



ALS Canada Ltd.
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 www.alsglobal.com/geochemistry

To: **AURORA GEOSCIENCES LTD.**
3506 MCDONALD DRIVE
YELLOWKNIFE NT X1A 2H1

Page: 1
Total # Pages: 2 (A - D)
Plus Appendix Pages
Finalized Date: 7-DEC-2020
Account: AURGEO

CERTIFICATE WH20224493

Project: UPR-2020

This report is for 22 Sediment samples submitted to our lab in Whitehorse, YT, Canada on 2-OCT-2020.

The following have access to data associated with this certificate:

ANTON GLUKHOV	ACCOUNTS PAYABLE
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SAMPLE PREPARATION	
ALS CODE	DESCRIPTION
WEI-21	Received Sample Weight
LOG-22	Sample login - Rcd w/o BarCode
SCR-41	Screen to -180um and save both

ANALYTICAL PROCEDURES	
ALS CODE	DESCRIPTION
ME-MS61L	Super Trace Lowest DL 4A by ICP-MS

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: 
 Saa Traxler, General Manager, North Vancouver



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CERTIFICATE OF ANALYSIS WH20224493

Sample Description	Method Analyte Units LOD	WEI-21	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
		Recvd Wt. kg	Ag ppm	Al %	As ppm	Ba ppm	Be ppm	Bi ppm	Ca %	Cd ppm	Ce ppm	Co ppm	Cr ppm	Cs ppm	Cu ppm	Fe %
		0.02	0.002	0.01	0.02	1	0.02	0.002	0.01	0.005	0.01	0.005	0.3	0.01	0.02	0.002
Y624015		0.51	0.398	5.87	32.3	510	1.60	0.399	2.40	1.580	69.6	24.4	106.0	4.30	113.0	5.23
W612045		0.53	0.538	5.52	47.8	550	1.81	0.501	1.42	5.55	63.7	28.0	60.2	4.69	183.0	6.51
W612046		0.62	0.837	5.96	40.1	600	1.93	0.410	1.29	6.21	65.7	26.5	61.6	6.69	283	5.97
W612047		0.29	1.310	6.87	58.3	700	2.39	0.496	1.32	8.31	69.0	38.7	79.8	10.10	467	7.20
W612048		1.22	0.480	6.72	56.3	720	2.56	0.573	0.89	3.90	95.7	51.3	76.0	6.57	304	7.67
Y646113		0.19	0.474	5.29	63.4	570	1.80	0.599	2.05	1.580	71.0	23.7	60.0	3.81	142.5	6.46
Y646114		0.19	0.578	5.11	51.0	520	1.90	0.603	4.60	3.34	68.4	37.6	59.6	4.23	187.5	6.22
Y646115		0.43	0.538	5.29	59.2	530	1.92	0.654	3.17	1.890	71.1	33.6	61.6	4.25	180.0	6.57
Y646116		0.28	0.640	6.31	70.1	590	2.32	0.754	1.03	1.465	83.1	39.3	77.5	4.97	220	8.48
Y646117		0.31	0.489	4.23	51.1	383	1.69	0.517	8.16	2.24	64.9	40.3	53.1	3.33	218	6.08
Y646118		2.10	0.526	5.37	47.2	510	1.87	0.580	3.68	4.07	66.7	29.6	65.9	4.37	178.0	6.14
Y646119		1.13	0.752	5.24	48.5	600	1.75	0.448	1.61	16.65	63.7	34.5	62.6	5.28	259	7.83
Y646120		1.52	0.361	5.66	42.8	500	1.79	0.513	2.28	6.67	67.8	31.7	174.0	3.41	142.5	5.78
Y646121		1.44	0.429	5.35	42.1	520	1.77	0.488	2.42	6.80	65.7	29.3	112.5	3.74	172.0	5.64
Y646122		1.36	0.499	5.40	39.4	490	1.78	0.504	2.59	6.63	62.6	29.2	68.0	4.07	194.0	5.89
Y646123	Listed, NR															
Y646124		1.27	0.476	5.83	31.6	470	1.81	0.458	2.19	4.21	65.4	23.7	67.7	3.83	152.5	5.77
Y646125		1.16	0.511	6.77	35.8	610	1.97	0.508	1.16	3.51	70.0	20.7	78.1	4.74	197.0	6.21
Y646126		1.39	0.462	5.77	36.6	530	1.80	0.467	1.71	6.02	69.3	29.5	88.5	3.93	170.5	5.96
Y646127		1.06	0.461	4.65	32.7	447	1.53	0.385	2.18	8.40	54.3	24.6	83.8	3.33	169.0	4.96
Y646128		1.80	0.545	5.51	34.8	510	1.81	0.483	1.87	6.76	62.1	25.4	83.0	4.09	190.0	5.61
Y646129		1.13	0.560	5.03	32.0	460	1.65	0.435	1.95	7.28	57.1	23.0	64.1	3.88	186.0	5.05



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Page: 2 - B
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CERTIFICATE OF ANALYSIS WH20224493

Sample Description	Method Analyte Units LOD	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	
		Ga ppm	Ge ppm	Hf ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm	Ni ppm	P %	Pb ppm
		0.05	0.05	0.004	0.005	0.01	0.005	0.2	0.01	0.2	0.02	0.001	0.005	0.08	0.001	0.01
Y624015		15.00	0.16	2.23	0.105	2.09	35.6	45.1	2.97	1440	8.96	0.647	8.45	89.8	0.118	175.0
W612045		13.85	0.16	1.990	0.178	1.88	34.5	40.7	1.76	1915	10.65	0.489	7.80	121.5	0.140	64.2
W612046		15.05	0.17	2.20	0.158	1.80	40.1	51.8	2.17	1160	9.29	0.488	8.37	117.5	0.156	88.9
W612047		18.80	0.20	2.44	0.193	1.66	39.7	61.1	2.55	1675	12.50	0.301	6.00	194.0	0.192	123.5
W612048		15.90	0.19	2.35	0.161	1.62	47.6	56.9	2.34	2180	14.50	0.642	9.74	183.5	0.135	193.5
Y646113		12.45	0.17	2.12	0.182	2.14	36.6	35.7	1.84	2480	12.75	0.409	8.00	120.5	0.141	52.4
Y646114		11.50	0.16	1.940	0.195	1.92	35.3	39.7	3.54	2840	10.90	0.349	7.54	160.5	0.139	56.1
Y646115		12.50	0.17	2.08	0.194	1.99	37.0	40.5	2.68	2510	11.95	0.373	8.00	143.5	0.148	54.9
Y646116		14.80	0.20	2.36	0.244	2.27	41.4	46.7	1.77	3680	13.55	0.406	8.73	178.0	0.169	66.0
Y646117		10.00	0.15	1.485	0.166	1.31	32.0	40.0	5.81	2600	9.98	0.328	6.16	175.5	0.117	57.1
Y646118		12.35	0.14	2.09	0.176	2.12	35.4	41.6	3.18	1965	11.05	0.376	7.95	133.0	0.147	53.5
Y646119		13.10	0.18	1.820	0.143	1.72	40.9	41.5	1.82	4620	14.50	0.402	6.26	119.5	0.174	81.7
Y646120		13.80	0.15	2.03	0.133	2.62	34.6	43.5	2.60	2760	22.8	0.386	7.88	210	0.135	49.3
Y646121		13.05	0.15	1.900	0.146	2.37	35.0	40.8	2.47	2300	14.75	0.369	7.76	159.5	0.136	52.8
Y646122		13.30	0.15	1.930	0.155	2.12	32.9	41.4	2.53	1915	9.17	0.430	7.66	121.0	0.137	58.4
Y646123																
Y646124		14.50	0.16	2.20	0.149	2.38	33.8	44.1	2.57	1235	7.42	0.498	8.52	102.0	0.122	50.2
Y646125		15.75	0.16	2.36	0.161	2.34	38.2	52.3	2.28	1175	9.70	0.655	9.30	86.3	0.127	67.8
Y646126		14.05	0.16	2.07	0.133	2.29	36.7	43.8	2.18	2320	10.65	0.496	8.00	121.5	0.146	59.7
Y646127		11.15	0.14	1.650	0.122	1.78	29.5	35.4	1.91	2040	10.50	0.388	6.48	113.0	0.153	51.5
Y646128		12.20	0.14	1.940	0.151	2.05	34.4	42.1	2.13	1590	9.23	0.453	7.63	117.0	0.156	58.9
Y646129		12.05	0.15	1.780	0.136	1.85	31.2	38.0	1.94	1435	7.36	0.417	7.06	101.5	0.141	53.1



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Page: 2 - C
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CERTIFICATE OF ANALYSIS WH20224493

Sample Description	Method Analyte Units LOD	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L	
		Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm	Th ppm	Ti %	Tl ppm	U ppm	V ppm
		0.02	0.0004	0.01	0.02	0.01	0.006	0.02	0.02	0.01	0.005	0.004	0.001	0.002	0.01	0.1
Y624015		81.0	0.0016	0.13	4.41	17.40	1.555	1.48	66.6	0.60	0.073	8.69	0.344	0.854	7.13	194.0
W612045		85.1	0.0018	0.13	5.42	16.05	2.26	1.38	69.3	0.54	0.087	8.82	0.319	0.913	12.90	183.5
W612046		86.6	0.0020	0.14	5.40	16.35	3.41	1.48	69.9	0.56	0.079	8.94	0.313	0.811	17.75	189.0
W612047		111.5	0.0041	0.18	7.12	22.8	4.42	1.57	53.9	0.41	0.107	10.40	0.223	1.200	33.1	228
W612048		78.5	0.0011	0.10	6.28	18.20	2.15	1.77	86.4	0.64	0.104	11.85	0.337	0.902	22.1	201
Y646113		82.4	0.0010	0.13	6.45	12.85	1.445	1.32	70.8	0.54	0.101	10.00	0.251	1.095	10.00	174.0
Y646114		77.7	0.0012	0.13	6.48	12.90	1.770	1.20	62.9	0.49	0.081	8.98	0.229	0.889	13.50	142.5
Y646115		83.0	0.0019	0.14	6.56	13.70	1.985	1.20	66.5	0.53	0.089	9.77	0.240	1.040	17.20	151.0
Y646116		92.0	0.0011	0.15	7.87	17.10	1.870	1.48	66.9	0.58	0.098	11.15	0.271	1.325	7.49	183.0
Y646117		53.3	0.0010	0.10	5.51	12.45	1.565	1.06	59.1	0.41	0.065	7.08	0.195	0.831	5.04	114.5
Y646118		83.4	0.0013	0.13	6.47	13.30	1.740	1.35	60.0	0.54	0.080	9.21	0.256	0.853	12.15	152.5
Y646119		77.8	0.0229	0.19	5.34	17.05	5.00	1.15	59.4	0.44	0.074	8.18	0.250	0.920	19.85	165.5
Y646120		88.5	0.0036	0.11	6.23	13.25	1.530	1.42	47.8	0.52	0.071	8.63	0.281	0.788	9.05	168.0
Y646121		87.3	0.0024	0.12	6.07	13.00	1.885	1.38	52.5	0.51	0.070	8.75	0.269	0.794	11.05	161.5
Y646122		83.9	0.0021	0.13	5.36	15.00	2.32	1.29	59.4	0.49	0.068	8.51	0.291	0.791	12.00	165.0
Y646123																
Y646124		89.7	0.0015	0.10	4.89	16.55	1.815	1.41	56.8	0.57	0.079	8.63	0.435	0.732	7.52	195.5
Y646125		99.1	0.0013	0.07	4.38	18.65	1.095	1.63	72.3	0.63	0.078	10.20	0.359	0.852	14.40	201
Y646126		89.7	0.0026	0.11	5.10	15.65	1.975	1.40	57.5	0.54	0.068	8.90	0.324	0.820	11.85	179.5
Y646127		71.8	0.0046	0.16	4.63	12.85	3.17	1.17	52.9	0.43	0.064	7.26	0.251	0.712	24.2	144.5
Y646128		86.3	0.0027	0.14	4.82	14.55	2.81	1.27	62.3	0.51	0.073	8.89	0.285	0.805	11.15	162.0
Y646129		81.2	0.0023	0.15	4.50	14.00	4.08	1.22	58.7	0.47	0.060	7.95	0.260	0.780	14.05	147.0



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Page: 2 - D
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CERTIFICATE OF ANALYSIS WH20224493

Sample Description	Method Analyte Units LOD	ME-MS61L	ME-MS61L	ME-MS61L	ME-MS61L
		W ppm	Y ppm	Zn ppm	Zr ppm
		0.008	0.01	0.2	0.1
Y624015		1.025	24.8	449	74.4
W612045		1.005	33.1	1390	68.3
W612046		1.090	35.9	2200	74.8
W612047		0.929	45.3	2590	83.5
W612048		1.215	44.2	2110	84.8
Y646113		1.155	35.4	489	73.1
Y646114		1.115	36.4	994	67.7
Y646115		1.140	36.2	758	72.2
Y646116		1.240	47.4	580	81.8
Y646117		0.856	30.5	679	56.2
Y646118		1.110	33.8	1120	69.6
Y646119		0.876	42.7	2090	61.5
Y646120		1.360	26.4	1125	68.1
Y646121		1.210	29.8	1235	67.1
Y646122		1.005	32.1	1370	65.8
Y646123					
Y646124		1.055	29.1	1475	72.3
Y646125		1.105	34.3	1175	82.1
Y646126		1.025	30.2	1210	74.2
Y646127		0.860	27.7	1135	55.6
Y646128		1.050	31.4	1400	68.0
Y646129		0.923	29.5	1305	61.2



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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-22 SCR-41 WEI-21

Applies to Method: Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.
ME-MS61L