

Appendix F

Geochemical Monitoring of Development Rock and Ore at Rock Creek

Geochemical Monitoring of
Development Rock and ore
at Rock Creek

ABA Data

**GEOCHEMICAL MONITORING OF DEVELOPMENT ROCK AND ORE AT ROCK CREEK
WEEKLY ANALYSES**

Table F-1: Weekly Composites of Every 10th Blast Hole

Composite	Date Range	Paste pH	C Total %	S Total %	Sulfate Sulfur (%) ¹	S as Sulfide (%) ^{2,3}	AP ^{2,3}	Neutralization Potential (Kg CaCO ₃ /Tonne)	Net NP (Kg CaCO ₃ /Tonne) ^{2,3}	NP/AP ^{2,3}	Fizz	Lab	Reference #
2007													
Week 18	04/29/07-05/05/07	7.7	1.09	0.08	0.00	0.08	2.5	43.8	41.3	17.5	Moderate	ACME/Cantest	A702949
Week 19	05/06/07-05/12/07	7.7	1.88	0.19	0.00	0.19	5.9	108.8	102.9	18.3	Moderate	ACME/Cantest	A703759
Week 20	05/13/07-05/19/07	7.2	0.94	0.42	0.02	0.40	12.5	70.0	57.5	5.6	Moderate	ACME/Cantest	A703759
Week 21	05/20/07-05/26/07	7.8	0.80	0.40	0.01	0.39	12.2	55.0	42.8	4.5	Moderate	ACME/Cantest	A703759
Week 22	05/27/07-06/02/07	NO DRILLING										N/A	N/A
Week 23	06/03/07-06/09/07	7.1	0.64	0.43	0.00	0.43	13.4	19.1	5.7	1.4	None	ACME/Cantest	A705044
Week 24	6/10/07-06/16/07	7.9	0.96	0.48	0.00	0.48	15.0	55.6	40.6	3.7	Moderate	ACME/Cantest	A705044
Week 25	06/17/07-06/23/07	8.1	0.92	0.44	0.00	0.44	13.8	54.3	40.6	3.9	Moderate	ACME/Cantest	A705044
Week 26	06/24/07-06/30/07	8.1	2.13	0.3	<0.01	0.3	9.4	162.7	153.3	17.35	Strong	ACME/Cantest	VAN08003847
Week 27	07/01/07-07/07/07	7.9	1.69	0.45	0.01	0.44	13.8	120.6	106.9	8.8	Strong	ACME/Cantest	VAN07000621
Week 28	07/08/07-07/14/07	8.0	1.33	0.70	0.02	0.68	21.3	82.5	61.3	3.9	Strong	ACME/Cantest	VAN07000621
Week 29	07/15/07-07/21/07	7.9	0.82	0.47	0.02	0.45	14.1	50.6	36.5	3.6	Moderate	ACME/Cantest	VAN07000621
Week 30	07/22/07-07/28/07	8.0	1.32	0.85	0.01	0.84	26.3	96.3	70.1	3.7	Strong	ACME/Cantest	VAN07000621
Week 31	07/29/07-08/04/07	8.1	1.48	0.82	0.01	0.81	25.3	110	84.7	4.3	Strong	ACME/Cantest	VAN07000621
Week 32	08/05/07-08/11/07	8.2	1.14	0.83	0.01	0.82	25.6	93.1	67.5	3.6	Strong	ACME/Cantest	VAN07001874
Week 33	08/12/07-08/18/07	8.2	1.2	0.93	0.01	0.92	28.8	85.6	56.9	3.0	Strong	ACME/Cantest	VAN07001874
Week 34	08/19/07-08/25/07	8.2	0.96	0.69	0.01	0.68	21.3	64.4	43.2	3.0	Strong	ACME/Cantest	VAN07001874
Week 35	08/26/07-09/01/07	8.3	0.79	0.32	0.01	0.31	9.7	61.3	51.6	6.3	Strong	ACME/Cantest	VAN07001874
Week 36	09/02/07-09/08/07	7.9	0.68	0.39	<0.01	0.39	12.2	42.8	30.6	3.5	Moderate	ACME/Cantest	VAN07002577
Week 37	09/09/07-09/15/07	8.2	1.09	0.64	<0.01	0.64	20.0	88.2	68.2	4.4	Strong	ACME/Cantest	VAN07002577
Week 38	09/16/07-09/22/07	NO DRILLING										N/A	N/A
Week 39	09/23/07-09/29/07	8.5	1.30	0.95	<0.01	0.95	29.7	86.9	57.2	2.9	Moderate	ACME/Cantest	VAN07002577
Week 40	9/30/07-10/06/07	8.5	1.44	1.05	0.01	1.04	32.5	122.2	89.7	3.8	Strong	ACME/Cantest	VAN07002577
Week 41	10/07/07-10/13/07	8.5	1.70	1.06	<0.01	1.06	33.1	132.2	99.1	4.0	Strong	ACME/Cantest	VAN07002577
Week 42	10/14/07-10/20/07	NO DRILLING										N/A	N/A
Week 43	10/21/07-10/27/07	NO DRILLING										N/A	N/A
Week 44	10/28/07-11/3/07	NO DRILLING										N/A	N/A
Week 45	11/4/07-11/10/07	NO DRILLING										N/A	N/A
Week 46	11/11/07-11/17/07	PENDING										ACME/Cantest	
Week 47	11/18/07-11/24/07	PENDING										ACME/Cantest	
Week 48	11/25/07-12/01/07	PENDING										ACME/Cantest	
Week 49	12/02/07-12/08/07	PENDING										ACME/Cantest	
Week 50	12/09/07-12/15/07	7.5	0.61	0.34	<0.01	0.33	10.3	30.0	19.7	2.9	slight	ACME/Cantest	VAN08003847
Week 51	12/16/07-12/22/07	7.8	0.84	0.41	<0.01	0.41	12.8	41.5	28.7	3.2	moderate	ACME/Cantest	VAN08003847
Week 52	12/23/07-12/29/07	8.1	2.10	1.11	<0.01	1.11	34.7	155.2	120.5	4.5	strong	ACME/Cantest	VAN08003847
2008													
Week 1	12/30/07-1/5/2008	8.2	2.12	1.2	<0.01	1.2	37.5	115.6	78.1	3.1	strong	ACME/Cantest	VAN08003847

- Notes:**
1. Where Sulfate Sulfur is below detection it was set to zero for the purposes of calculating the AP.
 2. Cells highlighted in yellow are results from samples where no Sulfate Sulfur analyses were performed. In these cases, the S as Sulfide is equal to the total Sulfur and AP, Net NP and NP/AP are based on total Sulfur, not Sulfur as Sulfide.
 3. The values for S as Sulfide, AP, Net NP and NP/AP were calculated by SRK Consulting and are within +/- 0.2 units of those shown on the ACME lab reports.

**GEOCHEMICAL MONITORING OF DEVELOPMENT ROCK AND ORE AT ROCK CREEK
MONTHLY ANALYSES**

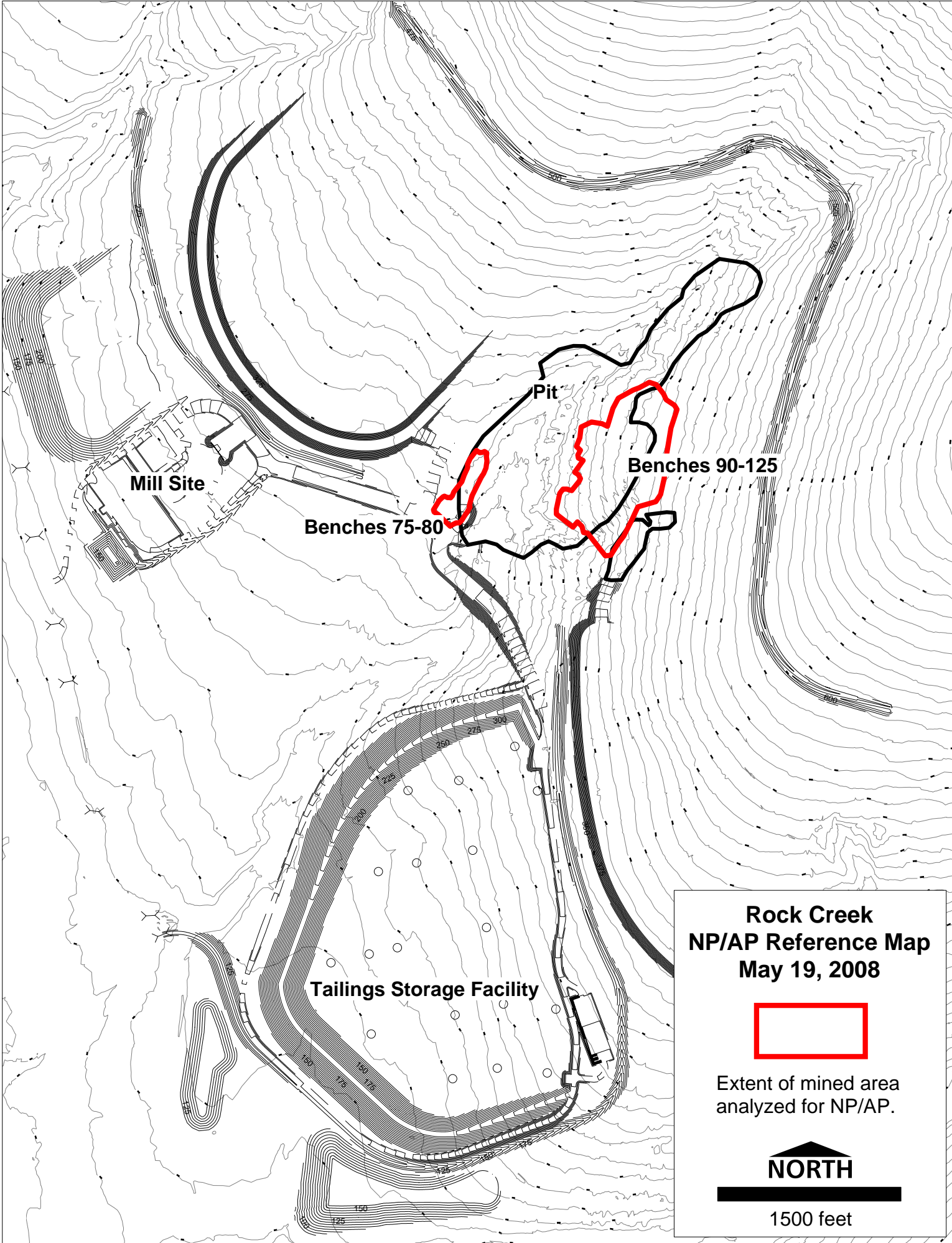
Table F-2: Split of One Weekly Composite Analyzed Monthly

	Date Range	Paste pH	C total %	S total %	Sulfate Sulfur (%) ¹	S as Sulfide (%) ^{2,3}	AP ^{2,3}	Neutralization Potential (Kg CaCO ₃ /Tonne)	Net NP (Kg CaCO ₃ /Tonne) ^{2,3}	NP/AP ^{2,3}	Fizz	CaNP	Siderite Corrected NP	Lab	Reference #
Month 5	04/29/07-05/26/07	7.6	1.01	0.26	0.01	0.25	7.8	61.3	53.5	7.8	Moderate	N/A	N/A	ACME/CanTest	A703761
Month 6	05/27/07-06/30/07	7.9	0.89	0.48	0.00	0.48	15.0	54.3	39.3	3.6	Moderate	N/A	N/A	ACME/CanTest	A705046
Month 7	07/01/07-07/28/07	8.0	1.37	0.54	0.01	0.53	16.6	91.3	74.7	5.5	Strong	N/A	89.7	ACME/Cantest	VAN07000623
Month 8	07/29/07-09/01/07	8.1	1.07	0.73	0.01	0.72	22.5	75.6	53.1	3.4	Strong	N/A	74.3	ACME/Cantest	VAN07001875
Month 9	09/02/07-09/29/07	8.3	1.04	0.66	<0.01	0.66	20.6	83.1	62.5	4.0	Strong	N/A	83.8	ACME/CanTest	VAN07002578
Month 10	09/30/07-11/03/07	8.5	1.61	1.10	<0.01	1.10	34.4	121.5	87.1	3.5	Strong	N/A	119.6	ACME/CanTest	VAN07002578
Month 11	11/04/07-12/01/07	PENDING												ACME/CanTest	
Month 12	12/02/07-12/29/07	7.8	1.42	0.72	<0.01	0.72	22.5	89.8	67.3	4.0	Strong	N/A	81.0	ACME/CanTest	VAN08003848

- Notes:**
1. Where Sulfate Sulfur is below detection it was set to zero for the purposes of calculating the AP.
 2. Cells highlighted in yellow are results from samples where no Sulfate Sulfur analyses were performed. In these cases, the S as Sulfide is equal to the total Sulfur and AP, Net NP and NP/AP are based on total Sulfur, not Sulfur as Sulfide.
 3. The values for S as Sulfide, AP, Net NP and NP/AP were calculated by SRK Consulting and are within +/- 0.2 units of those shown on the ACME lab reports.

Geochemical Monitoring of
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Schematics of ABA Results



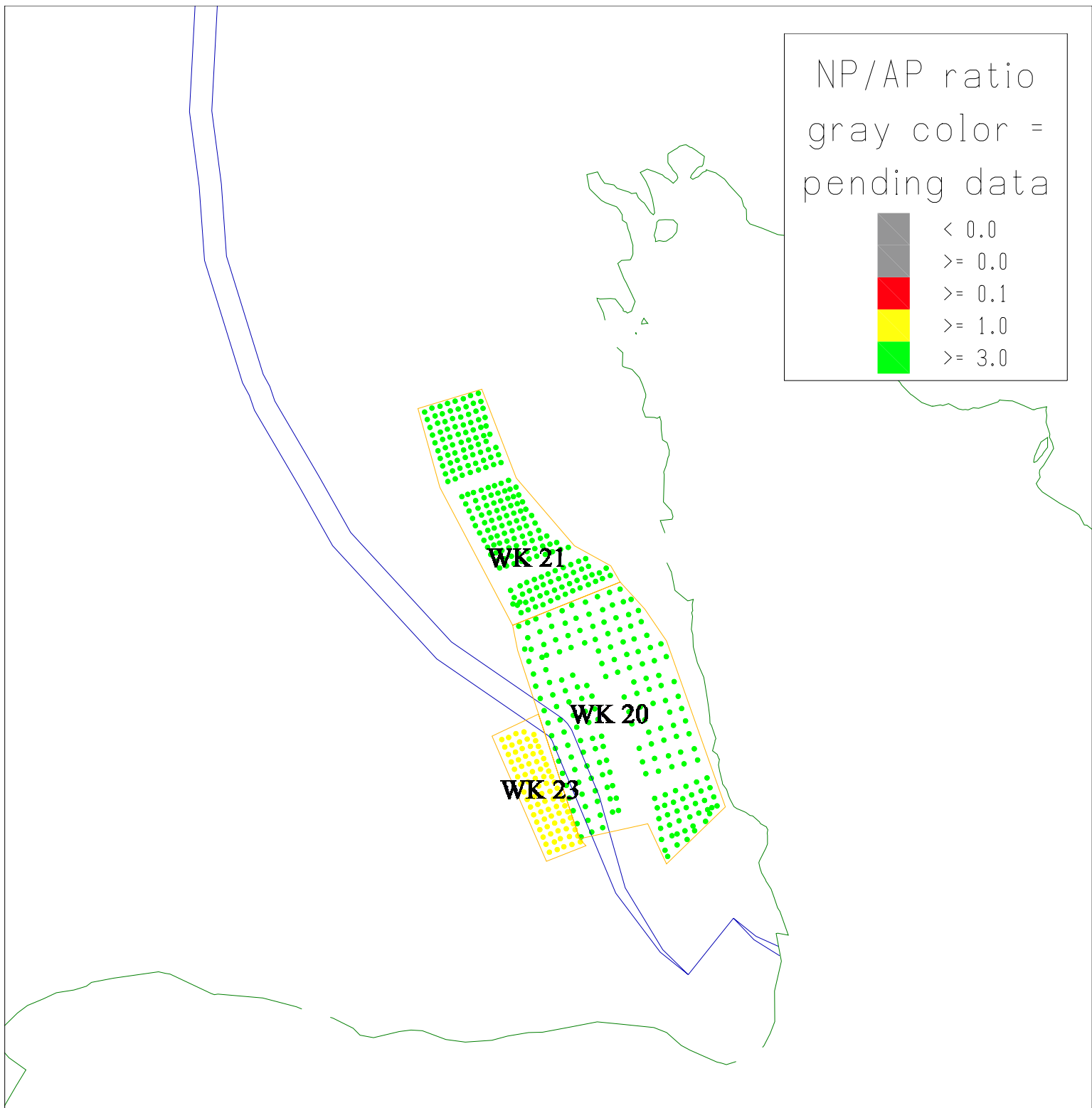
**Rock Creek
NP/AP Reference Map
May 19, 2008**



Extent of mined area analyzed for NP/AP.



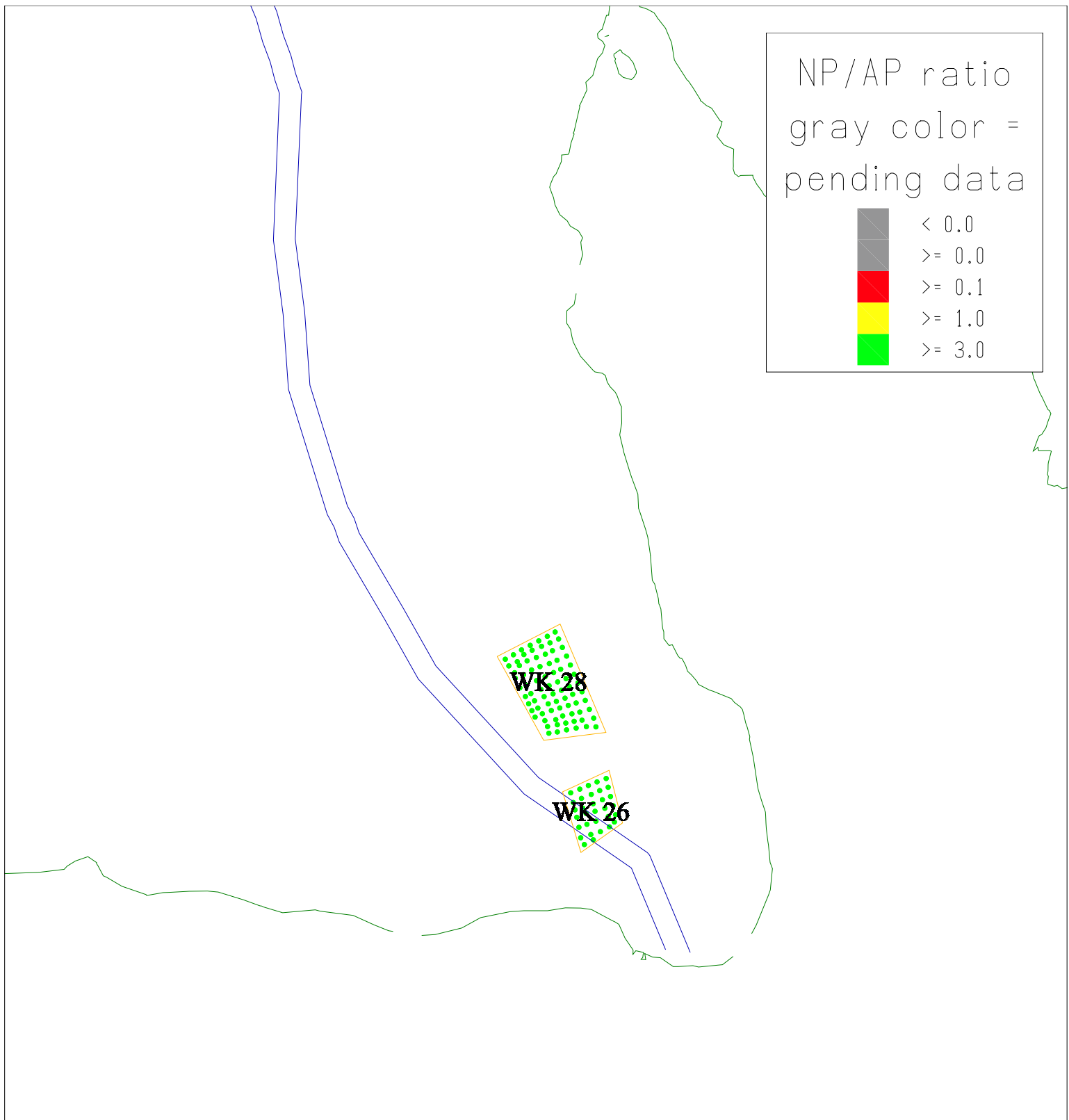
1500 feet



NP/AP ratio
 gray color =
 pending data

	< 0.0
	>= 0.0
	>= 0.1
	>= 1.0

PROJECT:	Rock Creek NP/AP Results
DATE:	2008/05/19
SCALE:	X = 1mm : 2000mm
	Y = 1mm : 2000mm
Bench (meters)	Plan 75.00
Composite Outlines	Blue = 2008
	Orange = 2007

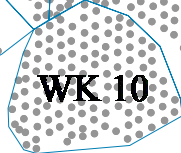
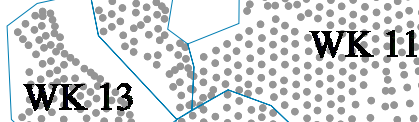
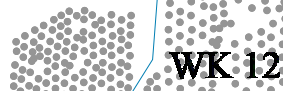
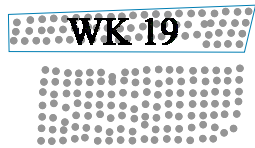
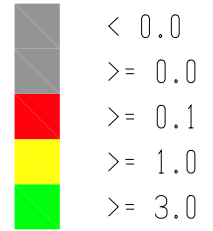


NP/AP ratio
 gray color =
 pending data

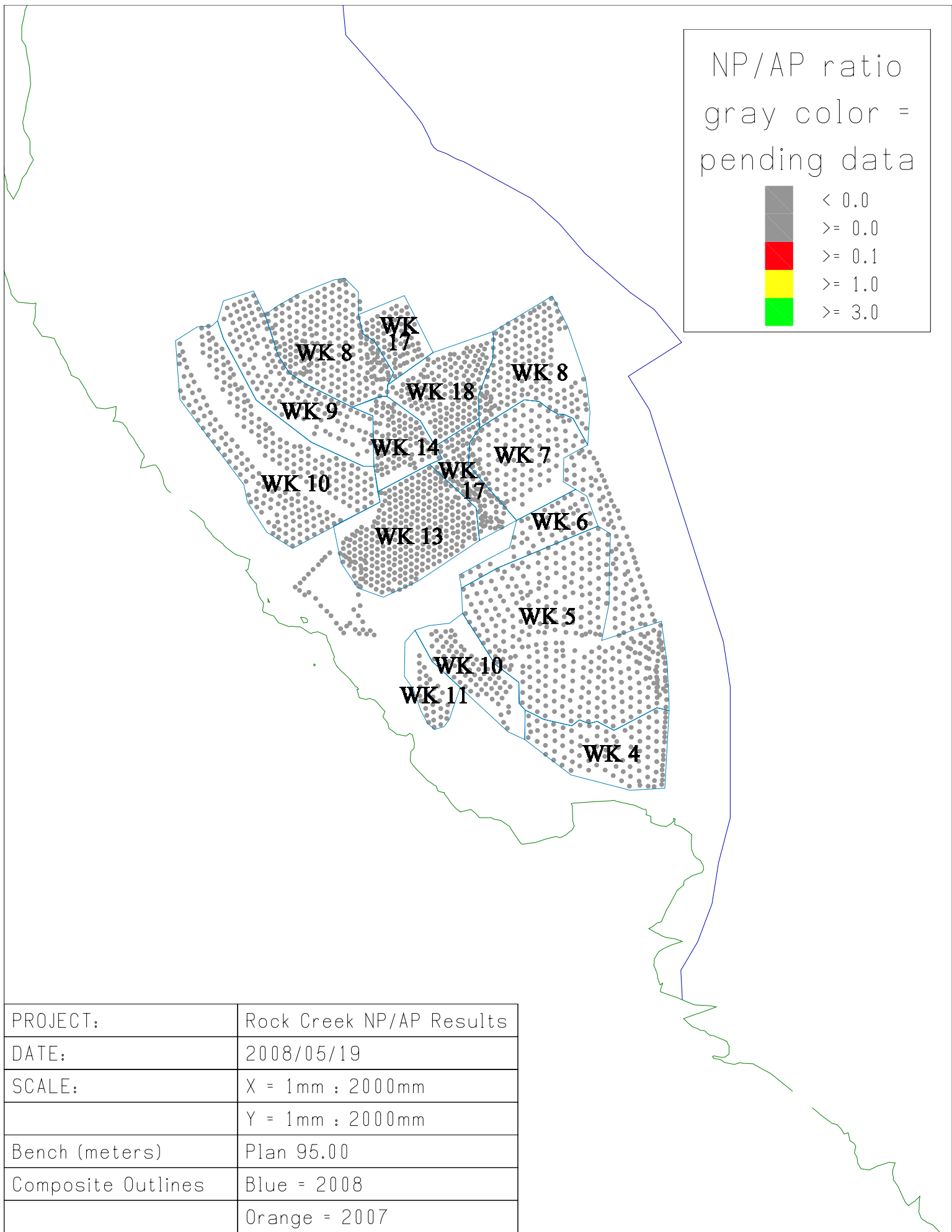
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	>= 1.0
	>= 3.0

PROJECT:	Rock Creek NP/AP Results
DATE:	2008/05/19
SCALE:	X = 1mm : 2000mm
	Y = 1mm : 2000mm
Bench (meters)	Plan 80.00
Composite Outlines	Blue = 2008
	Orange = 2007

NP/AP ratio
 gray color =
 pending data

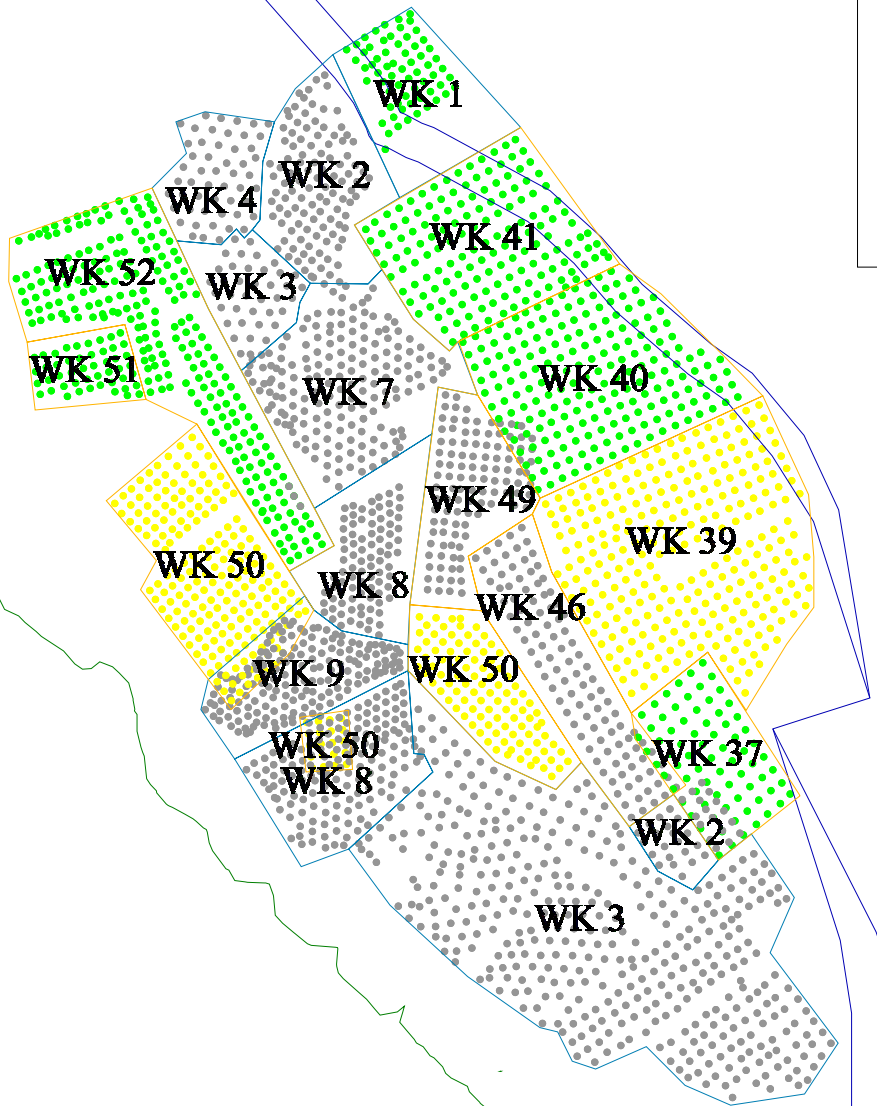
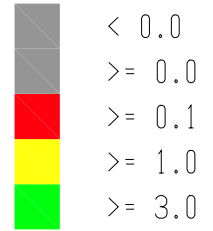


PROJECT:	Rock Creek NP/AP Results
DATE:	2008/05/19
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	Y = 1mm : 2000mm
Bench (meters)	Plan 90.00
Composite Outlines	Blue = 2008
	Orange = 2007

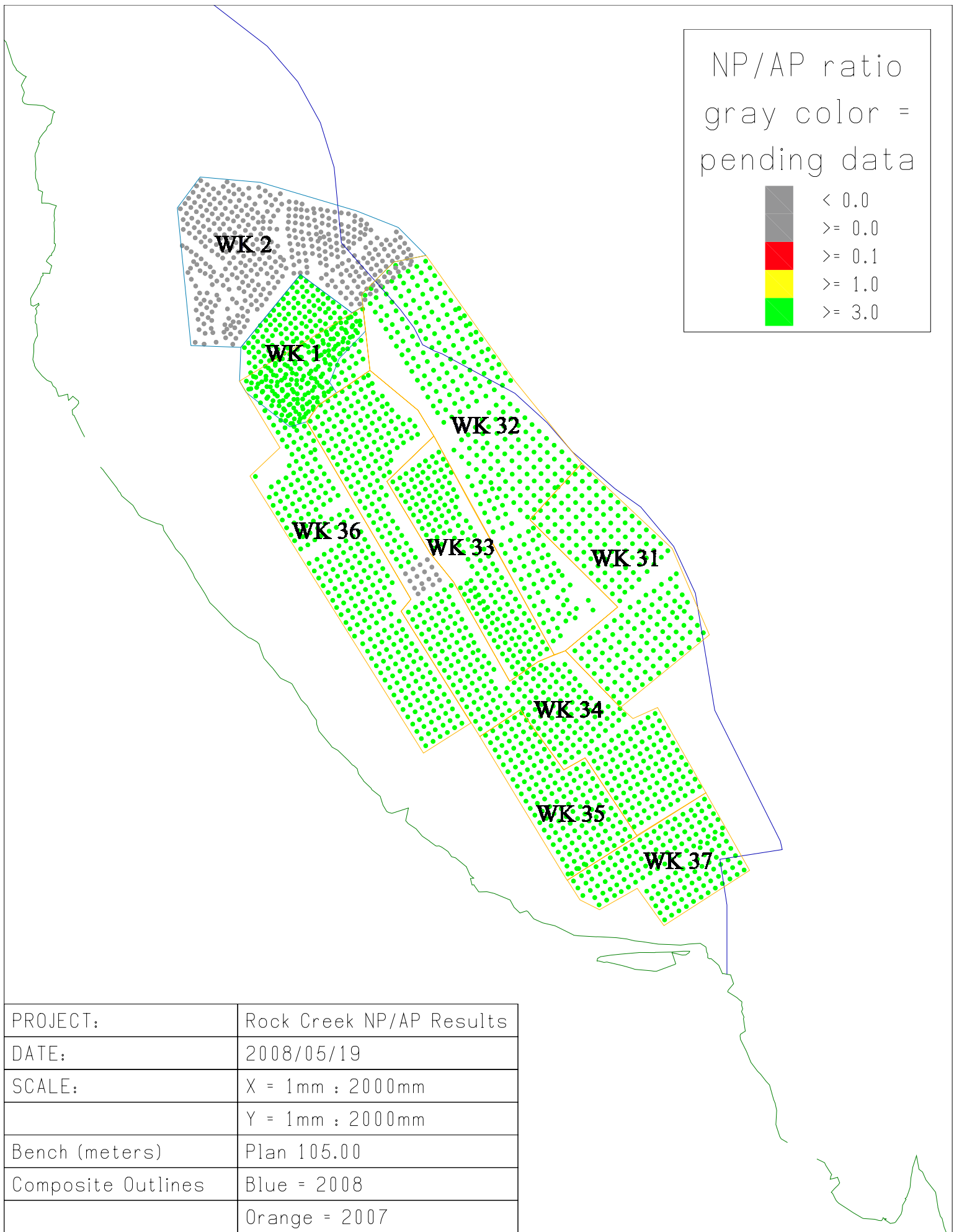


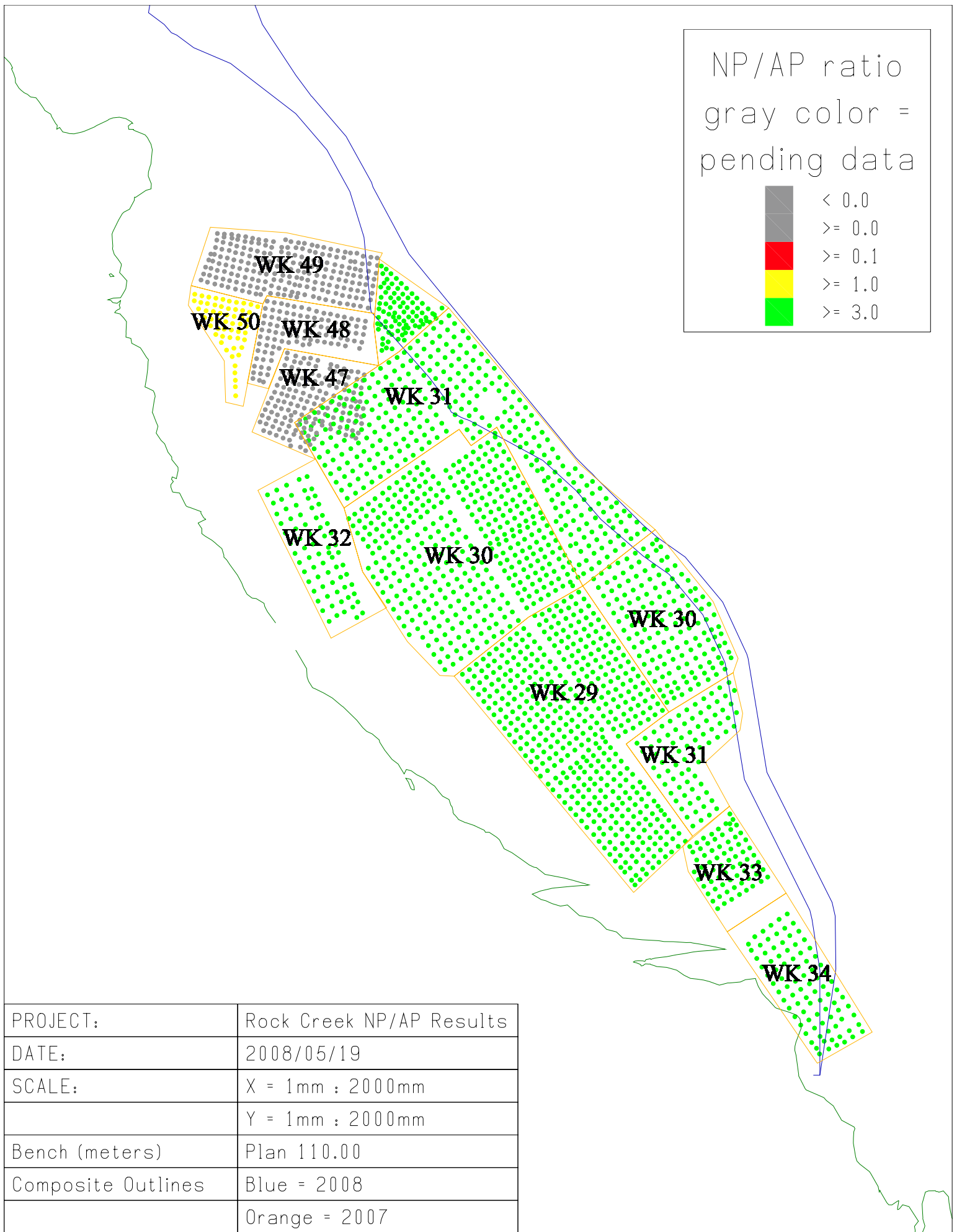
PROJECT:	Rock Creek NP/AP Results
DATE:	2008/05/19
SCALE:	X = 1mm : 2000mm
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Composite Outlines	Blue = 2008
	Orange = 2007

NP/AP ratio
 gray color =
 pending data

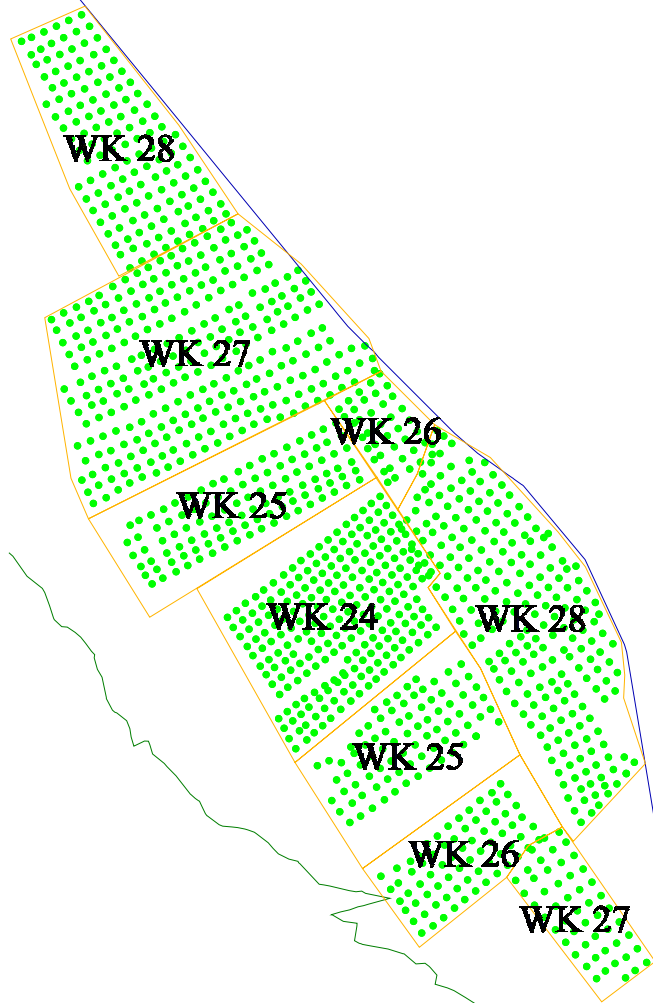
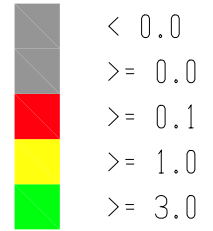


PROJECT:	Rock Creek NP/AP Results
DATE:	2008/05/19
SCALE:	X = 1mm : 2000mm
	Y = 1mm : 2000mm
Bench (meters)	Plan 100.00
Composite Outlines	Blue = 2008
	Orange = 2007

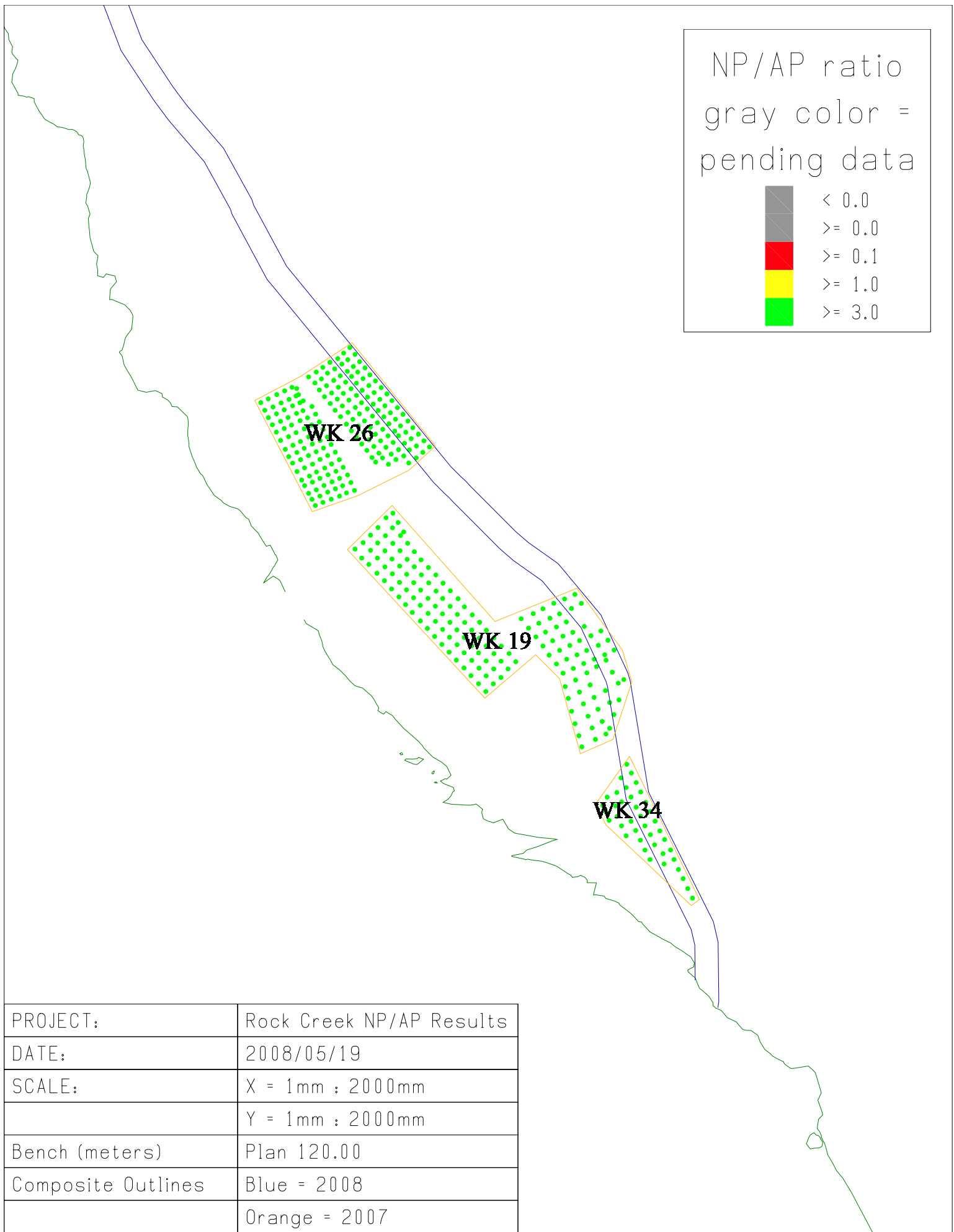




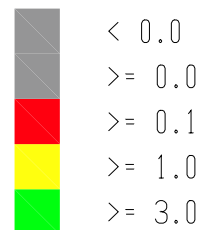
NP/AP ratio
 gray color =
 pending data



PROJECT:	Rock Creek NP/AP Results
DATE:	2008/05/19
SCALE:	X = 1mm : 2000mm
	Y = 1mm : 2000mm
Bench (meters)	Plan 115.00
Composite Outlines	Blue = 2008
	Orange = 2007



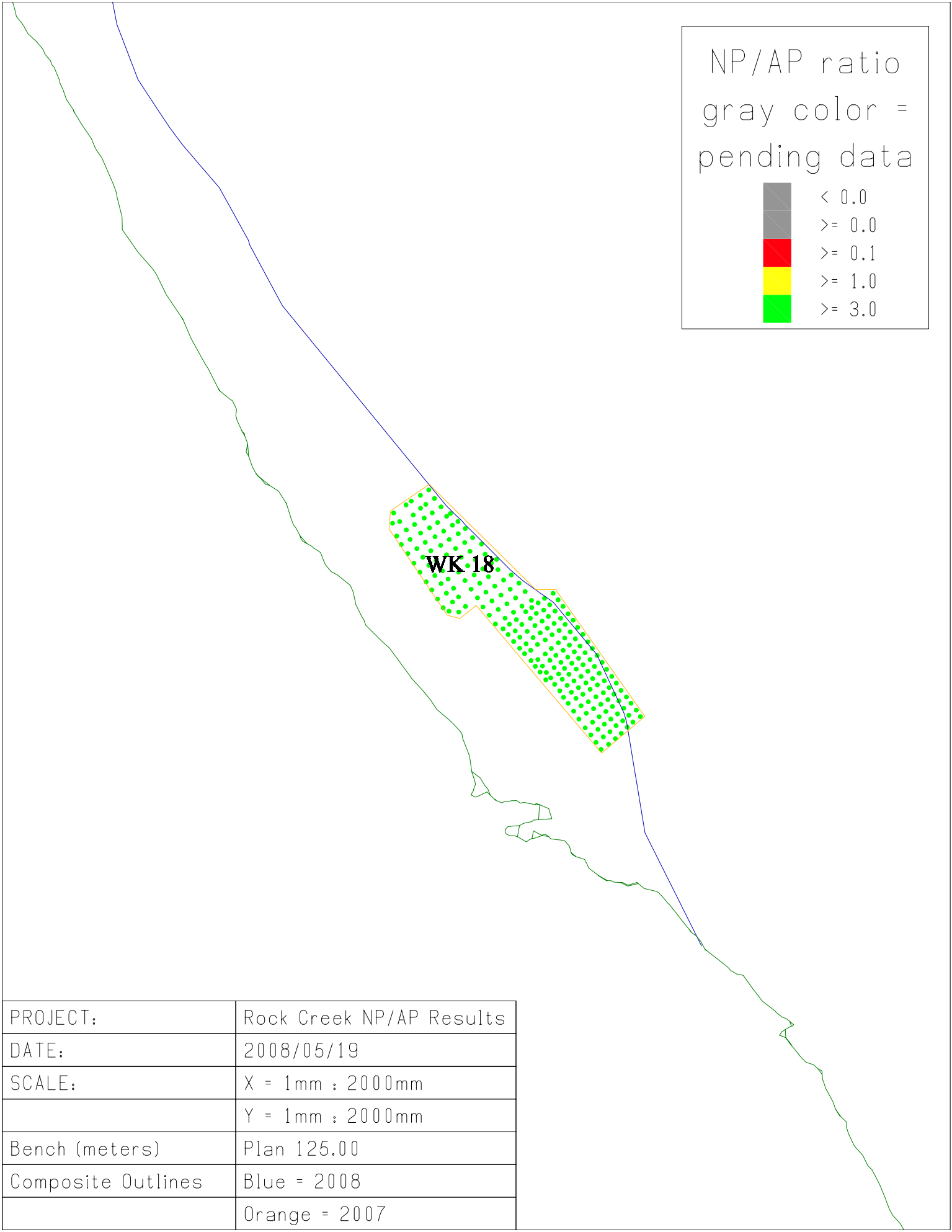
NP/AP ratio
gray color =
pending data



WK 26

WK 19

WK 34



Geochemical Monitoring of
Development Rock and Ore
at Rock Creek

ICP Analyses

**GEOCHEMICAL MONITORING OF DEVELOPMENT ROCK AT ROCK CREEK
ICP ANALYSES**

Analyte Unit	Date Range	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm
WEEK 18 COMPOSITE	04/29/07-05/05/07	64.37	12.12	7.7	3.6	2.21	0.3	1.87	0.71	0.14	0.06	0.03	744
WEEK 19 COMPOSITE	05/06/07-05/12/07	57.75	14.23	7.52	2.88	5.24	0.35	2.95	0.82	0.14	0.1	0.025	589
WEEK 20 COMPOSITE	05/13/07-05/19/07	56.81	16.36	9.28	2.91	2.71	2.45	2.01	0.91	0.12	0.38	0.039	827
WEEK 21 COMPOSITE	05/20/07-05/26/07	56.07	17.01	10.28	3.8	1.17	1.34	2.55	0.95	0.12	0.64	0.036	888
MONTH 5 COMPOSITE	04/29/07-05/26/07	59.22	14.72	9.14	3.43	2.54	1.18	2.21	0.84	0.13	0.33	0.032	900
WEEK 23 COMPOSITE	06/03/07-06/09/07	59.34	15.85	9.74	3.01	0.76	1.42	2.42	0.93	0.14	0.65	0.032	907
WEEK 24 COMPOSITE	06/10/07-06/16/07	59.56	16.11	7.81	3.13	2.44	0.42	3.55	0.87	0.13	0.08	0.029	507
WEEK 25 COMPOSITE	06/17/07-06/23/07	58.84	16.11	7.97	3.27	2.31	0.44	3.48	0.87	0.14	0.09	0.024	503
MONTH 6 COMPOSITE	05/27/07-06/30/07	59.73	16.05	8.23	3.11	2.05	0.63	3.18	0.89	0.13	0.2	0.027	564

NOTES:

Analyses highlighted in yellow are permit-required

Analyses highlighted in grey are additional analyses conducted

**GEOCHEMICAL MONITORING OF DEVELOPMENT ROCK AT ROCK CREEK
ICP ANALYSES**

Analyte Unit	Date Range	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	SUM %	CO2 %
WEEK 18 COMPOSITE	04/29/07-05/05/07	82	65	142	25	14	14	6.8	100.04	0.82
WEEK 19 COMPOSITE	05/06/07-05/12/07	78	136	171	30	17	15	7.9	100.03	4.43
WEEK 20 COMPOSITE	05/13/07-05/19/07	94	138	131	27	18	23	5.9	100.03	2.34
WEEK 21 COMPOSITE	05/20/07-05/26/07	115	99	143	28	19	25	5.9	100.02	1.68
MONTH 5 COMPOSITE	04/29/07-05/26/07	83	107	141	26	16	20	6.1	100.02	1.99
WEEK 23 COMPOSITE	06/03/07-06/09/07	101	102	137	34	13	24	5.6	100.05	1.04
WEEK 24 COMPOSITE	06/10/07-06/16/07	75	121	161	32	18	17	5.8	100.04	2.22
WEEK 25 COMPOSITE	06/17/07-06/23/07	96	119	156	33	19	17	6.4	100.05	1.9
MONTH 6 COMPOSITE	05/27/07-06/30/07	68	115	157	29	17	18	5.6	99.95	1.88

NOTES:

Analyses highlighted in yellow are permit-required

Analyses highlighted in grey are additional analyses conducted

**GEOCHEMICAL MONITORING OF DEVELOPMENT ROCK AT ROCK CREEK
ICP ANALYSES**

Analyte Unit MDL	Date Range	Mo PPM 0.1	Cu PPM 0.1	Pb PPM 0.1	Zn PPM 1	Ag PPM 0.1	Ni PPM 0.1	Co PPM 0.1	Mn PPM 1	Fe % 0.01	As PPM 0.5	U PPM 0.1	Au PPB 0.5
2007													
WEEK 26 COMPOSITE	06/24/07-06/30/07	4.2	33.6	21.2	94	0.2	60.2	18.6	785	3.57	755.5	1.2	53.9
MONTH 7 COMPOSITE	07/01/07-07/28/07	4.7	36.6	22.2	93	0.2	63.7	22.5	636	4.16	1283	1.6	16.3
WEEK 27 COMPOSITE	07/01/07-07/07/07	4.7	34.0	64.5	94	0.7	62.4	20.7	614	3.94	1150	1.5	25.6
WEEK 28 COMPOSITE	07/08/07-07/14/07	5.6	42.6	16.3	103	0.2	63.6	21.0	841	4.15	1084	1.8	6.7
WEEK 29 COMPOSITE	07/15/07-07/21/07	4.7	37.5	17.8	88	0.2	67.0	21.3	573	4.09	855.6	1.6	93.0
WEEK 30 COMPOSITE	07/22/07-07/28/07	3.8	35.2	19.7	83	0.2	57.8	21.6	562	4.18	1562	1.6	26.2
WEEK 31 COMPOSITE	07/29/07-08/4/07	4.3	34.6	16.5	78	0.2	60.8	21.5	550	4.08	1137	1.8	640.3
WEEK 32 COMPOSITE	08/05/07-08/11/07	4.7	41.6	19.7	91	0.1	62.6	22.4	599	4.28	1460	1.7	19.5
WEEK 33 COMPOSITE	08/12/07-08/18/07	3.4	36.3	13.7	82	0.1	56.7	21.0	550	4.23	1083	1.8	10.9
WEEK 34 COMPOSITE	08/19/07-08/25/07	2.5	37.1	28.8	92	0.2	53.8	21.2	646	4.20	1934	1.9	76.7
WEEK 35 COMPOSITE	08/26/07-09/01/07	2.8	31.4	40.1	80	0.4	52.9	19.7	599	4.01	781.4	1.5	10.8
WEEK 36 COMPOSITE	09/02/07-09/08/07	6.1	36.2	44.9	97	0.4	67.8	21.2	612	4.22	2963.6	1.7	95.7
WEEK 37 COMPOSITE	09/09/07-09/15/07	4.4	34.7	15.4	89	0.2	61.6	20.8	608	4.38	936.5	1.6	52.7
WEEK 39 COMPOSITE	09/23/07-09/29/07	4.3	34.9	13.3	81	0.1	62.4	22.4	586	4.28	922.8	1.9	21.6
WEEK 40 COMPOSITE	9/30/07-10/06/07	6.6	35.3	12.1	85	0.1	63.6	20.8	598	4.43	1258.3	1.8	47.8
WEEK 41 COMPOSITE	10/07/07-10/13/07	4.1	31.9	22.9	73	0.2	55.8	20.2	540	4.05	1768	1.6	96.4
MONTH 8 COMPOSITE	07/29/07-09/01/07	3.3	37.3	20.9	90	0.2	58.5	21.7	615	4.18	1603	1.7	33.9
MONTH 9 COMPOSITE	09/02/07-09/29/07	4.6	33.1	19	76	0.2	59.5	19.2	550	3.78	1626.8	1.3	32.4
MONTH 10 COMPOSITE	09/30/07-11/03/07	4.0	33.2	17.2	71	0.3	53.3	19.3	542	3.88	1675.8	1.2	38.5
MONTH 11 COMPOSITE	11/04/07-12/01/07	Results Pending											
MONTH 12 COMPOSITE	12/02/07-12/29/07	4.4	29.6	86.5	135	0.8	54.6	18.5	633	3.99	3991	1.7	253.7
WEEK 50 COMPOSITE	12/09/07-12/15/07	3.7	26.9	151.2	72	1.3	53.5	17.9	572	4.02	4383	1.8	132.6
WEEK 51 COMPOSITE	12/16/07-12/22/07	6.4	34.0	31.2	92	0.3	70.8	19.7	716	3.81	2331	1.3	104.7
WEEK 52 COMPOSITE	12/23/07-12/29/07	4.5	31.6	61.0	186	0.6	51.9	17.0	578	3.80	3943	1.5	468.5
2008													
WEEK 1 COMPOSITE	12/30/07-1/5/2008	9.6	36.4	28.1	185	0.2	73.2	17.5	613	3.49	2142	4.1	5

NOTES:

Analyses highlighted in yellow are permit-required

Analyses highlighted in grey are additional analyses conducted

**GEOCHEMICAL MONITORING OF DEVELOPMENT ROCK AT ROCK CREEK
ICP ANALYSES**

Analyte Unit MDL	Date Range	Th PPM 0.1	Sr PPM 1	Cd PPM 0.1	Sb PPM 0.1	Bi PPM 0.1	V PPM 2	Ca % 0.01	P % 0.001	La PPM 1	Cr PPM 1	Mg % 0.01	Ba PPM 1
2007													
WEEK 26 COMPOSITE	06/24/07-06/30/07	8.1	173	0.7	2.9	0.5	17	4.78	0.050	18	53	1.03	39
MONTH 7 COMPOSITE	07/01/07-07/28/07	9.8	75	0.6	3.6	0.6	19	2.61	0.049	20	55	1.24	34
WEEK 27 COMPOSITE	07/01/07-07/07/07	9.3	118	0.6	3.7	1.3	15	3.81	0.047	20	53	1.09	35
WEEK 28 COMPOSITE	07/08/07-07/14/07	8.5	68	0.9	3.9	0.4	22	2.02	0.051	18	57	1.17	50
WEEK 29 COMPOSITE	07/15/07-07/21/07	10.0	41	0.5	3.5	0.5	16	1.44	0.047	21	57	1.00	34
WEEK 30 COMPOSITE	07/22/07-07/28/07	9.8	75	0.3	4.8	0.5	17	2.78	0.047	21	46	1.31	29
WEEK 31 COMPOSITE	07/29/07-08/4/07	9.8	85	0.3	3.2	0.5	17	3.05	0.050	20	52	1.41	28
WEEK 32 COMPOSITE	08/05/07-08/11/07	10.4	70	0.5	4.7	0.4	19	2.40	0.055	22	53	1.25	34
WEEK 33 COMPOSITE	08/12/07-08/18/07	10.3	76	0.4	2.9	0.3	19	2.30	0.062	19	41	1.27	35
WEEK 34 COMPOSITE	08/19/07-08/25/07	10.4	69	0.5	4.9	0.6	20	1.93	0.066	20	25	1.21	39
WEEK 35 COMPOSITE	08/26/07-09/01/07	11.0	52	0.2	1.9	0.7	19	1.67	0.067	26	41	1.13	39
WEEK 36 COMPOSITE	09/02/07-09/08/07	11.1	42	0.4	8.1	0.8	18	1.2	0.058	25	80	1.01	34
WEEK 37 COMPOSITE	09/09/07-09/15/07	11.2	60	0.2	2	0.4	19	1.87	0.059	24	53	1.25	35
WEEK 39 COMPOSITE	09/23/07-09/29/07	11	73	0.3	1.9	0.4	19	2.59	0.054	22	61	1.42	34
WEEK 40 COMPOSITE	9/30/07-10/06/07	10.2	77	0.3	2	0.3	21	2.61	0.049	22	73	1.38	38
WEEK 41 COMPOSITE	10/07/07-10/13/07	9.9	81	0.2	6	0.7	17	3.02	0.052	18	52	1.45	25
MONTH 8 COMPOSITE	07/29/07-09/01/07	10.0	70	0.6	4.0	0.4	20	2.08	0.062	21	38	1.22	37
MONTH 9 COMPOSITE	09/02/07-09/29/07	8	46	0.3	4.2	0.4	16	1.75	0.053	20	57	1.04	30
MONTH 10 COMPOSITE	09/30/07-11/03/07	7.9	65	0.3	4.7	0.5	16	2.95	0.049	17	46	1.29	27
MONTH 11 COMPOSITE	11/04/07-12/01/07												
MONTH 12 COMPOSITE	12/02/07-12/29/07	9.2	72	1.0	14.7	1.7	16	2.37	0.052	17	55	1.12	32
WEEK 50 COMPOSITE	12/09/07-12/15/07	10.5	29	0.3	12.7	3.0	15	0.68	0.053	22	50	0.98	34
WEEK 51 COMPOSITE	12/16/07-12/22/07	8.6	35	0.4	17.2	0.6	16	1.09	0.046	16	73	0.53	33
WEEK 52 COMPOSITE	12/23/07-12/29/07	8.3	115	1.8	16.6	1.2	14	3.75	0.051	14	46	1.20	28
2008													
WEEK 1 COMPOSITE	12/30/07-1/5/2008	6.6	74	2.5	9.2	0.6	22	2.55	0.044	12	57	1.24	54

NOTES:

Analyses highlighted in yellow are permit-required

Analyses highlighted in grey are additional analyses conducted

**GEOCHEMICAL MONITORING OF DEVELOPMENT ROCK AT ROCK CREEK
ICP ANALYSES**

Analyte Unit MDL	Date Range	Ti % 0.001	B PPM 20	Al % 0.01	Na % 0.001	K % 0.01	W PPM 0.1	Hg PPM 0.01	Sc PPM 0.1	Tl PPM 0.1	S % 0.05	Ga PPM 1	Se PPM 0.5
2007													
WEEK 26 COMPOSITE	06/24/07-06/30/07	0.002	<20	1.36	0.005	0.11	0.8	<0.01	2.0	<0.1	0.27	3	0.8
MONTH 7 COMPOSITE	07/01/07-07/28/07	0.002	<20	1.40	0.007	0.13	1.6	<0.01	2.5	<0.1	0.67	3	0.8
WEEK 27 COMPOSITE	07/01/07-07/07/07	0.002	<20	1.26	0.005	0.12	7	<0.01	2.4	<0.1	0.35	3	0.7
WEEK 28 COMPOSITE	07/08/07-07/14/07	0.002	<20	1.36	0.006	0.12	0.8	0.01	2.6	<0.1	0.6	3	1.0
WEEK 29 COMPOSITE	07/15/07-07/21/07	0.002	<20	1.27	0.006	0.13	1.2	<0.01	2.3	<0.1	0.4	3	0.7
WEEK 30 COMPOSITE	07/22/07-07/28/07	0.002	<20	1.39	0.007	0.13	2.4	<0.01	2.4	<0.1	0.79	3	0.7
WEEK 31 COMPOSITE	07/29/07-08/4/07	0.002	<20	1.44	0.006	0.13	1	<0.01	2.4	<0.1	0.94	4	0.6
WEEK 32 COMPOSITE	08/05/07-08/11/07	0.002	<20	1.60	0.008	0.15	2.4	<0.01	2.4	<0.1	0.87	4	1.3
WEEK 33 COMPOSITE	08/12/07-08/18/07	0.002	<20	1.48	0.008	0.14	2.4	<0.01	2.5	<0.1	0.9	4	1.2
WEEK 34 COMPOSITE	08/19/07-08/25/07	0.002	<20	1.55	0.01	0.16	2.8	<0.01	2.5	<0.1	0.71	4	1.1
WEEK 35 COMPOSITE	08/26/07-09/01/07	0.002	<20	1.64	0.012	0.16	0.9	<0.01	2.3	<0.1	0.31	4	0.7
WEEK 36 COMPOSITE	09/02/07-09/08/07	0.002	<20	1.3	0.009	0.13	5.5	<0.01	2.6	<0.1	0.42	4	0.6
WEEK 37 COMPOSITE	09/09/07-09/15/07	0.002	<20	1.42	0.011	0.14	0.5	<0.01	2.6	<0.1	0.69	4	0.5
WEEK 39 COMPOSITE	09/23/07-09/29/07	0.002	<20	1.57	0.01	0.14	3.1	<0.01	2.3	<0.1	1.02	4	0.8
WEEK 40 COMPOSITE	9/30/07-10/06/07	0.002	<20	1.65	0.013	0.16	1.7	<0.01	2.6	<0.1	1.05	4	1.2
WEEK 41 COMPOSITE	10/07/07-10/13/07	0.002	<20	1.33	0.007	0.12	0.5	<0.01	2.5	<0.1	1.06	3	1.3
MONTH 8 COMPOSITE	07/29/07-09/01/07	0.002	<20	1.54	0.01	0.15	2	<0.01	2.4	<0.1	0.78	4	1.2
MONTH 9 COMPOSITE	09/02/07-09/29/07	0.002	<20	1.26	0.008	0.12	2.9	<0.01	2.4	<0.1	0.67	3	0.9
MONTH 10 COMPOSITE	09/30/07-11/03/07	0.001	<20	1.34	0.007	0.13	0.7	<0.01	2.2	<0.1	1.02	3	1.3
MONTH 11 COMPOSITE	11/04/07-12/01/07												
MONTH 12 COMPOSITE	12/02/07-12/29/07	0.001	<20	1.02	0.006	0.13	3.1	<0.01	2.3	<0.1	0.72	3	1.0
WEEK 50 COMPOSITE	12/09/07-12/15/07	0.002	<20	1.28	0.006	0.14	3.5	<0.01	2.2	<0.1	0.33	3	1.0
WEEK 51 COMPOSITE	12/16/07-12/22/07	<0.001	<20	0.49	0.005	0.12	1.6	<0.01	2.8	<0.1	0.42	2	0.8
WEEK 52 COMPOSITE	12/23/07-12/29/07	<0.001	<20	0.86	0.004	0.11	3.1	<0.01	2.2	<0.1	1.06	2	1.4
2008													
WEEK 1 COMPOSITE	12/30/07-1/5/2008	0.001	<20	0.99	0.005	0.1	29	<0.01	1.8	<0.1	1.15	2	1.8

NOTES:

Analyses highlighted in yellow are permit-required

Analyses highlighted in grey are additional analyses conducted

Geochemical Monitoring of
Development Rock and Ore
at Rock Creek

Lab Certificates



ACME ANALYTICAL LABORATORIES LTD.

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Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Submitted By:

Dave Francisco

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

January 25, 2008

Report Date:

February 25, 2008

Page:

1 of 2

CERTIFICATE OF ANALYSIS

VAN08003848.2

CLIENT JOB INFORMATION

Project: 26053
Shipment ID:
P.O. Number
Number of Samples: 1

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp 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: Alaska Assay Labs
1921 Sanduri Ave
Fairbanks AK 99701
USA

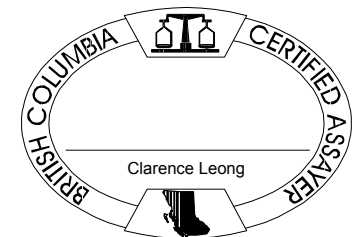
CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
1DX	1	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
ABA	1	Sobek Acid Base Accounting - CANTEST		Completed
ABA	1	Siderite Corrected Acid Base Accounting - CANTEST		Completed

ADDITIONAL COMMENTS

Version 2: Revised data on SO4 S



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.



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1921 Sanduri Ave
Fairbanks AK 99701 USA

Project: 26053

Report Date: February 25, 2008

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

VAN08003848.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
MONTH 12	Rock Pulp	4.4	29.6	86.5	135	0.8	54.6	18.5	633	3.99	3991	1.7	253.7	9.2	72	1.0	14.7	1.7	16	2.37	0.052



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Fairbanks AK 99701 USA

Project: 26053

Report Date: February 25, 2008

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN08003848.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	C/TOT	S/TOT	aste	pH	SO4 S
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%			%
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.02	0.02	0.1	0.01	
MONTH 12	Rock Pulp	17	55	1.12	32	0.001	<20	1.02	0.006	0.13	3.1	<0.01	<0.1	0.72	2.3	1.0	3	1.42	0.72	7.8	<0.01



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Project: 26053

Report Date: February 25, 2008

Page: 2 of 2 Part 3

CERTIFICATE OF ANALYSIS

VAN08003848.2

Method	ABA	ABA	ABA	ABA	ABA erite NP	
Analyte	S2- S	zbek NP	MPA NET NP	Fizz Sid. NP		
Unit	%	:aCO3/T	:aCO3/T	:aCO3/T	:aCO3/T	
MDL	0.01	0.1	0.1	0.1	0	0.1
MONTH 12	Rock Pulp	0.71	89.8	22.3	67.5	strong 81.0

QUALITY CONTROL REPORT

VAN08003848.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Reference Materials																					
STD CSC	Standard																				
STD DS7	Standard	19.1	97.7	68.7	377	0.7	53.3	8.6	573	2.22	49.4	4.8	48.8	4.2	67	6.3	4.7	4.5	83	0.92	0.077
STD DS7	Standard	19.6	96.4	69.6	382	0.7	54.9	8.6	580	2.31	48.2	4.8	56.5	4.3	67	6.3	4.9	4.6	83	0.90	0.072
STD OREAS76A	Standard																				
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
STD CSC Expected																					
STD OREAS76A Expected																					
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																				

QUALITY CONTROL REPORT

VAN08003848.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	C/TOT	S/TOT
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.02	0.02
Reference Materials																		
STD CSC	Standard																3.17	4.21
STD DS7	Standard	11	170	0.99	354	0.109	38	0.96	0.091	0.42	3.3	0.19	4.0	0.19	2.0	3.3	4	
STD DS7	Standard	12	172	1.02	365	0.110	38	0.98	0.087	0.44	3.4	0.20	4.1	0.19	2.2	3.5	4	
STD OREAS76A	Standard																0.16	17.83
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	4.19	0.21	2.5	3.5	4.6	
STD CSC Expected																	3.13	4.19
STD OREAS76A Expected																	0.16	18
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	
BLK	Blank																<0.02	<0.02



ACME ANALYTICAL LABORATORIES LTD.
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Client: Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Submitted By: Dave Francisco

Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.

Received: January 25, 2008

Report Date: February 25, 2008

Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN08003847.2

CLIENT JOB INFORMATION

Project: 26052
Shipment ID:
P.O. Number
Number of Samples: 5

SAMPLE DISPOSAL

DISP-PLP Dispose of Pulp 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: Alaska Assay Labs
1921 Sanduri Ave
Fairbanks AK 99701
USA

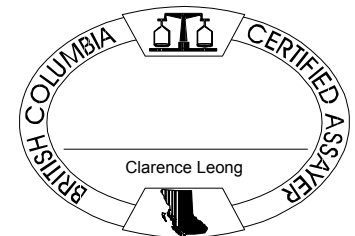
CC:

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
1DX	5	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
ABA	5	Sobek Acid Base Accounting - CANTEST		Completed

ADDITIONAL COMMENTS

Version 2: Revised data on SO4 S



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.



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Project: 26052

Report Date: February 25, 2008

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN08003847.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
WEEK 26	Rock Pulp	4.2	33.6	21.2	94	0.2	60.2	18.6	785	3.57	755.5	1.2	53.9	8.1	173	0.7	2.9	0.5	17	4.78	0.050
WEEK 50	Rock Pulp	3.7	26.9	151.2	72	1.3	53.5	17.9	572	4.02	4383	1.8	132.6	10.5	29	0.3	12.7	3.0	15	0.68	0.053
WEEK 51	Rock Pulp	6.4	34.0	31.2	92	0.3	70.8	19.7	716	3.81	2331	1.3	104.7	8.6	35	0.4	17.2	0.6	16	1.09	0.046
WEEK 52	Rock Pulp	4.5	31.6	61.0	186	0.6	51.9	17.0	578	3.80	3943	1.5	468.5	8.3	115	1.8	16.6	1.2	14	3.75	0.051
WEEK 1	Rock Pulp	9.6	36.4	28.1	185	0.2	73.2	17.5	613	3.49	2142	4.1	5.0	6.6	74	2.5	9.2	0.6	22	2.55	0.044



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Project: 26052

Report Date: February 25, 2008

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN08003847.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	C/TOT	S/TOT	aste pH	SO4 S	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%		%	
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.02	0.02	0.1	0.01	
WEEK 26	Rock Pulp	18	53	1.03	39	0.002	<20	1.36	0.005	0.11	0.8	<0.01	<0.1	0.27	2.0	0.8	3	2.13	0.30	8.1	<0.01
WEEK 50	Rock Pulp	22	50	0.98	34	0.002	<20	1.28	0.006	0.14	3.5	<0.01	<0.1	0.33	2.2	1.0	3	0.61	0.34	7.5	<0.01
WEEK 51	Rock Pulp	16	73	0.53	33	<0.001	<20	0.49	0.005	0.12	1.6	<0.01	<0.1	0.42	2.8	0.8	2	0.84	0.41	7.8	<0.01
WEEK 52	Rock Pulp	14	46	1.20	28	<0.001	<20	0.86	0.004	0.11	3.1	<0.01	<0.1	1.06	2.2	1.4	2	2.10	1.11	8.1	<0.01
WEEK 1	Rock Pulp	12	57	1.24	54	0.001	<20	0.99	0.005	0.10	29.0	<0.01	<0.1	1.15	1.8	1.8	2	2.12	1.20	8.2	<0.01



ACME ANALYTICAL LABORATORIES LTD.

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Client:

Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Project:

26052

Report Date:

February 25, 2008

Page:

2 of 2

Part 3

CERTIFICATE OF ANALYSIS

VAN08003847.2

Method	ABA	ABA	ABA	ABA	ABA
Analyte	S2- S	zbek NP	MPA NET NP	NET NP	Fizz
Unit	%	:aCO3/T	:aCO3/T	:aCO3/T	
MDL	0.01	0.1	0.1	0.1	0
WEEK 26	Rock Pulp	0.30	162.7	9.3	153.4 strong
WEEK 50	Rock Pulp	0.33	30.0	10.4	19.7 slight
WEEK 51	Rock Pulp	0.41	41.5	12.7	28.8 modera
WEEK 52	Rock Pulp	1.11	155.2	34.6	120.6 strong
WEEK 1	Rock Pulp	1.20	115.6	37.4	78.2 strong

QUALITY CONTROL REPORT

VAN08003847.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Reference Materials																					
STD CSC	Standard																				
STD DS7	Standard	19.1	97.7	68.7	377	0.7	53.3	8.6	573	2.22	49.4	4.8	48.8	4.2	67	6.3	4.7	4.5	83	0.92	0.077
STD DS7	Standard	19.6	96.4	69.6	382	0.7	54.9	8.6	580	2.31	48.2	4.8	56.5	4.3	67	6.3	4.9	4.6	83	0.90	0.072
STD OREAS76A	Standard																				
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
STD CSC Expected																					
STD OREAS76A Expected																					
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																				

QUALITY CONTROL REPORT

VAN08003847.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Tl	S	Sc	Se	Ga	C/TOT	S/TOT
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	%	ppm	ppm	ppm	%	%
MDL	1	1	0.01	1	0.001	20	0.01	0.001	0.01	0.1	0.01	0.1	0.05	0.1	0.5	1	0.02	0.02
Reference Materials																		
STD CSC	Standard																3.17	4.21
STD DS7	Standard	11	170	0.99	354	0.109	38	0.96	0.091	0.42	3.3	0.19	4.0	0.19	2.0	3.3	4	
STD DS7	Standard	12	172	1.02	365	0.110	38	0.98	0.087	0.44	3.4	0.20	4.1	0.19	2.2	3.5	4	
STD OREAS76A	Standard																0.16	17.83
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	4.19	0.21	2.5	3.5	4.6	
STD CSC Expected																	3.13	4.19
STD OREAS76A Expected																	0.16	18
BLK	Blank	<1	<1	<0.01	<1	<0.001	<20	<0.01	<0.001	<0.01	<0.1	<0.01	<0.1	<0.05	<0.1	<0.5	<1	
BLK	Blank																<0.02	<0.02



ACME ANALYTICAL LABORATORIES LTD.
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Client: Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Submitted By: Dave Francisco

Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.

Received: November 29, 2007

Report Date: April 16, 2008

Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN07002578.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number 25922
Number of Samples: 2

SAMPLE DISPOSAL

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

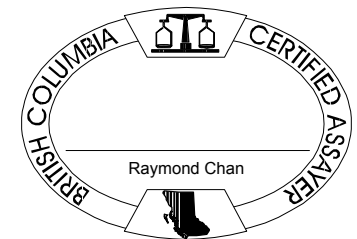
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
1DX	2	1:1:1 Aqua Regia digestion ICP-MS analysis	0.5	Completed
ABA	2	Sobek Acid Base Accounting - CANTEST		Completed
Siderite NP	2	Siderite Corrected Acid Base Accounting - CANTEST		Completed

ADDITIONAL COMMENTS

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: Alaska Assay Labs
1921 Sanduri Ave
Fairbanks AK 99701
USA

CC:



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.



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Client: Alaska Assay Labs

1921 Sanduri Ave
 Fairbanks AK 99701 USA

Project: None Given

Report Date: April 16, 2008

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

VAN07002578.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
MONTH 9	Rock Pulp	4.6	33.1	19.0	76	0.2	59.5	19.2	550	3.78	1627	1.3	32.4	8.0	46	0.3	4.2	0.4	16	1.75	0.053
MONTH 10	Rock Pulp	4.0	33.2	17.2	71	0.3	53.3	19.3	542	3.88	1676	1.2	38.5	7.9	65	0.3	4.7	0.5	16	2.95	0.049



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1921 Sanduri Ave
Fairbanks AK 99701 USA

Project:

None Given

Report Date:

April 16, 2008

Page:

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Part 2

CERTIFICATE OF ANALYSIS

VAN07002578.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste	pH	SO4 S
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%			%
MDL	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	0.02	0.02	0.1	0.01	
MONTH 9	Rock Pulp	20	57	1.04	30	0.002	<20	1.26	0.008	0.12	2.9	<0.01	2.4	<0.1	0.67	3	0.9	1.04	0.66	8.3	<0.01
MONTH 10	Rock Pulp	17	46	1.29	27	0.001	<20	1.34	0.007	0.13	0.7	<0.01	2.2	<0.1	1.02	3	1.3	1.61	1.10	8.5	<0.01



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Fairbanks AK 99701 USA

Project: None Given

Report Date: April 16, 2008

Page: 2 of 2 Part 3

CERTIFICATE OF ANALYSIS

VAN07002578.1

Method	ABA	ABA	ABA	ABA	ABA	ABA	NP
Analyte	S2- S	zbek NP	MPA NET NP	Fizz	NP:AP	Sid. NP	
Unit	%	:aCO3/T	:aCO3/T	:aCO3/T			:aCO3/T
MDL	0.01	0.1	0.1	0.1	0	0.1	0.1
MONTH 9	Rock Pulp	0.66	83.1	20.7	62.5	strong	4.0 83.8
MONTH 10	Rock Pulp	1.10	121.5	34.3	87.2	strong	3.5 119.6

Client: Alaska Assay Labs

1921 Sanduri Ave
 Fairbanks AK 99701 USA

Project: None Given

Report Date: April 16, 2008

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Page: 1 of 1 **Part** 1

QUALITY CONTROL REPORT

VAN07002578.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Reference Materials																					
STD CSC	Standard																				
STD DS7	Standard	22.2	103.3	58.8	419	0.9	59.3	9.7	628	2.42	48.6	4.0	55.0	3.5	62	6.3	4.3	3.8	88	0.96	0.074
STD DS7	Standard	20.8	109.1	56.4	397	0.9	60.2	9.4	607	2.35	48.8	3.7	114.8	3.4	57	5.9	3.9	3.5	88	0.93	0.076
STD OREAS76A	Standard																				
STD CSC Expected																					
STD OREAS76A Expected																					
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
BLK	Blank																				
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

QUALITY CONTROL REPORT

VAN07002578.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%	
MDL	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	0.02	0.02	
Reference Materials																			
STD CSC	Standard																	3.25	4.31
STD DS7	Standard	12	176	1.06	392	0.110	42	1.01	0.088	0.45	3.9	0.21	2.4	4.5	0.20	5	3.9		
STD DS7	Standard	11	176	1.04	366	0.100	43	0.97	0.080	0.44	3.5	0.21	2.3	4.2	0.20	5	3.6		
STD OREAS76A	Standard																	0.16	17.91
STD CSC Expected																	3.13	4.19	
STD OREAS76A Expected																	0.16	18	
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5		
BLK	Blank																	<0.02	<0.02
BLK	Blank	<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		



ACME ANALYTICAL LABORATORIES LTD.

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Client:

Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Submitted By:

Dave Francisco

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

November 29, 2007

Report Date:

April 16, 2008

Page:

1 of 2

CERTIFICATE OF ANALYSIS

VAN07002577.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number 25921
Number of Samples: 5

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
1DX	5	1:1:1 Aqua regia digestion ICP-MS analysis	0.5	Completed
ABA	5	Sobek Acid Base Accounting - CANTEST		Completed

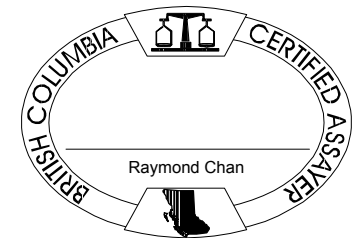
SAMPLE DISPOSAL

ADDITIONAL COMMENTS

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: Alaska Assay Labs
1921 Sanduri Ave
Fairbanks AK 99701
USA

CC:



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.



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1921 Sanduri Ave
Fairbanks AK 99701 USA

Project: None Given

Report Date: April 16, 2008

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN07002577.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
WEEK 36	Rock Pulp	6.1	36.2	44.9	97	0.4	67.8	21.2	612	4.22	2964	1.7	95.7	11.1	42	0.4	8.1	0.8	18	1.20	0.058
WEEK 37	Rock Pulp	4.4	34.7	15.4	89	0.2	61.6	20.8	608	4.38	936.5	1.6	52.7	11.2	60	0.2	2.0	0.4	19	1.87	0.059
WEEK 39	Rock Pulp	4.3	34.9	13.3	81	0.1	62.4	22.4	586	4.28	922.8	1.9	21.6	11.0	73	0.3	1.9	0.4	19	2.59	0.054
WEEK 40	Rock Pulp	6.6	35.3	12.1	85	0.1	63.6	20.8	598	4.43	1258	1.8	47.8	10.2	77	0.3	2.0	0.3	21	2.61	0.049
WEEK 41	Rock Pulp	4.1	31.9	22.9	73	0.2	55.8	20.2	540	4.05	1768	1.6	96.4	9.9	81	0.2	6.0	0.7	17	3.02	0.052



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Client: Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Project: None Given

Report Date: April 16, 2008

Page: 2 of 2 **Part** 2

CERTIFICATE OF ANALYSIS

VAN07002577.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste pH	SO4 S	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%		%	
MDL	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	0.02	0.02	0.1	0.01	
WEEK 36	Rock Pulp	25	80	1.01	34	0.002	<20	1.30	0.009	0.13	5.5	<0.01	2.6	<0.1	0.42	4	0.6	0.68	0.39	7.9	<0.01
WEEK 37	Rock Pulp	24	53	1.25	35	0.002	<20	1.42	0.011	0.14	0.5	<0.01	2.6	<0.1	0.69	4	0.5	1.09	0.64	8.2	<0.01
WEEK 39	Rock Pulp	22	61	1.42	34	0.002	<20	1.57	0.010	0.14	3.1	<0.01	2.3	<0.1	1.02	4	0.8	1.30	0.95	8.5	<0.01
WEEK 40	Rock Pulp	22	73	1.38	38	0.002	<20	1.65	0.013	0.16	1.7	<0.01	2.6	<0.1	1.05	4	1.2	1.44	1.05	8.5	0.01
WEEK 41	Rock Pulp	18	52	1.45	25	0.002	<20	1.33	0.007	0.12	0.5	<0.01	2.5	<0.1	1.06	3	1.3	1.70	1.06	8.5	<0.01



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Client: **Alaska Assay Labs**

1921 Sanduri Ave
 Fairbanks AK 99701 USA

Project: None Given

Report Date: April 16, 2008

Page: 2 of 2 Part 3

CERTIFICATE OF ANALYSIS

VAN07002577.1

Method	ABA	ABA	ABA	ABA	ABA	ABA	
Analyte	S2- S	zbek NP	MPA NET NP	MPA NET NP	Fizz	NP:AP	
Unit	%	%	%	%			
MDL	0.01	0.1	0.1	0.1	0	0.1	
WEEK 36	Rock Pulp	0.39	42.8	12.0	30.8	modera	3.6
WEEK 37	Rock Pulp	0.64	88.2	20.1	68.1	strong	4.4
WEEK 39	Rock Pulp	0.95	86.9	29.6	57.3	modera	2.9
WEEK 40	Rock Pulp	1.04	122.2	32.6	89.6	strong	3.7
WEEK 41	Rock Pulp	1.06	132.2	33.1	99.1	strong	4.0

QUALITY CONTROL REPORT

VAN07002577.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Reference Materials																					
STD CSC	Standard																				
STD DS7	Standard	20.6	107.1	71.7	425	0.9	59.3	9.5	654	2.45	48.9	5.2	60.6	4.7	76	6.8	4.9	4.9	92	0.98	0.080
STD DS7	Standard	20.0	103.1	63.7	433	0.8	58.0	9.2	625	2.40	56.7	5.0	54.1	3.9	75	6.7	4.9	4.9	87	0.93	0.083
STD OREAS76A	Standard																				
STD CSC Expected																					
STD OREAS76A Expected																					
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08
BLK	Blank																				
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

QUALITY CONTROL REPORT

VAN07002577.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%
MDL	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	0.02	0.02
Reference Materials																		
STD CSC	Standard																3.25	4.31
STD DS7	Standard	13	197	1.12	422	0.131	36	1.05	0.089	0.48	3.5	0.20	2.4	4.7	0.21	5	4.0	
STD DS7	Standard	12	185	1.04	395	0.118	44	1.02	0.086	0.47	3.2	0.21	2.3	4.4	0.21	5	3.6	
STD OREAS76A	Standard																0.16	17.91
STD CSC Expected																	3.13	4.19
STD OREAS76A Expected																	0.16	18
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5	
BLK	Blank																<0.02	<0.02
BLK	Blank	<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	



ACME ANALYTICAL LABORATORIES LTD.

852 E. Hastings St. Vancouver BC V6A 1R6 Canada

Phone (604) 253-3158 Fax (604) 253-1716

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Client:

Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Submitted By:

Dave Francisco

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

October 26, 2007

Report Date:

January 02, 2008

Page:

1 of 2

CERTIFICATE OF ANALYSIS

VAN07001875.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number 25774
Number of Samples: 1

SAMPLE DISPOSAL

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

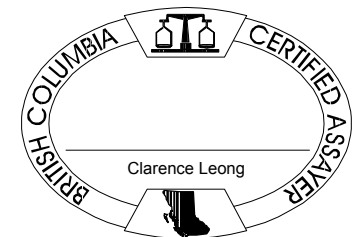
Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
1DX	1	G1DX-MS-Rock	0.5	Completed
ABA	1	Sobek Acid Base Accounting - CANTEST		Completed
ABA	1	Siderite Corrected Acid Base Accounting - CANTEST		Completed

ADDITIONAL COMMENTS

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: Alaska Assay Labs
1921 Sanduri Ave
Fairbanks AK 99701
USA

CC:



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.



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Client: Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 **Part** 1

CERTIFICATE OF ANALYSIS

VAN07001875.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
MONTH 8	Rock Pulp	3.3	37.3	20.9	90	0.2	58.5	21.7	615	4.18	1603	1.7	33.9	10.0	70	0.6	4.0	0.4	20	2.08	0.062



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Client: **Alaska Assay Labs**

1921 Sanduri Ave
 Fairbanks AK 99701 USA

Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN07001875.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste	pH	SO4 S
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%			%
MDL	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	0.02	0.02	0.1	0.01	
MONTH 8	Rock Pulp	21	38	1.22	37	0.002	<20	1.54	0.010	0.15	2.0	<0.01	2.4	<0.1	0.78	4	1.2	1.07	0.73	8.1	0.01



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Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 Part 3

CERTIFICATE OF ANALYSIS

VAN07001875.1

Method	ABA	ABA	ABA	ABA	ABA erite NP	
Analyte	S2- S	zbek NP	MPA NET NP	Fizz	Sid.	NP
Unit	%	:aCO3/T	:aCO3/T	:aCO3/T	:aCO3/T	
MDL	0.01	0.1	0.1	0.1	0	0.1
MONTH 8	Rock Pulp	0.72	75.6	22.5	53.1	strong 74.3

QUALITY CONTROL REPORT

VAN07001875.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																						
MONTH 8	Rock Pulp	3.3	37.3	20.9	90	0.2	58.5	21.7	615	4.18	1603	1.7	33.9	10.0	70	0.6	4.0	0.4	20	2.08	0.062	
REP MONTH 8	QC																					
KZK-1 MOD/STRONG	QC																					
Reference Materials																						
STD CSC	Standard																					
STD CSC	Standard																					
STD DS7	Standard	20.8	106.9	68.5	405	0.8	57.1	9.6	640	2.40	49.6	4.6	59.7	4.1	75	7.1	5.1	4.5	84	0.94	0.084	
STD DS7	Standard	19.9	111.5	69.2	418	0.8	56.5	10.0	634	2.44	51.3	4.6	64.2	4.4	74	6.8	5.1	4.6	84	0.96	0.087	
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08	
STD CSC Expected																						
KZK-1 MOD/STRONG																						
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																					

Client: Alaska Assay Labs

1921 Sanduri Ave
 Fairbanks AK 99701 USA

Project: None Given

Report Date: January 02, 2008

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Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN07001875.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA		
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste pH	SO4 S		
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%		%		
MDL	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	0.02	0.02	0.1	0.01		
Pulp Duplicates																						
MONTH 8	Rock Pulp	21	38	1.22	37	0.002	<20	1.54	0.010	0.15	2.0	<0.01	2.4	<0.1	0.78	4	1.2	1.07	0.73	8.1	0.01	
REP MONTH 8	QC																				8.1	
KZK-1 MOD/STRONG	QC																					
Reference Materials																						
STD CSC	Standard																	3.09	4.30			
STD CSC	Standard																	3.13	4.25			
STD DS7	Standard	12	193	1.05	391	0.119	40	1.02	0.097	0.47	3.4	0.19	2.4	4.2	0.21	5	3.9					
STD DS7	Standard	12	187	1.07	399	0.118	41	1.03	0.095	0.48	3.3	0.21	2.3	4.3	0.21	5	3.9					
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5					
STD CSC Expected																		3.13	4.19			
KZK-1 MOD/STRONG																						
BLK	Blank	<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					
BLK	Blank																	<0.02	<0.02			

QUALITY CONTROL REPORT

VAN07001875.1

Method		ABA	ABA	ABA	ABA	ABA	erite NP
Analyte		S2- S	obek NP	MPA	NET NP	Fizz	Sid. NP
Unit		%	%	%	%	%	%
MDL		0.01	0.1	0.1	0.1	0	0.1
Pulp Duplicates							
MONTH 8	Rock Pulp	0.72	75.6	22.5	53.1	strong	74.3
REP MONTH 8	QC						
KZK-1 MOD/STRONG	QC		71.3				
Reference Materials							
STD CSC	Standard						
STD CSC	Standard						
STD DS7	Standard						
STD DS7	Standard						
STD DS7 Expected							
STD CSC Expected							
KZK-1 MOD/STRONG			64.8				
BLK	Blank						
BLK	Blank						



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Client:

Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Submitted By:

Dave Francisco

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

October 26, 2007

Report Date:

January 02, 2008

Page:

1 of 2

CERTIFICATE OF ANALYSIS

VAN07001874.1

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number 25773
Number of Samples: 4

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
1DX	4	G1DX-MS-Rock	0.5	Completed
ABA	4	Sobek Acid Base Accounting - CANTEST		Completed

SAMPLE DISPOSAL

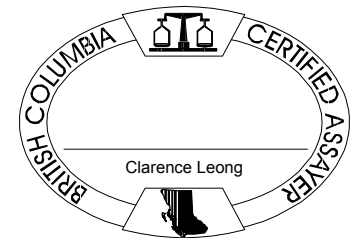
DISP-PLP Dispose of Pulp After 90 days

ADDITIONAL COMMENTS

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: Alaska Assay Labs
1921 Sanduri Ave
Fairbanks AK 99701
USA

CC:



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.



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Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN07001874.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
WEEK 32	Rock Pulp	4.7	41.6	19.7	91	0.1	62.6	22.4	599	4.28	1460	1.7	19.5	10.4	70	0.5	4.7	0.4	19	2.40	0.055
WEEK 33	Rock Pulp	3.4	36.3	13.7	82	0.1	56.7	21.0	550	4.23	1083	1.8	10.9	10.3	76	0.4	2.9	0.3	19	2.30	0.062
WEEK 34	Rock Pulp	2.5	37.1	28.8	92	0.2	53.8	21.2	646	4.20	1934	1.9	76.7	10.4	69	0.5	4.9	0.6	20	1.93	0.066
WEEK 35	Rock Pulp	2.8	31.4	40.1	80	0.4	52.9	19.7	599	4.01	781.4	1.5	10.8	11.0	52	0.2	1.9	0.7	19	1.67	0.067



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Client: **Alaska Assay Labs**

1921 Sanduri Ave
 Fairbanks AK 99701 USA

Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN07001874.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste pH	SO4 S	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%		%	
MDL	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	0.02	0.02	0.1	0.01	
WEEK 32	Rock Pulp	22	53	1.25	34	0.002	<20	1.60	0.008	0.15	2.4	<0.01	2.4	<0.1	0.87	4	1.3	1.14	0.83	8.2	0.01
WEEK 33	Rock Pulp	19	41	1.27	35	0.002	<20	1.48	0.008	0.14	2.4	<0.01	2.5	<0.1	0.90	4	1.2	1.20	0.93	8.2	0.01
WEEK 34	Rock Pulp	20	25	1.21	39	0.002	<20	1.55	0.010	0.16	2.8	<0.01	2.5	<0.1	0.71	4	1.1	0.96	0.69	8.2	0.01
WEEK 35	Rock Pulp	26	41	1.13	39	0.002	<20	1.64	0.012	0.16	0.9	<0.01	2.3	<0.1	0.31	4	0.7	0.79	0.32	8.3	0.01



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Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 Part 3

CERTIFICATE OF ANALYSIS

VAN07001874.1

Method	ABA	ABA	ABA	ABA	ABA
Analyte	S2- S	zbek NP	MPA NET NP	MPA NET NP	Fizz
Unit	%	:aCO3/T	:aCO3/T	:aCO3/T	
MDL	0.01	0.1	0.1	0.1	0
WEEK 32	Rock Pulp	0.82	93.1	25.8	67.3 strong
WEEK 33	Rock Pulp	0.92	85.6	28.8	56.8 strong
WEEK 34	Rock Pulp	0.68	64.4	21.3	43.1 strong
WEEK 35	Rock Pulp	0.31	61.3	9.8	51.5 strong

QUALITY CONTROL REPORT

VAN07001874.1

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																						
WEEK 35	Rock Pulp	2.8	31.4	40.1	80	0.4	52.9	19.7	599	4.01	781.4	1.5	10.8	11.0	52	0.2	1.9	0.7	19	1.67	0.067	
REP WEEK 35	QC																					
Reference Materials																						
STD CSC	Standard																					
STD CSC	Standard																					
STD DS7	Standard	20.8	106.9	68.5	405	0.8	57.1	9.6	640	2.40	49.6	4.6	59.7	4.1	75	7.1	5.1	4.5	84	0.94	0.084	
STD DS7	Standard	19.9	111.5	69.2	418	0.8	56.5	10.0	634	2.44	51.3	4.6	64.2	4.4	74	6.8	5.1	4.6	84	0.96	0.087	
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08	
STD CSC Expected																						
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																					

QUALITY CONTROL REPORT

VAN07001874.1

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste	pH	SO4 S
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%			%
MDL	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	0.02	0.02	0.1	0.01	
Pulp Duplicates																					
WEEK 35	Rock Pulp	26	41	1.13	39	0.002	<20	1.64	0.012	0.16	0.9	<0.01	2.3	<0.1	0.31	4	0.7	0.79	0.32	8.3	0.01
REP WEEK 35	QC																			8.3	0.01
Reference Materials																					
STD CSC	Standard																3.09	4.30			
STD CSC	Standard																3.13	4.25			
STD DS7	Standard	12	193	1.05	391	0.119	40	1.02	0.097	0.47	3.4	0.19	2.4	4.2	0.21	5	3.9				
STD DS7	Standard	12	187	1.07	399	0.118	41	1.03	0.095	0.48	3.3	0.21	2.3	4.3	0.21	5	3.9				
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5				
STD CSC Expected																	3.13	4.19			
BLK	Blank	<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				
BLK	Blank																<0.02	<0.02			

QUALITY CONTROL REPORT

VAN07001874.1

Method	ABA	ABA	ABA	ABA	ABA
Analyte	S2- S	obek NP	MPA NET NP	MPA NET NP	Fizz
Unit	%	%	%	%	%
MDL	0.01	0.1	0.1	0.1	0
Pulp Duplicates					
WEEK 35	Rock Pulp	0.31	61.3	9.8	51.5 strong
REP WEEK 35	QC	61.3			
Reference Materials					
STD CSC	Standard				
STD CSC	Standard				
STD DS7	Standard				
STD DS7	Standard				
STD DS7 Expected					
STD CSC Expected					
BLK	Blank				
BLK	Blank				



ACME ANALYTICAL LABORATORIES LTD.
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Phone (604) 253-3158 Fax (604) 253-1716

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Client: Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Submitted By: Dave Francisco

Receiving Lab: Acme Analytical Laboratories (Vancouver) Ltd.

Received: August 31, 2007

Report Date: January 02, 2008

Page: 1 of 2

CERTIFICATE OF ANALYSIS

VAN07000623.2

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number 25566
Number of Samples: 1

SAMPLE DISPOSAL

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
1DX	1	G1DX-MS-Rock	0.5	Completed
ABA	1	Sobek Acid Base Accounting - CANTEST		Completed
ABA	1	Siderite Corrected Acid Base Accounting - CANTEST		Completed

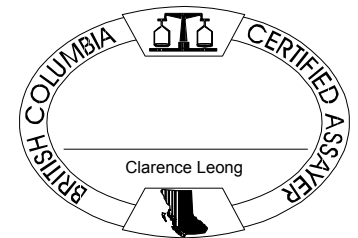
ADDITIONAL COMMENTS

Ver 2. Includes ABA results from Cantest

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: Alaska Assay Labs
1921 Sanduri Ave
Fairbanks AK 99701
USA

CC:



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.



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 Fairbanks AK 99701 USA

Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN07000623.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	
Analyte	Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit	ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL	0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
MONTH 7 COMP	Rock Pulp	4.7	36.6	22.2	93	0.2	63.7	22.5	636	4.16	1283	1.6	16.3	9.8	75	0.6	3.6	0.6	19	2.61	0.049



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Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Project:

None Given

Report Date:

January 02, 2008

Page:

2 of 2

Part 2

CERTIFICATE OF ANALYSIS

VAN07000623.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste	pH	SO4 S
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%			%
MDL	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	0.02	0.02	0.1	0.01	
MONTH 7 COMP	Rock Pulp	20	55	1.24	34	0.002	<20	1.40	0.007	0.13	1.6	<0.01	2.5	<0.1	0.67	3	0.8	1.37	0.54	8.0	0.01



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Client: Alaska Assay Labs

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Fairbanks AK 99701 USA

Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 Part 3

CERTIFICATE OF ANALYSIS

VAN07000623.2

Method	ABA	ABA	ABA	ABA	ABA erite NP		
Analyte	S2- S	zbek NP	MPA NET NP	Fizz Sid. NP			
Unit	%	:aCO3/T	:aCO3/T	:aCO3/T	:aCO3/T		
MDL	0.01	0.1	0.1	0.1	0	0.1	
MONTH 7 COMP	Rock Pulp	0.53	91.3	16.5	74.8	strong	89.7

QUALITY CONTROL REPORT

VAN07000623.2

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																						
MONTH 7 COMP	Rock Pulp	4.7	36.6	22.2	93	0.2	63.7	22.5	636	4.16	1283	1.6	16.3	9.8	75	0.6	3.6	0.6	19	2.61	0.049	
REP MONTH 7 COMP	QC																					
Reference Materials																						
STD CSC	Standard																					
STD CSC	Standard																					
STD DS7	Standard	20.9	107.6	67.7	395	0.9	57.4	9.6	589	2.35	50.0	4.8	65.9	4.2	68	6.3	4.8	4.7	78	0.90	0.076	
STD DS7	Standard	20.6	106.6	67.0	402	0.9	59.7	9.9	615	2.42	51.3	5.0	53.1	4.5	73	6.6	4.9	4.6	81	0.93	0.079	
STD CSC Expected																						
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08	
BLK	Blank																					
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	

QUALITY CONTROL REPORT

VAN07000623.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste	pH	SO4 S
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%			%
MDL	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	0.02	0.02	0.1	0.01	
Pulp Duplicates																					
MONTH 7 COMP	Rock Pulp	20	55	1.24	34	0.002	<20	1.40	0.007	0.13	1.6	<0.01	2.5	<0.1	0.67	3	0.8	1.37	0.54	8.0	0.01
REP MONTH 7 COMP	QC																				8.0
Reference Materials																					
STD CSC	Standard																	3.18	4.18		
STD CSC	Standard																	3.10	4.18		
STD DS7	Standard	11	198	1.03	388	0.115	35	0.96	0.089	0.44	3.5	0.21	2.4	4.1	0.19	4	3.5				
STD DS7	Standard	12	204	1.06	382	0.123	38	1.01	0.095	0.47	3.7	0.21	2.6	4.2	0.19	4	3.5				
STD CSC Expected																		3.13	4.19		
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5				
BLK	Blank																	<0.02	<0.02		
BLK	Blank	<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				

QUALITY CONTROL REPORT

VAN07000623.2

Method	ABA	ABA	ABA	ABA	ABA	erite NP
Analyte	S2- S	obek NP	MPA	NET NP	Fizz	Sid. NP
Unit	%	%	%	%	%	%
MDL	0.01	0.1	0.1	0.1	0	0.1
Pulp Duplicates						
MONTH 7 COMP	Rock Pulp	0.53	91.3	16.5	74.8	strong 89.7
REP MONTH 7 COMP	QC					
Reference Materials						
STD CSC	Standard					
STD CSC	Standard					
STD DS7	Standard					
STD DS7	Standard					
STD CSC Expected						
STD DS7 Expected						
BLK	Blank					
BLK	Blank					



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Client:

Alaska Assay Labs

1921 Sanduri Ave
Fairbanks AK 99701 USA

Submitted By:

Dave Francisco

Receiving Lab:

Acme Analytical Laboratories (Vancouver) Ltd.

Received:

August 31, 2007

Report Date:

January 02, 2008

Page:

1 of 2

CERTIFICATE OF ANALYSIS

VAN07000621.2

CLIENT JOB INFORMATION

Project: None Given
Shipment ID:
P.O. Number 25571
Number of Samples: 5

SAMPLE DISPOSAL

SAMPLE PREPARATION AND ANALYTICAL PROCEDURES

Method Code	Number of Samples	Code Description	Test Wgt (g)	Report Status
1DX	5	G1DX-MS-Rock	0.5	Completed
ABA	5	Sobek Acid Base Accounting - CANTEST		Completed

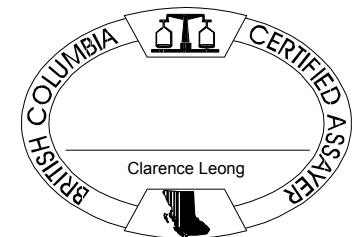
ADDITIONAL COMMENTS

Ver 2. Includes ABA results from Cantest

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: Alaska Assay Labs
1921 Sanduri Ave
Fairbanks AK 99701
USA

CC:



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.



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Client: **Alaska Assay Labs**

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Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 Part 1

CERTIFICATE OF ANALYSIS

VAN07000621.2

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001
WEEK 27 COMP	Rock Pulp	4.7	34.0	64.5	94	0.7	62.4	20.7	614	3.94	1150	1.5	25.6	9.3	118	0.6	3.7	1.3	15	3.81	0.047
WEEK 28 COMP	Rock Pulp	5.6	42.6	16.3	103	0.2	63.6	21.0	841	4.15	1084	1.8	6.7	8.5	68	0.9	3.9	0.4	22	2.02	0.051
WEEK 29 COMP	Rock Pulp	4.7	37.5	17.8	88	0.2	67.0	21.3	573	4.09	855.6	1.6	93.0	10.0	41	0.5	3.5	0.5	16	1.44	0.047
WEEK 30 COMP	Rock Pulp	3.8	35.2	19.7	83	0.2	57.8	21.6	562	4.18	1562	1.6	26.2	9.8	75	0.3	4.8	0.5	17	2.78	0.047
WEEK 31 COMP	Rock Pulp	4.3	34.6	16.5	78	0.2	60.8	21.5	550	4.08	1137	1.8	640.3	9.8	85	0.3	3.2	0.5	17	3.05	0.050



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Client: **Alaska Assay Labs**

1921 Sanduri Ave
 Fairbanks AK 99701 USA

Project: None Given

Report Date: January 02, 2008

Page: 2 of 2 Part 2

CERTIFICATE OF ANALYSIS

VAN07000621.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste pH	SO4 S	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%		%	
MDL	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	0.02	0.02	0.1	0.01	
WEEK 27 COMP	Rock Pulp	20	53	1.09	35	0.002	<20	1.26	0.005	0.12	7.0	<0.01	2.4	<0.1	0.35	3	0.7	1.69	0.45	7.9	0.01
WEEK 28 COMP	Rock Pulp	18	57	1.17	50	0.002	<20	1.36	0.006	0.12	0.8	0.01	2.6	<0.1	0.60	3	1.0	1.33	0.70	8.0	0.02
WEEK 29 COMP	Rock Pulp	21	57	1.00	34	0.002	<20	1.27	0.006	0.13	1.2	<0.01	2.3	<0.1	0.40	3	0.7	0.82	0.47	7.9	0.02
WEEK 30 COMP	Rock Pulp	21	46	1.31	29	0.002	<20	1.39	0.007	0.13	2.4	<0.01	2.4	<0.1	0.79	3	0.7	1.32	0.85	8.0	0.01
WEEK 31 COMP	Rock Pulp	20	52	1.41	28	0.002	<20	1.44	0.006	0.13	1.0	<0.01	2.4	<0.1	0.94	4	0.6	1.48	0.82	8.1	0.01



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1921 Sanduri Ave
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Project:

None Given

Report Date:

January 02, 2008

Page:

2 of 2

Part 3

CERTIFICATE OF ANALYSIS

VAN07000621.2

Method	ABA	ABA	ABA	ABA	ABA
Analyte	S2- S	obek NP	MPA NET NP		Fizz
Unit	%	:aCO3/T	:aCO3/T	:aCO3/T	
MDL	0.01	0.1	0.1	0.1	0
WEEK 27 COMP	Rock Pulp	0.44	120.6	13.7	106.9 strong
WEEK 28 COMP	Rock Pulp	0.68	82.5	21.1	61.4 strong
WEEK 29 COMP	Rock Pulp	0.45	50.6	14.1	36.5 Modera
WEEK 30 COMP	Rock Pulp	0.84	96.3	26.2	70.1 strong
WEEK 31 COMP	Rock Pulp	0.81	110.0	25.2	84.8 strong

Client: Alaska Assay Labs

1921 Sanduri Ave
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Project: None Given

Report Date: January 02, 2008

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Page: 1 of 1 **Part** 1

QUALITY CONTROL REPORT

VAN07000621.2

Method		1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX		
Analyte		Mo	Cu	Pb	Zn	Ag	Ni	Co	Mn	Fe	As	U	Au	Th	Sr	Cd	Sb	Bi	V	Ca	P	
Unit		ppm	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	ppm	ppm	ppb	ppm	ppm	ppm	ppm	ppm	ppm	%	%	
MDL		0.1	0.1	0.1	1	0.1	0.1	0.1	1	0.01	0.5	0.1	0.5	0.1	1	0.1	0.1	0.1	2	0.01	0.001	
Pulp Duplicates																						
WEEK 30 COMP	Rock Pulp	3.8	35.2	19.7	83	0.2	57.8	21.6	562	4.18	1562	1.6	26.2	9.8	75	0.3	4.8	0.5	17	2.78	0.047	
REP WEEK 30 COMP	QC																					
Reference Materials																						
STD CSC	Standard																					
STD CSC	Standard																					
STD CSC	Standard																					
STD CSC	Standard																					
STD DS7	Standard	20.9	107.6	67.7	395	0.9	57.4	9.6	589	2.35	50.0	4.8	65.9	4.2	68	6.3	4.8	4.7	78	0.90	0.076	
STD DS7	Standard	20.6	106.6	67.0	402	0.9	59.7	9.9	615	2.42	51.3	5.0	53.1	4.5	73	6.6	4.9	4.6	81	0.93	0.079	
STD CSC Expected																						
STD DS7 Expected		20.92	109	70.6	411	0.89	56	9.7	627	2.39	48.2	4.9	70	4.4	68.7	6.38	5.86	4.51	86	0.93	0.08	
BLK	Blank																					
BLK	Blank																					
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	

Client: Alaska Assay Labs

1921 Sanduri Ave
 Fairbanks AK 99701 USA

Project: None Given

Report Date: January 02, 2008

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Page: 1 of 1 Part 2

QUALITY CONTROL REPORT

VAN07000621.2

Method	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	1DX	2A C/S	2A C/S	ABA	ABA	
Analyte	La	Cr	Mg	Ba	Ti	B	Al	Na	K	W	Hg	Sc	Tl	S	Ga	Se	C/TOT	S/TOT	aste pH	SO4 S	
Unit	ppm	ppm	%	ppm	%	ppm	%	%	%	ppm	ppm	ppm	ppm	%	ppm	ppm	%	%		%	
MDL	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	0.02	0.02	0.1	0.01	
Pulp Duplicates																					
WEEK 30 COMP	Rock Pulp	21	46	1.31	29	0.002	<20	1.39	0.007	0.13	2.4	<0.01	2.4	<0.1	0.79	3	0.7	1.32	0.85	8.0	0.01
REP WEEK 30 COMP	QC																			8.1	0.01
Reference Materials																					
STD CSC	Standard																	3.05	4.16		
STD CSC	Standard																	3.17	4.26		
STD CSC	Standard																	3.18	4.18		
STD CSC	Standard																	3.10	4.18		
STD DS7	Standard	11	198	1.03	388	0.115	35	0.96	0.089	0.44	3.5	0.21	2.4	4.1	0.19	4	3.5				
STD DS7	Standard	12	204	1.06	382	0.123	38	1.01	0.095	0.47	3.7	0.21	2.6	4.2	0.19	4	3.5				
STD CSC Expected																		3.13	4.19		
STD DS7 Expected		12.7	163	1.05	370.3	0.124	38.6	0.959	0.073	0.44	3.8	0.2	2.5	4.19	0.21	4.6	3.5				
BLK	Blank																	<0.02	<0.02		
BLK	Blank																	<0.02	<0.02		
BLK	Blank	<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				

QUALITY CONTROL REPORT

VAN07000621.2

Method		ABA	ABA	ABA	ABA	ABA
Analyte		S2- S	obek NP	MPA	NET NP	Fizz
Unit		%	%	%	%	
MDL		0.01	0.1	0.1	0.1	0
Pulp Duplicates						
WEEK 30 COMP	Rock Pulp	0.84	96.3	26.2	70.1	strong
REP WEEK 30 COMP	QC		96.9			
Reference Materials						
STD CSC	Standard					
STD CSC	Standard					
STD CSC	Standard					
STD CSC	Standard					
STD DS7	Standard					
STD DS7	Standard					
STD CSC Expected						
STD DS7 Expected						
BLK	Blank					
BLK	Blank					
BLK	Blank					

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

To Alaska Assay Labs PROJECT 25329

Acme file # A705046R Received: AUG 20 2007 * 2 samples in this disk file.

Analysis: GROUP 4A - 0.200 GM SAMPLE BY LIBO2/LI2B4O7 FUSION, ANALYSIS BY ICP-ES. (LIBO2/LI2B4O7 FUSION MAY NOT BE SUITABLE FOR MASSIVE SULFIDE OR HIGH

ELEMENT	SiO2	Al2O3	Fe2O3	MgO	CaO	Na2O	K2O	TiO2	P2O5	MnO	Cr2O3	Ba	Ni	Sr	Zr	Y	Nb	Sc	LOI	SUM
SAMPLES	%	%	%	%	%	%	%	%	%	%	%	ppm	ppm	ppm	ppm	ppm	ppm	ppm	%	%
MONTH 6 COMPOSITE	59.73	16.05	8.23	3.11	2.05	0.63	3.18	0.89	0.13	0.2	0.027	564	68	115	157	29	17	18	5.6	99.95
STANDARD SO-18	57.83	14.11	7.7	3.43	6.43	3.73	2.14	0.71	0.85	0.41	0.559	492	50	401	275	32	21	25	1.9	99.95

From ACME ANALYTICAL LABORATORIES LTD. 852 E. HASTINGS ST. VANCOUVER BC V6A 1R6 PHONE(604)253-3158 FAX(604)253-1716

To Alaska Assay Labs PROJECT 25329

Acme file # A705046R Received: AUG 20 2007 * 2 samples in this disk file.

Analysis: CO2 GROUP 2A - DIGEST WITH WARM 15% HCLO4, EVOLVED CO2 ANALYSED BY LECO.

ELEMENT	CO2
SAMPLES	%
MONTH 6 COMPOSITE	1.88
STANDARD CSC	1.5

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To Alaska Assay Labs PROJECT 25328

Acme file # A705044R Received: AUG 20 2007 * 4 samples in this disk file.

Analysis: CO2 GROUP 2A - DIGEST WITH WARM 15% HCLO4, EVOLVED CO2 ANALYSED BY LECO.

ELEMENT	CO2
SAMPLES	%
WEEK 23 COMPOSITE	1.04
WEEK 24 COMPOSITE	2.22
WEEK 25 COMPOSITE	1.9
STANDARD CSC	1.49

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To Alaska Assay Labs PROJECT 25209

Acme file # A703761R Received: AUG 20 2007 * 2 samples in this disk file.

Analysis: CO2 GROUP 2A - DIGEST WITH WARM 15% HCLO4, EVOLVED CO2 ANALYSED BY LECO.

ELEMENT	CO2
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SAMPLES	%
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MONTH 5 COMPOSITE	1.99
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STANDARD CSC	1.51
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To Alaska Assay Labs PROJECT 25208

Acme file # A703759R Received: AUG 20 2007 * 4 samples in this disk file.

Analysis: GROUP 4A - 0.200 GM SAMPLE BY LIBO2/LI2B4O7 FUSION, ANALYSIS BY ICP-ES. (LIBO2/LI2B4O7 FUSION MAY NOT BE SUITABLE FOR MASSIVE SULFIDE OR HIGH

ELEMENT SAMPLES	SiO2 %	Al2O3 %	Fe2O3 %	MgO %	CaO %	Na2O %	K2O %	TiO2 %	P2O5 %	MnO %	Cr2O3 %	Ba ppm	Ni ppm	Sr ppm	Zr ppm	Y ppm	Nb ppm	Sc ppm	LOI %	SUM %
WEEK 19 COMPOSITE	57.75	14.23	7.52	2.88	5.24	0.35	2.95	0.82	0.14	0.1	0.025	589	78	136	171	30	17	15	7.9	100.03
WEEK 20 COMPOSITE	56.81	16.36	9.28	2.91	2.71	2.45	2.01	0.91	0.12	0.38	0.039	827	94	138	131	27	18	23	5.9	100.03
WEEK 21 COMPOSITE	56.07	17.01	10.28	3.8	1.17	1.34	2.55	0.95	0.12	0.64	0.036	888	115	99	143	28	19	25	5.9	100.02
STANDARD SO-18	58.12	14.05	7.66	3.4	6.32	3.75	2.17	0.71	0.83	0.41	0.59	417	55	398	273	31	24	25	1.9	100.06

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To Alaska Assay Labs PROJECT 25208

Acme file # A703759R Received: AUG 20 2007 * 4 samples in this disk file.

Analysis: CO2 GROUP 2A - DIGEST WITH WARM 15% HCLO4, EVOLVED CO2 ANALYSED BY LECO.

ELEMENT	CO2
SAMPLES	%
WEEK 19 COMPOSITE	4.43
WEEK 20 COMPOSITE	2.34
WEEK 21 COMPOSITE	1.68
STANDARD CSC	1.47

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To Alaska Assay Labs PROJECT 25160

Acme file # A702949R Received: AUG 20 2007 * 2 samples in this disk file.

Analysis: CO2 GROUP 2A - DIGEST WITH WARM 15% HCLO4, EVOLVED CO2 ANALYSED BY LECO.

ELEMENT	CO2
SAMPLES	%
WEEK 18 COMPOSITE	0.82
STANDARD CSC	1.48