58	0.35	0.054
REP E859025	QC	1.4	24.8	52.2	67	1.5	19.7	10.0	403	2.83	457.9	1.1	35.0	4.2	28	0.3	1.2	2.3	58	0.35	0.054
E859049	Soil	1.6	40.1	70.2	109	14.9	22.4	9.8	653	3.00	618.8	1.8	156.1	2.0	34	0.7	4.4	0.3	62	0.41	0.065
REP E859049	QC	1.6	39.1	73.4	112	14.8	23.8	10.5	687	3.01	618.0	1.9	160.8	2.1	34	0.8	4.5	0.3	66	0.43	0.066
E859064	Soil	0.8	29.0	19.8	61	0.8	23.4	10.3	278	2.76	34.4	1.9	9.4	7.7	30	0.3	0.7	0.2	68	0.43	0.047
REP E859064	QC	0.8	30.5	19.7	61	0.9	23.3	10.4	283	2.74	34.1	1.9	12.4	7.4	31	0.2	0.7	0.1	70	0.44	0.047
E859087	Soil	0.7	23.8	18.0	62	1.0	21.9	11.9	270	2.92	185.6	0.9	20.0	3.3	24	0.1	3.4	0.2	71	0.35	0.050
REP E859087	QC	0.8	25.5	18.9	62	1.0	22.1	12.2	273	2.96	194.6	1.0	17.8	3.3	23	0.2	3.5	0.2	71	0.35	0.051
E859103	Soil	2.6	25.4	19.9	62	1.2	20.2	8.8	400	2.80	300.0	1.1	48.3	3.4	27	0.2	0.8	0.3	63	0.40	0.053
REP E859103	QC	2.5	25.4	19.2	64	1.4	20.6	9.1	403	2.81	303.7	1.2	136.1	3.4	27	0.3	0.8	0.3	64	0.39	0.052
E859115	Soil	0.6	26.1	11.1	64	0.6	19.3	12.1	566	3.23	198.1	1.1	20.6	3.0	29	0.1	1.4	0.1	76	0.53	0.059
REP E859115	QC	0.7	27.0	12.0	66	0.6	19.9	12.4	581	3.26	204.8	1.2	20.8	3.0	32	0.1	1.4	0.2	79	0.57	0.063
E859160	Soil	0.4	26.2	21.4	69	2.3	19.2	8.4	335	3.07	171.3	1.3	23.5	4.6	32	0.2	1.9	0.4	75	0.58	0.078
REP E859160	QC	0.5	26.1	21.2	70	2.3	19.9	8.5	338	3.07	170.2	1.3	25.7	4.6	34	0.2	1.9	0.4	75	0.59	0.078
Reference Materials																					
STD DS7	Standard	19.7	119.3	63.1	409	0.9	55.4	9.0	623	2.36	54.9	4.5	66.0	4.1	67	7.0	6.2	4.9	85	0.87	0.077
STD DS7	Standard	21.0	112.0	62.6	396	1.0	56.1	9.5	612	2.40	54.4	4.8	68.8	4.5	74	6.6	6.5	4.8	81	0.93	0.080
STD DS7	Standard	21.4	103.2	64.6	405	1.0	55.1	8.9	641	2.43	51.4	4.7	69.7	4.6	81	6.3	5.8	4.3	86	1.01	0.076
STD DS7	Standard	19.2	105.8	65.9	373	1.0	53.5	8.7	591	2.28	49.6	4.7	79.5	4.2	65	6.0	6.0	4.6	81	0.86	0.071
STD DS7 Expected		20.5	109	70.6	411	0.9	56	9.7	627	2.39	48.2	4.9	70	4.4	69	6.4	4.6	4.5	84	0.93	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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Report Date: September 02, 2010

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## QUALITY CONTROL REPORT

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	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Ti	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
E859008	Soil	13	29	0.63	159	0.102	1	2.14	0.015	0.07	7.7	0.04	3.7	<0.1	<0.05	6	<0.5	<0.2
REP E859008	QC	13	30	0.63	163	0.105	2	2.19	0.016	0.07	7.8	0.04	4.0	<0.1	<0.05	6	<0.5	<0.2
E859025	Soil	15	30	0.52	186	0.101	<1	2.08	0.018	0.07	2.8	0.03	4.2	<0.1	<0.05	6	<0.5	<0.2
REP E859025	QC	15	30	0.57	185	0.103	2	2.19	0.019	0.08	2.8	0.03	4.3	0.1	<0.05	6	<0.5	<0.2
E859049	Soil	12	31	0.60	205	0.073	1	2.14	0.018	0.08	2.8	0.05	4.5	<0.1	<0.05	6	<0.5	<0.2
REP E859049	QC	12	32	0.64	213	0.074	2	2.19	0.018	0.08	2.7	0.07	4.7	0.1	<0.05	6	<0.5	<0.2
E859064	Soil	16	34	0.61	287	0.121	1	1.95	0.024	0.06	0.3	0.03	5.7	<0.1	<0.05	6	<0.5	<0.2
REP E859064	QC	16	33	0.62	284	0.117	1	2.06	0.025	0.07	0.3	0.03	5.6	<0.1	<0.05	6	<0.5	<0.2
E859087	Soil	9	33	0.67	187	0.087	2	2.14	0.013	0.08	0.9	0.02	4.8	0.1	<0.05	6	<0.5	<0.2
REP E859087	QC	10	33	0.68	189	0.088	<1	2.18	0.013	0.08	0.9	0.03	4.9	<0.1	<0.05	6	<0.5	<0.2
E859103	Soil	12	29	0.57	164	0.097	2	1.86	0.014	0.07	2.3	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
REP E859103	QC	12	30	0.57	165	0.097	1	1.85	0.014	0.07	2.5	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
E859115	Soil	13	28	0.72	215	0.108	1	2.30	0.022	0.12	0.6	0.03	4.9	0.1	<0.05	7	<0.5	<0.2
REP E859115	QC	14	29	0.76	222	0.117	2	2.41	0.025	0.13	0.5	0.04	5.1	0.1	<0.05	7	<0.5	<0.2
E859160	Soil	15	32	0.87	182	0.151	2	2.23	0.031	0.21	0.6	0.03	5.3	0.2	<0.05	7	<0.5	<0.2
REP E859160	QC	15	32	0.87	188	0.156	2	2.30	0.032	0.21	0.6	0.03	5.4	0.2	<0.05	7	<0.5	<0.2
Reference Materials																		
STD DS7	Standard	12	171	1.02	385	0.120	41	0.98	0.086	0.47	3.6	0.21	2.2	4.0	0.21	5	3.4	1.4
STD DS7	Standard	14	176	1.04	405	0.128	38	1.01	0.105	0.49	3.7	0.21	2.5	3.8	0.21	5	3.6	1.4
STD DS7	Standard	14	204	1.09	420	0.135	41	1.13	0.113	0.50	3.7	0.22	2.5	4.2	0.19	5	3.5	1.3
STD DS7	Standard	11	179	0.99	381	0.108	37	0.93	0.084	0.43	3.6	0.20	2.3	4.2	0.19	4	2.8	1.0
STD DS7 Expected		12	179	1.05	410	0.124	39	0.959	0.089	0.44	3.4	0.2	2.5	4.2	0.19	5	3.5	1.08
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2