



**BUREAU VERITAS** MINERAL LABORATORIES  
Canada

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Bureau Veritas Commodities Canada Ltd.  
9050 Shaughnessy St Vancouver British Columbia V6P 6E5 Canada  
PHONE (604) 253-3158

**Client:** **Richards, Gordon**  
6410 Holly Park Drive  
Delta British Columbia V4K 4W6 Canada

Submitted By: Gordon Richards  
Receiving Lab: Canada-Whitehorse  
Received: July 20, 2020  
Analysis Start: August 11, 2020  
Report Date: August 19, 2020  
Page: 1 of 5

# CERTIFICATE OF ANALYSIS

WHI20000142.1

## CLIENT JOB INFORMATION

Project: DUBLOON  
Shipment ID:  
P.O. Number  
Number of Samples: 95

## SAMPLE DISPOSAL

PICKUP-PLP Client to Pickup Pulps  
DISP-RJT Dispose of Reject After 60 days

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

Invoice To: Richards, Gordon  
6410 Holly Park Drive  
Delta British Columbia V4K 4W6  
Canada

CC:

## SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Procedure Code	Number of Samples	Code Description	Test Wgt (g)	Report Status	Lab
PRP70-250	95	Crush, split and pulverize 250 g rock to 200 mesh			WHI
AQ250	95	1:1:1 Aqua Regia digestion Ultratrace ICP-MS analysis	0.5	Completed	VAN
SHP01	95	Per sample shipping charges for branch shipments			VAN
SLBHP	0	Sort, label and box pulps			WHI

## 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. Bureau Veritas assumes the liabilities for actual cost of analysis only. Results apply to samples as submitted.  
\*\*\* asterisk indicates that an analytical result could not be provided due to unusually high levels of interference from other elements.



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Method	Analyte	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
			Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
MDL		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01
1478901	Reverse	1.45	2.36	30.15	31.86	48.3	152	5.6	3.0	262	0.90	5.0	2.3	1.0	10.1	13.1	0.43	0.11	0.22	7	0.29
1478902	Reverse	1.53	1.93	47.99	32.38	31.4	204	4.3	2.5	246	0.70	3.6	2.2	<0.2	11.3	15.7	0.33	0.39	0.26	4	0.43
1478903	Reverse	0.72	1.44	25.34	20.19	59.6	99	118.9	13.6	866	1.74	2.6	1.4	0.2	6.4	88.6	0.28	0.06	0.12	30	4.06
1478904	Reverse	1.90	1.01	10.56	8.03	94.1	31	219.5	26.2	708	2.91	2.3	0.6	<0.2	1.4	38.7	0.12	0.02	0.05	54	1.54
1478905	Reverse	1.20	0.84	12.56	7.08	84.9	37	204.8	24.5	691	2.94	1.5	1.7	0.2	1.9	39.0	0.10	0.05	0.04	54	1.40
1478906	Reverse	1.11	0.97	73.13	15.34	65.3	183	95.5	17.1	665	2.49	1.4	1.7	0.6	5.1	35.5	0.20	0.04	0.08	42	1.52
1478907	Reverse	1.05	1.01	24.30	24.92	37.1	127	42.0	7.2	405	1.31	1.8	1.7	0.5	8.3	26.0	0.18	0.04	0.15	17	1.14
1478908	Reverse	1.06	0.89	19.71	29.77	30.8	97	13.4	3.1	318	0.87	2.9	1.4	<0.2	9.2	24.5	0.22	0.04	0.14	5	1.03
1478909	Reverse	1.42	2.42	25.78	29.26	27.4	115	11.9	2.9	347	0.78	4.0	2.2	0.7	11.3	30.8	0.27	0.07	0.22	4	1.13
1478910	Reverse	1.47	1.56	34.70	20.75	40.8	88	5.3	4.5	398	1.04	7.8	2.2	0.7	11.8	41.1	0.27	0.14	0.11	7	1.17
1478911	Reverse	1.25	6.75	21.43	23.57	27.9	94	5.9	3.7	414	0.87	5.3	2.5	<0.2	10.7	43.6	0.30	0.11	0.18	11	1.47
1478912	Reverse	1.23	1.46	33.20	26.39	31.9	73	5.5	2.6	447	0.80	2.5	2.4	0.3	12.7	38.1	0.28	0.08	0.09	4	1.13
1478913	Reverse	1.34	1.33	24.35	47.71	38.9	99	6.2	2.4	388	0.80	4.4	2.0	<0.2	9.5	32.4	0.43	0.04	0.13	5	0.96
1478914	Reverse	1.30	1.16	18.31	31.06	16.4	88	5.4	2.0	349	0.51	46.3	1.7	<0.2	8.2	30.5	0.18	0.13	0.14	3	1.13
1478915	Reverse	1.04	4.25	24.56	30.00	9.7	122	2.9	1.7	449	0.41	17.7	1.9	<0.2	7.7	48.4	0.18	0.08	0.24	2	2.88
1478916	Reverse	1.55	2.16	17.28	33.89	22.1	134	3.7	1.7	321	0.50	11.6	2.2	<0.2	9.2	30.2	0.17	0.06	0.29	3	1.10
1478917	Reverse	1.27	1.42	15.27	37.69	81.4	109	17.7	10.0	1020	1.98	5.7	1.6	<0.2	7.1	72.7	0.41	0.06	0.19	26	3.24
1478918	Reverse	1.23	1.37	37.13	21.64	58.7	105	39.1	14.2	704	2.22	3.3	1.0	<0.2	4.1	48.6	0.23	0.05	0.11	43	2.35
1478919	Reverse	0.82	3.91	21.96	16.14	41.4	81	21.7	9.5	595	1.44	1.6	1.5	<0.2	6.4	36.1	0.17	0.04	0.12	27	2.19
1478920	Reverse	1.26	1.66	28.07	12.81	34.3	88	17.2	6.6	306	1.34	2.0	1.8	0.7	7.8	32.1	0.13	0.05	0.09	16	0.95
1478921	Reverse	1.48	0.77	13.13	10.91	40.6	45	16.9	15.6	454	2.39	2.4	0.8	<0.2	2.0	41.8	0.09	0.06	0.04	52	1.40
1478922	Reverse	1.45	0.71	32.35	10.16	38.7	72	59.2	14.9	390	2.21	4.3	0.6	<0.2	1.5	38.3	0.09	0.07	0.04	44	1.29
1478923	Reverse	1.29	3.47	36.20	16.01	43.4	94	68.6	18.9	436	2.17	6.0	0.5	<0.2	0.9	43.5	0.16	0.07	0.04	44	1.74
1478924	Reverse	1.25	1.50	17.90	12.65	49.0	54	50.6	11.1	474	1.82	2.7	1.4	<0.2	5.5	32.0	0.13	0.04	0.08	33	1.50
1478925	Reverse	1.22	1.69	8.05	39.60	45.2	116	15.0	5.0	440	1.29	2.6	2.0	<0.2	8.0	35.4	0.26	0.04	0.22	15	1.80
1478926	Reverse	1.33	2.10	19.35	46.27	31.5	170	4.3	2.1	249	0.83	2.3	2.2	0.5	9.8	21.2	0.21	0.05	0.31	5	1.00
1478927	Reverse	1.50	2.33	36.90	75.40	47.7	197	2.6	2.1	267	0.82	14.5	2.4	<0.2	11.9	22.8	0.35	0.10	0.30	3	0.80
1478928	Reverse	1.21	2.76	63.98	84.39	38.8	339	3.7	3.1	277	1.16	3985.6	3.2	3.5	10.8	23.0	0.39	1.52	0.35	4	0.86
1478929	Reverse	0.99	2.12	71.27	42.57	29.5	207	1.9	2.6	311	0.90	776.7	2.5	1.9	10.7	26.3	0.27	0.55	0.24	2	1.08
1478930	Reverse	0.94	2.18	39.96	33.27	35.8	105	8.2	3.6	482	1.07	153.0	3.4	1.4	8.3	75.3	0.21	0.13	0.17	6	2.17



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Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1478901	Reverse	0.017	18.6	14.0	0.14	98.2	0.023	<20	0.46	0.025	0.23	1.1	1.1	0.14	0.03	<5	<0.1	0.05	1.6
1478902	Reverse	0.014	21.3	7.2	0.11	128.4	0.018	<20	0.41	0.034	0.22	0.7	0.9	0.12	0.05	<5	<0.1	0.07	1.3
1478903	Reverse	0.071	13.1	273.9	1.70	218.6	0.077	<20	1.48	0.019	0.62	0.3	3.5	0.30	0.02	10	<0.1	0.03	3.3
1478904	Reverse	0.156	3.5	442.0	3.18	665.9	0.165	<20	2.86	0.020	1.97	0.3	3.1	0.77	<0.02	<5	<0.1	<0.02	3.8
1478905	Reverse	0.151	4.2	424.8	3.17	660.1	0.160	<20	2.84	0.020	1.95	0.1	3.4	0.79	<0.02	<5	<0.1	<0.02	3.6
1478906	Reverse	0.070	9.4	222.3	2.09	430.2	0.136	<20	2.16	0.027	1.45	0.4	2.8	0.59	0.02	<5	<0.1	0.02	3.2
1478907	Reverse	0.038	13.5	102.4	0.85	168.2	0.063	<20	1.05	0.025	0.68	0.2	1.6	0.38	0.02	<5	<0.1	0.04	1.9
1478908	Reverse	0.021	20.0	33.4	0.26	111.6	0.018	<20	0.56	0.030	0.37	0.2	0.7	0.19	0.08	<5	<0.1	<0.02	1.3
1478909	Reverse	0.016	25.2	30.2	0.18	111.1	0.011	<20	0.46	0.025	0.33	0.4	0.7	0.17	0.21	7	0.7	0.04	1.1
1478910	Reverse	0.030	21.4	13.1	0.23	107.0	0.026	<20	0.56	0.032	0.33	2.0	0.7	0.18	0.23	6	0.6	0.04	1.9
1478911	Reverse	0.018	21.4	15.1	0.21	81.3	0.021	<20	0.50	0.024	0.34	0.2	1.0	0.23	0.17	6	0.3	0.03	1.2
1478912	Reverse	0.014	27.7	16.5	0.12	106.9	0.010	<20	0.46	0.039	0.32	0.2	0.6	0.17	0.11	<5	0.3	0.03	1.3
1478913	Reverse	0.016	24.7	18.5	0.16	123.4	0.011	<20	0.50	0.036	0.34	0.2	0.6	0.19	0.07	6	<0.1	0.02	1.3
1478914	Reverse	0.013	18.4	15.3	0.11	84.6	0.004	<20	0.35	0.025	0.25	0.2	0.5	0.11	0.08	7	<0.1	<0.02	0.8
1478915	Reverse	0.011	16.1	8.8	0.06	42.8	0.003	<20	0.27	0.039	0.19	<0.1	0.6	0.08	0.07	13	<0.1	0.02	0.6
1478916	Reverse	0.013	20.6	10.9	0.08	76.0	0.003	<20	0.33	0.034	0.21	0.1	0.6	0.09	0.06	8	<0.1	<0.02	0.8
1478917	Reverse	0.022	15.7	38.2	0.86	140.4	0.069	<20	1.21	0.018	0.88	0.2	3.4	0.66	0.31	<5	<0.1	0.03	2.8
1478918	Reverse	0.044	9.0	116.6	1.41	140.8	0.133	<20	1.53	0.039	0.91	<0.1	4.4	0.54	0.18	<5	<0.1	0.03	3.3
1478919	Reverse	0.030	11.4	61.8	0.93	140.8	0.074	<20	1.13	0.023	0.80	0.1	2.0	0.43	0.12	<5	<0.1	<0.02	2.2
1478920	Reverse	0.027	13.6	30.8	0.55	201.6	0.079	<20	0.90	0.048	0.41	0.2	1.9	0.24	0.05	10	<0.1	<0.02	2.3
1478921	Reverse	0.076	4.4	29.9	1.60	118.7	0.152	<20	1.80	0.098	0.43	0.2	5.3	0.20	0.03	<5	<0.1	<0.02	4.3
1478922	Reverse	0.065	3.7	129.2	1.70	107.2	0.212	<20	1.70	0.069	0.48	0.2	4.5	0.20	0.03	<5	<0.1	<0.02	3.4
1478923	Reverse	0.078	2.5	133.1	1.72	136.2	0.191	<20	1.74	0.073	0.48	0.2	4.4	0.21	0.04	<5	<0.1	<0.02	3.6
1478924	Reverse	0.034	9.3	105.4	1.26	150.6	0.139	<20	1.41	0.049	0.82	0.2	3.6	0.44	0.02	5	<0.1	<0.02	3.2
1478925	Reverse	0.019	20.3	36.4	0.53	89.0	0.047	<20	0.88	0.037	0.47	0.1	2.0	0.34	<0.02	<5	<0.1	<0.02	2.3
1478926	Reverse	0.013	22.5	12.3	0.20	93.4	0.011	<20	0.53	0.039	0.26	0.1	0.9	0.14	0.03	8	<0.1	<0.02	1.7
1478927	Reverse	0.015	25.7	8.0	0.13	128.5	0.009	<20	0.49	0.045	0.27	0.2	1.2	0.16	0.05	11	0.3	0.03	1.8
1478928	Reverse	0.015	27.2	10.4	0.13	114.1	0.007	<20	0.53	0.043	0.26	0.3	1.1	0.18	0.18	32	0.9	0.05	1.6
1478929	Reverse	0.012	26.1	5.6	0.10	89.9	0.003	<20	0.47	0.038	0.22	0.2	0.8	0.13	0.16	5	0.6	0.02	1.3
1478930	Reverse	0.012	23.2	25.8	0.26	121.6	0.004	<20	0.70	0.026	0.21	<0.1	1.1	0.13	0.07	6	0.2	<0.02	2.0



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		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
1478931	Reverse	1.08	2.90	28.17	28.34	87.5	88	45.1	11.9	754	2.29	76.1	2.3	1.6	8.1	65.9	0.24	0.11	0.22	37	2.77
1478932	Reverse	1.24	2.16	49.45	39.04	71.6	208	29.6	7.1	518	1.66	99.0	2.4	2.0	9.7	49.3	0.23	0.12	0.47	19	1.83
1478933	Reverse	2.04	1.55	29.57	33.76	86.2	131	57.4	11.0	660	2.11	31.5	2.7	0.4	8.5	78.1	0.26	0.10	0.31	34	2.29
1478934	Reverse	1.40	1.28	40.10	101.69	47.5	278	5.9	2.1	276	0.80	14.6	2.5	3.6	10.4	43.8	0.60	0.07	0.46	5	1.00
1478935	Reverse	1.21	2.51	174.48	74.46	66.9	483	2.1	2.8	310	1.29	67.9	2.3	4.6	10.6	46.0	0.77	0.18	0.32	4	0.61
1478936	Reverse	1.33	6.16	46.70	61.48	63.7	186	1.5	1.9	256	1.02	11.2	2.6	0.5	10.4	48.3	0.66	0.09	0.26	4	0.77
1478937	Reverse	1.41	3.51	32.47	299.58	51.1	307	1.8	1.9	253	0.78	17.5	2.6	3.1	10.6	48.5	0.88	0.09	0.50	3	1.00
1478938	Reverse	1.14	2.45	26.02	91.60	48.0	215	2.0	1.5	262	0.76	26.5	4.0	2.2	15.8	68.8	0.59	0.08	0.41	3	1.03
1478939	Reverse	1.39	2.19	25.79	48.69	51.8	134	2.0	1.9	269	0.94	14.9	3.1	0.7	12.6	61.8	0.32	0.09	0.25	4	0.72
1478940	Reverse	1.48	3.08	81.71	371.72	41.4	770	3.8	2.7	269	1.05	22.8	3.2	3.4	12.3	50.6	0.71	0.19	1.02	6	0.60
1478941	Reverse	1.28	3.70	26.76	56.95	69.2	206	31.6	11.1	588	2.03	23.8	2.0	1.3	7.9	69.6	0.23	0.16	0.38	34	1.79
1478942	Reverse	1.59	8.53	33.61	37.15	47.6	110	3.7	2.4	375	1.16	17.9	2.8	0.8	10.7	57.4	0.18	0.19	0.23	5	0.64
1478943	Reverse	1.26	2.97	26.72	34.87	36.8	97	3.6	2.2	373	0.88	46.1	3.0	0.6	10.1	75.1	0.22	0.08	0.20	4	1.12
1478944	Reverse	1.67	3.12	16.47	39.58	42.7	103	7.0	3.1	364	1.29	14.2	2.7	0.8	9.6	56.6	0.19	0.08	0.20	8	1.02
1478945	Reverse	1.33	21.96	45.79	31.42	61.7	97	12.2	6.5	479	2.02	10.3	3.1	0.9	10.3	66.2	0.25	0.13	0.18	17	1.28
1478946	Reverse	1.19	2.71	23.15	34.72	42.3	113	2.9	1.9	289	1.15	9.7	2.8	1.9	10.9	41.8	0.26	0.06	0.18	4	0.72
1478947	Reverse	1.20	4.75	87.54	33.45	54.1	153	2.6	3.0	331	1.52	6.5	2.8	1.0	11.5	44.8	0.27	0.11	0.19	4	0.68
1478948	Reverse	0.32	2.55	45.03	30.32	53.4	112	6.3	3.1	302	1.30	7.4	2.2	1.0	11.3	29.1	0.38	0.11	0.16	8	0.63
1478949	Reverse	0.53	2.68	38.42	35.08	62.2	98	14.4	5.8	380	1.52	5.1	2.3	0.7	11.5	28.1	0.42	0.15	0.21	17	0.64
1478950	Reverse	0.69	2.57	35.18	41.04	52.6	118	4.9	4.0	407	1.09	3.6	1.6	1.1	12.9	36.4	0.39	0.08	0.18	9	0.98
1478951	Reverse	0.90	2.72	36.89	45.41	44.7	118	2.9	3.4	456	0.91	4.3	1.6	0.4	11.7	36.0	0.40	0.07	0.18	6	1.00
1478952	Reverse	1.04	2.28	23.04	49.70	31.5	120	1.8	2.4	457	0.75	12.1	1.5	0.5	10.6	33.9	0.44	0.06	0.21	3	1.04
1478953	Reverse	1.30	2.34	23.19	58.62	38.7	116	1.7	2.2	452	0.62	22.9	2.0	0.4	12.0	36.1	0.43	0.11	0.20	3	1.30
1478954	Reverse	2.08	1.34	22.07	42.20	41.9	118	4.0	4.1	466	1.04	6.9	1.9	0.2	10.1	36.4	0.30	0.07	0.18	8	1.06
1478955	Reverse	1.34	1.92	33.17	39.38	43.0	129	6.3	4.0	438	1.15	3.4	2.6	0.8	11.4	32.5	0.27	0.08	0.20	10	0.98
1478956	Reverse	1.56	2.07	21.76	54.63	37.2	127	1.9	1.9	325	0.93	3.0	1.6	0.6	11.5	20.9	0.25	0.05	0.17	4	0.78
1478957	Reverse	1.51	1.75	24.74	23.94	37.4	98	4.3	5.7	334	1.32	2.1	1.7	<0.2	9.1	27.1	0.20	0.07	0.15	16	0.90
1478958	Reverse	1.46	1.47	58.70	17.84	41.5	100	39.3	12.1	356	1.84	2.1	1.4	0.2	5.4	31.8	0.21	0.08	0.08	35	1.14
1478959	Reverse	0.91	1.36	31.89	33.30	44.7	125	36.8	9.3	376	1.61	2.0	1.6	0.6	8.1	31.9	0.29	0.08	0.16	23	1.01
1478960	Reverse	1.97	2.34	28.27	46.02	41.7	140	12.9	4.7	304	1.18	4.0	1.8	0.5	9.4	25.2	0.28	0.08	0.18	12	0.68

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.



**BUREAU VERITAS** MINERAL LABORATORIES  
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Project: DUBLOON  
Report Date: August 19, 2020

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# CERTIFICATE OF ANALYSIS

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Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
1478931	Reverse	0.022	19.8	155.5	1.47	121.9	0.043	<20	1.70	0.022	0.72	0.1	4.7	0.45	0.05	<5	0.1	0.03	4.3
1478932	Reverse	0.016	20.0	105.1	0.80	105.9	0.023	<20	1.07	0.037	0.37	0.2	2.8	0.25	0.04	7	0.6	0.04	3.3
1478933	Reverse	0.019	18.3	194.0	1.46	210.7	0.035	<20	1.60	0.028	0.64	<0.1	5.0	0.48	0.04	9	0.3	<0.02	4.2
1478934	Reverse	0.011	20.9	21.4	0.17	141.4	0.008	<20	0.58	0.050	0.26	0.1	1.0	0.14	0.04	<5	0.5	0.03	1.7
1478935	Reverse	0.011	17.1	7.8	0.13	104.5	0.011	<20	0.71	0.052	0.28	0.2	1.6	0.27	0.10	<5	0.6	0.04	2.6
1478936	Reverse	0.010	21.0	7.0	0.13	103.4	0.009	<20	0.66	0.045	0.26	<0.1	1.3	0.25	0.03	<5	0.2	0.03	2.4
1478937	Reverse	0.011	21.1	6.9	0.12	117.8	0.006	<20	0.59	0.041	0.26	8.9	1.0	0.18	0.04	<5	0.3	<0.02	2.0
1478938	Reverse	0.011	15.5	8.4	0.12	153.4	0.005	<20	0.72	0.037	0.25	0.5	1.1	0.15	0.03	<5	0.1	0.02	2.2
1478939	Reverse	0.011	16.5	7.1	0.14	158.4	0.011	<20	0.73	0.041	0.27	0.4	1.2	0.22	0.02	<5	0.2	<0.02	2.6
1478940	Reverse	0.010	17.9	11.4	0.23	147.5	0.019	<20	0.79	0.054	0.29	0.3	1.5	0.23	0.03	5	1.0	0.04	2.6
1478941	Reverse	0.021	13.2	93.5	1.27	226.9	0.087	<20	1.68	0.045	0.93	0.3	3.0	0.76	<0.02	<5	0.2	0.04	3.9
1478942	Reverse	0.011	18.0	12.9	0.22	213.0	0.023	<20	0.85	0.048	0.32	0.7	1.4	0.27	0.03	<5	0.2	<0.02	2.6
1478943	Reverse	0.013	18.6	11.1	0.17	298.2	0.012	<20	0.80	0.035	0.29	0.4	1.2	0.20	0.03	<5	<0.1	<0.02	2.3
1478944	Reverse	0.012	18.5	21.7	0.35	196.2	0.028	<20	0.93	0.041	0.46	0.3	1.6	0.40	0.02	<5	0.1	<0.02	2.6
1478945	Reverse	0.014	20.9	40.5	0.68	283.9	0.058	<20	1.42	0.047	0.75	0.4	2.7	0.58	0.06	<5	0.4	0.02	3.9
1478946	Reverse	0.011	21.1	10.3	0.16	175.2	0.028	<20	0.74	0.057	0.35	0.7	1.5	0.29	0.02	<5	<0.1	0.02	2.5
1478947	Reverse	0.010	21.2	8.6	0.17	144.6	0.029	<20	0.81	0.060	0.36	0.8	1.5	0.37	0.12	<5	0.5	0.03	3.1
1478948	Reverse	0.015	20.4	16.8	0.19	130.3	0.032	<20	0.74	0.040	0.34	0.6	1.5	0.25	0.04	<5	0.4	0.03	2.4
1478949	Reverse	0.024	21.5	34.4	0.33	156.5	0.044	<20	1.01	0.037	0.40	0.6	1.9	0.23	0.03	6	0.2	0.04	2.7
1478950	Reverse	0.024	28.9	12.7	0.18	122.2	0.017	<20	0.66	0.032	0.37	2.1	1.1	0.19	0.08	<5	0.1	0.03	2.0
1478951	Reverse	0.019	29.5	10.1	0.11	132.6	0.009	<20	0.58	0.037	0.37	0.9	0.9	0.17	0.08	<5	0.4	0.04	1.6
1478952	Reverse	0.013	23.5	6.7	0.07	118.2	0.005	<20	0.49	0.035	0.32	0.7	0.6	0.13	0.05	<5	0.2	0.03	1.2
1478953	Reverse	0.012	20.8	7.8	0.06	115.5	0.003	<20	0.47	0.035	0.31	0.6	0.5	0.12	0.05	<5	0.1	0.03	1.3
1478954	Reverse	0.013	22.7	8.5	0.26	155.2	0.023	<20	0.74	0.052	0.42	0.4	1.0	0.19	0.10	<5	0.2	0.03	1.7
1478955	Reverse	0.016	25.0	18.9	0.28	175.5	0.029	<20	0.78	0.058	0.36	0.4	1.5	0.18	0.06	<5	0.2	0.05	2.4
1478956	Reverse	0.012	23.8	6.3	0.12	147.7	0.015	<20	0.59	0.059	0.30	0.2	0.8	0.15	0.04	5	0.1	<0.02	1.8
1478957	Reverse	0.022	20.0	8.4	0.48	157.3	0.059	<20	0.95	0.056	0.40	0.2	1.8	0.18	0.03	<5	<0.1	0.03	2.5
1478958	Reverse	0.043	10.5	93.5	1.12	166.7	0.171	<20	1.33	0.080	0.51	0.2	4.0	0.24	0.06	<5	0.2	0.03	3.1
1478959	Reverse	0.027	14.8	63.5	0.83	189.3	0.150	<20	1.21	0.059	0.63	0.2	2.3	0.33	0.03	<5	<0.1	0.02	2.8
1478960	Reverse	0.017	17.0	31.3	0.41	140.3	0.060	<20	0.83	0.059	0.43	0.4	1.6	0.26	0.04	<5	<0.1	<0.02	2.3



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**Project:** DUBLOON  
**Report Date:** August 19, 2020

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# CERTIFICATE OF ANALYSIS

WHI20000142.1

Method	Analyte	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
Unit	MDL	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.1	0.1	0.5	0.01	0.02	0.02	1	0.01
1478961	Reverse	1.44	2.22	52.45	49.07	47.0	163	5.6	3.9	247	0.98	2.2	2.3	0.6	9.6	36.1	0.28	0.10	0.22	8	0.68
1478962	Reverse	1.29	1.57	70.77	63.86	62.3	254	16.3	8.0	372	1.67	1.4	2.2	0.5	9.1	27.6	0.31	0.07	0.29	21	0.74
1478963	Reverse	1.71	2.36	52.44	54.78	51.7	199	11.9	5.8	353	1.36	3.8	2.0	2.0	9.0	29.0	0.37	0.12	0.25	16	0.91
1478964	Reverse	1.66	1.70	38.03	86.13	82.6	221	6.1	3.4	330	1.01	3.3	1.9	2.0	10.9	33.0	1.51	0.14	0.31	7	0.86
1478965	Reverse	1.38	1.55	16.48	202.08	78.0	393	14.3	5.2	629	1.43	1.3	1.1	2.0	9.2	57.0	0.49	0.13	0.69	16	1.48
1478966	Reverse	1.18	1.20	78.76	52.15	44.9	306	3.8	2.7	362	1.22	1.7	1.3	0.4	10.1	29.6	0.25	0.19	0.27	6	0.80
1478967	Reverse	1.18	1.99	64.55	415.98	74.2	1347	14.0	3.6	562	1.39	1.2	1.5	3.7	10.4	66.9	0.53	0.16	2.40	8	1.89
1478968	Reverse	1.34	4.04	73.67	100.29	49.9	338	2.0	1.9	305	0.98	7.5	1.9	1.1	11.5	27.5	0.38	0.34	0.61	3	0.97
1478969	Reverse	0.88	3.83	66.57	60.86	45.4	185	3.0	2.1	298	0.82	7.8	3.0	1.1	13.1	28.2	0.32	0.48	0.23	3	1.14
1478970	Reverse	1.39	3.36	33.35	75.15	37.3	162	1.2	1.3	226	0.58	3.0	1.8	<0.2	9.6	21.9	0.36	0.19	0.27	2	0.88
1478971	Reverse	1.22	2.71	24.48	54.60	27.7	148	0.8	1.2	202	0.66	8.4	2.0	<0.2	10.9	23.6	0.27	0.24	0.36	2	0.75
1478972	Reverse	0.74	2.24	26.62	63.66	32.0	177	0.7	1.1	295	0.71	13.2	2.7	<0.2	11.7	36.2	0.25	0.24	0.44	2	1.08
1478973	Reverse	0.22	2.30	32.27	41.50	38.3	146	2.2	1.8	326	0.92	7.1	1.9	<0.2	12.2	34.1	0.34	0.23	0.32	5	0.97
1478974	Reverse	0.53	5.08	85.40	40.00	37.7	205	5.3	4.5	376	1.59	7.7	2.9	<0.2	11.8	43.2	0.43	0.13	0.39	13	1.26
1478975	Reverse	0.48	2.68	20.16	26.38	20.5	95	4.2	3.4	350	0.97	1.7	1.2	<0.2	11.2	54.7	0.22	0.05	0.24	11	1.65
1478976	Reverse	0.44	1.69	25.19	96.47	18.1	180	1.3	1.3	313	0.58	1.2	1.1	<0.2	11.9	41.4	0.28	0.05	0.30	2	1.23
1478977	Reverse	0.57	2.19	17.16	56.06	23.2	131	0.8	1.2	354	0.67	1.2	1.1	<0.2	11.0	31.9	0.23	0.03	0.20	2	0.99
1478978	Reverse	0.59	3.58	14.68	31.61	20.3	122	1.0	1.3	335	0.68	6.5	1.2	<0.2	11.8	31.6	0.21	0.05	0.26	2	0.92
1478979	Reverse	0.59	1.88	12.08	60.12	18.1	131	0.9	1.1	361	0.56	2.5	1.4	<0.2	11.2	42.1	0.23	0.03	0.25	2	1.02
1478980	Reverse	0.86	1.26	18.31	52.80	42.3	129	2.9	2.3	436	0.92	0.5	2.4	<0.2	12.5	33.4	0.25	0.03	0.20	4	1.09
1478981	Reverse	1.04	1.64	26.79	37.65	93.7	96	31.3	11.2	761	2.20	3.1	1.7	<0.2	9.2	42.9	0.38	0.08	0.21	38	2.08
1478982	Reverse	0.56	4.56	46.83	53.92	50.6	207	4.2	2.7	355	1.22	1.3	2.0	0.3	11.4	24.8	0.38	0.06	0.33	5	0.98
1478983	Reverse	0.57	2.14	16.65	36.24	24.2	145	1.1	0.9	211	0.61	1.7	2.3	<0.2	10.4	20.1	0.24	0.03	0.31	2	0.74
1478984	Reverse	1.25	1.45	17.88	20.04	58.4	79	12.2	13.6	521	2.44	1.9	4.4	<0.2	6.1	50.6	0.16	0.08	0.11	49	1.73
1478985	Reverse	1.08	1.61	42.35	23.64	60.3	106	39.7	13.1	535	2.26	42.9	4.5	<0.2	8.1	66.5	0.26	0.42	0.17	39	2.14
1478986	Reverse	0.53	8.85	37.70	89.93	48.4	409	9.9	3.4	351	1.12	20.3	2.6	<0.2	12.5	37.3	0.37	0.90	1.00	7	1.11
1478987	Reverse	0.54	4.95	38.95	51.62	34.9	183	1.4	1.7	220	0.81	5.3	2.5	<0.2	11.5	34.4	0.29	0.99	0.34	3	0.79
1478988	Reverse	0.67	4.38	50.11	50.05	52.9	194	10.7	3.2	279	1.03	3.4	2.4	0.4	11.9	45.4	0.33	0.55	0.31	6	0.87
1478989	Reverse	1.03	4.16	53.12	64.29	40.7	245	3.2	1.9	222	0.89	2.8	2.1	<0.2	10.3	34.6	0.46	0.30	0.32	4	0.76
1478990	Reverse	0.72	3.28	34.72	72.66	42.5	193	2.8	1.8	241	0.82	2.4	2.4	1.0	11.0	52.7	0.66	0.15	0.33	4	0.88



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Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL		0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1478961	Reverse	0.024	17.1	13.2	0.23	108.6	0.039	<20	0.62	0.053	0.28	0.3	1.3	0.19	0.12	<5	0.3	0.02	2.5
1478962	Reverse	0.024	15.5	54.9	0.73	219.3	0.097	<20	1.17	0.060	0.69	0.5	2.4	0.39	0.08	<5	0.6	0.04	3.0
1478963	Reverse	0.018	18.5	35.7	0.54	179.5	0.064	<20	0.92	0.055	0.56	0.4	1.7	0.35	0.06	<5	0.4	0.02	2.3
1478964	Reverse	0.013	22.9	17.3	0.25	134.6	0.029	<20	0.61	0.060	0.36	0.3	1.0	0.25	0.06	<5	0.3	0.02	1.8
1478965	Reverse	0.018	20.8	53.3	0.57	122.0	0.046	<20	0.91	0.038	0.58	0.3	2.7	0.51	0.02	<5	0.6	0.04	2.7
1478966	Reverse	0.013	24.6	14.3	0.25	111.6	0.020	<20	0.66	0.064	0.35	0.2	1.2	0.29	0.08	<5	0.4	<0.02	2.4
1478967	Reverse	0.014	23.0	47.7	0.38	116.8	0.032	<20	0.86	0.038	0.50	0.3	1.7	0.53	0.06	<5	2.2	0.11	2.4
1478968	Reverse	0.012	28.0	6.9	0.12	113.9	0.012	<20	0.55	0.045	0.33	0.3	0.9	0.27	0.06	<5	0.7	0.05	1.6
1478969	Reverse	0.012	28.1	10.9	0.10	128.4	0.007	<20	0.45	0.026	0.29	0.5	0.8	0.20	0.06	7	0.2	<0.02	1.4
1478970	Reverse	0.012	15.7	4.8	0.05	100.6	0.007	<20	0.38	0.027	0.24	0.2	0.7	0.14	0.03	<5	<0.1	<0.02	1.0
1478971	Reverse	0.011	17.0	4.7	0.05	76.6	0.006	<20	0.39	0.030	0.23	0.2	0.6	0.15	0.04	6	<0.1	0.02	1.2
1478972	Reverse	0.011	27.1	4.1	0.06	96.6	0.003	<20	0.43	0.030	0.25	0.2	0.6	0.17	0.04	15	<0.1	<0.02	1.3
1478973	Reverse	0.016	26.9	9.0	0.09	106.1	0.006	<20	0.48	0.031	0.31	0.6	0.7	0.17	0.03	<5	0.2	<0.02	1.3
1478974	Reverse	0.023	25.4	10.0	0.16	92.4	0.005	<20	0.60	0.019	0.27	0.3	1.8	0.14	0.15	<5	0.6	0.06	1.8
1478975	Reverse	0.020	23.4	9.8	0.13	78.0	0.004	<20	0.51	0.017	0.26	0.3	1.4	0.11	0.08	<5	<0.1	<0.02	1.4
1478976	Reverse	0.012	25.4	4.3	0.03	93.3	0.002	<20	0.37	0.024	0.29	0.5	0.4	0.12	0.08	<5	0.3	0.05	0.8
1478977	Reverse	0.012	28.4	5.0	0.04	108.0	0.002	<20	0.39	0.030	0.29	0.3	0.4	0.11	0.04	<5	<0.1	0.02	0.9
1478978	Reverse	0.012	25.8	3.8	0.05	92.7	0.002	<20	0.42	0.030	0.28	0.4	0.5	0.11	0.04	<5	<0.1	<0.02	0.9
1478979	Reverse	0.012	25.1	5.1	0.04	114.6	0.002	<20	0.35	0.031	0.27	0.4	0.3	0.12	0.05	<5	0.3	<0.02	0.8
1478980	Reverse	0.013	29.1	8.6	0.16	116.2	0.010	<20	0.53	0.036	0.34	0.5	0.7	0.19	0.06	<5	<0.1	<0.02	1.4
1478981	Reverse	0.032	18.9	99.7	1.37	213.6	0.098	<20	1.79	0.029	1.06	0.4	3.6	0.66	0.03	<5	0.2	<0.02	3.7
1478982	Reverse	0.014	21.5	16.5	0.22	133.9	0.020	<20	0.68	0.035	0.40	0.4	1.1	0.32	0.06	<5	0.3	0.07	2.1
1478983	Reverse	0.011	20.5	5.1	0.06	87.9	0.009	<20	0.40	0.029	0.26	0.4	0.5	0.15	<0.02	<5	0.2	0.03	1.1
1478984	Reverse	0.051	12.0	22.6	1.36	246.4	0.122	<20	1.64	0.063	0.52	0.2	5.3	0.26	0.02	<5	0.3	<0.02	3.8
1478985	Reverse	0.032	16.0	90.0	1.23	208.9	0.089	<20	1.60	0.038	0.49	0.2	5.2	0.27	0.09	19	0.5	0.03	4.0
1478986	Reverse	0.015	28.1	29.6	0.24	131.3	0.012	<20	0.64	0.028	0.32	0.4	1.1	0.25	0.05	8	0.7	0.05	1.8
1478987	Reverse	0.012	21.0	6.0	0.09	83.6	0.007	<20	0.47	0.030	0.26	0.3	0.6	0.36	0.07	<5	0.4	<0.02	1.6
1478988	Reverse	0.014	16.8	37.7	0.29	84.1	0.012	<20	0.67	0.030	0.30	0.8	1.4	0.36	0.08	<5	0.5	<0.02	2.0
1478989	Reverse	0.013	13.7	12.6	0.14	80.7	0.011	<20	0.59	0.030	0.29	2.3	0.9	0.26	0.04	5	0.7	<0.02	1.7
1478990	Reverse	0.014	17.3	10.6	0.15	98.8	0.008	<20	0.61	0.027	0.27	1.1	1.0	0.22	0.04	<5	0.8	<0.02	1.8



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Project: DUBLOON  
Report Date: August 19, 2020

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# CERTIFICATE OF ANALYSIS

WHI20000142.1

Method	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	
1478991	Reverse	1.09	5.10	51.14	65.63	42.2	205	1.9	2.0	260	0.92	5.4	3.3	<0.2	13.5	41.5	0.33	0.31	0.42	3	1.14
1478992	Reverse	1.11	2.62	38.12	50.91	38.8	161	2.6	2.1	253	0.91	6.7	3.1	<0.2	13.0	33.9	0.35	0.25	0.33	4	1.00
1478993	Reverse	1.85	2.66	27.94	61.17	46.5	190	2.2	2.0	266	0.93	8.6	2.9	0.3	12.6	52.4	0.40	0.22	0.40	3	1.10
1478994	Reverse	1.38	3.88	16.02	55.00	44.5	198	1.9	1.7	275	0.89	4.5	2.0	0.4	11.2	37.8	0.29	0.21	0.61	3	0.66
1478995	Reverse	1.56	2.78	19.73	44.35	41.4	189	1.9	1.8	241	0.93	6.0	2.3	0.4	10.6	38.4	0.22	0.15	0.53	3	0.61





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# CERTIFICATE OF ANALYSIS

WHI20000142.1

Method	Analyte	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
Unit		%	ppm	ppm	%	ppm	%	ppm	%	%	ppm	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
MDL		0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
1478991	Reverse	0.015	23.7	7.3	0.11	94.4	0.010	<20	0.55	0.031	0.31	1.1	0.9	0.36	0.07	7	0.9	<0.02	1.7
1478992	Reverse	0.014	25.1	10.8	0.11	90.4	0.010	<20	0.55	0.035	0.31	0.8	0.8	0.29	0.05	<5	0.4	0.03	1.6
1478993	Reverse	0.014	26.0	8.5	0.15	88.0	0.007	<20	0.61	0.029	0.28	0.4	0.8	0.30	0.04	7	0.4	0.02	1.8
1478994	Reverse	0.015	18.3	8.7	0.13	86.6	0.012	<20	0.57	0.029	0.27	0.7	0.9	0.27	0.03	5	0.2	<0.02	1.8
1478995	Reverse	0.013	17.2	7.5	0.13	89.1	0.013	<20	0.55	0.033	0.25	0.5	0.8	0.25	0.04	<5	0.2	<0.02	1.8



# QUALITY CONTROL REPORT

WHI20000142.1

Method	WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
Analyte	Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	
Unit	kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	
MDL	0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01	
Pulp Duplicates																					
1478944	Reverse Circ	1.67	3.12	16.47	39.58	42.7	103	7.0	3.1	364	1.29	14.2	2.7	0.8	9.6	56.6	0.19	0.08	0.20	8	1.02
REP 1478944	QC		3.36	17.27	42.80	46.0	96	7.0	3.3	365	1.31	14.3	2.8	0.8	9.9	57.3	0.17	0.08	0.21	8	1.05
1478978	Reverse Circ	0.59	3.58	14.68	31.61	20.3	122	1.0	1.3	335	0.68	6.5	1.2	<0.2	11.8	31.6	0.21	0.05	0.26	2	0.92
REP 1478978	QC		3.91	14.92	32.35	19.4	118	1.1	1.2	343	0.70	6.5	1.2	<0.2	11.8	32.1	0.22	0.04	0.26	2	0.96
Core Reject Duplicates																					
1478912	Reverse Circ	1.23	1.46	33.20	26.39	31.9	73	5.5	2.6	447	0.80	2.5	2.4	0.3	12.7	38.1	0.28	0.08	0.09	4	1.13
DUP 1478912	QC		1.46	29.85	26.38	29.4	65	6.3	2.5	439	0.75	2.8	2.5	0.7	13.4	36.6	0.24	0.08	0.09	4	1.12
1478946	Reverse Circ	1.19	2.71	23.15	34.72	42.3	113	2.9	1.9	289	1.15	9.7	2.8	1.9	10.9	41.8	0.26	0.06	0.18	4	0.72
DUP 1478946	QC		2.75	23.76	36.52	43.7	111	2.8	2.1	294	1.17	10.3	2.9	2.1	11.3	42.5	0.24	0.07	0.18	4	0.72
1478980	Reverse Circ	0.86	1.26	18.31	52.80	42.3	129	2.9	2.3	436	0.92	0.5	2.4	<0.2	12.5	33.4	0.25	0.03	0.20	4	1.09
DUP 1478980	QC		1.21	19.53	51.91	40.8	119	2.8	2.0	436	0.86	0.2	2.3	<0.2	12.2	32.6	0.28	0.04	0.18	3	1.11
Reference Materials																					
STD BVGEO01	Standard		10.47	4395.78	183.34	1740.1	2529	164.9	24.4	711	3.69	117.9	3.9	214.2	14.6	55.4	6.30	1.82	24.90	73	1.31
STD DS11	Standard		14.90	147.33	140.53	343.5	1709	79.8	13.3	1055	3.11	45.7	2.4	66.9	8.2	69.7	2.40	7.46	11.94	50	1.05
STD DS11	Standard		13.05	140.76	124.59	326.6	1606	78.4	13.0	1035	3.13	41.8	2.2	46.8	6.9	63.7	2.34	5.90	10.74	49	1.06
STD DS11	Standard		15.20	157.75	144.64	351.6	1729	83.3	15.0	1011	3.13	43.9	2.9	75.9	9.6	70.3	2.44	8.22	13.03	50	1.05
STD OREAS262	Standard		0.61	115.64	57.32	149.3	442	64.0	26.8	548	3.20	36.5	1.2	56.2	9.7	37.4	0.62	3.23	1.04	21	2.95
STD OREAS262	Standard		0.60	113.71	54.43	152.8	460	63.9	27.4	531	3.22	35.8	1.2	46.4	9.0	34.4	0.68	1.69	0.96	21	2.95
STD OREAS262	Standard		0.59	108.78	51.34	146.9	446	61.8	27.6	556	3.31	36.5	1.1	45.4	8.4	34.9	0.64	1.55	0.95	22	3.02
STD OREAS262	Standard		0.69	119.07	59.95	160.2	467	65.3	29.5	542	3.39	37.0	1.3	66.9	10.8	36.9	0.64	3.33	1.14	22	2.96
STD BVGEO01 Expected			10.8	4415	187	1741	2530	163	25	733	3.7	121	3.77	219	14.4	55	6.5	2.2	25.6	73	1.3219
STD DS11 Expected			13.9	149	138	345	1710	77.7	14.2	1055	3.1	42.8	2.59	79	7.65	67.3	2.37	7.2	12.2	50	1.063
STD OREAS262 Expected			0.68	118	56	154	450	62	26.9	530	3.284	35.8	1.22	65	9.33	36	0.61	3.39	1.03	22.5	2.98
BLK	Blank		<0.01	0.05	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	0.2	<0.5	<0.01	<0.02	<0.02	<1	<0.01
BLK	Blank		<0.01	0.06	0.02	<0.1	<2	<0.1	<0.1	<1	<0.01	0.2	<0.1	<0.2	0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01
BLK	Blank		<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	0.1	<0.5	<0.01	<0.02	<0.02	<1	<0.01
BLK	Blank		<0.01	<0.01	0.03	<0.1	<2	<0.1	<0.1	<1	<0.01	<0.1	<0.1	<0.2	0.2	<0.5	<0.01	<0.02	<0.02	<1	<0.01
Prep Wash																					



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Project: DUBLOON  
Report Date: August 19, 2020

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# QUALITY CONTROL REPORT

WHI20000142.1

Method	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
Analyte	P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Ti	S	Hg	Se	Te	Ga	
Unit	%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm	
MDL	0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1	
Pulp Duplicates																			
1478944	Reverse Circ	0.012	18.5	21.7	0.35	196.2	0.028	<20	0.93	0.041	0.46	0.3	1.6	0.40	0.02	<5	0.1	<0.02	2.6
REP 1478944	QC	0.013	18.8	21.7	0.35	195.2	0.028	<20	0.94	0.042	0.46	0.3	1.7	0.43	0.02	<5	0.2	<0.02	2.6
1478978	Reverse Circ	0.012	25.8	3.8	0.05	92.7	0.002	<20	0.42	0.030	0.28	0.4	0.5	0.11	0.04	<5	<0.1	<0.02	0.9
REP 1478978	QC	0.012	26.8	3.9	0.05	94.8	0.002	<20	0.42	0.032	0.28	0.4	0.4	0.12	0.04	<5	<0.1	<0.02	0.9
Core Reject Duplicates																			
1478912	Reverse Circ	0.014	27.7	16.5	0.12	106.9	0.010	<20	0.46	0.039	0.32	0.2	0.6	0.17	0.11	<5	0.3	0.03	1.3
DUP 1478912	QC	0.014	26.8	16.9	0.12	93.9	0.010	<20	0.43	0.033	0.30	0.2	0.6	0.17	0.13	6	0.2	0.04	1.2
1478946	Reverse Circ	0.011	21.1	10.3	0.16	175.2	0.028	<20	0.74	0.057	0.35	0.7	1.5	0.29	0.02	<5	<0.1	0.02	2.5
DUP 1478946	QC	0.011	22.5	10.8	0.16	177.7	0.028	<20	0.75	0.057	0.35	0.7	1.4	0.31	0.02	<5	0.2	<0.02	2.6
1478980	Reverse Circ	0.013	29.1	8.6	0.16	116.2	0.010	<20	0.53	0.036	0.34	0.5	0.7	0.19	0.06	<5	<0.1	<0.02	1.4
DUP 1478980	QC	0.013	28.8	8.1	0.16	105.1	0.010	<20	0.50	0.033	0.33	0.5	0.7	0.18	0.06	<5	<0.1	<0.02	1.2
Reference Materials																			
STD BVGEO01	Standard	0.073	27.3	172.1	1.28	334.6	0.237	<20	2.27	0.185	0.86	3.5	5.8	0.65	0.67	102	4.6	1.00	7.2
STD DS11	Standard	0.070	18.8	58.4	0.85	424.5	0.093	<20	1.14	0.074	0.41	2.7	3.4	4.95	0.29	273	2.3	4.78	5.0
STD DS11	Standard	0.073	17.3	55.3	0.85	397.4	0.088	<20	1.16	0.073	0.40	2.3	2.9	4.72	0.28	224	1.8	4.60	5.0
STD DS11	Standard	0.067	20.0	62.7	0.85	463.0	0.101	<20	1.15	0.076	0.40	2.4	3.1	5.22	0.28	267	2.3	4.93	5.3
STD OREAS262	Standard	0.042	14.0	40.7	1.17	246.9	0.003	<20	1.21	0.067	0.29	0.1	3.2	0.45	0.27	151	0.3	0.25	3.8
STD OREAS262	Standard	0.038	15.2	43.9	1.17	242.7	0.003	<20	1.21	0.065	0.30	<0.1	3.2	0.44	0.26	144	0.3	0.20	3.8
STD OREAS262	Standard	0.039	15.8	42.0	1.20	241.3	0.003	<20	1.29	0.068	0.31	<0.1	3.4	0.43	0.27	169	0.2	0.24	4.0
STD OREAS262	Standard	0.039	16.6	44.9	1.21	262.2	0.003	<20	1.29	0.072	0.31	<0.1	3.4	0.47	0.26	182	0.4	0.20	3.9
STD BVGEO01 Expected		0.0727	25.9	171	1.2963	340	0.233		2.347	0.1924	0.89	3.5	5.97	0.62	0.6655	100	4.84	1.02	7.37
STD DS11 Expected		0.0701	18.6	61.5	0.85	417	0.0976		1.129	0.0694	0.4	2.9	3.1	4.9	0.2835	260	2.2	4.56	4.7
STD OREAS262 Expected		0.04	15.9	41.7	1.17	248	0.003		1.3	0.071	0.312	0.13	3.24	0.47	0.269	170	0.4	0.23	3.9
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
BLK	Blank	<0.001	<0.5	<0.5	<0.01	<0.5	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.1	<0.02	<0.02	<5	<0.1	<0.02	<0.1
Prep Wash																			



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# QUALITY CONTROL REPORT

WHI20000142.1

		WGHT	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250
		Wgt	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca
		kg	ppm	ppm	ppm	ppm	ppb	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%
		0.01	0.01	0.01	0.01	0.1	2	0.1	0.1	1	0.01	0.1	0.1	0.2	0.1	0.5	0.01	0.02	0.02	1	0.01
ROCK-WHI	Prep Blank		0.84	22.71	1.58	37.2	22	0.4	3.4	469	1.87	0.9	0.4	1.0	2.5	21.1	0.05	0.03	<0.02	24	0.56
ROCK-WHI	Prep Blank		0.88	20.34	1.57	36.2	20	0.6	3.9	456	1.88	1.0	0.5	<0.2	2.6	25.5	0.02	0.04	<0.02	24	0.55



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Project: DUBLOON  
Report Date: August 19, 2020

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# QUALITY CONTROL REPORT

WHI20000142.1

		AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	AQ250	
		P	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Sc	Tl	S	Hg	Se	Te	Ga
		%	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppb	ppm	ppm	ppm
		0.001	0.5	0.5	0.01	0.5	0.001	20	0.01	0.001	0.01	0.1	0.1	0.02	0.02	5	0.1	0.02	0.1
ROCK-WHI	Prep Blank	0.043	5.8	3.8	0.46	55.9	0.077	<20	0.84	0.074	0.08	<0.1	2.8	<0.02	<0.02	<5	<0.1	<0.02	3.5
ROCK-WHI	Prep Blank	0.042	6.5	3.7	0.46	69.3	0.088	<20	0.87	0.086	0.09	<0.1	3.0	<0.02	<0.02	5	<0.1	<0.02	3.7