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Acme Analytical Laboratories (Vancouver) Ltd.  
9050 Shaughnessy St Vancouver BC V6P 6E5 CANADA  
PHONE (604) 253-3158

Client: **Pacific Ridge Exploration Ltd.**  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5 CANADA

Submitted By: Gerry Carlson  
Receiving Lab: Canada-Whitehorse  
Received: July 10, 2013  
Report Date: July 26, 2013  
Page: 1 of 12

## CERTIFICATE OF ANALYSIS

WHI13000111.1

### CLIENT JOB INFORMATION

Project: KSD  
Shipment ID: KSD-Soil2013-001  
P.O. Number  
Number of Samples: 320

### SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage  
DISP-RJT-SOIL Immediate Disposal of Soil Reject

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

Invoice To: Pacific Ridge Exploration Ltd.  
1100 - 1199 West Hastings Street  
Vancouver BC V6E 3T5  
CANADA

CC: Isaac Fage  
John Brock

### SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
Dry at 60C	320	Dry at 60C			WHI
SS80	315	Dry at 60C sieve 100g to -80 mesh			WHI
1DX2	320	1:1:1 Aqua Regia digestion ICP-MS analysis	15	Completed	VAN

### ADDITIONAL COMMENTS



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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Page: 2 of 12

Part: 1 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			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
1365471	Soil		0.5	10.7	13.2	68	<0.1	8.5	5.3	437	1.86	6.5	0.5	5.0	5.5	9	0.3	0.2	0.2	20	0.17	0.044
1365472	Soil		0.5	17.6	11.8	71	0.1	8.9	6.5	357	2.43	2.8	0.4	2.5	6.4	8	0.1	0.3	0.2	23	0.13	0.044
1365473	Soil		0.7	21.7	20.7	81	0.3	13.0	11.6	700	2.90	5.9	0.6	7.5	3.8	13	0.4	0.3	0.1	40	0.24	0.059
1365474	Soil		0.4	16.7	16.1	62	0.1	6.0	6.2	471	1.86	3.3	0.5	6.2	8.1	9	0.1	0.1	0.1	17	0.15	0.044
1365475	Soil		0.4	23.1	13.8	71	0.1	8.6	8.8	426	2.63	3.3	0.6	78.9	6.4	10	0.1	0.2	0.1	25	0.19	0.055
1365476	Soil		2.7	48.8	21.8	163	0.2	37.7	19.1	844	3.14	4.9	1.9	30.4	8.7	15	1.3	0.3	0.1	19	0.34	0.136
1365477	Soil		1.8	6.5	12.8	55	0.4	3.6	3.3	66	2.41	8.4	1.1	18.9	3.7	16	0.2	0.4	0.4	6	0.01	0.034
1365478	Soil		1.0	20.5	16.5	69	0.2	19.2	9.6	359	2.80	59.8	0.8	8.8	3.6	17	0.2	0.5	0.1	41	0.20	0.045
1365479	Soil		1.0	48.5	27.1	140	0.7	15.8	11.4	502	3.50	10.1	0.9	14.4	4.0	14	0.6	0.6	0.3	48	0.14	0.035
1365480	Soil		0.4	60.9	36.7	142	0.3	17.3	19.1	1128	5.03	6.0	0.6	22.9	3.4	9	0.7	0.3	0.1	78	0.27	0.072
1365481	Soil		1.3	38.9	38.0	113	0.8	19.8	13.8	810	3.40	7.0	0.7	17.8	7.7	18	0.5	0.4	0.1	34	0.24	0.061
1365482	Soil		0.7	26.9	31.1	106	0.3	11.8	11.9	533	3.37	9.3	0.4	63.4	4.1	12	0.3	0.3	0.1	40	0.28	0.072
1365483	Soil		0.9	26.6	54.2	122	0.3	16.3	10.2	405	3.31	9.2	0.4	11.0	3.5	13	0.2	0.4	0.1	52	0.23	0.030
1365484	Soil		0.6	34.2	19.4	88	0.3	23.3	18.9	1063	4.06	6.8	0.5	7.2	2.0	11	0.4	0.3	0.2	57	0.39	0.065
1365485	Soil		0.6	39.7	13.9	83	0.2	18.7	13.8	732	4.17	5.5	0.4	9.7	2.0	12	0.2	0.3	0.1	59	0.29	0.058
1365486	Soil		1.6	30.7	21.4	125	0.4	17.8	11.6	471	3.45	7.9	0.8	65.7	3.0	12	0.5	0.4	0.2	54	0.14	0.040
1365487	Soil		1.4	43.7	23.6	190	0.7	13.0	19.8	1693	4.36	7.3	0.9	20.8	2.1	16	2.4	0.4	<0.1	54	0.29	0.070
1365488	Soil		12.1	139.6	995.2	723	12.4	12.1	7.1	356	4.16	13.1	4.1	185.6	6.6	80	8.5	8.0	0.7	25	0.15	0.092
1365489	Soil		2.7	42.2	117.8	252	0.3	14.4	11.8	442	3.91	10.7	1.3	11.5	4.8	15	0.9	0.5	<0.1	51	0.17	0.050
1365490	Soil		0.6	24.5	43.1	163	0.3	15.8	6.9	272	1.39	5.5	1.9	8.9	13.2	15	1.2	1.1	<0.1	16	0.33	0.137
1365491	Soil		1.6	45.3	12.4	572	0.3	34.0	15.2	1065	3.13	56.0	1.2	1.4	7.4	15	5.7	0.5	0.2	36	0.36	0.111
1365492	Soil		0.9	22.6	26.4	97	0.3	16.9	8.4	324	2.86	13.6	0.7	4.7	3.3	15	0.1	0.5	<0.1	43	0.22	0.049
1365493	Soil		0.7	22.0	29.5	85	0.2	16.2	8.4	290	2.84	12.8	0.8	2.3	4.8	20	0.2	0.3	<0.1	36	0.31	0.073
1365494	Soil		1.1	32.5	21.3	118	0.2	22.6	9.4	363	2.68	27.1	0.9	4.0	6.0	16	0.6	0.3	0.3	34	0.27	0.076
1365495	Soil		4.6	24.9	23.9	102	0.3	16.5	10.0	366	3.14	12.1	1.9	8.4	4.4	20	0.4	0.8	0.2	46	0.20	0.049
1365496	Soil		1.2	32.0	57.4	134	0.1	18.9	8.9	323	3.05	16.9	1.0	10.2	4.4	16	0.3	0.6	0.1	52	0.17	0.023
1365497	Soil		0.9	29.5	37.4	121	0.3	16.6	9.8	373	3.24	12.4	1.2	7.7	3.9	24	0.4	0.5	0.1	44	0.21	0.049
1365498	Soil		1.7	44.7	28.2	247	0.7	31.5	20.9	1055	4.68	7.0	0.8	16.2	1.7	18	1.8	0.5	0.2	71	0.28	0.052
1365499	Soil		0.9	18.3	26.6	203	0.4	9.0	13.0	535	3.93	4.8	0.7	15.2	3.5	14	1.2	0.3	<0.1	38	0.31	0.069
1365500	Soil		1.0	40.1	37.4	108	0.3	25.2	11.3	477	3.80	6.6	0.7	14.5	3.1	16	0.2	0.5	0.2	59	0.20	0.025

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 Report Date: July 26, 2013

Page: 2 of 12

Part: 2 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte	1DX15																	
	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	
1365471	Soil	18	14	0.92	177	0.012	1	1.25	0.003	0.03	<0.1	0.03	2.2	<0.1	<0.05	4	<0.5	<0.2
1365472	Soil	27	13	1.27	177	0.009	1	1.69	0.003	0.04	<0.1	<0.01	2.3	<0.1	<0.05	4	<0.5	<0.2
1365473	Soil	15	22	1.22	241	0.016	2	1.72	0.005	0.03	0.2	0.02	3.5	<0.1	<0.05	5	<0.5	<0.2
1365474	Soil	33	9	1.11	179	0.005	<1	1.40	0.002	0.04	<0.1	0.02	2.2	<0.1	<0.05	3	<0.5	<0.2
1365475	Soil	26	11	1.43	201	0.006	<1	1.74	0.002	0.04	<0.1	0.02	3.0	<0.1	<0.05	4	<0.5	<0.2
1365476	Soil	22	21	0.76	559	0.003	1	1.13	0.003	0.07	<0.1	<0.01	3.0	<0.1	<0.05	3	<0.5	<0.2
1365477	Soil	10	3	0.25	228	0.002	1	0.50	0.041	0.07	<0.1	0.02	1.3	<0.1	0.22	1	<0.5	<0.2
1365478	Soil	16	28	0.82	381	0.030	<1	1.61	0.007	0.05	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1365479	Soil	16	23	1.29	378	0.022	1	2.03	0.006	0.03	<0.1	0.05	5.2	<0.1	<0.05	5	<0.5	<0.2
1365480	Soil	12	21	2.30	278	0.006	<1	2.99	0.006	0.03	<0.1	0.04	12.0	<0.1	<0.05	8	<0.5	<0.2
1365481	Soil	31	24	1.33	362	0.013	<1	1.97	0.006	0.06	<0.1	0.09	3.7	<0.1	<0.05	5	<0.5	<0.2
1365482	Soil	16	16	1.47	197	0.010	2	2.05	0.004	0.04	<0.1	0.02	3.3	<0.1	<0.05	6	<0.5	<0.2
1365483	Soil	14	25	1.20	302	0.016	<1	2.14	0.006	0.04	0.1	0.10	4.4	<0.1	<0.05	6	<0.5	<0.2
1365484	Soil	9	38	1.76	207	0.012	<1	2.33	0.004	0.02	<0.1	0.03	6.2	<0.1	<0.05	5	<0.5	<0.2
1365485	Soil	7	28	1.58	357	0.015	3	2.32	0.004	0.03	<0.1	0.02	6.0	<0.1	<0.05	6	<0.5	<0.2
1365486	Soil	11	29	1.30	361	0.034	<1	2.14	0.005	0.03	0.1	0.04	4.4	<0.1	<0.05	5	<0.5	<0.2
1365487	Soil	9	11	1.63	438	0.011	<1	2.33	0.004	0.03	<0.1	0.13	5.9	<0.1	<0.05	6	<0.5	<0.2
1365488	Soil	40	13	1.05	222	0.060	<1	1.52	0.019	0.07	<0.1	>50	3.7	<0.1	0.17	4	5.6	<0.2
1365489	Soil	16	20	1.33	262	0.025	<1	2.05	0.006	0.03	<0.1	0.33	4.8	<0.1	<0.05	5	<0.5	<0.2
1365490	Soil	34	10	0.55	248	0.049	<1	0.87	0.002	0.06	<0.1	0.76	1.2	<0.1	<0.05	2	<0.5	<0.2
1365491	Soil	27	25	1.22	154	0.040	<1	1.58	0.003	0.02	<0.1	0.45	5.4	<0.1	<0.05	5	<0.5	<0.2
1365492	Soil	12	28	1.29	236	0.050	<1	1.78	0.004	0.04	<0.1	0.76	3.7	<0.1	<0.05	5	<0.5	<0.2
1365493	Soil	12	24	1.05	229	0.057	1	1.55	0.005	0.05	<0.1	0.87	3.8	<0.1	<0.05	5	<0.5	<0.2
1365494	Soil	16	19	0.83	235	0.043	1	1.29	0.003	0.04	<0.1	0.44	3.6	<0.1	<0.05	4	<0.5	<0.2
1365495	Soil	14	27	0.79	302	0.052	1	1.51	0.009	0.04	<0.1	0.34	4.0	<0.1	<0.05	4	<0.5	<0.2
1365496	Soil	15	28	1.04	274	0.044	<1	1.89	0.008	0.04	0.1	0.35	4.9	<0.1	<0.05	5	<0.5	<0.2
1365497	Soil	14	23	1.02	519	0.040	<1	1.63	0.008	0.04	0.1	0.18	4.7	<0.1	<0.05	5	<0.5	<0.2
1365498	Soil	6	49	2.21	422	0.022	1	2.84	0.006	0.03	<0.1	0.19	7.6	<0.1	<0.05	7	<0.5	<0.2
1365499	Soil	13	10	1.53	419	0.010	<1	2.07	0.005	0.02	<0.1	0.10	4.4	<0.1	<0.05	6	<0.5	<0.2
1365500	Soil	11	44	1.59	703	0.023	<1	2.34	0.008	0.04	<0.1	0.11	6.7	<0.1	<0.05	6	<0.5	<0.2

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Page: 3 of 12

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			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
1365676	Soil		0.5	41.1	16.5	74	0.5	23.5	15.8	779	3.38	6.1	0.7	18.1	1.9	15	0.4	0.3	0.2	54	0.49	0.055
1365677	Soil		0.7	27.6	17.1	93	0.2	6.4	11.1	892	3.71	2.6	0.6	15.5	6.6	11	0.1	0.3	0.1	30	0.36	0.080
1365678	Soil		0.9	50.3	37.6	145	0.6	22.5	12.3	527	3.62	8.0	0.9	22.4	3.7	12	0.3	0.4	0.1	52	0.31	0.032
1365679	Soil		0.9	37.3	14.8	147	0.2	26.5	16.5	931	4.13	7.9	0.5	13.3	3.3	6	0.5	0.3	0.2	53	0.09	0.025
1399095	Soil		0.9	31.6	4.4	80	0.1	20.8	10.2	424	3.60	6.5	0.5	0.9	1.2	14	0.1	0.4	<0.1	47	0.17	0.048
1399096	Soil		1.3	35.5	9.6	82	0.1	27.2	12.2	459	3.56	11.6	1.0	3.2	4.4	14	<0.1	0.3	<0.1	46	0.23	0.057
1399097	Soil		0.1	64.8	27.0	90	<0.1	11.5	25.0	1763	4.48	8.2	0.9	31.6	5.1	4	1.7	0.2	0.4	64	0.13	0.065
1399098	Soil		0.2	26.6	38.0	564	0.6	5.5	1.1	573	4.51	5.6	0.3	13.5	2.6	13	0.1	0.3	0.3	52	0.03	0.058
1399099	Soil		1.2	31.7	8.0	47	0.2	6.7	17.9	718	4.77	16.1	0.8	17.3	4.8	4	<0.1	0.4	0.5	35	0.07	0.083
1399100	Soil		1.4	72.2	5.8	92	0.6	3.6	19.2	1188	6.20	124.3	0.6	77.5	3.2	7	0.1	0.4	0.7	31	0.30	0.147
1399101	Rock Pulp		1.1	420.3	21.7	164	0.2	201.7	74.2	813	14.91	2.8	1.2	27.3	7.4	16	<0.1	0.4	0.2	203	0.30	0.043
1399102	Soil		0.5	7.9	5.5	33	0.1	6.0	12.9	794	3.30	9.1	1.9	9.2	7.5	6	<0.1	<0.1	0.5	11	0.03	0.068
1399103	Soil		0.5	65.8	6.9	63	0.3	30.4	22.3	1732	3.85	8.8	0.5	6.7	1.8	8	0.2	0.7	0.3	55	0.16	0.065
1399104	Soil		0.8	97.7	9.8	61	0.4	13.2	15.7	798	3.48	14.9	0.7	14.3	1.8	8	0.1	0.7	0.4	54	0.10	0.036
1399105	Soil		0.7	45.9	7.1	47	0.2	20.1	18.7	802	3.42	8.7	0.6	8.9	2.2	9	0.1	0.5	0.2	58	0.16	0.026
1399106	Soil		0.7	176.2	7.8	113	1.8	13.5	23.1	982	4.89	26.6	0.8	11.2	2.7	7	0.3	0.8	0.4	64	0.16	0.046
1378162	Soil		0.8	89.4	9.5	82	0.5	21.0	26.4	1119	4.56	10.3	0.5	25.7	3.2	10	0.2	0.6	0.3	75	0.19	0.041
1378163	Soil		1.1	54.6	12.5	71	0.5	26.7	20.1	867	3.46	8.5	0.8	7.5	2.9	21	0.2	0.5	0.2	70	0.49	0.037
1378164	Soil		1.2	29.9	11.8	47	0.3	23.7	15.1	743	2.90	9.2	0.7	3.2	2.1	20	<0.1	0.5	0.2	62	0.35	0.034
1378165	Soil		1.0	60.4	10.1	56	0.2	25.3	19.3	763	3.68	11.1	0.7	11.7	3.2	13	<0.1	0.7	0.3	62	0.14	0.030
1378166	Soil		0.3	24.9	8.5	49	0.4	21.3	43.5	1395	5.96	7.9	0.4	16.8	1.1	6	<0.1	0.7	0.2	87	0.13	0.039
1378167	Soil		0.9	100.5	9.0	77	1.0	7.2	29.6	1384	5.22	13.7	0.6	20.8	1.7	11	0.2	0.7	0.4	53	0.25	0.069
1378168	Soil		1.1	42.6	10.2	69	0.4	24.0	15.3	633	3.31	9.5	0.6	32.1	3.2	19	0.1	0.9	0.3	54	0.39	0.062
1378169	Soil		0.8	32.0	12.8	56	0.3	19.5	15.4	786	3.10	10.0	0.7	10.0	2.9	20	0.3	0.4	0.4	50	0.38	0.065
1378170	Soil		0.9	79.8	13.7	66	0.7	22.6	16.9	684	3.02	10.5	1.2	14.4	3.0	22	0.2	0.6	0.3	60	0.57	0.057
1378171	Soil		0.9	37.0	11.4	60	0.3	21.6	13.4	863	2.74	9.2	0.9	4.8	2.5	35	0.2	0.7	0.2	56	0.73	0.053
1378172	Soil		0.9	32.4	9.6	52	0.2	19.9	13.0	647	2.62	8.0	0.8	8.8	2.0	31	0.3	0.5	0.2	56	0.60	0.050
1378173	Soil		0.9	40.1	13.4	51	0.2	28.9	17.5	1122	2.92	8.4	0.8	6.8	2.2	33	0.3	0.6	0.2	56	0.80	0.052
1378174	Soil		0.9	29.4	9.8	53	0.2	26.0	13.8	564	2.74	8.9	1.0	5.0	2.9	31	<0.1	0.6	0.2	52	0.61	0.054
1378175	Soil		0.9	32.2	10.5	55	0.2	25.7	13.4	498	2.76	9.4	1.1	5.1	3.1	32	<0.1	0.7	0.2	54	0.59	0.056

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 Vancouver BC V6E 3T5 CANADA

Project: KSD  
 Report Date: July 26, 2013

Page: 3 of 12

Part: 2 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	0.01	0.01	0.01	0.05	1	0.5	0.2	
1365676	Soil	10	38	1.43	288	0.013	1	2.11	0.005	0.02	0.2	0.07	6.4	<0.1	<0.05	5	<0.5	<0.2
1365677	Soil	24	6	1.52	255	0.004	<1	2.21	0.005	0.04	<0.1	0.09	3.8	<0.1	<0.05	6	<0.5	<0.2
1365678	Soil	13	37	1.46	309	0.014	2	2.32	0.006	0.03	0.2	0.15	6.2	<0.1	<0.05	6	0.9	<0.2
1365679	Soil	12	41	1.83	238	0.012	<1	2.41	0.003	0.03	<0.1	0.07	6.6	<0.1	<0.05	6	<0.5	<0.2
1399095	Soil	3	36	1.56	113	0.076	1	2.03	0.002	0.04	<0.1	0.02	2.3	<0.1	<0.05	6	<0.5	<0.2
1399096	Soil	13	27	1.49	193	0.073	<1	1.91	0.004	0.05	<0.1	0.02	4.3	<0.1	<0.05	5	<0.5	<0.2
1399097	Soil	20	11	2.08	109	0.003	<1	2.68	0.002	0.03	<0.1	0.04	11.4	<0.1	<0.05	6	<0.5	<0.2
1399098	Soil	9	8	2.50	344	0.003	<1	2.53	0.053	0.13	<0.1	0.42	4.8	<0.1	0.46	7	1.5	<0.2
1399099	Soil	13	8	1.08	79	0.011	<1	1.93	0.002	0.03	<0.1	0.02	4.1	<0.1	<0.05	5	0.8	<0.2
1399100	Soil	8	2	1.00	132	0.003	<1	1.69	0.004	0.03	<0.1	0.03	6.7	<0.1	0.05	5	1.3	<0.2
1399101	Rock Pulp	18	630	0.14	141	0.164	4	4.10	0.015	0.07	<0.1	0.04	41.3	<0.1	<0.05	19	<0.5	<0.2
1399102	Soil	23	5	1.04	76	0.002	<1	1.20	0.003	0.02	<0.1	0.01	2.6	<0.1	<0.05	3	<0.5	<0.2
1399103	Soil	8	68	1.73	109	0.035	<1	2.27	0.002	0.02	<0.1	0.06	7.4	<0.1	<0.05	5	<0.5	<0.2
1399104	Soil	10	22	0.96	102	0.049	2	1.99	0.005	0.03	0.1	0.07	4.0	<0.1	<0.05	5	<0.5	0.2
1399105	Soil	10	26	1.18	161	0.045	<1	2.05	0.006	0.03	<0.1	0.04	7.3	<0.1	<0.05	5	<0.5	<0.2
1399106	Soil	13	13	1.84	131	0.009	<1	2.48	0.003	0.02	<0.1	0.07	8.2	<0.1	<0.05	6	0.7	<0.2
1378162	Soil	12	23	1.47	200	0.027	<1	2.06	0.007	0.03	0.1	0.04	10.5	<0.1	<0.05	6	<0.5	<0.2
1378163	Soil	13	42	1.01	444	0.038	1	2.27	0.010	0.03	0.1	0.05	7.9	<0.1	<0.05	6	<0.5	<0.2
1378164	Soil	13	45	0.85	352	0.034	<1	1.95	0.008	0.03	0.1	0.04	6.0	<0.1	<0.05	6	<0.5	<0.2
1378165	Soil	13	46	1.17	222	0.043	<1	2.15	0.007	0.03	<0.1	0.03	8.2	<0.1	<0.05	5	<0.5	<0.2
1378166	Soil	6	26	2.25	345	0.041	<1	2.58	0.003	<0.01	<0.1	0.05	13.6	<0.1	<0.05	6	<0.5	0.2
1378167	Soil	11	6	1.42	75	0.043	<1	2.08	0.006	0.03	<0.1	0.03	8.6	<0.1	<0.05	4	0.7	0.3
1378168	Soil	13	35	1.07	232	0.038	1	1.79	0.010	0.03	0.1	0.04	6.3	<0.1	<0.05	4	<0.5	<0.2
1378169	Soil	14	28	1.02	290	0.030	<1	1.82	0.008	0.04	0.2	0.03	5.5	<0.1	<0.05	5	0.6	<0.2
1378170	Soil	13	28	0.96	310	0.029	<1	1.86	0.010	0.03	0.2	0.05	7.4	<0.1	<0.05	5	<0.5	<0.2
1378171	Soil	13	29	0.72	388	0.032	<1	1.74	0.013	0.04	0.2	0.04	5.2	<0.1	<0.05	5	<0.5	<0.2
1378172	Soil	12	33	0.70	314	0.030	<1	1.64	0.011	0.04	0.1	0.05	4.6	<0.1	<0.05	5	<0.5	<0.2
1378173	Soil	13	44	0.94	395	0.025	<1	1.85	0.010	0.03	0.2	0.03	6.9	<0.1	<0.05	5	<0.5	<0.2
1378174	Soil	14	33	0.80	407	0.034	<1	1.63	0.012	0.04	0.2	0.04	5.7	<0.1	<0.05	4	<0.5	<0.2
1378175	Soil	15	34	0.77	431	0.037	<1	1.68	0.013	0.04	0.2	0.04	5.7	<0.1	<0.05	5	<0.5	<0.2

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Page: 4 of 12

Part: 1 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			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
1378176	Soil		0.7	24.0	7.7	58	0.2	19.1	11.6	752	2.59	8.5	0.6	4.1	2.6	30	0.2	0.6	0.2	48	0.70	0.058
1378177	Soil		0.7	32.8	10.3	53	0.3	19.4	13.5	733	2.69	8.4	0.8	4.3	2.3	28	0.2	0.7	0.2	49	0.62	0.063
1378178	Soil		0.9	29.6	10.0	56	0.3	18.9	15.2	824	2.81	8.8	0.8	7.3	2.0	26	0.3	0.5	0.2	48	0.70	0.075
1378179	Soil		0.7	54.8	9.0	62	0.4	16.5	20.0	876	3.88	10.4	0.8	20.4	3.0	17	0.3	0.5	0.2	50	0.54	0.084
1378180	Soil		1.0	23.5	6.8	55	0.3	10.2	13.8	757	3.26	11.9	0.7	23.4	3.4	12	0.1	0.3	0.2	33	0.17	0.067
1378181	Soil		1.0	19.9	8.4	50	0.3	13.8	9.6	382	2.57	9.2	0.8	12.4	2.0	21	<0.1	0.5	0.3	35	0.37	0.064
1378182	Soil		1.7	62.8	13.4	107	0.8	11.2	12.5	776	3.32	24.2	1.0	27.3	3.1	33	0.6	0.3	0.4	22	0.61	0.096
1378183	Soil		1.9	32.7	13.3	65	0.3	18.5	10.7	389	2.61	11.6	0.9	13.6	2.6	21	0.3	0.4	0.2	36	0.56	0.083
1378184	Soil		1.0	17.4	13.3	76	0.3	16.6	9.5	366	3.06	25.2	0.7	4.4	3.1	19	0.1	0.2	<0.1	47	0.31	0.073
1378185	Soil		0.9	26.9	12.3	64	<0.1	18.1	9.1	329	2.68	11.7	1.0	3.0	0.7	11	0.4	0.2	0.2	51	0.14	0.057
1378186	Soil		0.8	28.8	13.3	82	0.3	26.3	13.9	383	3.38	21.2	0.8	2.2	2.2	16	0.1	0.3	0.2	61	0.22	0.050
1378187	Soil		1.2	19.2	7.9	84	0.2	17.8	13.9	592	2.90	18.4	0.6	4.4	1.8	32	0.2	0.2	<0.1	50	0.62	0.075
1378188	Soil		4.7	20.7	64.3	140	0.5	16.2	38.6	1326	4.30	31.5	0.4	15.0	2.2	26	0.3	0.6	0.2	45	0.47	0.091
1378189	Soil		0.8	46.6	21.5	91	0.8	16.5	24.3	817	4.18	12.5	0.8	20.8	2.9	23	0.7	0.5	0.4	38	0.38	0.060
1378190	Soil		1.3	89.4	16.2	86	1.3	18.6	29.6	1325	5.60	12.8	0.4	85.5	1.9	9	0.3	0.5	0.4	63	0.39	0.052
1378191	Soil		0.7	28.2	10.8	62	0.4	17.1	12.6	693	2.90	7.6	0.6	8.0	1.2	42	0.2	0.4	0.2	47	1.08	0.047
1365688	Soil		1.7	64.0	8.7	50	0.2	36.6	42.2	2359	4.18	12.2	0.7	6.2	1.9	2	0.1	0.6	0.7	40	0.06	0.044
1365689	Soil		0.3	9.7	3.9	21	<0.1	34.0	14.7	700	2.73	4.3	0.2	1.6	1.1	4	<0.1	0.2	<0.1	78	0.08	0.033
1365690	Soil		0.7	43.0	7.6	51	0.2	8.5	18.0	1446	3.50	20.3	0.6	13.9	3.8	4	0.1	0.6	0.5	21	0.12	0.082
1365691	Soil		1.0	58.3	10.3	42	0.3	26.8	28.2	1076	4.52	9.0	0.5	12.7	2.4	3	<0.1	0.8	0.2	58	0.05	0.032
1365680	Soil		1.1	39.1	8.3	88	0.2	11.7	17.0	504	4.56	4.8	0.9	6.6	4.6	6	<0.1	0.3	0.1	60	0.13	0.060
1365681	Soil		1.3	48.1	12.9	109	0.4	26.1	21.4	464	2.98	8.8	1.3	9.8	2.0	10	1.1	0.3	0.1	37	0.19	0.068
1365682	Soil		0.8	34.6	7.2	43	0.3	3.8	20.1	1714	5.38	21.5	1.0	15.0	4.6	4	0.2	0.4	0.6	23	0.16	0.107
1365683	Soil		0.8	77.7	6.0	62	0.6	4.5	25.1	1554	5.42	15.9	1.2	23.7	3.4	5	<0.1	0.3	0.5	31	0.17	0.123
1365684	Soil		0.5	11.7	5.2	56	0.6	8.7	14.2	665	3.73	10.8	1.3	42.2	5.4	3	0.3	0.2	0.5	10	0.09	0.075
1365685	Soil		0.6	47.9	6.9	104	0.3	4.2	21.5	1222	4.63	18.1	0.5	27.0	4.6	4	0.6	0.6	0.4	25	0.15	0.087
1365686	Soil		1.0	25.7	5.9	48	0.3	5.6	15.0	797	4.36	16.2	0.9	19.1	3.8	3	0.2	0.7	0.4	18	0.05	0.066
1365687	Soil		0.9	42.9	6.2	52	0.1	7.4	14.7	499	4.14	15.3	0.6	7.9	2.8	4	0.1	1.2	0.3	22	0.05	0.050
1264891	Soil		0.8	24.4	9.6	47	0.1	9.7	13.4	672	4.03	21.1	0.9	17.1	3.6	9	0.1	0.9	0.3	26	0.19	0.074
1264892	Soil		1.1	34.4	9.4	67	0.4	17.3	15.2	905	3.54	14.0	1.0	12.9	3.8	21	0.2	0.6	0.3	40	0.39	0.074

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Page: 4 of 12

Part: 2 of 1

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Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	ppm
MDL		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2	0.2
1378176	Soil	12	24	0.70	294	0.037	<1	1.45	0.012	0.05	0.3	0.07	4.3	<0.1	<0.05	4	<0.5	<0.2
1378177	Soil	13	26	0.73	341	0.035	<1	1.56	0.012	0.04	0.2	0.05	4.7	<0.1	<0.05	4	<0.5	<0.2
1378178	Soil	11	29	0.91	240	0.024	<1	1.61	0.009	0.03	0.1	0.03	5.0	<0.1	<0.05	4	0.5	<0.2
1378179	Soil	14	26	1.08	174	0.010	<1	1.94	0.005	0.02	<0.1	0.03	7.9	<0.1	<0.05	5	0.6	<0.2
1378180	Soil	15	12	0.95	217	0.017	<1	1.59	0.007	0.03	<0.1	0.04	4.3	<0.1	<0.05	4	<0.5	<0.2
1378181	Soil	12	19	0.61	228	0.021	<1	1.29	0.010	0.03	0.2	0.02	3.0	<0.1	<0.05	4	0.6	<0.2
1378182	Soil	12	12	0.77	200	0.010	<1	1.15	0.008	0.04	<0.1	0.03	3.2	<0.1	<0.05	3	0.8	0.2
1378183	Soil	13	25	1.00	200	0.016	<1	1.52	0.008	0.03	0.1	0.03	3.3	<0.1	<0.05	4	1.1	<0.2
1378184	Soil	10	32	1.70	138	0.025	<1	1.90	0.003	0.05	<0.1	0.02	5.2	<0.1	<0.05	6	0.7	<0.2
1378185	Soil	15	33	1.05	170	0.027	<1	1.73	0.005	0.06	<0.1	0.02	3.4	<0.1	<0.05	6	<0.5	<0.2
1378186	Soil	14	39	1.46	258	0.022	<1	2.25	0.006	0.06	<0.1	0.03	5.5	<0.1	<0.05	7	0.5	<0.2
1378187	Soil	8	37	1.74	152	0.019	1	1.82	0.004	0.04	<0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1378188	Soil	8	27	1.54	161	0.010	2	1.66	0.003	0.02	<0.1	0.25	3.8	<0.1	<0.05	5	0.7	<0.2
1378189	Soil	12	21	1.58	225	0.006	<1	1.88	0.008	0.02	<0.1	0.05	6.1	<0.1	0.08	4	1.2	<0.2
1378190	Soil	6	20	1.80	238	0.003	<1	2.11	0.004	0.01	<0.1	0.05	10.1	<0.1	0.17	5	1.7	<0.2
1378191	Soil	8	29	0.80	277	0.020	1	1.45	0.006	0.03	0.1	0.04	5.1	<0.1	0.06	5	0.7	<0.2
1365688	Soil	7	74	1.61	92	0.075	<1	1.98	0.002	<0.01	<0.1	0.03	7.6	<0.1	<0.05	4	<0.5	0.2
1365689	Soil	2	98	1.86	36	0.042	<1	2.09	0.002	<0.01	<0.1	0.02	7.7	<0.1	<0.05	5	<0.5	<0.2
1365690	Soil	11	8	0.80	51	0.024	<1	1.61	0.002	0.02	0.1	0.01	3.0	<0.1	<0.05	4	0.5	0.5
1365691	Soil	6	39	1.47	112	0.104	<1	2.07	0.002	0.01	<0.1	0.02	7.9	<0.1	<0.05	5	<0.5	<0.2
1365680	Soil	19	22	2.02	212	0.009	<1	2.56	0.004	0.02	<0.1	0.03	7.5	<0.1	<0.05	8	<0.5	<0.2
1365681	Soil	33	32	1.10	275	0.010	<1	1.71	0.006	0.02	<0.1	0.04	2.8	<0.1	<0.05	5	0.8	<0.2
1365682	Soil	37	2	0.97	79	0.004	<1	1.44	0.002	0.02	<0.1	0.02	5.2	<0.1	<0.05	4	1.2	<0.2
1365683	Soil	14	2	1.26	103	0.004	<1	1.82	0.002	0.02	<0.1	0.02	5.1	<0.1	<0.05	4	1.0	<0.2
1365684	Soil	12	6	0.58	65	0.005	<1	0.84	0.003	0.02	<0.1	0.03	3.2	<0.1	<0.05	2	0.9	<0.2
1365685	Soil	17	4	1.07	59	0.005	<1	1.51	0.001	0.01	<0.1	0.03	6.3	<0.1	<0.05	5	0.7	0.3
1365686	Soil	19	6	0.76	60	0.007	<1	1.15	0.003	0.02	<0.1	0.05	3.4	<0.1	<0.05	3	0.7	0.3
1365687	Soil	6	9	0.77	69	0.052	<1	1.51	0.003	0.02	<0.1	0.02	2.5	0.2	<0.05	4	<0.5	<0.2
1264891	Soil	15	11	0.70	132	0.016	<1	1.28	0.003	0.02	<0.1	0.03	4.6	<0.1	<0.05	3	<0.5	0.3
1264892	Soil	17	19	0.66	295	0.027	<1	1.49	0.009	0.04	0.2	0.03	4.9	<0.1	<0.05	4	<0.5	<0.2



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Project: KSD  
 Report Date: July 26, 2013

Page: 5 of 12

Part: 1 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			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
1264893	Soil		0.9	38.5	8.2	48	0.3	15.3	13.2	835	2.75	7.0	1.6	13.8	2.4	36	0.1	0.5	0.3	40	1.19	0.053
1264894	Soil		0.8	41.7	11.2	79	0.5	8.6	14.1	685	4.30	13.3	0.7	273.7	3.5	10	0.1	0.3	0.3	31	0.17	0.078
1264895	Soil		1.3	59.3	20.3	160	0.6	16.6	22.1	909	4.07	11.2	1.0	16.7	4.7	13	0.9	0.3	0.2	55	0.30	0.061
1264896	Soil		0.9	22.0	15.7	83	0.3	18.1	12.8	618	2.79	16.4	1.6	6.3	3.9	47	0.5	0.2	0.1	46	0.84	0.068
1264897	Soil		1.2	26.1	12.5	79	0.3	22.9	15.1	753	3.14	57.6	1.5	3.2	3.9	46	0.4	0.3	0.1	47	0.72	0.080
1264898	Soil		1.3	41.4	13.8	82	0.4	13.1	11.2	439	3.52	13.5	0.9	18.6	3.5	19	0.2	0.4	0.3	38	0.32	0.078
1264899	Soil		3.8	106.5	17.5	48	2.6	11.8	7.8	444	3.83	31.1	0.6	31.6	6.6	55	0.4	0.7	0.9	8	0.17	0.072
1264900	Soil		1.3	30.3	8.6	59	0.3	16.0	13.0	706	3.43	12.7	0.8	10.8	2.1	21	0.2	0.6	0.3	37	0.51	0.072
1264901	Rock Pulp		1.3	430.7	22.0	171	0.2	204.2	71.3	806	16.43	3.5	1.1	34.5	6.9	16	0.1	0.4	0.2	206	0.29	0.042
1264902	Soil		0.7	25.7	7.6	54	0.2	14.6	10.5	426	2.92	9.9	1.0	9.1	3.1	18	<0.1	0.6	0.2	37	0.28	0.071
1264903	Soil		0.5	47.5	9.3	58	0.4	7.5	23.1	1061	5.04	20.9	1.0	90.0	4.5	6	0.2	0.5	0.4	19	0.16	0.084
1264904	Soil		0.5	44.0	9.6	55	0.5	16.3	19.4	786	4.03	10.9	0.4	81.0	2.2	16	0.1	0.4	0.3	44	0.29	0.063
1365692	Soil		0.6	86.4	8.4	39	0.3	36.8	22.6	1315	3.63	8.1	0.3	4.8	1.6	3	<0.1	0.5	0.3	69	0.08	0.036
1365693	Soil		0.3	105.2	7.9	40	0.4	13.2	22.7	2033	3.98	6.5	0.1	162.0	1.4	5	0.3	0.3	0.2	38	0.13	0.054
1365694	Soil		0.3	374.7	11.1	48	2.1	39.7	36.9	2194	4.42	7.5	0.3	15.2	2.0	3	0.1	0.4	0.9	69	0.06	0.048
1365695	Soil		2.1	32.3	17.3	46	0.2	38.2	29.6	2388	5.28	14.6	0.4	4.8	1.9	3	0.2	0.4	0.5	66	0.07	0.054
1365696	Soil		0.2	104.1	8.4	61	0.2	42.6	28.1	1469	4.39	6.9	0.4	8.2	2.0	5	0.2	0.5	0.2	79	0.13	0.036
1365697	Soil		0.2	61.5	9.0	31	0.2	28.4	22.6	1299	3.45	3.4	0.2	4.9	1.2	3	0.1	0.3	0.2	48	0.11	0.066
1365698	Soil		1.9	54.6	8.7	69	0.3	3.6	20.4	1377	4.60	24.7	0.5	39.9	4.3	3	0.3	1.4	1.4	11	0.17	0.118
1365699	Soil		1.2	63.5	10.7	61	0.4	14.4	24.2	916	4.38	11.6	0.6	21.6	2.2	6	0.1	0.8	0.4	54	0.07	0.034
1365700	Soil		1.3	39.1	9.0	48	0.3	13.5	21.4	980	4.49	21.3	0.5	21.5	3.1	9	<0.1	0.6	0.7	31	0.28	0.129
1264890	Soil		0.4	53.9	11.6	32	0.5	55.4	34.2	1755	3.65	5.6	0.2	14.3	1.9	5	0.1	0.3	0.2	84	0.14	0.055
1278787	Soil		1.3	19.9	9.4	75	0.2	16.7	7.6	322	3.24	21.0	0.5	3.9	4.0	7	0.2	0.3	0.1	45	0.09	0.026
1278790	Soil		0.2	119.7	5.2	36	0.4	23.5	33.4	1416	3.86	7.9	0.1	12.2	0.9	4	<0.1	0.4	0.2	43	0.13	0.035
1278791	Soil		0.3	68.8	4.3	45	0.2	14.6	27.6	1229	4.09	6.0	0.3	11.8	0.9	4	<0.1	0.3	0.2	51	0.09	0.042
1278792	Soil		0.5	51.6	4.5	44	0.3	10.8	27.3	1045	4.08	6.9	0.4	16.6	0.6	2	0.2	0.4	0.4	45	0.07	0.040
1278793	Soil		0.5	32.3	4.2	43	0.3	2.6	13.1	704	3.83	8.9	1.3	12.0	5.5	3	0.1	0.7	0.3	13	0.12	0.091
1278796	Soil		1.1	39.0	6.4	51	0.3	3.4	23.8	1474	5.62	18.0	0.9	74.9	4.4	2	<0.1	0.3	0.5	25	0.07	0.109
1278797	Soil		1.2	25.3	10.7	78	<0.1	20.7	7.1	281	3.18	25.1	0.7	3.8	4.3	14	<0.1	0.2	0.1	40	0.19	0.075
1278798	Soil		1.0	23.1	9.9	67	0.2	21.2	11.4	340	2.99	15.8	0.6	3.5	3.8	9	0.1	0.4	<0.1	52	0.12	0.024

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.





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Project: KSD  
 Report Date: July 26, 2013

Page: 5 of 12

Part: 2 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
			ppm	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm		
			1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.05	1	0.5	0.2	
1264893	Soil		13	22	0.53	265	0.020	<1	1.58	0.008	0.03	0.1	0.03	4.3	<0.1	0.10	5	0.7	<0.2
1264894	Soil		14	9	1.23	174	0.007	<1	1.64	0.005	0.03	<0.1	0.03	3.9	<0.1	<0.05	4	0.9	<0.2
1264895	Soil		17	25	1.95	242	0.006	<1	2.38	0.003	0.02	<0.1	0.12	6.9	<0.1	<0.05	6	0.6	<0.2
1264896	Soil		18	26	1.43	469	0.004	<1	1.86	0.003	0.05	<0.1	0.05	5.7	<0.1	0.06	6	0.8	<0.2
1264897	Soil		15	34	1.69	184	0.012	<1	1.81	0.004	0.05	<0.1	0.03	6.0	<0.1	0.06	5	<0.5	<0.2
1264898	Soil		13	16	1.17	233	0.015	<1	1.67	0.006	0.03	0.1	0.03	3.5	<0.1	<0.05	5	1.1	<0.2
1264899	Soil		12	8	0.50	208	0.002	<1	0.70	0.052	0.16	<0.1	0.02	1.9	<0.1	0.47	2	1.1	0.3
1264900	Soil		11	20	0.54	259	0.020	<1	1.28	0.006	0.03	0.2	0.04	3.1	<0.1	<0.05	4	0.5	<0.2
1264901	Rock Pulp		17	623	0.12	149	0.154	4	3.74	0.011	0.07	<0.1	0.03	39.1	<0.1	<0.05	21	<0.5	<0.2
1264902	Soil		15	18	0.63	269	0.026	<1	1.39	0.007	0.03	0.2	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
1264903	Soil		22	5	0.75	119	0.006	<1	1.34	0.003	0.02	<0.1	0.04	7.8	<0.1	<0.05	4	<0.5	<0.2
1264904	Soil		12	19	1.32	267	0.018	<1	1.68	0.004	0.02	0.1	0.03	5.1	<0.1	<0.05	5	0.6	<0.2
1365692	Soil		9	91	1.78	88	0.057	<1	2.03	0.001	<0.01	<0.1	0.02	11.4	<0.1	<0.05	5	<0.5	<0.2
1365693	Soil		6	21	1.19	166	0.004	<1	1.38	0.001	<0.01	<0.1	0.04	9.5	<0.1	0.10	4	<0.5	<0.2
1365694	Soil		11	81	1.92	125	0.007	<1	1.90	<0.001	<0.01	<0.1	0.05	16.2	<0.1	<0.05	5	1.0	0.2
1365695	Soil		8	73	2.16	140	0.005	<1	2.09	0.002	<0.01	<0.1	<0.01	10.2	<0.1	<0.05	5	1.1	<0.2
1365696	Soil		10	98	2.10	281	0.024	<1	2.27	0.002	<0.01	<0.1	0.04	14.9	<0.1	<0.05	7	<0.5	<0.2
1365697	Soil		4	71	1.55	96	0.023	<1	1.65	<0.001	<0.01	<0.1	<0.01	7.8	<0.1	<0.05	5	<0.5	<0.2
1365698	Soil		12	4	0.78	31	0.009	2	1.33	0.003	<0.01	<0.1	0.04	3.7	0.1	<0.05	3	1.6	0.9
1365699	Soil		10	21	1.27	133	0.055	3	1.93	0.003	0.02	<0.1	0.05	6.8	<0.1	<0.05	5	<0.5	0.2
1365700	Soil		14	20	1.08	131	0.015	2	1.63	0.004	0.03	<0.1	0.03	5.3	<0.1	<0.05	4	0.6	<0.2
1264890	Soil		14	126	2.00	119	0.010	2	2.07	0.002	<0.01	<0.1	0.05	20.5	<0.1	<0.05	5	<0.5	<0.2
1278787	Soil		17	23	1.32	174	0.042	3	1.87	0.003	0.05	<0.1	0.02	3.2	<0.1	<0.05	6	<0.5	<0.2
1278790	Soil		3	43	1.56	104	0.026	2	1.64	0.001	<0.01	<0.1	0.04	6.3	<0.1	<0.05	4	<0.5	<0.2
1278791	Soil		5	18	1.48	57	0.047	<1	1.83	0.002	<0.01	<0.1	0.05	7.9	<0.1	<0.05	5	<0.5	<0.2
1278792	Soil		4	10	1.41	31	0.115	2	1.46	0.001	<0.01	<0.1	0.03	5.2	<0.1	<0.05	4	<0.5	<0.2
1278793	Soil		28	3	0.88	42	0.019	1	1.19	0.003	0.02	<0.1	0.06	4.0	<0.1	<0.05	3	<0.5	<0.2
1278796	Soil		15	2	1.08	54	0.004	1	1.64	0.002	0.01	<0.1	<0.01	4.6	<0.1	<0.05	4	<0.5	<0.2
1278797	Soil		19	26	1.42	162	0.032	2	1.77	0.004	0.08	<0.1	0.02	3.1	<0.1	<0.05	5	<0.5	<0.2
1278798	Soil		11	26	1.12	293	0.051	<1	1.82	0.004	0.03	0.1	0.02	5.1	<0.1	<0.05	6	<0.5	<0.2

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# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	ppb	ppm	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
1278799	Soil	1.3	41.4	9.8	86	<0.1	31.1	13.4	552	3.96	7.8	1.6	2.7	5.9	27	0.1	0.3	<0.1	53	0.28	0.093
1278800	Soil	2.0	44.6	9.3	85	<0.1	31.9	12.0	393	3.73	8.4	2.3	1.2	8.2	23	<0.1	0.2	<0.1	44	0.22	0.071
1378002	Soil	1.2	44.0	24.1	108	0.5	17.6	14.3	497	3.99	35.7	1.0	18.0	3.9	19	0.3	0.6	0.2	53	0.22	0.047
1378003	Soil	1.1	33.4	18.3	101	0.2	17.5	11.5	423	3.53	40.9	0.7	53.7	4.0	16	0.1	0.8	0.2	47	0.22	0.055
1378004	Soil	1.2	34.3	21.8	84	0.3	18.8	10.5	398	3.23	29.4	0.8	38.1	4.0	19	<0.1	0.8	0.2	47	0.26	0.051
1378005	Soil	0.6	30.7	16.4	98	0.3	16.5	10.1	366	3.49	38.2	0.9	29.9	4.7	19	0.3	0.5	0.1	44	0.32	0.067
1378006	Soil	1.0	33.8	24.4	101	0.2	14.3	10.7	482	3.82	39.3	1.3	35.3	4.1	12	0.1	0.6	0.2	52	0.17	0.048
1399742	Soil	1.1	65.4	20.9	163	0.4	26.2	12.8	518	4.71	20.0	0.9	13.3	3.9	14	0.2	0.7	0.2	64	0.18	0.034
1399743	Soil	1.1	38.8	28.2	132	0.3	22.1	12.1	416	3.51	25.3	1.1	18.4	5.1	23	0.3	0.7	0.2	50	0.31	0.051
1399744	Soil	1.4	36.0	27.8	116	0.3	23.7	12.4	458	3.39	25.1	0.9	85.3	5.0	20	0.3	0.9	0.2	48	0.28	0.050
1399745	Soil	1.4	38.9	43.4	119	0.4	21.0	14.3	839	3.71	47.7	1.2	21.5	4.9	22	0.3	0.8	0.2	46	0.30	0.056
1399746	Soil	1.0	40.1	30.1	105	0.4	18.4	14.2	494	3.78	42.3	0.9	21.8	4.7	20	0.2	0.6	0.2	53	0.27	0.052
1399747	Soil	0.8	29.2	15.6	88	0.2	17.8	9.6	367	3.08	22.9	0.7	14.6	3.4	16	0.2	0.5	0.2	48	0.21	0.054
1399748	Soil	1.1	40.9	20.8	101	0.4	20.1	12.9	428	3.66	32.6	0.8	16.0	4.2	20	0.2	0.6	0.2	51	0.23	0.045
1399749	Soil	0.9	32.8	18.8	102	0.2	16.4	9.7	393	3.20	35.6	0.9	11.9	4.4	15	0.3	0.6	0.2	42	0.20	0.053
1399750	Soil	0.9	37.8	20.7	100	0.3	17.1	10.7	376	3.59	33.5	0.9	13.7	4.1	17	0.2	0.6	0.2	50	0.24	0.048
1378021	Soil	0.9	27.8	16.0	90	0.2	18.3	10.1	374	3.25	70.5	0.7	114.7	3.9	13	0.1	0.5	0.2	48	0.17	0.042
1378022	Soil	1.2	32.3	16.5	97	0.2	18.5	10.6	437	3.48	94.0	0.8	44.3	3.9	16	0.2	0.5	0.2	49	0.20	0.048
1378023	Soil	1.0	34.9	19.4	102	0.3	17.1	11.8	465	3.61	72.1	0.8	17.3	3.9	15	0.2	0.5	0.2	48	0.19	0.057
1378024	Soil	1.2	31.7	20.6	84	0.3	15.4	12.3	467	3.16	38.2	0.8	320.5	1.7	13	0.2	0.5	0.1	43	0.18	0.064
1378025	Soil	1.1	29.1	20.3	82	0.4	15.1	16.6	742	3.22	38.6	0.9	25.9	1.7	12	0.2	0.5	0.2	45	0.16	0.063
1378026	Soil	2.5	43.8	33.2	181	0.5	27.2	9.2	501	3.63	143.3	1.1	10.5	4.9	11	0.7	0.8	0.3	42	0.07	0.042
1378027	Soil	0.6	81.9	14.8	153	0.7	20.0	15.9	948	4.66	12.4	0.5	130.8	3.8	10	0.6	0.5	0.2	52	0.20	0.033
1378028	Soil	0.7	127.0	14.1	70	0.9	27.5	22.6	1626	4.80	9.6	0.3	235.0	2.5	9	0.3	0.3	0.3	81	0.27	0.038
1378029	Soil	0.5	86.5	10.6	79	0.6	24.5	19.6	1225	4.94	8.1	0.4	32.7	1.9	16	0.3	0.3	0.4	86	0.67	0.051
1378030	Soil	0.6	20.9	26.9	95	0.3	14.2	6.2	221	2.63	10.5	0.6	11.2	2.4	20	0.2	0.4	0.2	46	0.22	0.068
1378031	Soil	0.7	24.0	11.0	87	0.2	18.9	10.7	338	2.88	9.3	1.1	1.1	3.9	31	0.3	0.3	0.1	41	0.67	0.081
1378032	Soil	0.4	35.0	17.0	94	0.2	26.6	14.2	413	3.99	32.9	0.6	5.1	5.2	25	0.3	0.2	0.2	57	0.49	0.078
1378001	Rock Pulp	1.2	423.1	21.5	170	0.2	202.6	71.4	810	16.56	3.0	1.1	29.9	7.0	15	<0.1	0.4	0.1	216	0.28	0.043
1378007	Soil	0.7	33.0	18.5	114	0.2	16.6	11.9	506	3.54	24.1	0.8	11.6	3.5	15	0.2	0.4	0.2	47	0.20	0.044



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Project: KSD  
 Report Date: July 26, 2013

Page: 6 of 12

Part: 2 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

	Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5
1278799	Soil	18	32	1.75	123	0.093	<1	1.96	0.003	0.09	<0.1	<0.01	4.4	0.1	<0.05	6	0.7	<0.2
1278800	Soil	13	26	1.69	141	0.122	<1	1.90	0.002	0.28	<0.1	0.02	3.5	0.3	<0.05	6	0.8	<0.2
1378002	Soil	13	24	1.12	335	0.042	1	2.12	0.005	0.03	<0.1	0.03	5.4	<0.1	<0.05	6	<0.5	<0.2
1378003	Soil	13	23	0.99	280	0.037	2	1.86	0.010	0.03	0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2
1378004	Soil	13	25	0.76	319	0.038	<1	1.67	0.007	0.03	0.1	0.03	4.8	<0.1	<0.05	5	<0.5	<0.2
1378005	Soil	13	24	1.07	248	0.030	1	1.84	0.007	0.05	<0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
1378006	Soil	12	22	1.13	280	0.032	<1	2.01	0.004	0.03	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
1399742	Soil	11	29	1.39	373	0.025	1	2.40	0.007	0.03	<0.1	0.05	8.3	<0.1	<0.05	6	<0.5	<0.2
1399743	Soil	15	27	0.79	440	0.045	<1	1.87	0.009	0.04	0.1	0.06	5.4	<0.1	<0.05	5	0.6	<0.2
1399744	Soil	15	29	0.71	410	0.046	<1	1.77	0.007	0.04	0.2	0.05	5.1	<0.1	<0.05	5	0.7	<0.2
1399745	Soil	14	24	0.77	395	0.039	<1	1.83	0.007	0.05	0.1	0.04	4.6	<0.1	<0.05	5	<0.5	<0.2
1399746	Soil	13	23	1.13	343	0.043	1	2.14	0.006	0.03	<0.1	0.02	5.4	<0.1	<0.05	5	0.5	<0.2
1399747	Soil	13	24	0.80	248	0.042	<1	1.76	0.006	0.04	0.1	0.02	4.4	<0.1	<0.05	5	<0.5	<0.2
1399748	Soil	14	24	1.09	297	0.042	<1	2.01	0.009	0.04	<0.1	0.04	5.4	<0.1	<0.05	5	<0.5	<0.2
1399749	Soil	14	24	1.04	226	0.035	1	1.76	0.005	0.03	0.1	0.01	4.7	<0.1	<0.05	5	<0.5	<0.2
1399750	Soil	14	22	1.11	294	0.037	<1	1.94	0.005	0.03	0.1	0.04	5.3	<0.1	<0.05	6	<0.5	<0.2
1378021	Soil	12	26	0.98	216	0.038	1	1.91	0.005	0.03	0.1	0.02	3.9	<0.1	<0.05	5	<0.5	<0.2
1378022	Soil	12	27	1.16	212	0.040	<1	1.92	0.004	0.03	<0.1	<0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
1378023	Soil	13	24	1.17	245	0.034	<1	1.99	0.004	0.03	0.1	0.02	4.6	<0.1	<0.05	6	<0.5	<0.2
1378024	Soil	11	23	0.86	193	0.025	<1	1.77	0.004	0.03	0.1	0.03	3.2	<0.1	<0.05	5	<0.5	<0.2
1378025	Soil	11	22	0.90	208	0.026	1	1.81	0.005	0.03	0.1	0.03	3.5	<0.1	<0.05	5	0.7	<0.2
1378026	Soil	14	27	1.11	140	0.028	<1	2.04	0.003	0.03	<0.1	0.03	3.4	<0.1	<0.05	6	0.6	<0.2
1378027	Soil	9	29	1.26	165	0.006	<1	2.02	0.003	0.03	<0.1	0.03	9.3	<0.1	<0.05	6	<0.5	<0.2
1378028	Soil	10	48	1.90	135	0.010	<1	2.49	0.003	0.02	<0.1	0.03	13.7	<0.1	<0.05	6	0.8	<0.2
1378029	Soil	7	59	2.31	146	0.006	2	2.78	0.003	0.01	<0.1	0.01	11.5	<0.1	<0.05	7	<0.5	<0.2
1378030	Soil	10	22	1.05	141	0.022	2	1.60	0.005	0.04	0.1	0.20	2.9	<0.1	<0.05	5	<0.5	<0.2
1378031	Soil	18	19	0.98	258	0.013	2	1.29	0.005	0.06	<0.1	0.03	6.1	<0.1	<0.05	4	<0.5	<0.2
1378032	Soil	20	33	1.95	138	0.036	1	1.90	0.003	0.07	<0.1	0.01	6.4	<0.1	<0.05	6	<0.5	<0.2
1378001	Rock Pulp	17	640	0.12	145	0.153	5	3.71	0.011	0.06	<0.1	0.04	39.0	<0.1	<0.05	20	<0.5	<0.2
1378007	Soil	10	22	1.15	298	0.032	<1	1.79	0.004	0.02	<0.1	0.03	4.7	<0.1	<0.05	5	<0.5	<0.2

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.



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Page: 7 of 12

Part: 1 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			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
1378008	Soil		1.1	36.6	19.0	178	0.3	12.0	9.1	660	4.42	10.6	0.5	23.9	3.3	7	0.5	0.4	0.4	21	0.07	0.051
1378009	Soil		0.6	132.1	7.6	80	0.6	33.9	22.0	974	4.43	9.7	0.2	62.3	3.3	9	0.2	0.3	0.6	51	0.49	0.060
1378010	Soil		0.7	90.8	9.5	60	0.5	25.1	19.1	957	3.73	8.6	0.6	15.6	3.5	32	0.2	0.2	0.5	47	0.88	0.037
1378011	Soil		0.8	23.0	12.2	78	0.2	17.7	9.5	303	2.80	7.9	1.2	1.0	5.1	36	0.2	0.2	0.1	39	0.56	0.105
1378012	Soil		0.5	23.5	12.0	83	0.1	19.3	10.2	285	2.88	6.1	0.8	<0.5	5.7	31	0.2	0.2	0.1	39	0.42	0.108
1378013	Soil		0.6	29.2	12.5	83	0.2	17.6	12.1	448	3.26	10.2	0.8	3.8	4.2	28	0.2	0.3	<0.1	49	0.47	0.079
1378014	Soil		0.5	25.0	11.0	91	0.4	10.5	12.5	606	3.83	29.4	0.8	11.1	4.7	17	0.5	0.3	0.2	28	0.36	0.067
1378015	Soil		0.9	27.9	10.2	132	0.3	13.5	13.7	1117	4.38	13.8	0.6	12.6	5.4	17	0.5	0.4	0.3	18	0.29	0.083
1378016	Soil		0.4	36.1	227.4	238	0.3	15.7	27.8	387	5.45	11.1	0.8	2.1	1.2	11	0.7	0.6	0.4	49	0.22	0.060
1378017	Soil		0.6	28.2	14.4	90	0.2	16.4	8.6	358	3.03	48.4	0.8	12.2	4.6	18	0.2	0.6	0.1	40	0.30	0.058
1399107	Soil		0.8	145.0	11.5	154	1.4	32.4	24.4	1382	5.59	38.4	0.4	15.8	3.4	7	1.4	0.6	1.2	86	0.21	0.064
1399108	Soil		2.2	115.0	47.7	140	2.5	14.5	23.5	1049	5.04	42.6	0.5	66.8	6.2	14	1.7	1.0	6.2	52	0.25	0.096
1399109	Soil		0.3	210.4	10.7	117	1.1	18.2	32.2	1909	5.59	27.7	0.4	14.5	3.0	5	1.5	0.6	0.7	66	0.17	0.067
1399110	Soil		0.3	104.7	7.0	113	0.7	19.2	24.6	1730	4.54	8.2	0.2	8.3	1.6	5	2.2	0.3	0.2	82	0.15	0.044
1399111	Soil		0.6	340.1	6.9	55	1.6	13.1	30.7	1447	5.53	32.9	0.4	26.3	2.1	5	0.1	0.7	0.9	69	0.16	0.070
1399112	Soil		0.3	187.8	5.2	50	0.6	9.5	27.7	1956	5.57	11.1	0.1	13.8	1.0	5	0.2	0.4	0.4	82	0.22	0.058
1399113	Soil		0.4	94.3	4.1	72	0.5	91.7	25.8	1413	4.16	7.5	0.1	7.2	1.3	10	0.5	0.3	0.2	77	0.55	0.086
1399114	Soil		0.7	44.1	5.9	42	0.3	6.7	15.5	1130	4.00	21.6	0.4	7.1	4.4	5	<0.1	0.6	0.8	24	0.26	0.119
1399115	Soil		0.6	49.2	9.4	48	0.4	7.5	14.0	1065	3.87	15.9	0.6	9.0	4.2	5	0.1	0.4	0.7	28	0.21	0.093
1399116	Soil		0.7	34.7	4.8	43	0.2	4.7	13.6	787	3.79	13.1	0.9	10.3	4.3	3	<0.1	0.3	0.5	23	0.07	0.056
1399117	Soil		0.9	38.5	8.0	37	0.1	6.9	14.9	1091	3.81	14.4	1.0	9.8	5.3	5	<0.1	0.5	0.3	25	0.12	0.079
1399118	Soil		0.8	28.5	4.4	38	0.2	5.2	11.7	574	3.91	12.0	0.9	9.4	5.4	4	<0.1	0.2	0.4	20	0.08	0.065
1399119	Soil		0.6	49.6	5.0	54	0.3	3.0	17.5	804	4.81	11.8	0.8	46.6	5.0	5	0.2	0.2	0.4	19	0.19	0.110
1399120	Soil		0.6	52.5	7.3	61	0.3	3.8	15.1	915	5.01	14.9	1.0	41.4	4.0	3	0.2	0.2	0.4	20	0.08	0.093
1399121	Soil		1.1	29.3	5.2	36	0.4	9.2	17.7	758	4.05	9.1	0.9	42.6	6.0	5	<0.1	0.2	0.4	21	0.19	0.095
1399122	Soil		0.8	61.5	5.7	36	0.6	4.7	21.1	1278	4.16	14.9	1.1	5.7	6.5	5	<0.1	0.3	0.9	19	0.21	0.129
1399123	Soil		0.9	58.7	5.6	46	0.3	3.6	19.8	1425	4.87	24.3	0.4	12.5	6.1	6	0.1	0.4	0.8	28	0.36	0.151
1399124	Soil		1.0	124.3	8.7	85	1.2	4.4	19.0	1268	5.94	40.8	0.6	8.3	5.2	5	0.3	0.6	1.5	34	0.31	0.136
1399125	Soil		1.3	113.5	8.7	76	1.2	4.7	19.8	1228	5.91	43.2	0.8	12.6	5.3	5	0.2	0.6	1.6	34	0.31	0.130
1399126	Soil		0.4	294.2	6.0	48	1.6	13.2	35.7	1446	6.09	22.1	0.3	10.4	1.1	6	<0.1	0.4	0.5	83	0.25	0.076



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Page: 7 of 12

Part: 2 of 1

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		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.05	1	0.5	0.2
1378008	Soil	7	12	0.96	109	0.004	<1	1.32	0.003	0.01	<0.1	0.05	4.4	<0.1	<0.05	4	<0.5	<0.2
1378009	Soil	10	66	2.09	46	0.004	<1	2.28	0.002	0.02	<0.1	0.01	6.5	<0.1	0.06	5	0.9	<0.2
1378010	Soil	11	53	1.71	54	0.002	1	1.94	0.003	0.01	<0.1	<0.01	6.6	<0.1	0.06	5	1.3	<0.2
1378011	Soil	19	24	1.39	184	0.043	<1	1.46	0.004	0.08	0.1	0.02	5.0	<0.1	<0.05	5	<0.5	<0.2
1378012	Soil	18	22	1.29	139	0.060	<1	1.44	0.003	0.10	<0.1	0.01	4.4	0.1	<0.05	5	<0.5	<0.2
1378013	Soil	16	22	1.24	179	0.034	<1	1.58	0.004	0.06	<0.1	0.02	4.6	<0.1	<0.05	5	<0.5	<0.2
1378014	Soil	10	12	1.19	155	0.003	<1	1.68	0.004	0.03	<0.1	0.02	4.2	<0.1	<0.05	4	<0.5	<0.2
1378015	Soil	11	8	0.78	347	<0.001	1	1.28	0.003	0.03	<0.1	0.02	2.9	<0.1	<0.05	3	<0.5	<0.2
1378016	Soil	3	11	1.47	120	0.001	<1	1.95	0.003	0.02	<0.1	0.02	4.3	<0.1	<0.05	5	1.0	0.3
1378017	Soil	14	22	0.94	321	0.031	<1	1.62	0.005	0.04	<0.1	0.03	5.4	<0.1	<0.05	5	<0.5	<0.2
1399107	Soil	24	63	2.07	120	0.006	<1	2.33	0.001	0.01	<0.1	0.14	13.6	<0.1	<0.05	7	1.5	0.4
1399108	Soil	32	13	1.79	97	0.006	<1	1.93	0.002	0.02	<0.1	0.07	5.9	<0.1	<0.05	6	3.8	2.4
1399109	Soil	17	22	2.16	98	0.004	<1	2.52	0.004	0.01	<0.1	0.06	11.6	<0.1	<0.05	6	1.1	<0.2
1399110	Soil	16	23	2.17	79	0.008	<1	2.45	0.001	<0.01	<0.1	0.03	14.7	<0.1	<0.05	6	<0.5	<0.2
1399111	Soil	17	18	1.79	82	0.013	<1	2.09	0.002	<0.01	<0.1	0.06	10.0	<0.1	<0.05	6	<0.5	<0.2
1399112	Soil	13	7	1.80	111	0.012	<1	2.40	<0.001	0.01	<0.1	0.03	13.9	<0.1	<0.05	7	<0.5	<0.2
1399113	Soil	12	268	2.55	61	0.014	<1	2.61	0.001	0.01	<0.1	0.03	12.6	<0.1	<0.05	6	<0.5	<0.2
1399114	Soil	23	13	1.15	71	0.004	<1	1.53	0.002	0.02	<0.1	0.05	4.5	<0.1	<0.05	4	1.0	<0.2
1399115	Soil	19	12	1.11	92	0.006	<1	1.49	0.002	0.02	<0.1	0.04	4.7	<0.1	<0.05	4	<0.5	0.3
1399116	Soil	21	5	1.00	76	0.006	<1	1.47	0.001	0.01	<0.1	0.03	4.2	<0.1	<0.05	4	<0.5	<0.2
1399117	Soil	27	7	1.16	127	0.006	<1	1.50	0.002	0.02	<0.1	0.04	4.7	<0.1	<0.05	4	0.5	<0.2
1399118	Soil	22	5	0.95	70	0.003	<1	1.28	0.002	0.02	<0.1	0.04	4.6	<0.1	<0.05	3	0.6	<0.2
1399119	Soil	8	2	0.83	118	0.003	<1	1.28	0.002	0.02	<0.1	0.05	5.0	<0.1	<0.05	4	<0.5	<0.2
1399120	Soil	13	3	0.86	126	0.005	<1	1.38	0.002	0.02	<0.1	0.03	5.4	<0.1	<0.05	4	0.7	<0.2
1399121	Soil	17	7	1.25	120	0.002	<1	1.45	0.002	0.03	<0.1	0.04	4.5	<0.1	<0.05	4	<0.5	<0.2
1399122	Soil	32	4	1.48	60	0.003	<1	1.58	<0.001	0.01	<0.1	0.02	2.5	<0.1	<0.05	4	0.9	<0.2
1399123	Soil	41	3	1.38	76	0.003	<1	1.97	0.002	0.02	<0.1	0.07	5.6	<0.1	<0.05	5	0.7	<0.2
1399124	Soil	27	4	1.41	80	0.011	<1	2.20	0.003	0.02	<0.1	0.04	4.7	<0.1	<0.05	6	0.6	0.7
1399125	Soil	27	5	1.45	90	0.019	<1	2.29	0.002	0.02	<0.1	0.06	4.8	<0.1	<0.05	6	<0.5	0.8
1399126	Soil	6	17	1.96	87	0.025	<1	2.40	0.002	0.02	<0.1	0.03	8.7	<0.1	<0.05	6	1.1	0.2

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 Vancouver BC V6E 3T5 CANADA

Project: KSD  
 Report Date: July 26, 2013

Page: 8 of 12

Part: 1 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			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
1399127	Soil		1.6	331.4	5.0	81	0.8	15.7	37.1	2161	7.02	17.8	0.4	35.6	1.3	7	0.5	0.5	0.6	118	0.25	0.072
1399128	Soil		0.4	211.4	10.4	108	1.3	11.1	32.0	2109	5.26	11.8	0.1	7.4	1.4	9	1.2	0.3	0.7	100	0.32	0.057
1399129	Soil		0.7	163.6	13.5	56	1.5	10.9	45.8	1419	6.23	24.3	0.6	15.2	1.8	6	0.5	0.6	2.5	80	0.19	0.081
1399130	Soil		0.9	148.3	11.6	132	1.2	10.1	32.0	929	5.37	42.8	0.3	91.4	1.7	8	1.5	0.7	0.8	89	0.21	0.078
1399131	Soil		0.9	89.8	18.9	44	2.8	32.0	21.4	703	5.14	199.1	0.8	93.0	9.7	19	0.4	1.0	2.5	44	0.40	0.162
1399132	Soil		1.0	66.2	19.1	69	3.0	15.0	15.3	600	3.82	45.0	0.6	17.0	2.8	18	0.4	0.6	7.8	53	0.62	0.084
1399133	Soil		1.4	39.3	6.9	23	0.7	5.7	7.9	379	2.67	112.9	1.2	71.1	9.7	4	0.1	0.4	0.8	4	0.12	0.050
1399134	Soil		1.5	62.6	7.0	34	0.8	10.6	10.1	393	3.41	26.5	1.6	33.2	7.2	6	0.1	0.6	0.9	20	0.15	0.060
1399135	Soil		0.6	75.6	11.9	68	1.1	22.6	18.5	472	3.90	22.6	0.9	15.2	3.5	16	0.1	0.6	1.8	64	0.36	0.065
1378018	Soil		0.3	20.7	8.3	82	0.2	11.0	9.9	728	3.34	50.1	0.6	15.7	3.5	21	0.2	0.4	0.1	39	0.36	0.084
1378019	Soil		0.7	30.2	10.7	82	0.1	22.8	7.7	322	2.71	159.0	0.7	24.2	3.7	16	0.2	0.4	0.1	33	0.21	0.040
1378020	Soil		0.9	24.1	14.7	73	<0.1	17.1	7.5	293	2.54	21.2	0.8	8.3	4.2	17	0.1	0.6	0.2	45	0.23	0.041
1378033	Soil		0.6	29.0	9.5	54	0.4	18.5	9.4	564	2.36	8.5	0.6	21.5	1.6	22	0.3	0.5	0.2	44	0.40	0.056
1378034	Soil		0.7	38.7	24.3	79	0.2	15.9	10.2	451	2.64	9.0	0.4	19.5	2.5	12	0.3	0.3	0.1	50	0.21	0.037
1378035	Soil		0.6	47.8	9.8	74	0.4	16.8	16.6	687	3.53	9.8	0.6	11.5	2.4	12	0.1	0.5	0.2	60	0.22	0.041
1378036	Soil		0.8	26.5	9.9	53	0.3	20.2	13.5	612	2.52	7.6	0.6	4.8	1.8	25	<0.1	0.4	0.2	53	0.52	0.049
1378037	Soil		0.7	33.7	11.5	62	0.4	25.5	17.1	721	3.51	9.7	0.6	14.5	2.4	20	0.2	0.6	0.3	48	0.35	0.044
1378038	Soil		0.7	43.5	10.5	76	0.5	43.2	25.5	1011	4.51	9.4	0.6	16.3	2.3	18	0.1	0.6	0.4	65	0.28	0.051
1378039	Soil		1.0	35.0	10.9	50	0.4	14.8	17.1	694	3.24	10.6	0.6	15.0	2.4	16	0.2	0.6	0.4	43	0.36	0.064
1378040	Soil		0.4	54.7	13.1	67	0.5	19.6	23.5	854	4.35	11.1	0.6	17.5	2.6	12	0.1	0.5	0.3	61	0.29	0.050
1378041	Soil		0.9	30.3	8.8	57	0.3	16.5	17.0	795	3.30	9.0	0.5	23.1	1.6	23	0.2	0.5	0.2	48	0.64	0.078
1378042	Soil		0.6	40.4	6.3	63	0.3	10.2	12.5	484	3.08	8.6	1.0	44.6	3.3	19	0.3	0.4	0.2	33	0.64	0.085
1378043	Soil		1.0	31.2	10.1	56	0.4	8.1	11.5	583	3.25	16.3	0.7	21.5	3.3	12	0.2	0.5	0.3	25	0.19	0.072
1378044	Soil		1.3	19.6	8.7	55	0.3	12.0	14.5	904	2.48	10.4	0.7	9.1	1.9	20	0.2	0.4	0.3	33	0.40	0.061
1378045	Soil		1.2	81.2	164.9	105	1.4	21.9	15.3	443	2.82	33.8	1.4	11.7	3.0	19	0.4	1.3	0.1	38	0.28	0.081
1378046	Soil		1.0	25.4	9.0	77	0.3	22.2	17.1	460	2.79	23.9	0.7	2.2	2.4	17	<0.1	0.2	<0.1	43	0.28	0.071
1378047	Soil		2.2	20.9	18.0	94	0.5	20.9	17.5	879	3.45	90.8	0.7	22.6	3.3	28	0.2	0.1	<0.1	50	0.49	0.090
1378048	Soil		1.7	17.4	11.5	82	0.3	17.6	10.2	493	3.28	53.7	0.6	1.6	3.3	20	0.2	0.2	<0.1	45	0.30	0.093
1378049	Soil		0.9	25.2	7.6	54	0.5	8.4	12.8	710	2.85	10.8	0.6	15.0	2.9	20	0.3	0.3	0.4	19	0.61	0.076
1378050	Soil		1.0	35.8	8.2	56	0.4	16.1	14.9	903	3.39	10.3	0.8	18.6	2.9	16	0.2	0.4	0.3	37	0.52	0.074

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Project: KSD  
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Page: 8 of 12

Part: 2 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		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	0.01	0.01	0.01	0.05	1	0.5	0.2	
1399127	Soil	12	9	1.47	143	0.003	1	1.84	0.003	0.02	<0.1	0.06	15.7	<0.1	<0.05	5	0.6	<0.2
1399128	Soil	10	12	2.41	122	0.012	1	2.61	0.001	0.01	<0.1	0.06	12.6	<0.1	<0.05	8	0.6	0.2
1399129	Soil	10	7	1.83	89	0.005	1	2.36	0.002	0.02	<0.1	0.06	8.2	<0.1	<0.05	6	1.6	1.1
1399130	Soil	13	6	1.76	58	0.005	<1	2.07	0.002	0.01	<0.1	0.08	8.9	<0.1	<0.05	6	2.3	0.7
1399131	Soil	74	41	1.56	89	0.005	<1	2.00	0.002	0.01	<0.1	0.06	7.9	<0.1	<0.05	5	1.7	2.4
1399132	Soil	11	16	1.03	159	0.006	1	1.47	0.003	0.02	<0.1	0.07	6.8	<0.1	<0.05	4	0.6	2.4
1399133	Soil	15	3	0.14	44	0.001	<1	0.30	0.002	0.02	<0.1	0.01	2.6	<0.1	<0.05	<1	0.8	<0.2
1399134	Soil	14	10	0.73	84	0.007	<1	1.01	0.002	0.02	<0.1	0.02	3.7	<0.1	<0.05	3	1.1	0.2
1399135	Soil	19	29	1.30	222	0.020	<1	1.99	0.005	0.02	<0.1	0.05	8.7	<0.1	<0.05	5	<0.5	0.5
1378018	Soil	9	18	1.38	111	0.005	<1	1.69	0.004	0.03	<0.1	<0.01	6.0	<0.1	<0.05	6	<0.5	<0.2
1378019	Soil	11	22	0.93	263	0.013	<1	1.49	0.005	0.03	<0.1	0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
1378020	Soil	15	25	0.79	265	0.041	<1	1.52	0.008	0.04	0.2	0.02	4.4	<0.1	<0.05	4	<0.5	<0.2
1378033	Soil	12	23	0.57	348	0.030	1	1.50	0.008	0.04	0.2	0.03	3.9	<0.1	<0.05	5	<0.5	<0.2
1378034	Soil	9	22	0.90	164	0.025	1	1.56	0.006	0.03	0.2	0.02	4.5	<0.1	<0.05	4	<0.5	<0.2
1378035	Soil	8	24	1.22	172	0.023	2	1.90	0.007	0.02	0.1	0.02	7.0	<0.1	<0.05	5	<0.5	<0.2
1378036	Soil	11	31	0.73	281	0.026	1	1.60	0.010	0.03	0.2	0.04	4.7	<0.1	<0.05	5	<0.5	<0.2
1378037	Soil	8	36	1.11	545	0.022	1	1.59	0.009	0.02	0.1	0.03	6.9	<0.1	<0.05	4	<0.5	<0.2
1378038	Soil	7	59	1.19	801	0.015	<1	1.60	0.007	0.02	<0.1	0.04	11.1	<0.1	<0.05	4	<0.5	<0.2
1378039	Soil	10	19	0.83	279	0.025	<1	1.44	0.007	0.03	0.1	0.03	5.4	<0.1	<0.05	4	<0.5	<0.2
1378040	Soil	11	22	1.55	245	0.017	<1	2.05	0.006	0.02	<0.1	0.03	9.0	<0.1	<0.05	5	0.7	<0.2
1378041	Soil	7	26	1.16	420	0.013	1	1.60	0.006	0.02	0.1	0.03	5.7	<0.1	<0.05	4	0.8	<0.2
1378042	Soil	15	13	1.00	156	0.012	<1	1.57	0.005	0.02	<0.1	0.05	5.8	<0.1	<0.05	5	<0.5	<0.2
1378043	Soil	17	12	0.88	155	0.012	<1	1.33	0.006	0.03	0.1	0.04	3.0	<0.1	<0.05	4	0.5	<0.2
1378044	Soil	11	18	0.67	219	0.018	<1	1.31	0.009	0.03	0.2	0.03	3.1	<0.1	<0.05	4	<0.5	<0.2
1378045	Soil	11	32	1.41	126	0.028	<1	1.66	0.005	0.04	<0.1	1.04	4.4	<0.1	<0.05	5	<0.5	<0.2
1378046	Soil	8	36	1.53	99	0.036	<1	1.76	0.004	0.04	0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
1378047	Soil	12	30	2.10	210	0.006	<1	2.26	0.005	0.05	<0.1	0.04	3.4	<0.1	<0.05	7	<0.5	<0.2
1378048	Soil	11	27	1.82	127	0.013	<1	1.97	0.004	0.05	<0.1	<0.01	3.4	<0.1	<0.05	6	<0.5	<0.2
1378049	Soil	17	8	0.90	247	0.006	<1	1.31	0.006	0.02	<0.1	0.04	3.3	<0.1	<0.05	3	<0.5	<0.2
1378050	Soil	14	24	1.01	243	0.012	<1	1.53	0.006	0.02	<0.1	0.05	6.2	<0.1	<0.05	4	<0.5	<0.2

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Page: 9 of 12

Part: 1 of 1

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Method Analyte	Unit	MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
			ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
			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
1378076	Soil		0.8	34.0	8.7	53	0.4	18.1	12.1	644	2.74	8.0	0.7	8.5	1.5	26	0.2	0.4	0.3	44	0.74	0.068
1378077	Soil		1.1	28.5	9.6	48	0.3	15.2	17.2	852	2.99	9.4	0.5	8.8	2.0	17	0.2	0.4	0.3	47	0.43	0.050
1378078	Soil		0.9	25.8	15.7	90	0.2	15.4	25.8	991	4.82	14.0	0.3	11.8	1.5	12	0.1	0.5	0.4	76	0.09	0.044
1378079	Soil		0.7	48.1	11.9	65	0.5	28.0	22.0	782	3.54	11.0	0.8	20.0	2.7	16	0.3	0.6	0.4	48	0.38	0.057
1378080	Soil		1.0	26.6	12.4	77	0.5	28.3	18.4	644	3.86	8.4	0.5	18.1	1.9	17	0.2	0.5	0.4	54	0.39	0.044
1378081	Soil		0.6	29.0	9.5	63	0.2	19.2	19.5	813	3.12	10.2	0.4	11.6	1.9	17	0.1	0.3	0.2	53	0.43	0.062
1378082	Soil		0.7	44.4	9.1	73	0.3	18.4	12.7	600	2.85	9.2	0.6	7.0	2.6	15	0.2	0.4	0.2	54	0.31	0.043
1378083	Soil		0.7	53.9	9.0	78	0.5	23.0	13.7	747	3.28	10.6	0.6	18.2	3.0	12	0.2	0.4	0.2	61	0.22	0.047
1378084	Soil		0.5	69.2	8.0	63	0.3	33.3	15.5	737	3.04	9.6	0.5	14.5	2.6	13	0.3	0.5	0.2	63	0.28	0.045
1378085	Soil		0.5	78.0	10.5	63	0.4	23.6	15.3	730	3.38	12.2	0.7	16.4	3.0	9	0.2	0.6	0.2	59	0.11	0.031
1378086	Soil		2.4	49.9	17.5	118	0.5	43.2	16.3	618	4.24	70.7	1.6	7.3	5.9	32	0.6	0.3	0.1	58	0.32	0.099
1378087	Soil		2.3	28.2	7.9	85	0.3	24.8	13.2	678	2.97	28.8	1.0	1.3	2.8	40	0.4	0.2	<0.1	39	0.63	0.089
1378088	Soil		1.8	26.1	14.2	81	0.5	21.8	7.2	389	3.04	22.9	1.0	3.6	2.6	17	0.3	0.1	<0.1	47	0.22	0.078
1378089	Soil		0.7	50.8	14.7	88	1.0	20.2	36.2	1256	5.71	14.0	0.5	36.6	1.3	16	0.2	0.5	0.4	97	0.40	0.051
1378090	Soil		0.5	27.2	8.6	54	0.3	19.4	16.2	809	2.92	8.5	0.4	14.6	1.3	34	0.2	0.4	0.2	46	1.09	0.044
1378091	Soil		0.6	62.2	17.0	96	0.5	24.0	29.3	2094	4.92	15.0	0.5	39.4	3.1	11	0.5	0.5	0.4	58	0.25	0.066
1378092	Soil		0.5	26.4	10.3	72	0.3	26.7	17.3	672	3.72	9.7	0.5	9.2	1.9	18	0.2	0.4	0.2	56	0.27	0.047
1378093	Soil		0.5	58.4	16.1	84	0.5	47.8	24.2	1190	4.24	8.2	0.4	18.4	2.0	12	0.5	0.3	0.1	75	0.32	0.050
1378094	Soil		0.5	89.0	8.1	236	0.8	12.9	16.4	1113	4.20	10.7	0.3	29.7	3.7	10	1.5	0.4	0.2	39	0.33	0.088
1378095	Soil		0.5	116.1	9.0	203	0.9	13.9	17.3	1621	4.16	8.5	0.5	30.2	3.8	9	1.6	0.6	0.2	40	0.19	0.053
1378096	Soil		0.5	63.8	8.5	69	0.2	31.9	20.3	846	3.99	10.4	0.4	19.5	2.3	9	0.1	0.5	0.2	65	0.17	0.036
1378097	Soil		0.9	48.7	18.0	108	0.3	21.1	11.5	477	3.30	10.8	0.9	14.1	3.7	16	0.2	0.8	0.2	52	0.20	0.043
1378098	Soil		0.8	42.1	11.5	73	0.3	24.2	11.8	474	3.10	11.8	0.7	4.0	4.3	21	0.1	0.9	0.2	54	0.30	0.056
1378068	Soil		1.2	16.2	6.5	38	0.1	10.7	13.3	508	3.25	10.2	0.9	8.6	3.8	9	<0.1	0.3	0.4	31	0.11	0.046
1378069	Soil		0.8	44.8	7.0	55	0.2	6.4	16.7	770	3.92	16.5	1.0	8.0	3.4	9	<0.1	0.4	0.5	38	0.19	0.086
1378070	Soil		0.7	180.1	8.5	80	1.0	44.5	30.1	1984	4.74	16.4	0.4	14.5	3.2	8	0.3	0.5	0.6	50	0.40	0.154
1378071	Soil		0.8	170.8	7.8	131	1.8	40.3	27.7	1335	5.68	18.9	0.4	14.7	2.4	7	0.6	0.6	0.7	101	0.22	0.073
1378072	Soil		0.8	115.6	8.1	78	1.2	17.6	19.7	849	4.00	11.1	0.8	13.1	2.5	14	0.3	0.3	0.5	69	0.39	0.064
1378073	Soil		1.8	146.0	12.3	80	1.7	13.5	17.5	1049	4.89	18.5	0.7	31.1	4.2	12	0.6	0.5	0.9	46	0.32	0.103
1378062	Soil		1.0	39.8	15.5	45	2.0	15.3	12.5	356	2.95	36.3	1.0	25.3	4.1	18	0.1	0.3	3.1	41	0.49	0.079

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Project: KSD  
 Report Date: July 26, 2013

Page: 9 of 12

Part: 2 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	0.01	0.01	0.01	0.05	1	0.5	0.2	
1378076	Soil	11	28	0.92	439	0.017	<1	1.56	0.008	0.03	0.1	0.04	5.2	<0.1	<0.05	4	<0.5	<0.2
1378077	Soil	8	21	0.88	275	0.022	<1	1.47	0.007	0.03	0.1	0.03	4.7	<0.1	<0.05	4	0.6	<0.2
1378078	Soil	5	25	1.83	137	0.013	<1	2.23	0.009	0.02	<0.1	0.01	10.8	<0.1	<0.05	6	<0.5	<0.2
1378079	Soil	12	43	1.17	421	0.016	<1	1.71	0.007	0.02	<0.1	0.06	9.6	<0.1	<0.05	5	<0.5	<0.2
1378080	Soil	6	48	1.36	502	0.014	<1	1.75	0.005	0.02	<0.1	0.04	8.6	<0.1	<0.05	5	<0.5	<0.2
1378081	Soil	8	28	0.99	180	0.020	<1	1.57	0.007	0.02	0.2	0.03	5.0	<0.1	<0.05	4	<0.5	<0.2
1378082	Soil	11	26	0.98	226	0.022	<1	1.78	0.012	0.03	0.2	0.04	5.6	<0.1	<0.05	5	<0.5	<0.2
1378083	Soil	10	40	1.16	231	0.024	<1	1.99	0.006	0.03	0.1	0.02	6.4	<0.1	<0.05	5	<0.5	<0.2
1378084	Soil	11	63	1.30	198	0.018	<1	1.90	0.008	0.03	0.1	0.03	9.0	<0.1	<0.05	4	<0.5	<0.2
1378085	Soil	12	30	1.14	183	0.027	2	1.95	0.007	0.03	0.1	0.04	7.7	<0.1	<0.05	5	<0.5	<0.2
1378086	Soil	20	42	2.60	214	0.016	<1	2.72	0.005	0.08	<0.1	0.02	4.0	<0.1	<0.05	7	<0.5	<0.2
1378087	Soil	9	28	1.70	179	0.015	1	1.78	0.006	0.06	<0.1	0.03	3.2	<0.1	<0.05	5	1.2	<0.2
1378088	Soil	12	32	1.69	185	0.019	1	1.95	0.005	0.06	<0.1	0.03	3.7	<0.1	<0.05	6	0.5	<0.2
1378089	Soil	8	26	2.84	339	0.005	<1	2.98	0.004	0.02	<0.1	0.05	15.8	<0.1	<0.05	7	0.7	<0.2
1378090	Soil	7	32	1.04	350	0.016	2	1.43	0.009	0.02	0.1	0.04	5.5	<0.1	<0.05	4	<0.5	<0.2
1378091	Soil	10	34	1.63	415	0.008	<1	1.99	0.006	0.02	<0.1	0.02	9.9	<0.1	<0.05	5	0.7	<0.2
1378092	Soil	7	47	1.55	628	0.020	<1	1.93	0.006	0.02	<0.1	0.04	6.7	<0.1	<0.05	5	<0.5	<0.2
1378093	Soil	8	88	1.95	208	0.014	<1	2.38	0.004	0.02	<0.1	0.02	13.1	<0.1	<0.05	6	<0.5	<0.2
1378094	Soil	7	11	1.78	94	0.005	<1	2.25	0.003	0.02	<0.1	0.02	6.5	<0.1	<0.05	6	0.9	<0.2
1378095	Soil	9	14	1.58	156	0.006	<1	2.11	0.006	0.02	<0.1	0.05	8.8	<0.1	<0.05	5	<0.5	<0.2
1378096	Soil	8	57	1.57	147	0.017	<1	2.24	0.005	0.02	0.2	0.04	9.8	<0.1	<0.05	6	<0.5	<0.2
1378097	Soil	14	25	0.95	290	0.036	<1	1.85	0.009	0.03	0.1	0.05	5.7	<0.1	<0.05	5	0.6	<0.2
1378098	Soil	15	28	0.89	349	0.038	1	1.70	0.013	0.04	0.2	0.04	5.6	<0.1	<0.05	5	<0.5	<0.2
1378068	Soil	15	13	0.99	121	0.012	<1	1.56	0.005	0.03	<0.1	0.03	4.0	<0.1	<0.05	4	<0.5	<0.2
1378069	Soil	17	11	1.23	110	0.014	<1	2.11	0.004	0.03	<0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
1378070	Soil	23	104	2.15	115	0.005	<1	2.43	0.002	0.02	<0.1	0.06	9.0	<0.1	<0.05	6	1.0	0.3
1378071	Soil	16	95	2.74	142	0.008	<1	3.03	0.002	0.02	<0.1	0.07	12.9	<0.1	<0.05	7	<0.5	0.3
1378072	Soil	13	31	1.68	231	0.014	<1	2.46	0.004	0.02	<0.1	0.06	8.0	<0.1	<0.05	6	<0.5	<0.2
1378073	Soil	12	20	2.02	118	0.005	<1	2.25	0.003	0.02	<0.1	0.04	7.2	<0.1	<0.05	5	1.8	<0.2
1378062	Soil	17	19	0.99	151	0.012	<1	1.51	0.005	0.03	<0.1	0.05	5.2	<0.1	<0.05	4	1.2	1.3

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Project: KSD  
 Report Date: July 26, 2013

Page: 10 of 12

Part: 1 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method	Analyte	Unit	MDL	1DX15 Mo	1DX15 Cu	1DX15 Pb	1DX15 Zn	1DX15 Ag	1DX15 Ni	1DX15 Co	1DX15 Mn	1DX15 Fe	1DX15 As	1DX15 U	1DX15 Au	1DX15 Th	1DX15 Sr	1DX15 Cd	1DX15 Sb	1DX15 Bi	1DX15 V	1DX15 Ca	1DX15 P
				ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
				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
1378051	Rock Pulp			2.1	24.7	2.3	43	0.4	23.2	9.8	424	2.36	4.4	0.2	1.4	0.8	39	0.1	0.3	<0.1	60	0.80	0.055
1378052	Soil			0.4	22.6	7.5	55	0.2	22.2	11.5	752	2.98	7.5	0.6	53.8	2.9	17	0.2	0.5	0.3	62	0.30	0.050
1378053	Soil			1.1	21.3	9.5	62	0.2	17.8	7.9	354	2.56	9.6	0.6	3.4	2.3	23	0.2	0.6	0.2	56	0.34	0.055
1378054	Soil			0.8	20.6	8.3	52	<0.1	16.3	8.7	303	2.52	8.9	0.6	5.4	3.9	20	0.1	0.6	0.1	54	0.27	0.054
1378055	Soil			0.6	33.6	6.5	66	0.2	24.6	14.1	623	3.42	7.1	0.5	1.4	2.8	17	0.1	0.5	0.2	86	0.29	0.055
1378056	Soil			0.2	32.7	3.0	54	0.2	20.4	15.5	892	3.67	8.6	0.3	56.3	1.2	12	0.3	0.2	0.1	80	0.27	0.060
1378057	Soil			0.7	22.4	6.2	48	0.3	12.0	7.6	359	2.40	7.9	0.5	6.6	2.7	16	<0.1	0.3	0.2	37	0.24	0.059
1378058	Soil			0.7	29.3	7.8	53	0.7	15.4	12.2	411	2.88	13.9	0.8	11.4	1.7	21	0.2	0.1	0.5	58	0.54	0.064
1378059	Soil			0.5	56.4	8.7	53	0.8	18.7	18.0	738	3.14	11.2	1.0	14.9	2.2	26	0.2	0.3	0.5	63	0.78	0.055
1378060	Soil			0.6	62.8	9.4	49	1.2	12.5	13.3	540	3.36	30.2	0.8	32.3	4.7	11	0.3	0.5	0.8	43	0.29	0.069
1378061	Soil			0.7	37.0	8.1	44	0.5	14.0	11.5	409	2.74	53.0	1.2	20.2	3.2	21	0.1	0.3	0.4	43	0.55	0.056
1378063	Soil			1.3	47.3	10.4	46	1.4	14.8	13.8	430	3.19	62.6	1.4	83.9	4.1	20	0.3	0.4	2.4	40	0.54	0.104
1378064	Soil			0.9	46.6	9.8	53	1.1	14.7	13.6	423	3.03	36.1	0.7	21.6	2.9	19	0.3	0.3	1.3	44	0.66	0.086
1378065	Soil			0.8	60.4	7.9	61	1.1	13.0	18.8	704	3.56	35.7	0.9	49.9	2.1	18	0.2	0.3	0.7	58	0.64	0.066
1378066	Soil			0.9	94.1	7.3	59	1.1	20.4	19.1	1388	3.44	16.8	1.5	16.7	2.2	22	0.4	0.4	0.5	54	0.65	0.073
1378067	Soil			0.9	52.9	6.2	49	0.9	15.9	11.0	281	2.77	12.2	1.6	19.1	4.5	10	<0.1	0.3	0.4	39	0.24	0.068
1378074	Soil			0.7	99.5	6.9	79	1.0	19.2	22.9	1094	4.19	10.9	0.8	9.3	2.0	13	0.5	0.4	0.5	75	0.45	0.075
1378075	Soil			0.7	93.1	6.2	80	0.9	18.5	23.9	865	4.46	12.3	0.7	8.3	2.2	11	0.4	0.4	0.5	75	0.35	0.075
1378099	Soil			0.7	27.2	7.1	60	0.2	21.0	13.9	766	3.33	8.3	0.8	9.1	3.4	12	<0.1	0.5	0.2	71	0.18	0.035
1378100	Soil			0.6	22.3	5.9	57	0.2	20.0	13.1	659	3.15	7.5	0.5	8.4	2.8	10	0.1	0.4	0.2	61	0.20	0.043
1379752	Soil			0.7	62.5	10.5	61	1.7	17.3	18.9	702	3.73	25.8	0.7	24.5	2.7	17	0.4	0.4	2.2	61	0.58	0.067
1379753	Soil			1.8	53.6	11.4	33	2.1	15.0	14.3	231	3.30	60.1	0.7	69.5	5.9	12	0.1	0.5	5.3	30	0.33	0.106
1379754	Soil			1.1	61.1	12.0	54	1.6	15.2	17.6	476	3.87	64.8	0.7	26.8	3.8	11	0.3	0.5	1.8	59	0.38	0.090
1379755	Soil			0.8	48.0	6.1	47	0.5	14.7	18.7	960	3.66	24.4	0.8	18.2	2.6	12	0.2	0.3	0.4	60	0.36	0.057
1379756	Soil			0.7	43.2	6.4	55	0.5	16.0	16.6	556	3.59	49.9	0.7	20.6	2.4	12	0.2	0.3	0.4	64	0.38	0.056
1379757	Soil			0.8	58.8	9.6	47	1.1	18.7	19.8	486	3.85	25.0	0.8	15.1	2.4	15	0.2	0.3	0.9	71	0.50	0.059
1379758	Soil			0.7	52.9	6.6	52	0.5	21.8	16.9	530	3.57	19.0	0.7	21.0	2.3	12	0.2	0.3	0.4	67	0.33	0.067
1397448	Soil			1.4	21.7	9.2	69	0.4	21.7	9.8	367	2.91	21.7	0.6	5.0	3.3	10	0.1	0.3	0.1	52	0.12	0.040
1397449	Soil			1.1	18.7	8.8	64	0.3	17.1	10.7	454	2.87	17.4	0.6	2.6	3.2	10	0.1	0.3	0.1	53	0.13	0.036
1397450	Soil			1.1	24.4	10.2	69	0.2	20.2	9.7	355	2.99	18.4	0.7	15.6	3.9	12	0.1	0.4	0.1	48	0.16	0.048



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Page: 10 of 12

Part: 2 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	1	1	0.01	1	0.001	1	0.01	0.001	0.01	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
1378051	Rock Pulp	4	29	0.85	92	0.110	3	1.48	0.080	0.12	11.9	<0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
1378052	Soil	16	52	1.15	246	0.031	<1	2.04	0.007	0.03	0.2	0.02	7.2	<0.1	<0.05	6	<0.5	<0.2
1378053	Soil	15	27	0.69	293	0.035	2	1.62	0.010	0.05	0.2	0.03	4.2	<0.1	<0.05	5	<0.5	<0.2
1378054	Soil	15	27	0.65	238	0.046	2	1.55	0.009	0.04	0.4	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
1378055	Soil	10	65	1.70	212	0.037	<1	2.20	0.007	0.03	0.2	0.04	9.1	<0.1	<0.05	6	<0.5	<0.2
1378056	Soil	6	43	2.39	99	0.024	1	2.68	0.003	0.02	<0.1	<0.01	8.3	<0.1	<0.05	6	<0.5	<0.2
1378057	Soil	11	17	0.86	173	0.035	<1	1.44	0.008	0.03	<0.1	0.03	3.7	<0.1	<0.05	4	<0.5	<0.2
1378058	Soil	8	28	1.16	155	0.013	1	1.74	0.005	0.03	<0.1	0.04	5.9	<0.1	<0.05	5	<0.5	<0.2
1378059	Soil	12	28	1.17	195	0.016	1	1.94	0.005	0.03	<0.1	0.04	7.0	<0.1	<0.05	5	<0.5	<0.2
1378060	Soil	13	17	1.11	75	0.019	<1	1.59	0.005	0.02	<0.1	<0.01	5.8	<0.1	<0.05	4	0.7	0.5
1378061	Soil	14	19	0.92	193	0.015	1	1.54	0.005	0.03	0.1	0.04	5.5	<0.1	<0.05	4	<0.5	<0.2
1378063	Soil	17	14	0.88	160	0.011	<1	1.33	0.004	0.02	<0.1	0.04	5.7	<0.1	<0.05	4	1.5	0.8
1378064	Soil	13	18	0.81	202	0.009	<1	1.38	0.003	0.02	0.1	0.05	4.7	<0.1	0.05	4	0.9	0.5
1378065	Soil	10	18	1.19	241	0.007	1	1.82	0.003	0.02	<0.1	0.05	5.5	<0.1	0.06	5	0.8	<0.2
1378066	Soil	13	30	1.05	311	0.011	<1	1.65	0.004	0.02	0.1	0.07	5.4	<0.1	0.07	5	1.1	<0.2
1378067	Soil	17	25	0.95	214	0.010	<1	1.54	0.003	0.03	<0.1	0.05	3.6	<0.1	0.05	4	0.6	<0.2
1378074	Soil	14	31	1.63	271	0.010	<1	2.51	0.004	0.02	<0.1	0.06	8.6	<0.1	0.06	7	0.6	<0.2
1378075	Soil	13	30	1.59	219	0.011	<1	2.45	0.003	0.02	<0.1	0.05	8.7	<0.1	<0.05	7	0.6	<0.2
1378099	Soil	20	37	1.11	272	0.032	<1	2.23	0.006	0.03	0.1	0.04	6.8	<0.1	0.05	6	<0.5	<0.2
1378100	Soil	12	39	1.12	200	0.022	<1	1.95	0.005	0.03	0.1	0.02	6.1	<0.1	<0.05	6	<0.5	<0.2
1379752	Soil	13	23	1.12	194	0.012	<1	1.86	0.004	0.02	<0.1	0.06	6.5	<0.1	<0.05	5	1.2	0.8
1379753	Soil	18	11	0.47	77	0.004	<1	0.76	0.002	0.02	<0.1	0.03	5.5	<0.1	0.07	2	2.2	3.0
1379754	Soil	20	21	1.30	136	0.010	<1	1.80	0.003	0.02	<0.1	0.05	6.8	<0.1	<0.05	5	1.2	0.7
1379755	Soil	12	18	1.08	141	0.017	<1	1.74	0.003	0.02	0.1	0.04	6.2	<0.1	0.06	5	0.8	<0.2
1379756	Soil	9	22	1.13	104	0.017	<1	1.76	0.003	0.02	<0.1	0.03	6.0	<0.1	0.08	5	0.8	<0.2
1379757	Soil	12	25	1.22	168	0.018	<1	2.01	0.004	0.02	0.1	0.03	6.7	<0.1	0.07	6	0.8	0.4
1379758	Soil	11	29	1.40	170	0.019	<1	1.94	0.004	0.02	<0.1	0.02	6.5	<0.1	<0.05	5	1.1	<0.2
1397448	Soil	13	29	1.13	206	0.028	<1	1.93	0.005	0.04	<0.1	0.02	2.9	<0.1	<0.05	5	<0.5	<0.2
1397449	Soil	12	28	1.27	256	0.031	<1	1.88	0.006	0.04	<0.1	0.02	3.3	<0.1	<0.05	5	<0.5	<0.2
1397450	Soil	13	27	1.35	199	0.034	<1	1.84	0.004	0.04	<0.1	0.03	3.4	<0.1	<0.05	5	<0.5	<0.2

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Project: KSD  
 Report Date: July 26, 2013

Page: 11 of 12

Part: 1 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte Unit MDL	1DX15 Mo ppm	1DX15 Cu ppm	1DX15 Pb ppm	1DX15 Zn ppm	1DX15 Ag ppm	1DX15 Ni ppm	1DX15 Co ppm	1DX15 Mn ppm	1DX15 Fe %	1DX15 As ppm	1DX15 U ppm	1DX15 Au ppb	1DX15 Th ppm	1DX15 Sr ppm	1DX15 Cd ppm	1DX15 Sb ppm	1DX15 Bi ppm	1DX15 V ppm	1DX15 Ca %	1DX15 P %	
	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	
1397451	Rock Pulp	2.5	24.9	2.2	44	0.3	24.4	11.0	432	2.60	4.7	0.2	0.9	0.8	36	0.2	0.3	<0.1	66	0.81	0.060
1397452	Soil	1.0	18.8	8.1	57	0.1	16.7	9.2	341	2.45	14.6	0.5	8.5	3.1	13	<0.1	0.3	0.1	40	0.19	0.061
1397453	Soil	1.5	20.3	9.9	60	0.2	18.1	8.5	275	2.49	14.6	0.7	2.9	3.1	14	0.1	0.4	<0.1	44	0.16	0.037
1397454	Soil	1.0	23.7	10.2	58	0.2	21.3	10.1	297	2.59	20.9	0.8	6.6	3.3	16	0.1	0.5	0.1	49	0.22	0.046
1397455	Soil	1.1	28.8	21.6	135	0.1	17.1	11.8	495	3.16	12.0	0.6	4.0	4.1	13	0.5	0.5	<0.1	46	0.20	0.058
1397456	Soil	1.3	40.6	220.8	135	0.6	16.4	8.6	342	3.24	10.4	0.7	8.6	3.2	17	0.1	0.8	0.1	49	0.16	0.038
1397457	Soil	1.7	22.7	21.9	81	0.2	13.4	9.1	308	2.85	7.8	0.9	10.4	3.1	12	0.2	0.4	0.1	42	0.13	0.041
1397458	Soil	1.3	48.1	34.5	103	0.4	25.6	16.3	679	3.58	8.1	0.6	480.1	2.6	12	0.2	0.5	0.2	62	0.15	0.032
1397459	Soil	1.3	47.3	23.2	106	0.6	23.3	17.7	1321	4.22	8.4	0.5	12.9	2.2	10	0.4	0.4	0.2	59	0.18	0.040
1397460	Soil	0.6	58.1	7.9	64	0.8	35.7	18.7	947	3.47	6.2	0.6	11.4	1.4	14	0.2	0.3	0.2	61	0.56	0.041
1397461	Soil	0.7	39.6	7.9	62	0.4	30.4	15.0	647	3.63	8.1	0.6	18.5	2.2	9	<0.1	0.4	0.2	63	0.30	0.024
1397462	Soil	0.6	48.6	8.3	60	0.8	44.9	29.1	1950	4.50	5.8	0.2	12.9	1.0	6	0.2	0.2	0.2	84	0.27	0.039
1397463	Soil	3.2	70.8	48.5	157	1.2	18.3	13.2	482	4.24	11.3	0.9	37.5	3.2	14	0.4	0.6	0.2	58	0.15	0.032
1397464	Soil	2.7	57.6	109.7	201	0.4	21.6	14.7	590	4.27	10.5	1.2	19.3	4.3	13	0.5	0.7	0.4	60	0.07	0.032
1397465	Soil	0.9	19.9	13.7	86	0.1	13.8	8.4	294	3.01	11.6	0.9	10.8	4.0	16	0.1	0.3	0.3	40	0.16	0.032
1397466	Soil	0.6	22.3	11.9	67	<0.1	19.4	11.0	291	2.73	12.7	0.8	4.5	4.2	13	0.2	0.4	0.2	52	0.12	0.018
1397467	Soil	1.4	37.2	11.7	90	0.1	31.1	15.7	656	3.45	133.8	0.7	22.2	4.4	14	0.4	0.5	0.2	54	0.17	0.065
1397468	Soil	1.0	25.7	10.3	65	0.2	23.4	10.1	325	2.84	22.0	0.9	3.0	3.1	17	<0.1	0.4	0.1	52	0.25	0.053
1397469	Soil	0.9	31.3	12.0	77	0.1	24.1	9.3	316	2.89	16.9	1.2	3.3	4.6	17	0.2	0.4	0.4	38	0.14	0.036
1397470	Soil	1.0	21.8	9.2	63	0.1	19.0	8.7	329	2.59	17.9	0.7	5.3	3.6	16	0.1	0.4	0.2	42	0.18	0.035
1397471	Soil	1.1	36.1	12.4	88	0.2	24.3	12.3	526	3.35	13.5	0.9	2.2	5.2	16	0.2	0.3	0.2	50	0.18	0.053
1397472	Soil	1.1	23.1	11.4	69	0.2	19.8	10.0	436	3.08	14.3	1.0	1.7	4.0	15	<0.1	0.4	0.1	52	0.14	0.039
1397473	Soil	1.9	42.3	10.8	86	0.2	27.9	11.3	437	3.42	55.9	0.8	2.7	5.1	14	0.2	0.5	0.3	49	0.10	0.025
1397474	Soil	1.5	37.9	11.0	84	0.2	30.5	10.7	539	3.38	20.2	1.0	12.6	4.6	22	0.3	0.3	0.2	44	0.19	0.055
1397475	Soil	1.2	35.5	12.7	83	0.2	31.4	10.3	535	3.43	25.9	1.1	2.0	4.6	23	0.1	0.4	0.2	45	0.20	0.060
1397476	Soil	0.9	23.1	9.5	69	0.1	20.9	9.6	425	2.94	10.7	0.9	1.4	4.1	12	<0.1	0.3	<0.1	47	0.15	0.037
1397477	Soil	1.8	39.7	10.9	86	0.2	30.2	10.5	508	3.56	13.2	1.7	1.2	5.3	18	0.1	0.3	0.2	45	0.16	0.048
1397478	Soil	1.6	32.6	9.9	85	0.2	24.6	10.0	470	3.36	13.4	1.1	1.8	4.5	14	0.2	0.3	<0.1	52	0.12	0.036
1397479	Soil	0.8	24.6	10.3	74	0.2	22.5	10.2	495	3.22	15.5	0.7	1.3	4.0	16	0.3	0.2	<0.1	58	0.19	0.066
1397480	Soil	0.7	22.3	10.0	78	0.2	16.9	8.3	483	3.19	20.0	0.5	3.8	4.0	8	<0.1	0.3	<0.1	53	0.10	0.034

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Page: 11 of 12

Part: 2 of 1

# CERTIFICATE OF ANALYSIS

WHI13000111.1

Method Analyte Unit MDL	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	1	1	0.01	1	0.001	1	0.001	0.01	0.001	0.01	0.01	0.01	0.01	0.01	0.05	1	0.5	0.2
1397451	Rock Pulp	4	32	0.78	95	0.112	2	1.52	0.073	0.12	12.3	<0.01	4.6	<0.1	0.08	5	<0.5	<0.2
1397452	Soil	11	23	1.08	147	0.038	<1	1.45	0.004	0.03	<0.1	0.02	2.4	<0.1	<0.05	4	<0.5	<0.2
1397453	Soil	11	25	1.13	176	0.046	<1	1.51	0.004	0.04	<0.1	0.21	2.8	<0.1	<0.05	4	<0.5	<0.2
1397454	Soil	13	30	0.89	287	0.042	<1	1.54	0.006	0.04	0.1	0.03	3.9	<0.1	0.05	4	<0.5	<0.2
1397455	Soil	15	24	1.35	216	0.030	<1	1.94	0.006	0.03	0.1	0.14	4.8	<0.1	0.05	6	<0.5	<0.2
1397456	Soil	11	28	1.19	336	0.043	<1	1.74	0.008	0.04	0.1	1.20	4.1	<0.1	0.05	5	<0.5	<0.2
1397457	Soil	11	23	0.82	274	0.036	<1	1.62	0.006	0.04	0.1	0.05	4.2	<0.1	<0.05	5	<0.5	<0.2
1397458	Soil	10	43	1.49	471	0.024	<1	1.98	0.005	0.03	0.1	0.08	6.1	<0.1	<0.05	5	<0.5	<0.2
1397459	Soil	9	35	1.63	611	0.011	<1	2.22	0.003	0.02	<0.1	0.06	7.1	<0.1	<0.05	6	<0.5	<0.2
1397460	Soil	9	64	1.90	216	0.011	<1	2.43	0.005	0.02	0.2	0.17	8.8	<0.1	<0.05	5	<0.5	<0.2
1397461	Soil	8	52	1.57	200	0.015	<1	2.31	0.005	0.02	0.1	0.04	8.3	<0.1	<0.05	5	<0.5	<0.2
1397462	Soil	9	95	3.13	188	0.005	<1	3.02	0.003	0.01	<0.1	0.03	12.2	<0.1	<0.05	7	<0.5	<0.2
1397463	Soil	10	26	1.34	652	0.015	<1	2.21	0.007	0.03	<0.1	0.09	6.3	<0.1	<0.05	6	0.7	<0.2
1397464	Soil	14	39	1.45	335	0.030	3	2.34	0.007	0.04	<0.1	0.25	7.1	<0.1	<0.05	6	<0.5	<0.2
1397465	Soil	13	25	1.02	360	0.055	<1	1.73	0.006	0.04	0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
1397466	Soil	15	32	0.95	292	0.064	2	1.84	0.005	0.04	<0.1	<0.01	4.6	<0.1	<0.05	5	<0.5	<0.2
1397467	Soil	16	33	1.24	255	0.032	<1	1.92	0.003	0.06	<0.1	0.01	4.2	<0.1	<0.05	5	0.9	<0.2
1397468	Soil	13	33	1.17	253	0.052	<1	1.60	0.006	0.04	0.1	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2
1397469	Soil	13	26	1.46	194	0.041	1	1.83	0.003	0.04	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2
1397470	Soil	14	27	1.17	264	0.031	<1	1.68	0.005	0.05	<0.1	<0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
1397471	Soil	14	29	1.76	226	0.031	<1	2.15	0.003	0.04	<0.1	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1397472	Soil	15	29	1.47	284	0.036	<1	2.02	0.005	0.06	<0.1	<0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
1397473	Soil	17	34	1.64	267	0.029	2	2.14	0.004	0.04	<0.1	0.01	4.5	<0.1	<0.05	6	0.5	<0.2
1397474	Soil	19	29	1.76	222	0.020	<1	2.11	0.004	0.03	<0.1	0.01	4.0	<0.1	<0.05	5	<0.5	<0.2
1397475	Soil	15	29	1.78	204	0.021	<1	2.10	0.004	0.03	<0.1	0.02	3.8	<0.1	<0.05	5	<0.5	<0.2
1397476	Soil	15	27	1.36	250	0.049	1	1.81	0.007	0.07	<0.1	<0.01	3.4	<0.1	<0.05	5	<0.5	<0.2
1397477	Soil	13	28	1.79	195	0.074	<1	2.09	0.004	0.05	<0.1	<0.01	3.8	<0.1	<0.05	6	0.6	<0.2
1397478	Soil	12	30	1.72	192	0.072	<1	2.05	0.003	0.04	<0.1	<0.01	3.9	<0.1	<0.05	6	<0.5	<0.2
1397479	Soil	15	29	1.67	231	0.028	<1	2.11	0.004	0.06	<0.1	<0.01	4.5	<0.1	<0.05	6	<0.5	<0.2
1397480	Soil	14	30	1.46	169	0.033	<1	2.04	0.003	0.05	<0.1	0.02	4.1	<0.1	<0.05	6	<0.5	<0.2

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Page: 12 of 12

Part: 1 of 1

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WHI13000111.1

	Method	1DX15																			
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Analyte	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
1397481	Soil	1.3	20.8	11.0	74	0.3	19.7	8.0	307	2.92	22.7	0.5	5.2	3.5	15	0.2	0.3	<0.1	47	0.18	0.057
1264933	Soil	0.6	42.2	9.6	70	0.2	24.5	10.6	463	3.15	10.7	0.9	14.1	3.7	22	<0.1	0.7	0.2	56	0.29	0.039
1264934	Soil	0.7	36.8	8.8	55	0.2	21.7	9.3	392	2.62	9.5	0.7	8.2	3.7	22	0.2	0.5	0.2	50	0.31	0.046
1264935	Soil	0.8	30.0	8.6	57	0.2	16.6	8.8	336	2.59	7.7	0.7	5.4	3.2	17	<0.1	0.6	0.2	50	0.24	0.027
1264936	Soil	0.8	27.8	10.8	62	0.2	17.4	8.8	368	2.84	10.3	0.7	7.1	3.5	20	0.1	0.5	0.2	54	0.24	0.029
1264937	Soil	0.2	70.6	8.3	76	0.6	43.6	17.4	1401	3.77	5.4	0.4	16.1	2.0	7	0.3	0.2	0.1	67	0.17	0.067
1264938	Soil	0.6	66.4	7.6	84	0.9	26.2	18.7	1408	3.16	8.9	0.9	19.2	1.5	24	0.7	0.3	0.2	56	0.53	0.078
1264939	Soil	0.4	83.4	8.9	110	0.7	22.7	20.4	949	3.84	8.8	0.4	24.1	2.1	21	0.6	0.4	0.2	58	0.48	0.073
1397496	Soil	0.7	26.3	8.5	77	0.2	13.2	9.0	251	2.43	8.7	1.0	4.1	6.0	26	0.2	0.3	<0.1	27	0.33	0.103
1397497	Soil	1.1	18.5	10.4	73	0.2	15.7	11.8	420	2.53	13.3	0.7	1.5	1.4	17	<0.1	0.1	<0.1	37	0.24	0.072
1397498	Soil	2.2	30.1	133.9	323	0.9	12.0	6.3	404	4.23	19.0	0.8	12.1	2.1	22	0.6	1.5	0.2	60	0.17	0.073
1397499	Soil	0.5	38.3	23.4	117	1.1	17.0	14.2	610	3.75	8.8	0.6	16.9	1.9	47	0.4	0.5	0.2	56	0.68	0.054
1397500	Soil	0.4	25.6	18.1	114	0.5	5.2	10.2	374	4.23	15.3	0.7	30.8	4.1	58	0.1	0.6	0.2	27	0.10	0.086
1397482	Soil	1.2	32.1	21.2	90	0.2	18.1	10.1	403	2.78	20.5	1.0	22.8	4.9	17	0.2	0.7	0.1	41	0.22	0.037
1397483	Soil	1.0	31.6	24.3	102	0.3	16.5	7.6	311	2.67	16.0	0.8	20.6	4.3	18	0.2	0.7	0.1	42	0.22	0.038
1397484	Soil	0.9	26.7	14.0	77	0.3	19.0	11.3	393	2.71	12.3	0.9	15.7	2.5	17	0.3	0.5	0.1	49	0.24	0.061
1397485	Soil	1.0	27.1	11.1	67	0.3	20.1	14.6	608	2.74	10.1	0.8	8.5	1.9	19	0.2	0.5	0.2	53	0.23	0.061
1397486	Soil	0.6	35.5	7.8	63	0.2	21.1	10.2	420	2.92	9.9	0.9	6.9	3.5	20	<0.1	0.6	0.1	55	0.27	0.040
1397487	Soil	0.3	104.3	8.1	91	0.8	22.4	17.0	954	4.90	10.8	0.5	212.4	2.3	12	0.1	0.5	0.3	72	0.27	0.069
1397488	Soil	0.5	35.0	31.7	107	0.5	18.0	22.1	1234	4.97	17.6	0.8	34.8	1.9	11	0.4	0.7	0.3	84	0.15	0.046



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Page: 12 of 12

Part: 2 of 1

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WHI13000111.1

	Method	1DX15																		
		Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te	
			ppm	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	0.01	0.05	1	0.5	0.2
1397481	Soil	15	28	1.40	250	0.030	<1	1.96	0.004	0.07	<0.1	<0.01	3.2	<0.1	<0.05	5	0.6	<0.2		
1264933	Soil	14	31	0.98	353	0.044	<1	1.87	0.011	0.04	0.1	0.03	6.5	<0.1	<0.05	5	<0.5	<0.2		
1264934	Soil	15	28	0.75	323	0.044	<1	1.62	0.012	0.04	0.2	0.05	5.4	<0.1	<0.05	5	<0.5	<0.2		
1264935	Soil	13	25	0.79	261	0.034	<1	1.70	0.010	0.03	0.1	0.01	4.9	<0.1	<0.05	5	<0.5	<0.2		
1264936	Soil	13	28	0.81	267	0.040	<1	1.73	0.009	0.04	0.1	0.04	5.1	<0.1	<0.05	5	<0.5	<0.2		
1264937	Soil	9	93	2.12	159	0.005	<1	2.49	0.003	0.01	<0.1	0.03	12.8	<0.1	<0.05	7	<0.5	<0.2		
1264938	Soil	13	32	1.10	274	0.017	<1	2.05	0.006	0.03	0.1	0.04	7.7	<0.1	<0.05	5	0.7	<0.2		
1264939	Soil	8	36	1.64	95	0.013	<1	2.14	0.005	0.02	<0.1	0.04	8.8	<0.1	<0.05	6	<0.5	<0.2		
1397496	Soil	25	17	1.19	170	0.079	<1	1.29	0.006	0.13	<0.1	<0.01	3.8	0.2	<0.05	5	0.6	<0.2		
1397497	Soil	11	25	1.23	125	0.033	<1	1.55	0.004	0.05	<0.1	<0.01	2.7	<0.1	<0.05	5	<0.5	<0.2		
1397498	Soil	11	19	1.58	187	0.009	<1	2.03	0.008	0.04	<0.1	0.92	4.8	<0.1	<0.05	6	2.0	<0.2		
1397499	Soil	10	22	1.78	459	0.009	<1	2.26	0.009	0.02	<0.1	0.06	7.2	<0.1	<0.05	6	0.7	<0.2		
1397500	Soil	22	5	1.16	148	0.005	<1	1.67	0.047	0.06	<0.1	0.03	4.9	<0.1	0.17	5	1.1	<0.2		
1397482	Soil	17	23	0.82	313	0.040	1	1.60	0.006	0.04	0.2	0.02	4.7	<0.1	<0.05	4	<0.5	<0.2		
1397483	Soil	16	24	0.76	341	0.039	<1	1.67	0.008	0.04	0.1	0.04	4.5	<0.1	<0.05	5	<0.5	<0.2		
1397484	Soil	15	26	0.76	337	0.030	<1	1.71	0.008	0.04	0.3	0.05	4.4	<0.1	<0.05	5	<0.5	<0.2		
1397485	Soil	13	29	0.83	297	0.032	2	1.77	0.008	0.04	0.2	0.03	4.3	<0.1	<0.05	5	<0.5	<0.2		
1397486	Soil	14	32	0.97	288	0.042	<1	1.78	0.010	0.04	0.1	0.04	6.1	<0.1	<0.05	5	<0.5	<0.2		
1397487	Soil	6	27	1.66	198	0.009	<1	2.43	0.005	0.02	<0.1	0.02	11.4	<0.1	<0.05	7	<0.5	<0.2		
1397488	Soil	9	21	2.77	459	0.010	<1	2.86	0.005	0.01	<0.1	0.04	12.2	<0.1	<0.05	7	0.5	<0.2		

# QUALITY CONTROL REPORT

WHI13000111.1

Method	Analyte	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15
		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	0.1	0.1	0.1	0.1	2	0.01	0.001
Pulp Duplicates																					
1365479	Soil	1.0	48.5	27.1	140	0.7	15.8	11.4	502	3.50	10.1	0.9	14.4	4.0	14	0.6	0.6	0.3	48	0.14	0.035
REP 1365479	QC	1.0	48.7	25.9	135	0.7	16.0	11.3	503	3.52	10.0	0.8	15.1	3.8	13	0.5	0.4	0.3	49	0.14	0.034
1365489	Soil	2.7	42.2	117.8	252	0.3	14.4	11.8	442	3.91	10.7	1.3	11.5	4.8	15	0.9	0.5	<0.1	51	0.17	0.050
REP 1365489	QC	2.9	40.6	119.4	255	0.4	15.0	11.7	434	3.81	11.3	1.2	7.7	4.8	16	0.9	0.4	0.1	51	0.17	0.051
1399105	Soil	0.7	45.9	7.1	47	0.2	20.1	18.7	802	3.42	8.7	0.6	8.9	2.2	9	0.1	0.5	0.2	58	0.16	0.026
REP 1399105	QC	0.7	45.5	7.2	49	0.1	20.2	18.3	835	3.51	8.1	0.6	14.0	2.3	9	<0.1	0.7	0.2	58	0.17	0.026
1378170	Soil	0.9	79.8	13.7	66	0.7	22.6	16.9	684	3.02	10.5	1.2	14.4	3.0	22	0.2	0.6	0.3	60	0.57	0.057
REP 1378170	QC	0.8	79.5	12.9	69	0.6	22.2	17.3	673	2.99	10.7	1.1	12.3	2.9	22	0.2	0.5	0.3	59	0.58	0.056
1365680	Soil	1.1	39.1	8.3	88	0.2	11.7	17.0	504	4.56	4.8	0.9	6.6	4.6	6	<0.1	0.3	0.1	60	0.13	0.060
REP 1365680	QC	1.3	38.3	8.6	84	0.2	11.5	15.9	473	4.29	4.7	0.9	6.0	4.6	6	0.1	0.3	0.1	57	0.14	0.061
1264893	Soil	0.9	38.5	8.2	48	0.3	15.3	13.2	835	2.75	7.0	1.6	13.8	2.4	36	0.1	0.5	0.3	40	1.19	0.053
REP 1264893	QC	0.8	38.6	7.8	48	0.3	15.2	13.0	840	2.71	7.2	1.5	10.6	2.4	34	0.1	0.4	0.2	38	1.10	0.051
1278793	Soil	0.5	32.3	4.2	43	0.3	2.6	13.1	704	3.83	8.9	1.3	12.0	5.5	3	0.1	0.7	0.3	13	0.12	0.091
REP 1278793	QC	0.4	32.5	4.3	44	0.2	2.7	13.6	712	3.91	9.3	1.2	16.2	5.4	3	<0.1	0.6	0.3	13	0.12	0.092
1378006	Soil	1.0	33.8	24.4	101	0.2	14.3	10.7	482	3.82	39.3	1.3	35.3	4.1	12	0.1	0.6	0.2	52	0.17	0.048
REP 1378006	QC	1.1	33.6	24.0	105	0.2	15.0	10.6	482	3.82	39.5	1.2	58.6	4.1	12	0.1	0.6	0.2	52	0.17	0.045
1378010	Soil	0.7	90.8	9.5	60	0.5	25.1	19.1	957	3.73	8.6	0.6	15.6	3.5	32	0.2	0.2	0.5	47	0.88	0.037
REP 1378010	QC	0.6	97.0	9.6	62	0.6	26.4	19.8	979	3.86	8.2	0.5	15.8	3.5	32	0.3	0.2	0.5	48	0.94	0.038
1399109	Soil	0.3	210.4	10.7	117	1.1	18.2	32.2	1909	5.59	27.7	0.4	14.5	3.0	5	1.5	0.6	0.7	66	0.17	0.067
REP 1399109	QC	0.4	209.9	10.9	121	1.1	19.4	31.9	1876	5.64	27.6	0.4	14.7	2.9	5	1.4	0.6	0.6	66	0.17	0.061
1399135	Soil	0.6	75.6	11.9	68	1.1	22.6	18.5	472	3.90	22.6	0.9	15.2	3.5	16	0.1	0.6	1.8	64	0.36	0.065
REP 1399135	QC	1.1	76.5	12.1	70	1.2	22.0	19.6	487	3.95	23.1	0.9	15.8	3.5	16	0.4	0.6	1.8	66	0.36	0.066
1378039	Soil	1.0	35.0	10.9	50	0.4	14.8	17.1	694	3.24	10.6	0.6	15.0	2.4	16	0.2	0.6	0.4	43	0.36	0.064
REP 1378039	QC	0.9	34.5	10.7	49	0.3	15.8	16.6	692	3.14	10.3	0.6	11.1	2.2	16	0.2	0.6	0.3	40	0.36	0.062
1378090	Soil	0.5	27.2	8.6	54	0.3	19.4	16.2	809	2.92	8.5	0.4	14.6	1.3	34	0.2	0.4	0.2	46	1.09	0.044
REP 1378090	QC	0.6	27.7	9.2	53	0.3	19.7	16.1	825	2.93	8.2	0.4	25.5	1.3	34	0.2	0.4	0.2	45	1.15	0.044
1378069	Soil	0.8	44.8	7.0	55	0.2	6.4	16.7	770	3.92	16.5	1.0	8.0	3.4	9	<0.1	0.4	0.5	38	0.19	0.086
REP 1378069	QC	0.8	45.5	7.0	55	0.2	5.8	17.0	766	3.92	17.1	0.9	4.3	3.4	8	0.1	0.4	0.5	37	0.19	0.084



# QUALITY CONTROL REPORT

WHI13000111.1

Method	1DX15	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																		
1365479	Soil	16	23	1.29	378	0.022	1	2.03	0.006	0.03	<0.1	0.05	5.2	<0.1	<0.05	5	<0.5	<0.2
REP 1365479	QC	16	24	1.30	369	0.024	<1	1.96	0.006	0.03	<0.1	0.05	5.3	<0.1	<0.05	5	<0.5	<0.2
1365489	Soil	16	20	1.33	262	0.025	<1	2.05	0.006	0.03	<0.1	0.33	4.8	<0.1	<0.05	5	<0.5	<0.2
REP 1365489	QC	15	19	1.39	257	0.025	1	2.06	0.007	0.04	0.1	0.32	4.7	<0.1	<0.05	6	<0.5	<0.2
1399105	Soil	10	26	1.18	161	0.045	<1	2.05	0.006	0.03	<0.1	0.04	7.3	<0.1	<0.05	5	<0.5	<0.2
REP 1399105	QC	10	25	1.23	165	0.042	<1	2.13	0.005	0.03	0.1	0.07	7.5	<0.1	<0.05	5	<0.5	<0.2
1378170	Soil	13	28	0.96	310	0.029	<1	1.86	0.010	0.03	0.2	0.05	7.4	<0.1	<0.05	5	<0.5	<0.2
REP 1378170	QC	13	27	0.92	300	0.029	<1	1.84	0.009	0.03	0.2	0.03	7.3	<0.1	<0.05	5	0.5	<0.2
1365680	Soil	19	22	2.02	212	0.009	<1	2.56	0.004	0.02	<0.1	0.03	7.5	<0.1	<0.05	8	<0.5	<0.2
REP 1365680	QC	19	20	1.98	209	0.009	<1	2.39	0.003	0.02	<0.1	0.04	7.2	<0.1	<0.05	7	<0.5	<0.2
1264893	Soil	13	22	0.53	265	0.020	<1	1.58	0.008	0.03	0.1	0.03	4.3	<0.1	0.10	5	0.7	<0.2
REP 1264893	QC	12	20	0.51	244	0.020	<1	1.50	0.008	0.03	0.2	0.04	3.9	<0.1	0.09	4	0.6	<0.2
1278793	Soil	28	3	0.88	42	0.019	1	1.19	0.003	0.02	<0.1	0.06	4.0	<0.1	<0.05	3	<0.5	<0.2
REP 1278793	QC	27	3	0.90	39	0.020	<1	1.24	0.003	0.01	<0.1	0.04	4.0	<0.1	<0.05	3	<0.5	<0.2
1378006	Soil	12	22	1.13	280	0.032	<1	2.01	0.004	0.03	<0.1	0.03	5.6	<0.1	<0.05	5	<0.5	<0.2
REP 1378006	QC	12	22	1.10	277	0.034	<1	1.96	0.004	0.02	<0.1	0.03	5.7	<0.1	<0.05	5	<0.5	<0.2
1378010	Soil	11	53	1.71	54	0.002	1	1.94	0.003	0.01	<0.1	<0.01	6.6	<0.1	0.06	5	1.3	<0.2
REP 1378010	QC	12	55	1.78	54	0.003	2	2.04	0.003	0.02	<0.1	0.02	6.7	<0.1	0.06	5	1.5	<0.2
1399109	Soil	17	22	2.16	98	0.004	<1	2.52	0.004	0.01	<0.1	0.06	11.6	<0.1	<0.05	6	1.1	<0.2
REP 1399109	QC	17	23	2.11	98	0.005	1	2.46	0.001	<0.01	<0.1	0.05	11.7	<0.1	<0.05	6	1.1	<0.2
1399135	Soil	19	29	1.30	222	0.020	<1	1.99	0.005	0.02	<0.1	0.05	8.7	<0.1	<0.05	5	<0.5	0.5
REP 1399135	QC	20	31	1.32	229	0.021	1	2.03	0.005	0.03	<0.1	0.04	8.9	<0.1	<0.05	6	1.1	0.5
1378039	Soil	10	19	0.83	279	0.025	<1	1.44	0.007	0.03	0.1	0.03	5.4	<0.1	<0.05	4	<0.5	<0.2
REP 1378039	QC	10	18	0.78	272	0.022	<1	1.32	0.007	0.03	0.1	0.03	5.0	<0.1	<0.05	4	<0.5	<0.2
1378090	Soil	7	32	1.04	350	0.016	2	1.43	0.009	0.02	0.1	0.04	5.5	<0.1	<0.05	4	<0.5	<0.2
REP 1378090	QC	6	33	1.06	356	0.016	<1	1.43	0.009	0.02	0.1	0.02	5.7	<0.1	<0.05	4	1.1	<0.2
1378069	Soil	17	11	1.23	110	0.014	<1	2.11	0.004	0.03	<0.1	0.01	4.2	<0.1	<0.05	5	<0.5	<0.2
REP 1378069	QC	17	10	1.24	109	0.014	<1	2.10	0.005	0.02	<0.1	0.03	4.0	<0.1	<0.05	5	0.8	0.2



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Project: KSD  
 Report Date: July 26, 2013

Page: 2 of 3

Part: 1 of 1

# QUALITY CONTROL REPORT

WHI13000111.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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
1379752	Soil	0.7	62.5	10.5	61	1.7	17.3	18.9	702	3.73	25.8	0.7	24.5	2.7	17	0.4	0.4	2.2	61	0.58	0.067
REP 1379752	QC	0.8	64.9	10.6	61	1.8	17.8	19.8	716	3.90	26.1	0.7	24.3	2.8	17	0.5	0.4	2.2	64	0.58	0.068
1397451	Rock Pulp	2.5	24.9	2.2	44	0.3	24.4	11.0	432	2.60	4.7	0.2	0.9	0.8	36	0.2	0.3	<0.1	66	0.81	0.060
REP 1397451	QC	2.5	24.4	2.1	44	0.3	24.7	10.6	408	2.52	5.0	0.2	1.7	0.8	36	0.2	0.3	<0.1	67	0.85	0.059
1397467	Soil	1.4	37.2	11.7	90	0.1	31.1	15.7	656	3.45	133.8	0.7	22.2	4.4	14	0.4	0.5	0.2	54	0.17	0.065
REP 1397467	QC	1.4	36.6	11.4	92	0.1	31.8	16.8	667	3.39	136.7	0.7	4.7	4.5	14	0.7	0.6	0.2	55	0.17	0.071
1264933	Soil	0.6	42.2	9.6	70	0.2	24.5	10.6	463	3.15	10.7	0.9	14.1	3.7	22	<0.1	0.7	0.2	56	0.29	0.039
REP 1264933	QC	0.8	40.8	10.0	70	0.2	23.9	10.6	467	3.16	10.5	0.9	7.1	3.6	23	<0.1	0.7	0.2	55	0.30	0.038
1264938	Soil	0.6	66.4	7.6	84	0.9	26.2	18.7	1408	3.16	8.9	0.9	19.2	1.5	24	0.7	0.3	0.2	56	0.53	0.078
REP 1264938	QC	0.7	65.1	7.6	83	0.9	25.7	18.5	1371	3.12	9.5	0.9	22.2	1.5	23	0.7	0.4	0.1	54	0.53	0.079
Reference Materials																					
STD DS9	Standard	13.1	110.0	126.6	306	1.7	38.7	7.5	615	2.63	25.9	2.7	113.9	6.8	65	2.3	5.6	6.0	43	0.68	0.076
STD DS9	Standard	12.7	105.4	127.7	314	1.8	36.8	7.7	666	2.49	25.1	2.7	102.4	6.7	70	2.5	5.8	5.8	42	0.71	0.084
STD DS9	Standard	13.5	109.0	125.4	310	1.8	38.9	7.8	607	2.63	25.5	2.6	115.6	6.6	65	2.4	5.8	6.1	39	0.66	0.075
STD DS9	Standard	12.6	107.6	126.5	311	1.8	35.9	7.4	628	2.37	23.2	2.6	106.5	6.4	65	1.7	6.0	6.1	40	0.69	0.077
STD DS9	Standard	12.7	107.1	125.3	309	1.6	36.0	7.3	630	2.34	23.6	2.6	119.6	6.0	63	2.2	5.6	5.8	41	0.67	0.083
STD DS9	Standard	12.9	110.8	126.1	315	1.7	38.1	7.4	622	2.64	25.2	2.6	103.6	6.4	66	2.6	6.1	6.5	43	0.65	0.078
STD DS9	Standard	13.7	112.8	131.4	317	1.8	39.3	7.9	681	2.56	24.6	2.7	109.7	7.0	72	2.3	5.9	6.1	44	0.74	0.081
STD DS9	Standard	13.1	111.3	125.9	311	1.9	37.6	7.4	593	2.57	24.5	2.5	107.6	6.2	64	2.2	5.9	6.3	40	0.66	0.075
STD DS9	Standard	14.2	111.2	126.3	299	1.5	39.3	7.5	627	2.45	24.6	2.9	119.2	7.3	72	2.1	5.8	6.3	46	0.72	0.076
STD DS9 Expected		12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	2.69	118	6.38	69.6	2.4	4.94	6.32	40	0.7201	0.0819
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	0.7	<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
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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Project: KSD  
 Report Date: July 26, 2013

Page: 2 of 3

Part: 2 of 1

# QUALITY CONTROL REPORT

WHI13000111.1

		1DX15 La ppm	1DX15 Cr ppm	1DX15 Mg %	1DX15 Ba ppm	1DX15 Ti %	1DX15 B ppm	1DX15 Al %	1DX15 Na %	1DX15 K %	1DX15 W ppm	1DX15 Hg ppm	1DX15 Sc ppm	1DX15 Ti ppm	1DX15 S %	1DX15 Ga ppm	1DX15 Se ppm	1DX15 Te ppm
1379752	Soil	13	23	1.12	194	0.012	<1	1.86	0.004	0.02	<0.1	0.06	6.5	<0.1	<0.05	5	1.2	0.8
REP 1379752	QC	13	25	1.19	200	0.013	<1	1.98	0.004	0.02	<0.1	0.06	7.1	<0.1	0.08	5	1.0	0.8
1397451	Rock Pulp	4	32	0.78	95	0.112	2	1.52	0.073	0.12	12.3	<0.01	4.6	<0.1	0.08	5	<0.5	<0.2
REP 1397451	QC	4	33	0.80	93	0.111	2	1.53	0.076	0.12	11.9	0.02	4.7	<0.1	0.09	5	<0.5	<0.2
1397467	Soil	16	33	1.24	255	0.032	<1	1.92	0.003	0.06	<0.1	0.01	4.2	<0.1	<0.05	5	0.9	<0.2
REP 1397467	QC	16	33	1.25	260	0.030	<1	1.95	0.003	0.05	<0.1	0.01	4.3	<0.1	<0.05	6	<0.5	<0.2
1264933	Soil	14	31	0.98	353	0.044	<1	1.87	0.011	0.04	0.1	0.03	6.5	<0.1	<0.05	5	<0.5	<0.2
REP 1264933	QC	14	31	1.01	360	0.045	<1	1.90	0.011	0.04	0.2	0.04	6.7	<0.1	<0.05	5	<0.5	<0.2
1264938	Soil	13	32	1.10	274	0.017	<1	2.05	0.006	0.03	0.1	0.04	7.7	<0.1	<0.05	5	0.7	<0.2
REP 1264938	QC	12	32	1.07	262	0.017	<1	2.00	0.006	0.03	0.1	0.04	7.5	<0.1	<0.05	5	0.6	<0.2
Reference Materials																		
STD DS9	Standard	15	119	0.61	287	0.119	3	0.92	0.076	0.42	3.2	0.25	2.6	5.2	0.14	5	5.6	5.0
STD DS9	Standard	16	119	0.69	286	0.119	3	0.93	0.100	0.42	3.2	0.22	2.8	5.3	0.16	5	6.3	4.6
STD DS9	Standard	14	116	0.59	276	0.110	3	0.90	0.079	0.42	3.1	0.22	2.7	5.1	0.14	5	5.5	4.4
STD DS9	Standard	14	115	0.68	269	0.106	3	0.89	0.092	0.41	2.9	0.21	2.6	5.2	0.06	5	4.8	4.7
STD DS9	Standard	14	115	0.69	269	0.105	3	0.89	0.091	0.41	3.1	0.18	2.7	5.1	0.13	5	3.6	4.8
STD DS9	Standard	15	121	0.60	299	0.115	<1	0.90	0.073	0.40	3.4	0.22	2.5	5.3	0.16	5	4.5	5.0
STD DS9	Standard	17	124	0.72	291	0.123	3	0.98	0.097	0.44	2.9	0.18	2.9	5.5	0.12	4	5.2	5.3
STD DS9	Standard	13	118	0.58	267	0.112	3	0.87	0.082	0.41	3.1	0.22	2.4	5.1	0.14	5	4.7	5.1
STD DS9	Standard	17	126	0.59	288	0.123	3	0.94	0.083	0.40	2.7	0.19	2.4	5.0	0.11	5	6.3	4.9
STD DS9 Expected		13.3	121	0.6165	295	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
BLK	Blank	<1	<1	<0.01	<1	<0.001	<1	<0.01	<0.001	<0.01	<0.1	0.03	<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
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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Project: KSD  
 Report Date: July 26, 2013

Page: 3 of 3

Part: 1 of 1

## QUALITY CONTROL REPORT

WHI13000111.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
		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	0.03	<0.5	<0.1	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01	<0.001



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**Page:** 3 of 3

**Part:** 2 of 1

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WHI13000111.1

		1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	1DX15	
		La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	Te
		ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm
		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	0.07	<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	0.6	<0.2