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To: **HULSTEIN, ROGER**  
**106 WILSON DR.**  
**WHITEHORSE YT Y1A 5R2**

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 Plus Appendix Pages  
 Finalized Date: 5-SEP-2016  
 This copy reported on  
 6-SEP-2016  
 Account: HULROG

**CERTIFICATE WH16131836**

Project: TESLIN MTN

This report is for 16 Soil samples submitted to our lab in Whitehorse, YT, Canada on 10-AUG-2016.

The following have access to data associated with this certificate:

DANIELE HEON	R. HULSTEIN
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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	INSTRUMENT
Au-ST43	Super Trace Au - 25g AR	ICP-MS
ME-MS41L	Super Trace Lowest DL AR by ICP-MS	

To: **HULSTEIN, ROGER**  
**ATTN: R. HULSTEIN**  
**106 WILSON DR.**  
**WHITEHORSE YT Y1A 5R2**

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 WH16131836**

Sample Description	Method Analyte Units LOR	WEI-21 Recvd Wt. kg	ME-MS41L Au ppm	ME-MS41L Ag ppm	ME-MS41L Al %	ME-MS41L As ppm	ME-MS41L B ppm	ME-MS41L Ba ppm	ME-MS41L Be ppm	ME-MS41L Bi ppm	ME-MS41L Ca %	ME-MS41L Cd ppm	ME-MS41L Ce ppm	ME-MS41L Co ppm	ME-MS41L Cr ppm	ME-MS41L Cs ppm
		0.02	0.0002	0.001	0.01	0.01	10	0.5	0.01	0.001	0.01	0.001	0.003	0.001	0.01	0.005
Q009418		0.40	0.0155	2.26	1.21	12.10	<10	300	0.74	0.147	0.16	1.885	71.7	8.96	16.80	4.54
Q009419		0.38	0.0017	0.257	1.38	8.31	<10	195.0	0.63	0.156	0.21	0.467	42.6	9.27	33.2	3.94
Q009420		0.44	<0.0002	0.045	1.00	2.55	<10	157.5	0.96	0.052	0.19	0.223	132.5	7.91	14.70	7.93
Q009421		0.34	0.0214	0.873	0.69	14.40	<10	680	1.09	0.142	0.86	2.68	96.9	15.35	9.75	7.93
Q009422		0.36	0.0053	0.409	1.07	11.40	<10	439	1.39	0.183	1.04	0.485	70.8	21.2	22.9	7.90
Q009423		0.38	0.0312	1.460	0.33	54.2	<10	423	0.89	0.062	1.67	0.768	29.4	17.20	5.31	7.01
Q009424		0.62	0.0155	0.830	0.84	37.2	<10	271	0.50	0.140	0.61	0.885	42.2	14.70	34.1	5.00
Q009425		0.48	0.0037	0.258	1.06	10.00	<10	164.5	0.59	0.172	0.40	0.253	58.6	12.35	27.7	4.72
Q009426		0.36	0.0009	0.215	1.29	20.3	<10	256	0.72	1.720	0.34	0.161	34.3	19.30	39.0	9.11
Q009427		0.40	0.0008	0.048	0.69	7.10	<10	113.5	0.52	0.075	0.30	0.057	57.6	10.80	9.82	3.65
Q009428		0.38	<0.0002	0.021	0.79	2.37	<10	58.8	0.30	0.052	0.10	0.051	21.8	3.83	10.35	6.33
Q009429		0.52	<0.0002	0.010	0.69	2.38	<10	96.6	0.53	0.037	0.15	0.063	52.1	4.48	5.09	7.20
Q009430		0.38	0.0017	0.254	2.57	17.95	<10	167.5	0.63	0.262	0.44	0.214	21.5	15.50	68.3	18.90
Q009431		0.42	<0.0002	0.020	0.34	2.19	<10	31.6	0.21	0.019	0.07	0.044	51.6	4.25	3.99	3.47
Q009432		0.50	0.0011	0.079	1.31	6.15	<10	78.4	0.37	0.125	0.34	0.137	20.1	17.35	39.9	5.49
Q009433		0.42	0.0012	0.057	1.57	14.60	<10	88.9	0.39	0.145	0.31	0.219	26.8	16.60	36.6	5.45



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Project: TESLIN MTN

**CERTIFICATE OF ANALYSIS WH16131836**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Cu ppm	Fe %	Ga ppm	Ge ppm	Hf ppm	Hg ppm	In ppm	K %	La ppm	Li ppm	Mg %	Mn ppm	Mo ppm	Na %	Nb ppm
Q009418		22.6	2.38	2.73	0.073	0.010	0.037	0.051	0.06	39.3	4.8	0.20	994	1.08	0.009	0.264
Q009419		18.30	2.50	4.39	0.064	0.013	0.022	0.024	0.06	22.1	7.1	0.51	507	0.85	0.015	0.766
Q009420		7.10	2.81	4.31	0.105	0.022	0.013	0.034	0.06	57.4	4.3	0.24	419	1.17	0.013	0.289
Q009421		56.1	3.65	2.53	0.127	0.051	0.027	0.029	0.12	55.4	4.2	0.24	2190	4.90	0.009	0.296
Q009422		28.1	5.33	3.77	0.133	0.042	0.032	0.039	0.11	36.4	7.2	0.48	1835	1.73	0.012	0.254
Q009423		23.2	3.49	1.285	0.071	0.052	0.027	0.020	0.09	14.65	1.4	0.40	1915	1.95	0.007	0.017
Q009424		27.6	3.61	3.37	0.091	0.016	0.026	0.020	0.07	23.1	6.2	0.49	1045	1.47	0.018	0.587
Q009425		23.1	3.02	3.71	0.091	0.039	0.018	0.022	0.09	32.2	6.1	0.44	616	1.33	0.013	0.439
Q009426		35.6	5.01	4.62	0.089	0.016	0.032	0.046	0.05	16.45	6.8	0.42	586	1.49	0.011	0.427
Q009427		16.80	2.83	2.07	0.081	0.010	0.082	0.031	0.08	28.3	1.5	0.12	793	0.40	0.005	0.113
Q009428		7.39	1.180	2.39	0.028	0.003	0.008	0.008	0.04	12.15	3.6	0.20	196.5	0.14	0.008	0.146
Q009429		3.62	1.340	1.590	0.040	0.005	0.009	0.005	0.07	28.4	1.6	0.13	387	0.17	0.007	0.065
Q009430		48.0	4.75	8.33	0.083	0.008	0.038	0.044	0.12	11.05	15.0	0.75	633	0.81	0.019	0.340
Q009431		4.43	0.720	1.065	0.037	0.073	<0.004	<0.005	0.04	31.7	1.1	0.07	170.0	0.16	0.008	0.027
Q009432		39.0	3.83	4.78	0.070	0.004	0.011	0.040	0.05	9.31	6.0	0.47	575	0.42	0.019	0.183
Q009433		30.6	2.63	5.00	0.055	0.011	0.014	0.019	0.06	12.55	8.1	0.57	481	0.51	0.021	0.552



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**CERTIFICATE OF ANALYSIS WH16131836**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	
		Ni ppm	P %	Pb ppm	Pd ppm	Pt ppm	Rb ppm	Re ppm	S %	Sb ppm	Sc ppm	Se ppm	Sn ppm	Sr ppm	Ta ppm	Te ppm
Q009418		11.45	0.050	270	<0.001	<0.002	9.03	<0.001	0.02	4.11	2.70	0.4	0.24	13.70	<0.005	0.14
Q009419		21.4	0.053	44.6	0.001	<0.002	7.85	<0.001	0.02	0.720	3.70	0.4	0.36	11.85	<0.005	0.10
Q009420		9.31	0.066	13.20	<0.001	<0.002	6.48	<0.001	0.01	0.260	4.82	0.3	0.55	9.20	<0.005	0.01
Q009421		14.50	0.081	308	<0.001	<0.002	11.00	<0.001	0.06	7.06	5.42	0.6	0.25	14.95	<0.005	0.07
Q009422		24.5	0.102	37.2	0.003	<0.002	13.05	<0.001	0.01	1.520	11.90	0.5	0.44	18.00	<0.005	0.08
Q009423		16.85	0.060	57.8	0.003	<0.002	7.81	<0.001	0.29	2.12	5.50	0.4	0.10	27.3	<0.005	0.06
Q009424		21.7	0.091	45.4	<0.001	<0.002	7.95	<0.001	0.16	1.815	5.48	1.0	0.38	25.7	<0.005	0.06
Q009425		18.50	0.091	22.2	<0.001	<0.002	9.37	<0.001	0.01	0.812	6.70	0.4	0.36	14.40	<0.005	0.04
Q009426		27.7	0.084	8.04	<0.001	<0.002	8.88	<0.001	0.04	1.720	9.69	0.6	0.44	13.80	<0.005	0.19
Q009427		11.55	0.043	4.21	0.001	<0.002	5.82	<0.001	0.01	0.701	5.70	0.3	0.60	18.85	<0.005	<0.01
Q009428		6.53	0.022	2.97	<0.001	<0.002	8.63	<0.001	0.01	0.484	1.890	0.2	0.14	7.51	<0.005	0.02
Q009429		4.34	0.030	9.24	<0.001	<0.002	7.88	<0.001	0.02	0.195	1.555	0.2	0.09	14.95	<0.005	0.01
Q009430		31.8	0.121	6.79	0.001	<0.002	14.25	<0.001	0.07	1.105	9.22	0.8	0.51	41.6	<0.005	0.06
Q009431		3.68	0.011	2.39	<0.001	<0.002	2.51	<0.001	0.01	0.291	1.335	0.2	0.07	7.51	<0.005	0.01
Q009432		26.8	0.076	3.35	<0.001	<0.002	4.15	<0.001	0.01	1.100	10.85	0.4	0.37	20.1	<0.005	0.02
Q009433		24.7	0.081	9.64	<0.001	<0.002	6.09	<0.001	0.02	0.973	4.54	0.5	0.38	13.25	<0.005	0.03



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**CERTIFICATE OF ANALYSIS WH16131836**

Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	Au-ST43
		Th ppm	Ti %	Ti ppm	U ppm	V ppm	W ppm	Y ppm	Zn ppm	Zr ppm	Au ppm
		0.002	0.001	0.002	0.005	0.1	0.001	0.003	0.1	0.01	0.0001
Q009418		11.10	0.007	0.183	3.71	32.2	0.508	10.10	251	0.35	0.0366
Q009419		5.44	0.052	0.092	2.96	54.8	0.338	10.95	73.0	0.55	0.0047
Q009420		30.7	0.005	0.081	3.06	38.3	0.270	22.7	28.6	1.17	0.0002
Q009421		22.2	0.004	0.134	8.35	35.7	0.503	35.6	265	2.53	0.0348
Q009422		21.5	0.022	0.161	5.12	69.5	0.655	30.6	139.0	2.67	0.0067
Q009423		10.40	0.001	0.194	5.67	26.0	0.322	17.90	124.5	3.20	0.0402
Q009424		6.88	0.048	0.114	19.50	79.0	0.347	18.80	96.7	0.64	0.0417
Q009425		14.05	0.045	0.119	2.96	67.9	0.374	21.6	55.7	2.13	0.0085
Q009426		2.06	0.023	0.140	2.62	118.5	0.739	21.1	54.9	0.55	0.0017
Q009427		3.32	0.004	0.161	2.07	37.6	0.286	14.00	33.2	0.85	0.0011
Q009428		0.964	0.012	0.036	0.774	19.7	0.110	3.85	20.5	0.18	0.0005
Q009429		3.63	0.004	0.187	0.987	15.1	0.069	4.61	13.7	0.21	0.0001
Q009430		0.470	0.045	0.175	1.920	116.0	0.278	18.95	87.3	0.22	0.0030
Q009431		7.83	0.007	0.054	0.829	12.1	0.044	4.86	9.5	3.39	0.0003
Q009432		0.945	0.043	0.060	1.750	101.0	0.105	17.20	50.6	0.21	0.0017
Q009433		1.085	0.082	0.101	0.994	63.7	0.621	8.31	44.6	0.41	0.0037



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<b>CERTIFICATE OF ANALYSIS WH16131836</b>
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<b>CERTIFICATE COMMENTS</b>									
Applies to Method:	<p style="text-align: center;"><b>ANALYTICAL COMMENTS</b></p> <p>Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).            ME-MS41L</p>								
Applies to Method:	<p style="text-align: center;"><b>LABORATORY ADDRESSES</b></p> <p>Processed at ALS Vancouver located at 2103 Dollarton Hwy, North Vancouver, BC, Canada.</p> <table style="width: 100%; border: none;"> <tr> <td style="width: 33%;">Au-ST43</td> <td style="width: 33%;">LOG-22</td> <td style="width: 33%;">ME-MS41L</td> <td style="width: 15%;"></td> </tr> <tr> <td>WEI-21</td> <td></td> <td></td> <td>SCR-41</td> </tr> </table>	Au-ST43	LOG-22	ME-MS41L		WEI-21			SCR-41
Au-ST43	LOG-22	ME-MS41L							
WEI-21			SCR-41						