0016

Outgoing
C/015/0019
C/015/0018
C/015/0009

From: Jim Smith
To: Guy Davis; OGMCOAL
Date: 12/22/2008 10:05 AM
Subject: Re: Energy West Mining Company / 3rd Quarter 2008 Water Data
Place: OGMCOAL
Attachments: CttnWd.doc; Deer Creek.doc; Trail Mtn.doc

Guy:

I have uploaded all of the information for the Deer Creek, Trail Mountain, and Cottonwood/Wilberg Mines from the pipeline into the permanent database. Upload and Parameter Reports are attached. Based on these reports, generated by the APPX database , it appears you have sampled all required sites for the 3rd quarter 2008 for the Deer Creek, Trail Mountain, and Cottonwood/Wilberg Mines. This will be verified by the assigned hydrologist, but you may want to verify for yourself first to avoid having delinquent data.

Please let me know if you have any questions

Jim Smith
Environmental Scientist
UDOGM
(801) 538-5262

>>> "Davis, Guy" <David.Davis@PacifiCorp.com> 12/19/2008 3:24 PM >>>
The 3rd Quarter 2008 Water Data have been checked and are ready to upload to the Division's system. Please notify me when the upload takes place and send a report so I can verify that all data was successfully uploaded.

Sincerely,

Guy Davis
Sr. Env. Health Specialist
Office 435-687-4711
Fax 435-687-2695

Oil, Gas and Mining
12/22/2008
OFFICIAL UPLOAD and PARAMETER REPORT
PACIFICORP
COTTONWOOD/WILBERG MINE

SITE TYPE: Stream

SITE: CCC1 USGS FLUME

Laboratory: FLD 20080708-9 Period:OPER
Sample Date: 07/08/2008 Time: 11:23 Reported: Received:
11-Flow 35.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080819-1 Period:OPER
Sample Date: 08/19/2008 Time: 13:32 Reported: Received:
11-Flow 10.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080929-1 Period:BASE
Sample Date: 09/29/2008 Time: 12:35 Reported: Received:
1-Field Water Temperature 11.000000 Deg. C Method: NONE
2-pH (fld) 8.930000 pH units Method: NONE
4-Sp. Conductivity (fld) 615.000000 umhos/cm Method: NONE
11-Flow 6.700000 GPM Method: ALL OTHE

SITE: GWR01

NO FLOW Date: 07/08/2008 Time: 12:00

NO FLOW Date: 08/19/2008 Time: 12:00

NO FLOW Date: 09/29/2008 Time: 12:00

SITE: GWR02

NO FLOW Date: 07/08/2008 Time: 12:00

NO FLOW Date: 08/19/2008 Time: 12:00

NO FLOW Date: 09/29/2008 Time: 12:00

SITE: GWR03

NO FLOW Date: 07/08/2008 Time: 12:00

NO FLOW Date: 08/19/2008 Time: 12:00

NO FLOW Date: 09/29/2008 Time: 12:00

SITE TYPE: UPDES Permit discharge point
SITE: -004 MILLER CYN

NO FLOW Date: 07/01/2008 Time: 12:00

NO FLOW Date: 08/05/2008 Time: 12:00

NO FLOW Date: 09/02/2008 Time: 12:00

SITE: UT0022896-001

Laboratory: SGS 5980040902 Period:UPDS
Sample Date: 07/01/2008 Time: 13:25 Reported: 07/15/2008 Received: 07/01/2008
1-Field Water Temperature 11.300000 Deg. C Method: NONE
2-pH (fld) 7.420000 pH units Method: NONE

4-Sp. Conductivity (fld)		1130.000000	umhos/cm Method: NONE
11-Flow		21.260000	GPM Method: ALL OTHE
14-pH (lab)		7.330000	pH units Method: SM4500-H
16-Total Suspended Solids	<	5.000000	mg/l Method: SM2540-D
36-Dissolved Calcium		119.910000	mg/l Method: EPA 200.
40-Dissolved Iron	<	.030000	mg/l Method: EPA 200.
42-Dissolved Magnesium		74.310000	mg/l Method: EPA 200.
43-Dissolved Manganese	<	.002000	mg/l Method: EPA 200.
45-Dissolved Potassium		6.520000	mg/l Method: EPA 200.
48-Dissolved Sodium		34.650000	mg/l Method: EPA 200.
53-Chloride		16.000000	mg/l Method: EPA 300.
60-Sulfate		250.000000	mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3		364.000000	mg/l Method: SM2320
63-Total Hardness as CaCO3		605.000000	mg/l Method: SM2340-B
67-Specific Conductivity (Lab)		1210.000000	umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C		744.000000	mg/l Method: SM2540-C
71-Bicarbonate as CaCO3		364.000000	mg/l Method: SM2320
72-Carbonate as CaCO3	<	5.000000	mg/l Method: SM2320
133-Total Cations		13.800000	meq/l Method: SM1030
134-Total Anions		12.900000	meq/l Method: SM1030
135-Cation/Anion Balance		3.200000	PC DIFF Method: PC. DIFF
145-Total Iron	<	.050000	mg/l Method: EPA 200.
149-Total Manganese	<	.002000	mg/l Method: EPA 200.

Laboratory: SGS 5980049202 Period:UPDS
Sample Date: 08/05/2008 Time: 10:25 Reported: 08/12/2008 Received: 08/05/2008

1-Field Water Temperature		11.500000	Deg. C Method: NONE
2-pH (fld)		7.210000	pH units Method: NONE
4-Sp. Conductivity (fld)		1102.000000	umhos/cm Method: NONE
11-Flow		23.660000	GPM Method: ALL OTHE
14-pH (lab)		7.510000	pH units Method: SM4500-H
16-Total Suspended Solids	<	5.000000	mg/l Method: SM2540-D
36-Dissolved Calcium		116.190000	mg/l Method: EPA 200.
40-Dissolved Iron	<	.030000	mg/l Method: EPA 200.
42-Dissolved Magnesium		69.670000	mg/l Method: EPA 200.
43-Dissolved Manganese	<	.002000	mg/l Method: EPA 200.
45-Dissolved Potassium		6.740000	mg/l Method: EPA 200.
48-Dissolved Sodium		36.220000	mg/l Method: EPA 200.
53-Chloride		16.000000	mg/l Method: EPA 300.
60-Sulfate		246.000000	mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3		371.000000	mg/l Method: SM2320-B
63-Total Hardness as CaCO3		577.000000	mg/l Method: SM2340-B
67-Specific Conductivity (Lab)		1162.000000	umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C		760.000000	mg/l Method: SM2540-C
71-Bicarbonate as CaCO3		371.000000	mg/l Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000	mg/l Method: SM2320-B
133-Total Cations		13.300000	meq/l Method: SM1030
134-Total Anions		13.000000	meq/l Method: SM1030
135-Cation/Anion Balance		1.100000	PC DIFF Method: PC. DIFF
145-Total Iron	<	.050000	mg/l Method: EPA 200.
149-Total Manganese	<	.002000	mg/l Method: EPA 200.

Laboratory: SGS 5980054703 Period:UPDS
Sample Date: 08/25/2008 Time: 15:40 Reported: 09/02/2008 Received: 08/25/2008

1-Field Water Temperature		10.700000	Deg. C Method: NONE
2-pH (fld)		7.400000	pH units Method: NONE
4-Sp. Conductivity (fld)		1090.000000	umhos/cm Method: NONE
11-Flow		23.660000	GPM Method: ALL OTHE
14-pH (lab)		7.500000	pH units Method: SM4500-H
16-Total Suspended Solids	<	5.000000	mg/l Method: SM2540-D
36-Dissolved Calcium		117.320000	mg/l Method: EPA 200.
40-Dissolved Iron	<	.030000	mg/l Method: EPA 200.
42-Dissolved Magnesium		70.620000	mg/l Method: EPA 200.
43-Dissolved Manganese	<	.002000	mg/l Method: EPA 200.
45-Dissolved Potassium		6.890000	mg/l Method: EPA 200.
48-Dissolved Sodium		36.450000	mg/l Method: EPA 200.
53-Chloride		14.000000	mg/l Method: EPA 300.
60-Sulfate		244.000000	mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3		377.000000	mg/l Method: SM2320-B
63-Total Hardness as CaCO3		584.000000	mg/l Method: SM2340-B
67-Specific Conductivity (Lab)		1267.000000	umhos/cm Method: SM2510-B

68-Total Dissolved Solids @ 180 C 717.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 377.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 13.400000 meq/l Method: SM1030
134-Total Anions 13.000000 meq/l Method: SM1030
135-Cation/Anion Balance 1.600000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

Laboratory: SGS 5980055702 Period:UPDS
Sample Date: 09/02/2008 Time: 14:30 Reported: 09/22/2008 Received: 09/02/2008
1-Field Water Temperature 11.900000 Deg. C Method: NONE
2-pH (fld) 7.260000 pH units Method: NONE
4-Sp. Conductivity (fld) 1094.000000 umhos/cm Method: NONE
11-Flow 16.750000 GPM Method: ALL OTHE
14-pH (lab) 7.320000 pH units Method: SM4500-H
16-Total Suspended Solids < 5.000000 mg/l Method: SM2540-D
36-Dissolved Calcium 115.550000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 67.830000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 6.520000 mg/l Method: EPA 200.
48-Dissolved Sodium 36.190000 mg/l Method: EPA 200.
53-Chloride 14.000000 mg/l Method: EPA 300.
60-Sulfate 247.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 376.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 568.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 1115.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 751.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 376.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 13.100000 meq/l Method: SM1030
134-Total Anions 13.100000 meq/l Method: SM1030
135-Cation/Anion Balance .100000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: UT0022896-003

NO FLOW Date: 07/01/2008 Time: 12:00

NO FLOW Date: 08/05/2008 Time: 12:00

NO FLOW Date: 09/02/2008 Time: 12:00

SITE: UT0022896-005

NO FLOW Date: 07/01/2008 Time: 12:00

NO FLOW Date: 08/05/2008 Time: 12:00

NO FLOW Date: 09/02/2008 Time: 12:00

SITE TYPE: Well
SITE: WCWR1

Laboratory: SGS 5980063101 Period:OPER
Sample Date: 09/30/2008 Time: 10:00 Reported: 10/07/2008 Received: 09/30/2008
1-Field Water Temperature 13.200000 Deg. C Method: NONE
2-pH (fld) 7.490000 pH units Method: NONE
3-Dissolved Oxygen (field) 4.460000 mg/l Method: NONE
4-Sp. Conductivity (fld) 17860.000000 umhos/cm Method: NONE
8-Depth 52.580000 feet Method: ALL OTHE
14-pH (lab) 7.420000 pH units Method: SM4500-H
36-Dissolved Calcium 421.090000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 780.880000 mg/l Method: EPA 200.
43-Dissolved Manganese .009000 mg/l Method: EPA 200.

45-Dissolved Potassium	37.890000	mg/l	Method: EPA 200.
48-Dissolved Sodium	3517.100000	mg/l	Method: EPA 200.
51-Acidity as CaCO3	28.000000	mg/l	Method: ASTM 106
53-Chloride	2532.000000	mg/l	Method: EPA 300.
60-Sulfate	7417.000000	mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	441.000000	mg/l	Method: SM2320-B
63-Total Hardness as CaCO3	4267.000000	mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	17900.000000	umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	15831.000000	mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	441.000000	mg/l	Method: SM2320-B
72-Carbonate as CaCO3	< 5.000000	mg/l	Method: SM2320-B
133-Total Cations	239.200000	meq/l	Method: SM1030
134-Total Anions	234.600000	meq/l	Method: SM1030
135-Cation/Anion Balance	1.000000	PC DIFF	Method: PC. DIFF
145-Total Iron	2.860000	mg/l	Method: EPA 200.
149-Total Manganese	.077000	mg/l	Method: EPA 200.

Oil, Gas and Mining
12/22/2008
OFFICIAL UPLOAD and PARAMETER REPORT
PACIFICORP
DEER CREEK MINE

SITE TYPE: Other: in mine, roof drippers
SITE: MAIN N MAIN E

Laboratory: SGS 5980060803 Period:OPER
Sample Date: 09/23/2008 Time: 11:21 Reported: 10/13/2008 Received: 09/23/2008

1-Field Water Temperature		7.000000 Deg. C	Method: NONE
2-pH (fld)		8.120000 pH units	Method: NONE
4-Sp. Conductivity (fld)		859.000000 umhos/cm	Method: NONE
11-Flow		.180000 GPM	Method: ALL OTHE
14-pH (lab)		8.090000 pH units	Method: SM4500-H
36-Dissolved Calcium		90.410000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		55.800000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		2.890000 mg/l	Method: EPA 200.
48-Dissolved Sodium		19.160000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		16.000000 mg/l	Method: ASTM 106
53-Chloride		7.000000 mg/l	Method: EPA 300.
60-Sulfate		150.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		311.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		456.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		873.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		553.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		311.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		10.000000 meq/l	Method: SM1030
134-Total Anions		9.500000 meq/l	Method: SM1030
135-Cation/Anion Balance		2.400000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: TW-10

Laboratory: SGS 5980060802 Period:OPER
Sample Date: 09/23/2008 Time: 11:57 Reported: 10/21/2008 Received: 09/23/2008

1-Field Water Temperature		7.200000 Deg. C	Method: NONE
2-pH (fld)		7.360000 pH units	Method: NONE
4-Sp. Conductivity (fld)		648.000000 umhos/cm	Method: NONE
11-Flow		3.530000 GPM	Method: ALL OTHE
14-pH (lab)		7.460000 pH units	Method: SM4500-H
36-Dissolved Calcium		73.230000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		36.750000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		1.400000 mg/l	Method: EPA 200.
48-Dissolved Sodium		16.290000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		15.000000 mg/l	Method: ASTM 106
53-Chloride		4.000000 mg/l	Method: EPA 300.
60-Sulfate		44.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		299.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		334.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		658.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		367.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		299.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		7.400000 meq/l	Method: SM1030
134-Total Anions		7.000000 meq/l	Method: SM1030
135-Cation/Anion Balance		2.800000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE TYPE: Spring
SITE: 79-10

Laboratory: SGS 5980042705 Period:OPER
Sample Date: 07/09/2008 Time: 15:03 Reported: 07/24/2008 Received: 07/10/2008

1-Field Water Temperature		7.200000 Deg. C	Method: NONE
2-pH (fld)		7.860000 pH units	Method: NONE
4-Sp. Conductivity (fld)		497.000000 umhos/cm	Method: NONE
11-Flow		11.400000 GPM	Method: ALL OTHE
14-pH (lab)		7.830000 pH units	Method: SM4500-H
36-Dissolved Calcium		75.650000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		24.400000 mg/l	Method: EPA 200.
43-Dissolved Manganese		.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.440000 mg/l	Method: EPA 200.
48-Dissolved Sodium		4.440000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		16.000000 mg/l	Method: ASTM 106
53-Chloride		3.000000 mg/l	Method: EPA 300.
60-Sulfate		8.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		260.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		289.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		554.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		303.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		260.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		6.000000 meq/l	Method: SM1030
134-Total Anions		5.400000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.900000 PC DIFF	Method: PC. DIFF

This Parameter is out by 2.15 Standard Deviations(STD). One STD is 1.49 with a mean of 1.71.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese		.002000 mg/l	Method: EPA 200.

Laboratory: FLD 20080821-4 Period:OPER
Sample Date: 08/21/2008 Time: 14:47 Reported: Received:

11-Flow		4.000000 GPM	Method: ALL OTHE

Laboratory: FLD 20080925-6 Period:OPER
Sample Date: 09/25/2008 Time: 14:10 Reported: Received:

11-Flow		1.700000 GPM	Method: ALL OTHE

SITE: 79-15

Laboratory: SGS 5980042715 Period:OPER
Sample Date: 07/09/2008 Time: 14:30 Reported: 07/24/2008 Received: 07/10/2008

1-Field Water Temperature		7.200000 Deg. C	Method: NONE
2-pH (fld)		7.800000 pH units	Method: NONE
4-Sp. Conductivity (fld)		459.000000 umhos/cm	Method: NONE
11-Flow		15.800000 GPM	Method: ALL OTHE
14-pH (lab)		7.800000 pH units	Method: SM4500-H
36-Dissolved Calcium		72.710000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		22.600000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.450000 mg/l	Method: EPA 200.
48-Dissolved Sodium		5.140000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		12.000000 mg/l	Method: ASTM 106
53-Chloride		3.000000 mg/l	Method: EPA 300.
60-Sulfate		7.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		252.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		275.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		534.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		283.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		252.000000 mg/l	Method: SM2320-B

This Parameter is out by 3.47 Standard Deviations(STD). One STD is 3.87 with a mean of 265.43.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		5.700000 meq/l	Method: SM1030

134-Total Anions 5.300000 meq/l Method: SM1030
135-Cation/Anion Balance 4.200000 PC DIFF Method: PC. DIFF
This Parameter is out by 2.61 Standard Deviations(STD). One STD is 1.06 with a mean of 1.43.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
145-Total Iron .140000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: 79-2

Laboratory: SGS 5980043307 Period:OPER
Sample Date: 07/10/2008 Time: 13:24 Reported: 07/22/2008 Received: 07/11/2008
1-Field Water Temperature 5.800000 Deg. C Method: NONE
2-pH (fld) 7.530000 pH units Method: NONE
4-Sp. Conductivity (fld) 563.000000 umhos/cm Method: NONE
11-Flow 2.100000 GPM Method: ALL OTHE
14-pH (lab) 7.660000 pH units Method: SM4500-H
36-Dissolved Calcium 63.080000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 20.320000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .260000 mg/l Method: EPA 200.
48-Dissolved Sodium 37.680000 mg/l Method: EPA 200.
51-Acidity as CaCO3 18.000000 mg/l Method: ASTM 106
This Parameter is out by 3.40 Standard Deviations(STD). One STD is 2.35 with a mean of 10.00.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 18.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 278.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 241.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 599.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 330.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 278.000000 mg/l Method: SM2320-B
This Parameter is out by 4.59 Standard Deviations(STD). One STD is 1.99 with a mean of 287.14.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 6.500000 meq/l Method: SM1030
134-Total Anions 6.000000 meq/l Method: SM1030
135-Cation/Anion Balance 3.800000 PC DIFF Method: PC. DIFF
This Parameter is out by 2.09 Standard Deviations(STD). One STD is 1.10 with a mean of 1.50.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: 79-23

NO FLOW Date: 07/10/2008 Time: 12:00

NO FLOW Date: 08/20/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 79-24

NO FLOW Date: 07/10/2008 Time: 12:00

SITE: 79-26

NO FLOW Date: 07/15/2008 Time: 12:00

NO FLOW Date: 08/21/2008 Time: 12:00

NO FLOW Date: 09/30/2008 Time: 12:44

SITE: 79-28

Laboratory: SGS 5980044705 Period:OPER
Sample Date: 07/15/2008 Time: 09:48 Reported: 07/23/2008 Received: 07/16/2008
1-Field Water Temperature 6.000000 Deg. C Method: NONE
2-pH (fld) 7.820000 pH units Method: NONE
3-Dissolved Oxygen (field) .000000 mg/l Method: NONE
This Parameter is out by 4.73 Standard Deviations(STD). One STD is 1.59 with a mean of 7.50.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Parameter not required
4-Sp. Conductivity (fld) 724.000000 umhos/cm Method: NONE
11-Flow 1.000000 GPM Method: ALL OTHE
14-pH (lab) 7.410000 pH units Method: SM4500-H
36-Dissolved Calcium 36.110000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 24.060000 mg/l Method: EPA 200.
43-Dissolved Manganese .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.610000 mg/l Method: EPA 200.
48-Dissolved Sodium 86.240000 mg/l Method: EPA 200.
51-Acidity as CaCO3 18.000000 mg/l Method: ASTM 106
This Parameter is out by 5.09 Standard Deviations(STD). One STD is 1.90 with a mean of 8.33.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
53-Chloride 13.000000 mg/l Method: EPA 300.
60-Sulfate 140.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 211.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 189.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 738.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 447.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 211.000000 mg/l Method: SM2320-B
This Parameter is out by 2.34 Standard Deviations(STD). One STD is 5.71 with a mean of 224.38.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 7.600000 meq/l Method: SM1030
134-Total Anions 7.500000 meq/l Method: SM1030
135-Cation/Anion Balance .500000 PC DIFF Method: PC. DIFF
145-Total Iron .870000 mg/l Method: EPA 200.
149-Total Manganese .010000 mg/l Method: EPA 200.

SITE: 79-29

NO FLOW Date: 07/15/2008 Time: 12:00

NO FLOW Date: 08/21/2008 Time: 12:00

Laboratory: FLD 20080930-1 Period:OPER
Sample Date: 09/30/2008 Time: 13:15 Reported: Received:
11-Flow .750000 GPM Method: ALL OTHE

SITE: 79-32

NO FLOW Date: 07/15/2008 Time: 12:00

SITE: 79-34

Laboratory: SGS 5980042714 Period:OPER
Sample Date: 07/09/2008 Time: 14:15 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 7.600000 Deg. C Method: NONE
2-pH (fld) 7.400000 pH units Method: NONE

4-Sp. Conductivity (fld) 620.000000 umhos/cm Method: NONE
11-Flow 13.900000 GPM Method: ALL OTHE
14-pH (lab) 7.590000 pH units Method: SM4500-H
36-Dissolved Calcium 74.620000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 38.290000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .780000 mg/l Method: EPA 200.
48-Dissolved Sodium 10.730000 mg/l Method: EPA 200.
51-Acidity as CaCO3 17.000000 mg/l Method: ASTM 106
53-Chloride 7.000000 mg/l Method: EPA 300.
60-Sulfate 22.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 305.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 344.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 664.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 355.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 305.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 7.400000 meq/l Method: SM1030
134-Total Anions 6.700000 meq/l Method: SM1030
135-Cation/Anion Balance 4.400000 PC DIFF Method: PC. DIFF
145-Total Iron 1.710000 mg/l Method: EPA 200.
149-Total Manganese .080000 mg/l Method: EPA 200.

SITE: 79-35

Laboratory: SGS 5980042713 Period:OPER
Sample Date: 07/09/2008 Time: 13:52 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 5.800000 Deg. C Method: NONE
2-pH (fld) 8.500000 pH units Method: NONE
4-Sp. Conductivity (fld) 438.000000 umhos/cm Method: NONE
11-Flow 2.000000 GPM Method: ALL OTHE
14-pH (lab) 7.900000 pH units Method: SM4500-H
36-Dissolved Calcium 83.180000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 16.570000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .230000 mg/l Method: EPA 200.
48-Dissolved Sodium 3.050000 mg/l Method: EPA 200.
51-Acidity as CaCO3 11.000000 mg/l Method: ASTM 106
53-Chloride 2.000000 mg/l Method: EPA 300.
60-Sulfate 4.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 251.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 276.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 513.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 286.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 251.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 5.700000 meq/l Method: SM1030
134-Total Anions 5.200000 meq/l Method: SM1030
135-Cation/Anion Balance 4.600000 PC DIFF Method: PC. DIFF
This Parameter is out by 3.23 Standard Deviations(STD). One STD is 0.93 with a mean of 1.60.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
145-Total Iron .180000 mg/l Method: EPA 200.
149-Total Manganese .006000 mg/l Method: EPA 200.

Laboratory: FLD 20080821-5 Period:OPER
Sample Date: 08/21/2008 Time: 11:20 Reported: Received:
11-Flow 1.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080925-7 Period:OPER
Sample Date: 09/25/2008 Time: 12:50 Reported: Received:
11-Flow .610000 GPM Method: ALL OTHE

SITE: 79-38

Laboratory: SGS 5980043302 Period:OPER
Sample Date: 07/10/2008 Time: 10:45 Reported: 07/22/2008 Received: 07/11/2008

1-Field Water Temperature 11.000000 Deg. C Method: NONE
2-pH (fld) 8.350000 pH units Method: NONE
4-Sp. Conductivity (fld) 638.000000 umhos/cm Method: NONE
11-Flow 4.900000 GPM Method: ALL OTHE
14-pH (lab) 8.350000 pH units Method: SM4500-H
36-Dissolved Calcium 71.280000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 21.640000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .720000 mg/l Method: EPA 200.
48-Dissolved Sodium 51.230000 mg/l Method: EPA 200.
This Parameter is out by 2.26 Standard Deviations(STD). One STD is 2.48 with a mean of 45.62.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 27.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 313.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 267.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 686.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 395.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 313.000000 mg/l Method: SM2320-B
This Parameter is out by 2.71 Standard Deviations(STD). One STD is 13.48 with a mean of 349.50.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 7.600000 meq/l Method: SM1030
134-Total Anions 6.900000 meq/l Method: SM1030
135-Cation/Anion Balance 4.400000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: 79-40

NO FLOW Date: 07/10/2008 Time: 12:00

SITE: 80-41

NO FLOW Date: 07/10/2008 Time: 12:00

SITE: 80-43

NO FLOW Date: 07/10/2008 Time: 12:00

SITE: 80-44

NO FLOW Date: 07/10/2008 Time: 12:00

NO FLOW Date: 08/21/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 80-46

NO FLOW Date: 07/10/2008 Time: 12:00

NO FLOW Date: 08/21/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 80-47

Laboratory: SGS 5980043308 Period:OPER
Sample Date: 07/10/2008 Time: 13:50 Reported: 07/22/2008 Received: 07/11/2008

1-Field Water Temperature		7.400000 Deg. C	Method: NONE
2-pH (fld)		7.760000 pH units	Method: NONE
4-Sp. Conductivity (fld)		558.000000 umhos/cm	Method: NONE
11-Flow		3.000000 GPM	Method: ALL OTHE
14-pH (lab)		7.660000 pH units	Method: SM4500-H
36-Dissolved Calcium		66.550000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		32.980000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.630000 mg/l	Method: EPA 200.
48-Dissolved Sodium		14.760000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		16.000000 mg/l	Method: ASTM 106
53-Chloride		4.000000 mg/l	Method: EPA 300.
60-Sulfate		15.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		288.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		302.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		612.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		336.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		288.000000 mg/l	Method: SM2320-B

This Parameter is out by 2.62 Standard Deviations(STD). One STD is 3.98 with a mean of 298.43.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		6.700000 meq/l	Method: SM1030
134-Total Anions		6.200000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.000000 PC DIFF	Method: PC. DIFF
145-Total Iron		.210000 mg/l	Method: EPA 200.
149-Total Manganese		.008000 mg/l	Method: EPA 200.

SITE: 80-48

Laboratory: SGS 5980042706 Period:OPER
Sample Date: 07/09/2008 Time: 10:54 Reported: 07/24/2008 Received: 07/10/2008

1-Field Water Temperature		6.500000 Deg. C	Method: NONE
2-pH (fld)		7.480000 pH units	Method: NONE
4-Sp. Conductivity (fld)		525.000000 umhos/cm	Method: NONE
11-Flow		2.700000 GPM	Method: ALL OTHE
14-pH (lab)		7.670000 pH units	Method: SM4500-H
36-Dissolved Calcium		65.270000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		34.590000 mg/l	Method: EPA 200.

This Parameter is out by 2.14 Standard Deviations(STD). One STD is 2.23 with a mean of 29.82.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.450000 mg/l	Method: EPA 200.
48-Dissolved Sodium		5.060000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		20.000000 mg/l	Method: ASTM 106
53-Chloride		3.000000 mg/l	Method: EPA 300.
60-Sulfate		9.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		273.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		305.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		581.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		297.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		273.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		6.300000 meq/l	Method: SM1030
134-Total Anions		5.700000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.900000 PC DIFF	Method: PC. DIFF

This Parameter is out by 3.81 Standard Deviations(STD). One STD is 1.06 with a mean of 0.85.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

145-Total Iron		.270000 mg/l	Method: EPA 200.
149-Total Manganese		.002000 mg/l	Method: EPA 200.

SITE: 80-50

Laboratory: SGS 5980044701 Period:OPER
Sample Date: 07/16/2008 Time: 09:56 Reported: 07/23/2008 Received: 07/16/2008

1-Field Water Temperature		7.700000 Deg. C	Method: NONE
2-pH (fld)		8.130000 pH units	Method: NONE
3-Dissolved Oxygen (field)		.000000 mg/l	Method: NONE
4-Sp. Conductivity (fld)		1019.000000 umhos/cm	Method: NONE
11-Flow		1.400000 GPM	Method: ALL OTHE
14-pH (lab)		8.000000 pH units	Method: SM4500-H
36-Dissolved Calcium		50.410000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		105.640000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		2.930000 mg/l	Method: EPA 200.
48-Dissolved Sodium		22.600000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		11.000000 mg/l	Method: ASTM 106
53-Chloride		17.000000 mg/l	Method: EPA 300.
60-Sulfate		176.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		384.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		561.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		1050.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		627.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		384.000000 mg/l	Method: SM2320-B

This Parameter is out by 2.21 Standard Deviations(STD). One STD is 10.34 with a mean of 406.80.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		12.300000 meq/l	Method: SM1030
134-Total Anions		11.800000 meq/l	Method: SM1030
135-Cation/Anion Balance		1.800000 PC DIFF	Method: PC. DIFF
145-Total Iron		.340000 mg/l	Method: EPA 200.
149-Total Manganese		.009000 mg/l	Method: EPA 200.

SITE: 82-51

Laboratory: SGS 5980043305 Period:OPER
Sample Date: 07/10/2008 Time: 12:40 Reported: 07/22/2008 Received: 07/11/2008

1-Field Water Temperature		13.500000 Deg. C	Method: NONE
2-pH (fld)		7.750000 pH units	Method: NONE
4-Sp. Conductivity (fld)		850.000000 umhos/cm	Method: NONE
11-Flow		1.300000 GPM	Method: ALL OTHE
14-pH (lab)		8.000000 pH units	Method: SM4500-H
36-Dissolved Calcium		93.200000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		51.310000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.380000 mg/l	Method: EPA 200.
48-Dissolved Sodium		33.870000 mg/l	Method: EPA 200.

This Parameter is out by 2.21 Standard Deviations(STD). One STD is 2.15 with a mean of 29.13.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

51-Acidity as CaCO3		10.000000 mg/l	Method: ASTM 106
53-Chloride		14.000000 mg/l	Method: EPA 300.
60-Sulfate		174.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		275.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		444.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		909.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		568.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		275.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		10.400000 meq/l	Method: SM1030
134-Total Anions		9.500000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.200000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: 82-52

Laboratory: SGS 5980043304 Period:OPER
Sample Date: 07/10/2008 Time: 11:21 Reported: 07/22/2008 Received: 07/11/2008

1-Field Water Temperature		6.800000 Deg. C	Method: NONE
2-pH (fld)		8.030000 pH units	Method: NONE
4-Sp. Conductivity (fld)		724.000000 umhos/cm	Method: NONE
11-Flow		1.600000 GPM	Method: ALL OTHE
14-pH (lab)		7.810000 pH units	Method: SM4500-H
36-Dissolved Calcium		75.070000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		39.050000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.860000 mg/l	Method: EPA 200.
48-Dissolved Sodium		34.600000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		20.000000 mg/l	Method: ASTM 106

This Parameter is out by 2.02 Standard Deviations(STD). One STD is 4.89 with a mean of 10.10.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

53-Chloride		9.000000 mg/l	Method: EPA 300.
60-Sulfate		51.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		334.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		348.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		767.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		439.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		334.000000 mg/l	Method: SM2320-B

This Parameter is out by 2.38 Standard Deviations(STD). One STD is 5.77 with a mean of 347.71.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		8.500000 meq/l	Method: SM1030
134-Total Anions		8.000000 meq/l	Method: SM1030
135-Cation/Anion Balance		2.900000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

NO FLOW Date: 08/20/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 84-56

NO FLOW Date: 07/15/2008 Time: 12:00

NO FLOW Date: 08/21/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 89-60

Laboratory: SGS 5980043303 Period:OPER
Sample Date: 07/10/2008 Time: 10:57 Reported: 07/22/2008 Received: 07/11/2008

1-Field Water Temperature		11.200000 Deg. C	Method: NONE
2-pH (fld)		7.740000 pH units	Method: NONE
4-Sp. Conductivity (fld)		715.000000 umhos/cm	Method: NONE
11-Flow		3.300000 GPM	Method: ALL OTHE
14-pH (lab)		7.930000 pH units	Method: SM4500-H
36-Dissolved Calcium		74.100000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		27.630000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.660000 mg/l	Method: EPA 200.
48-Dissolved Sodium		51.470000 mg/l	Method: EPA 200.

This Parameter is out by 3.96 Standard Deviations(STD). One STD is 2.52 with a mean of 41.48.
Warning: 39 - Std. Dev. is greater than 2, verify value.

Comment: Value as reported
51-Acidity as CaCO3 13.000000 mg/l Method: ASTM 106
53-Chloride 8.000000 mg/l Method: EPA 300.
60-Sulfate 32.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 336.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 299.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 749.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 436.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 336.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 8.200000 meq/l Method: SM1030
134-Total Anions 7.600000 meq/l Method: SM1030
135-Cation/Anion Balance 4.000000 PC DIFF Method: PC. DIFF
This Parameter is out by 2.51 Standard Deviations(STD). One STD is 1.18 with a mean of 1.04.
Comments: SM 1030
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
145-Total Iron .640000 mg/l Method: EPA 200.
149-Total Manganese .022000 mg/l Method: EPA 200.

SITE: 89-61

Laboratory: SGS 5980042711 Period:OPER
Sample Date: 07/09/2008 Time: 13:07 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 4.700000 Deg. C Method: NONE
2-pH (fld) 7.390000 pH units Method: NONE
4-Sp. Conductivity (fld) 496.000000 umhos/cm Method: NONE
11-Flow 77.000000 GPM Method: ALL OTHE
14-pH (lab) 7.570000 pH units Method: SM4500-H
36-Dissolved Calcium 70.970000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 30.230000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .770000 mg/l Method: EPA 200.
48-Dissolved Sodium 9.110000 mg/l Method: EPA 200.
51-Acidity as CaCO3 16.000000 mg/l Method: ASTM 106
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 17.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 271.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 302.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 586.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 303.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 271.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 6.400000 meq/l Method: SM1030
134-Total Anions 5.900000 meq/l Method: SM1030
135-Cation/Anion Balance 4.800000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: 89-65

Laboratory: SGS 5980042710 Period:OPER
Sample Date: 07/09/2008 Time: 12:08 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 5.800000 Deg. C Method: NONE
2-pH (fld) 7.770000 pH units Method: NONE
4-Sp. Conductivity (fld) 544.000000 umhos/cm Method: NONE
11-Flow 1.400000 GPM Method: ALL OTHE
14-pH (lab) 7.590000 pH units Method: SM4500-H
36-Dissolved Calcium 77.620000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 26.290000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .560000 mg/l Method: EPA 200.
48-Dissolved Sodium 6.210000 mg/l Method: EPA 200.
51-Acidity as CaCO3 18.000000 mg/l Method: ASTM 106
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 14.000000 mg/l Method: EPA 300.

62-Total Alkalinity as CaCO3 270.000000 mg/l Method: SM2320-B
This Parameter is out by 2.27 Standard Deviations(STD). One STD is 12.31 with a mean of 297.91.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
63-Total Hardness as CaCO3 302.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 557.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 332.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 270.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 6.300000 meq/l Method: SM1030
134-Total Anions 5.800000 meq/l Method: SM1030
135-Cation/Anion Balance 4.700000 PC DIFF Method: PC. DIFF
145-Total Iron 1.860000 mg/l Method: EPA 200.
149-Total Manganese .040000 mg/l Method: EPA 200.

SITE: 89-66

Laboratory: SGS 5980042709 Period:OPER
Sample Date: 07/09/2008 Time: 11:48 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 8.400000 Deg. C Method: NONE
This Parameter is out by 2.05 Standard Deviations(STD). One STD is 1.07 with a mean of 6.20.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
2-pH (fld) 7.650000 pH units Method: NONE
4-Sp. Conductivity (fld) 460.000000 umhos/cm Method: NONE
11-Flow 2.700000 GPM Method: ALL OTHE
14-pH (lab) 7.820000 pH units Method: SM4500-H
36-Dissolved Calcium 48.930000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 35.400000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .720000 mg/l Method: EPA 200.
48-Dissolved Sodium 5.640000 mg/l Method: EPA 200.
51-Acidity as CaCO3 13.000000 mg/l Method: ASTM 106
53-Chloride 5.000000 mg/l Method: EPA 300.
60-Sulfate 13.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 236.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 268.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 496.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 283.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 236.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 5.600000 meq/l Method: SM1030
134-Total Anions 5.100000 meq/l Method: SM1030
135-Cation/Anion Balance 4.500000 PC DIFF Method: PC. DIFF
145-Total Iron .120000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: 89-67

Laboratory: SGS 5980042707 Period:OPER
Sample Date: 07/09/2008 Time: 11:14 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 4.200000 Deg. C Method: NONE
2-pH (fld) 7.590000 pH units Method: NONE
4-Sp. Conductivity (fld) 477.000000 umhos/cm Method: NONE
11-Flow 8.400000 GPM Method: ALL OTHE
14-pH (lab) 7.700000 pH units Method: SM4500-H
36-Dissolved Calcium 52.590000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 35.010000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .930000 mg/l Method: EPA 200.
48-Dissolved Sodium 11.090000 mg/l Method: EPA 200.
51-Acidity as CaCO3 16.000000 mg/l Method: ASTM 106
53-Chloride 5.000000 mg/l Method: EPA 300.
60-Sulfate 18.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 251.000000 mg/l Method: SM2320-B

63-Total Hardness as CaCO3 275.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 551.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 295.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 251.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 6.000000 meq/l Method: SM1030
134-Total Anions 5.500000 meq/l Method: SM1030
135-Cation/Anion Balance 4.200000 PC DIFF Method: PC. DIFF
145-Total Iron .310000 mg/l Method: EPA 200.
149-Total Manganese .007000 mg/l Method: EPA 200.

SITE: 89-68

Laboratory: SGS 5980042708 Period:OPER
Sample Date: 07/09/2008 Time: 11:26 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 8.800000 Deg. C Method: NONE
2-pH (fld) 7.530000 pH units Method: NONE
4-Sp. Conductivity (fld) 502.000000 umhos/cm Method: NONE
11-Flow 1.100000 GPM Method: ALL OTHE
14-pH (lab) 7.820000 pH units Method: SM4500-H
36-Dissolved Calcium 54.540000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 38.120000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .680000 mg/l Method: EPA 200.
48-Dissolved Sodium 5.560000 mg/l Method: EPA 200.
51-Acidity as CaCO3 15.000000 mg/l Method: ASTM 106
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 11.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 263.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 293.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 554.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 299.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 263.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 6.100000 meq/l Method: SM1030
134-Total Anions 5.600000 meq/l Method: SM1030
135-Cation/Anion Balance 4.400000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: 91-72

Laboratory: SGS 5980044702 Period:OPER
Sample Date: 07/15/2008 Time: 14:52 Reported: 07/23/2008 Received: 07/16/2008
1-Field Water Temperature 12.300000 Deg. C Method: NONE
2-pH (fld) 8.400000 pH units Method: NONE
3-Dissolved Oxygen (field) .000000 mg/l Method: NONE
This Parameter is out by 3.70 Standard Deviations(STD). One STD is 2.12 with a mean of 7.86.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Not required
4-Sp. Conductivity (fld) 685.000000 umhos/cm Method: NONE
11-Flow 2.900000 GPM Method: ALL OTHE
14-pH (lab) 8.390000 pH units Method: SM4500-H
36-Dissolved Calcium 56.120000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 50.610000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 2.270000 mg/l Method: EPA 200.
48-Dissolved Sodium 28.270000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 11.000000 mg/l Method: EPA 300.
60-Sulfate 94.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 287.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 349.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 745.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 434.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 287.000000 mg/l Method: SM2320-B

72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 8.300000 meq/l Method: SM1030
134-Total Anions 8.000000 meq/l Method: SM1030
135-Cation/Anion Balance 1.700000 PC DIFF Method: PC. DIFF
145-Total Iron .250000 mg/l Method: EPA 200.
149-Total Manganese .008000 mg/l Method: EPA 200.

SITE: 91-73

NO FLOW Date: 07/15/2008 Time: 12:00

SITE: BURNT TREE SP

Laboratory: SGS 5980043306 Period:OPER
Sample Date: 07/10/2008 Time: 13:11 Reported: 07/22/2008 Received: 07/11/2008
1-Field Water Temperature 5.500000 Deg. C Method: NONE
2-pH (fld) 7.920000 pH units Method: NONE
4-Sp. Conductivity (fld) 503.000000 umhos/cm Method: NONE
11-Flow 5.000000 GPM Method: ALL OTHE
14-pH (lab) 7.710000 pH units Method: SM4500-H
36-Dissolved Calcium 54.680000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 28.700000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .570000 mg/l Method: EPA 200.
48-Dissolved Sodium 19.840000 mg/l Method: EPA 200.
51-Acidity as CaCO3 21.000000 mg/l Method: ASTM 106
This Parameter is out by 3.42 Standard Deviations(STD). One STD is 3.39 with a mean of 9.40.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 13.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 258.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 255.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 542.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 307.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 258.000000 mg/l Method: SM2320-B
This Parameter is out by 2.36 Standard Deviations(STD). One STD is 3.27 with a mean of 265.71.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 6.000000 meq/l Method: SM1030
134-Total Anions 5.500000 meq/l Method: SM1030
135-Cation/Anion Balance 3.900000 PC DIFF Method: PC. DIFF
This Parameter is out by 2.06 Standard Deviations(STD). One STD is 1.08 with a mean of 1.68.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

Laboratory: FLD 20080821-1 Period:OPER
Sample Date: 08/21/2008 Time: 12:13 Reported: Received:
11-Flow 2.500000 GPM Method: ALL OTHE

Laboratory: FLD 20080925-3 Period:OPER
Sample Date: 09/25/2008 Time: 13:25 Reported: Received:
11-Flow 2.600000 GPM Method: ALL OTHE

SITE: ELK SPRING

Laboratory: SGS 5980042712 Period:OPER
Sample Date: 07/09/2008 Time: 13:30 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 4.700000 Deg. C Method: NONE

2-pH (fld) 8.060000 pH units Method: NONE
4-Sp. Conductivity (fld) 410.000000 umhos/cm Method: NONE
11-Flow 271.000000 GPM Method: ALL OTHE
14-pH (lab) 8.000000 pH units Method: SM4500-H
36-Dissolved Calcium 65.200000 mg/l Method: EPA 200.
This Parameter is out by 2.51 Standard Deviations(STD). One STD is 2.86 with a mean of 58.01.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 24.450000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .500000 mg/l Method: EPA 200.
48-Dissolved Sodium 5.220000 mg/l Method: EPA 200.
51-Acidity as CaCO3 7.000000 mg/l Method: ASTM 106
53-Chloride 2.000000 mg/l Method: EPA 300.
60-Sulfate 7.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 240.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 263.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 503.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 271.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 240.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 5.500000 meq/l Method: SM1030
134-Total Anions 5.000000 meq/l Method: SM1030
135-Cation/Anion Balance 4.700000 PC DIFF Method: PC. DIFF
This Parameter is out by 2.05 Standard Deviations(STD). One STD is 1.35 with a mean of 1.93.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

Laboratory: FLD 20080821-2 Period:OPER
Sample Date: 08/21/2008 Time: 10:46 Reported: Received:
11-Flow 91.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080925-4 Period:OPER
Sample Date: 09/25/2008 Time: 12:32 Reported: Received:
11-Flow 51.000000 GPM Method: ALL OTHE

SITE: EM 216

NO FLOW Date: 07/17/2008 Time: 11:02

SITE: EM POND

Laboratory: SGS 5980045302 Period:OPER
Sample Date: 07/17/2008 Time: 11:54 Reported: 07/29/2008 Received: 07/17/2008
1-Field Water Temperature 5.700000 Deg. C Method: NONE
2-pH (fld) 8.030000 pH units Method: NONE
3-Dissolved Oxygen (field) .000000 mg/l Method: NONE
Comments: Parameter not required
4-Sp. Conductivity (fld) 498.000000 umhos/cm Method: NONE
11-Flow 4.000000 GPM Method: ALL OTHE
14-pH (lab) 8.020000 pH units Method: SM4500-H
36-Dissolved Calcium 58.990000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 22.300000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .540000 mg/l Method: EPA 200.
48-Dissolved Sodium 1.990000 mg/l Method: EPA 200.
51-Acidity as CaCO3 11.000000 mg/l Method: ASTM 106
53-Chloride 2.000000 mg/l Method: EPA 300.
60-Sulfate 4.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 220.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 239.000000 mg/l Method: SM2340-B

67-Specific Conductivity (Lab) 434.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 255.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 220.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 4.900000 meq/l Method: SM1030
134-Total Anions 4.500000 meq/l Method: SM1030
135-Cation/Anion Balance 3.600000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: GRANT SPRING

Laboratory: SGS 5980045303 Period:OPER
Sample Date: 07/17/2008 Time: 11:24 Reported: 07/29/2008 Received: 07/17/2008
1-Field Water Temperature 5.500000 Deg. C Method: NONE
2-pH (fld) 7.740000 pH units Method: NONE
3-Dissolved Oxygen (field) .000000 mg/l Method: NONE
Comments: Parameter not required
4-Sp. Conductivity (fld) 510.000000 umhos/cm Method: NONE
11-Flow 1.800000 GPM Method: ALL OTHE
14-pH (lab) 7.940000 pH units Method: SM4500-H
36-Dissolved Calcium 54.870000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 26.660000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.320000 mg/l Method: EPA 200.
48-Dissolved Sodium 3.620000 mg/l Method: EPA 200.
51-Acidity as CaCO3 12.000000 mg/l Method: ASTM 106
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 11.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 226.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 247.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 453.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 267.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 226.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 5.100000 meq/l Method: SM1030
134-Total Anions 4.900000 meq/l Method: SM1030
135-Cation/Anion Balance 2.700000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: JV-34

Laboratory: SGS 5980045706 Period:OPER
Sample Date: 07/21/2008 Time: 12:09 Reported: 07/29/2008 Received: 07/21/2008
1-Field Water Temperature 6.400000 Deg. C Method: NONE
2-pH (fld) 7.930000 pH units Method: NONE
4-Sp. Conductivity (fld) 632.000000 umhos/cm Method: NONE
11-Flow 42.800000 GPM Method: ALL OTHE
14-pH (lab) 8.120000 pH units Method: SM4500-H
36-Dissolved Calcium 80.670000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 24.960000 mg/l Method: EPA 200.
43-Dissolved Manganese .009000 mg/l Method: EPA 200.
45-Dissolved Potassium .260000 mg/l Method: EPA 200.
48-Dissolved Sodium 7.200000 mg/l Method: EPA 200.
51-Acidity as CaCO3 8.000000 mg/l Method: ASTM 106
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 11.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 293.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 304.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 565.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 321.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 293.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 6.400000 meq/l Method: SM1030
134-Total Anions 6.200000 meq/l Method: SM1030
135-Cation/Anion Balance 1.700000 PC DIFF Method: PC. DIFF

145-Total Iron .470000 mg/l Method: EPA 200.
149-Total Manganese .068000 mg/l Method: EPA 200.

SITE: JV-9

Laboratory: SGS 5980045705 Period:OPER
Sample Date: 07/21/2008 Time: 11:50 Reported: 07/29/2008 Received: 07/21/2008
1-Field Water Temperature 6.100000 Deg. C Method: NONE
2-pH (fld) 7.830000 pH units Method: NONE
4-Sp. Conductivity (fld) 710.000000 umhos/cm Method: NONE
11-Flow 1.600000 GPM Method: ALL OTHE
14-pH (lab) 7.510000 pH units Method: SM4500-H
36-Dissolved Calcium 88.190000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 34.610000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.220000 mg/l Method: EPA 200.
48-Dissolved Sodium 7.260000 mg/l Method: EPA 200.
51-Acidity as CaCO3 22.000000 mg/l Method: ASTM 106
This Parameter is out by 2.19 Standard Deviations(STD). One STD is 4.63 with a mean of 11.88.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
53-Chloride 5.000000 mg/l Method: EPA 300.
60-Sulfate 52.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 308.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 363.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 697.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 384.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 308.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 7.600000 meq/l Method: SM1030
134-Total Anions 7.400000 meq/l Method: SM1030
135-Cation/Anion Balance 1.400000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: LITTLE BEAR

Laboratory: SGS 5980043001 Period:OPER
Sample Date: 07/10/2008 Time: 08:55 Reported: 07/22/2008 Received: 07/10/2008
1-Field Water Temperature 9.700000 Deg. C Method: NONE
2-pH (fld) 7.500000 pH units Method: NONE
4-Sp. Conductivity (fld) 558.000000 umhos/cm Method: NONE
11-Flow 321.000000 GPM Method: ALL OTHE
14-pH (lab) 7.510000 pH units Method: SM4500-H
36-Dissolved Calcium 68.850000 mg/l Method: EPA 200.
This Parameter is out by 2.84 Standard Deviations(STD). One STD is 0.95 with a mean of 66.16.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 38.350000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.430000 mg/l Method: EPA 200.
48-Dissolved Sodium 6.990000 mg/l Method: EPA 200.
51-Acidity as CaCO3 17.000000 mg/l Method: ASTM 106
53-Chloride 4.000000 mg/l Method: EPA 300.
60-Sulfate 40.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 266.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 330.000000 mg/l Method: SM2340-B
This Parameter is out by 2.59 Standard Deviations(STD). One STD is 6.05 with a mean of 314.36.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
67-Specific Conductivity (Lab) 604.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 346.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 266.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B

133-Total Cations 6.900000 meq/l Method: SM1030
134-Total Anions 6.300000 meq/l Method: SM1030
135-Cation/Anion Balance 5.000000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: MF 10

Laboratory: SGS 5980042701 Period:OPER
Sample Date: 07/09/2008 Time: 09:40 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 2.800000 Deg. C Method: NONE
2-pH (fld) 7.590000 pH units Method: NONE
4-Sp. Conductivity (fld) 327.000000 umhos/cm Method: NONE
11-Flow 46.200000 GPM Method: ALL OTHE
14-pH (lab) 7.830000 pH units Method: SM4500-H
36-Dissolved Calcium 56.360000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 16.900000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .510000 mg/l Method: EPA 200.
48-Dissolved Sodium 1.680000 mg/l Method: EPA 200.
51-Acidity as CaCO3 8.000000 mg/l Method: ASTM 106
53-Chloride 1.000000 mg/l Method: EPA 300.
60-Sulfate 5.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 181.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 210.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 428.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 235.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 181.000000 mg/l Method: SM2320-B
This Parameter is out by 3.09 Standard Deviations(STD). One STD is 4.35 with a mean of 194.43.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 4.300000 meq/l Method: SM1030
134-Total Anions 3.800000 meq/l Method: SM1030
135-Cation/Anion Balance 6.400000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: MF 19B

Laboratory: SGS 5980042702 Period:OPER
Sample Date: 07/09/2008 Time: 10:45 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 9.500000 Deg. C Method: NONE
2-pH (fld) 8.540000 pH units Method: NONE
4-Sp. Conductivity (fld) 380.000000 umhos/cm Method: NONE
11-Flow 1.800000 GPM Method: ALL OTHE
14-pH (lab) 8.520000 pH units Method: SM4500-H
36-Dissolved Calcium 64.320000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 17.980000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .380000 mg/l Method: EPA 200.
48-Dissolved Sodium 1.750000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 1.000000 mg/l Method: EPA 300.
60-Sulfate 6.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 212.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 235.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 444.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 256.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 212.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 4.800000 meq/l Method: SM1030
134-Total Anions 4.400000 meq/l Method: SM1030
135-Cation/Anion Balance 4.000000 PC DIFF Method: PC. DIFF
145-Total Iron .310000 mg/l Method: EPA 200.
149-Total Manganese .014000 mg/l Method: EPA 200.

SITE: MF 213

Laboratory: SGS 5980042704 Period:OPER
Sample Date: 07/09/2008 Time: 14:05 Reported: 07/24/2008 Received: 07/10/2008

1-Field Water Temperature		9.400000 Deg. C	Method: NONE
2-pH (fld)		8.190000 pH units	Method: NONE
4-Sp. Conductivity (fld)		446.000000 umhos/cm	Method: NONE
11-Flow		58.300000 GPM	Method: ALL OTHE

This Parameter is out by 2.02 Standard Deviations(STD). One STD is 15.74 with a mean of 26.51.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

14-pH (lab)		8.070000 pH units	Method: SM4500-H
36-Dissolved Calcium		65.630000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		28.900000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.930000 mg/l	Method: EPA 200.
48-Dissolved Sodium		4.920000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		11.000000 mg/l	Method: ASTM 106
53-Chloride		3.000000 mg/l	Method: EPA 300.
60-Sulfate		24.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		241.000000 mg/l	Method: SM2320-B

This Parameter is out by 4.34 Standard Deviations(STD). One STD is 4.38 with a mean of 260.00.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

63-Total Hardness as CaCO3		283.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		530.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		302.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		241.000000 mg/l	Method: SM2320-B

This Parameter is out by 3.56 Standard Deviations(STD). One STD is 4.54 with a mean of 257.14.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		5.900000 meq/l	Method: SM1030
134-Total Anions		5.400000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.500000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: MF 219

Laboratory: SGS 5980043311 Period:OPER
Sample Date: 07/10/2008 Time: 11:45 Reported: 07/24/2008 Received: 07/11/2008

1-Field Water Temperature		3.800000 Deg. C	Method: NONE
2-pH (fld)		7.830000 pH units	Method: NONE
4-Sp. Conductivity (fld)		384.000000 umhos/cm	Method: NONE
11-Flow		2.000000 GPM	Method: ALL OTHE
14-pH (lab)		7.870000 pH units	Method: SM4500-H
36-Dissolved Calcium		62.900000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		22.180000 mg/l	Method: EPA 200.
43-Dissolved Manganese		.003000 mg/l	Method: EPA 200.
45-Dissolved Potassium		1.140000 mg/l	Method: EPA 200.
48-Dissolved Sodium		2.310000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		13.000000 mg/l	Method: ASTM 106
53-Chloride		2.000000 mg/l	Method: EPA 300.
60-Sulfate		19.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		210.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		248.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		466.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		266.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		210.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		5.100000 meq/l	Method: SM1030
134-Total Anions		4.700000 meq/l	Method: SM1030

135-Cation/Anion Balance 4.500000 PC DIFF Method: PC. DIFF
145-Total Iron .070000 mg/l Method: EPA 200.
149-Total Manganese .003000 mg/l Method: EPA 200.

SITE: MF 7

Laboratory: SGS 5980042703 Period:OPER
Sample Date: 07/09/2008 Time: 13:10 Reported: 07/24/2008 Received: 07/10/2008
1-Field Water Temperature 5.400000 Deg. C Method: NONE
2-pH (fld) 7.830000 pH units Method: NONE
4-Sp. Conductivity (fld) 483.000000 umhos/cm Method: NONE
11-Flow 34.700000 GPM Method: ALL OTHE
14-pH (lab) 7.830000 pH units Method: SM4500-H
36-Dissolved Calcium 71.710000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 29.660000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.040000 mg/l Method: EPA 200.
48-Dissolved Sodium 6.230000 mg/l Method: EPA 200.
51-Acidity as CaCO3 11.000000 mg/l Method: ASTM 106
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 41.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 242.000000 mg/l Method: SM2320-B
This Parameter is out by 2.23 Standard Deviations(STD). One STD is 7.43 with a mean of 258.57.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
63-Total Hardness as CaCO3 301.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 556.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 319.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 242.000000 mg/l Method: SM2320-B
This Parameter is out by 2.36 Standard Deviations(STD). One STD is 6.60 with a mean of 257.57.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 6.300000 meq/l Method: SM1030
134-Total Anions 5.800000 meq/l Method: SM1030
135-Cation/Anion Balance 4.500000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: MFR-10

Laboratory: SGS 5980043312 Period:OPER
Sample Date: 07/10/2008 Time: 13:05 Reported: 07/24/2008 Received: 07/11/2008
1-Field Water Temperature 5.300000 Deg. C Method: NONE
2-pH (fld) 7.650000 pH units Method: NONE
4-Sp. Conductivity (fld) 467.000000 umhos/cm Method: NONE
11-Flow 29.100000 GPM Method: ALL OTHE
This Parameter is out by 4.07 Standard Deviations(STD). One STD is 5.30 with a mean of 7.53.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
14-pH (lab) 7.700000 pH units Method: SM4500-H
36-Dissolved Calcium 80.410000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 25.340000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .480000 mg/l Method: EPA 200.
48-Dissolved Sodium 3.570000 mg/l Method: EPA 200.
51-Acidity as CaCO3 15.000000 mg/l Method: ASTM 106
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 17.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 262.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 305.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 556.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 308.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 262.000000 mg/l Method: SM2320-B

72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		6.300000 meq/l	Method: SM1030
134-Total Anions		5.700000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.900000 PC DIFF	Method: PC. DIFF
145-Total Iron		.120000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: MFR-30

Laboratory: SGS 5980043301 Period:OPER
Sample Date: 07/10/2008 Time: 13:35 Reported: 07/22/2008 Received: 07/11/2008

1-Field Water Temperature		5.400000 Deg. C	Method: NONE
2-pH (fld)		7.700000 pH units	Method: NONE
Comments: Should be pH			
4-Sp. Conductivity (fld)		486.000000 umhos/cm	Method: NONE
11-Flow		2.300000 GPM	Method: ALL OTHE
14-pH (lab)		7.780000 pH units	Method: SM4500-H
36-Dissolved Calcium		89.220000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		25.190000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.810000 mg/l	Method: EPA 200.
48-Dissolved Sodium		11.910000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		12.000000 mg/l	Method: ASTM 106
53-Chloride		3.000000 mg/l	Method: EPA 300.
60-Sulfate		32.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		287.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		327.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		635.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		374.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		287.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		7.100000 meq/l	Method: SM1030
134-Total Anions		6.500000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.300000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: MINE SITE 4

Laboratory: SGS 5980060801 Period:OPER
Sample Date: 09/23/2008 Time: 14:10 Reported: 10/07/2008 Received: 09/23/2008

1-Field Water Temperature		13.500000 Deg. C	Method: NONE
2-pH (fld)		8.180000 pH units	Method: NONE
4-Sp. Conductivity (fld)		2560.000000 umhos/cm	Method: NONE
11-Flow		1.430000 GPM	Method: ALL OTHE
14-pH (lab)		8.110000 pH units	Method: SM4500-H
19-Oil/Grease	<	5.000000 mg/l	Method: EPA 1664
31-Ammonia as N	<	.100000 mg/l	Method: SM4500-B
32-Dissolved Arsenic	<	.010000 mg/l	Method: EPA 200.
35-Dissolved Cadmium	<	.001000 mg/l	Method: EPA 200.
36-Dissolved Calcium		232.520000 mg/l	Method: EPA 200.
39-Dissolved Copper		.010000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
41-Dissolved Lead	<	.010000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		258.610000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		15.780000 mg/l	Method: EPA 200.
48-Dissolved Sodium		37.030000 mg/l	Method: EPA 200.
49-Dissolved Zinc	<	.004000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		16.000000 mg/l	Method: ASTM 106
53-Chloride		26.000000 mg/l	Method: EPA 300.
56-Nitrate as N		2.950000 mg/l	Method: EPA 300.
57-Nitrite as N	<	.050000 mg/l	Method: EPA 300.
58-Ortho. Phosphate	<	.050000 mg/l	Method: EPA 300.
60-Sulfate		1243.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		381.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		1646.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		2560.000000 umhos/cm	Method: SM2510-B

68-Total Dissolved Solids @ 180 C 2329.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 381.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
113-Dissolved Aluminum < .030000 mg/l Method: EPA 200.
129-Dissolved Molybdenum < .005000 mg/l Method: EPA 200.
133-Total Cations 34.900000 meq/l Method: SM1030
134-Total Anions 34.200000 meq/l Method: SM1030
135-Cation/Anion Balance 1.000000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: NEWUA METER-2

NO ACCESS Date: 07/07/2008 Time: 11:45

NO ACCESS Date: 08/18/2008 Time: 12:00

NO FLOW Date: 09/22/2008 Time: 12:00

SITE: NEWUA METER-3

Laboratory: FLD 20080707-I Period:OPER
Sample Date: 07/07/2008 Time: 11:49 Reported: Received:
11-Flow 10.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080818-F Period:OPER
Sample Date: 08/18/2008 Time: 10:48 Reported: Received:
11-Flow 10.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980060307 Period:OPER
Sample Date: 09/22/2008 Time: 13:19 Reported: 10/03/2008 Received: 09/22/2008
1-Field Water Temperature 7.800000 Deg. C Method: NONE
2-pH (fld) 7.050000 pH units Method: NONE
3-Dissolved Oxygen (field) 8.990000 mg/l Method: NONE
4-Sp. Conductivity (fld) 650.000000 umhos/cm Method: NONE
11-Flow 107.000000 GPM Method: ALL OTHE
14-pH (lab) 7.470000 pH units Method: SM4500-H
36-Dissolved Calcium 75.000000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 47.150000 mg/l Method: EPA 200.
43-Dissolved Manganese .005000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.810000 mg/l Method: EPA 200.
48-Dissolved Sodium 14.130000 mg/l Method: EPA 200.
51-Acidity as CaCO3 25.000000 mg/l Method: D1067-92
53-Chloride 6.000000 mg/l Method: EPA 300.
60-Sulfate 65.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 303.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 381.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 713.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 414.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 303.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 8.300000 meq/l Method: SM1030
134-Total Anions 7.600000 meq/l Method: SM1030
135-Cation/Anion Balance 4.300000 PC DIFF Method: PC. DIFF
145-Total Iron .120000 mg/l Method: EPA 200.
149-Total Manganese .005000 mg/l Method: EPA 200.

SITE: RR 15

Laboratory: SGS 5980045703 Period:OPER
Sample Date: 07/21/2008 Time: 09:50 Reported: 07/29/2008 Received: 07/21/2008
1-Field Water Temperature 3.600000 Deg. C Method: NONE
2-pH (fld) 7.830000 pH units Method: NONE
4-Sp. Conductivity (fld) 367.000000 umhos/cm Method: NONE
11-Flow 32.400000 GPM Method: ALL OTHE
This Parameter is out by 2.03 Standard Deviations(STD). One STD is 8.96 with a mean of 14.18.

Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

14-pH (lab)	7.880000	pH units	Method: SM4500-H
36-Dissolved Calcium	59.110000	mg/l	Method: EPA 200.
40-Dissolved Iron	< .030000	mg/l	Method: EPA 200.
42-Dissolved Magnesium	19.210000	mg/l	Method: EPA 200.
43-Dissolved Manganese	< .002000	mg/l	Method: EPA 200.
45-Dissolved Potassium	.660000	mg/l	Method: EPA 200.
48-Dissolved Sodium	2.760000	mg/l	Method: EPA 200.
51-Acidity as CaCO3	10.000000	mg/l	Method: ASTM 106
53-Chloride	1.000000	mg/l	Method: EPA 300.
60-Sulfate	6.000000	mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	210.000000	mg/l	Method: SM2320-B
63-Total Hardness as CaCO3	227.000000	mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	436.000000	umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	250.000000	mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	210.000000	mg/l	Method: SM2320-B
72-Carbonate as CaCO3	< 5.000000	mg/l	Method: SM2320-B
133-Total Cations	4.700000	meq/l	Method: SM1030
134-Total Anions	4.400000	meq/l	Method: SM1030
135-Cation/Anion Balance	3.400000	PC DIFF	Method: PC. DIFF
145-Total Iron	< .050000	mg/l	Method: EPA 200.
149-Total Manganese	< .002000	mg/l	Method: EPA 200.

SITE: RR 23A

Laboratory: SGS 5980045702 Period:OPER
Sample Date: 07/21/2008 Time: 09:12 Reported: 07/29/2008 Received: 07/21/2008

1-Field Water Temperature	4.100000	Deg. C	Method: NONE
2-pH (fld)	7.510000	pH units	Method: NONE
4-Sp. Conductivity (fld)	392.000000	umhos/cm	Method: NONE
11-Flow	8.700000	GPM	Method: ALL OTHE
14-pH (lab)	7.610000	pH units	Method: SM4500-H
36-Dissolved Calcium	69.010000	mg/l	Method: EPA 200.
40-Dissolved Iron	< .030000	mg/l	Method: EPA 200.
42-Dissolved Magnesium	19.840000	mg/l	Method: EPA 200.
43-Dissolved Manganese	< .002000	mg/l	Method: EPA 200.
45-Dissolved Potassium	.610000	mg/l	Method: EPA 200.
48-Dissolved Sodium	2.680000	mg/l	Method: EPA 200.
51-Acidity as CaCO3	13.000000	mg/l	Method: ASTM 106

This Parameter is out by 2.96 Standard Deviations(STD). One STD is 1.96 with a mean of 7.20.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

53-Chloride	2.000000	mg/l	Method: EPA 300.
60-Sulfate	11.000000	mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	233.000000	mg/l	Method: SM2320-B
63-Total Hardness as CaCO3	254.000000	mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	519.000000	umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	288.000000	mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	233.000000	mg/l	Method: SM2320-B
72-Carbonate as CaCO3	< 5.000000	mg/l	Method: SM2320-B
133-Total Cations	5.200000	meq/l	Method: SM1030
134-Total Anions	4.900000	meq/l	Method: SM1030
135-Cation/Anion Balance	2.600000	PC DIFF	Method: PC. DIFF
145-Total Iron	< .050000	mg/l	Method: EPA 200.
149-Total Manganese	< .002000	mg/l	Method: EPA 200.

SITE: RR 5

Laboratory: SGS 5980045304 Period:OPER
Sample Date: 07/17/2008 Time: 13:00 Reported: 07/29/2008 Received: 07/17/2008

1-Field Water Temperature	4.200000	Deg. C	Method: NONE
2-pH (fld)	7.630000	pH units	Method: NONE
3-Dissolved Oxygen (field)	.000000	mg/l	Method: NONE

Comments: Parameter not required

4-Sp. Conductivity (fld)	445.000000	umhos/cm	Method: NONE
11-Flow	15.400000	GPM	Method: ALL OTHE

This Parameter is out by 2.49 Standard Deviations(STD). One STD is

4.90 with a mean of 3.21.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

14-pH (lab)		7.790000 pH units	Method: SM4500-H
36-Dissolved Calcium		62.720000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		16.410000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.410000 mg/l	Method: EPA 200.
48-Dissolved Sodium		1.680000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		10.000000 mg/l	Method: ASTM 106
53-Chloride		2.000000 mg/l	Method: EPA 300.
60-Sulfate		8.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		198.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		224.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		407.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		257.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		198.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		4.600000 meq/l	Method: SM1030
134-Total Anions		4.200000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.600000 PC DIFF	Method: PC. DIFF
145-Total Iron		.100000 mg/l	Method: EPA 200.
149-Total Manganese		.007000 mg/l	Method: EPA 200.

SITE: SHEBA SPRINGS

Laboratory: SGS 5980042716 Period:OPER
Sample Date: 07/09/2008 Time: 14:49 Reported: 07/24/2008 Received: 07/10/2008

1-Field Water Temperature		7.800000 Deg. C	Method: NONE
2-pH (fld)		7.200000 pH units	Method: NONE
4-Sp. Conductivity (fld)		458.000000 umhos/cm	Method: NONE
11-Flow		2.800000 GPM	Method: ALL OTHE
14-pH (lab)		7.530000 pH units	Method: SM4500-H
36-Dissolved Calcium		80.350000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		10.550000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium	<	.140000 mg/l	Method: EPA 200.
48-Dissolved Sodium		2.880000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		16.000000 mg/l	Method: ASTM 106
53-Chloride		2.000000 mg/l	Method: EPA 300.
60-Sulfate		4.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		225.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		244.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		473.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		256.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		225.000000 mg/l	Method: SM2320-B

This Parameter is out by 2.27 Standard Deviations(STD). One STD is 11.29 with a mean of 250.67.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		5.000000 meq/l	Method: SM1030
134-Total Anions		4.600000 meq/l	Method: SM1030
135-Cation/Anion Balance		3.700000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

Laboratory: FLD 20080821-3 Period:OPER
Sample Date: 08/21/2008 Time: 14:33 Reported: Received:

11-Flow		1.500000 GPM	Method: ALL OTHE

Laboratory: FLD 20080925-5 Period:OPER
Sample Date: 09/25/2008 Time: 14:02 Reported: Received:

11-Flow		.750000 GPM	Method: ALL OTHE

SITE: SP1-26

Laboratory: SGS 5980043310 Period:OPER
Sample Date: 07/10/2008 Time: 11:05 Reported: 07/24/2008 Received: 07/11/2008

1-Field Water Temperature		3.900000 Deg. C	Method: NONE
2-pH (fld)		7.780000 pH units	Method: NONE
4-Sp. Conductivity (fld)		353.000000 umhos/cm	Method: NONE
11-Flow		28.600000 GPM	Method: ALL OTHE

This Parameter is out by 2.34 Standard Deviations(STD). One STD is 8.20 with a mean of 9.36.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

14-pH (lab)		7.780000 pH units	Method: SM4500-H
36-Dissolved Calcium		59.840000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		15.350000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.690000 mg/l	Method: EPA 200.
48-Dissolved Sodium		2.000000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		15.000000 mg/l	Method: ASTM 106
53-Chloride		3.000000 mg/l	Method: EPA 300.
60-Sulfate		6.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		189.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		213.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		422.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		243.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		189.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		4.400000 meq/l	Method: SM1030
134-Total Anions		4.000000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.300000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: SP1-29

Laboratory: SGS 5980043309 Period:OPER
Sample Date: 07/10/2008 Time: 10:26 Reported: 07/24/2008 Received: 07/11/2008

1-Field Water Temperature		3.800000 Deg. C	Method: NONE
2-pH (fld)		8.080000 pH units	Method: NONE
4-Sp. Conductivity (fld)		375.000000 umhos/cm	Method: NONE
11-Flow		.950000 GPM	Method: ALL OTHE
14-pH (lab)		7.710000 pH units	Method: SM4500-H
36-Dissolved Calcium		71.230000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		22.290000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		1.090000 mg/l	Method: EPA 200.
48-Dissolved Sodium		2.640000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		19.000000 mg/l	Method: ASTM 106
53-Chloride		2.000000 mg/l	Method: EPA 300.
60-Sulfate		6.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		243.000000 mg/l	Method: SM2320-B

This Parameter is out by 2.20 Standard Deviations(STD). One STD is 7.29 with a mean of 259.00.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

63-Total Hardness as CaCO3		270.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		496.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		273.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		243.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		5.500000 meq/l	Method: SM1030
134-Total Anions		5.000000 meq/l	Method: SM1030
135-Cation/Anion Balance		4.600000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: TED'S TUB

Laboratory: SGS 5980043313 Period:OPER

Sample Date: 07/10/2008 Time: 10:21 Reported: 07/24/2008 Received: 07/11/2008

1-Field Water Temperature		5.300000 Deg. C	Method: NONE
2-pH (fld)		7.830000 pH units	Method: NONE
4-Sp. Conductivity (fld)		498.000000 umhos/cm	Method: NONE
11-Flow		32.000000 GPM	Method: ALL OTHE
14-pH (lab)		7.800000 pH units	Method: SM4500-H
36-Dissolved Calcium		70.270000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		22.840000 mg/l	Method: EPA 200.
43-Dissolved Manganese		.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.350000 mg/l	Method: EPA 200.
48-Dissolved Sodium		8.810000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		16.000000 mg/l	Method: ASTM 106

This Parameter is out by 2.29 Standard Deviations(STD). One STD is 3.38 with a mean of 8.29.

Warning: 39 - Std. Dev. is greater than 2, verify value.

Comment: Value as reported

53-Chloride		2.000000 mg/l	Method: EPA 300.
60-Sulfate		8.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		257.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		270.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		519.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		285.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		257.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		5.800000 meq/l	Method: SM1030
134-Total Anions		5.400000 meq/l	Method: SM1030
135-Cation/Anion Balance		3.800000 PC DIFF	Method: PC. DIFF
145-Total Iron		.230000 mg/l	Method: EPA 200.
149-Total Manganese		.005000 mg/l	Method: EPA 200.

SITE: UJV 101

Laboratory: SGS 5980045704 Period:OPER

Sample Date: 07/21/2008 Time: 11:13 Reported: 07/29/2008 Received: 07/21/2008

1-Field Water Temperature		5.900000 Deg. C	Method: NONE
2-pH (fld)		7.320000 pH units	Method: NONE

This Parameter is out by 2.16 Standard Deviations(STD). One STD is 0.44 with a mean of 8.28.

Warning: 39 - Std. Dev. is greater than 2, verify value.

Comment: Value as reported

4-Sp. Conductivity (fld)		514.000000 umhos/cm	Method: NONE
11-Flow		1.300000 GPM	Method: ALL OTHE
14-pH (lab)		7.620000 pH units	Method: SM4500-H
36-Dissolved Calcium		68.410000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		22.130000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		1.070000 mg/l	Method: EPA 200.
48-Dissolved Sodium		5.600000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		15.000000 mg/l	Method: ASTM 106
53-Chloride		4.000000 mg/l	Method: EPA 300.
60-Sulfate		35.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		224.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		262.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		523.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		302.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		224.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		5.500000 meq/l	Method: SM1030
134-Total Anions		5.300000 meq/l	Method: SM1030
135-Cation/Anion Balance		1.700000 PC DIFF	Method: PC. DIFF
145-Total Iron	<	.050000 mg/l	Method: EPA 200.
149-Total Manganese	<	.002000 mg/l	Method: EPA 200.

SITE: UJV 206

Laboratory: SGS 5980045301 Period:OPER

Sample Date: 07/17/2008 Time: 10:10 Reported: 07/29/2008 Received: 07/17/2008

1-Field Water Temperature 5.800000 Deg. C Method: NONE
2-pH (fld) 8.110000 pH units Method: NONE
3-Dissolved Oxygen (field) .000000 mg/l Method: NONE
Comments: Parameter not required
4-Sp. Conductivity (fld) 556.000000 umhos/cm Method: NONE
11-Flow 3.400000 GPM Method: ALL OTHE
14-pH (lab) 8.100000 pH units Method: SM4500-H
36-Dissolved Calcium 69.010000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 23.930000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.520000 mg/l Method: EPA 200.
48-Dissolved Sodium 6.440000 mg/l Method: EPA 200.
51-Acidity as CaCO3 10.000000 mg/l Method: ASTM 106
53-Chloride 6.000000 mg/l Method: EPA 300.
60-Sulfate 27.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 237.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 271.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 504.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 314.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 237.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 5.700000 meq/l Method: SM1030
134-Total Anions 5.500000 meq/l Method: SM1030
135-Cation/Anion Balance 2.500000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: UJV 213

Laboratory: SGS 5980045701 Period:OPER
Sample Date: 07/21/2008 Time: 09:46 Reported: 07/29/2008 Received: 07/21/2008
1-Field Water Temperature 6.500000 Deg. C Method: NONE
2-pH (fld) 7.940000 pH units Method: NONE
4-Sp. Conductivity (fld) 543.000000 umhos/cm Method: NONE
11-Flow 2.100000 GPM Method: ALL OTHE
14-pH (lab) 7.800000 pH units Method: SM4500-H
36-Dissolved Calcium 67.020000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 21.720000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .970000 mg/l Method: EPA 200.
48-Dissolved Sodium 7.490000 mg/l Method: EPA 200.
51-Acidity as CaCO3 13.000000 mg/l Method: ASTM 106
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 39.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 225.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 257.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 483.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 320.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 225.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 5.500000 meq/l Method: SM1030
134-Total Anions 5.400000 meq/l Method: SM1030
135-Cation/Anion Balance .600000 PC DIFF Method: PC. DIFF
145-Total Iron .310000 mg/l Method: EPA 200.
149-Total Manganese .007000 mg/l Method: EPA 200.

SITE TYPE: Stream
SITE: DCR01

Laboratory: FLD 20080707-2 Period:OPER
Sample Date: 07/07/2008 Time: 12:27 Reported: Received:
11-Flow 152.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080818-1 Period:OPER
Sample Date: 08/18/2008 Time: 11:32 Reported: Received:
11-Flow 70.000000 GPM Method: ALL OTHE

NO FLOW Date: 09/22/2008 Time: 12:00

SITE: DCR04

Laboratory: FLD 20080707-3 Period:OPER
Sample Date: 07/07/2008 Time: 12:40 Reported: Received:

11-Flow	1542.000000 GPM	Method: ALL OTHE

Laboratory: FLD 20080818-2 Period:OPER
Sample Date: 08/18/2008 Time: 11:39 Reported: Received:

11-Flow	1934.000000 GPM	Method: ALL OTHE

Laboratory: SGS 5980060305 Period:OPER
Sample Date: 09/22/2008 Time: 14:20 Reported: 10/02/2008 Received: 09/22/2008

1-Field Water Temperature	13.800000 Deg. C	Method: NONE
2-pH (fld)	8.350000 pH units	Method: NONE
3-Dissolved Oxygen (field)	8.900000 mg/l	Method: NONE
4-Sp. Conductivity (fld)	755.000000 umhos/cm	Method: NONE
11-Flow	1651.000000 GPM	Method: ALL OTHE
14-pH (lab)	8.380000 pH units	Method: SM4500-H
16-Total Suspended Solids	< 5.000000 mg/l	Method: SM2540-D
19-Oil/Grease	< 5.000000 mg/l	Method: EPA 1664
36-Dissolved Calcium	61.820000 mg/l	Method: EPA 200.
40-Dissolved Iron	< .030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium	48.320000 mg/l	Method: EPA 200.
43-Dissolved Manganese	.005000 mg/l	Method: EPA 200.
45-Dissolved Potassium	5.010000 mg/l	Method: EPA 200.
48-Dissolved Sodium	31.560000 mg/l	Method: EPA 200.
51-Acidity as CaCO3	< 5.000000 mg/l	Method: ASTM 106
53-Chloride	26.000000 mg/l	Method: EPA 300.
60-Sulfate	85.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	263.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3	353.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	773.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	431.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	263.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	< 5.000000 mg/l	Method: SM2320-B
133-Total Cations	8.600000 meq/l	Method: SM1030
134-Total Anions	7.800000 meq/l	Method: SM1030
135-Cation/Anion Balance	4.900000 PC DIFF	Method: PC. DIFF
145-Total Iron	.080000 mg/l	Method: EPA 200.
149-Total Manganese	.008000 mg/l	Method: EPA 200.

SITE: DCR06

Laboratory: FLD 20080707-4 Period:OPER
Sample Date: 07/07/2008 Time: 12:50 Reported: Received:

11-Flow	1460.000000 GPM	Method: ALL OTHE

Laboratory: FLD 20080818-3 Period:OPER
Sample Date: 08/18/2008 Time: 11:47 Reported: Received:

11-Flow	1850.000000 GPM	Method: ALL OTHE

Laboratory: SGS 5980060304 Period:OPER
Sample Date: 09/22/2008 Time: 14:35 Reported: 10/02/2008 Received: 09/22/2008

1-Field Water Temperature	16.600000 Deg. C	Method: NONE
2-pH (fld)	8.550000 pH units	Method: NONE
3-Dissolved Oxygen (field)	8.150000 mg/l	Method: NONE
4-Sp. Conductivity (fld)	782.000000 umhos/cm	Method: NONE
11-Flow	1571.000000 GPM	Method: ALL OTHE
14-pH (lab)	8.610000 pH units	Method: SM4500-H
16-Total Suspended Solids	6.000000 mg/l	Method: SM2540-D
19-Oil/Grease	< 5.000000 mg/l	Method: EPA 1664
36-Dissolved Calcium	49.550000 mg/l	Method: EPA 200.
40-Dissolved Iron	< .030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium	48.880000 mg/l	Method: EPA 200.
43-Dissolved Manganese	< .002000 mg/l	Method: EPA 200.
45-Dissolved Potassium	4.820000 mg/l	Method: EPA 200.
48-Dissolved Sodium	50.470000 mg/l	Method: EPA 200.

51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 53.000000 mg/l Method: EPA 300.
60-Sulfate 93.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 240.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 325.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 827.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 466.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 229.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 10.000000 mg/l Method: SM2320-B
133-Total Cations 8.800000 meq/l Method: SM1030
134-Total Anions 8.200000 meq/l Method: SM1030
135-Cation/Anion Balance 3.500000 PC DIFF Method: PC. DIFF
145-Total Iron .070000 mg/l Method: EPA 200.
149-Total Manganese .003000 mg/l Method: EPA 200.

SITE: HCC01

Laboratory: FLD 20080707-B Period:OPER
Sample Date: 07/07/2008 Time: 12:00 Reported: Received:
11-Flow 134.000000 CFS Method: ALL OTHE

Laboratory: FLD 20080818-9 Period:OPER
Sample Date: 08/18/2008 Time: 12:00 Reported: Received:
11-Flow 82.900000 CFS Method: ALL OTHE

Laboratory: SGS 5980060501 Period:OPER
Sample Date: 09/23/2008 Time: 10:21 Reported: 10/01/2008 Received: 09/23/2008
1-Field Water Temperature 7.900000 Deg. C Method: NONE
2-pH (fld) 8.340000 pH units Method: NONE
3-Dissolved Oxygen (field) 11.680000 mg/l Method: NONE
4-Sp. Conductivity (fld) 420.000000 umhos/cm Method: NONE
11-Flow 48.000000 CFS Method: ALL OTHE
14-pH (lab) 8.580000 pH units Method: SM4500-H
16-Total Suspended Solids 6.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 54.750000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 19.100000 mg/l Method: EPA 200.
43-Dissolved Manganese .003000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.480000 mg/l Method: EPA 200.
48-Dissolved Sodium 6.960000 mg/l Method: EPA 200.
51-Acidity as CaCO3 20.000000 mg/l Method: ASTM 106
53-Chloride 9.000000 mg/l Method: EPA 300.
60-Sulfate 32.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 172.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 215.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 452.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 250.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 168.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 4.600000 meq/l Method: SM1030
134-Total Anions 4.300000 meq/l Method: SM1030
135-Cation/Anion Balance 3.400000 PC DIFF Method: PC. DIFF
145-Total Iron .150000 mg/l Method: EPA 200.
149-Total Manganese .012000 mg/l Method: EPA 200.

SITE: HCC02

Laboratory: SGS 5980060504 Period:OPER
Sample Date: 09/23/2008 Time: 10:09 Reported: 10/01/2008 Received: 09/23/2008
1-Field Water Temperature 6.300000 Deg. C Method: NONE
2-pH (fld) 8.200000 pH units Method: NONE
3-Dissolved Oxygen (field) 9.300000 mg/l Method: NONE
4-Sp. Conductivity (fld) 440.000000 umhos/cm Method: NONE
11-Flow 48.000000 CFS Method: ALL OTHE
14-pH (lab) 8.660000 pH units Method: SM4500-H
16-Total Suspended Solids 7.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 54.480000 mg/l Method: EPA 200.

40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 19.550000 mg/l Method: EPA 200.
43-Dissolved Manganese .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.420000 mg/l Method: EPA 200.
48-Dissolved Sodium 7.620000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 10.000000 mg/l Method: EPA 300.
60-Sulfate 34.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 173.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 217.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 468.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 263.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 172.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 4.700000 meq/l Method: SM1030
134-Total Anions 4.400000 meq/l Method: SM1030
135-Cation/Anion Balance 2.800000 PC DIFF Method: PC. DIFF
145-Total Iron .150000 mg/l Method: EPA 200.
149-Total Manganese .012000 mg/l Method: EPA 200.

SITE: HCC04

Laboratory: SGS 5980060503 Period:OPER
Sample Date: 09/23/2008 Time: 09:53 Reported: 10/01/2008 Received: 09/23/2008
1-Field Water Temperature 8.500000 Deg. C Method: NONE
2-pH (fld) 8.350000 pH units Method: NONE
3-Dissolved Oxygen (field) 10.500000 mg/l Method: NONE
4-Sp. Conductivity (fld) 482.000000 umhos/cm Method: NONE
11-Flow 48.000000 CFS Method: ALL OTHE
14-pH (lab) 8.540000 pH units Method: SM4500-H
16-Total Suspended Solids 9.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 55.470000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 21.370000 mg/l Method: EPA 200.
43-Dissolved Manganese .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.610000 mg/l Method: EPA 200.
48-Dissolved Sodium 9.480000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 12.000000 mg/l Method: EPA 300.
60-Sulfate 39.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 179.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 227.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 490.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 270.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 175.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 5.000000 meq/l Method: SM1030
134-Total Anions 4.700000 meq/l Method: SM1030
135-Cation/Anion Balance 2.700000 PC DIFF Method: PC. DIFF
145-Total Iron .160000 mg/l Method: EPA 200.
149-Total Manganese .012000 mg/l Method: EPA 200.

SITE: MF-A

Laboratory: FLD 20080707-J Period:OPER
Sample Date: 07/07/2008 Time: 09:20 Reported: Received:
11-Flow 310.000000 GPM Method: ALL OTHE

NO FLOW Date: 08/15/2008 Time: 12:15

NO FLOW Date: 09/22/2008 Time: 12:00

SITE: MF-B

Laboratory: FLD 20080707-K Period:OPER
Sample Date: 07/07/2008 Time: 09:45 Reported: Received:
11-Flow 400.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080815-1 Period:OPER
Sample Date: 08/15/2008 Time: 12:24 Reported: Received:
11-Flow 103.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980060302 Period:OPER
Sample Date: 09/22/2008 Time: 11:06 Reported: 10/02/2008 Received: 09/22/2008
1-Field Water Temperature 9.000000 Deg. C Method: NONE
2-pH (fld) 8.770000 pH units Method: NONE
3-Dissolved Oxygen (field) 11.350000 mg/l Method: NONE
4-Sp. Conductivity (fld) 734.000000 umhos/cm Method: NONE
11-Flow 47.600000 GPM Method: ALL OTHE
14-pH (lab) 8.520000 pH units Method: SM4500-H
16-Total Suspended Solids < 5.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 66.980000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 66.400000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 2.920000 mg/l Method: EPA 200.
48-Dissolved Sodium 16.140000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 10.000000 mg/l Method: EPA 300.
60-Sulfate 132.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 283.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 441.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 810.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 504.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 283.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 9.600000 meq/l Method: SM1030
134-Total Anions 8.700000 meq/l Method: SM1030
135-Cation/Anion Balance 5.000000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: MFU-03

Laboratory: FLD 20080707-L Period:OPER
Sample Date: 07/07/2008 Time: 09:10 Reported: Received:
11-Flow 314.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080815-2 Period:OPER
Sample Date: 08/15/2008 Time: 11:56 Reported: Received:
11-Flow 6.000000 GPM Method: ALL OTHE

NO FLOW Date: 09/22/2008 Time: 12:00

SITE: MHC 01

Laboratory: FLD 20080707-A Period:OPER
Sample Date: 07/07/2008 Time: 12:56 Reported: Received:
11-Flow 326.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080818-8 Period:OPER
Sample Date: 08/18/2008 Time: 11:52 Reported: Received:
11-Flow 92.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980060502 Period:OPER
Sample Date: 09/23/2008 Time: 10:56 Reported: 10/02/2008 Received: 09/23/2008
1-Field Water Temperature 7.800000 Deg. C Method: NONE
2-pH (fld) 7.940000 pH units Method: NONE
3-Dissolved Oxygen (field) 8.900000 mg/l Method: NONE
4-Sp. Conductivity (fld) 407.000000 umhos/cm Method: NONE
11-Flow 18.600000 GPM Method: ALL OTHE
14-pH (lab) 8.620000 pH units Method: SM4500-H
16-Total Suspended Solids 25.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 36.180000 mg/l Method: EPA 200.

40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 28.530000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.130000 mg/l Method: EPA 200.
48-Dissolved Sodium 9.840000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 3.000000 mg/l Method: EPA 300.
60-Sulfate 22.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 193.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 208.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 451.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 249.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 183.000000 mg/l Method: SM2320-B
This Parameter is out by 2.52 Standard Deviations(STD). One STD is 8.01 with a mean of 203.20.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 9.000000 mg/l Method: SM2320-B
133-Total Cations 4.600000 meq/l Method: SM1030
134-Total Anions 4.400000 meq/l Method: SM1030
135-Cation/Anion Balance 2.300000 PC DIFF Method: PC. DIFF
145-Total Iron .720000 mg/l Method: EPA 200.
149-Total Manganese .008000 mg/l Method: EPA 200.

SITE: RCF-1

Laboratory: FLD 20080707-5 Period:OPER
Sample Date: 07/07/2008 Time: 10:19 Reported: Received:
11-Flow 556.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080818-4 Period:OPER
Sample Date: 08/18/2008 Time: 09:36 Reported: Received:
11-Flow 152.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980060303 Period:OPER
Sample Date: 09/22/2008 Time: 11:53 Reported: 10/03/2008 Received: 09/22/2008
1-Field Water Temperature 8.500000 Deg. C Method: NONE
2-pH (fld) 8.150000 pH units Method: NONE
3-Dissolved Oxygen (field) 10.340000 mg/l Method: NONE
4-Sp. Conductivity (fld) 417.000000 umhos/cm Method: NONE
11-Flow 67.000000 GPM Method: ALL OTHE
14-pH (lab) 8.570000 pH units Method: SM4500-H
16-Total Suspended Solids < 5.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 51.800000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 24.030000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 1.010000 mg/l Method: EPA 200.
48-Dissolved Sodium 8.600000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 2.000000 mg/l Method: EPA 300.
60-Sulfate 24.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 198.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 228.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 453.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 252.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 198.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 5.000000 meq/l Method: SM1030
134-Total Anions 4.500000 meq/l Method: SM1030
135-Cation/Anion Balance 4.500000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: RCF2

Laboratory: FLD 20080707-7 Period:OPER
Sample Date: 07/07/2008 Time: 11:28 Reported: Received:

11-Flow 658.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080818-5 Period:OPER
Sample Date: 08/18/2008 Time: 10:39 Reported: Received:
11-Flow 90.000000 GPM Method: ALL OTHE

NO FLOW Date: 09/22/2008 Time: 12:00

SITE: RCF3

Laboratory: FLD 20080707-8 Period:OPER
Sample Date: 07/07/2008 Time: 11:43 Reported: Received:
11-Flow 633.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080818-6 Period:OPER
Sample Date: 08/18/2008 Time: 10:44 Reported: Received:
11-Flow 131.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980060306 Period:OPER
Sample Date: 09/22/2008 Time: 12:58 Reported: 10/02/2008 Received: 09/22/2008

1-Field Water Temperature		10.200000 Deg. C	Method: NONE
2-pH (fld)		7.970000 pH units	Method: NONE
3-Dissolved Oxygen (field)		8.400000 mg/l	Method: NONE
4-Sp. Conductivity (fld)		944.000000 umhos/cm	Method: NONE
11-Flow		50.000000 GPM	Method: ALL OTHE
14-pH (lab)		7.900000 pH units	Method: SM4500-H
16-Total Suspended Solids		12.000000 mg/l	Method: SM2540-D
19-Oil/Grease	<	5.000000 mg/l	Method: EPA 1664
36-Dissolved Calcium		107.020000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		64.600000 mg/l	Method: EPA 200.
43-Dissolved Manganese		.057000 mg/l	Method: EPA 200.
45-Dissolved Potassium		3.410000 mg/l	Method: EPA 200.
48-Dissolved Sodium		28.590000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		15.000000 mg/l	Method: ASTM 106
53-Chloride		9.000000 mg/l	Method: EPA 300.
60-Sulfate		178.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		360.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		533.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		1033.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		652.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		360.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	<	5.000000 mg/l	Method: SM2320-B
133-Total Cations		12.000000 meq/l	Method: SM1030
134-Total Anions		11.200000 meq/l	Method: SM1030
135-Cation/Anion Balance		3.500000 PC DIFF	Method: PC. DIFF
145-Total Iron		.810000 mg/l	Method: EPA 200.
149-Total Manganese		.066000 mg/l	Method: EPA 200.

SITE: RCLF1

Laboratory: FLD 20080707-6 Period:OPER
Sample Date: 07/07/2008 Time: 11:05 Reported: Received:
11-Flow 21.400000 GPM Method: ALL OTHE

NO FLOW Date: 08/18/2008 Time: 12:00

NO FLOW Date: 09/22/2008 Time: 12:00

SITE: RCLF2

Laboratory: FLD 20080707-H Period:OPER
Sample Date: 07/07/2008 Time: 10:50 Reported: Received:
11-Flow 32.600000 GPM Method: ALL OTHE

NO FLOW Date: 08/18/2008 Time: 12:00

NO FLOW Date: 09/22/2008 Time: 12:00

SITE: RCW4

Laboratory: FLD 20080707-9 Period:OPER
Sample Date: 07/07/2008 Time: 12:08 Reported: Received:
11-Flow 817.000000 GPM Method: ALL OTHE

Laboratory: FLD 20080818-7 Period:OPER
Sample Date: 08/18/2008 Time: 10:56 Reported: Received:
11-Flow 203.000000 GPM Method: ALL OTHE

Laboratory: SGS 5980060301 Period:OPER
Sample Date: 09/22/2008 Time: 13:41 Reported: 10/02/2008 Received: 09/22/2008
1-Field Water Temperature 9.800000 Deg. C Method: NONE
2-pH (fld) 8.270000 pH units Method: NONE
3-Dissolved Oxygen (field) 10.800000 mg/l Method: NONE
4-Sp. Conductivity (fld) 1565.000000 umhos/cm Method: NONE
This Parameter is out by 2.88 Standard Deviations(STD). One STD is 273.81 with a mean of 775.91.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
11-Flow 140.500000 GPM Method: ALL OTHE
14-pH (lab) 8.260000 pH units Method: SM4500-H
16-Total Suspended Solids < 5.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 146.570000 mg/l Method: EPA 200.
This Parameter is out by 2.02 Standard Deviations(STD). One STD is 30.51 with a mean of 85.06.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 136.170000 mg/l Method: EPA 200.
This Parameter is out by 2.08 Standard Deviations(STD). One STD is 33.70 with a mean of 66.04.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 5.290000 mg/l Method: EPA 200.
This Parameter is out by 2.24 Standard Deviations(STD). One STD is 1.07 with a mean of 2.89.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
48-Dissolved Sodium 34.290000 mg/l Method: EPA 200.
51-Acidity as CaCO3 10.000000 mg/l Method: ASTM 106
53-Chloride 14.000000 mg/l Method: EPA 300.
60-Sulfate 569.000000 mg/l Method: EPA 300.
This Parameter is out by 2.48 Standard Deviations(STD). One STD is 160.19 with a mean of 171.09.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
62-Total Alkalinity as CaCO3 309.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 927.000000 mg/l Method: SM2340-B
This Parameter is out by 2.60 Standard Deviations(STD). One STD is 177.51 with a mean of 466.22.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
67-Specific Conductivity (Lab) 1577.000000 umhos/cm Method: SM2510-B
This Parameter is out by 2.03 Standard Deviations(STD). One STD is 354.35 with a mean of 858.50.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
68-Total Dissolved Solids @ 180 C 1197.000000 mg/l Method: SM2540-C
This Parameter is out by 2.34 Standard Deviations(STD). One STD is 270.81 with a mean of 562.18.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
71-Bicarbonate as CaCO3 309.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 20.100000 meq/l Method: SM1030
This Parameter is out by 2.50 Standard Deviations(STD). One STD is

3.93 with a mean of 10.29.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
134-Total Anions 18.400000 meq/l Method: SM1030
This Parameter is out by 2.14 Standard Deviations(STD). One STD is 3.78 with a mean of 10.30.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
135-Cation/Anion Balance 4.400000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE TYPE: UPDES Permit discharge point
SITE: UT0023604-001

NO FLOW Date: 07/01/2008 Time: 09:15

Laboratory: SGS 5980049201 Period:UPDS
Sample Date: 08/05/2008 Time: 09:15 Reported: 08/12/2008 Received: 08/05/2008
1-Field Water Temperature 15.700000 Deg. C Method: NONE
2-pH (fld) 8.040000 pH units Method: NONE
4-Sp. Conductivity (fld) 1340.000000 umhos/cm Method: NONE
11-Flow 45.400000 GPM Method: ALL OTHE
14-pH (lab) 8.190000 pH units Method: SM4500-H
16-Total Suspended Solids 27.000000 mg/l Method: SM2540-D
36-Dissolved Calcium 87.060000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 66.190000 mg/l Method: EPA 200.
43-Dissolved Manganese .004000 mg/l Method: EPA 200.
45-Dissolved Potassium 6.640000 mg/l Method: EPA 200.
48-Dissolved Sodium 106.500000 mg/l Method: EPA 200.
53-Chloride 166.000000 mg/l Method: EPA 300.
60-Sulfate 169.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 326.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 490.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 1446.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 866.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 326.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
113-Dissolved Aluminum < .030000 mg/l Method: EPA 200.
133-Total Cations 14.600000 meq/l Method: SM1030
134-Total Anions 14.700000 meq/l Method: SM1030
135-Cation/Anion Balance .400000- PC DIFF Method: PC. DIFF
136-Total Aluminum .390000 mg/l Method: EPA 200.
145-Total Iron .280000 mg/l Method: EPA 200.
149-Total Manganese .012000 mg/l Method: EPA 200.

Laboratory: SGS 5980054702 Period:UPDS
Sample Date: 08/25/2008 Time: 14:55 Reported: 09/02/2008 Received: 08/25/2008
1-Field Water Temperature 12.900000 Deg. C Method: NONE
2-pH (fld) 7.860000 pH units Method: NONE
4-Sp. Conductivity (fld) 1080.000000 umhos/cm Method: NONE
11-Flow 53.900000 GPM Method: ALL OTHE
14-pH (lab) 8.240000 pH units Method: SM4500-H
16-Total Suspended Solids 28.000000 mg/l Method: SM2540-D
36-Dissolved Calcium 78.290000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 58.750000 mg/l Method: EPA 200.
43-Dissolved Manganese .006000 mg/l Method: EPA 200.
45-Dissolved Potassium 6.100000 mg/l Method: EPA 200.
48-Dissolved Sodium 71.050000 mg/l Method: EPA 200.
53-Chloride 99.000000 mg/l Method: EPA 300.
60-Sulfate 133.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 308.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 437.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 1219.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 604.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 308.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
113-Dissolved Aluminum < .030000 mg/l Method: EPA 200.

133-Total Cations	12.000000 meq/l	Method: SM1030
134-Total Anions	11.700000 meq/l	Method: SM1030
135-Cation/Anion Balance	1.100000 PC DIFF	Method: PC. DIFF
136-Total Aluminum	.490000 mg/l	Method: EPA 200.
145-Total Iron	.340000 mg/l	Method: EPA 200.
149-Total Manganese	.008000 mg/l	Method: EPA 200.

Laboratory: SGS 5980055701 Period:UPDS
Sample Date: 09/02/2008 Time: 13:40 Reported: 09/22/2008 Received: 09/02/2008

1-Field Water Temperature	12.700000 Deg. C	Method: NONE
2-pH (fld)	8.110000 pH units	Method: NONE
4-Sp. Conductivity (fld)	1205.000000 umhos/cm	Method: NONE
11-Flow	58.600000 GPM	Method: ALL OTHE
14-pH (lab)	8.130000 pH units	Method: SM4500-H
16-Total Suspended Solids	14.000000 mg/l	Method: SM2540-D
36-Dissolved Calcium	74.800000 mg/l	Method: EPA 200.
40-Dissolved Iron	< .030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium	57.980000 mg/l	Method: EPA 200.
43-Dissolved Manganese	.007000 mg/l	Method: EPA 200.
45-Dissolved Potassium	5.990000 mg/l	Method: EPA 200.
48-Dissolved Sodium	91.520000 mg/l	Method: EPA 200.
53-Chloride	138.000000 mg/l	Method: EPA 300.
60-Sulfate	135.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	299.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3	426.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	1183.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	723.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	299.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	< 5.000000 mg/l	Method: SM2320-B
99-Settleable Solids	< .100000 ml/l	Method: SM2540-F
113-Dissolved Aluminum	< .030000 mg/l	Method: EPA 200.
133-Total Cations	12.600000 meq/l	Method: SM1030
134-Total Anions	12.700000 meq/l	Method: SM1030
135-Cation/Anion Balance	.100000- PC DIFF	Method: PC. DIFF
136-Total Aluminum	.380000 mg/l	Method: EPA 200.
145-Total Iron	.170000 mg/l	Method: EPA 200.
149-Total Manganese	.012000 mg/l	Method: EPA 200.

SITE: UT0023604-002

Laboratory: SGS 5980040901 Period:UPDS
Sample Date: 07/01/2008 Time: 08:40 Reported: 07/15/2008 Received: 07/01/2008

1-Field Water Temperature	13.500000 Deg. C	Method: NONE
2-pH (fld)	7.480000 pH units	Method: NONE
4-Sp. Conductivity (fld)	740.000000 umhos/cm	Method: NONE
11-Flow	438.000000 GPM	Method: ALL OTHE
14-pH (lab)	7.300000 pH units	Method: SM4500-H
16-Total Suspended Solids	< 5.000000 mg/l	Method: SM2540-D
36-Dissolved Calcium	84.970000 mg/l	Method: EPA 200.
40-Dissolved Iron	< .030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium	49.120000 mg/l	Method: EPA 200.
43-Dissolved Manganese	.019000 mg/l	Method: EPA 200.
45-Dissolved Potassium	4.890000 mg/l	Method: EPA 200.
48-Dissolved Sodium	19.940000 mg/l	Method: EPA 200.
53-Chloride	10.000000 mg/l	Method: EPA 300.
60-Sulfate	84.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	331.000000 mg/l	Method: SM2320
63-Total Hardness as CaCO3	414.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	838.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	457.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	331.000000 mg/l	Method: SM2320
72-Carbonate as CaCO3	< 5.000000 mg/l	Method: SM2320
133-Total Cations	9.300000 meq/l	Method: SM1030
134-Total Anions	8.700000 meq/l	Method: SM1030
135-Cation/Anion Balance	3.400000 PC DIFF	Method: PC. DIFF
145-Total Iron	.410000 mg/l	Method: EPA 200.
149-Total Manganese	.022000 mg/l	Method: EPA 200.

Laboratory: SGS 5980049203 Period:UPDS
Sample Date: 08/05/2008 Time: 08:45 Reported: 08/12/2008 Received: 08/05/2008

1-Field Water Temperature	14.600000 Deg. C	Method: NONE
2-pH (fld)	7.640000 pH units	Method: NONE
4-Sp. Conductivity (fld)	765.000000 umhos/cm	Method: NONE
11-Flow	848.000000 GPM	Method: ALL OTHE
14-pH (lab)	7.600000 pH units	Method: SM4500-H
16-Total Suspended Solids	5.000000 mg/l	Method: SM2540-D
36-Dissolved Calcium	78.300000 mg/l	Method: EPA 200.
40-Dissolved Iron	< .030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium	44.650000 mg/l	Method: EPA 200.
43-Dissolved Manganese	.018000 mg/l	Method: EPA 200.
45-Dissolved Potassium	5.200000 mg/l	Method: EPA 200.
48-Dissolved Sodium	29.150000 mg/l	Method: EPA 200.
53-Chloride	24.000000 mg/l	Method: EPA 300.
60-Sulfate	76.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	324.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3	379.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	862.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	469.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	324.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	< 5.000000 mg/l	Method: SM2320-B
133-Total Cations	9.000000 meq/l	Method: SM1030
134-Total Anions	8.800000 meq/l	Method: SM1030
135-Cation/Anion Balance	1.300000 PC DIFF	Method: PC. DIFF
145-Total Iron	.370000 mg/l	Method: EPA 200.
149-Total Manganese	.020000 mg/l	Method: EPA 200.

Laboratory: SGS 5980054701 Period:UPDS
Sample Date: 08/25/2008 Time: 14:30 Reported: 09/02/2008 Received: 08/25/2008

1-Field Water Temperature	12.700000 Deg. C	Method: NONE
2-pH (fld)	7.300000 pH units	Method: NONE
4-Sp. Conductivity (fld)	757.000000 umhos/cm	Method: NONE
11-Flow	502.000000 GPM	Method: ALL OTHE
14-pH (lab)	7.500000 pH units	Method: SM4500-H
16-Total Suspended Solids	< 5.000000 mg/l	Method: SM2540-D
36-Dissolved Calcium	81.790000 mg/l	Method: EPA 200.
40-Dissolved Iron	< .030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium	46.420000 mg/l	Method: EPA 200.
43-Dissolved Manganese	.019000 mg/l	Method: EPA 200.
45-Dissolved Potassium	5.160000 mg/l	Method: EPA 200.
48-Dissolved Sodium	22.580000 mg/l	Method: EPA 200.
53-Chloride	10.000000 mg/l	Method: EPA 300.
60-Sulfate	79.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	338.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3	395.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	881.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	396.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	338.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	< 5.000000 mg/l	Method: SM2320-B
133-Total Cations	9.000000 meq/l	Method: SM1030
134-Total Anions	8.700000 meq/l	Method: SM1030
135-Cation/Anion Balance	1.800000 PC DIFF	Method: PC. DIFF
145-Total Iron	.350000 mg/l	Method: EPA 200.
149-Total Manganese	.019000 mg/l	Method: EPA 200.

Laboratory: SGS 5980055703 Period:UPDS
Sample Date: 09/02/2008 Time: 13:15 Reported: 09/22/2008 Received: 09/02/2008

1-Field Water Temperature	13.500000 Deg. C	Method: NONE
2-pH (fld)	7.470000 pH units	Method: NONE
4-Sp. Conductivity (fld)	780.000000 umhos/cm	Method: NONE
11-Flow	833.000000 GPM	Method: ALL OTHE
14-pH (lab)	7.510000 pH units	Method: SM4500-H
16-Total Suspended Solids	< 5.000000 mg/l	Method: SM2540-D
36-Dissolved Calcium	81.460000 mg/l	Method: EPA 200.
40-Dissolved Iron	< .030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium	49.590000 mg/l	Method: EPA 200.
43-Dissolved Manganese	.018000 mg/l	Method: EPA 200.
45-Dissolved Potassium	5.470000 mg/l	Method: EPA 200.
48-Dissolved Sodium	26.970000 mg/l	Method: EPA 200.
53-Chloride	15.000000 mg/l	Method: EPA 300.
60-Sulfate	107.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3	331.000000 mg/l	Method: SM2320-B

63-Total Hardness as CaCO3	408.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)	822.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C	505.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3	331.000000 mg/l	Method: SM2320-B
72-Carbonate as CaCO3	< 5.000000 mg/l	Method: SM2320-B
133-Total Cations	9.500000 meq/l	Method: SM1030
134-Total Anions	9.300000 meq/l	Method: SM1030
135-Cation/Anion Balance	1.000000 PC DIFF	Method: PC. DIFF
145-Total Iron	.330000 mg/l	Method: EPA 200.
149-Total Manganese	.018000 mg/l	Method: EPA 200.

SITE TYPE: Well
SITE: CCCW-1A

Laboratory: FLD 20080708-G Period:OPER
Sample Date: 07/08/2008 Time: 10:28 Reported: Received:
8-Depth 112.720000 feet Method: ALL OTHE

Laboratory: FLD 20080819-8 Period:OPER
Sample Date: 08/19/2008 Time: 14:45 Reported: Received:
8-Depth 113.140000 feet Method: ALL OTHE

Laboratory: FLD 20080925-9 Period:OPER
Sample Date: 09/25/2008 Time: 15:18 Reported: Received:
8-Depth 112.780000 feet Method: ALL OTHE

SITE: CCCW-1S

Laboratory: FLD 20080708-H Period:OPER
Sample Date: 07/08/2008 Time: 10:22 Reported: Received:
8-Depth 191.870000 feet Method: ALL OTHE

Laboratory: FLD 20080819-9 Period:OPER
Sample Date: 08/19/2008 Time: 12:42 Reported: Received:
8-Depth 192.000000 feet Method: ALL OTHE

Laboratory: FLD 20080925-A Period:OPER
Sample Date: 09/25/2008 Time: 15:14 Reported: Received:
8-Depth 191.990000 feet Method: ALL OTHE

SITE: CCCW-2A

Laboratory: FLD 20080708-I Period:OPER
Sample Date: 07/08/2008 Time: 10:15 Reported: Received:
8-Depth 22.060000 feet Method: ALL OTHE

Laboratory: FLD 20080819-A Period:OPER
Sample Date: 08/19/2008 Time: 12:28 Reported: Received:
8-Depth 21.370000 feet Method: ALL OTHE

Laboratory: FLD 20080925-B Period:OPER
Sample Date: 09/25/2008 Time: 15:04 Reported: Received:
8-Depth 22.300000 feet Method: ALL OTHE

SITE: CCCW-3A

Laboratory: FLD 20080708-J Period:OPER
Sample Date: 07/08/2008 Time: 09:51 Reported: Received:
8-Depth 50.470000 feet Method: ALL OTHE

Laboratory: FLD 20080819-B Period:OPER
Sample Date: 08/19/2008 Time: 12:08 Reported: Received:
8-Depth 50.860000 feet Method: ALL OTHE

Laboratory: FLD 20080925-C Period:OPER
Sample Date: 09/25/2008 Time: 14:43 Reported: Received:
8-Depth 51.380000 feet Method: ALL OTHE

SITE: CCCW-3S-L

Laboratory: FLD 20080708-L Period:OPER
Sample Date: 07/08/2008 Time: 09:56 Reported: Received:
8-Depth 613.050000 feet Method: ALL OTHE

Laboratory: FLD 20080819-D Period:OPER
Sample Date: 08/19/2008 Time: 12:17 Reported: Received:
8-Depth 613.100000 feet Method: ALL OTHE

Laboratory: FLD 20080925-E Period:OPER
Sample Date: 09/25/2008 Time: 14:50 Reported: Received:
8-Depth 613.270000 feet Method: ALL OTHE

SITE: CCCW-3S-U

Laboratory: FLD 20080708-K Period:OPER
Sample Date: 07/08/2008 Time: 09:53 Reported: Received:
8-Depth 72.200000 feet Method: ALL OTHE

Laboratory: FLD 20080819-C Period:OPER
Sample Date: 08/19/2008 Time: 12:12 Reported: Received:
8-Depth 73.210000 feet Method: ALL OTHE

Laboratory: FLD 20080925-D Period:OPER
Sample Date: 09/25/2008 Time: 14:48 Reported: Received:
8-Depth 73.900000 feet Method: ALL OTHE

SITE: DCWR1

Laboratory: SGS 5980060505 Period:OPER
Sample Date: 09/23/2008 Time: 09:26 Reported: 10/02/2008 Received: 09/23/2008
1-Field Water Temperature 13.500000 Deg. C Method: NONE
2-pH (fld) 7.490000 pH units Method: NONE
3-Dissolved Oxygen (field) 2.500000 mg/l Method: NONE
4-Sp. Conductivity (fld) 19410.000000 umhos/cm Method: NONE
8-Depth 11.520000 feet Method: ALL OTHE
14-pH (lab) 7.490000 pH units Method: SM4500-H
36-Dissolved Calcium 113.280000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 181.390000 mg/l Method: EPA 200.
43-Dissolved Manganese .013000 mg/l Method: EPA 200.
45-Dissolved Potassium 16.390000 mg/l Method: EPA 200.
48-Dissolved Sodium 4851.900000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: ASTM 106
53-Chloride 711.000000 mg/l Method: EPA 300.
60-Sulfate 9690.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 599.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 1030.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 19170.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 16454.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 599.000000 mg/l Method: SM2320-B
This Parameter is out by 3.35 Standard Deviations(STD). One STD is 15.41 with a mean of 650.64.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 232.000000 meq/l Method: SM1030
134-Total Anions 234.000000 meq/l Method: SM1030
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
135-Cation/Anion Balance .400000- PC DIFF Method: PC. DIFF
145-Total Iron 2.120000 mg/l Method: EPA 200.
149-Total Manganese .017000 mg/l Method: EPA 200.

SITE: EM-31

Laboratory: FLD 20080708-F Period:OPER
Sample Date: 07/08/2008 Time: 10:52 Reported: Received:
8-Depth 56.420000 feet Method: ALL OTHE

Laboratory: FLD 20080819-7 Period:OPER
Sample Date: 08/19/2008 Time: 13:00 Reported: Received:
8-Depth 57.450000 feet Method: ALL OTHE

Laboratory: FLD 20080925-8 Period:OPER
Sample Date: 09/25/2008 Time: 15:26 Reported: Received:
8-Depth 58.090000 feet Method: ALL OTHE

SITE: EM-47

Laboratory: FLD 20080707-C Period:OPER
Sample Date: 07/07/2008 Time: 12:00 Reported: Received:
8-Depth 210.660000 feet Method: ALL OTHE

Laboratory: FLD 20080818-A Period:OPER
Sample Date: 08/18/2008 Time: 09:42 Reported: Received:
8-Depth 211.420000 feet Method: ALL OTHE

Laboratory: FLD 20080922-1 Period:OPER
Sample Date: 09/22/2008 Time: 12:12 Reported: Received:
8-Depth 213.810000 feet Method: ALL OTHE

SITE: P-1

Laboratory: FLD 20080707-D Period:OPER
Sample Date: 07/07/2008 Time: 12:00 Reported: Received:
8-Depth 22.920000 feet Method: ALL OTHE

Laboratory: FLD 20080818-B Period:OPER
Sample Date: 08/18/2008 Time: 10:22 Reported: Received:
8-Depth 23.140000 feet Method: ALL OTHE

Laboratory: FLD 20080908-1 Period:OPER
Sample Date: 09/08/2008 Time: 13:40 Reported: Received:
8-Depth 23.010000 feet Method: ALL OTHE

SITE: P-4

DRY WELL Date: 07/07/2008 Time: 12:00

DRY WELL Date: 08/18/2008 Time: 12:00

DRY WELL Date: 09/08/2008 Time: 13:40

SITE: P-5

Laboratory: FLD 20080707-E Period:OPER
Sample Date: 07/07/2008 Time: 12:00 Reported: Received:
8-Depth 7.000000 feet Method: ALL OTHE

Laboratory: FLD 20080818-C Period:OPER
Sample Date: 08/18/2008 Time: 10:22 Reported: Received:
8-Depth 6.760000 feet Method: ALL OTHE

Laboratory: FLD 20080908-2 Period:OPER
Sample Date: 09/08/2008 Time: 13:40 Reported: Received:
8-Depth 7.770000 feet Method: ALL OTHE

SITE: P-6

Laboratory: FLD 20080707-F Period:OPER

Sample Date: 07/07/2008 Time: 12:00 Reported: Received:
8-Depth 38.440000 feet Method: ALL OTHE

Laboratory: FLD 20080818-D Period:OPER
Sample Date: 08/18/2008 Time: 10:22 Reported: Received:
8-Depth 38.130000 feet Method: ALL OTHE

Laboratory: FLD 20080908-3 Period:OPER
Sample Date: 09/08/2008 Time: 13:40 Reported: Received:
8-Depth 39.220000 feet Method: ALL OTHE

SITE: P-7

Laboratory: FLD 20080707-G Period:OPER
Sample Date: 07/07/2008 Time: 12:00 Reported: Received:
8-Depth 25.110000 feet Method: ALL OTHE

Laboratory: FLD 20080818-E Period:OPER
Sample Date: 08/18/2008 Time: 10:22 Reported: Received:
8-Depth 25.860000 feet Method: ALL OTHE

Laboratory: FLD 20080908-4 Period:OPER
Sample Date: 09/08/2008 Time: 13:40 Reported: Received:
8-Depth 29.410000 feet Method: ALL OTHE

Oil, Gas and Mining
12/22/2008
OFFICIAL UPLOAD and PARAMETER REPORT
PACIFICORP
TRAIL MOUNTAIN #9 MINE

SITE TYPE: Other: in mine, roof drippers
SITE: 18-1-1

NO FLOW Date: 09/29/2008 Time: 12:00

SITE TYPE: Spring
SITE: 17-21-1

NO FLOW Date: 07/15/2008 Time: 12:00
Oil, Gas and Mining

NO FLOW Date: 08/20/2008 Time: 12:00

Laboratory: FLD 20080925-1 Period:OPER
Sample Date: 09/25/2008 Time: 11:24 Reported: Received:
11-Flow .150000 GPM Method: ALL OTHE

SITE: 17-22-1

Laboratory: SGS 5980044703 Period:OPER
Sample Date: 07/15/2008 Time: 13:40 Reported: 07/23/2008 Received: 07/16/2008
1-Field Water Temperature 8.000000 Deg. C Method: NONE
2-pH (fld) 7.810000 pH units Method: NONE
4-Sp. Conductivity (fld) 509.000000 umhos/cm Method: NONE
11-Flow 11.800000 GPM Method: ALL OTHE
14-pH (lab) 7.610000 pH units Method: SM4500-H
36-Dissolved Calcium 43.030000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 33.310000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium .900000 mg/l Method: EPA 200.
48-Dissolved Sodium 17.800000 mg/l Method: EPA 200.
51-Acidity as CaCO3 13.000000 mg/l Method: ASTM 106
This Parameter is out by 8.22 Standard Deviations(STD). One STD is 0.85 with a mean of 6.00.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
53-Chloride 9.000000 mg/l Method: EPA 300.
60-Sulfate 13.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 246.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 245.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 526.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 285.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 246.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 5.700000 meq/l Method: SM1030
134-Total Anions 5.400000 meq/l Method: SM1030
135-Cation/Anion Balance 2.200000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

Laboratory: FLD 20080820-6 Period:OPER
Sample Date: 08/20/2008 Time: 13:55 Reported: Received:
11-Flow 7.200000 GPM Method: ALL OTHE

Laboratory: FLD 20080925-2 Period:OPER
Sample Date: 09/25/2008 Time: 11:11 Reported: Received:
11-Flow 5.600000 GPM Method: ALL OTHE

SITE: 17-25-1

NO FLOW Date: 07/15/2008 Time: 12:00

NO FLOW Date: 08/20/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 17-26-4

NO FLOW Date: 07/15/2008 Time: 12:00

NO FLOW Date: 08/20/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 17-26-5

NO FLOW Date: 07/15/2008 Time: 12:00

NO FLOW Date: 08/20/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 17-35-1

NO FLOW Date: 07/15/2008 Time: 12:00

NO FLOW Date: 08/20/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 17-35-2

NO FLOW Date: 07/15/2008 Time: 12:00

NO FLOW Date: 08/20/2008 Time: 12:00

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 18-2-1

Laboratory: SGS 5980044704 Period:OPER
Sample Date: 07/15/2008 Time: 12:26 Reported: 07/23/2008 Received: 07/16/2008

1-Field Water Temperature		11.000000 Deg. C	Method: NONE
2-pH (fld)		7.560000 pH units	Method: NONE
3-Dissolved Oxygen (field)		.000000 mg/l	Method: NONE

This Parameter is out by 3.23 Standard Deviations(STD). One STD is 2.65 with a mean of 8.58.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Not required

4-Sp. Conductivity (fld)		960.000000 umhos/cm	Method: NONE
11-Flow		1.200000 GPM	Method: ALL OTHE
14-pH (lab)		7.600000 pH units	Method: SM4500-H
36-Dissolved Calcium		63.960000 mg/l	Method: EPA 200.
40-Dissolved Iron	<	.030000 mg/l	Method: EPA 200.
42-Dissolved Magnesium		63.310000 mg/l	Method: EPA 200.
43-Dissolved Manganese	<	.002000 mg/l	Method: EPA 200.
45-Dissolved Potassium		.870000 mg/l	Method: EPA 200.
48-Dissolved Sodium		63.230000 mg/l	Method: EPA 200.
51-Acidity as CaCO3		10.000000 mg/l	Method: ASTM 106
53-Chloride		42.000000 mg/l	Method: EPA 300.
60-Sulfate		162.000000 mg/l	Method: EPA 300.
62-Total Alkalinity as CaCO3		328.000000 mg/l	Method: SM2320-B
63-Total Hardness as CaCO3		420.000000 mg/l	Method: SM2340-B
67-Specific Conductivity (Lab)		1031.000000 umhos/cm	Method: SM2510-B
68-Total Dissolved Solids @ 180 C		611.000000 mg/l	Method: SM2540-C
71-Bicarbonate as CaCO3		328.000000 mg/l	Method: SM2320-B

72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 11.200000 meq/l Method: SM1030
134-Total Anions 11.100000 meq/l Method: SM1030
135-Cation/Anion Balance .300000 PC DIFF Method: PC. DIFF
145-Total Iron .060000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

Laboratory: FLD 20080820-7 Period:OPER
Sample Date: 08/20/2008 Time: 12:40 Reported: Received:
11-Flow .500000 GPM Method: ALL OTHE

NO FLOW Date: 09/25/2008 Time: 12:00

SITE: 18-3-1

Laboratory: FLD 20080708-C Period:OPER
Sample Date: 07/08/2008 Time: 09:10 Reported: Received:
11-Flow 33.800000 GPM Method: ALL OTHE

Laboratory: FLD 20080819-4 Period:OPER
Sample Date: 08/19/2008 Time: 11:27 Reported: Received:
11-Flow 10.200000 GPM Method: ALL OTHE

Laboratory: SGS 5980062703 Period:OPER
Sample Date: 09/29/2008 Time: 11:05 Reported: 10/09/2008 Received: 09/29/2008
1-Field Water Temperature 11.700000 Deg. C Method: NONE
2-pH (fld) 8.540000 pH units Method: NONE
3-Dissolved Oxygen (field) 10.300000 mg/l Method: NONE
4-Sp. Conductivity (fld) 1180.000000 umhos/cm Method: NONE
11-Flow 13.000000 GPM Method: ALL OTHE
14-pH (lab) 8.420000 pH units Method: SM4500-H
16-Total Suspended Solids < 5.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 77.670000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 130.560000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 8.210000 mg/l Method: EPA 200.
48-Dissolved Sodium 71.790000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 36.000000 mg/l Method: EPA 300.
60-Sulfate 434.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 373.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 732.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 1494.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 1016.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 368.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 5.000000 mg/l Method: SM2320-B
133-Total Cations 17.900000 meq/l Method: SM1030
134-Total Anions 17.500000 meq/l Method: SM1030
135-Cation/Anion Balance 1.200000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.
MISSING PARAMETER: 9 - Elevation of Water

SITE TYPE: Stream
SITE: SW-1

Laboratory: FLD 20080708-A Period:OPER
Sample Date: 07/08/2008 Time: 10:45 Reported: Received:
11-Flow 9.000000 GPM Method: ALL OTHE

NO FLOW Date: 08/19/2008 Time: 12:00

NO FLOW Date: 09/29/2008 Time: 12:00

SITE: SW-2

Laboratory: FLD 20080708-B Period:OPER
Sample Date: 07/08/2008 Time: 11:14 Reported: Received:
11-Flow 34.800000 GPM Method: ALL OTHE

Laboratory: FLD 20080819-2 Period:OPER
Sample Date: 08/19/2008 Time: 13:25 Reported: Received:
11-Flow 18.300000 GPM Method: ALL OTHE

Laboratory: SGS 5980062704 Period:OPER
Sample Date: 09/29/2008 Time: 12:15 Reported: 10/09/2008 Received: 09/29/2008
1-Field Water Temperature 16.200000 Deg. C Method: NONE
2-pH (fld) 8.500000 pH units Method: NONE
3-Dissolved Oxygen (field) 4.670000 mg/l Method: NONE
This Parameter is out by 2.41 Standard Deviations(STD). One STD is 1.62 with a mean of 8.58.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
4-Sp. Conductivity (fld) 834.000000 umhos/cm Method: NONE
11-Flow 14.700000 GPM Method: ALL OTHE
14-pH (lab) 8.340000 pH units Method: SM4500-H
16-Total Suspended Solids < 5.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 82.950000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 70.100000 mg/l Method: EPA 200.
43-Dissolved Manganese < .002000 mg/l Method: EPA 200.
45-Dissolved Potassium 6.730000 mg/l Method: EPA 200.
48-Dissolved Sodium 36.340000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 15.000000 mg/l Method: EPA 300.
60-Sulfate 244.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 288.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 496.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 1027.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 664.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 288.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 11.700000 meq/l Method: SM1030
134-Total Anions 11.200000 meq/l Method: SM1030
135-Cation/Anion Balance 1.800000 PC DIFF Method: PC. DIFF
145-Total Iron < .050000 mg/l Method: EPA 200.
149-Total Manganese < .002000 mg/l Method: EPA 200.

SITE: SW-3

NO FLOW Date: 07/08/2008 Time: 12:00

Laboratory: FLD 20080819-3 Period:OPER
Sample Date: 08/19/2008 Time: 13:37 Reported: Received:
11-Flow 5.500000 GPM Method: ALL OTHE

Laboratory: SGS 5980062702 Period:OPER
Sample Date: 09/27/2008 Time: 12:58 Reported: 10/09/2008 Received: 09/29/2008
1-Field Water Temperature 20.200000 Deg. C Method:
2-pH (fld) 8.130000 pH units Method:
3-Dissolved Oxygen (field) 7.350000 mg/l Method:
4-Sp. Conductivity (fld) 1996.000000 umhos/cm Method: NONE
This Parameter is out by 2.58 Standard Deviations(STD). One STD is 435.81 with a mean of 873.06.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
11-Flow 5.450000 GPM Method:
14-pH (lab) 8.280000 pH units Method: SM4500-H
16-Total Suspended Solids < 5.000000 mg/l Method: SM2540-D
19-Oil/Grease < 5.000000 mg/l Method: EPA 1664
36-Dissolved Calcium 111.520000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 117.020000 mg/l Method: EPA 200.
43-Dissolved Manganese .003000 mg/l Method: EPA 200.
45-Dissolved Potassium 5.080000 mg/l Method: EPA 200.

48-Dissolved Sodium 229.230000 mg/l Method: EPA 200.
51-Acidity as CaCO3 9.000000 mg/l Method: D1067-92
53-Chloride 313.000000 mg/l Method: EPA 300.
This Parameter is out by 4.19 Standard Deviations(STD). One STD is 65.09 with a mean of 40.14.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
60-Sulfate 408.000000 mg/l Method: EPA 300.
This Parameter is out by 2.13 Standard Deviations(STD). One STD is 124.06 with a mean of 144.21.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
62-Total Alkalinity as CaCO3 375.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 760.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 2350.000000 umhos/cm Method: SM2510-B
This Parameter is out by 2.69 Standard Deviations(STD). One STD is 499.53 with a mean of 1008.76.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
68-Total Dissolved Solids @ 180 C 1466.000000 mg/l Method: SM2540-C
This Parameter is out by 2.94 Standard Deviations(STD). One STD is 310.02 with a mean of 555.58.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
71-Bicarbonate as CaCO3 375.000000 mg/l Method: SM2320-B
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 25.300000 meq/l Method: SM1030
This Parameter is out by 2.83 Standard Deviations(STD). One STD is 5.06 with a mean of 10.98.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
134-Total Anions 24.800000 meq/l Method: SM1030
This Parameter is out by 2.76 Standard Deviations(STD). One STD is 5.05 with a mean of 10.87.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
135-Cation/Anion Balance .900000 PC DIFF Method: SM1030
145-Total Iron .100000 mg/l Method: EPA 200.
149-Total Manganese .023000 mg/l Method: EPA 200.

SITE TYPE: UPDES Permit discharge point
SITE: UT0023728-001

NO FLOW Date: 07/01/2008 Time: 12:00

NO FLOW Date: 08/05/2008 Time: 12:00

NO FLOW Date: 09/02/2008 Time: 12:00

SITE: UT0023728-002

NO FLOW Date: 07/01/2008 Time: 12:00

NO FLOW Date: 08/05/2008 Time: 12:00

NO FLOW Date: 09/02/2008 Time: 12:00

SITE TYPE: Well
SITE: TM-1B

Laboratory: FLD 20080708-D Period:OPER
Sample Date: 07/08/2008 Time: 11:07 Reported: Received:
8-Depth 19.080000 feet Method: ALL OTHE
This Parameter is out by 3.62 Standard Deviations(STD). One STD is 1.10 with a mean of 23.06.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: FLD 20080819-5 Period:OPER
Sample Date: 08/19/2008 Time: 13:13 Reported: Received:
8-Depth 19.600000 feet Method: ALL OTHE
This Parameter is out by 3.14 Standard Deviations(STD). One STD is 1.10 with a mean of 23.06.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: SGS 5980062701 Period:OPER
Sample Date: 09/29/2008 Time: 11:47 Reported: 10/09/2008 Received: 09/29/2008
1-Field Water Temperature 11.600000 Deg. C Method: NONE
2-pH (fld) 8.380000 pH units Method: NONE
3-Dissolved Oxygen (field) 4.670000 mg/l Method: NONE
4-Sp. Conductivity (fld) 823.000000 umhos/cm Method: NONE
8-Depth 20.310000 feet Method: ALL OTHE
This Parameter is out by 2.50 Standard Deviations(STD). One STD is 1.10 with a mean of 23.06.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
14-pH (lab) 8.410000 pH units Method: SM4500-H
36-Dissolved Calcium 9.700000 mg/l Method: EPA 200.
40-Dissolved Iron < .030000 mg/l Method: EPA 200.
42-Dissolved Magnesium 9.650000 mg/l Method: EPA 200.
43-Dissolved Manganese .014000 mg/l Method: EPA 200.
45-Dissolved Potassium 2.330000 mg/l Method: EPA 200.
48-Dissolved Sodium 197.720000 mg/l Method: EPA 200.
51-Acidity as CaCO3 < 5.000000 mg/l Method: D1067-92
53-Chloride 51.000000 mg/l Method: EPA 300.
60-Sulfate 11.000000 mg/l Method: EPA 300.
62-Total Alkalinity as CaCO3 411.000000 mg/l Method: SM2320-B
63-Total Hardness as CaCO3 64.000000 mg/l Method: SM2340-B
67-Specific Conductivity (Lab) 962.000000 umhos/cm Method: SM2510-B
68-Total Dissolved Solids @ 180 C 551.000000 mg/l Method: SM2540-C
71-Bicarbonate as CaCO3 411.000000 mg/l Method: SM2320-B
This Parameter is out by 2.36 Standard Deviations(STD). One STD is 10.11 with a mean of 387.14.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported
72-Carbonate as CaCO3 < 5.000000 mg/l Method: SM2320-B
133-Total Cations 9.900000 meq/l Method: SM1030
134-Total Anions 9.900000 meq/l Method: SM1030
135-Cation/Anion Balance .300000 PC DIFF Method: PC. DIFF
145-Total Iron 1.120000 mg/l Method: EPA 200.
149-Total Manganese .027000 mg/l Method: EPA 200.

SITE: TM-3

Laboratory: FLD 20080708-E Period:OPER
Sample Date: 07/08/2008 Time: 09:12 Reported: Received:
Comments: Artesian well; well elevation of 6750'
8-Depth 6823.900000 feet Method: ALL OTHE
This Parameter is out by 2.39 Standard Deviations(STD). One STD is 2418.67 with a mean of 1031.77.
Comments: Artesian well; well elevation of 6750'
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: FLD 20080819-6 Period:OPER
Sample Date: 08/19/2008 Time: 11:31 Reported: Received:
Comments: Artesian well; well elevation of 6750'
8-Depth 6814.700000 feet Method: ALL OTHE
This Parameter is out by 2.39 Standard Deviations(STD). One STD is 2418.67 with a mean of 1031.77.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported

Laboratory: FLD 20080929-2 Period:OPER
Sample Date: 09/29/2008 Time: 11:00 Reported: Received:
Comments: Artesian well; well elevation of 6750'

8-Depth 6828.500000 feet Method: ALL OTHE
This Parameter is out by 2.40 Standard Deviations(STD). One STD is 2418.67 with a mean of 1031.77.
Warning: 39 - Std. Dev. is greater than 2, verify value.
Comment: Value as reported