



ALS Canada Ltd.

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To: **GOLDCORP KAMINAK LTD**
SUITE 3400 - 666 BURRARD STREET
VANCOUVER BC V6C 2X8

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Total # Pages: 4 (A - C)
Plus Appendix Pages
Finalized Date: 13-MAY-2018
Account: KAMGOL

CERTIFICATE WH18096252

Project: Coffee

P.O. No.: KGC-18-1110

This report is for 100 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 26-APR-2018.

The following have access to data associated with this certificate:

THOMAS BISSIG
ERIK SCHEEL
MATT ZAGO

TOM BOKENFOHR
JAMES SCOTT

IAN HERBRANSON
TIM SMITH

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
CRU-QC	Crushing QC Test
PUL-QC	Pulverizing QC Test
CRU-31	Fine crushing - 70% <2mm
SPL-21	Split sample - riffle splitter
PUL-32m	Pulverize 500g - 85%<75um
LOG-23	Pulp Login - Rcvd with Barcode

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES
Au-AA13	Au by cyanide leach and AAS	AAS
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES

To: **GOLDCORP KAMINAK LTD**
ATTN: MATT ZAGO
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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.

***** See Appendix Page for comments regarding this certificate *****

Signature:


Colin Ramshaw, Vancouver Laboratory Manager



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CERTIFICATE OF ANALYSIS WH18096252

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-AA13 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.001	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
W613371		1.52	0.013		<0.2	0.88	60	<10	100	<0.5	<2	0.20	<0.5	7	21	10
W613372		2.71	0.005		<0.2	0.82	42	<10	100	<0.5	<2	0.17	<0.5	5	15	7
W613373		4.17	0.003		<0.2	0.91	29	<10	120	<0.5	<2	0.15	<0.5	5	12	7
W613374		1.52	0.002		<0.2	0.81	29	<10	120	<0.5	2	0.18	<0.5	4	7	9
W613375		2.38	0.013		<0.2	0.81	62	<10	310	0.5	4	0.15	<0.5	7	7	8
W613376		2.00	0.697	0.72	<0.2	0.79	859	<10	120	0.8	<2	0.14	<0.5	4	14	8
W613377		2.72	0.521	0.55	<0.2	0.50	972	10	240	0.8	2	0.13	<0.5	5	12	7
W613378		1.69	2.43	2.56	<0.2	0.73	2300	10	360	1.3	2	0.22	<0.5	12	14	9
W613379		2.07	0.090		<0.2	0.61	452	<10	180	0.7	<2	0.08	<0.5	7	6	4
W613380		0.06	0.002		<0.2	1.59	2	<10	130	<0.5	2	0.93	<0.5	8	10	91
W613381		2.74	0.030		<0.2	0.66	326	<10	160	0.6	<2	0.08	<0.5	6	5	3
W613382		2.35	0.023		<0.2	0.65	266	<10	140	0.6	<2	0.09	<0.5	5	6	2
W613383		2.03	0.010		<0.2	0.67	190	<10	170	0.6	2	0.07	<0.5	4	6	2
W613384		2.21	0.275		<0.2	0.72	825	<10	190	0.9	<2	0.11	<0.5	5	9	5
W613385		2.39	0.010		<0.2	0.93	154	<10	160	0.7	2	0.12	<0.5	6	8	5
W613386		2.14	0.007		<0.2	0.97	226	<10	180	0.7	3	0.14	<0.5	6	9	4
W613387		2.11	3.40	3.64	<0.2	0.50	1845	10	380	1.1	3	0.16	<0.5	4	14	6
W613388		2.33	0.057		<0.2	0.80	224	<10	140	0.9	<2	0.13	<0.5	5	13	12
W613389		2.27	0.022		<0.2	2.20	201	<10	420	1.4	2	0.47	<0.5	19	80	23
W613390		0.06	3.05	3.06	0.8	2.43	155	<10	170	<0.5	<2	1.73	<0.5	26	416	82
W613391		2.58	0.023		<0.2	1.00	63	<10	170	0.6	<2	0.20	<0.5	6	12	9
W613392		2.34	0.010		<0.2	0.87	94	<10	210	0.7	<2	0.18	<0.5	4	12	8
W613393		1.99	0.012		<0.2	0.69	187	<10	130	0.7	2	0.15	<0.5	4	12	5
W613394		2.36	0.010		<0.2	1.11	186	<10	160	0.8	2	0.16	<0.5	7	10	12
W613395		2.07	0.005		<0.2	0.75	123	<10	140	0.5	3	0.14	<0.5	6	8	6
W613396		2.50	0.009		<0.2	0.72	45	<10	190	<0.5	3	0.19	<0.5	4	6	9
W613397		2.20	0.027		<0.2	1.07	173	<10	190	0.7	20	0.17	<0.5	8	18	8
W613398		2.07	0.071		<0.2	0.80	206	<10	310	0.6	2	0.28	<0.5	6	8	6
W613399		2.39	0.004		<0.2	0.73	116	<10	170	<0.5	2	0.16	<0.5	5	8	4
W613400		0.06	<0.001		<0.2	1.43	<2	<10	120	<0.5	<2	0.81	<0.5	8	9	89
W613401		2.16	0.012		<0.2	0.90	537	<10	330	0.6	3	0.19	<0.5	8	11	7
W613402		2.28	0.013		<0.2	0.55	363	<10	120	0.6	3	0.11	<0.5	5	6	4
W613403		1.94	0.018		<0.2	0.57	345	<10	150	0.6	2	0.08	<0.5	4	8	5
W613404		2.01	0.016		<0.2	0.58	402	<10	140	0.6	3	0.12	<0.5	5	6	7
W613405		2.84	0.007		<0.2	0.68	154	<10	130	0.6	2	0.14	<0.5	4	7	5
W613406		2.35	0.012		<0.2	1.12	262	<10	260	0.9	2	0.24	<0.5	7	30	7
W613407		2.40	0.002		<0.2	0.83	24	<10	180	0.5	<2	1.00	<0.5	4	8	2
W613408		2.58	0.096		<0.2	0.65	321	<10	110	0.7	2	1.60	<0.5	3	6	7
W613409		2.25	0.059		<0.2	0.46	344	<10	230	0.5	<2	0.55	<0.5	2	9	7
W613410		0.06	1.070	1.05	<0.2	2.85	32	<10	120	<0.5	<2	1.91	<0.5	14	109	113



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CERTIFICATE OF ANALYSIS WH18096252

Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
W613371		1.82	<10	<1	0.18	20	0.32	304	2	0.04	11	270	4	0.01	2	2
W613372		1.53	<10	<1	0.40	40	0.46	232	2	0.04	7	310	3	<0.01	<2	1
W613373		1.54	<10	<1	0.60	50	0.53	239	2	0.04	7	400	3	<0.01	<2	1
W613374		1.41	<10	<1	0.57	70	0.46	258	1	0.04	5	430	<2	<0.01	<2	1
W613375		1.46	<10	<1	0.50	60	0.34	338	1	0.04	5	440	5	0.01	2	2
W613376		1.96	<10	1	0.26	40	0.08	123	2	0.01	7	450	10	0.01	13	4
W613377		1.69	<10	1	0.29	50	0.05	198	2	0.01	6	290	8	0.01	11	2
W613378		3.34	<10	2	0.34	50	0.09	546	3	0.01	6	730	16	0.01	18	6
W613379		1.59	<10	1	0.23	50	0.05	372	1	0.01	5	360	8	0.01	6	2
W613380		2.68	<10	<1	0.21	10	0.73	378	2	0.17	4	620	3	0.01	<2	2
W613381		1.48	<10	<1	0.29	60	0.05	351	1	0.01	5	370	6	<0.01	2	1
W613382		1.38	<10	<1	0.25	50	0.05	286	1	0.01	4	400	6	<0.01	5	2
W613383		1.44	<10	<1	0.25	50	0.05	354	1	0.01	4	280	6	<0.01	3	1
W613384		1.93	<10	1	0.32	60	0.11	352	2	0.01	4	370	7	<0.01	8	3
W613385		2.00	<10	<1	0.45	60	0.29	309	1	0.02	5	390	3	<0.01	2	3
W613386		1.87	<10	<1	0.60	60	0.47	338	1	0.03	6	400	3	<0.01	2	3
W613387		2.16	<10	2	0.25	60	0.05	273	2	0.01	5	340	14	0.01	18	2
W613388		1.79	<10	1	0.53	50	0.41	255	1	0.02	5	380	12	<0.01	5	3
W613389		3.68	10	1	1.28	50	1.60	745	1	0.03	26	800	7	<0.01	5	10
W613390		4.85	10	<1	0.54	10	2.15	807	5	0.17	225	350	17	0.36	<2	5
W613391		1.96	10	1	0.73	60	0.61	331	1	0.03	6	380	2	<0.01	<2	3
W613392		1.81	10	<1	0.66	70	0.47	351	1	0.02	5	510	4	<0.01	7	2
W613393		1.50	<10	1	0.42	80	0.28	293	2	0.01	5	470	6	<0.01	12	2
W613394		2.12	<10	<1	0.59	50	0.48	393	1	0.02	6	390	4	<0.01	8	3
W613395		1.34	<10	<1	0.36	50	0.20	310	1	0.01	6	310	10	<0.01	2	1
W613396		1.18	<10	<1	0.45	60	0.23	298	1	0.04	4	300	8	<0.01	<2	1
W613397		2.39	<10	<1	0.64	40	0.55	403	2	0.03	8	370	7	<0.01	8	4
W613398		1.95	<10	1	0.44	60	0.29	303	2	0.03	5	330	4	0.01	2	3
W613399		1.65	<10	<1	0.52	50	0.32	245	2	0.04	4	300	3	0.01	<2	2
W613400		2.55	<10	<1	0.20	10	0.69	353	2	0.15	5	590	2	0.01	<2	2
W613401		2.13	<10	<1	0.59	50	0.44	430	3	0.03	6	430	4	0.01	5	3
W613402		1.36	<10	<1	0.17	50	0.07	191	1	0.01	5	300	4	<0.01	7	2
W613403		1.41	<10	1	0.15	50	0.04	204	1	0.01	6	270	7	<0.01	12	2
W613404		1.60	<10	1	0.19	60	0.07	344	1	0.01	5	320	7	<0.01	10	2
W613405		1.62	<10	<1	0.39	60	0.18	271	1	0.03	5	370	5	<0.01	<2	1
W613406		2.05	<10	<1	0.59	50	0.62	485	1	0.02	15	330	7	<0.01	7	3
W613407		1.60	<10	<1	0.63	60	0.36	452	3	0.03	6	330	3	0.02	<2	2
W613408		1.47	<10	1	0.42	50	0.21	365	2	0.02	4	280	6	0.07	<2	1
W613409		1.27	<10	1	0.25	40	0.10	330	2	0.01	6	250	6	0.02	2	1
W613410		2.84	10	<1	0.22	10	1.32	390	4	0.34	120	350	12	0.05	<2	3



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CERTIFICATE OF ANALYSIS WH18096252

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
W613371		18	<20	0.05	<10	<10	29	<10
W613372		13	30	0.06	<10	<10	13	<10
W613373		11	30	0.07	<10	<10	8	<10
W613374		14	30	0.06	<10	<10	8	<10
W613375		13	30	0.05	<10	<10	10	<10
W613376		39	20	0.01	<10	10	33	<10
W613377		40	20	<0.01	<10	10	13	<10
W613378		41	20	<0.01	<10	40	37	<10
W613379		19	30	<0.01	<10	<10	10	<10
W613380		75	<20	0.14	<10	<10	97	<10
W613381		21	30	<0.01	<10	<10	7	<10
W613382		17	30	<0.01	<10	<10	8	<10
W613383		19	30	0.01	<10	<10	6	<10
W613384		22	30	0.01	<10	10	15	<10
W613385		13	30	0.04	<10	<10	12	<10
W613386		12	30	0.06	<10	<10	11	<10
W613387		25	30	<0.01	<10	20	13	<10
W613388		22	20	0.04	<10	<10	21	<10
W613389		35	20	0.13	<10	<10	63	<10
W613390		90	<20	0.11	<10	<10	72	<10
W613391		30	30	0.07	<10	<10	19	<10
W613392		29	30	0.07	<10	<10	20	<10
W613393		20	30	0.03	<10	<10	19	<10
W613394		16	30	0.05	<10	<10	18	<10
W613395		14	30	0.02	<10	<10	7	<10
W613396		13	30	0.03	<10	<10	4	<10
W613397		14	20	0.06	<10	<10	17	<10
W613398		16	20	0.04	<10	<10	12	<10
W613399		13	30	0.06	<10	<10	7	<10
W613400		64	<20	0.12	<10	<10	92	<10
W613401		16	30	0.05	<10	<10	18	<10
W613402		13	30	<0.01	<10	<10	6	<10
W613403		16	30	<0.01	<10	<10	8	<10
W613404		14	30	<0.01	<10	<10	7	<10
W613405		10	30	0.03	<10	<10	6	<10
W613406		17	20	0.05	<10	<10	23	<10
W613407		24	30	0.05	<10	<10	6	<10
W613408		29	30	0.03	<10	<10	5	<10
W613409		14	20	0.01	<10	<10	4	<10
W613410		89	<20	0.10	<10	<10	69	<10



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-AA13 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.001	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
W613411		1.91	0.028		<0.2	0.78	217	<10	200	0.6	<2	0.79	<0.5	4	15	9
W613412		2.53	0.009		<0.2	1.42	70	<10	180	0.9	<2	0.93	<0.5	10	39	10
W613413		2.58	0.014		<0.2	0.55	617	<10	120	0.8	2	0.17	<0.5	5	12	4
W613414		2.34	0.035		<0.2	0.66	282	<10	90	0.7	<2	0.17	<0.5	4	8	4
W613415		2.03	0.030		<0.2	0.67	361	<10	150	0.6	<2	0.15	<0.5	4	8	12
W613416		2.45	2.02	2.11	<0.2	0.42	3720	10	300	0.9	<2	0.21	<0.5	4	5	4
W613417		2.44	1.875	1.80	0.2	0.46	3450	10	660	0.8	2	0.18	<0.5	5	5	3
W613418		2.38	0.021		<0.2	0.74	1220	<10	260	0.5	<2	0.18	<0.5	4	7	8
W613419		2.33	0.013		<0.2	0.66	197	<10	330	<0.5	<2	0.16	<0.5	5	8	9
W613420		0.06	0.004		<0.2	1.52	2	<10	130	<0.5	<2	0.86	<0.5	8	10	93
W613421		2.13	0.004		<0.2	0.81	137	<10	130	<0.5	<2	0.33	<0.5	4	10	6
W613422		2.32	0.007		<0.2	0.69	109	<10	110	0.5	<2	0.48	<0.5	4	8	5
W613423		2.90	0.040		<0.2	0.63	40	<10	90	<0.5	<2	0.23	<0.5	4	7	3
W613424		2.18	0.101		<0.2	0.44	60	<10	100	<0.5	<2	0.31	<0.5	4	11	5
W613425		2.09	0.008		<0.2	0.70	65	<10	100	<0.5	<2	0.17	<0.5	4	9	4
W613426		2.56	0.003		<0.2	0.62	86	<10	70	0.5	<2	0.27	<0.5	4	10	4
W613427		2.07	0.005		<0.2	0.46	96	<10	150	<0.5	<2	0.10	<0.5	4	8	4
W613428		2.24	0.004		<0.2	0.28	67	<10	40	<0.5	<2	0.08	<0.5	2	7	6
W613429		2.11	0.003		<0.2	0.39	48	<10	40	<0.5	<2	0.09	<0.5	2	8	9
W613430		0.06	8.85	5.28	6.8	1.77	38	<10	170	<0.5	2	1.04	3.0	14	30	1760
W613431		2.46	0.005		<0.2	0.70	82	<10	110	<0.5	2	0.15	<0.5	4	9	7
W613432		2.76	0.011		<0.2	0.70	77	<10	180	<0.5	3	0.18	<0.5	4	11	8
W613433		2.45	0.012		<0.2	0.63	109	<10	230	<0.5	2	0.12	<0.5	6	12	7
W613434		2.63	0.008		<0.2	0.69	122	<10	80	0.5	2	0.14	<0.5	4	19	14
W613435		1.98	0.001		<0.2	0.38	202	<10	30	<0.5	<2	0.09	<0.5	2	9	13
W613436		2.30	0.004		<0.2	0.48	243	<10	50	<0.5	2	0.09	<0.5	2	10	14
W613437		2.50	0.003		<0.2	0.55	18	<10	60	<0.5	<2	0.14	<0.5	3	12	12
W613438		2.10	0.012		<0.2	0.65	150	<10	240	<0.5	2	0.20	<0.5	6	17	15
W613439		2.02	0.038		<0.2	0.60	307	<10	190	0.5	3	0.15	<0.5	5	17	11
W613440		0.06	0.001		<0.2	1.48	<2	<10	120	<0.5	<2	0.84	<0.5	8	10	91
W613441		2.22	0.454	0.50	<0.2	0.41	1310	<10	760	0.7	2	0.15	<0.5	4	7	5
W613442		2.47	0.455	0.47	<0.2	0.89	516	<10	170	0.7	2	0.35	<0.5	7	10	4
W613443		2.30	0.030		<0.2	0.77	410	<10	260	0.6	<2	0.19	<0.5	7	9	9
W613444		2.24	0.030		<0.2	2.04	206	<10	430	0.7	5	1.60	<0.5	21	142	23
W613445		2.23	1.260	1.33	<0.2	1.36	2550	10	240	1.0	<2	2.03	<0.5	21	115	9
W613446		1.64	7.34	7.31	0.9	0.42	9770	10	220	1.5	3	5.58	<0.5	11	31	8
W613447		2.17	0.446	0.46	<0.2	0.53	4080	<10	100	1.2	2	7.17	<0.5	15	123	5
W613448		1.93	0.966	1.02	<0.2	0.45	1450	<10	380	1.1	<2	6.9	<0.5	13	101	6
W613449		2.39	0.077		<0.2	0.78	685	<10	100	1.4	2	7.5	<0.5	20	141	13
W613450		0.06	0.659	0.74	<0.2	2.62	6	10	90	<0.5	<2	1.91	<0.5	14	98	167



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SUITE 3400 - 666 BURNARD STREET
VANCOUVER BC V6C 2X8

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CERTIFICATE OF ANALYSIS WH18096252

Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
W613411		1.78	<10	1	0.54	60	0.33	357	2	0.03	8	350	6	0.02	<2	2
W613412		2.23	10	<1	0.76	40	1.01	402	1	0.02	20	420	4	0.01	3	4
W613413		2.01	<10	1	0.20	50	0.10	275	1	0.01	8	370	5	<0.01	27	2
W613414		1.38	<10	<1	0.25	60	0.14	219	1	0.01	6	390	5	<0.01	9	2
W613415		1.56	<10	1	0.41	60	0.21	314	1	0.02	6	340	12	<0.01	7	1
W613416		1.67	<10	2	0.26	50	0.05	377	2	0.01	5	260	13	0.06	9	1
W613417		1.96	<10	1	0.24	50	0.03	183	3	0.01	4	210	11	0.22	14	1
W613418		1.57	<10	1	0.40	50	0.21	190	2	0.03	5	330	9	0.17	6	2
W613419		1.77	<10	<1	0.42	60	0.24	279	2	0.04	5	320	7	0.06	4	1
W613420		2.68	<10	<1	0.21	10	0.73	375	2	0.16	5	610	4	0.01	<2	2
W613421		1.65	<10	<1	0.48	60	0.27	292	2	0.04	5	320	7	0.03	<2	1
W613422		1.83	<10	1	0.37	60	0.20	317	3	0.03	6	310	7	0.01	<2	2
W613423		1.58	<10	1	0.37	60	0.19	257	2	0.03	4	310	4	0.01	<2	2
W613424		1.92	<10	<1	0.25	50	0.12	348	3	0.03	5	260	5	<0.01	<2	2
W613425		1.65	<10	<1	0.41	70	0.22	311	2	0.03	7	400	5	<0.01	3	2
W613426		1.69	<10	<1	0.32	50	0.20	183	2	0.03	7	390	4	0.01	<2	2
W613427		1.53	<10	1	0.29	50	0.12	168	3	0.04	5	300	3	0.01	<2	1
W613428		1.13	<10	<1	0.16	30	0.03	126	2	0.03	3	150	4	<0.01	<2	1
W613429		1.05	<10	<1	0.21	30	0.10	151	2	0.03	3	140	5	<0.01	<2	1
W613430		3.64	<10	<1	0.24	10	0.91	584	24	0.20	162	540	301	0.44	3	3
W613431		1.72	<10	1	0.47	60	0.28	240	3	0.04	4	340	7	0.01	2	1
W613432		1.80	<10	1	0.47	50	0.32	282	3	0.04	5	330	5	0.03	<2	1
W613433		1.76	<10	<1	0.39	40	0.30	264	4	0.04	6	300	3	0.03	4	1
W613434		1.66	<10	<1	0.37	50	0.31	202	4	0.04	20	310	8	0.01	5	1
W613435		1.37	<10	<1	0.17	40	0.11	175	5	0.03	4	180	6	0.14	2	1
W613436		1.41	<10	<1	0.27	50	0.16	194	3	0.03	13	190	6	<0.01	6	<1
W613437		1.12	<10	1	0.30	30	0.28	162	3	0.06	6	360	2	0.01	<2	2
W613438		1.81	<10	<1	0.37	50	0.31	176	3	0.04	25	350	4	0.01	5	2
W613439		1.57	<10	<1	0.32	50	0.27	173	3	0.05	7	320	3	0.02	4	2
W613440		2.59	<10	<1	0.19	10	0.71	354	2	0.15	4	600	4	0.01	<2	2
W613441		1.29	<10	<1	0.20	50	0.04	184	2	0.02	3	220	5	0.02	7	1
W613442		1.66	<10	<1	0.53	50	0.46	281	2	0.03	4	440	4	<0.01	6	2
W613443		1.59	<10	<1	0.44	50	0.34	184	3	0.03	4	440	5	0.08	6	2
W613444		3.22	10	<1	1.03	20	1.71	505	2	0.05	143	580	2	0.01	<2	6
W613445		2.75	<10	1	0.68	30	0.84	548	2	0.04	163	430	4	0.01	10	4
W613446		3.24	<10	4	0.20	30	0.45	862	2	0.01	59	280	13	0.05	87	6
W613447		3.22	<10	6	0.09	10	1.31	773	1	0.01	87	140	7	0.05	34	10
W613448		2.98	<10	3	0.10	20	1.13	1140	2	0.01	35	210	10	0.05	10	8
W613449		3.48	<10	3	0.13	20	1.40	937	3	0.02	37	320	10	0.21	8	13
W613450		2.49	10	<1	0.18	10	1.40	429	3	0.29	137	370	11	0.07	<2	2



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sr	Th	Ti	Ti	U	V	W
		ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
W613411		21	30	0.05	<10	<10	11	<10
W613412		26	20	0.09	<10	<10	34	<10
W613413		17	20	0.01	<10	<10	15	<10
W613414		12	30	0.01	<10	<10	8	<10
W613415		13	30	0.02	<10	<10	7	<10
W613416		23	30	<0.01	<10	20	3	<10
W613417		35	20	<0.01	<10	20	3	<10
W613418		25	20	0.04	<10	<10	8	<10
W613419		20	30	0.05	<10	<10	8	<10
W613420		70	<20	0.13	<10	<10	97	<10
W613421		27	30	0.07	<10	<10	8	<10
W613422		25	30	0.04	<10	<10	7	<10
W613423		16	30	0.03	<10	<10	6	<10
W613424		16	20	0.02	<10	<10	6	<10
W613425		18	30	0.03	<10	<10	7	<10
W613426		18	20	0.02	<10	<10	7	<10
W613427		14	30	0.02	<10	<10	5	<10
W613428		8	40	<0.01	<10	<10	2	<10
W613429		8	40	0.01	<10	<10	3	<10
W613430		81	<20	0.14	<10	<10	92	<10
W613431		14	30	0.05	<10	<10	7	<10
W613432		23	30	0.06	<10	<10	9	<10
W613433		11	30	0.03	<10	10	6	<10
W613434		12	30	0.03	<10	<10	8	<10
W613435		11	30	0.01	<10	10	3	<10
W613436		8	30	0.01	<10	<10	4	<10
W613437		13	30	0.04	<10	<10	7	<10
W613438		23	30	0.05	<10	<10	11	<10
W613439		16	30	0.03	<10	<10	9	<10
W613440		67	<20	0.12	<10	<10	94	<10
W613441		25	30	<0.01	<10	10	4	<10
W613442		19	30	0.03	<10	<10	19	<10
W613443		16	30	0.02	<10	10	13	<10
W613444		35	<20	0.14	<10	<10	54	<10
W613445		43	20	0.05	<10	10	30	<10
W613446		112	<20	<0.01	<10	30	14	<10
W613447		116	<20	<0.01	<10	10	43	<10
W613448		117	<20	<0.01	<10	10	71	<10
W613449		130	<20	<0.01	<10	10	74	<10
W613450		74	<20	0.09	<10	<10	66	<10



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-AA13 Au ppm	ME-ICP41 Ag ppm	ME-ICP41 Al %	ME-ICP41 As ppm	ME-ICP41 B ppm	ME-ICP41 Ba ppm	ME-ICP41 Be ppm	ME-ICP41 Bi ppm	ME-ICP41 Ca %	ME-ICP41 Cd ppm	ME-ICP41 Co ppm	ME-ICP41 Cr ppm	ME-ICP41 Cu ppm
		0.02	0.001	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1
W613451		2.22	0.014		<0.2	0.74	269	<10	40	0.7	2	1.63	<0.5	3	10	4
W613452		1.57	0.014		<0.2	0.45	432	<10	70	0.6	<2	1.61	<0.5	2	7	4
W613453		2.18	4.34	4.52	0.3	0.36	3060	10	30	1.0	<2	0.60	<0.5	1	4	3
W613454		2.15	3.57	3.27	0.2	0.41	2980	10	140	0.8	<2	0.19	<0.5	2	5	3
W613455		2.21	5.03	5.25	0.4	0.39	2440	10	140	0.8	<2	0.18	<0.5	1	6	3
W613456		1.64	6.77	6.95	0.3	0.43	2190	10	200	0.8	2	0.17	<0.5	1	6	3
W613457		1.88	0.069		<0.2	0.48	75	<10	30	0.5	<2	0.09	<0.5	2	11	6
W613458		1.74	0.314	0.35	<0.2	0.51	208	<10	60	0.6	2	0.11	<0.5	2	8	4
W613459		2.35	0.060		<0.2	0.47	109	<10	50	0.5	<2	0.09	<0.5	2	8	4
W613460		0.06	0.002		<0.2	1.52	3	<10	120	<0.5	2	0.87	<0.5	9	9	89
W613461		2.15	0.020		<0.2	0.36	53	<10	60	0.5	2	0.06	<0.5	1	12	5
W613462		2.08	0.026		<0.2	0.41	83	<10	40	0.5	<2	0.07	<0.5	1	7	5
W613463		2.04	0.041		<0.2	0.47	107	<10	20	0.5	<2	0.03	<0.5	1	8	4
W613464		1.46	0.229		<0.2	0.42	239	<10	40	0.6	<2	0.05	<0.5	1	7	2
W613465		1.96	0.329	0.36	<0.2	0.50	304	<10	130	0.7	<2	0.08	<0.5	2	10	3
W613466		2.36	0.038		<0.2	0.44	119	<10	80	0.5	2	0.05	<0.5	1	5	4
W613467		2.00	0.015		<0.2	0.40	59	<10	200	<0.5	<2	0.22	<0.5	1	4	4
W613468		2.61	0.488	0.52	<0.2	0.41	1385	<10	830	0.7	<2	0.15	<0.5	4	7	5
W613469		3.03	0.019		<0.2	0.37	57	<10	70	0.5	<2	0.06	<0.5	1	11	5
W613470		0.06	2.93	2.89	0.7	2.50	160	10	180	<0.5	2	1.78	<0.5	26	430	88



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Sample Description	Method Analyte Units LOR	ME-ICP41 Fe %	ME-ICP41 Ga ppm	ME-ICP41 Hg ppm	ME-ICP41 K %	ME-ICP41 La ppm	ME-ICP41 Mg %	ME-ICP41 Mn ppm	ME-ICP41 Mo ppm	ME-ICP41 Na %	ME-ICP41 Ni ppm	ME-ICP41 P ppm	ME-ICP41 Pb ppm	ME-ICP41 S %	ME-ICP41 Sb ppm	ME-ICP41 Sc ppm
W613451		0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1
W613452		1.33	<10	<1	0.24	40	0.33	212	5	0.01	4	260	8	0.01	<2	1
W613453		0.83	<10	<1	0.17	20	0.28	168	6	0.01	2	90	7	0.01	3	<1
W613454		0.87	<10	1	0.20	30	0.13	92	2	0.01	2	70	16	<0.01	10	<1
W613455		0.98	<10	1	0.23	30	0.04	117	3	0.01	2	70	31	0.10	12	<1
W613456		0.89	<10	1	0.22	20	0.04	260	3	0.01	1	70	17	0.01	11	<1
W613457		0.79	<10	1	0.22	30	0.05	137	2	0.01	2	70	17	0.01	12	<1
W613458		0.92	<10	<1	0.24	30	0.16	178	2	0.03	3	140	10	<0.01	4	1
W613459		1.09	<10	<1	0.29	30	0.18	219	1	0.02	5	150	10	<0.01	9	1
W613460		0.95	<10	1	0.25	30	0.14	181	1	0.03	3	90	8	<0.01	6	1
W613461		2.59	<10	1	0.19	10	0.70	360	2	0.16	5	600	2	0.01	<2	2
W613462		0.87	<10	<1	0.21	20	0.11	161	2	0.03	3	70	15	<0.01	5	<1
W613463		0.57	<10	1	0.15	20	0.04	125	1	0.02	1	50	15	<0.01	7	<1
W613464		0.52	<10	<1	0.15	20	0.03	49	1	0.01	1	40	9	<0.01	11	<1
W613465		0.71	<10	<1	0.14	20	0.04	128	1	<0.01	1	40	18	<0.01	12	<1
W613466		0.88	<10	1	0.19	20	0.08	326	1	0.01	3	70	14	<0.01	11	1
W613467		0.56	<10	1	0.14	20	0.04	138	1	0.01	2	70	10	<0.01	6	<1
W613468		0.44	<10	<1	0.15	10	0.03	103	1	0.01	1	50	6	<0.01	4	<1
W613469		1.31	<10	<1	0.20	50	0.04	192	2	0.02	2	220	4	0.02	7	1
W613470		0.87	<10	<1	0.22	20	0.11	160	2	0.04	3	70	14	<0.01	5	<1
		4.99	10	<1	0.52	10	2.20	827	5	0.17	233	360	20	0.37	<2	5

***** See Appendix Page for comments regarding this certificate *****



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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method:	Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.		
	CRU-31	CRU-QC	LOG-21
	PUL-32m	PUL-QC	SPL-21
			LOG-23
			WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.		
	Au-AA13	Au-ICP21	ME-ICP41