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

Submitted By: Gerry Carlson
Receiving Lab: Canada-Whitehorse
Received: August 14, 2013
Report Date: August 28, 2013
Page: 1 of 7

CERTIFICATE OF ANALYSIS

WHI13000294.1

CLIENT JOB INFORMATION

Project: KSD
Shipment ID: KSDGP13-001
P.O. Number
Number of Samples: 158

SAMPLE DISPOSAL

STOR-PLP Store After 90 days Invoice for Storage
DISP-RJT Dispose of Reject After 90 days

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

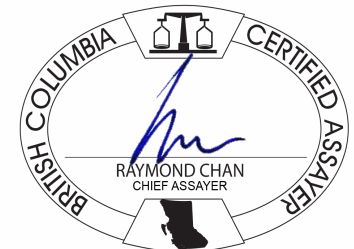
Invoice To: Pacific Ridge Exploration Ltd.
1100 - 1199 West Hastings Street
Vancouver BC V6E 3T5
CANADA

CC: John Brock

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
R200-250	152	Crush, split and pulverize 250 g rock to 200 mesh			WHI
G601	158	Fire Assay Fusion Au - AAS Finish	30	Completed	VAN
1DX1	158	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	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.

CERTIFICATE OF ANALYSIS

WHI13000294.1

Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1341838	Rock	0.97	0.129	0.8	22.4	7.8	63	0.5	29.2	17.8	873	4.19	14.0	75.3	8.4	15	0.2	0.4	0.3	30	0.30
1341839	Rock	0.94	0.020	0.6	8.9	4.5	43	0.2	47.0	22.2	833	4.26	5.7	17.1	10.8	18	<0.1	<0.1	0.2	54	0.38
1341840	Rock	1.24	0.400	2.2	8.3	5.4	64	0.5	68.0	21.1	946	3.78	9.9	31.6	8.0	18	0.1	0.4	0.2	30	1.01
1341841	Rock	1.16	0.045	0.5	7.3	5.5	49	0.3	64.3	22.4	934	4.08	6.1	19.2	8.4	17	0.3	0.1	0.3	34	1.24
1341842	Rock	1.10	0.026	0.8	14.7	6.4	123	0.4	108.8	28.9	970	4.85	12.3	24.1	6.6	14	0.3	0.7	0.4	50	0.36
1341843	Rock	1.34	0.027	0.5	5.1	4.0	84	0.2	92.5	25.3	1026	4.39	7.6	23.9	6.1	43	0.2	0.2	0.2	43	2.64
1341844	Rock	0.95	0.022	0.2	20.2	4.0	46	0.3	42.5	20.3	728	4.42	6.8	20.5	7.5	21	0.1	0.1	0.4	65	0.59
1341845	Rock	0.94	0.032	0.4	7.4	5.9	55	0.3	56.9	22.6	1183	4.30	7.0	80.4	10.1	26	0.2	0.1	0.3	36	2.02
1341846	Rock	0.83	0.014	0.3	20.8	3.6	95	0.3	27.3	17.1	844	3.94	4.7	12.6	2.5	12	0.5	<0.1	0.3	64	0.24
1341847	Rock	0.93	0.010	0.2	15.0	5.8	42	0.2	50.3	19.7	963	3.82	3.6	7.9	10.3	38	0.3	0.1	0.1	63	8.59
1341848	Rock	0.80	0.029	0.4	46.3	6.2	71	0.4	9.9	12.0	816	3.75	17.3	21.9	3.6	19	0.4	0.2	0.2	26	3.87
1341849	Rock	0.73	0.746	0.6	231.5	6.1	81	1.4	12.2	16.6	929	4.28	12.6	501.0	2.4	65	0.7	0.1	0.2	58	2.84
1341850	Rock	0.92	0.029	0.2	35.3	3.9	77	0.3	12.1	18.3	815	5.56	9.3	23.5	0.9	57	0.2	<0.1	0.3	137	2.09
1341851	Rock	0.93	0.019	0.4	37.0	6.4	85	0.5	17.5	23.5	1194	5.57	12.8	14.6	1.3	54	0.4	0.2	0.7	114	2.72
1341852	Rock	0.94	0.033	0.5	31.3	5.1	83	0.3	37.3	16.9	648	3.82	11.7	32.2	5.0	8	0.5	0.1	0.5	41	0.28
1341853	Rock	0.79	0.013	0.4	37.6	6.1	76	0.3	20.6	26.0	930	4.56	11.9	12.3	2.1	18	0.4	0.2	0.5	54	0.68
1341854	Rock	1.03	0.009	0.2	34.3	6.5	77	0.3	48.6	19.0	1030	4.07	4.9	10.3	10.0	76	0.8	0.1	0.4	62	3.27
1341855	Rock	0.47	0.008	0.3	28.8	4.3	145	0.2	175.8	27.4	1313	5.06	2.0	6.9	3.7	64	1.1	<0.1	0.1	122	1.84
1341856	Rock	0.71	0.019	0.2	51.7	5.5	120	0.3	28.8	24.2	1251	6.01	4.5	19.3	2.4	16	0.6	0.2	0.3	110	0.65
1341857	Rock	1.13	0.043	0.4	50.4	4.5	101	0.5	16.9	23.5	1099	5.62	4.8	41.3	1.6	7	0.4	0.1	0.6	75	0.23
1341858	Rock	0.89	0.025	0.3	77.3	4.4	78	0.5	44.0	26.7	1085	5.45	7.0	18.7	2.1	8	0.4	0.2	0.5	101	0.26
1266788	Rock Pulp	0.05	0.006	2.5	23.3	2.4	44	0.2	22.7	9.9	380	2.31	4.4	<0.5	0.9	40	0.1	0.3	<0.1	55	0.79
1266789	Rock Pulp	0.05	0.903	4.5	31.6	5.4	49	0.3	24.7	8.8	382	2.44	5.5	538.0	0.9	40	0.1	0.8	0.1	55	0.80
1341765	Rock	1.13	0.025	0.4	25.7	5.3	73	0.3	10.4	13.8	735	4.11	7.5	21.9	2.5	8	0.2	0.1	0.1	23	0.15
1341766	Rock	1.20	0.324	0.4	19.4	13.0	68	0.6	9.3	15.6	1276	4.32	10.3	81.9	2.3	13	0.8	0.2	0.2	15	0.85
1341767	Rock	1.40	2.041	0.3	83.6	16.1	108	1.3	5.4	16.8	660	5.62	117.9	1156	2.1	16	0.3	0.7	0.2	34	0.46
1341768	Rock	0.85	0.062	0.4	61.8	10.4	96	0.5	7.8	13.4	1442	4.15	12.0	82.0	2.2	10	0.6	0.3	0.1	21	0.24
1341769	Rock	0.66	0.018	0.3	50.3	5.7	91	0.3	9.3	13.7	1003	3.86	7.6	20.8	4.0	6	0.1	0.2	0.3	29	0.15
1341770	Rock	0.78	0.015	0.9	38.1	3.7	99	0.2	6.1	11.0	968	4.21	2.5	21.4	1.8	4	0.2	0.1	<0.1	69	0.07
1341771	Rock	0.98	0.014	0.3	30.5	4.0	116	0.2	8.2	11.9	1006	3.43	4.9	9.1	2.1	8	0.2	0.1	0.1	25	0.15



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Project: KSD
 Report Date: August 28, 2013

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CERTIFICATE OF ANALYSIS

WHI13000294.1

Method Analyte Unit MDL	1DX P	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Sc	1DX TI	1DX S	1DX Ga	1DX Se	1DX Te	
	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1341838	Rock	0.113	62	23	0.92	213	0.003	<20	1.67	0.030	0.21	<0.1	<0.01	9.1	<0.1	<0.05	5	0.7	<0.2
1341839	Rock	0.152	112	90	2.17	166	0.004	<20	2.72	0.032	0.11	<0.1	<0.01	10.7	<0.1	<0.05	7	<0.5	<0.2
1341840	Rock	0.134	86	80	1.29	232	0.003	<20	1.72	0.025	0.19	<0.1	<0.01	7.6	0.1	<0.05	4	0.7	<0.2
1341841	Rock	0.154	75	90	1.30	149	0.003	<20	1.71	0.032	0.15	<0.1	<0.01	8.1	<0.1	<0.05	4	<0.5	<0.2
1341842	Rock	0.139	59	153	1.95	172	0.002	<20	2.43	0.020	0.15	<0.1	0.02	9.0	0.1	<0.05	6	<0.5	<0.2
1341843	Rock	0.111	69	129	2.12	142	0.003	<20	2.40	0.022	0.14	<0.1	0.01	9.0	<0.1	<0.05	6	<0.5	<0.2
1341844	Rock	0.127	72	63	2.10	131	0.005	<20	2.49	0.043	0.09	<0.1	<0.01	11.4	<0.1	<0.05	6	0.5	<0.2
1341845	Rock	0.156	106	75	1.23	138	0.003	<20	1.73	0.031	0.13	<0.1	<0.01	9.6	<0.1	<0.05	4	<0.5	<0.2
1341846	Rock	0.059	21	50	1.76	142	0.002	<20	2.41	0.017	0.07	<0.1	<0.01	10.4	<0.1	<0.05	6	<0.5	<0.2
1341847	Rock	0.159	100	87	0.42	323	0.001	<20	1.46	0.019	0.07	0.2	<0.01	15.1	<0.1	<0.05	4	<0.5	<0.2
1341848	Rock	0.049	11	11	0.42	205	<0.001	<20	1.31	0.015	0.11	<0.1	<0.01	8.3	<0.1	<0.05	3	<0.5	<0.2
1341849	Rock	0.054	11	15	1.66	140	0.004	<20	2.16	0.013	0.14	<0.1	<0.01	10.8	<0.1	<0.05	6	<0.5	<0.2
1341850	Rock	0.057	5	17	2.42	64	0.033	<20	3.03	0.028	0.06	<0.1	<0.01	14.6	<0.1	0.06	10	<0.5	<0.2
1341851	Rock	0.050	11	28	2.71	100	0.008	<20	3.21	0.017	0.10	<0.1	<0.01	15.9	<0.1	<0.05	9	<0.5	0.3
1341852	Rock	0.074	36	57	2.05	136	0.005	<20	2.35	0.040	0.13	<0.1	<0.01	9.1	<0.1	<0.05	7	1.1	<0.2
1341853	Rock	0.064	21	31	2.47	127	0.005	<20	2.68	0.020	0.11	<0.1	<0.01	10.9	<0.1	<0.05	7	0.7	<0.2
1341854	Rock	0.175	121	91	2.86	128	0.005	<20	3.04	0.031	0.12	<0.1	<0.01	11.9	<0.1	<0.05	8	0.8	<0.2
1341855	Rock	0.089	44	473	4.56	72	0.011	<20	4.17	0.009	0.07	<0.1	<0.01	19.8	<0.1	<0.05	10	<0.5	<0.2
1341856	Rock	0.076	29	51	3.20	141	0.008	<20	3.71	0.018	0.12	<0.1	<0.01	14.9	<0.1	<0.05	10	0.5	<0.2
1341857	Rock	0.069	10	51	2.82	171	0.008	<20	3.18	0.022	0.14	<0.1	<0.01	11.7	<0.1	<0.05	9	1.0	0.2
1341858	Rock	0.067	20	89	3.20	139	0.016	<20	3.42	0.019	0.08	<0.1	<0.01	14.4	<0.1	<0.05	9	1.0	<0.2
1266788	Rock Pulp	0.057	4	28	0.76	96	0.117	<20	1.52	0.070	0.13	13.4	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
1266789	Rock Pulp	0.055	4	32	0.72	92	0.117	<20	1.51	0.075	0.13	10.3	0.05	4.4	<0.1	<0.05	5	<0.5	<0.2
1341765	Rock	0.075	5	9	0.91	119	0.003	<20	1.48	0.040	0.16	<0.1	<0.01	5.6	<0.1	0.10	4	0.8	<0.2
1341766	Rock	0.105	4	3	0.29	125	0.002	<20	0.79	0.044	0.18	<0.1	<0.01	5.4	<0.1	0.53	2	0.8	0.4
1341767	Rock	0.139	9	4	1.04	86	0.002	<20	2.21	0.033	0.13	<0.1	<0.01	7.7	<0.1	<0.05	6	<0.5	<0.2
1341768	Rock	0.101	4	6	0.64	81	0.002	<20	1.16	0.047	0.12	<0.1	0.02	7.1	<0.1	0.16	3	0.7	<0.2
1341769	Rock	0.060	12	9	1.51	152	0.003	<20	2.13	0.012	0.13	<0.1	0.01	5.8	<0.1	0.17	5	<0.5	<0.2
1341770	Rock	0.057	8	5	2.38	72	0.004	<20	2.53	0.040	0.06	<0.1	0.01	9.8	<0.1	<0.05	7	<0.5	<0.2
1341771	Rock	0.056	4	10	1.09	209	0.002	<20	1.50	0.040	0.14	<0.1	0.01	5.3	<0.1	0.20	4	<0.5	<0.2

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Method Analyte	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Unit	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1341772	Rock	0.66	0.010	0.7	81.6	5.0	87	0.4	15.7	22.7	1490	4.39	4.5	12.3	1.4	29	<0.1	0.1	0.2	36	1.62
1341773	Rock	1.03	0.022	0.4	39.9	6.0	259	0.3	3.8	11.1	738	3.91	24.4	23.1	3.4	5	0.5	0.2	0.3	25	0.11
1341774	Rock	0.88	0.017	0.4	33.7	9.5	112	0.3	4.6	12.7	1281	3.92	16.6	15.5	3.5	6	1.1	<0.1	0.4	28	0.14
1341775	Rock	0.95	0.010	0.5	54.4	9.7	70	0.4	25.2	21.4	1097	4.21	4.8	8.7	1.4	4	0.1	0.2	0.2	64	0.09
1341776	Rock	0.93	0.024	2.2	71.5	10.2	62	0.9	23.3	23.5	1229	5.04	10.7	18.3	1.4	6	0.1	0.2	0.8	30	0.07
1341777	Rock	0.96	0.012	1.9	13.5	6.2	71	0.3	17.1	14.1	814	4.96	12.7	8.4	0.9	4	0.1	0.2	0.5	52	0.04
1341778	Rock	0.88	0.024	0.5	65.6	15.8	132	0.4	12.5	13.7	687	4.03	6.2	13.8	2.6	7	0.7	0.2	0.2	34	0.10
1341779	Rock	1.04	0.026	0.3	80.6	12.4	200	0.6	10.7	19.3	713	4.67	7.4	19.8	1.2	5	0.6	0.2	0.1	72	0.08
1341780	Rock	1.01	0.038	0.5	182.6	47.3	200	1.0	19.1	33.6	1840	6.16	8.5	26.1	0.5	11	1.5	0.2	0.2	78	0.17
1341781	Rock	0.88	0.025	0.2	91.7	25.2	160	0.5	11.2	21.6	1140	4.12	5.7	16.3	0.9	29	1.1	0.1	<0.1	73	2.44
1341782	Rock	0.71	0.015	0.4	93.2	16.8	92	0.4	8.7	15.0	1124	3.01	4.4	10.4	0.6	48	0.8	0.2	<0.1	38	2.98
1341783	Rock	1.25	0.016	0.1	121.4	32.0	142	0.8	13.2	24.3	885	4.31	3.8	11.5	0.5	31	0.6	0.2	0.1	85	2.01
1341784	Rock	0.82	0.017	0.5	156.2	19.9	234	0.8	15.1	23.0	1363	4.18	3.4	9.9	0.6	10	2.4	0.1	<0.1	62	0.39
1341785	Rock	1.07	0.037	<0.1	177.0	22.1	189	1.3	13.4	17.7	862	4.28	4.0	31.8	0.6	5	1.8	0.3	<0.1	68	0.10
1265963	Rock	0.89	0.024	0.6	15.0	8.4	179	0.2	8.1	9.2	440	2.94	9.9	13.5	3.2	5	1.4	<0.1	0.1	23	0.15
1265964	Rock	0.86	0.008	0.9	18.4	17.0	107	0.3	11.2	7.3	342	2.92	16.5	4.7	4.4	7	0.5	0.2	0.3	17	0.20
1265965	Rock	1.14	0.012	0.9	37.3	23.3	111	0.5	20.5	6.5	425	2.09	19.4	7.4	6.7	7	0.8	0.1	0.4	13	0.19
1265966	Rock	1.10	0.013	1.1	34.1	58.1	279	0.6	15.7	9.1	592	2.84	15.0	6.5	4.8	6	2.4	0.2	0.2	21	0.15
1265967	Rock	1.17	0.007	0.4	23.1	25.6	139	0.3	17.0	7.7	416	2.51	78.6	2.5	5.0	6	0.8	0.1	<0.1	23	0.21
1265968	Rock	0.85	0.023	0.2	56.8	161.9	411	1.0	7.8	17.1	736	5.59	11.8	15.7	1.6	4	2.9	0.4	<0.1	164	0.13
1265969	Rock	1.06	0.023	0.8	28.6	25.6	236	0.4	4.5	12.5	630	3.90	12.5	15.5	3.5	6	2.1	0.3	<0.1	23	0.14
1265970	Rock	1.07	0.139	0.7	43.0	32.3	314	0.6	5.2	7.4	577	3.35	651.7	98.3	3.3	7	3.2	0.7	<0.1	20	0.16
1265971	Rock	1.04	0.025	0.4	67.0	16.8	141	0.4	22.1	23.9	1298	5.21	11.8	16.0	1.1	28	2.8	0.1	<0.1	91	2.26
1265972	Rock	1.06	0.006	0.2	29.8	9.6	87	0.2	21.9	20.4	1520	3.10	3.9	4.2	0.4	100	0.3	<0.1	<0.1	43	5.74
1265973	Rock	1.11	0.023	0.2	56.7	13.2	110	0.3	23.0	20.6	1110	3.49	5.3	14.3	0.5	61	0.5	<0.1	<0.1	66	4.51
1265974	Rock	0.81	0.012	0.2	35.6	22.8	97	0.3	17.0	22.1	962	4.49	5.3	8.0	0.8	57	0.6	0.1	<0.1	113	4.43
1265975	Rock	0.98	0.018	0.1	104.1	29.4	216	0.7	19.5	23.0	1104	4.18	14.0	10.9	0.4	34	0.7	0.2	0.1	100	2.98
1265976	Rock	1.31	0.012	<0.1	64.1	17.2	169	0.4	22.6	21.8	1194	3.74	5.4	7.4	0.5	41	0.7	<0.1	0.1	69	3.61
1265977	Rock	0.74	0.005	<0.1	49.0	19.7	108	0.2	24.1	24.1	1176	4.38	2.1	2.4	0.5	43	0.5	0.1	<0.1	134	2.61
1265978	Rock	1.18	0.286	0.4	42.5	17.2	133	0.5	24.4	22.9	1685	3.25	4.7	66.8	0.2	59	1.8	0.1	<0.1	21	8.15

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Project: KSD
 Report Date: August 28, 2013

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CERTIFICATE OF ANALYSIS

WHI13000294.1

Method Analyte Unit MDL	1DX P	1DX La	1DX Cr	1DX Mg	1DX Ba	1DX Ti	1DX B	1DX Al	1DX Na	1DX K	1DX W	1DX Hg	1DX Sc	1DX TI	1DX S	1DX Ga	1DX Se	1DX Te	
	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	ppm	
	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1341772	Rock	0.050	1	10	1.81	94	0.002	<20	2.05	0.031	0.11	<0.1	<0.01	7.8	<0.1	0.65	5	1.0	<0.2
1341773	Rock	0.057	8	5	1.48	175	0.002	<20	2.00	0.033	0.17	<0.1	0.02	5.2	<0.1	0.09	5	0.7	<0.2
1341774	Rock	0.085	14	3	1.39	176	0.002	<20	2.00	0.028	0.17	<0.1	<0.01	5.5	<0.1	<0.05	5	<0.5	<0.2
1341775	Rock	0.043	5	33	2.59	128	0.003	<20	2.65	0.022	0.10	<0.1	<0.01	8.7	<0.1	0.11	6	0.9	<0.2
1341776	Rock	0.069	5	26	1.83	126	0.002	<20	1.92	0.020	0.12	<0.1	0.03	4.1	<0.1	<0.05	4	2.3	<0.2
1341777	Rock	0.047	2	17	2.71	98	0.002	<20	2.55	0.011	0.09	<0.1	0.01	5.0	<0.1	<0.05	5	1.0	<0.2
1341778	Rock	0.060	6	10	1.46	114	0.002	<20	1.81	0.023	0.14	<0.1	0.02	5.7	<0.1	<0.05	4	1.2	<0.2
1341779	Rock	0.035	3	11	2.43	73	0.003	<20	2.77	0.028	0.11	<0.1	0.02	9.0	<0.1	0.14	6	0.9	<0.2
1341780	Rock	0.025	3	14	1.60	117	0.001	<20	2.37	0.032	0.11	<0.1	0.02	15.5	<0.1	0.19	4	0.8	<0.2
1341781	Rock	0.031	2	12	2.28	93	0.003	<20	2.60	0.022	0.09	<0.1	0.02	10.9	<0.1	0.59	5	<0.5	<0.2
1341782	Rock	0.019	2	11	1.23	102	0.002	<20	1.54	0.023	0.10	<0.1	0.01	6.7	<0.1	0.35	3	0.6	<0.2
1341783	Rock	0.016	2	11	2.33	118	0.004	<20	2.72	0.035	0.12	<0.1	0.02	8.9	<0.1	0.53	6	0.7	<0.2
1341784	Rock	0.021	4	15	2.51	130	0.004	<20	2.66	0.036	0.11	<0.1	0.02	8.0	<0.1	0.06	5	<0.5	<0.2
1341785	Rock	0.025	4	11	2.42	227	0.032	<20	2.64	0.015	0.10	<0.1	0.02	7.7	<0.1	<0.05	5	0.7	<0.2
1265963	Rock	0.066	10	13	1.61	168	0.004	<20	1.83	0.016	0.20	<0.1	<0.01	3.9	<0.1	<0.05	4	<0.5	<0.2
1265964	Rock	0.081	8	13	1.76	163	0.003	<20	1.84	0.009	0.16	<0.1	0.01	3.2	<0.1	0.06	4	<0.5	<0.2
1265965	Rock	0.096	17	17	0.79	229	0.003	<20	1.13	0.023	0.20	<0.1	<0.01	2.5	<0.1	<0.05	3	0.5	<0.2
1265966	Rock	0.076	15	13	1.55	182	0.003	<20	1.75	0.007	0.17	<0.1	0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1265967	Rock	0.084	13	18	2.10	144	0.003	<20	2.07	0.007	0.14	<0.1	<0.01	3.1	<0.1	<0.05	5	<0.5	<0.2
1265968	Rock	0.064	6	5	1.77	51	0.007	<20	2.77	0.036	0.06	<0.1	0.01	14.7	<0.1	<0.05	10	1.9	<0.2
1265969	Rock	0.078	7	5	1.00	107	0.003	<20	1.66	0.028	0.16	<0.1	0.02	5.6	<0.1	0.06	5	0.6	<0.2
1265970	Rock	0.068	7	5	0.83	107	0.002	<20	1.37	0.023	0.13	<0.1	0.02	5.6	<0.1	<0.05	4	1.0	<0.2
1265971	Rock	0.039	2	11	2.08	57	0.003	<20	2.84	0.017	0.09	<0.1	0.02	12.2	<0.1	0.21	7	<0.5	<0.2
1265972	Rock	0.018	1	17	2.06	55	0.003	<20	2.39	0.024	0.10	<0.1	<0.01	10.7	<0.1	<0.05	5	<0.5	<0.2
1265973	Rock	0.019	2	20	2.43	73	0.003	<20	2.81	0.019	0.10	<0.1	<0.01	11.6	<0.1	0.08	5	<0.5	<0.2
1265974	Rock	0.029	3	23	2.32	35	0.003	<20	3.06	0.025	0.07	<0.1	0.01	12.3	<0.1	<0.05	7	0.6	<0.2
1265975	Rock	0.018	2	16	2.61	71	0.003	<20	3.00	0.013	0.09	<0.1	<0.01	12.1	<0.1	0.30	5	1.1	<0.2
1265976	Rock	0.015	2	13	2.47	65	0.003	<20	2.92	0.015	0.10	<0.1	<0.01	9.0	<0.1	0.10	6	<0.5	<0.2
1265977	Rock	0.021	2	15	2.63	83	0.008	<20	3.34	0.017	0.08	<0.1	<0.01	11.3	<0.1	<0.05	7	<0.5	<0.2
1265978	Rock	0.018	<1	9	0.75	102	0.001	<20	0.93	0.015	0.09	<0.1	<0.01	7.6	<0.1	0.14	2	<0.5	<0.2

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Project: KSD
 Report Date: August 28, 2013

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CERTIFICATE OF ANALYSIS

WHI13000294.1

Method Analyte	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Unit	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
MDL	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1265979	Rock	0.75	0.013	0.3	18.9	9.2	99	0.2	19.2	19.2	1202	4.74	7.2	10.5	1.7	15	0.2	0.1	0.3	27	1.99
1265980	Rock	1.21	0.027	0.4	28.6	7.3	94	0.2	20.3	19.0	1126	3.75	6.9	12.2	1.9	25	<0.1	0.2	0.4	28	2.02
1265981	Rock	0.88	0.011	0.2	18.0	5.9	82	0.1	16.6	17.2	1299	3.38	6.0	7.6	2.0	49	<0.1	0.1	0.3	28	2.85
1265982	Rock	1.12	0.020	1.0	32.2	7.7	85	0.3	11.9	14.7	1275	3.62	9.5	27.1	2.6	8	0.2	0.4	0.3	30	0.42
1265983	Rock	0.93	0.014	0.4	18.3	4.6	94	0.2	14.7	12.3	875	3.42	6.4	8.0	2.1	11	0.1	0.1	0.2	24	0.52
1265984	Rock	1.21	0.013	0.5	31.4	4.9	71	0.2	9.7	17.1	804	3.96	9.6	5.0	3.2	7	0.1	0.2	0.2	31	0.44
1265985	Rock	1.15	0.014	0.6	14.1	4.8	68	0.2	8.2	10.1	548	3.27	6.9	51.3	4.1	9	0.1	0.2	0.2	20	0.40
1265986	Rock	1.02	0.038	0.6	21.4	5.6	82	0.2	8.8	14.2	879	3.91	6.2	10.2	3.6	5	0.2	0.1	0.2	21	0.14
1265987	Rock	0.92	0.023	0.7	27.1	7.3	113	0.4	11.8	10.9	717	2.77	8.6	11.5	4.8	10	0.6	0.3	0.1	14	0.79
1265988	Rock	1.13	0.011	1.4	55.8	8.7	123	0.7	17.1	9.9	496	2.77	6.7	7.2	5.3	8	0.6	0.4	0.1	18	0.31
1265989	Rock	1.24	0.017	0.4	16.1	3.6	84	0.4	12.7	12.9	193	5.90	2.6	11.2	1.5	5	<0.1	<0.1	0.6	27	0.04
1265990	Rock	1.06	0.021	0.9	28.6	10.9	116	0.4	10.1	15.5	474	6.62	1.8	19.3	1.7	4	0.2	0.1	0.4	50	0.04
1265991	Rock	1.05	0.012	<0.1	47.6	16.9	220	0.4	17.6	23.8	1502	5.67	1.7	7.7	1.3	5	1.4	0.1	0.3	93	0.13
1265992	Rock	0.92	0.014	0.3	55.9	11.9	161	0.8	13.2	19.6	850	6.11	5.5	12.5	1.8	4	0.4	<0.1	0.2	84	0.10
1265993	Rock	0.88	0.026	0.7	42.1	10.7	127	0.5	8.8	15.4	801	4.19	10.9	13.4	2.5	5	1.3	0.3	0.2	27	0.09
1265994	Rock	0.78	0.168	0.6	17.7	12.6	90	0.4	3.8	6.3	237	2.20	3.1	50.0	3.3	3	0.7	0.1	0.2	5	0.02
1265995	Rock	0.87	0.016	0.6	32.3	9.4	69	0.3	8.4	10.8	941	2.96	7.4	10.7	3.8	5	0.6	0.2	0.1	18	0.10
1265996	Rock	0.72	0.006	0.3	8.3	6.5	74	0.1	13.6	7.4	1001	2.82	2.4	4.5	2.8	5	0.3	<0.1	<0.1	30	0.17
1265997	Rock	0.88	0.011	<0.1	14.1	8.1	72	0.2	12.8	8.8	942	2.99	3.1	4.1	3.2	12	0.4	<0.1	<0.1	33	0.79
1265998	Rock	0.95	0.017	0.2	11.0	11.7	79	<0.1	6.3	10.3	912	3.22	4.3	8.1	3.3	4	0.5	0.1	0.2	28	0.05
1265999	Rock	0.85	0.015	0.7	31.0	20.2	467	0.4	3.1	7.8	500	4.48	10.4	9.6	3.1	4	1.2	0.2	0.3	27	0.02
1266000	Rock	0.85	0.009	0.5	6.1	19.0	96	0.2	5.7	8.4	590	3.25	5.3	6.4	3.5	4	0.4	<0.1	0.2	13	0.03
1341751	Rock	0.96	0.034	0.3	13.0	28.3	276	0.4	7.4	5.9	404	2.61	6.6	24.1	3.8	5	1.8	0.3	<0.1	15	0.15
1341752	Rock	0.97	0.055	0.6	59.9	75.2	680	1.1	11.9	16.8	735	4.40	8.3	37.8	4.0	4	3.2	0.4	<0.1	55	0.11
1341753	Rock	0.90	0.049	0.2	60.9	38.7	534	0.5	9.3	12.4	923	3.26	2.7	33.8	2.4	5	3.0	0.2	<0.1	28	0.08
1341754	Rock	0.94	0.033	0.8	74.2	73.9	653	0.7	9.9	13.8	526	3.83	9.2	34.5	2.3	15	4.0	0.3	<0.1	29	0.09
1341755	Rock	1.04	0.041	2.0	100.3	253.7	1429	1.6	15.4	30.9	2163	4.85	6.4	37.8	1.7	9	13.3	0.4	0.4	43	0.59
1341756	Rock	0.82	0.049	0.9	100.2	147.3	1384	1.1	14.6	40.5	1287	6.00	10.1	156.5	1.9	6	6.3	0.4	0.4	41	0.07
1341757	Rock	1.16	0.022	0.4	74.6	77.0	847	0.9	12.0	20.1	787	3.59	2.7	18.5	2.4	4	4.7	0.4	<0.1	40	0.10
1341758	Rock	0.58	0.048	0.3	51.2	36.0	212	0.6	5.9	7.2	372	2.23	2.9	43.5	2.8	4	2.0	0.2	<0.1	10	0.06

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CERTIFICATE OF ANALYSIS

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	P	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	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1265979	Rock	0.057	1	23	1.70	118	0.002	<20	2.02	0.010	0.11	<0.1	0.01	4.7	<0.1	1.46	4	2.4	0.2
1265980	Rock	0.060	2	24	1.70	121	0.002	<20	2.01	0.014	0.12	<0.1	<0.01	4.6	<0.1	0.62	4	<0.5	<0.2
1265981	Rock	0.058	4	21	1.71	119	0.003	<20	1.95	0.009	0.11	<0.1	<0.01	4.3	<0.1	0.68	4	<0.5	<0.2
1265982	Rock	0.066	7	13	1.36	169	0.002	<20	1.73	0.008	0.09	<0.1	<0.01	4.4	<0.1	<0.05	4	<0.5	<0.2
1265983	Rock	0.052	7	17	1.61	149	0.003	<20	1.78	0.008	0.13	<0.1	<0.01	3.4	<0.1	0.30	4	<0.5	<0.2
1265984	Rock	0.060	10	10	1.66	102	0.002	<20	2.07	0.016	0.10	<0.1	0.01	5.1	<0.1	0.12	4	<0.5	<0.2
1265985	Rock	0.075	15	10	1.54	108	0.003	<20	1.91	0.015	0.10	<0.1	0.01	4.7	<0.1	0.10	4	<0.5	0.2
1265986	Rock	0.070	11	8	1.24	207	0.002	<20	1.70	0.014	0.14	<0.1	<0.01	4.3	<0.1	0.19	4	<0.5	<0.2
1265987	Rock	0.096	11	10	0.81	222	0.003	<20	1.20	0.008	0.19	<0.1	0.01	2.6	<0.1	0.22	3	0.7	<0.2
1265988	Rock	0.084	10	13	0.93	255	0.003	<20	1.27	0.014	0.19	<0.1	<0.01	2.3	<0.1	<0.05	3	0.8	<0.2
1265989	Rock	0.049	2	11	1.00	95	0.002	<20	1.41	0.017	0.12	<0.1	0.01	4.8	<0.1	0.30	4	2.3	0.3
1265990	Rock	0.059	4	9	1.35	118	0.004	<20	1.96	0.020	0.12	<0.1	0.02	6.7	<0.1	0.06	5	2.5	0.3
1265991	Rock	0.038	4	16	2.71	221	0.004	<20	3.16	0.009	0.09	<0.1	0.02	7.9	<0.1	0.41	8	0.9	0.3
1265992	Rock	0.058	5	13	2.60	121	0.005	<20	3.26	0.015	0.09	<0.1	0.02	9.3	<0.1	0.08	8	1.1	0.3
1265993	Rock	0.059	5	7	1.12	132	0.002	<20	1.57	0.029	0.09	<0.1	0.01	6.0	<0.1	0.11	4	<0.5	<0.2
1265994	Rock	0.036	8	4	0.15	132	0.001	<20	0.42	0.030	0.14	<0.1	0.02	1.8	<0.1	<0.05	1	<0.5	<0.2
1265995	Rock	0.047	9	7	0.92	159	0.002	<20	1.30	0.020	0.13	<0.1	0.01	3.8	<0.1	<0.05	3	<0.5	<0.2
1265996	Rock	0.093	9	14	1.66	111	0.003	<20	1.91	0.028	0.11	<0.1	<0.01	4.9	<0.1	<0.05	5	<0.5	<0.2
1265997	Rock	0.079	11	16	1.53	75	0.002	<20	1.86	0.033	0.08	<0.1	<0.01	6.8	<0.1	0.06	5	<0.5	<0.2
1265998	Rock	0.049	12	6	1.31	62	0.002	<20	1.67	0.025	0.12	<0.1	<0.01	5.1	<0.1	<0.05	4	<0.5	<0.2
1265999	Rock	0.047	8	4	1.18	78	0.004	<20	1.51	0.015	0.11	<0.1	0.09	3.7	<0.1	<0.05	4	2.7	<0.2
1266000	Rock	0.038	7	6	0.76	157	0.002	<20	1.06	0.024	0.14	<0.1	<0.01	2.8	<0.1	0.06	3	0.8	<0.2
1341751	Rock	0.071	13	8	0.79	532	0.002	<20	1.32	0.013	0.10	<0.1	<0.01	4.0	<0.1	<0.05	3	<0.5	<0.2
1341752	Rock	0.062	12	16	2.18	261	0.003	<20	2.63	0.007	0.08	<0.1	0.03	7.0	<0.1	<0.05	7	<0.5	<0.2
1341753	Rock	0.046	5	11	1.30	282	0.002	<20	1.67	0.012	0.08	<0.1	0.04	4.3	<0.1	0.08	4	0.6	<0.2
1341754	Rock	0.049	5	10	1.25	690	0.002	<20	1.63	0.009	0.12	<0.1	0.03	3.9	<0.1	0.07	4	0.7	<0.2
1341755	Rock	0.054	4	9	1.86	416	0.002	<20	2.14	0.009	0.10	<0.1	0.13	5.8	<0.1	0.30	5	<0.5	0.4
1341756	Rock	0.054	4	8	1.87	340	0.002	<20	2.72	0.006	0.12	<0.1	0.16	5.0	<0.1	0.12	5	1.7	0.3
1341757	Rock	0.049	5	15	1.99	251	0.003	<20	2.23	0.007	0.08	<0.1	0.13	4.4	<0.1	0.09	5	<0.5	<0.2
1341758	Rock	0.048	8	8	0.54	298	0.003	<20	0.82	0.018	0.10	<0.1	0.02	2.5	<0.1	<0.05	2	1.0	<0.2

CERTIFICATE OF ANALYSIS

WHI13000294.1

Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1341759	Rock	1.16	0.042	0.5	43.5	34.3	279	0.7	6.7	8.2	189	3.39	9.3	35.2	2.8	10	0.4	0.2	0.2	14	0.02
1341760	Rock	1.01	0.026	0.4	17.9	18.4	110	0.4	10.8	14.5	656	3.28	4.2	25.9	3.5	8	1.1	0.1	0.2	16	0.11
1341761	Rock	1.07	0.009	0.5	17.0	20.8	130	0.3	10.9	14.4	892	2.94	1.9	5.9	3.6	6	2.4	<0.1	0.2	17	0.13
1341762	Rock	0.79	0.011	0.3	15.8	10.5	111	0.3	9.9	11.4	454	2.60	2.1	6.9	3.3	4	0.8	0.1	0.1	12	0.07
1341763	Rock	0.97	0.080	0.4	12.7	8.5	82	0.5	9.6	13.1	885	3.34	5.7	48.3	3.7	10	0.9	<0.1	0.3	7	0.45
1341764	Rock	1.10	0.033	1.2	17.1	7.9	271	0.3	11.8	16.5	1618	3.16	5.2	20.4	4.4	8	5.2	0.2	0.3	13	0.09
1266784	Rock Pulp	0.05	<0.005	2.2	21.7	2.3	39	0.2	21.2	9.6	359	2.21	4.3	1.1	0.8	38	0.2	0.2	<0.1	53	0.74
1266785	Rock Pulp	0.06	0.798	3.8	28.6	5.1	44	0.4	22.1	8.3	363	2.31	6.4	520.8	0.8	36	0.2	0.7	0.1	52	0.74
1341786	Rock	0.97	0.020	1.2	15.7	4.2	49	0.5	1.3	6.4	541	4.03	26.4	76.8	3.8	26	0.1	0.3	0.5	18	0.19
1341787	Rock	0.77	0.015	0.9	30.0	3.3	53	0.3	1.3	9.3	924	3.80	16.1	15.9	4.3	11	0.3	0.1	0.2	19	0.23
1341788	Rock	1.03	0.023	1.2	23.0	3.6	71	0.3	1.6	10.0	684	4.08	19.5	14.5	4.3	19	0.3	0.2	0.2	25	0.57
1341789	Rock	0.83	0.366	0.7	35.8	3.9	65	0.3	1.2	10.6	746	3.85	49.2	55.1	4.1	13	0.2	0.2	0.2	21	0.29
1341790	Rock	0.91	0.054	0.3	12.3	3.4	41	0.2	1.7	9.9	648	3.93	17.0	48.7	4.4	11	0.2	0.3	0.2	25	0.26
1341791	Rock	0.80	0.050	0.8	26.2	12.1	194	0.7	1.4	10.3	566	3.98	48.5	34.9	4.7	15	0.9	0.6	0.3	26	0.30
1341792	Rock	0.42	0.017	0.5	15.5	6.0	95	0.4	1.2	9.0	646	3.75	17.5	8.9	5.3	17	0.5	0.3	0.3	23	0.52
1341793	Rock	1.11	0.021	0.9	12.9	7.5	89	0.3	1.9	7.7	766	2.94	41.5	18.7	3.8	12	0.5	0.3	0.4	16	0.20
1341794	Rock	0.90	0.025	0.5	12.5	3.5	57	0.2	1.5	7.4	473	3.05	32.1	18.7	3.0	11	0.3	0.2	0.3	17	0.22
1341795	Rock	0.70	0.010	0.9	9.0	3.7	56	0.2	4.1	9.3	627	3.53	39.5	6.9	4.5	14	0.3	0.1	0.4	18	0.27
1341796	Rock	0.89	0.009	0.7	22.2	4.2	64	0.2	143.5	26.6	1062	4.91	22.2	5.0	2.7	9	0.2	0.1	0.4	78	0.24
1341797	Rock	0.96	0.010	0.7	11.2	3.1	43	0.2	4.9	8.0	520	3.11	12.6	5.9	4.4	11	0.2	0.1	0.2	14	0.23
1341798	Rock	0.82	0.382	1.0	11.8	3.6	55	0.3	6.0	10.4	815	4.19	18.4	244.9	4.3	18	0.1	0.2	0.4	22	0.33
1341799	Rock	0.71	0.095	0.8	17.7	3.7	50	0.2	7.0	9.6	739	3.52	28.9	33.0	4.9	16	0.2	0.2	0.4	16	0.31
1341800	Rock	0.90	0.025	0.8	28.1	4.7	55	0.2	2.7	10.1	686	3.75	32.5	16.0	4.3	12	0.2	0.4	0.4	23	0.23
1341801	Rock	0.72	0.027	0.8	37.9	4.7	58	0.3	0.9	11.2	742	4.27	37.7	22.5	5.2	21	0.2	0.3	0.3	24	0.36
1341802	Rock	0.73	0.033	0.6	18.6	3.6	73	0.2	1.1	10.9	590	4.16	27.7	103.1	5.2	13	0.2	0.3	0.3	24	0.30
1341803	Rock	0.72	0.014	0.6	19.5	4.5	69	0.2	1.4	9.0	647	3.59	26.3	15.9	4.4	18	0.2	0.2	0.3	23	0.30
1341804	Rock	0.81	0.013	0.7	27.2	3.3	54	0.2	1.3	11.3	635	3.98	20.0	11.5	4.5	15	0.2	0.2	0.2	29	0.27
1341805	Rock	0.93	0.011	0.9	24.2	5.0	60	0.2	1.2	9.4	729	4.34	39.6	8.9	5.2	13	0.3	0.4	0.3	23	0.30
1341806	Rock	0.90	0.008	0.7	20.6	3.8	43	0.1	3.9	6.0	530	2.18	21.7	4.2	5.7	7	0.1	0.2	0.2	9	0.12
1341807	Rock	0.19	0.008	0.6	15.5	5.5	54	<0.1	5.5	8.0	566	2.99	21.9	3.3	2.3	5	0.2	0.2	0.1	19	0.12



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Project: KSD
 Report Date: August 28, 2013

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Part: 2 of 2

CERTIFICATE OF ANALYSIS

WHI13000294.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	P	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	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1341759	Rock	0.043	4	7	0.81	779	0.002	<20	1.03	0.016	0.11	<0.1	0.02	2.9	<0.1	0.13	3	1.9	<0.2
1341760	Rock	0.045	6	9	0.98	346	0.002	<20	1.28	0.026	0.13	<0.1	<0.01	3.7	<0.1	0.45	3	<0.5	<0.2
1341761	Rock	0.038	7	8	1.08	235	0.002	<20	1.33	0.015	0.11	<0.1	0.01	3.6	<0.1	0.23	3	<0.5	<0.2
1341762	Rock	0.051	6	10	0.97	214	0.003	<20	1.24	0.013	0.11	<0.1	<0.01	3.4	<0.1	<0.05	3	0.8	<0.2
1341763	Rock	0.054	5	5	0.25	144	0.001	<20	0.55	0.020	0.15	<0.1	<0.01	3.0	<0.1	0.46	1	<0.5	<0.2
1341764	Rock	0.060	10	5	0.56	148	0.001	<20	1.03	0.024	0.13	<0.1	<0.01	3.9	<0.1	<0.05	3	<0.5	0.3
1266784	Rock Pulp	0.055	4	27	0.73	91	0.106	<20	1.45	0.065	0.12	12.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
1266785	Rock Pulp	0.050	4	28	0.69	88	0.104	<20	1.41	0.073	0.12	9.9	0.05	3.8	<0.1	<0.05	5	<0.5	<0.2
1341786	Rock	0.095	9	3	1.15	71	0.003	<20	1.70	0.023	0.11	<0.1	0.01	2.9	<0.1	0.06	5	0.8	0.2
1341787	Rock	0.093	15	3	0.91	108	0.003	<20	1.74	0.027	0.13	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2
1341788	Rock	0.089	13	2	0.86	78	0.003	<20	1.95	0.027	0.11	<0.1	<0.01	4.4	<0.1	0.08	6	<0.5	<0.2
1341789	Rock	0.095	13	3	0.76	134	0.003	<20	1.65	0.024	0.14	<0.1	<0.01	3.8	<0.1	<0.05	5	<0.5	<0.2
1341790	Rock	0.095	14	3	0.91	169	0.004	<20	1.86	0.031	0.14	<0.1	0.01	4.5	<0.1	<0.05	5	<0.5	<0.2
1341791	Rock	0.092	13	2	0.86	114	0.003	<20	1.93	0.020	0.12	<0.1	0.02	4.5	<0.1	<0.05	6	0.5	<0.2
1341792	Rock	0.084	16	2	1.07	95	0.004	<20	1.88	0.022	0.12	<0.1	<0.01	4.1	<0.1	0.07	5	<0.5	<0.2
1341793	Rock	0.062	13	3	0.45	106	0.001	<20	1.28	0.015	0.10	<0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
1341794	Rock	0.070	12	2	0.61	93	0.003	<20	1.42	0.017	0.10	<0.1	<0.01	3.1	<0.1	<0.05	4	<0.5	<0.2
1341795	Rock	0.080	16	5	0.58	134	0.002	<20	1.56	0.014	0.12	<0.1	<0.01	3.4	<0.1	<0.05	4	<0.5	<0.2
1341796	Rock	0.068	11	404	3.44	75	0.006	<20	3.59	0.011	0.07	<0.1	<0.01	10.9	<0.1	<0.05	10	<0.5	<0.2
1341797	Rock	0.068	14	10	0.55	114	0.002	<20	1.45	0.019	0.11	<0.1	<0.01	3.0	<0.1	<0.05	4	0.9	<0.2
1341798	Rock	0.085	12	9	0.62	151	0.001	<20	1.94	0.015	0.12	<0.1	<0.01	3.5	<0.1	<0.05	6	1.0	<0.2
1341799	Rock	0.080	13	14	0.58	129	0.001	<20	1.67	0.015	0.10	<0.1	0.01	3.3	<0.1	<0.05	4	<0.5	<0.2
1341800	Rock	0.069	15	1	0.83	123	0.003	<20	1.73	0.023	0.13	<0.1	<0.01	3.6	<0.1	<0.05	5	0.6	<0.2
1341801	Rock	0.086	18	3	0.70	168	0.002	<20	1.94	0.016	0.13	<0.1	<0.01	4.1	<0.1	<0.05	6	0.6	<0.2
1341802	Rock	0.103	11	2	1.01	135	0.005	<20	1.97	0.019	0.16	<0.1	<0.01	3.7	<0.1	<0.05	6	0.8	0.2
1341803	Rock	0.084	15	2	0.70	140	0.002	<20	1.76	0.016	0.12	<0.1	<0.01	3.4	<0.1	<0.05	5	0.6	<0.2
1341804	Rock	0.079	16	2	0.87	129	0.003	<20	1.89	0.018	0.11	<0.1	<0.01	4.4	<0.1	<0.05	6	<0.5	<0.2
1341805	Rock	0.105	15	2	1.06	155	0.004	<20	2.01	0.018	0.12	<0.1	<0.01	3.8	<0.1	<0.05	6	0.9	<0.2
1341806	Rock	0.041	17	4	0.48	149	0.003	<20	1.05	0.022	0.13	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
1341807	Rock	0.049	7	7	0.90	116	0.003	<20	1.36	0.021	0.09	<0.1	<0.01	3.0	<0.1	<0.05	4	0.7	<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.

CERTIFICATE OF ANALYSIS

WHI13000294.1

Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1341808	Rock	0.40	0.017	1.0	17.8	5.7	68	<0.1	7.2	12.9	873	3.08	28.2	5.1	2.1	5	0.2	0.2	0.2	23	0.11
1341809	Rock	0.90	0.014	1.3	23.9	7.5	67	0.2	7.8	12.1	700	3.63	49.7	5.5	3.0	10	0.4	0.3	0.2	27	0.21
1341810	Rock	0.73	0.024	1.7	35.7	5.0	72	0.2	5.8	13.8	1010	3.78	54.2	6.9	4.0	15	0.4	0.4	0.3	21	0.35
1341811	Rock	0.91	0.010	1.1	38.2	4.0	105	0.2	4.0	11.8	821	4.35	57.0	6.2	4.0	15	0.5	0.3	0.3	24	0.40
1266786	Rock Pulp	0.05	<0.005	2.3	23.9	2.3	41	0.5	20.2	9.5	382	2.32	4.1	<0.5	0.9	39	0.2	0.2	<0.1	53	0.77
1266787	Rock Pulp	0.05	0.844	3.9	30.8	5.0	50	0.3	22.1	8.2	369	2.36	5.7	454.2	0.9	38	0.2	0.8	<0.1	52	0.76
1341812	Rock	0.98	0.011	0.3	8.1	4.2	40	0.2	0.8	7.0	602	3.20	10.7	8.6	5.6	13	<0.1	0.1	0.3	11	0.20
1341813	Rock	1.06	0.032	0.4	21.3	5.2	51	0.3	0.7	7.4	644	3.19	15.8	30.6	5.2	19	0.3	0.2	0.4	11	0.25
1341814	Rock	0.91	0.046	0.7	13.7	4.7	61	0.3	0.7	6.2	331	2.66	25.8	48.6	4.8	7	0.2	0.2	0.4	6	0.12
1341815	Rock	0.73	0.018	0.2	22.7	6.3	44	0.2	0.7	6.5	548	2.62	16.3	18.1	5.7	10	0.1	0.2	0.4	5	0.14
1341816	Rock	0.97	0.016	0.5	13.5	5.6	53	0.3	4.2	8.9	739	3.25	12.6	13.0	4.8	7	0.3	0.2	0.2	25	0.18
1341817	Rock	0.96	0.066	<0.1	13.6	4.2	45	0.2	4.4	11.3	591	3.63	12.3	64.6	4.7	7	<0.1	0.2	0.2	31	0.17
1341818	Rock	0.77	0.037	0.2	20.6	5.4	51	0.3	7.1	13.6	692	4.04	11.2	26.7	4.0	9	0.1	0.2	0.3	47	0.22
1341819	Rock	1.14	0.049	0.1	38.1	4.6	72	0.4	5.2	15.4	725	4.25	9.4	46.1	5.0	11	0.2	0.2	0.3	45	0.21
1341820	Rock	0.95	0.067	0.2	18.8	6.5	62	0.3	5.2	9.2	591	3.29	7.3	38.0	4.8	9	<0.1	0.2	0.3	31	0.18
1341821	Rock	1.10	0.049	0.3	19.0	4.4	64	0.3	5.8	9.4	643	3.54	11.8	47.4	5.5	9	0.2	0.1	0.3	23	0.19
1341822	Rock	0.74	0.382	0.2	21.0	6.1	55	0.7	5.7	10.8	598	3.88	7.4	87.1	4.5	8	0.2	0.2	0.3	39	0.16
1341823	Rock	0.78	0.045	0.4	13.1	5.4	58	0.3	6.1	8.9	594	3.50	11.4	17.4	4.7	7	0.3	0.2	0.3	25	0.16
1341824	Rock	0.43	0.027	0.4	13.1	3.7	63	0.2	5.4	6.5	536	2.90	8.9	102.1	4.1	5	0.2	0.1	0.2	14	0.12
1341825	Rock	0.49	0.034	0.7	18.3	3.9	70	0.3	6.7	7.6	510	3.32	9.9	93.9	5.7	7	0.2	0.2	0.2	18	0.13
1341826	Rock	0.73	0.030	0.1	6.5	4.1	44	0.3	4.8	7.7	849	3.53	9.6	36.1	4.7	5	<0.1	0.1	0.3	33	0.18
1341827	Rock	1.24	0.098	0.3	12.2	9.6	51	0.5	5.1	9.8	968	3.88	14.8	503.0	4.3	6	0.1	0.1	0.4	32	0.15
1341828	Rock	0.88	0.050	0.3	24.2	5.3	51	0.3	7.5	13.8	1029	4.56	10.7	40.1	3.3	14	0.2	0.2	0.2	59	0.29
1341829	Rock	0.81	0.042	0.3	17.5	5.1	55	0.2	9.9	14.1	727	4.51	12.6	47.8	3.2	13	0.1	0.2	0.3	61	0.20
1341830	Rock	0.73	0.017	0.2	29.7	6.2	91	0.2	0.9	4.9	432	2.22	13.2	18.7	6.0	12	0.9	0.2	0.3	7	0.15
1341831	Rock	1.02	0.022	0.4	63.0	9.1	126	0.4	1.3	5.0	329	2.03	21.0	19.9	5.0	10	0.9	0.4	0.4	7	0.12
1341832	Rock	0.56	0.109	0.4	24.9	7.7	76	0.3	1.6	6.3	575	2.44	20.5	168.4	5.2	11	0.8	0.3	0.4	9	0.14
1341833	Rock	0.73	0.028	0.5	15.2	6.6	49	0.3	1.0	6.3	467	2.54	21.0	29.0	5.8	14	0.5	0.3	0.4	6	0.17
1341834	Rock	0.64	0.018	0.3	13.0	6.3	33	0.3	1.8	6.1	383	2.25	21.1	16.2	6.8	12	0.2	0.3	0.4	5	0.16
1341835	Rock	0.87	0.021	0.3	18.1	3.7	26	0.3	1.1	4.6	325	1.82	11.3	15.0	5.2	10	0.3	0.2	0.3	4	0.16



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CERTIFICATE OF ANALYSIS

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	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	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1341808	Rock	0.050	7	7	1.05	112	0.004	<20	1.51	0.013	0.08	<0.1	<0.01	2.9	<0.1	<0.05	4	<0.5	<0.2
1341809	Rock	0.064	9	9	0.82	168	0.006	<20	1.49	0.012	0.09	<0.1	<0.01	3.4	<0.1	<0.05	4	0.5	<0.2
1341810	Rock	0.099	13	4	0.70	267	0.002	<20	1.78	0.011	0.14	<0.1	0.03	3.5	0.1	<0.05	5	0.8	<0.2
1341811	Rock	0.109	12	3	1.06	192	0.004	<20	2.10	0.010	0.12	<0.1	0.02	4.0	<0.1	<0.05	6	0.7	<0.2
1266786	Rock Pulp	0.058	4	28	0.76	93	0.108	<20	1.49	0.073	0.12	12.8	0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
1266787	Rock Pulp	0.050	4	30	0.70	87	0.108	<20	1.46	0.076	0.12	10.2	0.05	4.3	<0.1	<0.05	4	<0.5	<0.2
1341812	Rock	0.082	19	2	0.72	162	0.003	<20	1.52	0.023	0.17	<0.1	<0.01	4.1	<0.1	<0.05	4	<0.5	<0.2
1341813	Rock	0.080	14	2	0.40	160	0.002	<20	1.35	0.022	0.13	<0.1	<0.01	4.8	<0.1	<0.05	4	<0.5	<0.2
1341814	Rock	0.052	10	2	0.50	179	0.003	<20	1.07	0.029	0.16	<0.1	<0.01	2.6	<0.1	<0.05	3	0.7	<0.2
1341815	Rock	0.050	19	2	0.37	146	0.002	<20	1.01	0.019	0.14	<0.1	<0.01	3.2	<0.1	<0.05	3	1.1	<0.2
1341816	Rock	0.075	16	4	1.02	122	0.004	<20	1.56	0.045	0.14	<0.1	<0.01	5.4	<0.1	<0.05	5	<0.5	<0.2
1341817	Rock	0.065	15	3	1.05	119	0.004	<20	1.81	0.025	0.13	<0.1	<0.01	5.5	<0.1	<0.05	6	<0.5	<0.2
1341818	Rock	0.079	14	4	1.25	104	0.012	<20	1.97	0.031	0.11	<0.1	0.01	7.7	<0.1	<0.05	6	<0.5	<0.2
1341819	Rock	0.088	23	4	1.21	80	0.004	<20	2.01	0.018	0.12	<0.1	0.01	7.6	<0.1	<0.05	6	1.3	<0.2
1341820	Rock	0.074	18	4	1.08	89	0.003	<20	1.74	0.024	0.12	<0.1	<0.01	6.3	<0.1	<0.05	5	0.7	<0.2
1341821	Rock	0.079	18	6	1.02	106	0.003	<20	1.60	0.023	0.13	<0.1	<0.01	4.9	<0.1	<0.05	5	0.8	<0.2
1341822	Rock	0.068	17	4	0.97	81	0.003	<20	1.72	0.023	0.10	<0.1	<0.01	8.4	<0.1	<0.05	6	0.9	0.4
1341823	Rock	0.063	17	5	0.96	134	0.005	<20	1.60	0.028	0.13	<0.1	0.01	4.7	<0.1	<0.05	5	0.6	<0.2
1341824	Rock	0.049	15	8	0.73	97	0.003	<20	1.29	0.015	0.11	<0.1	<0.01	3.6	<0.1	<0.05	3	<0.5	<0.2
1341825	Rock	0.056	22	10	0.97	123	0.006	<20	1.66	0.020	0.12	<0.1	<0.01	3.9	<0.1	<0.05	5	<0.5	0.4
1341826	Rock	0.051	13	3	1.44	96	0.004	<20	1.95	0.031	0.11	<0.1	0.01	4.7	<0.1	0.11	5	<0.5	<0.2
1341827	Rock	0.062	13	5	1.20	152	0.004	<20	1.82	0.026	0.14	<0.1	0.02	4.9	<0.1	0.05	5	<0.5	<0.2
1341828	Rock	0.074	12	12	1.21	113	0.001	<20	2.05	0.023	0.09	<0.1	<0.01	10.9	<0.1	<0.05	6	<0.5	<0.2
1341829	Rock	0.064	12	13	1.23	105	0.004	<20	2.08	0.023	0.11	<0.1	<0.01	9.7	<0.1	<0.05	6	<0.5	0.3
1341830	Rock	0.048	19	3	0.23	140	0.001	<20	0.97	0.027	0.17	<0.1	<0.01	2.2	<0.1	<0.05	3	<0.5	<0.2
1341831	Rock	0.048	15	3	0.23	120	0.001	<20	0.80	0.026	0.17	<0.1	<0.01	2.1	<0.1	<0.05	2	<0.5	<0.2
1341832	Rock	0.052	18	3	0.26	123	0.001	<20	0.89	0.021	0.14	<0.1	<0.01	2.7	<0.1	<0.05	2	<0.5	0.2
1341833	Rock	0.053	20	3	0.25	128	0.001	<20	0.97	0.034	0.16	<0.1	<0.01	2.6	<0.1	<0.05	3	<0.5	<0.2
1341834	Rock	0.060	22	3	0.24	125	0.002	<20	0.80	0.023	0.17	<0.1	<0.01	1.9	<0.1	<0.05	2	0.9	<0.2
1341835	Rock	0.051	13	3	0.18	123	0.001	<20	0.74	0.031	0.16	<0.1	<0.01	2.0	<0.1	<0.05	2	0.8	<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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Project: KSD
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CERTIFICATE OF ANALYSIS

WHI13000294.1

Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01	
1341836	Rock	0.83	0.018	0.3	12.9	4.1	35	0.3	2.2	5.0	401	2.23	15.5	17.0	4.7	13	0.4	0.2	0.3	7	0.20
1341837	Rock	0.97	0.070	0.3	31.8	4.4	105	0.4	4.6	5.8	468	2.92	28.4	16.5	4.4	11	0.9	0.7	0.2	11	0.18
115901	Rock	1.01	0.043	0.3	6.9	5.2	14	0.3	1.6	0.4	117	0.46	2.1	2.4	<0.1	<1	<0.1	0.2	0.3	<2	0.02
115902	Rock	0.79	0.006	0.7	13.9	44.0	129	0.4	31.1	36.8	2498	2.05	13.9	1.1	3.0	7	4.6	0.2	<0.1	14	0.11
115903	Rock	1.01	0.019	0.7	91.5	78.1	639	1.9	8.5	13.7	827	5.49	9.2	10.6	3.0	2	0.8	0.4	0.2	80	0.05
115904	Rock	0.99	0.017	1.4	24.6	5.8	180	0.3	22.7	9.2	315	2.66	6.4	8.9	5.0	5	0.9	0.4	<0.1	25	0.13
115905	Rock	0.78	0.014	1.1	32.6	15.4	194	1.1	18.3	12.0	579	2.87	5.8	7.4	5.3	5	1.7	0.3	<0.1	19	0.13
115906	Rock	0.80	0.009	0.3	17.0	6.0	90	0.2	1.6	5.7	501	1.98	13.3	3.4	4.2	12	0.9	0.2	0.3	8	0.46



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CERTIFICATE OF ANALYSIS

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Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	P	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	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
1341836	Rock	0.069	17	4	0.24	114	0.001	<20	0.89	0.026	0.16	<0.1	<0.01	2.2	<0.1	<0.05	2	<0.5	<0.2
1341837	Rock	0.064	15	8	0.60	97	0.002	<20	1.34	0.022	0.15	<0.1	<0.01	3.3	<0.1	<0.05	3	<0.5	<0.2
115901	Rock	0.009	<1	13	0.01	19	<0.001	<20	0.04	0.001	0.01	<0.1	<0.01	0.5	<0.1	<0.05	<1	<0.5	<0.2
115902	Rock	0.056	8	13	0.91	123	0.002	<20	1.19	0.016	0.12	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
115903	Rock	0.051	6	14	2.55	138	0.004	<20	2.73	0.008	0.06	<0.1	0.07	8.7	<0.1	<0.05	7	0.9	0.2
115904	Rock	0.071	14	34	1.84	203	0.002	<20	2.00	0.007	0.12	<0.1	<0.01	2.7	<0.1	<0.05	4	<0.5	<0.2
115905	Rock	0.077	14	22	1.33	232	0.002	<20	1.72	0.010	0.14	<0.1	<0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
115906	Rock	0.056	12	4	0.53	91	0.002	<20	0.85	0.054	0.10	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2

QUALITY CONTROL REPORT

WHI13000294.1

Method	WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	
MDL	0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	0.1	2	0.01
Pulp Duplicates																					
1341844	Rock	0.95	0.022	0.2	20.2	4.0	46	0.3	42.5	20.3	728	4.42	6.8	20.5	7.5	21	0.1	0.1	0.4	65	0.59
REP 1341844	QC	0.019																			
1341854	Rock	1.03	0.009	0.2	34.3	6.5	77	0.3	48.6	19.0	1030	4.07	4.9	10.3	10.0	76	0.8	0.1	0.4	62	3.27
REP 1341854	QC	0.010																			
1341768	Rock	0.85	0.062	0.4	61.8	10.4	96	0.5	7.8	13.4	1442	4.15	12.0	82.0	2.2	10	0.6	0.3	0.1	21	0.24
REP 1341768	QC	0.4 56.6 9.7 87 0.4 7.1 12.0 1330 3.84 11.2 80.7 2.1 10 0.4 0.3 <0.1 20 0.23																			
1265980	Rock	1.21	0.027	0.4	28.6	7.3	94	0.2	20.3	19.0	1126	3.75	6.9	12.2	1.9	25	<0.1	0.2	0.4	28	2.02
REP 1265980	QC	0.3 28.5 7.3 91 0.3 19.7 19.0 1125 3.83 6.8 132.4 2.0 25 <0.1 0.1 0.5 27 2.04																			
1266000	Rock	0.85	0.009	0.5	6.1	19.0	96	0.2	5.7	8.4	590	3.25	5.3	6.4	3.5	4	0.4	<0.1	0.2	13	0.03
REP 1266000	QC	0.013																			
1341760	Rock	1.01	0.026	0.4	17.9	18.4	110	0.4	10.8	14.5	656	3.28	4.2	25.9	3.5	8	1.1	0.1	0.2	16	0.11
REP 1341760	QC	0.029																			
1266784	Rock Pulp	0.05	<0.005	2.2	21.7	2.3	39	0.2	21.2	9.6	359	2.21	4.3	1.1	0.8	38	0.2	0.2	<0.1	53	0.74
REP 1266784	QC	2.1 22.2 2.3 40 0.2 21.6 9.3 377 2.26 4.5 <0.5 0.9 37 0.2 0.3 <0.1 53 0.74																			
1341817	Rock	0.96	0.066	<0.1	13.6	4.2	45	0.2	4.4	11.3	591	3.63	12.3	64.6	4.7	7	<0.1	0.2	0.2	31	0.17
REP 1341817	QC	0.1 13.6 4.2 46 0.3 4.5 11.2 611 3.75 12.2 61.3 4.8 7 <0.1 0.2 0.3 32 0.17																			
115902	Rock	0.79	0.006	0.7	13.9	44.0	129	0.4	31.1	36.8	2498	2.05	13.9	1.1	3.0	7	4.6	0.2	<0.1	14	0.11
REP 115902	QC	0.7 12.9 43.4 126 0.4 29.3 35.4 2503 2.04 13.3 <0.5 3.0 6 4.7 0.2 <0.1 14 0.10																			
115905	Rock	0.78	0.014	1.1	32.6	15.4	194	1.1	18.3	12.0	579	2.87	5.8	7.4	5.3	5	1.7	0.3	<0.1	19	0.13
REP 115905	QC	0.014																			
115906	Rock	0.80	0.009	0.3	17.0	6.0	90	0.2	1.6	5.7	501	1.98	13.3	3.4	4.2	12	0.9	0.2	0.3	8	0.46
REP 115906	QC	0.008																			
Core Reject Duplicates																					
1341773	Rock	1.03	0.022	0.4	39.9	6.0	259	0.3	3.8	11.1	738	3.91	24.4	23.1	3.4	5	0.5	0.2	0.3	25	0.11
DUP 1341773	QC	0.022 0.3 37.9 6.0 255 0.3 3.5 10.5 708 3.70 22.7 19.8 3.3 5 0.4 0.2 0.3 24 0.11																			
1265984	Rock	1.21	0.013	0.5	31.4	4.9	71	0.2	9.7	17.1	804	3.96	9.6	5.0	3.2	7	0.1	0.2	0.2	31	0.44
DUP 1265984	QC	0.023 0.6 27.9 4.6 72 0.2 9.2 17.0 805 4.00 9.2 6.4 2.9 7 0.1 0.2 0.2 32 0.45																			
1341787	Rock	0.77	0.015	0.9	30.0	3.3	53	0.3	1.3	9.3	924	3.80	16.1	15.9	4.3	11	0.3	0.1	0.2	19	0.23

QUALITY CONTROL REPORT

WHI13000294.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	P	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	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2	
Pulp Duplicates																			
1341844	Rock	0.127	72	63	2.10	131	0.005	<20	2.49	0.043	0.09	<0.1	<0.01	11.4	<0.1	<0.05	6	0.5	<0.2
REP 1341844	QC																		
1341854	Rock	0.175	121	91	2.86	128	0.005	<20	3.04	0.031	0.12	<0.1	<0.01	11.9	<0.1	<0.05	8	0.8	<0.2
REP 1341854	QC																		
1341768	Rock	0.101	4	6	0.64	81	0.002	<20	1.16	0.047	0.12	<0.1	0.02	7.1	<0.1	0.16	3	0.7	<0.2
REP 1341768	QC	0.093	4	5	0.59	72	0.002	<20	1.07	0.045	0.11	<0.1	0.01	6.6	<0.1	0.15	3	<0.5	<0.2
1265980	Rock	0.060	2	24	1.70	121	0.002	<20	2.01	0.014	0.12	<0.1	<0.01	4.6	<0.1	0.62	4	<0.5	<0.2
REP 1265980	QC	0.060	2	23	1.71	121	0.003	<20	2.01	0.015	0.11	<0.1	0.01	4.6	<0.1	0.65	4	<0.5	<0.2
1266000	Rock	0.038	7	6	0.76	157	0.002	<20	1.06	0.024	0.14	<0.1	<0.01	2.8	<0.1	0.06	3	0.8	<0.2
REP 1266000	QC																		
1341760	Rock	0.045	6	9	0.98	346	0.002	<20	1.28	0.026	0.13	<0.1	<0.01	3.7	<0.1	0.45	3	<0.5	<0.2
REP 1341760	QC																		
1266784	Rock Pulp	0.055	4	27	0.73	91	0.106	<20	1.45	0.065	0.12	12.1	0.02	4.2	<0.1	<0.05	5	<0.5	<0.2
REP 1266784	QC	0.056	4	28	0.75	92	0.104	<20	1.50	0.071	0.12	11.9	0.01	4.4	<0.1	<0.05	5	<0.5	<0.2
1341817	Rock	0.065	15	3	1.05	119	0.004	<20	1.81	0.025	0.13	<0.1	<0.01	5.5	<0.1	<0.05	6	<0.5	<0.2
REP 1341817	QC	0.065	16	3	1.09	124	0.005	<20	1.85	0.023	0.13	<0.1	<0.01	5.6	<0.1	<0.05	5	0.7	<0.2
115902	Rock	0.056	8	13	0.91	123	0.002	<20	1.19	0.016	0.12	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
REP 115902	QC	0.055	7	13	0.91	122	0.002	<20	1.19	0.017	0.12	<0.1	<0.01	2.4	<0.1	<0.05	3	<0.5	<0.2
115905	Rock	0.077	14	22	1.33	232	0.002	<20	1.72	0.010	0.14	<0.1	<0.01	3.7	<0.1	<0.05	4	<0.5	<0.2
REP 115905	QC																		
115906	Rock	0.056	12	4	0.53	91	0.002	<20	0.85	0.054	0.10	<0.1	<0.01	2.8	<0.1	<0.05	3	<0.5	<0.2
REP 115906	QC																		
Core Reject Duplicates																			
1341773	Rock	0.057	8	5	1.48	175	0.002	<20	2.00	0.033	0.17	<0.1	0.02	5.2	<0.1	0.09	5	0.7	<0.2
DUP 1341773	QC	0.054	8	4	1.41	156	0.002	<20	1.94	0.027	0.14	<0.1	0.02	5.5	<0.1	0.09	5	0.9	<0.2
1265984	Rock	0.060	10	10	1.66	102	0.002	<20	2.07	0.016	0.10	<0.1	0.01	5.1	<0.1	0.12	4	<0.5	<0.2
DUP 1265984	QC	0.061	10	11	1.69	112	0.003	<20	2.13	0.020	0.12	<0.1	0.02	4.8	<0.1	0.11	5	<0.5	<0.2
1341787	Rock	0.093	15	3	0.91	108	0.003	<20	1.74	0.027	0.13	<0.1	0.01	3.7	<0.1	<0.05	5	<0.5	<0.2



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Project: KSD
 Report Date: August 28, 2013

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QUALITY CONTROL REPORT

WHI13000294.1

		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
DUP 1341787	QC		0.014	0.9	28.7	3.3	53	0.3	1.8	8.9	884	3.69	16.4	7.5	4.2	10	0.2	0.2	0.2	19	0.22
1341821	Rock	1.10	0.049	0.3	19.0	4.4	64	0.3	5.8	9.4	643	3.54	11.8	47.4	5.5	9	0.2	0.1	0.3	23	0.19
DUP 1341821	QC		0.055	0.3	17.7	4.2	61	0.2	5.6	7.8	589	3.21	8.5	43.2	5.3	8	0.2	0.1	0.2	22	0.19
Reference Materials																					
STD DS9	Standard			10.0	99.5	125.5	292	2.0	35.8	6.9	538	2.21	24.2	91.7	5.8	64	2.2	5.0	7.0	38	0.66
STD DS9	Standard			12.0	103.3	126.7	305	1.8	36.8	7.0	559	2.28	25.6	105.8	6.0	70	2.0	4.9	7.1	37	0.70
STD DS9	Standard			12.4	101.1	121.5	301	1.7	36.7	6.9	536	2.16	24.1	127.3	6.0	68	2.5	5.3	6.6	35	0.66
STD DS9	Standard			12.8	107.9	123.6	317	1.9	39.4	7.1	588	2.36	26.2	132.9	6.1	78	2.9	5.8	7.3	41	0.72
STD DS9	Standard			12.2	103.4	127.3	308	1.7	38.4	7.7	568	2.29	25.7	100.6	6.4	72	2.1	5.0	7.5	37	0.70
STD OREAS45EA	Standard			1.4	585.9	13.7	26	0.3	334.6	45.3	347	22.07	8.9	53.7	9.4	4	<0.1	0.4	0.3	272	0.04
STD OREAS45EA	Standard			1.7	706.4	14.4	32	0.3	381.0	53.4	409	22.71	10.9	55.4	10.9	4	<0.1	0.4	0.3	304	0.04
STD OREAS45EA	Standard			1.4	628.8	13.5	30	0.3	342.3	45.8	378	20.96	9.5	52.4	9.8	3	<0.1	0.4	0.3	275	0.03
STD OREAS45EA	Standard			1.4	612.4	13.6	27	0.3	341.1	46.8	348	22.12	9.2	57.6	10.1	4	<0.1	0.3	0.3	273	0.03
STD OREAS45EA	Standard			1.3	658.5	14.8	29	0.2	367.1	50.5	395	21.76	9.4	51.5	10.5	4	<0.1	0.3	0.3	283	0.04
STD OXC109	Standard		0.185																		
STD OXC109	Standard		0.195																		
STD OXC109	Standard		0.196																		
STD OXI96	Standard		1.764																		
STD OXI96	Standard		1.770																		
STD OXI96	Standard		1.820																		
STD OXL93	Standard		5.506																		
STD OXL93	Standard		5.690																		
STD OXL93	Standard		5.468																		
STD OXC109 Expected			0.201																		
STD OXI96 Expected			1.802																		
STD OXL93 Expected			5.841																		
STD DS9 Expected				12.84	108	126	317	1.83	40.3	7.6	575	2.33	25.5	118	6.38	69.6	2.4	4.94	6.32	40	0.7201
STD OREAS45EA Expected				1.78	709	14.3	30.6	0.311	357	52	400	22.65	11.4	53	10.7	4.05	0.03	0.64	0.26	295	0.032
BLK	Blank		<0.005																		

QUALITY CONTROL REPORT

WHI13000294.1

		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Ti ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
		0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
DUP 1341787	QC	0.087	15	3	0.90	93	0.003	<20	1.71	0.021	0.12	<0.1	0.02	3.6	<0.1	<0.05	5	<0.5	<0.2
1341821	Rock	0.079	18	6	1.02	106	0.003	<20	1.60	0.023	0.13	<0.1	<0.01	4.9	<0.1	<0.05	5	0.8	<0.2
DUP 1341821	QC	0.072	17	5	0.97	102	0.003	<20	1.56	0.023	0.13	<0.1	<0.01	4.7	<0.1	<0.05	5	<0.5	<0.2
Reference Materials																			
STD DS9	Standard	0.072	10	104	0.58	282	0.089	<20	0.86	0.074	0.38	2.4	0.23	2.0	4.9	0.16	4	4.6	5.2
STD DS9	Standard	0.080	12	112	0.61	312	0.105	<20	0.94	0.078	0.40	2.9	0.19	2.3	5.1	0.16	4	5.1	4.6
STD DS9	Standard	0.075	11	112	0.58	282	0.097	<20	0.88	0.075	0.37	2.6	0.19	2.2	4.9	0.15	4	5.7	4.5
STD DS9	Standard	0.087	13	107	0.62	335	0.103	<20	0.96	0.084	0.40	2.7	0.21	2.6	5.0	0.17	4	5.2	5.4
STD DS9	Standard	0.077	12	118	0.62	312	0.106	<20	0.94	0.081	0.40	2.3	0.22	2.5	5.2	0.16	5	5.9	5.6
STD OREAS45EA	Standard	0.027	6	729	0.08	128	0.079	<20	2.71	0.015	0.05	<0.1	0.01	65.5	<0.1	<0.05	10	<0.5	<0.2
STD OREAS45EA	Standard	0.029	7	825	0.10	145	0.091	<20	3.08	0.017	0.05	<0.1	0.02	80.4	<0.1	<0.05	12	2.1	<0.2
STD OREAS45EA	Standard	0.026	6	761	0.09	137	0.084	<20	2.83	0.016	0.05	<0.1	0.01	69.1	<0.1	<0.05	11	0.9	<0.2
STD OREAS45EA	Standard	0.029	6	740	0.09	132	0.083	<20	2.80	0.017	0.05	<0.1	<0.01	69.8	<0.1	<0.05	11	1.0	<0.2
STD OREAS45EA	Standard	0.028	7	798	0.09	139	0.088	<20	2.92	0.017	0.05	<0.1	<0.01	71.7	<0.1	<0.05	12	<0.5	<0.2
STD OXC109	Standard																		
STD OXC109	Standard																		
STD OXC109	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXI96	Standard																		
STD OXL93	Standard																		
STD OXL93	Standard																		
STD OXL93	Standard																		
STD OXC109 Expected																			
STD OXI96 Expected																			
STD OXL93 Expected																			
STD DS9 Expected		0.0819	13.3	121	0.6165	330	0.1108		0.9577	0.0853	0.395	2.89	0.2	2.5	5.3	0.1615	4.59	5.2	5.02
STD OREAS45EA Expected		0.029	8.19	849	0.095	148	0.106		3.32	0.027	0.053		0.34	78	0.072	0.044	11.7	2.09	0.11
BLK	Blank																		



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Project: KSD
 Report Date: August 28, 2013

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QUALITY CONTROL REPORT

WHI13000294.1

		WGHT	G6	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
		Wgt	Au	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.005	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.5	0.1	1	0.1	0.1	0.1	2	0.01
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank	<0.005																			
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
BLK	Blank			<0.1	<0.1	<0.1	<1	<0.1	<0.1	<0.1	<1	<0.01	<0.5	<0.5	<0.1	<1	<0.1	<0.1	<0.1	<2	<0.01
Prep Wash																					
G1-WHI	Prep Blank	<0.005	<0.1	3.6	6.4	44	<0.1	3.4	4.3	560	2.04	0.8	1.7	5.8	68	<0.1	<0.1	<0.1	36	0.56	
G1-WHI	Prep Blank	<0.005	0.1	2.9	4.7	47	<0.1	3.3	4.3	577	2.06	0.8	1.3	6.8	76	<0.1	<0.1	0.1	36	0.56	

QUALITY CONTROL REPORT

WHI13000294.1

		1DX P %	1DX La ppm	1DX Cr ppm	1DX Mg %	1DX Ba ppm	1DX Ti %	1DX B ppm	1DX Al %	1DX Na %	1DX K %	1DX W ppm	1DX Hg ppm	1DX Sc ppm	1DX Ti ppm	1DX S %	1DX Ga ppm	1DX Se ppm	1DX Te ppm
BLK	Blank	0.001	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.1	0.05	1	0.5	0.2
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank																		
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	0.1	<0.1	<0.05	<1	<0.5	<0.2
BLK	Blank	<0.001	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.1	<0.05	<1	<0.5	<0.2
Prep Wash																			
G1-WHI	Prep Blank	0.066	12	6	0.54	174	0.126	<20	1.09	0.112	0.51	<0.1	<0.01	2.7	0.3	<0.05	5	<0.5	<0.2
G1-WHI	Prep Blank	0.074	14	7	0.54	182	0.138	<20	1.10	0.111	0.52	<0.1	<0.01	2.8	0.3	<0.05	5	0.6	<0.2