



ALS Canada Ltd.

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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 WH18118015**

Project: Coffee

P.O. No.: KGC-18-1180

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-GR21	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

To: **GOLDCORP KAMINAK LTD**  
**ATTN: MATT ZAGO**  
**SUITE 3400 - 666 BURRARD STREET**  
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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 WH18118015**

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
X838261		1.48	0.110			<0.2	0.60	134	<10	70	<0.5	<2	0.16	<0.5	6	15
X838262		2.86	0.039			<0.2	0.62	78	<10	70	<0.5	<2	0.13	<0.5	5	16
X838263		3.76	0.019			<0.2	0.76	33	<10	90	<0.5	<2	0.14	<0.5	5	16
X838264		0.87	0.013			<0.2	0.56	15	<10	80	<0.5	<2	0.13	<0.5	4	13
X838265		0.88	0.012			<0.2	0.59	79	<10	130	<0.5	<2	0.12	<0.5	6	9
X838266		2.22	0.003			<0.2	0.42	28	<10	100	<0.5	2	0.07	<0.5	4	8
X838267		1.86	0.035			<0.2	0.69	206	<10	110	<0.5	<2	0.14	<0.5	6	8
X838268		1.95	0.007			<0.2	0.62	38	<10	70	<0.5	<2	0.13	<0.5	4	8
X838269		2.06	0.026			<0.2	0.76	111	<10	100	<0.5	<2	0.16	<0.5	5	13
X838270		0.06	3.12		2.98	0.7	2.38	161	<10	180	<0.5	<2	1.75	<0.5	26	432
X838271		2.29	1.465		1.51	0.2	0.69	587	<10	150	0.7	<2	0.16	<0.5	5	11
X838272		2.65	2.85		3.04	0.4	0.47	1555	<10	170	0.9	<2	0.16	<0.5	6	7
X838273		2.21	0.100			<0.2	0.34	339	<10	90	0.5	<2	0.10	<0.5	2	7
X838274		2.12	0.293			<0.2	0.44	867	<10	90	0.7	<2	0.14	<0.5	3	7
X838275		2.07	0.027			<0.2	2.26	163	<10	470	0.7	<2	2.62	<0.5	15	6
X838276		2.00	1.155		1.21	<0.2	1.59	2070	<10	400	1.1	<2	2.44	<0.5	22	8
X838277		1.90	0.079			<0.2	0.89	334	<10	190	<0.5	<2	0.34	<0.5	6	8
X838278		2.03	0.040			<0.2	0.42	61	<10	100	<0.5	<2	0.11	<0.5	3	10
X838279		1.94	0.020			<0.2	0.75	22	<10	90	<0.5	<2	0.20	<0.5	4	34
X838280		0.06	0.008			<0.2	1.47	<2	<10	120	<0.5	<2	0.84	<0.5	8	9
X838281		2.20	0.007			<0.2	0.84	18	<10	160	0.6	<2	0.23	<0.5	6	76
X838282		1.86	0.016			<0.2	0.68	43	<10	100	<0.5	<2	0.24	<0.5	3	10
X838283		2.30	0.013			<0.2	1.04	42	<10	200	0.5	<2	0.67	<0.5	5	13
X838284		2.57	0.012			<0.2	2.77	19	<10	450	0.8	<2	3.64	<0.5	22	205
X838285		2.17	0.010			<0.2	1.56	21	<10	280	0.5	<2	0.98	<0.5	14	87
X838286		2.27	0.007			<0.2	1.76	10	<10	250	<0.5	<2	1.41	<0.5	16	81
X838287		2.59	0.002			<0.2	2.12	9	<10	360	0.5	<2	1.36	<0.5	14	71
X838288		1.93	0.003			<0.2	2.04	7	<10	300	0.5	<2	1.63	<0.5	16	78
X838289		2.59	0.013			<0.2	2.31	18	<10	400	0.7	<2	1.57	<0.5	24	124
X838290		0.06	6.28		5.55	0.9	2.37	520	<10	110	<0.5	<2	1.92	<0.5	43	801
X838291		2.62	0.003			<0.2	2.80	9	<10	540	0.8	<2	3.27	<0.5	20	195
X838292		1.88	0.010			<0.2	2.00	14	<10	270	0.6	<2	1.98	<0.5	14	123
X838293		1.90	0.001			<0.2	0.54	14	<10	60	<0.5	<2	0.44	<0.5	3	10
X838294		2.34	0.010			<0.2	2.25	33	<10	280	0.9	<2	1.71	<0.5	24	126
X838295		2.32	0.014			<0.2	1.92	84	<10	280	0.8	<2	1.08	<0.5	25	117
X838296		2.19	0.008			<0.2	2.60	47	<10	540	1.7	<2	4.13	<0.5	22	168
X838297		2.18	0.006			<0.2	2.26	33	<10	350	1.3	<2	3.28	<0.5	18	105
X838298		2.11	0.001			<0.2	0.89	13	<10	80	0.5	<2	1.21	<0.5	8	31
X838299		2.78	0.003			<0.2	2.04	31	<10	220	1.1	<2	3.14	<0.5	17	135
X838300		0.06	0.001			<0.2	1.51	<2	<10	130	<0.5	<2	0.87	<0.5	7	10



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**CERTIFICATE OF ANALYSIS WH18118015**

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
X838261		10	1.55	<10	<1	0.11	10	0.14	352	2	0.02	10	210	6	0.01	2
X838262		10	1.50	<10	<1	0.17	20	0.14	242	2	0.03	11	220	7	0.01	2
X838263		8	1.52	<10	1	0.35	30	0.26	266	2	0.04	42	250	4	0.01	<2
X838264		13	1.42	<10	<1	0.30	30	0.22	228	4	0.03	21	300	4	0.01	<2
X838265		11	1.67	<10	<1	0.29	50	0.20	248	4	0.04	9	360	6	0.02	<2
X838266		10	1.40	<10	<1	0.21	40	0.12	130	5	0.03	5	250	8	0.02	<2
X838267		12	1.97	<10	1	0.43	60	0.22	260	3	0.04	7	410	4	0.03	10
X838268		13	1.73	<10	1	0.37	30	0.23	148	3	0.04	5	340	4	0.03	<2
X838269		15	1.76	<10	<1	0.41	60	0.30	228	2	0.05	31	430	6	0.02	11
X838270		87	4.98	10	<1	0.52	10	2.17	855	5	0.16	238	380	22	0.37	<2
X838271		9	1.90	<10	<1	0.34	60	0.15	341	2	0.02	11	460	7	<0.01	619
X838272		11	2.17	<10	<1	0.21	50	0.04	514	3	<0.01	9	330	12	<0.01	97
X838273		5	1.17	<10	<1	0.19	50	0.06	247	1	0.03	5	380	4	<0.01	23
X838274		5	1.45	<10	1	0.18	60	0.04	191	1	0.02	5	350	5	<0.01	20
X838275		17	3.49	10	<1	0.63	30	1.09	570	1	0.06	7	930	5	0.01	5
X838276		29	4.05	<10	<1	0.52	30	0.70	754	2	0.03	13	900	8	0.02	8
X838277		14	1.84	<10	<1	0.41	50	0.38	263	1	0.05	7	480	3	0.01	<2
X838278		6	1.20	<10	<1	0.25	40	0.17	122	3	0.05	6	290	3	0.08	3
X838279		5	1.30	<10	<1	0.51	50	0.54	229	2	0.04	13	300	3	<0.01	<2
X838280		92	2.65	<10	<1	0.20	10	0.71	369	2	0.15	4	630	2	0.01	<2
X838281		6	1.63	<10	<1	0.53	30	0.58	237	3	0.04	21	330	14	0.04	<2
X838282		7	1.09	<10	<1	0.40	60	0.37	230	1	0.04	7	410	7	<0.01	<2
X838283		9	1.77	<10	<1	0.75	50	0.52	410	<1	0.03	9	410	14	<0.01	<2
X838284		18	3.80	10	<1	2.05	10	2.67	803	1	0.03	65	690	3	<0.01	<2
X838285		11	2.35	10	<1	1.02	20	1.47	376	1	0.05	32	570	2	0.01	<2
X838286		13	2.63	10	<1	1.18	20	1.61	497	1	0.04	31	670	2	<0.01	<2
X838287		9	3.22	10	<1	1.51	20	1.73	592	1	0.05	26	640	<2	<0.01	<2
X838288		20	2.79	10	<1	1.46	20	1.97	503	1	0.03	40	580	4	<0.01	<2
X838289		43	3.65	10	<1	1.65	10	2.23	686	1	0.03	51	690	5	<0.01	<2
X838290		98	7.21	10	<1	0.59	10	2.68	1275	6	0.06	466	470	18	0.97	2
X838291		16	4.12	10	<1	2.06	10	2.77	953	1	0.05	52	800	4	0.03	2
X838292		8	2.88	10	<1	1.45	20	1.98	698	1	0.04	33	500	2	0.01	<2
X838293		7	1.05	<10	<1	0.34	50	0.26	212	<1	0.04	4	200	<2	<0.01	2
X838294		27	3.55	10	<1	1.59	10	2.20	586	1	0.03	60	660	3	<0.01	<2
X838295		14	3.23	<10	<1	1.13	10	1.83	438	1	0.04	48	820	2	<0.01	<2
X838296		17	3.71	10	<1	1.83	10	2.57	914	<1	0.01	58	700	3	<0.01	<2
X838297		7	3.51	10	<1	1.62	20	1.84	936	<1	0.02	41	610	7	<0.01	5
X838298		8	1.55	<10	<1	0.66	20	0.66	290	1	0.02	18	390	<2	<0.01	5
X838299		3	3.07	10	<1	1.31	20	1.75	666	1	0.03	49	590	3	<0.01	8
X838300		91	2.64	<10	<1	0.20	10	0.72	376	2	0.16	5	640	4	0.01	<2



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**CERTIFICATE OF ANALYSIS WH18118015**

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
X838261		2	15	20	0.03	<10	<10	22	<10
X838262		2	15	20	0.04	<10	<10	20	<10
X838263		1	15	30	0.06	<10	<10	12	<10
X838264		1	12	20	0.05	<10	<10	7	<10
X838265		1	11	30	0.04	<10	<10	9	<10
X838266		1	11	30	0.04	<10	<10	4	<10
X838267		1	17	30	0.06	<10	<10	10	<10
X838268		1	17	30	0.09	<10	<10	8	<10
X838269		2	45	30	0.06	<10	<10	14	<10
X838270		5	91	<20	0.11	<10	<10	75	<10
X838271		2	26	30	0.02	<10	10	26	<10
X838272		3	47	20	<0.01	<10	10	23	<10
X838273		1	9	30	0.01	<10	<10	6	<10
X838274		1	12	30	<0.01	<10	<10	7	<10
X838275		7	74	<20	0.10	<10	<10	104	<10
X838276		9	55	<20	0.04	10	10	83	<10
X838277		2	29	20	0.04	<10	<10	24	<10
X838278		1	11	30	0.02	<10	<10	5	<10
X838279		1	13	30	0.06	<10	<10	11	<10
X838280		2	69	<20	0.12	<10	<10	96	<10
X838281		2	27	20	0.09	<10	<10	15	<10
X838282		1	15	30	0.06	<10	<10	13	<10
X838283		2	22	20	0.06	<10	<10	19	<10
X838284		6	61	<20	0.22	<10	<10	70	<10
X838285		2	35	20	0.16	<10	<10	35	<10
X838286		3	44	<20	0.19	<10	<10	46	<10
X838287		3	43	<20	0.18	<10	<10	56	<10
X838288		3	46	<20	0.20	<10	<10	56	<10
X838289		3	52	<20	0.23	<10	<10	68	<10
X838290		6	68	<20	0.09	<10	<10	80	<10
X838291		5	63	<20	0.29	<10	<10	86	<10
X838292		4	35	<20	0.17	<10	<10	47	<10
X838293		1	20	30	0.02	<10	<10	10	<10
X838294		5	41	<20	0.22	<10	<10	66	<10
X838295		3	48	<20	0.23	<10	<10	54	<10
X838296		6	117	<20	0.16	<10	<10	140	<10
X838297		6	81	<20	0.15	<10	<10	68	<10
X838298		2	80	<20	0.09	<10	<10	32	<10
X838299		6	81	<20	0.16	<10	<10	57	<10
X838300		2	72	<20	0.13	<10	<10	97	<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
X838301		2.30	0.003			<0.2	1.78	29	<10	150	0.8	<2	2.56	<0.5	20	122
X838302		2.81	0.001			<0.2	1.97	21	<10	280	0.7	<2	2.92	<0.5	18	154
X838303		2.48	0.004			<0.2	1.61	19	<10	250	0.5	<2	2.80	<0.5	14	105
X838304		2.61	<0.001			<0.2	1.84	4	<10	270	<0.5	<2	4.07	<0.5	19	151
X838305		2.28	0.009			<0.2	1.80	116	<10	350	0.6	<2	3.57	<0.5	16	103
X838306		2.41	0.008			<0.2	0.95	172	<10	90	0.7	<2	0.18	<0.5	2	9
X838307		2.03	0.863		0.91	<0.2	0.38	633	<10	70	0.6	<2	0.09	<0.5	<1	7
X838308		2.14	0.026			<0.2	0.31	91	<10	80	<0.5	<2	0.10	<0.5	<1	7
X838309		2.08	0.015			<0.2	0.22	67	<10	60	<0.5	<2	0.21	<0.5	<1	9
X838310		0.06	0.678		0.68	0.2	2.52	3	<10	90	<0.5	<2	1.87	<0.5	13	97
X838311		2.21	0.012			<0.2	0.27	103	<10	160	<0.5	<2	0.55	<0.5	<1	9
X838312		1.94	0.006			<0.2	0.37	187	<10	100	0.6	<2	0.37	<0.5	<1	7
X838313		2.45	0.022			<0.2	0.35	107	<10	210	<0.5	<2	0.49	<0.5	<1	7
X838314		1.89	>10.0	12.00	11.80	0.8	0.33	2460	<10	350	<0.5	<2	0.07	<0.5	<1	11
X838315		2.26	3.78		3.63	0.4	0.38	1660	<10	120	0.5	<2	0.09	<0.5	4	15
X838316		2.21	3.17		3.28	0.6	0.52	1920	<10	260	0.8	<2	0.17	0.5	20	18
X838317		2.30	>10.0	17.85	17.35	0.7	0.33	1670	<10	190	0.8	<2	0.14	<0.5	10	20
X838318		2.47	3.71		3.78	0.2	0.42	304	<10	180	0.5	<2	0.35	<0.5	2	10
X838319		2.37	0.066			<0.2	0.41	50	<10	230	0.5	<2	0.07	<0.5	<1	7
X838320		0.06	0.023			<0.2	1.69	<2	<10	130	<0.5	<2	1.00	<0.5	8	10
X838321		1.97	0.034			<0.2	0.49	43	<10	350	0.6	<2	0.55	<0.5	<1	7
X838322		2.65	0.014			<0.2	0.56	14	<10	200	0.8	<2	0.84	<0.5	<1	7
X838323		1.99	0.006			<0.2	0.24	10	<10	20	0.5	<2	0.59	<0.5	<1	9
X838324		1.85	0.005			<0.2	0.24	14	<10	40	<0.5	<2	0.20	<0.5	<1	11
X838325		1.94	<0.001			<0.2	0.21	11	<10	50	<0.5	<2	0.24	<0.5	<1	11
X838326		1.99	<0.001			<0.2	0.75	17	<10	100	0.6	<2	0.80	<0.5	5	31
X838327		2.21	<0.001			<0.2	0.41	8	<10	30	0.6	<2	0.16	<0.5	<1	12
X838328		1.65	<0.001			<0.2	0.47	5	<10	50	<0.5	<2	0.54	<0.5	<1	12
X838329		1.56	<0.001			<0.2	0.27	4	<10	30	<0.5	<2	0.24	<0.5	<1	12
X838330		0.06	6.32		5.49	0.8	2.64	568	<10	120	<0.5	<2	2.12	<0.5	48	887
X838331		1.69	0.003			<0.2	0.33	4	<10	40	<0.5	<2	0.19	<0.5	<1	14
X838332		1.85	<0.001			<0.2	0.34	2	<10	120	<0.5	<2	0.19	<0.5	<1	12
X838333		2.05	<0.001			<0.2	0.34	4	<10	60	<0.5	<2	0.11	<0.5	<1	13
X838334		2.05	<0.001			<0.2	0.38	4	<10	30	<0.5	<2	0.08	<0.5	<1	11
X838335		1.88	<0.001			<0.2	0.32	3	<10	30	<0.5	<2	0.13	<0.5	1	12
X838336		1.86	<0.001			<0.2	0.54	5	<10	30	<0.5	<2	0.21	<0.5	1	18
X838337		1.59	<0.001			<0.2	0.49	4	<10	60	<0.5	<2	0.27	<0.5	1	14
X838338		1.65	<0.001			<0.2	0.49	<2	<10	40	<0.5	<2	0.71	<0.5	1	13
X838339		1.67	<0.001			<0.2	0.79	3	<10	60	<0.5	<2	0.75	<0.5	2	18
X838340		0.06	<0.001			<0.2	1.67	<2	<10	130	<0.5	<2	1.00	<0.5	8	10



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**CERTIFICATE OF ANALYSIS WH18118015**

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
X838301		11	2.64	10	<1	0.92	10	1.60	503	1	0.02	44	570	2	<0.01	6
X838302		2	2.78	<10	<1	1.25	10	1.94	650	1	0.04	31	600	<2	<0.01	5
X838303		3	2.25	<10	<1	1.00	10	1.48	624	<1	0.03	33	420	2	<0.01	<2
X838304		6	2.59	<10	<1	1.02	10	1.72	680	1	0.05	50	500	<2	0.06	<2
X838305		9	2.67	<10	<1	1.03	20	1.52	763	<1	0.02	24	420	4	<0.01	34
X838306		3	1.46	<10	<1	0.38	40	0.29	245	1	0.02	4	230	5	<0.01	58
X838307		2	0.89	<10	<1	0.17	20	0.03	226	1	<0.01	3	70	10	<0.01	86
X838308		3	0.70	<10	<1	0.16	20	0.02	144	1	0.02	2	50	5	<0.01	9
X838309		3	0.66	<10	<1	0.13	20	0.02	172	1	0.03	3	70	4	<0.01	14
X838310		149	2.37	<10	<1	0.17	10	1.33	432	2	0.28	135	360	9	0.05	<2
X838311		3	1.02	<10	<1	0.12	20	0.06	193	2	0.04	2	90	4	0.07	13
X838312		2	0.67	<10	<1	0.12	20	0.04	174	<1	0.01	2	70	2	<0.01	31
X838313		3	0.66	<10	<1	0.15	20	0.02	131	1	<0.01	2	30	4	<0.01	12
X838314		6	1.67	<10	<1	0.27	10	0.02	93	1	<0.01	4	110	13	0.16	997
X838315		9	1.95	<10	<1	0.24	10	0.04	128	1	<0.01	7	160	16	0.06	2270
X838316		17	2.86	<10	<1	0.32	20	0.07	1345	1	<0.01	39	520	16	<0.01	798
X838317		18	2.77	<10	<1	0.20	10	0.05	679	1	<0.01	41	280	36	<0.01	595
X838318		5	1.22	<10	<1	0.26	30	0.04	297	1	<0.01	7	130	12	<0.01	44
X838319		5	0.72	<10	<1	0.18	30	0.03	175	<1	<0.01	3	50	6	<0.01	8
X838320		94	2.77	<10	<1	0.21	10	0.75	404	2	0.19	4	670	3	<0.01	<2
X838321		2	0.67	<10	<1	0.17	20	0.08	171	1	<0.01	2	30	5	0.01	6
X838322		2	0.63	<10	<1	0.19	20	0.27	179	3	0.01	2	30	7	0.01	<2
X838323		2	0.63	<10	<1	0.16	20	0.04	183	1	0.03	2	40	5	0.01	2
X838324		6	0.71	<10	<1	0.17	20	0.02	177	3	0.03	3	40	10	0.02	2
X838325		3	0.59	<10	<1	0.15	20	0.02	177	1	0.03	3	40	8	<0.01	<2
X838326		10	1.48	<10	<1	0.36	20	0.46	310	1	0.04	14	270	6	<0.01	2
X838327		4	0.97	<10	<1	0.19	30	0.20	191	1	0.04	3	90	2	<0.01	2
X838328		2	0.96	<10	<1	0.22	20	0.27	195	1	0.05	3	70	4	<0.01	<2
X838329		2	0.65	<10	<1	0.11	20	0.10	118	2	0.04	5	50	3	<0.01	<2
X838330		106	7.97	10	<1	0.65	10	2.98	1400	6	0.07	514	510	19	1.07	4
X838331		8	0.90	<10	<1	0.14	20	0.15	145	2	0.06	4	50	5	<0.01	<2
X838332		4	0.81	<10	<1	0.15	20	0.20	122	1	0.04	3	60	4	<0.01	<2
X838333		3	0.83	<10	<1	0.18	20	0.18	151	1	0.05	3	80	2	<0.01	<2
X838334		1	0.72	<10	<1	0.19	20	0.25	108	1	0.04	2	80	<2	<0.01	<2
X838335		2	0.68	<10	<1	0.13	20	0.15	115	1	0.05	2	80	2	<0.01	<2
X838336		2	1.11	<10	<1	0.29	20	0.36	164	1	0.04	3	150	<2	<0.01	2
X838337		2	1.06	<10	<1	0.22	30	0.28	184	1	0.05	3	130	3	<0.01	<2
X838338		3	1.13	<10	<1	0.29	40	0.26	233	4	0.04	3	180	5	0.05	<2
X838339		3	1.49	<10	<1	0.55	30	0.44	298	2	0.04	5	260	4	<0.01	<2
X838340		93	2.75	<10	<1	0.21	10	0.75	398	1	0.19	4	660	2	<0.01	<2



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**CERTIFICATE OF ANALYSIS WH18118015**

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
X838301		4	81	<20	0.18	<10	<10	43	<10
X838302		3	69	<20	0.22	<10	<10	49	<10
X838303		3	58	<20	0.13	<10	<10	37	<10
X838304		3	81	<20	0.21	10	<10	45	<10
X838305		3	54	<20	0.15	<10	<10	38	<10
X838306		1	17	30	0.02	<10	<10	7	<10
X838307		1	19	30	<0.01	<10	<10	4	<10
X838308		<1	11	30	<0.01	<10	<10	1	<10
X838309		<1	18	30	<0.01	<10	<10	1	<10
X838310		2	75	<20	0.09	<10	<10	64	<10
X838311		<1	29	30	<0.01	<10	<10	2	<10
X838312		<1	20	30	<0.01	<10	<10	2	<10
X838313		<1	12	30	<0.01	<10	<10	1	<10
X838314		2	83	20	<0.01	<10	<10	8	<10
X838315		2	82	20	<0.01	<10	10	6	<10
X838316		4	148	20	<0.01	<10	20	9	<10
X838317		3	90	<20	<0.01	<10	10	13	<10
X838318		1	64	30	<0.01	<10	<10	3	<10
X838319		<1	22	40	<0.01	<10	<10	2	<10
X838320		3	85	<20	0.15	<10	<10	103	<10
X838321		<1	22	40	<0.01	<10	<10	2	<10
X838322		<1	29	40	<0.01	<10	<10	1	<10
X838323		<1	17	40	<0.01	<10	<10	1	<10
X838324		<1	8	40	<0.01	<10	<10	1	<10
X838325		<1	10	30	<0.01	<10	<10	1	<10
X838326		2	21	30	0.06	<10	<10	17	<10
X838327		<1	13	40	0.01	<10	<10	3	<10
X838328		<1	17	40	0.01	<10	<10	2	<10
X838329		<1	13	40	<0.01	<10	<10	1	<10
X838330		7	74	<20	0.10	10	<10	89	<10
X838331		<1	27	40	0.01	<10	<10	2	<10
X838332		<1	46	40	0.02	<10	<10	4	<10
X838333		<1	28	30	0.01	<10	<10	7	<10
X838334		<1	11	30	0.01	<10	<10	3	<10
X838335		<1	11	30	0.01	<10	<10	2	<10
X838336		1	12	30	0.02	<10	<10	8	<10
X838337		1	13	30	0.02	<10	<10	5	<10
X838338		1	21	40	0.02	<10	<10	5	<10
X838339		1	27	30	0.05	<10	<10	12	<10
X838340		3	83	<20	0.14	<10	<10	102	<10



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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
X838341		1.97	0.001			<0.2	2.47	14	<10	210	0.8	<2	1.00	<0.5	21	279
X838342		1.23	0.002			<0.2	2.65	6	<10	380	0.7	<2	1.30	<0.5	24	287
X838343		2.12	0.003			<0.2	0.84	3	<10	90	<0.5	<2	0.92	<0.5	6	47
X838344		2.63	0.001			<0.2	1.81	7	<10	200	0.7	<2	2.53	<0.5	11	44
X838345		1.91	<0.001			<0.2	1.99	10	<10	310	<0.5	<2	1.41	<0.5	16	70
X838346		2.18	<0.001			<0.2	1.91	15	<10	290	<0.5	<2	2.75	<0.5	15	70
X838347		2.27	>10.0	19.70	18.85	0.7	0.28	1655	<10	170	0.8	<2	0.14	<0.5	10	20
X838348		2.29	0.016			<0.2	2.61	12	<10	360	0.7	<2	1.21	<0.5	23	273





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**CERTIFICATE OF ANALYSIS WH18118015**

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
X838341		5	2.89	10	<1	1.51	30	2.90	498	1	0.03	265	320	3	<0.01
X838342		18	3.54	10	<1	1.52	10	2.92	673	1	0.03	198	600	3	<0.01
X838343		10	1.24	<10	<1	0.47	40	0.64	216	1	0.03	29	340	2	<0.01
X838344		3	3.12	<10	<1	1.10	30	1.19	1120	3	0.03	28	370	5	0.02
X838345		13	3.03	<10	<1	1.30	20	1.49	607	2	0.04	42	550	<2	0.13
X838346		19	3.03	<10	<1	0.93	10	1.33	693	2	0.05	35	660	<2	0.16
X838347		20	2.77	<10	<1	0.17	10	0.05	646	1	<0.01	41	250	48	<0.01
X838348		15	3.56	10	<1	1.48	10	2.77	681	1	0.03	185	590	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 1	ppm 1	ppm 20	% 0.01	ppm 10	ppm 10	ppm 1	ppm 10	ppm 2
X838341		4	25	<20	0.14	<10	<10	43	<10	45
X838342		4	46	<20	0.23	<10	<10	56	<10	53
X838343		1	31	20	0.06	<10	<10	15	<10	13
X838344		2	80	<20	0.19	<10	<10	29	<10	31
X838345		2	38	<20	0.22	<10	<10	45	<10	39
X838346		2	76	<20	0.22	<10	<10	41	<10	41
X838347		3	72	<20	<0.01	<10	10	13	<10	38
X838348		4	50	<20	0.23	<10	<10	53	<10	52



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**CERTIFICATE OF ANALYSIS WH18118015**

**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