Acme Analytical Laboratories (Vancouver) Ltd.
1020 Cordova St. East Vancouver BC V6A 4A3 Canada

www.acmelab.com

Client: **Kinross Gold Corporation**
885 West Georgia St., Suite 1380
Vancouver BC V6C 3E8 Canada

Submitted By: Jean-Pierre Londero
Receiving Lab: Canada-Whitehorse
Received: June 29, 2011
Report Date: July 24, 2011

CERTIFICATE OF ANALYSIS WHI11000390.1

CLIENT JOB INFORMATION

Project: JPR
Shipment ID:
P.O. Number
Number of Samples: 87

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
STOR-RJT-SOIL Store Soil Reject - RJSV Charges Apply

Acme does not accept responsibility for samples left at the laboratory after 90 days without prior written instructions for sample storage or return.

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	87	Dry at 60C			VAN
SS80	87	Dry at 60C sieve 100g to -80 mesh			VAN
1DX2	87	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN
RJSV	87	Saving all or part of Soil Reject			VAN

ADDITIONAL COMMENTS

Invoice To: Selene Holdings LP
885 W. Georgia Street, Suite 1380
Vancouver BC V6C 3E8
Canada

CC:

BRITISH COLUMBIA CERTIFIED ASSAYER
CLARENCE LEONG
GENERAL MANAGER

This report supersedes all previous preliminary and final reports with this file number dated prior to the date on this certificate. Signature indicates final approval; preliminary reports are unsigned and should be used for reference only.
All results are considered the confidential property of the client. Acme assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.
"*" asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1034876	Soil	0.6	9.6	7.4	93	<0.1	11.5	12.5	655	3.60	3.9	0.5	<0.5	13.3	23	<0.1	0.3	<0.1	67	0.34	0.089
1034882	Soil	0.6	11.0	7.3	85	<0.1	12.2	12.9	619	3.73	5.7	0.8	<0.5	14.6	20	<0.1	0.3	<0.1	69	0.23	0.043
1034750	Soil	0.4	79.6	5.4	78	<0.1	14.3	17.0	685	4.55	4.1	1.0	<0.5	13.4	41	<0.1	0.2	<0.1	94	0.25	0.026
1034877	Soil	0.7	11.0	6.4	60	<0.1	11.0	10.3	566	2.84	5.3	0.9	1.5	15.4	17	<0.1	0.3	<0.1	46	0.27	0.056
1034878	Soil	0.4	9.2	3.9	89	<0.1	7.7	14.0	845	4.19	3.4	0.6	0.7	17.2	20	<0.1	0.2	<0.1	68	0.25	0.051
1034595	Soil	0.8	16.2	5.0	92	<0.1	11.3	13.8	838	4.08	3.0	0.7	<0.5	16.6	22	<0.1	0.2	<0.1	59	0.32	0.052
1034881	Soil	0.5	10.9	5.6	104	<0.1	8.1	13.4	676	4.10	3.0	0.6	<0.5	17.3	22	<0.1	0.2	<0.1	65	0.24	0.043
1034646	Soil	0.4	10.5	3.1	114	<0.1	10.3	15.9	1034	4.50	2.5	0.9	<0.5	12.1	19	<0.1	0.2	<0.1	75	0.41	0.087
1034589	Soil	0.8	30.3	7.5	61	<0.1	24.9	13.1	389	3.15	8.6	0.7	3.0	9.2	29	<0.1	0.5	0.1	68	0.39	0.021
1034749	Soil	0.7	13.9	6.7	84	<0.1	14.9	13.7	660	3.72	6.8	0.5	<0.5	14.3	20	<0.1	0.4	0.1	71	0.25	0.050
1034880	Soil	0.4	19.7	4.9	87	<0.1	8.2	13.8	860	4.67	2.8	1.1	<0.5	23.0	18	<0.1	0.3	<0.1	83	0.22	0.035
1034594	Soil	0.7	10.9	6.9	74	<0.1	13.2	11.5	630	3.47	5.9	0.7	<0.5	13.5	22	<0.1	0.3	<0.1	62	0.34	0.053
1034590	Soil	0.4	23.4	5.6	104	<0.1	11.1	13.9	927	4.24	3.7	1.1	<0.5	19.5	14	<0.1	0.3	<0.1	79	0.22	0.053
1034592	Soil	1.1	25.1	10.7	87	<0.1	12.5	11.5	676	3.85	4.6	1.4	3.3	25.3	24	<0.1	0.4	<0.1	61	0.33	0.033
1034591	Soil	1.0	14.3	23.4	63	<0.1	18.4	10.6	515	2.97	7.3	0.6	<0.5	5.6	15	0.1	0.5	0.2	67	0.14	0.041
1193607	Soil	0.4	21.3	5.2	91	<0.1	15.6	14.5	779	4.21	5.8	0.9	<0.5	9.7	19	<0.1	0.3	<0.1	82	0.27	0.053
1034747	Soil	0.9	16.7	8.8	68	<0.1	20.6	11.3	467	3.35	8.6	0.8	0.8	10.7	18	0.1	0.5	0.1	64	0.18	0.030
1034745	Soil	0.4	11.7	3.9	96	<0.1	9.6	15.6	865	4.57	3.6	1.1	1.6	22.7	33	<0.1	0.3	<0.1	66	0.44	0.061
1034748	Soil	0.6	11.6	5.3	94	<0.1	12.2	14.8	787	4.37	5.1	0.9	<0.5	21.3	23	<0.1	0.2	<0.1	73	0.29	0.051
1034598	Soil	1.3	34.6	22.6	74	<0.1	20.7	10.5	488	3.34	7.7	0.9	1.6	15.3	25	<0.1	0.5	0.2	63	0.30	0.018
1034879	Soil	0.8	25.0	4.3	60	<0.1	12.1	10.6	558	3.50	2.6	1.8	5.4	25.7	16	<0.1	0.3	<0.1	51	0.19	0.033
1034768	Soil	0.5	9.9	5.2	104	<0.1	11.3	16.0	958	4.55	4.2	0.8	<0.5	23.7	24	<0.1	0.2	<0.1	85	0.29	0.048
1034771	Soil	0.3	12.4	4.6	81	<0.1	4.9	12.5	662	3.57	1.3	0.7	0.8	18.9	22	<0.1	0.1	<0.1	66	0.30	0.042
1034772	Soil	0.3	14.0	4.1	111	<0.1	8.2	16.2	892	4.53	3.2	0.9	1.2	20.3	23	<0.1	<0.1	<0.1	81	0.33	0.063
1034597	Soil	0.9	24.3	15.1	94	<0.1	12.2	12.5	641	4.06	5.2	0.9	<0.5	20.7	19	<0.1	0.5	0.1	61	0.20	0.020
1034884	Soil	0.6	8.5	13.6	95	<0.1	11.5	13.3	624	3.96	4.5	0.4	<0.5	10.0	19	<0.1	0.2	0.1	74	0.20	0.031
1034875	Soil	0.7	15.6	7.4	96	<0.1	11.2	15.6	742	4.42	5.5	0.6	<0.5	21.3	21	<0.1	0.2	<0.1	80	0.34	0.076
1034744	Soil	0.3	11.4	4.1	90	<0.1	10.3	15.0	791	4.27	3.5	1.1	0.9	21.9	32	<0.1	0.3	<0.1	64	0.44	0.058
1034746	Soil	0.5	9.8	3.9	101	<0.1	10.0	16.6	862	4.57	3.4	1.0	<0.5	25.6	22	<0.1	0.2	<0.1	72	0.29	0.052
1034883	Soil	0.5	10.8	4.4	92	<0.1	9.8	12.2	810	3.97	3.1	1.0	<0.5	12.8	16	<0.1	0.1	<0.1	80	0.22	0.035

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1034876	Soil	30	18	0.98	208	0.154	<1	2.24	0.009	0.89	0.1	<0.01	1.6	0.4	<0.05	7	<0.5	<0.2
1034882	Soil	20	20	1.00	183	0.189	<1	2.33	0.009	0.99	<0.1	0.01	2.7	0.4	<0.05	7	<0.5	<0.2
1034750	Soil	30	16	1.47	201	0.226	<1	2.93	0.011	0.90	<0.1	0.01	5.0	0.4	<0.05	9	<0.5	<0.2
1034877	Soil	29	17	0.72	144	0.093	<1	1.64	0.009	0.58	0.1	<0.01	2.5	0.3	<0.05	5	<0.5	<0.2
1034878	Soil	25	13	1.18	198	0.217	<1	2.61	0.008	1.50	<0.1	<0.01	1.9	0.6	<0.05	8	<0.5	<0.2
1034595	Soil	30	15	1.12	194	0.165	<1	2.38	0.010	0.99	<0.1	0.02	2.4	0.5	<0.05	7	<0.5	<0.2
1034881	Soil	26	13	1.17	154	0.193	<1	2.56	0.012	1.12	<0.1	0.02	1.4	0.4	<0.05	8	<0.5	<0.2
1034646	Soil	21	11	1.44	206	0.266	<1	2.57	0.015	1.51	<0.1	<0.01	2.0	0.6	<0.05	8	<0.5	<0.2
1034589	Soil	24	36	0.70	248	0.117	<1	1.99	0.015	0.19	0.2	0.04	5.4	0.1	<0.05	5	<0.5	<0.2
1034749	Soil	13	25	0.97	188	0.179	<1	2.34	0.010	0.94	0.1	0.01	2.8	0.4	<0.05	6	<0.5	<0.2
1034880	Soil	48	11	1.24	170	0.195	<1	2.74	0.010	1.39	<0.1	0.04	6.4	0.5	<0.05	9	<0.5	<0.2
1034594	Soil	20	22	0.80	158	0.139	<1	2.08	0.011	0.82	0.1	<0.01	3.0	0.3	<0.05	6	<0.5	<0.2
1034590	Soil	30	15	1.29	161	0.233	<1	2.55	0.009	1.42	0.2	<0.01	4.0	0.5	<0.05	9	<0.5	<0.2
1034592	Soil	57	16	0.96	202	0.156	<1	2.31	0.013	0.70	0.2	0.07	4.3	0.4	<0.05	7	0.7	<0.2
1034591	Soil	10	30	0.51	237	0.065	<1	1.87	0.009	0.13	0.1	0.02	2.9	0.1	<0.05	6	<0.5	<0.2
1193607	Soil	12	19	1.28	217	0.227	<1	2.59	0.010	1.23	0.1	<0.01	4.3	0.3	<0.05	8	<0.5	<0.2
1034747	Soil	14	29	0.72	171	0.143	<1	2.03	0.009	0.48	0.2	0.02	3.6	0.3	<0.05	6	0.6	<0.2
1034745	Soil	54	12	1.19	157	0.092	<1	2.71	0.009	0.91	0.1	0.04	3.4	0.3	<0.05	8	<0.5	<0.2
1034748	Soil	20	18	1.19	233	0.196	<1	2.54	0.010	0.98	0.1	0.01	2.9	0.4	<0.05	8	<0.5	<0.2
1034598	Soil	35	28	0.74	238	0.119	<1	1.94	0.016	0.21	0.3	0.05	4.9	0.2	<0.05	6	<0.5	<0.2
1034879	Soil	54	12	0.86	182	0.064	<1	1.95	0.011	0.42	0.1	0.03	5.4	0.2	<0.05	7	<0.5	<0.2
1034768	Soil	34	15	1.38	235	0.273	<1	2.97	0.009	1.28	<0.1	0.02	2.1	0.6	<0.05	8	<0.5	<0.2
1034771	Soil	48	6	1.14	99	0.231	<1	2.44	0.010	1.13	<0.1	0.02	1.9	0.5	<0.05	7	<0.5	<0.2
1034772	Soil	30	12	1.45	203	0.299	<1	2.85	0.011	1.61	<0.1	<0.01	1.9	0.5	<0.05	8	<0.5	<0.2
1034597	Soil	12	20	0.92	249	0.205	<1	2.74	0.009	0.82	0.2	0.02	3.3	0.5	<0.05	8	<0.5	<0.2
1034884	Soil	10	19	1.03	150	0.204	<1	2.56	0.009	0.89	0.1	<0.01	1.8	0.4	<0.05	7	<0.5	<0.2
1034875	Soil	22	17	1.28	193	0.214	<1	2.82	0.010	1.02	0.1	<0.01	1.9	0.5	<0.05	8	<0.5	<0.2
1034744	Soil	49	13	1.11	154	0.083	<1	2.56	0.008	0.80	0.1	0.03	3.4	0.3	<0.05	8	<0.5	<0.2
1034746	Soil	25	13	1.36	198	0.238	<1	2.76	0.010	1.17	0.1	<0.01	2.1	0.5	<0.05	8	<0.5	<0.2
1034883	Soil	15	12	1.17	186	0.222	<1	2.35	0.014	1.01	<0.1	0.01	4.0	0.4	<0.05	8	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1034892	Soil	0.6	15.9	3.6	85	<0.1	13.2	16.3	794	4.19	4.8	0.7	<0.5	19.7	22	<0.1	0.3	<0.1	76	0.24	0.032
1034447	Soil	1.2	13.0	10.6	66	<0.1	10.9	9.9	414	3.03	3.8	1.0	4.4	8.6	21	0.1	0.3	0.1	62	0.32	0.029
1034890	Soil	0.9	25.5	7.0	70	<0.1	19.0	11.6	623	3.26	6.0	1.1	5.3	16.2	24	<0.1	0.5	0.1	62	0.38	0.061
1034450	Soil	2.7	29.3	13.5	113	0.2	6.2	18.1	1241	5.58	2.2	2.4	24.0	22.4	24	0.1	0.5	<0.1	102	0.43	0.071
1034147	Soil	1.1	12.1	6.2	103	<0.1	7.8	16.1	946	4.62	1.8	1.1	<0.5	20.0	19	<0.1	0.2	<0.1	88	0.35	0.077
1034439	Soil	5.0	141.0	4.7	101	<0.1	4.6	19.4	1273	5.11	1.1	1.3	8.2	27.7	19	<0.1	0.1	0.1	87	0.40	0.092
1034438	Soil	1.2	15.9	7.1	83	<0.1	12.6	14.5	635	3.77	4.8	0.6	2.9	10.3	20	<0.1	0.3	0.1	70	0.32	0.043
1034443	Soil	1.0	16.8	10.2	65	<0.1	21.5	9.4	378	3.10	11.6	0.6	4.3	13.7	24	<0.1	0.6	0.1	63	0.28	0.026
1034442	Soil	0.5	26.9	6.9	69	0.1	22.6	12.6	688	3.17	8.4	0.7	7.2	7.4	35	<0.1	0.5	0.1	53	0.76	0.084
1034886	Soil	0.9	15.6	5.6	93	<0.1	10.8	16.8	972	4.51	5.1	1.2	14.5	18.2	19	<0.1	0.5	<0.1	79	0.28	0.036
1034734	Soil	0.3	10.7	5.2	96	<0.1	7.3	15.9	784	4.17	2.8	0.8	<0.5	21.3	17	<0.1	0.1	<0.1	69	0.25	0.057
1034599	Soil	0.9	20.7	8.4	79	0.1	15.9	16.0	649	4.30	6.8	0.7	1.8	8.1	24	0.1	0.4	<0.1	76	0.23	0.025
1034593	Soil	0.8	12.8	7.4	96	<0.1	13.3	12.9	800	3.62	5.4	0.6	0.6	16.8	28	0.1	0.3	<0.1	57	0.36	0.044
1034437	Soil	1.0	14.2	8.6	95	<0.1	10.2	16.2	919	4.44	5.3	1.2	20.2	26.4	18	<0.1	0.5	0.1	67	0.27	0.064
1034888	Soil	1.0	20.9	4.8	127	<0.1	13.9	16.8	1007	4.76	5.4	0.9	207.6	16.2	21	<0.1	0.4	<0.1	79	0.31	0.050
1034449	Soil	1.1	14.6	6.3	63	0.1	13.7	10.1	531	2.29	4.2	3.6	18.9	5.7	50	0.2	0.3	<0.1	47	0.66	0.068
1034444	Soil	0.5	11.8	4.4	106	<0.1	5.5	13.7	942	3.88	2.5	0.6	<0.5	21.2	15	<0.1	0.1	<0.1	60	0.17	0.015
1034889	Soil	1.0	23.4	5.2	89	<0.1	15.9	15.4	764	4.34	6.4	1.0	17.6	21.0	21	<0.1	0.4	<0.1	80	0.28	0.048
1035130	Soil	1.4	10.1	7.7	72	<0.1	12.8	11.4	494	4.04	8.7	0.8	<0.5	8.2	11	<0.1	0.5	0.1	72	0.10	0.050
1035125	Soil	0.6	14.9	8.7	95	<0.1	10.7	17.5	822	4.65	5.4	0.7	67.2	18.1	18	<0.1	0.3	<0.1	78	0.26	0.042
1034446	Soil	0.7	13.2	8.7	85	<0.1	8.4	14.0	921	4.04	4.2	0.9	<0.5	15.8	21	<0.1	0.2	<0.1	72	0.36	0.079
1034440	Soil	0.7	8.4	4.7	84	<0.1	11.6	15.9	963	4.07	4.7	0.4	1.4	13.9	20	<0.1	0.2	<0.1	76	0.32	0.078
1034891	Soil	0.9	14.5	7.1	67	<0.1	18.1	10.9	466	3.26	7.2	0.7	8.6	9.8	17	<0.1	0.4	0.1	67	0.22	0.034
1034445	Soil	1.1	37.2	9.5	76	<0.1	31.1	12.7	496	2.91	11.1	0.6	2.7	4.1	45	0.2	0.7	0.2	62	0.61	0.062
1034441	Soil	0.7	10.7	5.6	87	<0.1	11.7	13.4	750	3.92	5.8	0.5	0.5	9.9	17	<0.1	0.3	0.1	72	0.19	0.031
1034150	Soil	0.9	14.7	6.6	66	<0.1	13.2	12.0	550	3.20	5.7	1.0	2.9	6.7	24	<0.1	0.3	0.1	68	0.44	0.043
1034887	Soil	0.7	30.4	7.0	60	0.2	23.9	10.2	606	2.74	7.2	1.1	7.1	3.6	63	0.2	0.6	0.1	56	1.01	0.064
1034143	Soil	0.8	34.9	5.1	72	<0.1	6.6	10.5	819	3.50	3.1	1.3	3.2	20.0	21	<0.1	0.2	<0.1	61	0.33	0.046
1034885	Soil	0.6	16.0	4.0	101	<0.1	7.2	17.6	1238	4.86	3.1	1.0	15.8	16.0	26	<0.1	0.4	0.2	89	0.77	0.086
1034148	Soil	0.5	14.3	3.9	90	<0.1	8.1	14.0	832	4.42	4.0	0.5	2.7	17.5	15	<0.1	0.2	<0.1	78	0.16	0.019

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Project: JPR
Report Date: July 24, 2011

CERTIFICATE OF ANALYSIS WHI11000390.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1034892	Soil	17	14	1.25	122	0.258	<1	2.68	0.009	1.22	0.1	<0.01	2.5	0.5	<0.05	8	<0.5	<0.2
1034447	Soil	27	19	0.66	199	0.131	<1	1.64	0.012	0.30	0.2	0.02	3.1	0.1	<0.05	6	<0.5	<0.2
1034890	Soil	36	22	0.81	217	0.132	<1	1.67	0.017	0.53	0.1	0.06	4.1	0.2	<0.05	5	<0.5	<0.2
1034450	Soil	37	8	1.35	184	0.253	1	2.53	0.008	1.65	0.1	0.05	9.2	0.6	<0.05	9	<0.5	<0.2
1034147	Soil	26	12	1.34	239	0.275	<1	2.59	0.008	1.46	0.1	0.02	4.0	0.5	<0.05	9	0.6	<0.2
1034439	Soil	58	10	1.33	216	0.183	<1	2.56	0.009	1.53	<0.1	0.03	7.4	0.7	<0.05	10	0.7	<0.2
1034438	Soil	17	19	0.93	238	0.152	<1	2.23	0.009	0.69	0.1	0.02	2.6	0.4	<0.05	7	<0.5	<0.2
1034443	Soil	14	32	0.61	191	0.102	<1	1.96	0.007	0.28	0.2	<0.01	2.9	0.3	<0.05	6	<0.5	<0.2
1034442	Soil	27	20	0.83	303	0.102	1	1.62	0.024	0.44	0.2	0.03	3.4	0.2	<0.05	5	<0.5	<0.2
1034886	Soil	33	14	1.20	192	0.235	<1	2.52	0.009	1.30	0.1	0.03	4.5	0.6	<0.05	8	<0.5	<0.2
1034734	Soil	34	10	1.29	154	0.254	<1	2.37	0.010	1.46	<0.1	<0.01	1.6	0.5	<0.05	7	<0.5	<0.2
1034599	Soil	14	25	1.13	161	0.068	<1	2.32	0.007	0.13	0.1	<0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
1034593	Soil	21	21	0.80	239	0.131	<1	2.29	0.008	0.63	0.1	0.01	2.0	0.4	<0.05	7	<0.5	<0.2
1034437	Soil	41	15	1.15	255	0.179	<1	2.46	0.008	1.29	0.2	<0.01	5.0	0.5	<0.05	8	<0.5	<0.2
1034888	Soil	44	15	1.31	237	0.231	<1	2.51	0.010	1.46	0.2	0.03	4.8	0.6	<0.05	9	<0.5	<0.2
1034449	Soil	33	20	0.54	191	0.087	<1	1.40	0.014	0.23	0.2	0.05	3.5	0.2	<0.05	5	0.5	<0.2
1034444	Soil	23	9	1.09	120	0.228	<1	2.69	0.006	1.21	0.1	<0.01	2.2	0.8	<0.05	9	<0.5	<0.2
1034889	Soil	31	18	1.20	214	0.227	<1	2.54	0.012	1.08	0.1	0.01	3.8	0.6	<0.05	8	<0.5	<0.2
1035130	Soil	8	23	0.68	170	0.117	<1	2.40	0.007	0.35	0.2	<0.01	2.2	0.2	<0.05	7	<0.5	<0.2
1035125	Soil	16	14	1.27	263	0.268	<1	2.61	0.008	1.50	0.2	0.01	2.8	0.6	<0.05	8	<0.5	<0.2
1034446	Soil	54	14	1.10	243	0.196	<1	2.25	0.009	1.14	0.5	<0.01	3.4	0.5	<0.05	8	<0.5	<0.2
1034440	Soil	21	17	1.09	261	0.220	<1	2.48	0.009	1.03	0.1	<0.01	1.8	0.5	<0.05	8	<0.5	<0.2
1034891	Soil	25	30	0.67	203	0.129	<1	1.91	0.010	0.47	0.1	0.02	3.9	0.2	<0.05	6	<0.5	<0.2
1034445	Soil	15	35	0.72	350	0.077	<1	1.60	0.036	0.08	0.2	0.04	4.1	<0.1	<0.05	5	<0.5	<0.2
1034441	Soil	9	19	0.98	204	0.196	<1	2.40	0.008	1.06	0.1	<0.01	2.1	0.5	<0.05	8	<0.5	<0.2
1034150	Soil	20	20	0.72	212	0.135	<1	1.77	0.012	0.38	0.2	0.02	3.4	0.2	<0.05	6	<0.5	<0.2
1034887	Soil	20	26	0.64	309	0.079	2	1.44	0.021	0.25	0.1	0.03	3.7	0.1	<0.05	5	0.8	<0.2
1034143	Soil	52	9	0.94	176	0.123	<1	2.03	0.008	0.81	0.1	0.02	4.6	0.5	<0.05	7	<0.5	<0.2
1034885	Soil	50	8	1.42	226	0.258	<1	2.66	0.013	1.54	0.2	0.04	5.7	0.8	<0.05	10	<0.5	<0.2
1034148	Soil	11	12	1.21	135	0.276	<1	2.58	0.008	1.30	0.2	<0.01	1.9	0.7	<0.05	9	<0.5	<0.2

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	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
1035110	Soil	0.8	17.5	10.4	90	0.1	7.1	11.8	1538	4.74	2.6	2.1	1.6	5.5	304	0.2	<0.1	<0.1	69	6.71	0.213
1035111	Soil	0.9	16.1	4.9	85	<0.1	13.6	15.6	692	4.36	5.5	0.6	3.8	12.2	20	<0.1	0.3	<0.1	69	0.27	0.031
1035128	Soil	1.7	12.3	11.0	78	0.2	15.7	11.9	1086	3.77	7.4	0.9	2.6	3.8	66	0.3	0.3	0.1	73	0.63	0.075
1035106	Soil	1.6	8.2	12.5	93	<0.1	6.0	17.0	1056	4.90	5.5	1.1	9.0	12.1	12	0.1	0.3	0.1	71	0.12	0.099
1035126	Soil	0.6	20.3	4.1	90	<0.1	10.7	15.4	819	4.60	5.2	1.0	1.9	27.5	15	<0.1	0.2	0.3	89	0.19	0.024
1035131	Soil	1.1	17.3	8.7	49	0.1	20.4	9.2	260	2.84	10.1	0.6	4.3	4.3	18	<0.1	0.5	0.2	64	0.19	0.016
1035115	Soil	1.7	9.4	4.1	102	<0.1	6.9	17.4	956	5.17	2.8	1.4	0.8	14.6	15	<0.1	0.2	<0.1	96	0.24	0.056
1035123	Soil	0.9	21.3	9.3	92	<0.1	13.0	15.8	938	4.30	4.6	0.9	283.2	16.2	21	<0.1	0.3	<0.1	74	0.36	0.067
1035101	Soil	3.1	9.1	7.2	99	<0.1	4.3	16.9	1838	4.64	1.6	1.2	8.5	23.7	20	<0.1	0.2	<0.1	62	0.53	0.093
1035108	Soil	1.0	23.4	7.9	69	<0.1	22.1	9.9	636	2.96	7.4	0.8	3.1	4.0	61	0.2	0.4	0.1	59	0.89	0.094
1035109	Soil	1.0	14.8	12.3	122	0.2	7.4	12.4	1899	5.49	1.9	2.0	2.3	7.0	318	0.3	<0.1	<0.1	78	4.40	0.301
1035113	Soil	1.5	17.7	9.4	111	<0.1	9.0	18.1	1151	4.88	3.3	1.4	32.4	23.9	22	<0.1	0.3	<0.1	77	0.37	0.096
1035132	Soil	1.1	13.9	10.0	49	<0.1	17.0	8.2	328	2.92	10.3	0.5	2.7	3.9	16	<0.1	0.6	0.2	67	0.16	0.025
1035127	Soil	1.7	18.9	12.6	75	<0.1	19.7	11.3	964	4.75	11.6	1.5	1.9	5.9	68	0.1	0.5	0.2	81	0.61	0.077
1035135	Soil	19.6	49.1	10.4	81	0.2	10.7	13.7	695	3.56	4.5	1.4	15.4	13.6	18	0.1	0.3	0.4	53	0.30	0.051
1035124	Soil	0.9	13.2	4.2	117	<0.1	7.7	17.2	897	4.98	3.9	0.8	1.3	13.5	18	<0.1	0.3	<0.1	86	0.17	0.039
1035129	Soil	1.1	10.5	8.5	94	<0.1	10.2	16.4	880	4.22	5.5	0.7	1.4	10.9	21	0.1	0.3	0.1	77	0.24	0.064
1035104	Soil	1.2	17.8	7.7	63	<0.1	16.7	12.8	420	3.55	7.9	0.6	4.4	7.2	16	<0.1	0.4	0.1	62	0.15	0.028
1035133	Soil	1.1	13.3	7.5	62	<0.1	10.9	11.2	503	3.44	5.8	0.9	6.1	10.3	19	<0.1	0.4	0.1	66	0.20	0.024
1035112	Soil	0.8	23.6	6.3	103	<0.1	17.3	16.7	811	4.73	7.7	0.7	2.3	13.0	21	<0.1	0.4	<0.1	90	0.24	0.034
1035136	Soil	2.9	14.1	10.7	50	0.2	8.1	9.8	645	2.43	4.4	1.2	6.1	4.9	22	0.2	0.2	0.2	56	0.28	0.051
1035103	Soil	2.0	8.5	8.6	81	<0.1	8.2	13.9	904	3.94	6.0	0.6	<0.5	4.3	14	0.3	0.3	0.1	71	0.15	0.099
1035134	Soil	2.9	13.0	8.0	105	<0.1	5.6	16.2	1479	4.60	1.8	1.5	10.1	23.3	21	<0.1	0.3	<0.1	62	0.45	0.100
1035102	Soil	0.9	7.0	57.8	88	0.5	1.9	11.6	1386	4.03	1.4	1.1	3.2	27.1	35	0.2	0.1	0.9	60	0.55	0.077
1035137	Soil	3.5	21.6	10.3	65	0.2	16.8	10.1	315	3.02	8.9	1.0	12.2	9.4	18	0.1	0.4	0.2	64	0.21	0.039
1035107	Soil	1.3	33.1	10.6	90	0.2	23.3	13.0	971	4.20	9.9	1.0	7.3	6.0	69	0.2	0.6	0.3	75	1.04	0.113
1035105	Soil	1.6	11.5	9.2	54	<0.1	10.6	9.7	509	3.52	9.3	0.7	4.6	6.1	17	<0.1	0.5	0.2	88	0.17	0.038

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	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1035110	Soil	24	14	0.57	350	0.004	<1	1.71	0.011	0.02	<0.1	0.04	10.2	<0.1	<0.05	6	<0.5	<0.2
1035111	Soil	12	15	1.18	163	0.201	<1	2.50	0.008	1.03	0.1	<0.01	2.2	0.5	<0.05	8	<0.5	<0.2
1035128	Soil	11	31	0.41	458	0.030	<1	2.52	0.014	0.06	<0.1	0.01	5.7	<0.1	<0.05	7	<0.5	<0.2
1035106	Soil	12	11	0.97	171	0.216	1	2.35	0.007	1.03	0.2	<0.01	2.9	0.4	<0.05	9	<0.5	<0.2
1035126	Soil	46	14	1.24	111	0.261	<1	2.82	0.008	1.43	0.2	0.02	5.9	0.6	<0.05	9	<0.5	<0.2
1035131	Soil	13	34	0.46	213	0.074	<1	1.84	0.010	0.06	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
1035115	Soil	20	10	1.41	218	0.293	<1	2.65	0.009	1.48	<0.1	<0.01	4.5	0.5	<0.05	10	<0.5	<0.2
1035123	Soil	34	15	1.19	280	0.220	<1	2.61	0.010	1.11	0.1	0.03	3.9	0.5	<0.05	8	<0.5	<0.2
1035101	Soil	53	7	1.20	324	0.163	<1	2.41	0.008	1.29	0.2	0.02	5.0	0.6	<0.05	8	<0.5	<0.2
1035108	Soil	17	27	0.59	276	0.056	1	1.47	0.029	0.07	0.1	0.05	4.8	<0.1	<0.05	5	<0.5	<0.2
1035109	Soil	26	22	0.75	265	0.005	3	1.96	0.014	0.03	<0.1	0.01	13.3	<0.1	<0.05	7	0.7	<0.2
1035113	Soil	46	9	1.25	299	0.246	<1	2.63	0.012	1.56	0.1	0.02	4.0	0.5	<0.05	8	<0.5	<0.2
1035132	Soil	10	29	0.41	163	0.072	<1	1.77	0.011	0.06	0.1	0.01	2.5	0.1	<0.05	6	<0.5	<0.2
1035127	Soil	16	34	0.50	383	0.035	2	2.41	0.018	0.07	<0.1	0.02	9.6	<0.1	<0.05	7	0.7	<0.2
1035135	Soil	30	17	0.75	198	0.123	1	2.00	0.013	0.53	0.7	0.02	4.8	0.3	<0.05	6	0.9	<0.2
1035124	Soil	11	12	1.47	118	0.265	<1	2.96	0.009	1.58	0.2	<0.01	2.1	0.6	<0.05	10	<0.5	<0.2
1035129	Soil	10	18	0.97	236	0.179	<1	2.59	0.011	0.74	0.1	0.01	2.6	0.4	<0.05	8	<0.5	<0.2
1035104	Soil	11	24	0.74	191	0.118	<1	2.21	0.010	0.34	0.1	0.02	2.4	0.2	<0.05	6	0.9	<0.2
1035133	Soil	32	19	0.73	172	0.138	<1	1.99	0.015	0.35	0.1	0.01	3.1	0.2	<0.05	7	<0.5	<0.2
1035112	Soil	24	19	1.36	164	0.257	<1	2.79	0.014	1.16	0.2	0.01	3.6	0.5	<0.05	9	<0.5	<0.2
1035136	Soil	19	17	0.45	189	0.099	1	1.55	0.014	0.23	<0.1	0.02	2.6	0.2	<0.05	7	0.5	<0.2
1035103	Soil	8	15	0.81	119	0.120	1	2.35	0.009	0.54	<0.1	0.02	2.8	0.3	<0.05	9	<0.5	<0.2
1035134	Soil	46	8	1.17	282	0.171	<1	2.51	0.009	1.31	0.1	0.02	5.0	0.5	<0.05	8	<0.5	<0.2
1035102	Soil	56	5	0.93	164	0.150	2	2.08	0.012	1.04	0.2	0.01	6.2	0.5	<0.05	8	0.6	<0.2
1035137	Soil	17	26	0.58	186	0.096	1	1.99	0.011	0.18	0.2	0.02	3.2	0.2	<0.05	6	0.9	<0.2
1035107	Soil	25	28	0.71	305	0.052	2	2.10	0.036	0.09	0.1	0.06	8.0	0.3	<0.05	7	0.6	<0.2
1035105	Soil	12	23	0.61	159	0.130	<1	1.93	0.010	0.24	0.1	<0.01	3.3	0.2	<0.05	9	0.8	<0.2

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Project: JPR
Report Date: July 24, 2011

QUALITY CONTROL REPORT WHI11000390.1

	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
	Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
	MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1034750	Soil	0.4	79.6	5.4	78	<0.1	14.3	17.0	685	4.55	4.1	1.0	<0.5	13.4	41	<0.1	0.2	<0.1	94	0.25	0.026
REP 1034750	QC	0.5	78.4	5.9	78	<0.1	15.5	17.0	715	4.60	4.1	1.1	0.9	14.1	42	<0.1	0.2	<0.1	96	0.25	0.027
1034744	Soil	0.3	11.4	4.1	90	<0.1	10.3	15.0	791	4.27	3.5	1.1	0.9	21.9	32	<0.1	0.3	<0.1	64	0.44	0.058
REP 1034744	QC	0.4	11.0	4.1	86	<0.1	9.8	14.5	770	4.17	3.4	1.0	<0.5	22.5	32	<0.1	0.2	<0.1	63	0.42	0.057
1034599	Soil	0.9	20.7	8.4	79	0.1	15.9	16.0	649	4.30	6.8	0.7	1.8	8.1	24	0.1	0.4	<0.1	76	0.23	0.025
REP 1034599	QC	0.9	20.8	8.0	77	<0.1	15.3	15.9	646	4.24	6.9	0.7	1.0	8.3	24	0.1	0.4	<0.1	77	0.24	0.025
1035131	Soil	1.1	17.3	8.7	49	0.1	20.4	9.2	260	2.84	10.1	0.6	4.3	4.3	18	<0.1	0.5	0.2	64	0.19	0.016
REP 1035131	QC	1.1	16.8	8.5	48	0.1	20.1	9.2	256	2.82	9.9	0.6	4.0	4.2	18	<0.1	0.5	0.2	64	0.18	0.017
1035132	Soil	1.1	13.9	10.0	49	<0.1	17.0	8.2	328	2.92	10.3	0.5	2.7	3.9	16	<0.1	0.6	0.2	67	0.16	0.025
REP 1035132	QC	1.2	13.7	10.4	50	<0.1	17.1	8.5	323	2.90	10.1	0.5	5.7	3.9	16	0.1	0.6	0.2	68	0.16	0.026
Reference Materials																					
STD DS8	Standard	13.1	119.0	122.6	320	1.7	39.7	7.9	639	2.54	28.5	2.8	110.1	6.8	71	2.6	6.2	6.7	44	0.69	0.084
STD DS8	Standard	13.9	120.6	122.5	327	1.8	39.7	8.1	646	2.58	28.8	2.9	108.8	6.8	72	2.8	6.4	6.6	47	0.73	0.088
STD DS8	Standard	12.2	110.6	122.0	311	1.8	38.5	7.6	577	2.37	24.7	2.5	103.3	6.4	61	2.2	5.0	6.1	42	0.67	0.078
STD DS8	Standard	13.6	109.5	119.6	304	1.8	39.0	7.4	591	2.39	24.7	2.7	109.3	6.6	61	2.3	5.0	6.0	44	0.69	0.077
STD DS8	Standard	13.8	114.2	118.4	316	1.8	40.3	8.0	606	2.44	26.1	2.6	115.4	6.7	60	2.3	5.4	6.5	45	0.68	0.075
STD DS8	Standard	14.2	115.2	116.3	310	1.7	40.5	7.9	614	2.47	26.5	2.7	128.7	6.7	62	2.2	5.4	6.4	45	0.69	0.073
STD DS8	Standard	11.3	108.4	128.3	317	1.8	37.8	7.3	612	2.48	27.2	2.8	112.9	6.9	68	2.2	5.8	7.1	41	0.69	0.080
STD DS8	Standard	12.4	111.3	126.9	319	1.8	37.2	7.4	603	2.44	27.3	2.8	107.1	6.7	68	2.4	5.8	7.0	36	0.66	0.078
STD DS8 Expected		13.44	110	123	312	1.69	38.1	7.5	615	2.46	26	2.8	107	6.89	67.7	2.38	5.7	6.67	41.1	0.7	0.08
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001
BLK	Blank	<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001

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	Method	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
	Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
	Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
	MDL	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
Pulp Duplicates																		
1034750	Soil	30	16	1.47	201	0.226	<1	2.93	0.011	0.90	<0.1	0.01	5.0	0.4	<0.05	9	<0.5	<0.2
REP 1034750	QC	32	17	1.49	216	0.225	<1	2.91	0.012	0.90	<0.1	<0.01	5.1	0.4	<0.05	9	<0.5	<0.2
1034744	Soil	49	13	1.11	154	0.083	<1	2.56	0.008	0.80	0.1	0.03	3.4	0.3	<0.05	8	<0.5	<0.2
REP 1034744	QC	51	13	1.06	158	0.079	<1	2.49	0.008	0.76	<0.1	0.03	3.4	0.3	<0.05	8	<0.5	<0.2
1034599	Soil	14	25	1.13	161	0.068	<1	2.32	0.007	0.13	0.1	<0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
REP 1034599	QC	14	25	1.11	164	0.069	<1	2.38	0.007	0.13	0.1	0.01	3.4	<0.1	<0.05	7	<0.5	<0.2
1035131	Soil	13	34	0.46	213	0.074	<1	1.84	0.010	0.06	0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
REP 1035131	QC	12	34	0.45	203	0.072	<1	1.80	0.010	0.06	0.1	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
1035132	Soil	10	29	0.41	163	0.072	<1	1.77	0.011	0.06	0.1	0.01	2.5	0.1	<0.05	6	<0.5	<0.2
REP 1035132	QC	10	29	0.38	165	0.070	2	1.68	0.010	0.06	0.1	0.02	2.4	<0.1	<0.05	6	<0.5	<0.2
Reference Materials																		
STD DS8	Standard	14	115	0.60	285	0.123	2	0.89	0.094	0.43	2.9	0.19	2.3	5.3	0.17	5	5.2	4.9
STD DS8	Standard	16	121	0.62	300	0.134	3	0.96	0.103	0.44	3.1	0.20	2.3	5.4	0.19	5	5.4	5.1
STD DS8	Standard	13	118	0.60	267	0.112	2	0.86	0.083	0.41	3.0	0.21	1.9	4.9	0.14	4	4.7	4.6
STD DS8	Standard	14	119	0.60	269	0.118	2	0.87	0.083	0.42	2.8	0.18	1.9	5.0	0.14	4	4.7	4.9
STD DS8	Standard	15	123	0.60	275	0.114	2	0.88	0.075	0.39	2.9	0.20	2.1	5.5	0.16	5	4.9	4.8
STD DS8	Standard	15	125	0.60	278	0.117	2	0.87	0.075	0.40	3.0	0.20	2.1	5.6	0.15	5	5.3	5.4
STD DS8	Standard	13	118	0.61	272	0.114	3	0.89	0.099	0.45	2.9	0.21	2.5	5.5	0.16	5	4.9	5.7
STD DS8	Standard	13	115	0.59	272	0.114	2	0.87	0.096	0.43	3.0	0.18	2.5	5.4	0.15	5	4.7	5.0
STD DS8 Expected		14.6	115	0.6045	279	0.113	2.6	0.93	0.0883	0.41	3	0.192	2.3	5.4	0.1679	4.7	5.23	5
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2

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