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To: COUREUR DES BOIS
3 RYDER PLACE
WHITEHORSE YT Y1A 5T5

Page: 1
Finalized Date: 24-OCT-2012
This copy reported on
31-JUL-2013
Account: COUDES

CERTIFICATE WH12240937

Project:
P.O. No.:
This report is for 18 Soil samples submitted to our lab in Whitehorse, YT, Canada on 4-OCT-2012.

The following have access to data associated with this certificate:

DANIELE HEON

D. JACOB

R. STROSHEIN

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-MS41L	51 anal. aqua regia ICPMS

To: COUREUR DES BOIS
ATTN: DANIELE HEON
3 RYDER PLACE
WHITEHORSE YT Y1A 5T5

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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Page: 2 - A
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2012
 Account: COUDES

CERTIFICATE OF ANALYSIS WH12240937

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
AB-22A		0.70	0.0037	0.038	1.91	7.18	<10	100.5	1.13	0.99	0.20	0.28	28.4	7.7	24.7	5.27
AB-22B		0.70	0.0010	0.031	1.11	15.35	<10	53.3	1.29	1.48	0.24	0.20	20.0	2.9	8.8	7.34
AB-22C		0.66	0.0013	0.049	1.30	5.14	<10	101.0	1.00	0.73	0.31	0.23	27.3	6.9	21.1	2.88
AB-22D		0.71	0.0020	0.073	2.12	11.85	<10	100.5	1.99	1.13	0.22	0.28	24.5	7.8	28.8	4.11
AB-22E		0.64	0.0012	0.051	1.58	4.98	<10	64.6	0.96	1.13	0.18	0.21	19.95	5.6	19.2	3.83
AB-22F		0.49	0.0010	0.027	0.86	3.25	<10	52.2	0.39	0.46	0.14	0.08	14.50	3.3	9.3	1.92
AB-22G		0.71	0.0018	0.050	1.35	5.61	<10	93.8	1.54	1.03	0.20	0.17	18.35	4.5	18.8	3.28
AB-23A		0.70	0.0011	0.039	1.50	6.01	<10	84.5	1.17	0.79	0.20	0.24	24.0	7.9	18.9	4.42
AB-23B		0.82	0.0017	0.021	1.00	2.52	<10	83.7	1.52	1.26	0.30	0.18	17.45	1.6	5.7	9.04
AB-23C		0.69	0.0011	0.052	1.71	7.95	<10	49.1	0.69	1.06	0.11	0.24	19.75	4.6	20.4	4.85
AB-23D		0.63	0.0016	0.050	2.16	8.47	<10	131.0	2.16	1.21	0.13	0.26	30.4	10.0	34.0	5.71
AB-23E		0.55	0.0017	0.019	0.99	3.22	<10	49.5	0.72	1.51	0.17	0.25	19.60	3.4	12.2	5.52
AB-23G		0.81	0.0015	0.033	1.14	2.86	<10	92.2	1.79	3.30	0.24	0.12	22.6	2.3	8.3	11.85
AC-32-E		0.63	0.0010	0.034	0.95	1.37	<10	63.5	1.10	1.61	0.15	0.10	29.2	2.5	12.9	3.64
AB-BE		0.73	0.0022	0.027	1.43	4.09	<10	52.6	0.80	0.87	0.22	0.30	21.5	6.1	19.7	2.95
AB-J44		0.48	0.0094	0.075	1.95	7.90	<10	122.0	0.90	0.86	0.18	0.19	25.8	8.2	30.3	2.35
AB-44K		0.35	0.0008	0.049	1.72	6.69	<10	83.8	0.52	0.71	0.15	0.14	22.1	5.6	25.2	1.84
AB-M44		0.45	0.0025	0.075	2.18	6.91	<10	156.5	1.11	0.78	0.22	0.20	30.9	9.9	31.4	2.91



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Page: 2 - B
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2012
 Account: COUDES

CERTIFICATE OF ANALYSIS WH12240937

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
		Cu	Fe	Ga	Ge	Hf	Hg	In	K	La	Li	Mg	Mn	Mo	Na
		ppm	%	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	%	ppm	ppm	%
		0.01	0.01	0.05	0.05	0.02	0.005	0.005	0.01	0.2	0.1	0.01	1	0.01	0.01
AB-22A		11.45	2.40	5.55	<0.05	0.05	0.022	0.021	0.07	13.9	32.9	0.36	520	0.63	0.01
AB-22B		5.10	1.56	2.99	<0.05	0.02	0.028	0.014	0.09	9.4	17.1	0.15	400	0.29	<0.01
AB-22C		11.65	1.89	4.00	0.05	0.03	0.045	0.016	0.06	13.5	19.1	0.39	348	0.37	0.01
AB-22D		13.30	3.08	5.86	0.05	0.07	0.041	0.025	0.08	12.0	26.2	0.45	332	0.72	0.01
AB-22E		9.40	1.92	4.63	<0.05	0.04	0.030	0.018	0.05	9.7	26.9	0.30	366	0.46	<0.01
AB-22F		15.30	1.48	4.00	<0.05	<0.02	0.017	0.011	0.03	6.5	6.9	0.15	119	0.51	0.01
AB-22G		10.85	1.97	4.95	<0.05	<0.02	0.027	0.013	0.05	8.4	20.5	0.31	301	0.52	0.01
AB-23A		11.45	1.90	4.57	<0.05	0.02	0.042	0.021	0.05	11.2	23.9	0.27	580	0.64	0.01
AB-23B		4.19	1.08	2.68	<0.05	0.04	<0.005	0.016	0.08	7.6	14.2	0.14	297	0.16	0.01
AB-23C		8.95	2.33	6.02	<0.05	0.02	0.030	0.020	0.06	9.9	20.0	0.30	259	0.73	<0.01
AB-23D		15.05	3.03	7.38	<0.05	<0.02	0.046	0.031	0.07	13.2	30.0	0.44	1000	0.96	0.01
AB-23E		5.56	1.56	4.16	<0.05	<0.02	0.019	0.013	0.05	8.5	20.9	0.19	327	0.44	0.01
AB-23G		5.43	1.75	5.49	<0.05	<0.02	<0.005	0.012	0.10	9.5	50.5	0.20	414	0.28	0.01
AC-32-E		13.05	0.89	3.05	0.05	0.04	0.015	0.012	0.04	14.8	15.4	0.15	92	0.35	<0.01
AB-BE		10.65	1.82	3.81	0.06	0.07	0.022	0.016	0.05	10.5	21.8	0.30	393	0.50	0.01
AB-J44		18.35	2.54	5.75	<0.05	0.05	0.019	0.023	0.06	12.3	16.9	0.46	299	0.72	0.01
AB-44K		13.45	2.33	6.39	<0.05	0.02	0.043	0.022	0.04	11.2	11.8	0.32	196	0.89	0.01
AB-M44		26.9	2.52	5.53	0.05	0.12	0.039	0.023	0.05	14.7	17.5	0.46	350	0.58	0.01



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Page: 2 - C
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
 Finalized Date: 24-OCT-2012
 Account: COUDES

CERTIFICATE OF ANALYSIS WH12240937

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	P	Pb	Rb	Re	S	Sb	Sc	Se	Sn	Sr	Ta	Te	Th
		ppm	%	ppm	ppm	ppm	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm
		0.1	0.001	0.01	0.1	0.001	0.01	0.005	0.1	0.1	0.2	0.2	0.01	0.01	0.1
AB-22A		16.0	0.067	17.80	18.6	<0.001	0.02	0.329	2.7	0.7	1.6	11.8	<0.01	0.03	4.7
AB-22B		5.1	0.091	41.5	22.0	<0.001	0.02	0.304	0.9	0.7	0.8	11.2	<0.01	0.01	2.9
AB-22C		13.5	0.069	13.35	13.4	<0.001	0.02	0.264	2.9	0.6	1.0	21.0	<0.01	0.02	2.5
AB-22D		16.0	0.081	18.30	19.8	<0.001	0.02	0.409	3.8	0.8	1.2	14.5	<0.01	0.03	3.2
AB-22E		11.8	0.063	14.80	15.4	<0.001	0.02	0.255	2.1	0.7	1.4	11.2	0.01	0.02	2.7
AB-22F		4.8	0.045	7.15	6.8	<0.001	0.02	0.196	1.0	0.5	0.8	12.1	<0.01	0.03	0.3
AB-22G		9.9	0.059	12.10	12.5	<0.001	0.03	0.249	1.8	0.6	1.2	15.5	<0.01	0.01	1.0
AB-23A		12.3	0.069	15.45	14.4	<0.001	0.02	0.283	1.9	0.7	1.2	12.5	0.01	0.02	2.5
AB-23B		4.5	0.074	18.85	20.3	0.001	0.01	0.120	1.0	0.3	0.9	17.9	<0.01	0.01	3.4
AB-23C		10.4	0.031	19.85	16.0	<0.001	0.02	0.318	2.2	0.5	1.1	8.6	<0.01	0.02	2.9
AB-23D		16.0	0.049	20.8	20.5	0.001	0.03	0.362	4.3	0.7	1.4	14.5	<0.01	0.04	1.6
AB-23E		7.1	0.063	14.15	14.0	<0.001	0.02	0.177	1.0	0.5	1.3	8.8	<0.01	0.01	1.5
AB-23G		5.1	0.082	14.30	37.0	0.001	0.02	0.142	1.1	0.5	4.0	11.9	<0.01	0.02	2.2
AC-32-E		8.8	0.047	12.55	10.0	<0.001	0.01	0.167	1.4	0.3	1.0	7.5	<0.01	<0.01	6.7
AB-BE		12.1	0.078	9.51	11.6	<0.001	0.02	0.273	2.1	0.7	1.1	12.0	0.01	0.02	3.2
AB-J44		19.9	0.052	17.80	11.9	<0.001	0.02	0.456	3.8	0.6	0.8	13.8	<0.01	0.02	2.1
AB-44K		13.4	0.040	14.55	8.1	<0.001	0.02	0.403	2.6	0.3	0.9	12.8	<0.01	0.03	1.1
AB-M44		22.1	0.044	16.55	11.5	<0.001	0.02	0.456	5.2	0.7	0.8	17.6	<0.01	0.03	4.0



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Page: 2 - D
 Total # Pages: 2 (A - D)
 Plus Appendix Pages
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 Account: COUDES

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Sample Description	Method Analyte Units LOR	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L	ME-MS41L
		Ti	U	V	W	Y	Zn	Zr
		ppm 0.02	ppm 0.05	ppm 1	ppm 0.01	ppm 0.05	ppm 0.1	ppm 0.5
AB-22A		0.16	3.61	48	0.18	7.19	73.1	1.8
AB-22B		0.15	3.80	17	0.09	9.88	98.5	0.6
AB-22C		0.11	6.42	40	0.19	8.98	61.5	1.1
AB-22D		0.15	7.94	60	0.16	8.11	71.8	2.5
AB-22E		0.14	2.68	37	0.12	5.88	57.7	1.3
AB-22F		0.08	1.90	35	0.09	3.13	34.9	<0.5
AB-22G		0.13	5.76	42	0.14	6.96	56.5	0.5
AB-23A		0.16	5.42	40	0.13	7.15	58.1	0.8
AB-23B		0.15	2.80	9	0.06	9.81	75.1	0.8
AB-23C		0.14	1.89	51	0.14	3.57	56.8	0.9
AB-23D		0.22	13.00	65	0.18	7.81	75.3	0.8
AB-23E		0.13	2.06	26	0.10	6.64	60.8	<0.5
AB-23G		0.25	5.69	14	0.14	10.75	83.6	<0.5
AC-32-E		0.14	3.66	20	0.09	7.12	40.2	1.9
AB-BE		0.11	2.96	35	0.11	6.59	57.1	2.4
AB-J44		0.12	3.07	58	0.16	6.58	61.9	1.8
AB-44K		0.14	1.38	64	0.20	3.61	39.1	0.8
AB-M44		0.13	4.59	57	0.16	9.19	60.6	6.1



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Page: Appendix 1
Total # Appendix Pages: 1
Finalized Date: 24-OCT-2012
Account: COUDES

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CERTIFICATE COMMENTS

ANALYTICAL COMMENTS

Applies to Method:

Gold determinations by this method are semi-quantitative due to the small sample weight used (0.5g).
ME-MS41L