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

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Plus Appendix Pages
Finalized Date: 3-JUN-2018
Account: KAMGOL

CERTIFICATE WH18118019

Project: Coffee

P.O. No.: KGC-18-1183

This report is for 88 Percussion samples submitted to our lab in Whitehorse, YT, Canada on 21-MAY-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
Au-GRA21	Au 30g FA-GRAV finish	WST-SIM
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

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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 WH18118019

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-ICP21 Au ppm	Au-ICP21 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
		0.02	0.001	0.05	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
X838398		1.81	0.036			<0.2	0.85	68	<10	110	<0.5	<2	0.22	<0.5	6	15
X838399		2.98	0.011			<0.2	0.92	45	<10	120	<0.5	<2	0.18	<0.5	5	14
X838400		0.06	0.001			<0.2	1.55	<2	<10	120	<0.5	<2	0.87	<0.5	8	9
X838401		1.57	0.004			<0.2	0.93	29	<10	110	<0.5	<2	0.20	<0.5	5	14
X838402		1.02	0.008			<0.2	0.90	55	<10	100	<0.5	<2	0.18	<0.5	5	10
X838403		1.09	0.014			<0.2	2.90	57	<10	630	<0.5	<2	0.69	<0.5	17	9
X838404		1.70	0.014			<0.2	1.93	635	10	540	1.9	<2	0.88	<0.5	51	9
X838405		2.43	0.150			<0.2	0.95	1045	10	210	0.9	2	0.19	<0.5	9	12
X838406		2.46	0.015			<0.2	0.98	134	<10	110	0.6	2	0.16	<0.5	5	8
X838407		2.76	0.004			<0.2	1.06	38	<10	130	0.5	<2	0.15	<0.5	4	9
X838408		2.39	0.035			<0.2	1.07	140	<10	120	0.7	17	0.14	<0.5	5	7
X838409		2.58	0.010			<0.2	0.76	167	<10	140	0.8	<2	0.12	<0.5	5	6
X838410		0.06	1.010		0.95	0.3	3.04	30	<10	120	<0.5	<2	2.00	<0.5	15	112
X838411		2.52	0.006			<0.2	0.88	42	<10	100	0.6	<2	0.16	<0.5	4	9
X838412		2.67	<0.001			<0.2	0.85	30	<10	100	<0.5	<2	0.18	<0.5	4	10
X838413		3.06	<0.001			<0.2	0.80	23	<10	80	<0.5	<2	0.18	<0.5	4	10
X838414		2.31	0.002			<0.2	0.84	51	<10	80	<0.5	<2	0.20	<0.5	5	11
X838415		2.41	<0.001			<0.2	0.86	13	<10	70	<0.5	<2	0.17	<0.5	6	12
X838416		2.77	<0.001			<0.2	0.69	10	<10	60	<0.5	<2	0.11	<0.5	4	12
X838417		1.97	<0.001			<0.2	0.52	3	<10	320	0.9	<2	0.73	<0.5	5	15
X838418		2.52	<0.001			<0.2	0.40	3	<10	220	1.2	<2	1.30	<0.5	3	12
X838419		2.42	<0.001			<0.2	0.44	4	<10	80	0.8	<2	0.71	<0.5	3	12
X838420		0.06	<0.001			<0.2	1.59	<2	<10	130	<0.5	<2	0.89	<0.5	9	10
X838421		2.69	<0.001			<0.2	0.65	11	<10	80	0.6	<2	0.20	<0.5	5	14
X838422		2.43	<0.001			<0.2	0.85	15	<10	70	<0.5	<2	0.21	<0.5	5	9
X838423		2.24	<0.001			<0.2	0.77	27	<10	70	<0.5	<2	0.15	<0.5	5	9
X838424		2.51	0.004			<0.2	0.88	110	<10	110	<0.5	<2	0.12	<0.5	8	20
X838425		1.93	<0.001			<0.2	0.33	22	<10	70	<0.5	<2	0.05	<0.5	1	11
X838426		2.27	0.003			<0.2	0.60	66	<10	60	<0.5	<2	0.06	<0.5	3	14
X838427		2.24	<0.001			<0.2	0.68	30	<10	70	<0.5	<2	0.15	<0.5	5	9
X838428		2.46	0.003			<0.2	1.25	58	<10	90	<0.5	<2	0.37	<0.5	9	18
X838429		2.58	0.002			<0.2	0.83	31	<10	110	<0.5	2	0.16	<0.5	5	10
X838430		0.06	8.34		3.24	7.0	1.84	39	10	170	<0.5	<2	1.06	3.3	15	31
X838431		2.36	0.004			<0.2	0.71	50	<10	60	<0.5	2	0.12	<0.5	6	10
X838432		2.39	0.003			<0.2	0.60	26	<10	50	<0.5	<2	0.12	<0.5	4	12
X838433		1.84	<0.001			<0.2	1.05	23	<10	60	0.5	<2	0.41	<0.5	8	12
X838434		2.60	<0.001			<0.2	0.59	71	<10	50	<0.5	<2	0.18	<0.5	3	10
X838435		2.61	0.001			<0.2	0.91	30	<10	80	<0.5	2	0.38	<0.5	8	39
X838436		2.68	<0.001			<0.2	2.16	15	<10	290	0.5	<2	2.02	<0.5	23	192
X838437		2.39	0.001			<0.2	2.47	21	<10	430	0.8	<2	2.76	<0.5	24	140



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CERTIFICATE OF ANALYSIS WH18118019

Sample Description	Method Analyte Units LOR	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
X838398		9	1.73	<10	<1	0.36	30	0.31	357	1	0.02	9	350	4	<0.01	4
X838399		6	1.73	<10	<1	0.59	40	0.39	340	2	0.02	10	430	3	<0.01	2
X838400		92	2.66	<10	<1	0.20	10	0.72	364	2	0.16	5	610	2	0.01	<2
X838401		7	1.60	<10	<1	0.65	30	0.47	338	1	0.02	10	450	5	<0.01	2
X838402		5	1.75	<10	<1	0.61	50	0.43	271	1	0.03	8	390	3	<0.01	2
X838403		18	4.02	10	<1	0.83	30	1.22	594	1	0.06	12	980	5	<0.01	3
X838404		40	8.03	10	1	0.38	20	0.62	1155	3	0.02	27	1190	13	0.06	26
X838405		10	3.47	<10	2	0.36	50	0.15	290	3	<0.01	14	370	19	0.21	26
X838406		6	1.64	<10	<1	0.36	60	0.20	223	1	<0.01	7	380	7	0.01	19
X838407		2	1.83	<10	<1	0.63	50	0.38	279	1	0.02	8	370	3	0.01	4
X838408		3	2.19	<10	<1	0.55	70	0.31	216	2	0.01	6	410	4	<0.01	23
X838409		8	1.74	<10	<1	0.28	80	0.12	391	2	0.01	6	390	5	<0.01	22
X838410		115	2.98	10	<1	0.22	10	1.34	398	4	0.37	128	360	11	0.05	3
X838411		12	1.76	<10	<1	0.50	60	0.29	258	1	0.02	6	360	5	<0.01	3
X838412		6	1.91	<10	<1	0.51	60	0.33	230	2	0.04	6	350	4	0.01	2
X838413		4	1.68	<10	<1	0.51	60	0.33	233	2	0.03	6	360	4	0.01	<2
X838414		6	2.11	<10	<1	0.52	70	0.36	381	3	0.03	7	360	4	0.01	<2
X838415		5	2.15	10	<1	0.54	70	0.38	359	3	0.03	7	350	4	0.01	<2
X838416		5	2.09	<10	<1	0.45	40	0.35	183	3	0.05	5	360	5	0.05	<2
X838417		7	1.81	<10	<1	0.45	50	0.36	493	2	0.02	8	350	12	0.04	<2
X838418		4	1.72	<10	<1	0.40	20	0.32	523	2	0.01	5	350	19	0.06	2
X838419		8	1.54	<10	<1	0.37	30	0.24	365	3	0.02	6	280	14	0.01	<2
X838420		92	2.78	<10	<1	0.21	10	0.74	373	2	0.17	5	620	3	0.01	<2
X838421		6	2.27	<10	<1	0.46	50	0.32	261	4	0.03	7	390	6	0.13	2
X838422		6	1.85	<10	<1	0.54	60	0.36	331	4	0.03	6	370	4	0.15	<2
X838423		5	1.65	<10	<1	0.51	50	0.34	277	4	0.03	8	350	5	0.06	2
X838424		13	2.22	<10	<1	0.52	60	0.41	264	4	0.02	52	380	4	0.04	4
X838425		3	1.17	<10	<1	0.22	40	0.09	55	4	0.05	4	210	<2	0.20	2
X838426		8	1.59	<10	<1	0.35	50	0.24	113	4	0.03	6	250	4	0.07	3
X838427		6	1.56	<10	<1	0.41	50	0.30	254	4	0.03	6	330	3	0.12	<2
X838428		9	2.14	<10	<1	0.72	40	0.84	366	2	0.03	9	470	<2	0.03	4
X838429		7	1.69	<10	<1	0.54	50	0.38	286	3	0.03	12	380	3	0.04	3
X838430		1850	3.80	<10	<1	0.23	10	0.91	633	26	0.21	174	570	322	0.41	7
X838431		11	1.83	<10	<1	0.43	50	0.34	241	3	0.04	9	310	4	0.10	5
X838432		8	1.52	<10	<1	0.36	30	0.36	209	4	0.05	6	270	4	0.11	2
X838433		9	1.96	<10	<1	0.64	50	0.73	348	3	0.04	7	490	3	<0.01	2
X838434		9	1.57	<10	<1	0.34	60	0.27	178	3	0.05	5	350	8	0.15	3
X838435		12	2.00	<10	<1	0.59	60	0.53	326	6	0.04	17	360	11	0.03	3
X838436		25	3.20	10	<1	1.52	10	2.19	464	2	0.05	146	510	<2	0.20	<2
X838437		28	3.55	10	<1	1.86	10	2.23	654	2	0.04	72	800	4	0.20	7



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CERTIFICATE OF ANALYSIS WH18118019

Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sc	Sr	Th	Ti	Ti	U	V	W
		ppm 1	ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10
X838398		2	21	20	0.07	<10	<10	20	<10
X838399		1	12	20	0.09	<10	<10	11	<10
X838400		2	74	<20	0.13	<10	<10	95	<10
X838401		1	13	20	0.09	<10	<10	10	<10
X838402		2	17	30	0.08	<10	<10	11	<10
X838403		6	46	<20	0.18	<10	<10	96	<10
X838404		25	42	<20	0.05	<10	10	222	<10
X838405		7	31	20	0.01	<10	10	44	<10
X838406		2	11	30	0.02	<10	<10	12	<10
X838407		2	11	20	0.06	<10	<10	10	<10
X838408		2	13	30	0.05	<10	<10	13	<10
X838409		3	13	30	0.02	<10	<10	11	<10
X838410		3	97	<20	0.11	<10	<10	71	<10
X838411		2	19	30	0.05	<10	<10	14	<10
X838412		2	18	30	0.07	<10	<10	11	<10
X838413		2	15	30	0.07	<10	<10	11	<10
X838414		2	44	30	0.07	<10	<10	28	<10
X838415		3	30	20	0.07	<10	<10	23	<10
X838416		3	37	30	0.05	<10	<10	19	<10
X838417		3	216	40	0.07	<10	<10	69	<10
X838418		2	269	40	0.07	<10	<10	86	<10
X838419		2	144	30	0.05	<10	<10	60	<10
X838420		2	75	<20	0.13	<10	<10	98	<10
X838421		3	58	20	0.04	<10	<10	24	<10
X838422		1	20	30	0.06	<10	<10	8	<10
X838423		1	13	20	0.06	<10	<10	6	<10
X838424		2	18	30	0.05	<10	<10	13	<10
X838425		1	29	30	0.03	<10	<10	3	<10
X838426		1	19	30	0.05	<10	<10	6	<10
X838427		1	14	30	0.07	<10	<10	8	<10
X838428		2	23	20	0.13	<10	<10	23	<10
X838429		1	14	30	0.07	<10	<10	11	<10
X838430		3	84	<20	0.14	<10	<10	95	<10
X838431		2	14	30	0.06	<10	<10	13	<10
X838432		1	13	30	0.05	<10	<10	11	<10
X838433		2	44	30	0.09	<10	<10	27	<10
X838434		1	12	30	0.03	<10	<10	6	<10
X838435		2	16	30	0.05	<10	<10	14	<10
X838436		3	44	<20	0.21	<10	<10	51	<10
X838437		6	51	<20	0.22	<10	<10	79	<10



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Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	Au-ICP21 Au ppm	Au-GRA21 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
		0.02	0.001	0.05	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
X838438		2.69	0.001			<0.2	2.50	11	<10	530	0.8	<2	3.82	<0.5	23	215
X838439		2.51	<0.001			<0.2	1.21	11	<10	180	<0.5	<2	1.22	<0.5	12	78
X838440		0.06	0.001			<0.2	1.59	<2	<10	130	<0.5	<2	0.90	<0.5	9	10
X838441		2.23	0.007			<0.2	1.98	36	<10	330	<0.5	<2	1.60	<0.5	26	117
X838442		2.80	0.009			<0.2	1.39	63	<10	170	0.7	<2	0.80	<0.5	14	49
X838443		2.46	0.130			<0.2	0.84	209	<10	150	0.8	<2	0.24	<0.5	9	9
X838444		2.56	0.682		0.70	<0.2	0.94	995	<10	200	0.9	<2	0.36	<0.5	12	23
X838445		2.76	0.003			<0.2	1.75	18	<10	200	0.5	<2	2.97	<0.5	22	102
X838446		2.49	0.001			<0.2	1.77	29	<10	360	0.6	<2	2.19	<0.5	16	65
X838447		2.32	0.002			<0.2	1.99	63	<10	720	1.4	<2	3.33	<0.5	23	107
X838448		2.62	<0.001			<0.2	2.43	10	<10	1040	1.3	<2	5.27	<0.5	19	143
X838449		1.99	0.058			<0.2	1.07	525	<10	270	1.7	<2	2.69	<0.5	26	81
X838450		0.06	0.688		0.64	0.3	2.77	4	<10	100	<0.5	<2	2.01	<0.5	15	104
X838451		1.87	0.044			<0.2	0.66	1370	<10	120	0.9	<2	0.18	<0.5	12	68
X838452		2.56	1.335		1.37	<0.2	0.58	2130	<10	130	0.5	<2	0.14	<0.5	3	36
X838453		2.37	>10.0	10.30	10.50	0.5	0.62	3760	<10	170	1.1	<2	0.26	<0.5	17	43
X838454		2.15	0.254			<0.2	0.96	588	<10	210	0.9	<2	1.40	<0.5	17	40
X838455		2.49	0.050			<0.2	1.59	58	<10	770	1.1	<2	3.61	<0.5	20	122
X838456		2.87	0.048			<0.2	0.85	241	<10	300	0.9	2	1.74	<0.5	11	38
X838457		3.25	0.003			<0.2	2.18	14	<10	610	0.7	<2	2.92	<0.5	21	113
X838458		2.20	<0.001			<0.2	1.38	11	<10	330	0.5	<2	2.28	<0.5	13	81
X838459		2.42	<0.001			<0.2	0.87	13	<10	210	<0.5	<2	0.91	<0.5	4	16
X838460		0.06	<0.001			0.2	1.57	<2	<10	130	<0.5	<2	0.88	<0.5	8	9
X838461		1.79	0.007			<0.2	0.28	8	<10	30	<0.5	<2	0.45	<0.5	2	18
X838462		2.55	0.001			<0.2	0.44	5	<10	20	<0.5	<2	0.60	<0.5	2	20
X838463		2.22	<0.001			<0.2	0.55	3	<10	20	<0.5	<2	0.58	<0.5	2	21
X838464		2.55	0.001			<0.2	0.44	2	<10	20	<0.5	<2	0.61	<0.5	2	18
X838465		1.90	<0.001			<0.2	0.48	7	<10	30	0.5	<2	1.12	<0.5	2	15
X838466		2.04	0.001			<0.2	0.36	6	<10	20	0.5	<2	1.13	<0.5	1	15
X838467		2.12	<0.001			<0.2	0.40	8	<10	30	0.5	<2	0.65	<0.5	1	17
X838468		2.10	<0.001			<0.2	0.43	17	<10	40	0.6	<2	0.10	<0.5	2	14
X838469		2.47	<0.001			<0.2	0.49	28	<10	30	0.7	<2	0.09	<0.5	1	12
X838470		0.06	3.22		2.83	0.8	2.59	161	10	180	<0.5	<2	1.80	<0.5	27	435
X838471		1.96	0.002			<0.2	0.32	13	<10	20	<0.5	<2	0.07	<0.5	1	14
X838472		2.30	<0.001			<0.2	0.47	23	<10	40	0.5	<2	0.13	<0.5	4	20
X838473		2.82	<0.001			<0.2	0.31	16	<10	30	<0.5	<2	0.10	<0.5	1	13
X838474		2.24	<0.001			<0.2	0.22	54	<10	90	0.5	<2	0.37	<0.5	2	12
X838475		2.98	<0.001			<0.2	0.20	25	<10	140	<0.5	<2	0.20	<0.5	1	15
X838476		2.85	<0.001			<0.2	1.22	26	<10	260	0.8	<2	0.71	<0.5	7	53
X838477		2.40	<0.001			<0.2	0.37	52	<10	110	<0.5	<2	0.10	<0.5	2	12



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CERTIFICATE OF ANALYSIS WH18118019

Sample Description	Method Analyte Units LOR	ME-ICP41 Cu ppm 1	ME-ICP41 Fe % 0.01	ME-ICP41 Ga ppm 10	ME-ICP41 Hg ppm 1	ME-ICP41 K % 0.01	ME-ICP41 La ppm 10	ME-ICP41 Mg % 0.01	ME-ICP41 Mn ppm 5	ME-ICP41 Mo ppm 1	ME-ICP41 Na % 0.01	ME-ICP41 Ni ppm 1	ME-ICP41 P ppm 10	ME-ICP41 Pb ppm 2	ME-ICP41 S % 0.01	ME-ICP41 Sb ppm 2
X838438		16	3.38	10	<1	1.92	10	2.51	789	1	0.05	68	640	<2	0.10	5
X838439		6	1.73	<10	<1	0.76	10	1.04	343	2	0.05	26	470	2	0.10	5
X838440		96	2.76	<10	<1	0.20	10	0.73	398	2	0.17	5	640	4	<0.01	<2
X838441		29	3.17	10	<1	1.16	10	1.88	459	2	0.05	65	840	<2	0.30	13
X838442		16	2.53	<10	<1	0.75	20	1.15	386	2	0.05	25	560	<2	0.09	27
X838443		7	2.42	<10	<1	0.45	40	0.38	384	2	0.03	6	640	5	0.03	72
X838444		11	2.46	<10	1	0.46	30	0.53	400	2	0.03	12	450	8	<0.01	170
X838445		31	2.77	10	<1	0.73	<10	1.51	703	2	0.06	46	900	<2	<0.01	13
X838446		16	2.80	10	<1	1.11	20	1.42	513	1	0.04	34	580	<2	0.03	24
X838447		32	4.11	10	<1	1.31	30	1.64	746	2	0.02	59	600	10	0.08	37
X838448		19	3.94	10	<1	1.84	20	2.56	839	2	0.04	61	630	2	0.31	10
X838449		38	4.32	<10	<1	0.18	40	0.57	898	2	0.01	67	800	9	0.19	260
X838450		180	2.69	10	<1	0.18	10	1.46	481	3	0.31	159	400	9	0.04	2
X838451		20	3.81	<10	<1	0.13	10	0.07	223	3	0.01	43	390	8	0.04	590
X838452		32	4.13	<10	<1	0.17	10	0.04	44	4	0.01	13	320	10	0.11	686
X838453		35	6.01	<10	<1	0.29	10	0.13	207	7	0.01	51	460	20	0.02	904
X838454		33	2.54	<10	<1	0.34	30	0.43	583	3	0.01	52	1080	6	0.05	80
X838455		20	3.07	<10	<1	0.92	20	1.82	532	3	0.03	46	540	2	0.35	13
X838456		11	2.18	<10	<1	0.41	30	0.51	510	2	0.02	19	340	4	0.10	6
X838457		6	3.05	10	<1	1.45	10	2.05	896	1	0.04	44	580	<2	0.04	<2
X838458		5	1.98	<10	<1	0.84	20	1.19	554	3	0.03	52	350	2	<0.01	2
X838459		5	1.65	<10	<1	0.60	40	0.50	299	5	0.03	7	270	16	<0.01	2
X838460		97	2.73	<10	<1	0.20	10	0.72	394	2	0.17	5	630	5	<0.01	<2
X838461		6	0.96	<10	<1	0.18	30	0.13	165	7	0.03	4	120	7	0.03	<2
X838462		5	1.19	<10	<1	0.30	30	0.31	211	7	0.03	5	130	5	0.15	<2
X838463		7	1.35	<10	<1	0.39	30	0.40	251	7	0.03	5	160	5	0.09	<2
X838464		6	1.16	<10	<1	0.32	30	0.30	220	9	0.02	5	190	6	0.15	<2
X838465		4	1.08	<10	<1	0.34	30	0.31	267	11	0.03	3	150	3	0.03	<2
X838466		7	1.00	<10	<1	0.23	20	0.28	229	14	0.02	4	90	6	0.20	2
X838467		5	0.94	<10	<1	0.23	30	0.23	147	5	0.03	5	150	2	0.04	<2
X838468		4	0.94	<10	<1	0.20	30	0.18	136	3	0.04	4	130	2	<0.01	<2
X838469		3	0.88	<10	<1	0.22	30	0.20	182	3	0.03	3	150	3	<0.01	3
X838470		85	5.18	10	<1	0.55	10	2.21	838	5	0.18	243	370	18	0.36	4
X838471		3	0.69	<10	<1	0.13	20	0.11	122	3	0.03	4	80	2	<0.01	4
X838472		7	0.99	<10	<1	0.22	20	0.27	184	3	0.03	8	170	4	<0.01	4
X838473		3	0.73	<10	<1	0.13	20	0.10	141	3	0.03	4	270	3	<0.01	2
X838474		5	1.14	<10	<1	0.17	10	0.06	305	4	<0.01	4	370	4	<0.01	4
X838475		5	0.80	<10	<1	0.14	10	0.04	167	3	0.01	4	150	3	<0.01	3
X838476		4	1.92	<10	<1	0.78	40	0.88	437	3	0.02	10	350	4	<0.01	3
X838477		5	0.81	<10	<1	0.18	30	0.08	175	3	0.01	4	200	7	<0.01	4



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Sc	Sr	Th	Ti	Ti	U	V	W	
		ppm 1	ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	Zn ppm 2
X838438		4	76	<20	0.24	<10	<10	65	<10	46
X838439		2	40	20	0.13	<10	<10	24	<10	23
X838440		2	75	<20	0.13	<10	<10	99	<10	39
X838441		2	49	<20	0.23	<10	<10	48	<10	30
X838442		4	31	20	0.11	<10	<10	41	<10	29
X838443		3	19	30	0.04	<10	<10	36	<10	25
X838444		3	30	20	0.03	<10	10	21	<10	28
X838445		5	56	<20	0.22	<10	<10	54	<10	37
X838446		4	41	<20	0.15	<10	<10	46	<10	32
X838447		9	80	<20	0.12	<10	<10	70	<10	43
X838448		12	143	<20	0.17	<10	<10	92	<10	49
X838449		17	44	<20	0.01	<10	10	75	<10	41
X838450		3	80	<20	0.10	<10	<10	70	<10	51
X838451		8	56	<20	<0.01	<10	10	46	<10	47
X838452		3	129	<20	<0.01	<10	10	29	<10	35
X838453		10	146	<20	0.01	<10	30	49	<10	54
X838454		9	86	20	0.02	<10	10	44	<10	41
X838455		7	127	<20	0.11	<10	<10	50	<10	32
X838456		4	32	20	0.02	<10	<10	23	<10	22
X838457		4	54	<20	0.19	<10	<10	47	<10	48
X838458		2	41	20	0.11	<10	<10	28	<10	33
X838459		2	120	30	0.06	<10	<10	18	<10	17
X838460		2	73	<20	0.13	<10	<10	98	<10	38
X838461		<1	21	40	0.01	<10	<10	3	<10	10
X838462		1	20	30	0.02	<10	10	5	<10	15
X838463		1	17	40	0.03	<10	10	8	<10	19
X838464		1	15	30	0.02	<10	10	5	<10	17
X838465		<1	18	30	0.02	<10	<10	3	<10	18
X838466		<1	28	30	0.01	<10	10	3	<10	17
X838467		1	20	30	0.01	<10	<10	4	<10	7
X838468		1	12	30	0.01	<10	<10	3	<10	7
X838469		1	10	30	0.01	<10	<10	4	<10	7
X838470		5	97	<20	0.12	<10	<10	75	<10	62
X838471		<1	9	40	<0.01	<10	<10	2	<10	4
X838472		1	17	30	0.03	<10	<10	9	<10	12
X838473		<1	25	40	<0.01	<10	<10	6	<10	7
X838474		1	52	40	<0.01	<10	<10	24	<10	14
X838475		<1	19	30	<0.01	<10	<10	8	<10	8
X838476		3	26	30	0.06	<10	<10	19	<10	25
X838477		<1	12	30	0.01	<10	<10	3	<10	10



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Sample Description	Method Analyte Units LOR	WEI-21	Au-ICP21	Au-ICP21	Au-AA13	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Recvd Wt.	Au	Au	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr
		kg	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		0.02	0.001	0.05	0.03	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1
X838478		2.68	<0.001			<0.2	0.44	12	<10	110	<0.5	<2	0.16	<0.5	2	13
X838479		2.07	0.001			<0.2	0.59	8	<10	80	0.5	<2	0.37	<0.5	3	18
X838480		0.06	<0.001			<0.2	1.60	<2	<10	130	<0.5	<2	0.90	<0.5	8	10
X838481		2.65	<0.001			<0.2	0.67	67	<10	60	<0.5	<2	0.16	<0.5	3	17
X838482		2.72	<0.001			<0.2	0.95	37	<10	70	0.5	<2	0.13	<0.5	6	20
X838483		2.40	0.003			<0.2	2.41	29	<10	270	0.9	<2	1.65	<0.5	20	153
X838484		2.43	0.088			0.2	0.87	723	<10	280	1.8	<2	1.89	<0.5	26	81
X838485		1.99	0.012			<0.2	1.77	9	<10	190	0.5	2	2.95	<0.5	23	99



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Cu	Fe	Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S
		ppm	%	ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%
		1	0.01	10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01
X838478		3	0.94	<10	<1	0.21	30	0.18	184	2	0.04	4	200	4	<0.01
X838479		4	1.37	<10	<1	0.34	30	0.36	251	3	0.03	5	250	4	0.01
X838480		92	2.76	10	<1	0.21	10	0.73	371	2	0.17	5	620	3	<0.01
X838481		7	1.56	<10	<1	0.37	50	0.30	299	3	0.02	5	320	6	<0.01
X838482		8	1.82	<10	<1	0.58	60	0.46	290	3	0.02	13	340	4	<0.01
X838483		29	3.85	10	<1	1.39	20	1.95	621	2	0.01	135	300	6	<0.01
X838484		29	4.71	<10	1	0.12	30	0.33	940	2	<0.01	66	830	12	0.10
X838485		32	2.84	10	<1	0.76	<10	1.55	646	2	0.05	44	900	2	<0.01



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Sample Description	Method Analyte Units LOR	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Sc	Sr	Th	Ti	Tl	U	V	W	Zn
		ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm
		1	1	20	0.01	10	10	1	10	2
X838478		1	14	30	0.01	<10	<10	4	<10	9
X838479		1	20	30	0.03	<10	<10	12	<10	18
X838480		2	77	<20	0.13	<10	<10	97	<10	36
X838481		1	22	30	0.04	<10	<10	9	<10	25
X838482		2	12	30	0.05	<10	<10	14	<10	26
X838483		5	28	<20	0.16	<10	<10	49	<10	60
X838484		18	34	<20	0.01	<10	10	79	<10	43
X838485		5	56	<20	0.21	<10	<10	55	<10	36



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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	LOG-23
	PUL-32m	PUL-QC	SPL-21	WEI-21
Applies to Method:	Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.			
	Au-AA13	Au-GRA21	Au-ICP21	ME-ICP41