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To: PACIFIC RIDGE EXPLORATION LTD.
SUITE 1100 - 1111 MELVILLE STREET
VANCOUVER BC V6E 3V6

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Account: PARIEX

CERTIFICATE WH18202449

Project: RC PROJECT

This report is for 118 Soil samples submitted to our lab in Whitehorse, YT, Canada on 18-AUG-2018.

The following have access to data associated with this certificate:

GERRY CARLSON

SAMPLE PREPARATION

ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-21	Sample logging - ClientBarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES

ALS CODE	DESCRIPTION	INSTRUMENT
Au-ICP21	Au 30g FA ICP-AES Finish	ICP-AES
ME-ICP41	35 Element Aqua Regia ICP-AES	ICP-AES

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 WH18202449

Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOD		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W425051		0.55	0.006	0.2	1.97	46	<10	100	0.5	<2	0.09	<0.5	10	32	27	3.75
W425052		0.39	0.012	<0.2	1.04	27	<10	50	<0.5	<2	0.09	<0.5	10	25	32	3.55
W425053		0.54	0.006	0.6	1.68	20	<10	70	<0.5	<2	0.07	<0.5	13	29	45	4.02
W425054		0.42	0.006	0.2	1.61	27	<10	70	0.5	<2	0.07	<0.5	13	30	49	4.17
W425055		0.47	0.006	0.3	2.11	48	<10	110	0.6	<2	0.09	<0.5	18	35	63	5.10
W425056		0.50	0.007	0.3	1.44	54	<10	80	<0.5	<2	0.09	<0.5	16	28	53	4.52
W425057		0.63	0.013	0.4	1.72	47	<10	70	0.5	<2	0.12	<0.5	35	30	59	4.41
W425058		0.53	0.009	0.2	1.90	22	<10	90	0.5	<2	0.15	<0.5	40	34	68	4.59
W425059		0.58	0.009	0.3	0.91	13	<10	40	<0.5	2	0.04	<0.5	7	23	39	3.44
W425060		0.54	0.001	0.6	1.14	30	10	50	0.5	<2	0.03	<0.5	7	24	41	3.91
W425061		0.63	0.006	0.3	0.70	87	10	30	<0.5	<2	0.02	<0.5	7	17	41	3.33
W425062		0.53	0.003	0.3	1.16	36	10	60	0.5	<2	0.03	<0.5	13	24	42	3.36
W425063		0.53	0.003	0.2	1.61	62	10	90	0.6	<2	0.04	<0.5	13	29	44	4.17
W425064		0.53	0.006	0.3	1.74	186	10	90	0.6	<2	0.04	<0.5	21	34	59	4.86
W425065		0.53	0.022	0.6	1.87	34	10	110	0.7	<2	0.05	<0.5	16	33	57	5.67
W425066		0.54	0.039	1.5	1.76	57	10	100	0.7	<2	0.08	<0.5	16	33	45	5.23
W425067		0.26	0.006	0.5	1.80	27	10	90	1.0	<2	0.06	<0.5	15	31	48	5.36
W425068		0.44	0.032	0.4	1.65	44	10	60	0.6	<2	0.05	<0.5	17	32	45	5.25
W425069		0.49	0.008	0.3	1.85	41	<10	80	1.0	<2	0.07	<0.5	20	27	45	5.10
W425070		0.33	0.006	1.0	1.65	17	<10	100	0.5	<2	0.10	<0.5	16	28	47	4.88
W425071		0.51	0.005	0.2	1.22	19	<10	100	<0.5	<2	0.14	<0.5	12	23	34	3.49
W425072		0.47	0.005	0.2	1.56	21	<10	110	<0.5	<2	0.12	<0.5	11	28	37	3.84
W425073		0.55	0.009	0.4	1.42	25	<10	90	<0.5	<2	0.10	<0.5	12	28	35	3.99
W425074		0.18	0.006	0.2	1.50	42	<10	90	0.5	<2	0.11	<0.5	11	26	33	3.71
W425075		0.37	0.021	<0.2	1.91	22	<10	80	<0.5	<2	0.12	<0.5	15	36	58	5.42
W425076		0.49	0.008	0.4	1.70	52	<10	90	<0.5	<2	0.06	<0.5	7	33	53	5.26
W425077		0.48	0.017	0.2	1.65	26	<10	110	0.5	<2	0.10	<0.5	10	31	50	4.35
W425078		0.55	0.011	0.6	1.82	52	<10	70	0.5	<2	0.06	<0.5	13	31	40	4.43
W425079		0.34	0.006	0.4	1.27	60	<10	50	<0.5	<2	0.08	<0.5	10	27	39	3.66
W425080		0.47	0.015	0.5	1.17	58	<10	50	<0.5	<2	0.07	<0.5	8	24	31	3.50
W425081		0.41	0.003	<0.2	1.21	56	<10	50	<0.5	<2	0.05	<0.5	8	23	27	3.20
W425082		0.43	0.007	0.9	0.99	48	<10	40	0.5	<2	0.03	<0.5	9	21	38	3.98
W425083		0.45	0.006	0.5	1.45	220	<10	70	0.6	<2	0.03	<0.5	9	30	43	4.24
W425084		0.51	0.012	0.6	1.38	70	<10	50	0.5	<2	0.02	<0.5	16	30	43	4.81
W425085		0.56	0.009	1.2	2.07	144	<10	70	0.6	<2	0.04	<0.5	16	36	63	6.06
W425086		0.63	0.016	42.5	1.59	175	<10	40	0.6	<2	0.03	<0.5	12	26	89	5.75
W425087		0.52	0.024	0.5	2.04	92	<10	130	1.7	<2	0.18	<0.5	42	26	59	5.23
W425088		0.67	0.015	2.6	1.38	125	<10	80	0.6	<2	0.07	0.5	17	25	50	5.11
W425089		0.62	0.009	2.2	1.88	78	<10	90	0.7	<2	0.07	<0.5	21	40	66	5.81
W425090		0.61	0.017	0.3	1.41	15	<10	60	0.7	<2	0.07	<0.5	20	30	38	4.87



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CERTIFICATE OF ANALYSIS WH18202449

Sample Description	Method Analyte Units LOD	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	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W425051		10	<1	0.06	10	0.46	414	1	0.01	22	670	28	0.04	2	2	13
W425052		<10	<1	0.06	10	0.32	604	1	0.01	19	690	16	0.05	4	1	11
W425053		<10	1	0.08	20	0.37	516	2	0.01	21	1130	20	0.11	2	1	13
W425054		<10	<1	0.09	20	0.45	426	2	0.01	25	920	19	0.10	2	2	13
W425055		10	1	0.12	20	0.47	536	2	0.01	30	930	26	0.11	2	2	18
W425056		<10	1	0.10	20	0.38	391	1	0.02	30	840	14	0.11	<2	2	16
W425057		<10	<1	0.08	20	0.49	1120	2	0.02	45	1050	20	0.06	<2	2	19
W425058		10	1	0.09	20	0.51	1145	1	0.01	43	1290	19	0.08	<2	2	17
W425059		<10	1	0.05	30	0.22	194	1	<0.01	21	500	15	0.03	2	2	8
W425060		<10	<1	0.11	30	0.33	155	2	0.01	17	630	14	0.09	3	1	8
W425061		<10	<1	0.06	30	0.15	193	2	<0.01	15	420	13	0.02	2	2	6
W425062		<10	<1	0.14	30	0.33	389	5	0.01	21	550	18	0.07	2	2	8
W425063		10	<1	0.23	20	0.49	298	5	0.01	28	600	13	0.11	2	2	9
W425064		10	<1	0.36	30	0.58	520	4	0.02	27	900	13	0.16	2	2	15
W425065		10	<1	0.30	30	0.63	389	5	0.01	30	820	22	0.17	<2	3	14
W425066		10	<1	0.23	20	0.62	533	3	0.01	39	760	50	0.08	4	3	14
W425067		<10	<1	0.18	30	0.48	422	5	0.01	42	900	19	0.09	3	3	14
W425068		10	<1	0.11	20	0.50	485	4	<0.01	38	820	16	0.07	5	2	10
W425069		10	<1	0.11	30	0.42	723	4	0.01	38	1010	17	0.06	3	2	12
W425070		<10	<1	0.07	20	0.41	497	1	0.01	28	1000	19	0.07	2	1	15
W425071		<10	<1	0.06	20	0.38	370	1	<0.01	25	720	14	0.01	2	2	13
W425072		<10	<1	0.07	20	0.42	368	1	0.01	27	760	15	0.04	2	2	13
W425073		<10	<1	0.08	20	0.38	418	1	0.01	25	760	15	0.04	2	2	13
W425074		<10	<1	0.07	10	0.37	380	1	0.01	26	700	14	0.05	<2	2	12
W425075		10	<1	0.09	20	0.62	566	2	0.02	27	1220	20	0.07	2	3	16
W425076		10	<1	0.16	20	0.60	220	1	0.01	18	770	21	0.08	<2	3	12
W425077		<10	<1	0.13	20	0.54	310	1	0.01	24	770	17	0.07	<2	2	16
W425078		10	<1	0.10	20	0.51	470	3	<0.01	25	900	14	0.05	<2	2	11
W425079		<10	<1	0.14	20	0.44	328	3	0.01	24	790	13	0.07	<2	2	12
W425080		<10	<1	0.10	20	0.38	211	1	<0.01	23	540	19	0.03	<2	2	9
W425081		<10	<1	0.09	20	0.35	157	1	<0.01	18	460	10	0.03	2	1	7
W425082		<10	1	0.10	30	0.28	222	2	<0.01	19	660	8	0.04	2	2	5
W425083		<10	<1	0.22	30	0.49	205	2	<0.01	23	560	21	0.08	<2	2	8
W425084		<10	<1	0.23	30	0.49	355	3	<0.01	31	510	25	0.06	4	3	7
W425085		10	<1	0.10	30	0.76	428	3	<0.01	33	800	40	0.06	<2	2	11
W425086		<10	<1	0.07	30	0.59	237	2	<0.01	28	540	834	0.05	33	2	7
W425087		10	<1	0.32	40	0.68	1205	2	0.01	73	1080	23	0.04	<2	4	26
W425088		<10	<1	0.10	30	0.47	444	2	<0.01	35	720	52	0.04	3	3	13
W425089		10	<1	0.19	30	0.57	543	4	0.01	36	1000	50	0.11	3	4	17
W425090		<10	<1	0.16	20	0.51	646	4	<0.01	38	730	12	0.04	2	3	10



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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W425051		<20	0.05	<10	<10	60	<10	79
W425052		<20	0.04	<10	<10	43	<10	64
W425053		<20	0.03	<10	<10	38	<10	66
W425054		<20	0.05	<10	<10	46	<10	76
W425055		<20	0.04	<10	<10	50	<10	90
W425056		<20	0.04	<10	<10	40	<10	75
W425057		<20	0.05	<10	<10	47	<10	90
W425058		<20	0.05	<10	<10	48	<10	89
W425059		<20	0.02	<10	<10	36	<10	59
W425060		<20	0.02	<10	<10	30	<10	59
W425061		<20	0.02	<10	<10	27	<10	42
W425062		<20	0.03	<10	<10	34	<10	55
W425063		<20	0.06	<10	<10	39	<10	67
W425064		<20	0.05	<10	<10	38	<10	64
W425065		<20	0.05	<10	<10	42	<10	85
W425066		<20	0.05	<10	<10	40	<10	107
W425067		<20	0.04	<10	<10	41	<10	88
W425068		<20	0.04	<10	<10	43	10	75
W425069		<20	0.02	<10	<10	39	<10	92
W425070		<20	0.03	<10	<10	41	<10	87
W425071		<20	0.05	<10	<10	38	<10	72
W425072		<20	0.04	<10	<10	45	<10	77
W425073		<20	0.05	<10	<10	45	<10	71
W425074		<20	0.04	<10	<10	43	<10	73
W425075		<20	0.05	<10	<10	51	<10	88
W425076		<20	0.05	<10	<10	43	<10	73
W425077		<20	0.04	<10	<10	39	<10	77
W425078		<20	0.05	<10	<10	49	<10	76
W425079		<20	0.04	<10	<10	35	<10	63
W425080		<20	0.04	<10	<10	37	<10	69
W425081		<20	0.04	<10	<10	36	<10	55
W425082		<20	0.02	<10	<10	27	<10	53
W425083		<20	0.04	<10	<10	32	<10	68
W425084		<20	0.04	<10	<10	31	<10	80
W425085		<20	0.02	<10	<10	35	<10	95
W425086		<20	0.01	<10	<10	26	<10	262
W425087		<20	0.04	<10	<10	42	<10	115
W425088		<20	0.03	<10	<10	33	<10	112
W425089		<20	0.04	<10	<10	45	<10	95
W425090		<20	0.05	<10	<10	42	<10	86



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Sample Description	Method Analyte Units LOD	WEI-21	Au-ICP21	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	
		Recvd Wt. kg	Au ppm	Ag ppm	Al %	As ppm	B ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Co ppm	Cr ppm	Cu ppm	Fe %
		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W425091		0.63	0.023	3.0	1.96	35	<10	80	0.8	<2	0.09	1.3	32	35	64	5.75
W425092		0.66	0.005	0.3	1.16	50	<10	40	0.5	<2	0.03	<0.5	15	26	54	4.81
W425093		0.63	0.024	0.9	2.70	1135	<10	280	2.3	<2	0.27	0.7	41	53	96	6.96
W425094		0.60	0.006	0.3	2.36	30	<10	130	1.0	<2	0.16	<0.5	35	46	70	5.84
W425095		0.48	0.011	0.6	1.91	87	<10	80	0.7	<2	0.06	<0.5	14	40	58	5.22
W425096		0.65	0.020	4.6	1.88	94	<10	80	0.7	<2	0.10	<0.5	34	33	68	6.04
W425097		0.57	0.011	4.8	1.85	29	<10	80	0.7	2	0.07	<0.5	27	32	62	5.75
W425098		0.48	0.024	3.6	1.81	56	<10	110	0.9	2	0.05	<0.5	29	27	53	4.61
W425099		0.62	0.074	0.4	1.74	624	<10	140	1.2	4	0.10	<0.5	61	29	112	5.74
W425100		0.62	0.061	0.3	1.56	217	<10	110	0.9	<2	0.09	<0.5	43	28	80	4.87
W425101		0.66	0.068	0.4	1.64	151	<10	110	1.0	3	0.13	<0.5	35	30	73	4.90
W425102		0.55	0.058	0.2	1.82	623	<10	110	0.9	3	0.10	<0.5	25	37	69	4.00
W425103		0.76	0.036	0.9	1.24	67	<10	90	0.7	<2	0.19	<0.5	17	25	56	3.86
W425104		0.56	0.040	0.3	1.97	414	<10	90	0.9	3	0.13	<0.5	25	34	63	4.56
W425105		0.58	0.031	0.8	1.72	116	<10	80	0.8	<2	0.05	<0.5	17	30	57	4.75
W425106		0.06	0.011	0.6	1.63	37	<10	60	0.5	<2	0.10	<0.5	8	30	80	5.37
W425107		0.50	0.028	1.5	1.57	81	<10	80	0.7	<2	0.05	<0.5	23	29	55	5.03
W425108		0.55	0.013	1.2	1.25	116	<10	80	0.8	<2	0.09	1.1	21	22	56	4.36
W425109		0.61	0.049	1.0	1.98	61	<10	100	1.3	3	0.27	<0.5	22	29	55	4.54
W425151		0.43	0.011	0.3	1.65	23	<10	70	<0.5	<2	0.06	<0.5	9	28	26	3.56
W425152		0.48	0.010	0.2	1.34	20	<10	80	<0.5	<2	0.10	<0.5	10	26	33	3.49
W425153		0.44	0.006	0.4	1.12	15	<10	60	<0.5	<2	0.07	<0.5	5	25	27	3.39
W425154		0.36	0.006	0.8	1.77	30	<10	100	0.5	<2	0.07	<0.5	8	29	49	4.48
W425155		0.41	0.004	0.3	1.11	33	<10	80	0.5	<2	0.10	<0.5	16	23	48	4.36
W425156		0.46	0.010	0.2	1.52	23	<10	70	<0.5	<2	0.09	<0.5	11	29	49	4.67
W425157		0.83	0.026	0.3	1.68	22	<10	100	0.5	2	0.06	<0.5	9	29	50	5.49
W425158		0.53	0.004	0.3	1.60	17	<10	60	<0.5	<2	0.07	<0.5	6	30	44	4.57
W425159		0.50	0.015	0.9	2.05	26	<10	100	0.7	<2	0.06	<0.5	13	32	56	5.32
W425160		0.47	0.011	0.3	1.73	58	<10	90	0.5	<2	0.06	<0.5	9	29	44	4.21
W425161		0.66	0.002	0.5	1.66	25	<10	60	0.6	<2	0.05	<0.5	7	34	55	4.98
W425162		0.49	0.024	0.3	0.35	33	<10	20	<0.5	<2	0.03	<0.5	2	12	18	1.78
W425163		0.61	0.025	0.4	1.00	24	<10	50	0.5	<2	0.03	<0.5	9	22	38	3.59
W425164		0.50	0.015	0.2	1.58	71	<10	90	0.6	<2	0.06	<0.5	6	30	38	4.04
W425165		0.51	0.007	0.2	1.80	71	<10	70	0.6	<2	0.04	<0.5	12	35	46	4.92
W425166		0.42	0.006	0.4	1.19	24	<10	60	<0.5	<2	0.05	<0.5	8	24	35	3.77
W425167		0.77	0.007	0.8	1.70	29	<10	50	0.6	<2	0.04	<0.5	14	30	53	5.40
W425168		0.64	0.009	0.3	1.61	33	<10	80	0.7	<2	0.06	<0.5	16	29	51	5.01
W425169		0.48	0.012	0.5	1.65	52	<10	60	0.7	<2	0.05	<0.5	15	29	75	5.55
W425170		0.40	0.011	1.4	1.48	36	<10	60	0.6	<2	0.05	<0.5	11	28	43	4.64
W425171		0.52	0.004	<0.2	1.13	18	<10	50	<0.5	<2	0.06	<0.5	8	28	29	3.70



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Sample Description	Method Analyte Units LOD	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	
		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W425091		10	<1	0.14	20	0.53	1180	4	0.01	38	1270	85	0.10	3	3	15
W425092		<10	<1	0.10	30	0.29	222	5	<0.01	26	620	15	0.05	3	3	7
W425093		10	<1	0.49	70	1.04	1345	3	0.02	72	1640	60	0.10	3	6	39
W425094		10	<1	0.19	30	0.75	850	2	0.02	53	1450	21	0.13	<2	4	27
W425095		10	<1	0.12	20	0.52	427	2	0.01	37	1240	30	0.16	2	2	20
W425096		10	1	0.16	30	0.56	919	2	0.01	51	1200	82	0.11	4	3	23
W425097		10	<1	0.15	30	0.53	731	3	0.01	32	1060	125	0.15	4	3	17
W425098		10	1	0.22	40	0.42	1550	4	0.02	28	1270	118	0.24	2	3	36
W425099		10	<1	0.28	30	0.54	1210	1	0.01	106	810	25	0.09	2	4	22
W425100		<10	<1	0.18	30	0.48	1215	1	0.01	78	880	32	0.08	<2	3	17
W425101		<10	<1	0.19	30	0.49	998	1	0.01	69	1100	24	0.09	<2	3	25
W425102		10	<1	0.25	30	0.53	566	1	<0.01	60	720	14	0.08	2	3	31
W425103		<10	<1	0.16	30	0.43	591	1	<0.01	41	900	17	0.05	2	2	19
W425104		10	1	0.14	30	0.59	667	1	<0.01	61	840	17	0.09	2	2	25
W425105		10	<1	0.11	30	0.55	421	1	<0.01	37	800	28	0.07	2	3	16
W425106		10	<1	0.12	20	0.52	219	2	0.02	22	1240	24	0.14	<2	2	14
W425107		<10	1	0.15	30	0.46	530	3	0.01	34	880	45	0.09	<2	3	15
W425108		<10	<1	0.08	30	0.40	1025	1	<0.01	50	780	114	0.04	<2	2	12
W425109		10	1	0.33	40	0.57	738	1	0.01	50	610	32	0.11	<2	3	34
W425151		10	<1	0.05	10	0.32	381	2	<0.01	18	800	21	0.08	2	1	11
W425152		<10	<1	0.06	20	0.36	296	1	<0.01	23	780	15	0.06	<2	2	12
W425153		<10	<1	0.06	10	0.28	191	1	<0.01	16	680	16	0.06	<2	1	10
W425154		10	<1	0.09	20	0.40	275	2	0.01	21	1000	22	0.11	3	2	14
W425155		<10	<1	0.06	20	0.35	306	1	<0.01	32	710	20	0.05	3	2	15
W425156		10	<1	0.09	20	0.47	277	1	0.01	26	850	19	0.06	<2	3	15
W425157		10	<1	0.21	20	0.50	246	1	0.01	20	870	23	0.09	3	5	17
W425158		10	<1	0.07	20	0.43	268	2	<0.01	19	930	22	0.09	<2	2	11
W425159		10	<1	0.14	20	0.49	412	2	0.01	34	980	22	0.16	2	2	26
W425160		10	<1	0.13	20	0.49	347	2	0.01	22	1090	16	0.17	3	1	15
W425161		10	<1	0.14	30	0.52	197	3	0.01	23	1210	21	0.10	4	2	13
W425162		<10	1	0.03	10	0.03	69	2	<0.01	7	690	10	0.07	<2	1	4
W425163		<10	<1	0.09	20	0.29	203	2	<0.01	21	620	11	0.06	<2	2	6
W425164		10	<1	0.25	20	0.49	237	2	<0.01	17	670	18	0.11	<2	2	10
W425165		10	<1	0.20	30	0.63	311	3	0.01	26	660	18	0.11	<2	2	9
W425166		<10	<1	0.07	10	0.35	166	2	0.01	22	650	21	0.08	2	1	11
W425167		10	<1	0.13	30	0.62	330	2	<0.01	28	610	38	0.06	<2	2	11
W425168		<10	<1	0.12	30	0.54	390	3	0.01	35	710	25	0.07	<2	2	17
W425169		<10	<1	0.07	20	0.52	383	3	0.01	38	980	25	0.08	3	2	14
W425170		<10	<1	0.10	20	0.40	383	3	0.01	27	930	64	0.10	2	1	14
W425171		10	<1	0.05	20	0.28	272	1	<0.01	20	580	18	0.04	<2	1	10



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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W425091		<20	0.04	<10	<10	47	<10	165
W425092		<20	0.03	<10	<10	34	<10	58
W425093		<20	0.10	<10	<10	69	80	261
W425094		<20	0.07	<10	<10	63	<10	103
W425095		<20	0.04	<10	<10	53	<10	79
W425096		<20	0.05	<10	<10	46	<10	142
W425097		<20	0.04	<10	<10	44	<10	115
W425098		<20	0.03	<10	<10	39	<10	155
W425099		<20	0.06	<10	<10	37	10	101
W425100		<20	0.04	<10	<10	36	10	92
W425101		<20	0.05	<10	<10	40	10	91
W425102		<20	0.03	<10	<10	31	<10	60
W425103		<20	0.06	<10	<10	34	<10	81
W425104		<20	0.03	<10	<10	34	<10	76
W425105		<20	0.03	<10	<10	35	<10	85
W425106		<20	0.03	<10	<10	35	<10	78
W425107		<20	0.04	<10	<10	40	<10	92
W425108		<20	0.03	<10	<10	29	<10	215
W425109		20	0.06	<10	<10	30	<10	122
W425151		<20	0.05	<10	<10	59	<10	61
W425152		<20	0.04	<10	<10	45	<10	66
W425153		<20	0.04	<10	<10	47	<10	53
W425154		<20	0.04	<10	<10	44	<10	70
W425155		<20	0.03	<10	<10	30	<10	76
W425156		<20	0.04	<10	<10	43	<10	74
W425157		<20	0.05	<10	<10	57	<10	75
W425158		<20	0.03	<10	<10	44	<10	73
W425159		<20	0.04	<10	<10	44	<10	75
W425160		<20	0.04	<10	<10	44	<10	66
W425161		<20	0.04	<10	<10	45	<10	69
W425162		<20	0.01	<10	<10	23	<10	24
W425163		<20	0.03	<10	<10	30	<10	54
W425164		<20	0.05	<10	<10	37	<10	64
W425165		<20	0.04	<10	<10	38	<10	72
W425166		<20	0.03	<10	<10	33	<10	55
W425167		<20	0.03	<10	<10	33	<10	82
W425168		<20	0.03	<10	<10	33	10	82
W425169		<20	0.02	<10	<10	35	<10	89
W425170		<20	0.03	<10	<10	38	<10	113
W425171		<20	0.06	<10	<10	51	<10	55



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Sample Description	Method	WEI-21	Au-ICP21	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
	Analyte	Recvd Wt.	Au	Ag	Al	As	B	Ba	Be	Bi	Ca	Cd	Co	Cr	Cu	Fe
Units		kg	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	%
LOD		0.02	0.001	0.2	0.01	2	10	10	0.5	2	0.01	0.5	1	1	1	0.01
W425172		0.44	0.005	0.2	0.98	18	<10	50	<0.5	<2	0.06	<0.5	8	22	31	3.26
W425173		0.38	<0.001	0.2	1.12	9	<10	60	<0.5	<2	0.06	<0.5	3	21	21	2.11
W425174		0.58	0.003	0.2	1.09	40	<10	50	<0.5	<2	0.03	<0.5	8	23	32	3.42
W425175		0.54	0.003	<0.2	1.22	18	<10	80	<0.5	<2	0.11	<0.5	10	23	35	3.52
W425176		0.60	0.005	0.3	1.49	22	<10	110	<0.5	<2	0.10	<0.5	9	28	36	3.61
W425177		0.51	0.056	0.6	1.71	64	<10	120	0.6	<2	0.06	<0.5	6	29	43	4.15
W425178		0.55	0.012	0.3	1.56	38	<10	90	0.6	<2	0.09	<0.5	12	28	32	3.60
W425179		0.34	0.006	0.2	1.31	50	<10	60	0.5	<2	0.03	<0.5	7	27	35	3.79
W425180		0.59	0.004	0.2	1.07	49	<10	50	<0.5	<2	0.05	<0.5	8	24	30	3.58
W425181		0.44	0.003	<0.2	1.66	30	<10	90	<0.5	<2	0.07	<0.5	6	29	23	3.09
W425182		0.46	0.001	0.3	1.18	46	<10	60	<0.5	<2	0.05	<0.5	5	25	28	3.32
W425183		0.60	0.010	0.4	1.52	94	<10	90	0.6	<2	0.05	<0.5	15	28	40	4.40
W425184		0.54	0.011	0.4	1.41	61	<10	60	0.6	<2	0.03	<0.5	17	28	41	4.98
W425185		0.47	0.009	9.9	1.74	75	<10	50	0.6	<2	0.04	<0.5	11	30	58	5.23
W425186		0.58	0.012	0.3	1.76	40	<10	80	1.1	<2	0.05	<0.5	26	27	52	4.76
W425187		0.50	0.016	1.9	1.67	43	<10	90	0.8	<2	0.10	<0.5	17	27	43	4.42
W425188		0.48	0.001	0.2	1.44	20	<10	120	<0.5	<2	0.07	<0.5	6	27	26	3.47
W425189		0.40	0.002	0.3	2.08	22	<10	150	0.5	<2	0.10	<0.5	9	34	34	3.89
W425190		0.60	0.004	<0.2	1.38	20	<10	80	<0.5	<2	0.17	<0.5	10	26	29	3.04
W425191		0.53	0.008	0.2	1.62	36	<10	80	0.5	<2	0.07	<0.5	14	28	43	3.97
W425192		0.47	0.003	<0.2	1.98	38	<10	80	0.5	<2	0.08	<0.5	11	32	36	4.39
W425193		0.46	0.004	0.2	1.26	39	<10	90	<0.5	<2	0.07	<0.5	4	26	23	3.03
W425194		0.47	0.019	0.3	1.37	53	<10	80	<0.5	<2	0.09	<0.5	8	24	24	2.96
W425195		0.69	0.008	0.3	1.44	44	<10	120	0.5	<2	0.16	<0.5	12	26	34	3.44
W425196		0.66	0.011	1.0	1.20	105	<10	70	0.6	<2	0.06	<0.5	12	25	37	3.89
W425197		0.70	0.015	4.6	1.67	86	<10	90	0.7	<2	0.10	0.5	21	32	48	4.54
W425198		0.39	0.032	1.1	2.45	498	<10	210	1.0	5	0.24	0.6	20	93	32	4.02
W425199		0.44	0.051	0.9	2.64	711	<10	220	1.2	5	0.37	<0.5	24	90	56	4.63
W425200		0.46	0.023	0.7	2.48	533	10	130	1.0	3	0.13	<0.5	21	63	43	4.27
W425201		0.42	0.009	1.1	2.05	80	<10	150	0.7	<2	0.17	0.5	15	44	41	3.88
W425202		0.36	0.006	0.3	2.26	81	<10	160	0.9	<2	0.21	<0.5	14	58	38	3.89
W425203		0.44	0.011	0.3	2.03	88	<10	150	0.7	<2	0.14	<0.5	13	41	38	3.84
W425204		0.47	0.020	0.8	2.26	181	<10	180	0.8	2	0.20	<0.5	15	55	33	3.47
W425205		0.44	0.022	0.2	2.18	195	<10	160	0.7	2	0.19	<0.5	13	57	32	3.75
W425206		0.46	0.024	0.3	1.88	91	<10	110	0.7	<2	0.07	<0.5	12	33	38	4.11
W425207		0.42	0.011	0.5	1.55	42	<10	90	0.8	<2	0.05	<0.5	15	24	41	4.49
W425208		0.46	0.032	1.8	1.35	89	<10	100	1.0	<2	0.29	1.1	15	22	42	4.03
W425209		0.53	0.017	1.1	1.21	88	<10	100	0.9	<2	0.16	1.3	18	32	46	3.98



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		Ga	Hg	K	La	Mg	Mn	Mo	Na	Ni	P	Pb	S	Sb	Sc	Sr
		ppm	ppm	%	ppm	%	ppm	ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm
		10	1	0.01	10	0.01	5	1	0.01	1	10	2	0.01	2	1	1
W425172		<10	<1	0.05	10	0.28	237	1	<0.01	19	570	15	0.04	<2	1	9
W425173		10	<1	0.03	10	0.13	92	2	<0.01	12	680	10	0.07	<2	1	10
W425174		<10	<1	0.08	20	0.29	272	1	<0.01	17	670	13	0.07	3	1	7
W425175		<10	<1	0.07	20	0.42	304	1	<0.01	23	700	14	0.04	<2	2	14
W425176		<10	<1	0.11	20	0.46	282	1	<0.01	21	660	21	0.04	<2	2	15
W425177		10	<1	0.12	30	0.47	272	2	<0.01	15	840	36	0.10	<2	3	21
W425178		<10	<1	0.09	20	0.50	434	1	<0.01	23	700	16	0.05	<2	2	19
W425179		<10	<1	0.17	20	0.45	196	2	0.01	16	670	14	0.11	3	2	9
W425180		<10	<1	0.10	20	0.37	247	2	<0.01	20	600	15	0.05	<2	2	7
W425181		10	<1	0.06	10	0.38	171	1	<0.01	17	770	14	0.06	<2	1	10
W425182		<10	<1	0.08	20	0.33	156	2	<0.01	15	580	14	0.06	<2	1	8
W425183		<10	<1	0.20	40	0.55	380	2	<0.01	29	590	23	0.07	2	3	11
W425184		<10	<1	0.24	30	0.52	391	3	<0.01	31	530	27	0.07	2	3	8
W425185		10	<1	0.07	30	0.66	240	2	<0.01	25	630	160	0.06	8	2	9
W425186		<10	<1	0.17	40	0.59	606	2	<0.01	49	600	22	0.05	<2	3	18
W425187		10	<1	0.14	20	0.48	779	2	0.01	27	1120	44	0.10	2	2	17
W425188		10	<1	0.05	10	0.33	207	1	0.01	17	600	14	0.05	<2	1	11
W425189		10	<1	0.07	20	0.52	315	1	0.01	24	820	17	0.06	<2	2	14
W425190		<10	<1	0.07	20	0.45	413	1	0.01	23	940	13	0.03	<2	3	14
W425191		<10	<1	0.09	20	0.43	463	1	0.01	24	790	16	0.07	2	2	11
W425192		10	<1	0.06	20	0.41	383	2	0.01	22	730	21	0.06	3	2	12
W425193		10	<1	0.06	20	0.29	217	2	0.01	14	850	17	0.07	<2	1	10
W425194		<10	<1	0.06	20	0.40	286	1	<0.01	19	630	18	0.04	<2	2	12
W425195		<10	<1	0.12	20	0.54	372	1	0.01	24	830	15	0.05	2	3	17
W425196		<10	<1	0.22	30	0.45	327	3	0.01	22	620	19	0.07	<2	2	10
W425197		<10	<1	0.12	30	0.57	673	2	0.01	31	760	100	0.05	3	3	14
W425198		10	<1	0.06	20	0.85	815	1	0.01	24	1060	38	0.09	<2	5	29
W425199		10	<1	0.14	30	0.99	723	2	0.02	31	980	32	0.07	<2	9	38
W425200		10	1	0.08	20	0.74	822	2	0.01	30	1020	29	0.09	<2	4	20
W425201		10	<1	0.11	20	0.64	544	1	0.01	28	920	31	0.09	<2	4	23
W425202		10	<1	0.10	30	0.75	419	2	0.01	28	970	20	0.09	<2	4	28
W425203		10	<1	0.09	20	0.68	379	1	0.01	29	770	17	0.06	<2	3	19
W425204		10	1	0.09	20	0.75	533	1	0.01	28	830	35	0.06	<2	4	23
W425205		10	<1	0.07	20	0.75	491	2	<0.01	27	720	16	0.05	<2	3	22
W425206		10	<1	0.07	30	0.55	451	1	<0.01	27	800	20	0.06	2	2	14
W425207		<10	<1	0.06	30	0.41	428	1	<0.01	35	740	22	0.05	<2	2	11
W425208		<10	<1	0.12	30	0.35	959	1	<0.01	38	750	72	0.07	<2	2	21
W425209		<10	<1	0.10	30	0.33	1280	2	<0.01	49	900	92	0.06	<2	2	15



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Sample Description	Method Analyte Units LOD	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41	ME-ICP41
		Th	Ti	Ti	U	V	W	Zn
		ppm	%	ppm	ppm	ppm	ppm	ppm
		20	0.01	10	10	1	10	2
W425172		<20	0.04	<10	<10	35	<10	59
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W425179		<20	0.04	<10	<10	33	<10	62
W425180		<20	0.04	<10	<10	33	<10	65
W425181		<20	0.04	<10	<10	53	<10	52
W425182		<20	0.04	<10	<10	39	<10	46
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W425184		<20	0.04	<10	<10	32	<10	87
W425185		<20	0.02	<10	<10	29	<10	101
W425186		<20	0.03	<10	<10	30	<10	94
W425187		<20	0.04	<10	<10	49	<10	97
W425188		<20	0.04	<10	<10	51	<10	53
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W425190		<20	0.06	<10	<10	44	<10	74
W425191		<20	0.04	<10	<10	39	<10	77
W425192		<20	0.03	<10	<10	49	<10	66
W425193		<20	0.04	<10	<10	50	<10	49
W425194		<20	0.04	<10	<10	40	<10	64
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W425202		<20	0.05	<10	<10	56	<10	89
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W425208		<20	0.03	<10	<10	24	<10	183
W425209		<20	0.02	<10	<10	25	<10	187



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CERTIFICATE COMMENTS

LABORATORY ADDRESSES

Applies to Method: Processed at ALS Whitehorse located at 78 Mt. Sima Rd, Whitehorse, YT, Canada.
LOG-21 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
Au-ICP21 ME-ICP41