C0150025, Incoming
cc: April
#3591
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NORWEST
CORPORATION

Cathy Begej
Senior Hydrologist/Project Manager

July 12, 2010

File No. 4184

Ms. April Abate
Environmental Scientist II
Utah Division of Oil, Gas & Mining Coal Program
1594 West North Temple, Suite 1210
PO Box 145801
Salt Lake City, UT 84114-5801

Subject: Permit Amendment Submittal
Hydrologic Monitoring Plan
Bear Canyon Mine, C/015/0025

Dear Ms. Abate:

Enclosed is a hydrologic monitoring amendment to the Bear Canyon Mine permit, number C/015/0025. Norwest is submitting this amendment on behalf of CW Mining Company d/b/a Co-Op Mining Company, Kenneth A. Rushton, U.S. Bankruptcy Trustee to the Bear Canyon Mine. This package includes one original and three copies of the following: notarized C1 and C2 forms, redlined version of changes to the MRP for your review, and a final version of the proposed changes to the MRP. Please review and provide comments to the public notification publication and I will publish it accordingly.

The attached proposed changes to the MRP reflect an alleviation of active monitoring locations to reflect current surface disturbance and underground mining at the site. To support the proposed amendment, we have provided Tables 1 -3. The attached Table 1 was derived from the sites in Table 7-14, and expanded to identify each site's objective, proposed status, and rationale for retention or temporary reduction. In addition, the water quality parameter list has been reduced, following a statistical evaluation of data in the mine's database. Table 2 summarizes the historic water quality parameters by site type to identify parameters which have regularly been less than detection limits, or below state use water quality criteria. Norwest filtered out data which had incorrect units or was an obvious anomaly when it was one or two orders of magnitude higher than the data set. Table 3 provides site specific statistics on water quality parameters collected at each site. The statistics have

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been calculated for all sampling events when results exceeded the detection limit. Thus, the average value is exceptionally conservative.

Norwest Corporation proposes to reduce the current 45 sites to 19 active sites, as shown in the revised Table 7-14. One (SBC-23) site will be discontinued as the landslide it was associated with has stabilized. The frequency will be reduced to quarterly for all sites, and sampling of springs above workings will be weekly for the first 30 days, and quarterly thereafter. A new sampling suite category entitled "Expanded List" is identified in Tables 7-13 and 7-17. This list has fewer analytes than the baseline list, and eliminates the need to sample trace metals which have low levels, many below detection limits, based on the statistical evaluation provided in Tables 1 and 2.

Please contact me with any questions or concerns.

Yours sincerely,

NORWEST CORPORATION

C W Begej

Cathy Begej
Senior Hydrologist/Project Manager

Enclosures

Cc: Kenneth A. Rushton - U.S. Bankruptcy Trustee
Richard H. Thornton - Prince, Yeates & Geldzahler
Aleta Brown – Norwest Corporation
Carl Pollastro - Norwest Corporation

C/015/0025 Incoming
cc: April

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APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: CW Mining Company d/b/a Co-Op Mining Company, Kenneth A Rushton
Mine: Bear Canyon Mine **Permit Number:** C/015/0025
Title: U.S. Bankruptcy Trustee

Description, Include reason for application and timing required to implement:
Water Monitoring Amendment

Instructions: If you answer yes to any of the first eight questions, this application may require Public Notice publication.

☐ Yes ☒ No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ ☐ increase ☐ decrease.
☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# _____
☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
☐ Yes ☒ No 6. Does the application require or include public notice publication?
☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # _____
☐ Yes ☒ No 10. Is the application submitted as a result of other laws or regulations or policies?
Explain: _____
☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
☐ Yes ☒ No 15. Does the application require or include soil removal, storage or placement?
☐ Yes ☒ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
☐ Yes ☒ No 17. Does the application require or include construction, modification, or removal of surface facilities?
☒ Yes ☐ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
☐ Yes ☒ No 19. Does the application require or include certified designs, maps or calculation?
☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
☐ Yes ☒ No 21. Have reclamation costs for bonding been provided?
☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?
☐ Yes ☒ No 24. Does the application include confidential information and is it clearly marked and separated in the plan?

Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations, herein.

Kenneth A Rushton — Print Name
Bankruptcy Trustee — Position
7/12/2010 — Date
Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 12th day of July, 2010

Notary Public: Ronald J. Rushton, state of Utah.

My commission Expires: 7-31-11
Commission Number: 570173
Address: 1238 E. 1360 N.
City: Lehi State: UT Zip: 84043

RONALD J RUSHTON
NOTARY PUBLIC • STATE of UTAH
1238 EAST 1360 NORTH
LEHI, UT 84043
COMM. EXP. 07/31/2011

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Form DOGM- C1 (Revised December 10, 2007)

APPLICATION FOR COAL PERMIT PROCESSING
Detailed Schedule Of Changes to the Mining And Reclamation Plan

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Permittee: CW Mining Company d/b/a Co-Op Mining Company, Kenneth A Rushton
Mine: Bear Canyon Mine **Permit Number:** C/015/0025
Title: U.S. Bankruptcy Trustee

Provide a detailed listing of all changes to the Mining and Reclamation Plan, which is required as a result of this proposed permit application. Individually list all maps and drawings that are added, replaced, or removed from the plan. Include changes to the table of contents, section of the plan, or other information as needed to specifically locate, identify and revise the existing Mining and Reclamation Plan. Include page, section and drawing number as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-12, Ground Water Sampling, page 7-51
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-13, Ground Water Quality Parameter List, page 7-52
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-14, Water Monitoring Matrix: Operational Phase of Mining, page 7-53
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-15, Past Monitoring Sites, page 7-54
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-16, Surface Water Sampling, page 7-58
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-17, Surface Water Quality Parameter List, page 7-58
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Any other specific or special instruction required for insertion of this proposal into the Mining and Reclamation Plan.

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Table 1: Objective and Status of Bear Mine Monitoring Locations

Site Type	Site ID	Location	Site Objective	Status	Rationale
Stream	BC-1	(Upper Bear Creek)	UpS of Portal Disturbance	Retain	Control for Bear Ck
	BC-2	(Lower Bear Creek)	DS of Portal Disturbance	Retain	Below Existing Portal Disturbance
	BC-3	(Lower Rt Fork Bear Creek)	DS of Mine 3&4 Portal Disturbance	Retain	Below Existing Portal Disturbance
	BC-4	(Upper Rt Fork Bear Creek)	UpS of Mine 3&4 Portal Disturbance	Retain	Control for Rt Fork of Bear Ck
	CK-1	(Upper Cedar Creek)	UpS of Mohrland Portal	Retain	Control for Cedar Ck above SCC-3 which is discharging
	CK-2	(Lower Cedar Creek)	DS of Mohrland Portal	Retain	Below SCC-3 which is discharging
	MH-1	(Lower McCadden Hollow Creek)	DS of Leases U-46481 or U-024316 @ Hiawatha Spg	Inactive - Initiate if mining in Lease U-46481 or U-024316	No mining in area; initiate when mining T16N R7E Secs 11,12 or 14
	MH-2	(Upper McCadden Hollow Creek)	UpS of Leases U-46481 or U-024316 @ Bear Cyn Fault	Inactive - Initiate if mining in Lease U-46481 or U-024316	No mining in area; initiate when mining T16N R7E Secs 11,12 or 14
	FC-1	(Lower Left Fork Fish Creek)[7]	DS of Mines 3&4 in T16N R8E Secs 20 or 17	Retain	Mining upstream
	FC-2	(Lower Right Fork Fish Creek)[7]	DS of Mines 3&4 in T16N R8E Secs 20 or 17	Inactive; initiate when mining T16N R8E Secs 20 or 17	No mining in area.

Table 1: Objective and Status of Bear Mine Monitoring Locations

Site Type	Site ID	Location	Site Objective	Status	Rationale
Stream	FC-3	(Right Fork Fish Creek Property Line)[7]	DS of Mines 3&4 in T16N R8E Secs 17 or 18	Inactive; initiate when mining T16N R8E Secs 17 or 18	No mining in area.
	FC-4	(Upper Right Fork Fish Creek)[7]	UpS of Mines 3&4 in T16N R8E Secs 17 or 18	Inactive; initiate when mining T16N R8E Secs 7 or 18	No mining in area.
	FC-5	(Mud Spring)[7]	UpS of Mines 3&4 in T16N R8E Secs 17 or 18	Inactive; initiate when mining T16N R8E Sec 7	No mining in area.
	FC-6	(Upper Left Fork Fish Creek)[7]	Control UpS of Mines 3&4 in T16N R8E Secs 18 or 19	Inactive; initiate when mining T16N R8E Secs 18, 19 or 20	No mining in area.
	FC-7	(Water Right Upper Left Fork Fish Creek)	Overlying Lease U-61048	Inactive; initiate when mining T16N R8E Secs 18, 19 or 20	Water right of record
	FC-8	(Water Right Upper Left Fork Fish Creek)	Overlying Lease U-61049	Inactive; initiate when mining T16N R8E Secs 18, 19 or 20	Water right of record
Springs	SBC-4	(Big Bear Springs)[4]	Water right SW of Mines 1 & 2 in Bear Ck below portals	Retain	Water right of record
	SBC-5	(Birch Spring)[4]	Water right SW of Mines 1 & 2 above Huntington Ck SW of Mines 1 & 2	Retain	Water right of record

Table 1: Objective and Status of Bear Mine Monitoring Locations

Site Type	Site ID	Location	Site Objective	Status	Rationale
Springs	SBC-9a	(Hiawatha Seam)	Spring in Bear Ck portal area	Retain	In disturbed area
	SBC-12	(16-7-13-1)	Source Spring at head of Bear Creek	Inactive; initiate when mining begins in Mohrland	No mining in area
	SBC-14	(WHR-6)	Wild Horse Ridge Spring #6 in trib to Bear Ck Canyon	Retain	Immediately downstream of Mine #3 portal
	SBC-15	(WHR-5)	Wild Horse Ridge Spring #5 in trib to Bear Ck Canyon	Retain	Overlying or within 600' of active operations in Mine #4
	SBC-16	(WHR-4)[6,7]	Wild Horse Ridge Spring #4 in trib to Left Fork of Bear Ck Canyon	Retain	Overlying or within 500 ft of development in Mine #4
	SBC16A	[7]	Spring on Wild Horse Ridge in Left Fork of Bear Ck Canyon	Retain	Overlying or within 500 ft of development in Mine #4
	SBC-16B	[7]	Spring on Wild Horse Ridge in Left Fork of Bear Ck Canyon	Retain	Overlying or within 500 ft of development in Mine #4

Table 1: Objective and Status of Bear Mine Monitoring Locations

Site Type	Site ID	Location	Site Objective	Status	Rationale
Springs	SBC-17	(16-7-24-4)	Spring by waterfall in Bear Ck Canyon	Retain	Located between Mines 1&2 and Mine 4
	SBC-18	(WHR-2)[7]	Wild Horse Ridge Spring #2 in trib to Left Fork of Bear Ck Canyon	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'	No mining in area
	SBC-20	(16-8-18-4)	Upper Left Fk Fish Ck	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'	No mining in area
	SBC-21	(16-8-18-1)[7]	Upper Left Fk Fish Ck	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'	No mining in area
	SBC-22	(Stockwater Trough)	Unnamed trib of Bear Creek Canyon	Inactive; initiate when active mining in Mine #4 is within 500'	No mining in area
	SBC-23	(FBC-12)	Bear Creek Landslide Spring	Discontinue; little flow	
	SCC-1	(16-8-20-1)	Spring in Right Fork of Fish Ck from Flagstaff, North Horn, Price Riv. Formation	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'	No mining in area

Table 1: Objective and Status of Bear Mine Monitoring Locations

Site Type	Site ID	Location	Site Objective	Status	Rationale
Springs	SCC-2	(16-8-18-5)[7]	Fish Creek Right Fork Spring	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'	No mining in area
	SCC-3	(Mohrland Portal)	Mohrland Portal Discharge	Retain	Active Discharge
	SCC-5	(16-8-7-3)	Spring in Right Fork of Fish Ck - Gentry Mountain Drainage Spring	Inactive; initiate when active mining in Mohrland area is within 500 feet	No mining in area
	SMH-1	(FBC-6)	McCadden Hollow, Left Fork Springs	Inactive - Initiate if mining in Lease U-46481 or U-024316	No mining in area; initiate when mining T16N R7E Secs 11,12 or 14
	SMH-2	(FBC-5)	McCadden Hollow, Left Fork Trough	Inactive - Initiate if mining in Lease U-46481 or U-024316	No mining in area; initiate when mining T16N R7E Secs 11,12 or 14
	SMH-3	(FBC-13)	McCadden Hollow, Left Fork Trough	Inactive - Initiate if mining in Lease U-46481 or U-024316	No mining in area; initiate when mining T16N R7E Secs 11,12 or 14
	SMH-4	(FBC-4)	McCadden Hollow	Inactive - Initiate if mining in Lease U-46481 or U-024316	No mining in area; initiate when mining T16N R7E Secs 11,12 or 14
	SMH-5	(Stockwater Trough)	Spring in unnamed tributary above McCadden Hollow	Inactive - Initiate if portal accessing U-61048 and U-61049 is opened.	Portal not constructed

Table 1: Objective and Status of Bear Mine Monitoring Locations

Site Type	Site ID	Location	Site Objective	Status	Rationale
Wells	**SBC-3**	**(Creek Well - Completed in alluvium and underlying SS 46', Sec 25, R16N, R7E)**	Right Fork Creek Well	Retain	Active Bear Creek Canyon Portal Area
	SDH-2	(Well - Spg Cyn Member of Star Point SS, W of Bear Cyn & Double Fault, 1930' deep, Sec. 11, T16S, R7E)	McCadden Ridge Well	Inactive - Initiate if mining in Lease U-46481 or U-024316	No mining in area; initiate when mining T16N R7E Secs 11,12 or 14
	SDH-3	(Well - Spg Cyn Member of Star Point SS, W of Trail Cyn Fault, 1804' deep, Sec. 10, T16S, R7E)	Trail Ridge Well	Inactive - Initiate if mining in Lease U-46481 or U-024316	No mining in area; initiate when mining T16N R7E Secs 11,12 or 14
	MW-114	(Well - Spg Cyn Member of Star Point SS, E of Bear Cyn Fault, 1838' deep, Sec. 18, T16S, R8E)	Mohrland Well #14	Retain	Spg Cyn Well in Mine #4 Area
	MW-117	(Well -Between Blind Cyn and Hiawatha Coals, 1759.7', Sec. 12, T16S, R8E)	Mohrland Well #17	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'	No mining in area

Table 2: WQ statistics Summary Table

								UPDES Water Quality Standard				
											Aquatic	
Type	Parameter*	Units	Minimum	Maximum	Mean	Count of Detects	Count of Non-Detects	Domestic	Rec & Aesth	Agriculture	3A-Chronic	3-A Acute
Spring	Flow	gpm	0	580	18.30	558	8					
	Water Level	feet	8.2	8.2	8.20	1	0					
	pH	S.U.	2.83	9.18	7.64	593	0	6.5-9.0	6.5-9.0	6.5-9.0		
	Specific Conductivity	umhos/cm	2.2	2890	742	608	0					
	Temp	Deg. C	1.4	67	11.1	598	0				27	
	Dissolved Oxygen	mg/l	5.1	10	7.6	11	1				>6.5	>5
	Specific Conductivity	umhos/cm	350	2700	952	380	0					
	Total Dissolved Solids	mg/l	149	2940	653	389	1			1200		
	Total Hardness (as CaCO3)	mg/l	143	1436	516.28	399	0					
	Total Settleable Solids	mg/l	0	2	0.40	5	9					
	Total Suspended Solids	mg/l	6	69	24.78	9	5					
	Oil and Grease	mg/l	0	2.1	0.96	9	99					
	Calcium	mg/l	6.36	176	90.37	395	0					
	Magnesium	mg/l	0.006	253	70.32	399	3					
	Potassium	mg/l	0	89.7	6.54	321	68					
	Sodium	mg/l	1.66	68	13.85	382	6					
	Bicarbonate(HCO3-)	mg/l	212	660	363.76	185	0					
	Carbonate (CO3-2)	mg/l	0	10	4.46	13	171					
	Chloride	mg/l	1	66	9.62	397	0					
	Sulfate	mg/l	2	1158	222.89	389	0					
	Aluminum, Dissolved	mg/l	n/a	n/a	n/a	0	180					
	Arsenic, Dissolved	mg/l	0	0.015	0.01	3	186				0.087	0.75
	Boron, Dissolved	mg/l	0.01	0.9	0.10	157	28	0.01		0.1	0.15	0.34
	Cadmium, Dissolved	mg/l	0.01	0.01	0.01	1	188					
	Copper, Dissolved	mg/l	0.01	0.44	0.16	3	186	0.01		0.01	0.00025	0.002
	Iron, Dissolved	mg/l	0.05	0.54	0.18	10	375			0.2	0.009	0.013
	Iron, Total	mg/l	0	38.5	0.79	142	255					
	Lead , Dissolved	mg/l	0.02	0.2	0.11	2	207					
	Manganese, Dissolved	mg/l	0.002	0.1	0.02	62	318	0.015		0.1	0.0025	0.065
	Manganese, Total	mg/l	0	1.41	0.03	134	260					
	Molybdenum, Dissolved	mg/l	0.005	0.2	0.06	5	183					
	Selenium, Dissolved	mg/l	0.009	0.04	0.02	16	160	0.05		0.05	0.0046	0.0154
	Zinc, Dissolved	mg/l	0.004	3.46	0.08	61	137					
	Nitrate	mg/l	0.01	2.54	0.35	175	39		4	4		
	Nitrite	mg/l	0	0.1	0.04	14	198					
	Nitrogen (Ammonia)	mg/l	0	0.4	0.16	26	177					
	Phosphate	mg/l	0	0.12	0.02	36	90		0.05	0.05		
Stream	Flow	gpm	0	800	61.56	400	6					
	pH	S.U.	5.6	9.9	8.22	353	0	6.5-9.0	6.5-9.0	6.5-9.0		
	Specific Conductivity	umhos/cm	7.8	8350	1024.29	381	0					
	Temp	Deg. C	0.5	80.8	14.56	370	0				27	
	Dissolved Oxygen	mg/l	0.4	70	8.42	297	0				>6.5	>5, 3
	Specific Conductivity	umhos/cm	302	6730	1301.43	239	1					
	Total Dissolved Solids	mg/l	163	6181	990.77	247	0			1200		
	Total Hardness (as CaCO3)	mg/l	164	3898	699.53	256	1					
	Total Settleable Solids	mg/l	0	72	8.55	46	147					
	Total Suspended Solids	mg/l	0	9580	524.46	155	41					
	Oil and Grease	mg/l	0	33	7.95	15	161					
	Calcium	mg/l	8.3	494	101.62	256	0					
	Magnesium	mg/l	12	647	108.11	257	0					

Table 2: WQ statistics Summary Table

Type	Parameter*	Units	Minimum	Maximum	Mean	Count of Detects	Count of Non-Detects	UPDES Water Quality Standard				
											Aquatic	
								Domestic	Rec & Aesth	Agriculture	3A-Chronic	3-A Acute
Stream	Potassium	mg/l	0.1	36.83	6.93	235	11					
	Sodium	mg/l	2.33	670.68	36.24	248	2					
	Bicarbonate(HCO3-)	mg/l	174	677	314.73	94	0					
	Carbonate (CO3-2)	mg/l	0	20	8.14	35	59					
	Chloride	mg/l	2	1369	46.21	258	0					
	Sulfate	mg/l	4	6000	465.77	245	0					
	Aluminum, Dissolved	mg/l	n/a	n/a	n/a	0	87				0.087	0.75
	Arsenic, Dissolved	mg/l	n/a	n/a	n/a	0	87	0.01		0.1	0.15	0.34
	Boron, Dissolved	mg/l	0.01	0.48	0.08	64	8					
	Cadmium, Dissolved	mg/l	n/a	n/a	n/a	0	86	0.01		0.01	0.00025	0.002
	Copper, Dissolved	mg/l	0.01	0.01	0.01	1	86			0.2	0.009	0.013
	Iron, Dissolved	mg/l	0.05	0.44	0.09	14	237					
	Iron, Total	mg/l	0.05	115.43	5.13	220	37					
	Lead , Dissolved	mg/l	n/a	n/a	n/a	0	88	0.015		0.1	0.0025	0.065
	Manganese, Dissolved	mg/l	0.002	0.121	0.02	70	181					
	Manganese, Total	mg/l	0.002	2.819	0.12	198	58					
	Molybdenum, Dissolved	mg/l	0.023	0.04	0.03	3	69					
	Selenium, Dissolved	mg/l	0.01	0.02	0.02	2	75	0.05		0.05	0.0046	0.0154
	Zinc, Dissolved	mg/l	0.004	2.056	0.10	30	57					
	Nitrate	mg/l	0.01	7	0.49	51	55		4	4		
	Nitrite	mg/l	0	4.03	0.30	15	90					
	Nitrogen (Ammonia)	mg/l	0	0.9	0.29	11	84					
	Phosphate	mg/l	0	0.06	0.02	11	51		0.05	0.05		
Well	Flow	gpm	0	1783	346.59	17	0					
	Water Level	feet	19	1783.3	1256.25	107	0					
	Temp	Deg. C	9	9	9.00	1	0				27	

Source: Rule R317-2. Standards of Quality for Waters of the State, http://www.rules.utah.gov/publicat/code/r317/r317-002.htm#T16

Trace Metal Standards given for a hardness of 100 mg/l

CWB - Calc Later.

(9b) The one-hour average concentration of total ammonia nitrogen (in mg/l as N) does not exceed, more than once every three years on the average the acute criterion calculated using the following equations.

Class 3A:

$mg/l\ as\ N\ (Acute) = (0.275/(1+10^{7.204-pH})) + (39.0/1+10^{pH-7.204})$

Class 3B, 3C, 3D:

$mg/l\ as\ N\ (Acute) = 0.411/(1+10^{7.204-pH})) + (58.4/(1+10^{pH-7.204}))$

* ***Calcium*** *combines "Total Calcium (mg/l)" and "Calcium Dissolved (mg/l)"*

* ***Sodium*** *combines "Total Sodium (mg/l)" and "Sodium Dissolved (mg/l)"*

* ***Magnesium*** *combines "Total Magnesium (mg/l)" and "Magnesium Dissolved (mg/l)"*

* ***Potassium*** *combines "Total Potassium (mg/l)" and "Potassium Dissolved (mg/l)"*

* ***Nitrate*** *combines "NO2+NO3 AS N (mg/l)" and "NITRATE AS N (mg/l)"*

Table 3: WQ statistics per site Table

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-12	(field)	Flow			gpm	0.00	15.00	4.85	35	6/21/2000	8/12/2008
			pH			S.U.	7.35	8.72	8.05	32	6/21/2000	8/12/2008
			Specific Conductivity			umhos/cm	100.0	1450.0	460.4	31	7/21/2000	8/12/2008
			Temp			Deg. C	4.4	16.0	10.3	32	6/21/2000	8/12/2008
		(lab)	Specific Conductivity			umhos/cm	382.0	504.0	430.2	5	6/21/2000	8/23/2006
			Total Dissolved Solids			mg/l	221	234	228	4	8/16/2000	8/23/2006
			Total Hardness (as CaCO3)			mg/l	210.0	236.0	221.5	4	8/16/2000	8/23/2006
			Calcium			mg/l	51.00	57.98	53.50	4	8/16/2000	8/23/2006
			Magnesium			mg/l	20.00	23.00	21.28	4	8/16/2000	8/23/2006
			Potassium			mg/l	0.36	0.36	0.36	1	8/23/2006	8/23/2006
				<	1	mg/l	-	-	-	3	8/16/2000	5/29/2001
			Sodium			mg/l	2.00	2.23	2.06	4	8/16/2000	8/23/2006
			Bicarbonate(HCO3-)			mg/l	264	273	267	3	8/16/2000	5/29/2001
			Carbonate (CO3-2)	<	5	mg/l	-	-	-	3	8/16/2000	5/29/2001
			Chloride			mg/l	1	3	2	4	8/16/2000	8/23/2006
			Sulfate			mg/l	7	10	8	4	8/16/2000	8/23/2006
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	1	mg/l	-	-	-	1	8/16/2000	8/16/2000
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	2	8/16/2000	8/23/2006
			Boron, Dissolved	<	0.01	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	1	8/16/2000	8/16/2000
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	1	8/16/2000	8/16/2000
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	1	8/16/2000	8/16/2000
			Iron, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	8/16/2000	5/29/2001
			Iron, Total			mg/l	0.11	0.20	0.17	3	10/17/2000	8/23/2006
				<	0.1	mg/l	-	-	-	1	8/16/2000	8/16/2000
			Lead , Dissolved	<	0.1	mg/l	-	-	-	1	8/16/2000	8/16/2000
			Manganese, Dissolved	<	0.002	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	8/16/2000	5/29/2001
			Manganese, Total			mg/l	0.004	0.004	0.004	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	8/16/2000	5/29/2001
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.02	mg/l	-	-	-	1	8/16/2000	8/16/2000
			Selenium, Dissolved	<	0.01	mg/l	-	-	-	1	8/16/2000	8/16/2000
				<	0.02	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Zinc, Dissolved			mg/l	0.010	0.010	0.010	1	8/16/2000	8/16/2000
				<	0.004	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Nitrate			mg/l	0.33	0.35	0.34	2	8/16/2000	8/23/2006
			Nitrite	<	0.03	mg/l	-	-	-	1	8/16/2000	8/16/2000
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Nitrogen (Ammonia)	<	0.1	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.5	mg/l	-	-	-	1	8/16/2000	8/16/2000
			Phosphate	<	0.05	mg/l	-	-	-	1	8/16/2000	8/16/2000

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-14	(field)	Flow			gpm	0.00	15.00	3.61	54	3/23/1994	10/5/2009
			pH			S.U.	6.25	8.30	7.40	50	3/23/1994	8/4/2009
			Specific Conductivity			umhos/cm	2.2	2890.0	1856.5	52	3/23/1994	10/5/2009
			Temp			Deg. C	4.7	57.0	11.1	52	3/23/1994	10/5/2009
			Dissolved Oxygen			mg/l	7.2	7.2	7.2	1	2/22/2005	2/22/2005
		(lab)	Specific Conductivity			umhos/cm	1390.0	2700.0	2154.1	50	3/23/1994	2/25/2010
			Total Dissolved Solids			mg/l	830	2084	1683	51	3/23/1994	2/25/2010
			Total Hardness (as CaCO3)			mg/l	658.0	1436.0	1215.2	51	3/23/1994	2/25/2010
			Oil and Grease	<	2	mg/l	-	-	-	2	10/29/2002	5/6/2003
			Calcium			mg/l	80.30	176.00	143.97	51	3/23/1994	2/25/2010
			Magnesium			mg/l	111.00	253.00	207.80	51	3/23/1994	2/25/2010
			Potassium			mg/l	5.55	22.20	16.77	51	3/23/1994	2/25/2010
			Sodium			mg/l	24.50	63.32	51.33	51	3/23/1994	2/25/2010
			Bicarbonate(HCO3-)			mg/l	445	660	553	28	10/26/1993	10/12/2004
			Carbonate (CO3-2)			mg/l	5	10	8	3	5/24/1995	8/5/2003
				<	1	mg/l	-	-	-	5	10/26/1993	10/26/1994
				<	5	mg/l	-	-	-	20	6/24/1997	10/12/2004
			Chloride			mg/l	17	66	40	51	3/23/1994	2/25/2010
			Sulfate			mg/l	43	1083	804	51	3/23/1994	2/25/2010
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	1	mg/l	-	-	-	8	5/24/1995	10/25/2000
				<	2	mg/l	-	-	-	4	3/23/1994	10/26/1994
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	9	3/23/1994	10/28/1997
				<	0.01	mg/l	-	-	-	5	7/25/2000	10/23/2006
			Boron, Dissolved			mg/l	0.24	0.90	0.48	14	3/23/1994	10/23/2006
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.01	mg/l	-	-	-	5	5/24/1995	10/28/1997
				<	0.01	mg/l	-	-	-	3	7/25/2000	10/25/2000
				<	0.02	mg/l	-	-	-	4	3/23/1994	10/26/1994
			Copper, Dissolved			mg/l	0.01	0.01	0.01	1	8/21/2006	8/21/2006
				<	0.01	mg/l	-	-	-	1	10/23/2006	10/23/2006
				<	0.1	mg/l	-	-	-	5	5/24/1995	10/28/1997
				<	0.1	mg/l	-	-	-	3	7/25/2000	10/25/2000
				<	0.2	mg/l	-	-	-	4	3/23/1994	10/26/1994
			Iron, Dissolved			mg/l	0.05	0.05	0.05	1	2/12/2009	2/12/2009
				<	0.005	mg/l	-	-	-	3	2/4/2003	10/9/2003
				<	0.01	mg/l	-	-	-	1	8/5/2003	8/5/2003
				<	0.02	mg/l	-	-	-	1	10/25/2005	10/25/2005
				<	0.03	mg/l	-	-	-	26	5/27/2004	2/25/2010
				<	0.1	mg/l	-	-	-	5	5/24/1995	10/28/1997
				<	0.1	mg/l	-	-	-	10	7/25/2000	10/29/2002
				<	0.2	mg/l	-	-	-	4	3/23/1994	10/26/1994
			Iron, Total			mg/l	0.61	0.61	0.61	1	5/24/2009	5/24/2009
				<	0.02	mg/l	-	-	-	4	2/4/2003	10/9/2003
				<	0.05	mg/l	-	-	-	27	5/27/2004	2/25/2010
				<	0.1	mg/l	-	-	-	5	5/24/1995	10/28/1997
				<	0.1	mg/l	-	-	-	10	7/25/2000	10/29/2002
				<	0.2	mg/l	-	-	-	4	3/23/1994	10/26/1994

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-14	(lab)	**Lead , Dissolved**			mg/l	0.20	0.20	0.20	1	3/23/1994	3/23/1994
				<	0.01	mg/l	-	-	-	1	10/23/2006	10/23/2006
				<	0.1	mg/l	-	-	-	5	5/24/1995	10/28/1997
				<	0.1	mg/l	-	-	-	3	7/25/2000	10/25/2000
				<	0.2	mg/l	-	-	-	3	6/1/1994	10/26/1994
			Manganese, Dissolved			mg/l	0.014	0.014	0.014	2	5/30/2006	5/30/2006
				<	0.002	mg/l	-	-	-	26	5/27/2004	2/25/2010
				<	0.005	mg/l	-	-	-	3	2/4/2003	10/9/2003
				<	0.01	mg/l	-	-	-	1	8/5/2003	8/5/2003
				<	0.05	mg/l	-	-	-	6	8/9/2001	10/29/2002
				<	0.1	mg/l	-	-	-	7	3/23/1994	10/28/1997
				<	0.1	mg/l	-	-	-	4	7/25/2000	5/7/2001
				<	0.2	mg/l	-	-	-	2	8/28/1994	10/26/1994
			Manganese, Total			mg/l	0.007	0.014	0.012	3	5/30/2006	5/24/2009
				<	0.002	mg/l	-	-	-	25	5/27/2004	2/25/2010
				<	0.005	mg/l	-	-	-	4	2/4/2003	10/9/2003
				<	0.05	mg/l	-	-	-	6	8/9/2001	10/29/2002
				<	0.1	mg/l	-	-	-	7	3/23/1994	10/28/1997
				<	0.1	mg/l	-	-	-	4	7/25/2000	5/7/2001
				<	0.2	mg/l	-	-	-	2	8/28/1994	10/26/1994
			Molybdenum, Dissolved			mg/l	0.030	0.030	0.030	1	7/25/2000	7/25/2000
				<	0.005	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.02	mg/l	-	-	-	2	8/7/2000	10/25/2000
				<	0.1	mg/l	-	-	-	5	5/24/1995	10/28/1997
				<	0.2	mg/l	-	-	-	4	3/23/1994	10/26/1994
			Selenium, Dissolved			mg/l	0.010	0.030	0.020	3	6/1/1994	8/21/2006
				<	0.01	mg/l	-	-	-	8	3/23/1994	10/28/1997
				<	0.01	mg/l	-	-	-	2	8/7/2000	10/25/2000
				<	0.02	mg/l	-	-	-	1	10/23/2006	10/23/2006
			Zinc, Dissolved			mg/l	0.020	0.160	0.070	3	6/24/1997	8/7/2000
				<	0.004	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.01	mg/l	-	-	-	2	8/22/1995	10/28/1997
				<	0.01	mg/l	-	-	-	2	7/25/2000	10/25/2000
				<	0.03	mg/l	-	-	-	4	3/23/1994	10/26/1994
			Nitrate			mg/l	0.10	2.08	1.09	14	3/23/1994	10/23/2006
			Nitrite	<	0.01	mg/l	-	-	-	9	3/23/1994	10/28/1997
				<	0.03	mg/l	-	-	-	3	7/25/2000	10/25/2000
				<	0.05	mg/l	-	-	-	2	8/21/2006	10/23/2006
			Nitrogen (Ammonia)			mg/l	0.20	0.20	0.20	1	8/21/2006	8/21/2006
				<	0.1	mg/l	-	-	-	1	10/23/2006	10/23/2006
				<	0.4	mg/l	-	-	-	4	3/23/1994	10/26/1994
				<	0.5	mg/l	-	-	-	7	5/24/1995	10/25/2000
			Phosphate			mg/l	0.01	0.03	0.02	5	8/28/1994	10/28/1997
				<	0.01	mg/l	-	-	-	1	5/24/1995	5/24/1995
				<	0.02	mg/l	-	-	-	3	3/23/1994	10/26/1994
				<	0.05	mg/l	-	-	-	3	7/25/2000	10/25/2000

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-15	(field)	Flow			gpm	0.00	95.80	11.71	32	6/28/2000	8/6/2008
				<	?	gpm	-	-	-	2	7/18/2002	8/14/2002
			pH			S.U.	6.82	8.81	7.73	32	6/28/2000	8/6/2008
			Specific Conductivity			umhos/cm	300.0	838.0	567.1	32	6/28/2000	8/6/2008
			Temp			Deg. C	5.8	19.4	10.7	32	6/28/2000	8/6/2008
		(lab)	Specific Conductivity			umhos/cm	491.0	609.0	533.5	4	6/28/2000	8/23/2006
			Total Dissolved Solids			mg/l	275	299	286	4	6/28/2000	8/23/2006
			Total Hardness (as CaCO3)			mg/l	246.0	311.0	283.3	4	6/28/2000	8/23/2006
			Calcium			mg/l	61.00	68.41	65.10	4	6/28/2000	8/23/2006
			Magnesium			mg/l	19.00	34.09	29.27	4	6/28/2000	8/23/2006
			Potassium			mg/l	0.54	0.54	0.54	1	8/23/2006	8/23/2006
				<	1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Sodium			mg/l	3.00	5.00	4.46	4	6/28/2000	8/23/2006
			Bicarbonate(HCO3-)			mg/l	317	365	342	3	6/28/2000	10/18/2000
			Carbonate (CO3-2)	<	5	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Chloride			mg/l	2	4	3	4	6/28/2000	8/23/2006
			Sulfate			mg/l	4	14	10	4	6/28/2000	8/23/2006
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	4	6/28/2000	8/23/2006
			Boron, Dissolved			mg/l	0.02	0.20	0.11	2	6/28/2000	8/23/2006
				<	0.1	mg/l	-	-	-	2	8/14/2000	10/18/2000
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	2	8/14/2000	10/18/2000
				<	0.1	mg/l	-	-	-	1	6/28/2000	6/28/2000
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Iron, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Iron, Total			mg/l	0.31	0.31	0.31	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Lead , Dissolved	<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Manganese, Dissolved	<	0.002	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Manganese, Total			mg/l	0.006	0.006	0.006	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.02	mg/l	-	-	-	2	8/14/2000	10/18/2000
				<	0.1	mg/l	-	-	-	1	6/28/2000	6/28/2000
			Selenium, Dissolved			mg/l	0.030	0.030	0.030	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	2	8/14/2000	10/18/2000
			Zinc, Dissolved			mg/l	0.200	0.200	0.200	1	6/28/2000	6/28/2000
				<	0.004	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	2	8/14/2000	10/18/2000
			Nitrate			mg/l	0.04	0.77	0.25	4	6/28/2000	8/23/2006
			Nitrite	<	0.03	mg/l	-	-	-	3	6/28/2000	10/18/2000
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Nitrogen (Ammonia)	<	0.05	mg/l	-	-	-	1	6/28/2000	6/28/2000
				<	0.1	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.5	mg/l	-	-	-	2	8/14/2000	10/18/2000
			Phosphate	<	0.05	mg/l	-	-	-	3	6/28/2000	10/18/2000

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-16	(field)	Flow			gpm	0.00	35.00	6.40	31	10/28/1992	10/16/2008
				<	?	gpm	-	-	-	2	7/18/2002	8/14/2002
			pH			S.U.	6.59	8.54	8.00	27	10/28/1992	10/16/2008
			Specific Conductivity			umhos/cm	435.0	706.0	589.4	27	10/28/1992	10/16/2008
			Temp			Deg. C	5.4	20.9	12.3	27	10/28/1992	10/16/2008
			Dissolved Oxygen			mg/l	643.0	643.0	643.0	1	6/29/2006	6/29/2006
		(lab)	Specific Conductivity			umhos/cm	525.0	668.0	580.5	4	6/28/2000	8/23/2006
			Total Dissolved Solids			mg/l	280	327	300	5	10/28/1992	8/23/2006
			Total Hardness (as CaCO3)			mg/l	266.0	337.0	307.6	5	10/28/1992	8/23/2006
			Total Settleable Solids			mg/l	0.0	0.0	0.0	1	10/28/1992	10/28/1992
			Total Suspended Solids			mg/l	14	14	14	1	10/28/1992	10/28/1992
			Oil and Grease			mg/l	0.0	0.0	0.0	1	10/28/1992	10/28/1992
			Calcium			mg/l	52.00	81.90	66.56	5	10/28/1992	8/23/2006
			Magnesium			mg/l	32.10	37.40	34.30	5	10/28/1992	8/23/2006
			Potassium			mg/l	0.00	0.62	0.31	2	10/28/1992	8/23/2006
				<	1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Sodium			mg/l	6.05	9.00	7.64	5	10/28/1992	8/23/2006
			Bicarbonate(HCO3-)			mg/l	284	401	329	4	10/28/1992	10/18/2000
			Carbonate (CO3-2)			mg/l	0	0	0	1	10/28/1992	10/28/1992
				<	5	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Chloride			mg/l	3	15	6	5	10/28/1992	8/23/2006
			Sulfate			mg/l	23	36	32	5	10/28/1992	8/23/2006
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	4	6/28/2000	8/23/2006
			Boron, Dissolved			mg/l	0.02	0.20	0.11	2	6/28/2000	8/23/2006
				<	0.1	mg/l	-	-	-	2	8/14/2000	10/18/2000
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	2	8/14/2000	10/18/2000
				<	0.1	mg/l	-	-	-	1	6/28/2000	6/28/2000
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Iron, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Iron, Total			mg/l	0.00	0.99	0.50	2	10/28/1992	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Lead , Dissolved	<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Manganese, Dissolved	<	0.002	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Manganese, Total			mg/l	0.000	0.031	0.016	2	10/28/1992	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.02	mg/l	-	-	-	2	8/14/2000	10/18/2000
				<	0.1	mg/l	-	-	-	1	6/28/2000	6/28/2000
			Selenium, Dissolved			mg/l	0.030	0.030	0.030	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	3	6/28/2000	10/18/2000
			Zinc, Dissolved			mg/l	0.120	0.120	0.120	1	10/28/1992	10/28/1992
				<	0.004	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	3	6/28/2000	10/18/2000

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-16	(lab)	Nitrate			mg/l	0.01	0.12	0.07	2	10/28/1992	10/18/2000
				<	0.03	mg/l	-	-	-	2	6/28/2000	8/14/2000
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Nitrite			mg/l	0.000	0.000	0.000	1	10/28/1992	10/28/1992
				<	0.03	mg/l	-	-	-	3	6/28/2000	10/18/2000
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Nitrogen (Ammonia)			mg/l	0.00	0.00	0.00	1	10/28/1992	10/28/1992
				<	0.05	mg/l	-	-	-	1	6/28/2000	6/28/2000
				<	0.1	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.5	mg/l	-	-	-	2	8/14/2000	10/18/2000
			Phosphate	<	0.05	mg/l	-	-	-	3	6/28/2000	10/18/2000
	SBC-16a	(field)	Flow			gpm	0.25	26.00	11.88	14	5/30/2007	10/6/2009
			pH			S.U.	7.60	8.30	8.08	12	5/30/2007	8/12/2009
			Specific Conductivity			umhos/cm	420.0	600.0	520.0	14	5/30/2007	10/6/2009
			Temp			Deg. C	6.2	8.9	6.9	14	5/30/2007	10/6/2009
		(lab)	Specific Conductivity			umhos/cm	526.0	592.0	556.7	12	5/30/2007	10/6/2009
			Total Dissolved Solids			mg/l	290	344	322	12	5/30/2007	10/6/2009
			Total Hardness (as CaCO3)			mg/l	293.0	304.0	299.0	12	5/30/2007	10/6/2009
			Calcium			mg/l	66.96	69.77	68.52	12	5/30/2007	10/6/2009
			Magnesium			mg/l	30.30	32.56	31.13	12	5/30/2007	10/6/2009
			Potassium			mg/l	0.39	0.77	0.52	12	5/30/2007	10/6/2009
			Sodium			mg/l	3.86	9.47	5.86	12	5/30/2007	10/6/2009
			Chloride			mg/l	3	3	3	12	5/30/2007	10/6/2009
			Sulfate			mg/l	9	32	23	12	5/30/2007	10/6/2009
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Boron, Dissolved			mg/l	0.01	0.02	0.01	11	5/30/2007	10/6/2009
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Copper, Dissolved	<	0.01	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Iron, Dissolved	<	0.03	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Iron, Total			mg/l	0.07	1.99	0.52	10	5/30/2007	10/6/2009
				<	0.05	mg/l	-	-	-	2	8/6/2008	10/16/2008
			Lead , Dissolved	<	0.01	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Manganese, Dissolved	<	0.002	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Manganese, Total			mg/l	0.004	0.034	0.014	7	5/30/2007	10/6/2009
				<	0.002	mg/l	-	-	-	5	10/16/2007	8/12/2009
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	11	5/30/2007	10/6/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Zinc, Dissolved			mg/l	0.004	0.010	0.005	6	5/30/2007	5/27/2009
				<	0.004	mg/l	-	-	-	6	10/16/2007	10/6/2009
			Nitrate			mg/l	0.06	0.11	0.10	9	5/30/2007	8/12/2009
				<	0.05	mg/l	-	-	-	3	10/16/2007	10/6/2009
			Nitrite	<	0.05	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Nitrogen (Ammonia)			mg/l	0.10	0.10	0.10	1	7/15/2009	7/15/2009
				<	0.1	mg/l	-	-	-	10	5/30/2007	10/6/2009
			Phosphate	<	0.05	mg/l	-	-	-	8	10/16/2007	10/6/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-16B	(field)	Flow			gpm	2.00	38.00	13.69	13	5/30/2007	10/6/2009
			pH			S.U.	6.90	8.70	8.23	12	5/30/2007	8/12/2009
			Specific Conductivity			umhos/cm	270.0	510.0	436.8	14	5/30/2007	10/6/2009
			Temp			Deg. C	6.3	20.6	12.1	13	5/30/2007	10/6/2009
		(lab)	Specific Conductivity			umhos/cm	449.0	548.0	492.6	13	5/30/2007	10/6/2009
			Total Dissolved Solids			mg/l	251	310	289	12	5/30/2007	10/6/2009
			Total Hardness (as CaCO3)			mg/l	242.0	315.0	273.6	13	5/30/2007	10/6/2009
			Calcium			mg/l	49.50	76.26	58.33	13	5/30/2007	10/6/2009
			Magnesium			mg/l	28.80	34.61	31.05	13	5/30/2007	10/6/2009
			Potassium			mg/l	0.27	0.74	0.45	12	5/30/2007	10/6/2009
			Sodium			mg/l	2.68	4.99	3.91	12	5/30/2007	10/6/2009
			Bicarbonate(HCO3-)			mg/l	232	232	232	1	7/22/2007	7/22/2007
			Carbonate (CO3-2)	<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
			Chloride			mg/l	2	3	3	13	5/30/2007	10/6/2009
			Sulfate			mg/l	9	21	14	12	5/30/2007	10/6/2009
			Aluminum, Dissolved	<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.03	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Arsenic, Dissolved	<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.01	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Boron, Dissolved			mg/l	0.01	0.02	0.01	13	5/30/2007	10/6/2009
			Cadmium, Dissolved	<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.001	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Copper, Dissolved	<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.01	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Iron, Dissolved	<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.03	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Iron, Total			mg/l	0.06	1.59	0.30	12	5/30/2007	10/6/2009
				<	0.05	mg/l	-	-	-	1	6/24/2008	6/24/2008
			Lead , Dissolved	<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.01	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Manganese, Dissolved			mg/l	0.002	0.002	0.002	1	10/16/2007	10/16/2007
				<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.002	mg/l	-	-	-	11	5/30/2007	10/6/2009
			Manganese, Total			mg/l	0.004	0.112	0.021	13	5/30/2007	10/6/2009
			Molybdenum, Dissolved	<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.005	mg/l	-	-	-	11	5/30/2007	10/6/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Zinc, Dissolved			mg/l	0.014	0.014	0.014	1	5/27/2009	5/27/2009
				<	0.004	mg/l	-	-	-	11	5/30/2007	10/6/2009
			Nitrate			mg/l	0.28	0.31	0.30	2	7/22/2007	5/27/2009
				<	0.05	mg/l	-	-	-	11	5/30/2007	10/6/2009
			Nitrite	<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.05	mg/l	-	-	-	12	5/30/2007	10/6/2009
			Nitrogen (Ammonia)			mg/l	0.10	0.10	0.10	1	7/15/2009	7/15/2009
				<	?	mg/l	-	-	-	1	7/22/2007	7/22/2007
				<	0.1	mg/l	-	-	-	10	5/30/2007	10/6/2009
			Phosphate	<	0.05	mg/l	-	-	-	9	10/16/2007	10/6/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-17	(field)	Flow			gpm	0.00	90.00	9.18	41	5/22/2000	10/5/2009
				<	?	gpm	-	-	-	1	8/14/2002	8/14/2002
			pH			S.U.	7.10	8.65	8.22	35	5/22/2000	8/4/2009
			Specific Conductivity			umhos/cm	223.0	2600.0	1639.7	39	5/22/2000	10/5/2009
			Temp			Deg. C	1.4	67.0	16.1	38	5/22/2000	10/5/2009
			Dissolved Oxygen			mg/l	6.4	8.4	7.8	4	10/19/2002	10/28/2008
		(lab)	Specific Conductivity			umhos/cm	583.0	2140.0	1799.2	37	5/22/2000	10/5/2009
			Total Dissolved Solids			mg/l	354	1839	1438	38	5/22/2000	10/5/2009
			Total Hardness (as CaCO3)			mg/l	307.0	1388.0	1034.2	38	5/22/2000	10/5/2009
			Calcium			mg/l	45.83	155.69	123.92	37	5/22/2000	10/5/2009
			Magnesium			mg/l	46.86	242.59	177.16	38	5/22/2000	10/5/2009
			Potassium			mg/l	2.67	28.30	20.45	38	5/22/2000	10/5/2009
			Sodium			mg/l	6.65	44.00	26.31	38	5/22/2000	10/5/2009
			Bicarbonate(HCO3-)			mg/l	212	376	312	18	5/22/2000	8/15/2007
			Carbonate (CO3-2)			mg/l	5	10	7	4	5/7/2001	10/9/2003
				<	?	mg/l	-	-	-	1	8/15/2007	8/15/2007
				<	5	mg/l	-	-	-	13	5/22/2000	10/11/2004
			Chloride			mg/l	4	13	9	37	5/22/2000	10/5/2009
			Sulfate			mg/l	109	1158	807	38	5/22/2000	10/5/2009
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	1	mg/l	-	-	-	4	5/22/2000	10/9/2000
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	6	5/22/2000	10/23/2006
			Boron, Dissolved			mg/l	0.10	0.70	0.40	6	5/22/2000	10/23/2006
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.01	mg/l	-	-	-	3	5/22/2000	10/9/2000
				<	0.1	mg/l	-	-	-	1	7/25/2000	7/25/2000
			Copper, Dissolved	<	0.01	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.1	mg/l	-	-	-	4	5/22/2000	10/9/2000
			Iron, Dissolved	<	?	mg/l	-	-	-	1	8/15/2007	8/15/2007
				<	0.005	mg/l	-	-	-	3	2/4/2003	10/9/2003
				<	0.01	mg/l	-	-	-	1	8/5/2003	8/5/2003
				<	0.03	mg/l	-	-	-	23	5/27/2004	10/5/2009
				<	0.1	mg/l	-	-	-	10	5/22/2000	10/14/2002
			Iron, Total			mg/l	0.03	5.25	1.58	4	10/9/2000	10/28/2008
				<	?	mg/l	-	-	-	1	8/15/2007	8/15/2007
				<	0.02	mg/l	-	-	-	3	2/4/2003	8/5/2003
				<	0.05	mg/l	-	-	-	21	8/12/2004	10/5/2009
				<	0.1	mg/l	-	-	-	9	5/22/2000	10/14/2002
			Lead , Dissolved	<	0.01	mg/l	-	-	-	1	10/23/2006	10/23/2006
				<	0.1	mg/l	-	-	-	4	5/22/2000	10/9/2000
			Manganese, Dissolved			mg/l	0.002	0.002	0.002	1	2/22/2006	2/22/2006
				<	?	mg/l	-	-	-	1	8/15/2007	8/15/2007
				<	0.002	mg/l	-	-	-	22	5/27/2004	10/5/2009
				<	0.005	mg/l	-	-	-	3	2/4/2003	10/9/2003
				<	0.01	mg/l	-	-	-	1	8/5/2003	8/5/2003
				<	0.05	mg/l	-	-	-	5	8/9/2001	10/14/2002
				<	0.1	mg/l	-	-	-	5	5/22/2000	5/7/2001

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-17	(lab)	Manganese, Total			mg/l	0.002	0.110	0.043	3	5/27/2004	10/28/2008
				<	?	mg/l	-	-	-	1	8/15/2007	8/15/2007
				<	0.002	mg/l	-	-	-	20	8/12/2004	10/5/2009
				<	0.005	mg/l	-	-	-	4	2/4/2003	10/9/2003
				<	0.05	mg/l	-	-	-	5	8/9/2001	10/14/2002
				<	0.1	mg/l	-	-	-	5	5/22/2000	5/7/2001
			Molybdenum, Dissolved			mg/l	0.040	0.040	0.040	1	5/22/2000	5/22/2000
				<	0.005	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.02	mg/l	-	-	-	2	8/7/2000	10/9/2000
				<	0.1	mg/l	-	-	-	1	7/25/2000	7/25/2000
			Selenium, Dissolved			mg/l	0.030	0.040	0.033	3	7/25/2000	8/21/2006
				<	0.01	mg/l	-	-	-	2	5/22/2000	8/7/2000
				<	0.02	mg/l	-	-	-	1	10/23/2006	10/23/2006
			Zinc, Dissolved			mg/l	0.010	0.010	0.010	1	5/22/2000	5/22/2000
				<	0.004	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.01	mg/l	-	-	-	3	7/25/2000	10/9/2000
			Nitrate			mg/l	1.70	2.54	2.08	6	5/22/2000	10/23/2006
			Nitrite	<	0.03	mg/l	-	-	-	4	5/22/2000	10/9/2000
				<	0.05	mg/l	-	-	-	2	8/21/2006	10/23/2006
			Nitrogen (Ammonia)			mg/l	0.10	0.10	0.10	1	8/21/2006	8/21/2006
				<	0.05	mg/l	-	-	-	1	7/25/2000	7/25/2000
				<	0.1	mg/l	-	-	-	1	10/23/2006	10/23/2006
				<	0.5	mg/l	-	-	-	3	5/22/2000	10/9/2000
			Phosphate	<	0.05	mg/l	-	-	-	4	5/22/2000	10/9/2000
	SBC-18 (WHR-2)	(field)	Flow			gpm	0.00	18.00	5.76	15	8/15/1993	8/5/2008
				<	0	gpm	-	-	-	1	10/20/1997	10/20/1997
			pH			S.U.	6.56	8.70	8.04	15	8/15/1993	8/5/2008
			Specific Conductivity			umhos/cm	350.0	550.0	454.3	15	8/15/1993	8/5/2008
			Temp			Deg. C	5.8	15.4	11.3	14	8/15/1993	8/5/2008
		(lab)	Specific Conductivity			umhos/cm	418.0	524.0	483.8	14	5/30/1994	8/5/2008
			Total Dissolved Solids			mg/l	240	320	273	14	8/15/1993	8/5/2008
			Total Hardness (as CaCO3)			mg/l	225.0	349.6	259.4	15	8/15/1993	8/5/2008
			Oil and Grease	<	1	mg/l	-	-	-	1	8/15/1993	8/15/1993
			Calcium			mg/l	39.00	79.00	49.86	15	8/15/1993	8/5/2008
			Magnesium			mg/l	18.00	37.00	32.10	15	8/15/1993	8/5/2008
			Potassium			mg/l	0.40	1.05	0.68	8	8/15/1993	8/5/2008
				<	1	mg/l	-	-	-	4	6/25/1997	10/20/1997
				<	2	mg/l	-	-	-	1	5/30/1994	5/30/1994
				<	5	mg/l	-	-	-	1	8/30/1994	8/30/1994
			Sodium			mg/l	2.00	7.00	4.69	14	8/15/1993	8/5/2008
			Bicarbonate(HCO3-)			mg/l	237	353	287	8	8/15/1993	7/16/2007
			Carbonate (CO3-2)	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	1	mg/l	-	-	-	3	8/15/1993	8/30/1994
				<	5	mg/l	-	-	-	4	6/25/1997	10/20/1997
			Chloride			mg/l	2	5	3	15	8/15/1993	8/5/2008
			Sulfate			mg/l	11	31	22	14	8/15/1993	8/5/2008
			Aluminum, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.03	mg/l	-	-	-	7	5/28/2007	8/5/2008
				<	1	mg/l	-	-	-	4	6/25/1997	10/20/1997
				<	2	mg/l	-	-	-	2	5/30/1994	8/30/1994

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-18 (WHR-2)	(lab)	Arsenic, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	6	5/30/1994	10/20/1997
				<	0.01	mg/l	-	-	-	7	5/28/2007	8/5/2008
			Boron, Dissolved			mg/l	0.01	0.20	0.05	11	5/30/1994	8/5/2008
				<	0.1	mg/l	-	-	-	3	6/25/1997	9/10/1997
			Cadmium, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.001	mg/l	-	-	-	7	5/28/2007	8/5/2008
				<	0.01	mg/l	-	-	-	4	6/25/1997	10/20/1997
				<	0.02	mg/l	-	-	-	2	5/30/1994	8/30/1994
			Copper, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	7	5/28/2007	8/5/2008
				<	0.1	mg/l	-	-	-	4	6/25/1997	10/20/1997
				<	0.2	mg/l	-	-	-	2	5/30/1994	8/30/1994
			Iron, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.03	mg/l	-	-	-	7	5/28/2007	8/5/2008
				<	0.1	mg/l	-	-	-	4	6/25/1997	10/20/1997
				<	0.2	mg/l	-	-	-	2	5/30/1994	8/30/1994
			Iron, Total			mg/l	0.11	1.13	0.50	10	8/15/1993	8/5/2008
				<	0.05	mg/l	-	-	-	1	6/24/2008	6/24/2008
				<	0.1	mg/l	-	-	-	3	6/25/1997	10/20/1997
				<	0.2	mg/l	-	-	-	1	5/30/1994	5/30/1994
			Lead , Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	7	5/28/2007	8/5/2008
				<	0.1	mg/l	-	-	-	4	6/25/1997	10/20/1997
				<	0.2	mg/l	-	-	-	2	5/30/1994	8/30/1994
			Manganese, Dissolved			mg/l	0.002	0.005	0.004	2	7/16/2007	8/5/2008
				<	0.002	mg/l	-	-	-	6	5/28/2007	7/2/2008
				<	0.1	mg/l	-	-	-	5	5/30/1994	10/20/1997
				<	0.2	mg/l	-	-	-	1	8/30/1994	8/30/1994
			Manganese, Total			mg/l	0.009	0.070	0.028	8	8/15/1993	8/5/2008
				<	0.002	mg/l	-	-	-	1	6/24/2008	6/24/2008
				<	0.1	mg/l	-	-	-	5	5/30/1994	10/20/1997
				<	0.2	mg/l	-	-	-	1	8/30/1994	8/30/1994
			Molybdenum, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.005	mg/l	-	-	-	7	5/28/2007	8/5/2008
				<	0.1	mg/l	-	-	-	4	6/25/1997	10/20/1997
				<	0.2	mg/l	-	-	-	2	5/30/1994	8/30/1994
			Selenium, Dissolved	<	0.01	mg/l	-	-	-	6	5/30/1994	10/20/1997
				<	0.02	mg/l	-	-	-	7	5/28/2007	8/5/2008
			Zinc, Dissolved			mg/l	0.008	0.020	0.014	2	6/25/1997	7/2/2008
				<	0.004	mg/l	-	-	-	6	5/28/2007	8/5/2008
				<	0.01	mg/l	-	-	-	3	6/25/1997	10/20/1997
				<	0.03	mg/l	-	-	-	2	5/30/1994	8/30/1994
			Nitrate			mg/l	0.07	0.21	0.13	14	8/15/1993	8/5/2008
				<	0.1	mg/l	-	-	-	1	10/20/1997	10/20/1997
			Nitrite	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	6	5/30/1994	10/20/1997
				<	0.02	mg/l	-	-	-	1	8/15/1993	8/15/1993
				<	0.05	mg/l	-	-	-	7	5/28/2007	8/5/2008

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-18 (WHR-2)	(lab)	Nitrogen (Ammonia)			mg/l	0.10	0.10	0.10	1	8/5/2008	8/5/2008
				<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.05	mg/l	-	-	-	1	6/25/1997	6/25/1997
				<	0.08	mg/l	-	-	-	1	8/15/1993	8/15/1993
				<	0.1	mg/l	-	-	-	5	5/28/2007	7/2/2008
				<	0.4	mg/l	-	-	-	2	5/30/1994	8/30/1994
				<	0.5	mg/l	-	-	-	3	6/25/1997	10/20/1997
			Phosphate			mg/l	0.02	0.02	0.02	3	6/25/1997	9/10/1997
				<	0.02	mg/l	-	-	-	2	5/30/1994	8/30/1994
				<	0.05	mg/l	-	-	-	4	10/16/2007	8/5/2008
	SBC-20 (16-8-18-4)	(field)	Flow			gpm	0.50	5.00	3.90	5	5/28/2007	8/5/2008
			pH			S.U.	7.70	8.30	8.03	6	5/28/2007	8/5/2008
			Specific Conductivity			umhos/cm	380.0	690.0	533.7	6	5/28/2007	8/5/2008
			Temp			Deg. C	7.5	12.7	9.1	6	5/28/2007	8/5/2008
		(lab)	Specific Conductivity			umhos/cm	542.0	606.0	584.3	6	5/28/2007	8/5/2008
			Total Dissolved Solids			mg/l	306	351	336	6	5/28/2007	8/5/2008
			Total Hardness (as CaCO3)			mg/l	293.0	319.0	311.5	6	5/28/2007	8/5/2008
			Calcium			mg/l	79.51	87.50	85.24	6	5/28/2007	8/5/2008
			Magnesium			mg/l	23.04	24.50	24.05	6	5/28/2007	8/5/2008
			Potassium			mg/l	0.40	0.84	0.70	6	5/28/2007	8/5/2008
			Sodium			mg/l	2.11	2.49	2.36	6	5/28/2007	8/5/2008
			Chloride			mg/l	2	2	2	6	5/28/2007	8/5/2008
			Sulfate			mg/l	7	8	7	6	5/28/2007	8/5/2008
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Boron, Dissolved			mg/l	0.01	0.01	0.01	6	5/28/2007	8/5/2008
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Copper, Dissolved	<	0.01	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Iron, Dissolved	<	0.03	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Iron, Total			mg/l	0.34	0.48	0.38	5	5/28/2007	8/5/2008
				<	0.05	mg/l	-	-	-	1	7/2/2008	7/2/2008
			Lead , Dissolved	<	0.01	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Manganese, Dissolved	<	0.002	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Manganese, Total			mg/l	0.016	0.032	0.021	5	5/28/2007	8/5/2008
				<	0.002	mg/l	-	-	-	1	7/2/2008	7/2/2008
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Zinc, Dissolved			mg/l	0.004	0.004	0.004	1	6/24/2008	6/24/2008
			Zinc, Dissolved	<	0.004	mg/l	-	-	-	5	5/28/2007	8/5/2008
			Nitrate			mg/l	0.18	0.32	0.22	4	5/28/2007	8/5/2008
				<	0.05	mg/l	-	-	-	2	6/24/2008	7/2/2008
			Nitrite			mg/l	0.100	0.100	0.100	1	8/5/2008	8/5/2008
				<	0.05	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Nitrogen (Ammonia)	<	0.1	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Phosphate	<	0.05	mg/l	-	-	-	3	6/24/2008	8/5/2008

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-21	(field)	Flow			gpm	0.50	8.00	4.58	6	5/28/2007	8/5/2008
			pH			S.U.	7.40	7.80	7.54	7	5/28/2007	8/5/2008
			Specific Conductivity			umhos/cm	400.0	850.0	541.4	7	5/28/2007	8/5/2008
			Temp			Deg. C	5.6	10.2	7.6	6	5/28/2007	8/5/2008
		(lab)	Specific Conductivity			umhos/cm	545.0	600.0	575.1	7	5/28/2007	8/5/2008
			Total Dissolved Solids			mg/l	298	341	320	6	5/28/2007	8/5/2008
			Total Hardness (as CaCO3)			mg/l	285.0	309.0	297.7	7	5/28/2007	8/5/2008
			Calcium			mg/l	63.50	84.16	75.49	7	5/28/2007	8/5/2008
			Magnesium			mg/l	23.70	30.60	26.59	7	5/28/2007	8/5/2008
			Potassium			mg/l	0.24	0.44	0.29	6	5/28/2007	8/5/2008
			Sodium			mg/l	2.51	3.67	2.83	6	5/28/2007	8/5/2008
			Bicarbonate(HCO3-)			mg/l	275	275	275	1	8/20/2007	8/20/2007
			Carbonate (CO3-2)	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
			Chloride			mg/l	2	3	2	7	5/28/2007	8/5/2008
			Sulfate			mg/l	7	14	9	6	5/28/2007	8/5/2008
			Aluminum, Dissolved	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.03	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Arsenic, Dissolved	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.01	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Boron, Dissolved			mg/l	0.01	0.02	0.02	2	8/20/2007	8/5/2008
				<	0.01	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Cadmium, Dissolved	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.001	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Copper, Dissolved	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.01	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Iron, Dissolved	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.03	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Iron, Total			mg/l	0.75	0.75	0.75	1	8/20/2007	8/20/2007
				<	0.05	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Lead , Dissolved	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.01	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Manganese, Dissolved	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.002	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Manganese, Total			mg/l	0.037	0.037	0.037	1	8/20/2007	8/20/2007
				<	0.002	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Zinc, Dissolved			mg/l	0.007	0.007	0.007	1	7/2/2008	7/2/2008
				<	0.004	mg/l	-	-	-	5	5/28/2007	8/5/2008
			Nitrate			mg/l	0.09	0.23	0.20	5	5/28/2007	8/5/2008
				<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.05	mg/l	-	-	-	1	7/2/2008	7/2/2008
			Nitrite	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.05	mg/l	-	-	-	6	5/28/2007	8/5/2008
			Nitrogen (Ammonia)			mg/l	0.30	0.30	0.30	1	8/5/2008	8/5/2008
				<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.1	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Phosphate	<	0.05	mg/l	-	-	-	3	6/25/2008	8/5/2008

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-22	(field)	Flow			gpm	0.10	10.00	4.39	13	5/30/2007	8/11/2009
			pH			S.U.	6.40	8.30	7.79	12	5/30/2007	8/11/2009
			Specific Conductivity			umhos/cm	290.0	570.0	490.0	13	5/30/2007	8/11/2009
			Temp			Deg. C	5.0	11.2	7.1	12	5/30/2007	8/11/2009
		(lab)	Specific Conductivity			umhos/cm	542.0	617.0	570.1	12	5/30/2007	8/11/2009
			Total Dissolved Solids			mg/l	308	357	334	11	5/30/2007	8/11/2009
			Total Hardness (as CaCO3)			mg/l	299.0	319.0	307.3	12	5/30/2007	8/11/2009
			Calcium			mg/l	77.33	86.06	80.57	12	5/30/2007	8/11/2009
			Magnesium			mg/l	23.95	26.55	25.77	12	5/30/2007	8/11/2009
			Potassium			mg/l	0.43	2.15	0.75	11	5/30/2007	8/11/2009
			Sodium			mg/l	3.25	4.04	3.83	11	5/30/2007	8/11/2009
			Bicarbonate(HCO3-)			mg/l	303	303	303	1	7/16/2007	7/16/2007
			Carbonate (CO3-2)	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
			Chloride			mg/l	3	4	3	12	5/30/2007	8/11/2009
			Sulfate			mg/l	8	12	10	11	5/30/2007	8/11/2009
			Aluminum, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.03	mg/l	-	-	-	11	5/30/2007	8/11/2009
			Arsenic, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	11	5/30/2007	8/11/2009
			Boron, Dissolved			mg/l	0.01	0.02	0.01	12	5/30/2007	8/11/2009
			Cadmium, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.001	mg/l	-	-	-	11	5/30/2007	8/11/2009
			Copper, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	11	5/30/2007	8/11/2009
			Iron, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.03	mg/l	-	-	-	11	5/30/2007	8/11/2009
			Iron, Total			mg/l	0.23	0.74	0.50	7	5/30/2007	5/27/2009
				<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.05	mg/l	-	-	-	4	6/3/2008	8/11/2009
			Lead , Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	11	5/30/2007	8/11/2009
			Manganese, Dissolved			mg/l	0.003	0.005	0.004	5	7/16/2007	8/11/2009
				<	0.002	mg/l	-	-	-	7	5/30/2007	5/27/2009
			Manganese, Total			mg/l	0.004	0.042	0.023	11	5/30/2007	8/11/2009
				<	0.002	mg/l	-	-	-	1	6/3/2008	6/3/2008
			Molybdenum, Dissolved			mg/l	0.005	0.005	0.005	1	7/16/2007	7/16/2007
				<	0.005	mg/l	-	-	-	11	5/30/2007	8/11/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	11	5/30/2007	8/11/2009
			Zinc, Dissolved			mg/l	0.004	0.010	0.007	7	5/30/2007	8/11/2009
				<	0.004	mg/l	-	-	-	4	6/3/2008	5/27/2009
			Nitrate			mg/l	0.06	0.14	0.10	10	5/30/2007	8/11/2009
				<	0.05	mg/l	-	-	-	2	5/27/2009	7/15/2009
			Nitrite			mg/l	0.050	0.080	0.065	2	7/16/2007	10/28/2007
				<	0.05	mg/l	-	-	-	10	5/30/2007	8/11/2009
			Nitrogen (Ammonia)			mg/l	0.10	0.20	0.15	2	7/16/2007	6/3/2008
				<	0.1	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Phosphate			mg/l	0.12	0.12	0.12	1	10/28/2007	10/28/2007
				<	0.05	mg/l	-	-	-	6	6/3/2008	8/11/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-23 (FBC-12)	(field)	Flow			gpm	0.00	100.00	26.91	11	6/29/1993	7/9/2008
			pH			S.U.	7.65	8.51	7.98	10	6/29/1993	10/28/2007
			Specific Conductivity			umhos/cm	340.0	564.0	465.5	10	6/29/1993	10/28/2007
			Temp			Deg. C	4.4	13.5	9.3	10	6/29/1993	10/28/2007
			Dissolved Oxygen			mg/l	5.1	5.1	5.1	1	6/29/1993	6/29/1993
		(lab)	Specific Conductivity			umhos/cm	350.0	470.0	439.2	9	10/15/1993	10/28/2007
			Total Dissolved Solids			mg/l	199	2940	493	11	6/29/1993	10/28/2007
			Total Hardness (as CaCO3)			mg/l	178.0	564.0	271.3	11	6/29/1993	10/28/2007
			Total Settleable Solids			mg/l	2.0	2.0	2.0	1	8/29/1993	8/29/1993
			Total Suspended Solids			mg/l	11	11	11	1	8/29/1993	8/29/1993
			Oil and Grease			mg/l	1.0	2.1	1.6	2	6/29/1993	8/29/1993
			Calcium			mg/l	35.00	140.00	56.04	11	6/29/1993	10/28/2007
			Magnesium			mg/l	16.00	52.00	31.83	11	6/29/1993	10/28/2007
			Potassium			mg/l	0.62	3.80	1.75	4	6/29/1993	10/28/2007
				<	1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	2	mg/l	-	-	-	1	6/15/1994	6/15/1994
				<	5	mg/l	-	-	-	2	8/29/1994	10/30/1994
				<	10	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Sodium			mg/l	2.31	5.60	3.82	9	6/29/1993	10/28/2007
				<	5	mg/l	-	-	-	1	8/29/1994	8/29/1994
				<	10	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Bicarbonate(HCO3-)			mg/l	255	461	302	9	6/29/1993	10/15/1997
			Carbonate (CO3-2)	<	0.4	mg/l	-	-	-	1	6/29/1993	6/29/1993
				<	1	mg/l	-	-	-	5	8/29/1993	10/30/1994
				<	5	mg/l	-	-	-	3	6/25/1997	10/15/1997
			Chloride			mg/l	1	8	4	11	6/29/1993	10/28/2007
			Sulfate			mg/l	2	70	22	11	6/29/1993	10/28/2007
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	10/28/2007	10/28/2007
				<	1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	2	mg/l	-	-	-	3	6/15/1994	10/30/1994
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	6	6/15/1994	10/15/1997
				<	0.01	mg/l	-	-	-	1	10/28/2007	10/28/2007
			Boron, Dissolved			mg/l	0.01	0.10	0.07	7	6/15/1994	10/28/2007
				<	0.1	mg/l	-	-	-	1	6/25/1997	6/25/1997
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	2	5/30/2007	10/28/2007
				<	0.01	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.02	mg/l	-	-	-	3	6/15/1994	10/30/1994
			Copper, Dissolved	<	0.01	mg/l	-	-	-	2	5/30/2007	10/28/2007
				<	0.1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/30/1994
			Iron, Dissolved			mg/l	0.26	0.26	0.26	1	6/29/1993	6/29/1993
				<	0.03	mg/l	-	-	-	2	5/30/2007	10/28/2007
				<	0.1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/30/1994
				<	0.2	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Iron, Total			mg/l	0.10	38.50	5.94	9	6/29/1993	10/28/2007
				<	0.1	mg/l	-	-	-	1	6/25/1997	6/25/1997
				<	0.2	mg/l	-	-	-	1	6/15/1994	6/15/1994

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-23 (FBC-12)	(lab)	Lead , Dissolved	<	0.003	mg/l	-	-	-	1	6/29/1993	6/29/1993
				<	0.01	mg/l	-	-	-	2	5/30/2007	10/28/2007
				<	0.1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/30/1994
			Manganese, Dissolved			mg/l	0.080	0.100	0.090	2	6/29/1993	10/15/1993
				<	0.002	mg/l	-	-	-	2	5/30/2007	10/28/2007
				<	0.1	mg/l	-	-	-	4	6/15/1994	10/15/1997
				<	0.2	mg/l	-	-	-	2	8/29/1994	10/30/1994
			Manganese, Total			mg/l	0.113	1.410	0.574	3	8/29/1993	10/28/2007
				<	0.03	mg/l	-	-	-	1	10/15/1993	10/15/1993
				<	0.1	mg/l	-	-	-	4	6/15/1994	10/15/1997
				<	0.2	mg/l	-	-	-	2	8/29/1994	10/30/1994
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	2	5/30/2007	10/28/2007
				<	0.02	mg/l	-	-	-	1	6/15/1994	6/15/1994
				<	0.1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.2	mg/l	-	-	-	2	8/29/1994	10/30/1994
			Selenium, Dissolved	<	0.01	mg/l	-	-	-	6	6/15/1994	10/15/1997
				<	0.02	mg/l	-	-	-	2	5/30/2007	10/28/2007
			Zinc, Dissolved			mg/l	0.006	0.030	0.017	5	6/29/1993	10/28/2007
				<	0.004	mg/l	-	-	-	1	5/30/2007	5/30/2007
				<	0.01	mg/l	-	-	-	1	9/10/1997	9/10/1997
			Zinc, Dissolved	<	0.03	mg/l	-	-	-	4	10/15/1993	10/30/1994
			Nitrate			mg/l	0.18	0.50	0.33	11	6/29/1993	10/28/2007
			Nitrite			mg/l	0.010	0.030	0.020	2	6/29/1993	10/30/1994
				<	0.01	mg/l	-	-	-	5	6/15/1994	10/15/1997
				<	0.02	mg/l	-	-	-	2	8/29/1993	10/15/1993
				<	0.05	mg/l	-	-	-	2	5/30/2007	10/28/2007
			Nitrogen (Ammonia)			mg/l	0.09	0.09	0.09	1	8/29/1993	8/29/1993
				<	0.08	mg/l	-	-	-	2	6/29/1993	10/15/1993
				<	0.1	mg/l	-	-	-	1	5/30/2007	5/30/2007
				<	0.4	mg/l	-	-	-	3	6/15/1994	10/30/1994
				<	0.5	mg/l	-	-	-	3	6/25/1997	10/15/1997
			Phosphate			mg/l	0.00	0.12	0.04	6	10/15/1993	9/10/1997
				<	0.05	mg/l	-	-	-	1	10/28/2007	10/28/2007
	SBC-4	(field)	Flow			gpm	92.00	165.00	121.33	15	5/22/2000	8/29/2005
			pH			S.U.	6.45	7.65	7.07	44	5/22/2000	2/26/2010
			Specific Conductivity			umhos/cm	4.9	800.0	514.4	48	5/22/2000	2/26/2010
			Temp			Deg. C	3.0	18.0	11.3	47	5/22/2000	2/26/2010
		(lab)	Specific Conductivity			umhos/cm	544.0	826.0	650.7	44	5/22/2000	2/26/2010
			Total Dissolved Solids			mg/l	311	483	366	45	5/22/2000	2/26/2010
			Total Hardness (as CaCO3)			mg/l	143.0	431.0	337.3	46	5/22/2000	2/26/2010
			Total Settleable Solids	<	0.1	mg/l	-	-	-	1	8/30/2002	8/30/2002
			Total Suspended Solids			mg/l	24	24	24	1	8/30/2002	8/30/2002
			Oil and Grease	<	2	mg/l	-	-	-	35	5/22/2000	5/14/2008
				<	5	mg/l	-	-	-	5	8/20/2008	2/26/2010
			Calcium			mg/l	42.20	95.50	79.17	44	5/22/2000	2/26/2010
			Magnesium			mg/l	9.24	46.80	33.93	45	5/22/2000	2/26/2010
				<	?	mg/l	-	-	-	2	2/27/2008	2/27/2008
			Potassium			mg/l	1.00	2.34	1.48	45	5/22/2000	2/26/2010
			Sodium			mg/l	4.00	7.11	4.69	45	5/22/2000	2/26/2010
			Bicarbonate(HCO3-)			mg/l	288	411	340	21	5/22/2000	2/27/2008

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-4	(lab)	Carbonate (CO3-2)	<	?	mg/l	-	-	-	1	2/27/2008	2/27/2008
				<	5	mg/l	-	-	-	19	5/22/2000	10/13/2004
			Chloride			mg/l	3	7	4	45	5/22/2000	2/26/2010
			Sulfate			mg/l	3	114	52	45	5/22/2000	2/26/2010
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	2	8/31/2000	8/30/2006
			Boron, Dissolved			mg/l	0.02	0.02	0.02	1	8/30/2006	8/30/2006
				<	0.1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	0.01	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	0.1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Iron, Dissolved			mg/l	0.54	0.54	0.54	1	8/29/2005	8/29/2005
				<	?	mg/l	-	-	-	2	2/27/2008	2/27/2008
				<	0.005	mg/l	-	-	-	3	2/4/2003	8/19/2003
				<	0.03	mg/l	-	-	-	28	2/25/2004	2/26/2010
				<	0.1	mg/l	-	-	-	11	5/22/2000	10/29/2002
			Iron, Total			mg/l	0.03	0.54	0.29	2	8/19/2003	8/29/2005
				<	?	mg/l	-	-	-	2	2/27/2008	2/27/2008
				<	0.02	mg/l	-	-	-	2	2/4/2003	5/8/2003
				<	0.05	mg/l	-	-	-	28	2/25/2004	2/26/2010
				<	0.1	mg/l	-	-	-	11	5/22/2000	10/29/2002
			Lead , Dissolved	<	0.01	mg/l	-	-	-	20	8/29/2005	2/26/2010
				<	0.1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Manganese, Dissolved			mg/l	0.002	0.005	0.004	4	8/29/2005	2/22/2007
				<	?	mg/l	-	-	-	1	2/27/2008	2/27/2008
				<	0.002	mg/l	-	-	-	25	2/25/2004	2/26/2010
				<	0.005	mg/l	-	-	-	3	2/4/2003	8/19/2003
				<	0.05	mg/l	-	-	-	6	8/31/2001	10/29/2002
				<	0.1	mg/l	-	-	-	5	5/22/2000	5/23/2001
			Manganese, Total			mg/l	0.002	0.005	0.004	4	8/29/2005	2/22/2007
				<	?	mg/l	-	-	-	1	2/27/2008	2/27/2008
				<	0.002	mg/l	-	-	-	25	2/25/2004	2/26/2010
				<	0.005	mg/l	-	-	-	3	2/4/2003	8/19/2003
				<	0.05	mg/l	-	-	-	6	8/31/2001	10/29/2002
				<	0.1	mg/l	-	-	-	5	5/22/2000	5/23/2001
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	0.02	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Selenium, Dissolved			mg/l	0.020	0.020	0.020	1	8/30/2006	8/30/2006
				<	0.01	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Zinc, Dissolved			mg/l	0.007	0.007	0.007	1	8/30/2006	8/30/2006
				<	0.01	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Nitrate			mg/l	0.09	0.15	0.13	3	8/31/2000	8/30/2006
			Nitrite	<	0.03	mg/l	-	-	-	1	8/31/2000	8/31/2000
				<	0.05	mg/l	-	-	-	1	8/30/2006	8/30/2006
			Nitrogen (Ammonia)	<	0.1	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	0.5	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Phosphate	<	0.05	mg/l	-	-	-	2	8/31/2000	2/25/2004

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-5	(field)	Flow			gpm	16.00	28.50	24.30	15	8/31/2000	6/1/2004
			pH			S.U.	6.40	8.65	7.05	45	5/22/2000	2/26/2010
			Specific Conductivity			umhos/cm	11.0	800.0	581.5	46	5/22/2000	2/26/2010
			Temp			Deg. C	6.0	17.0	11.7	46	5/22/2000	2/26/2010
		(lab)	Specific Conductivity			umhos/cm	596.0	1023.0	775.0	44	5/22/2000	2/26/2010
			Total Dissolved Solids			mg/l	331	584	451	44	5/22/2000	2/26/2010
			Total Hardness (as CaCO3)			mg/l	311.0	462.0	409.3	44	5/22/2000	2/26/2010
			Total Settleable Solids	<	0.1	mg/l	-	-	-	1	8/30/2002	8/30/2002
			Total Suspended Solids	<	5	mg/l	-	-	-	1	8/30/2002	8/30/2002
			Oil and Grease	<	2	mg/l	-	-	-	35	5/22/2000	5/14/2008
				<	5	mg/l	-	-	-	5	8/20/2008	2/26/2010
			Calcium			mg/l	72.20	101.00	91.27	44	5/22/2000	2/26/2010
			Magnesium			mg/l	31.00	51.00	44.08	44	5/22/2000	2/26/2010
			Potassium			mg/l	1.16	4.00	2.17	44	5/22/2000	2/26/2010
			Sodium			mg/l	4.04	8.00	6.14	44	5/22/2000	2/26/2010
			Bicarbonate(HCO3-)			mg/l	291	417	380	19	5/22/2000	10/13/2004
			Carbonate (CO3-2)	<	5	mg/l	-	-	-	19	5/22/2000	10/13/2004
			Chloride			mg/l	3	8	6	44	5/22/2000	2/26/2010
			Sulfate			mg/l	39	149	92	44	5/22/2000	2/26/2010
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Arsenic, Dissolved			mg/l	0.015	0.015	0.015	1	8/30/2006	8/30/2006
				<	0.01	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Boron, Dissolved			mg/l	0.02	0.02	0.02	1	8/30/2006	8/30/2006
				<	0.1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	0.01	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	0.1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Iron, Dissolved			mg/l	0.08	0.08	0.08	1	8/25/2004	8/25/2004
				<	0.005	mg/l	-	-	-	4	2/4/2003	10/16/2003
				<	0.03	mg/l	-	-	-	28	2/25/2004	2/26/2010
				<	0.1	mg/l	-	-	-	11	5/22/2000	10/29/2002
			Iron, Total			mg/l	0.04	1.00	0.18	11	2/4/2003	2/26/2010
				<	0.02	mg/l	-	-	-	3	5/8/2003	10/16/2003
				<	0.05	mg/l	-	-	-	19	2/25/2004	10/7/2009
				<	0.1	mg/l	-	-	-	11	5/22/2000	10/29/2002
			Lead , Dissolved	<	0.01	mg/l	-	-	-	2	8/30/2006	2/17/2009
				<	0.1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Manganese, Dissolved			mg/l	0.002	0.012	0.005	3	8/25/2004	2/26/2010
				<	0.002	mg/l	-	-	-	26	2/25/2004	10/7/2009
				<	0.005	mg/l	-	-	-	4	2/4/2003	10/16/2003
				<	0.05	mg/l	-	-	-	6	8/31/2001	10/29/2002
				<	0.1	mg/l	-	-	-	5	5/22/2000	5/23/2001
			Manganese, Total			mg/l	0.010	0.063	0.024	10	2/4/2003	2/26/2010
				<	0.002	mg/l	-	-	-	20	2/25/2004	10/7/2009
				<	0.005	mg/l	-	-	-	3	5/8/2003	10/16/2003
				<	0.05	mg/l	-	-	-	6	8/31/2001	10/29/2002
				<	0.1	mg/l	-	-	-	5	5/22/2000	5/23/2001

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-5	(lab)	Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	0.02	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Selenium, Dissolved			mg/l	0.020	0.020	0.020	1	8/30/2006	8/30/2006
				<	0.01	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Zinc, Dissolved			mg/l	0.025	0.025	0.025	1	8/30/2006	8/30/2006
				<	0.01	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Nitrate			mg/l	0.05	0.08	0.06	3	8/31/2000	8/30/2006
			Nitrite	<	0.03	mg/l	-	-	-	1	8/31/2000	8/31/2000
				<	0.05	mg/l	-	-	-	1	8/30/2006	8/30/2006
			Nitrogen (Ammonia)	<	0.1	mg/l	-	-	-	1	8/30/2006	8/30/2006
				<	0.5	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Phosphate	<	0.05	mg/l	-	-	-	2	8/31/2000	2/25/2004
	SBC-9a	(field)	Flow			gpm	1.00	330.00	34.11	33	9/25/2002	10/5/2009
			pH			S.U.	6.87	9.18	7.33	31	9/25/2002	8/5/2009
			Specific Conductivity			umhos/cm	320.0	2200.0	699.5	33	9/25/2002	10/5/2009
			Temp			Deg. C	5.1	17.8	12.9	33	9/25/2002	10/5/2009
			Dissolved Oxygen			mg/l	7.6	7.6	7.6	1	2/12/2009	2/12/2009
		(lab)	Specific Conductivity			umhos/cm	609.0	1156.0	780.5	29	9/25/2002	2/25/2010
			Total Dissolved Solids			mg/l	366	842	460	29	9/25/2002	2/25/2010
			Total Hardness (as CaCO3)			mg/l	325.0	630.0	415.7	29	9/25/2002	2/25/2010
			Oil and Grease	<	2	mg/l	-	-	-	3	10/22/2002	5/20/2008
			Calcium			mg/l	6.36	150.00	97.45	29	9/25/2002	2/25/2010
			Magnesium			mg/l	31.80	62.00	39.92	29	9/25/2002	2/25/2010
			Potassium			mg/l	1.54	5.00	2.80	29	9/25/2002	2/25/2010
			Sodium			mg/l	4.63	17.00	6.90	29	9/25/2002	2/25/2010
			Bicarbonate(HCO3-)			mg/l	359	421	386	5	9/25/2002	2/18/2004
			Carbonate (CO3-2)	<	5	mg/l	-	-	-	5	9/25/2002	2/18/2004
			Chloride			mg/l	4	7	4	29	9/25/2002	2/25/2010
			Sulfate			mg/l	48	347	87	29	9/25/2002	2/25/2010
			Aluminum, Dissolved	<	0.01	mg/l	-	-	-	2	2/6/2003	5/26/2003
				<	0.03	mg/l	-	-	-	7	2/18/2004	10/23/2006
				<	0.5	mg/l	-	-	-	1	10/22/2002	10/22/2002
			Arsenic, Dissolved	<	0.005	mg/l	-	-	-	2	2/6/2003	5/26/2003
				<	0.01	mg/l	-	-	-	7	10/22/2002	10/23/2006
			Boron, Dissolved			mg/l	0.03	0.36	0.10	9	10/22/2002	10/23/2006
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	7	2/18/2004	10/23/2006
				<	0.003	mg/l	-	-	-	2	2/6/2003	5/26/2003
				<	0.01	mg/l	-	-	-	1	10/22/2002	10/22/2002
			Copper, Dissolved			mg/l	0.02	0.44	0.23	2	11/7/2005	8/29/2006
				<	0.01	mg/l	-	-	-	6	5/26/2003	10/23/2006
				<	0.1	mg/l	-	-	-	1	10/22/2002	10/22/2002
			Iron, Dissolved			mg/l	0.10	0.32	0.21	2	9/25/2002	11/7/2005
				<	0.005	mg/l	-	-	-	2	2/6/2003	5/26/2003
				<	0.03	mg/l	-	-	-	24	2/18/2004	2/25/2010
				<	0.1	mg/l	-	-	-	1	10/22/2002	10/22/2002
			Iron, Total			mg/l	0.05	4.30	0.50	15	9/25/2002	2/25/2010
				<	0.02	mg/l	-	-	-	1	5/26/2003	5/26/2003
				<	0.05	mg/l	-	-	-	13	2/18/2004	8/5/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SBC-9a	(lab)	Lead , Dissolved			mg/l	0.02	0.02	0.02	1	11/7/2005	11/7/2005
				<	0.005	mg/l	-	-	-	2	2/6/2003	5/26/2003
				<	0.01	mg/l	-	-	-	15	2/18/2004	2/25/2010
				<	0.1	mg/l	-	-	-	1	10/22/2002	10/22/2002
			Manganese, Dissolved			mg/l	0.002	0.060	0.008	24	9/25/2002	8/5/2009
				<	0.002	mg/l	-	-	-	5	2/24/2006	2/25/2010
			Manganese, Total			mg/l	0.002	0.104	0.013	27	9/25/2002	2/25/2010
				<	0.002	mg/l	-	-	-	2	2/24/2006	5/20/2008
			Molybdenum, Dissolved			mg/l	0.005	0.005	0.005	1	5/26/2003	5/26/2003
				<	0.005	mg/l	-	-	-	9	10/22/2002	10/23/2006
			Selenium, Dissolved			mg/l	0.009	0.020	0.015	2	5/26/2003	8/29/2006
				<	0.005	mg/l	-	-	-	1	2/6/2003	2/6/2003
				<	0.01	mg/l	-	-	-	1	10/22/2002	10/22/2002
				<	0.02	mg/l	-	-	-	3	5/30/2006	10/23/2006
			Zinc, Dissolved			mg/l	0.010	3.460	0.539	7	2/18/2004	10/23/2006
				<	0.005	mg/l	-	-	-	2	2/6/2003	5/26/2003
				<	0.01	mg/l	-	-	-	1	10/22/2002	10/22/2002
			Nitrate			mg/l	0.03	0.15	0.08	8	2/6/2003	10/23/2006
				<	0.03	mg/l	-	-	-	1	10/22/2002	10/22/2002
			Nitrite	<	0.03	mg/l	-	-	-	4	10/22/2002	2/18/2004
				<	0.05	mg/l	-	-	-	5	2/24/2005	10/23/2006
			Nitrogen (Ammonia)			mg/l	0.20	0.40	0.30	2	10/22/2002	5/26/2003
				<	0.1	mg/l	-	-	-	7	2/6/2003	10/23/2006
			Phosphate	<	0.05	mg/l	-	-	-	1	2/18/2004	2/18/2004
	SCC-1 (16-8-20-1)	(field)	Flow			gpm	8.00	10.00	9.00	2	10/11/2007	6/11/2008
			pH			S.U.	7.50	8.20	7.77	3	10/11/2007	7/2/2008
			Specific Conductivity			umhos/cm	450.0	730.0	600.0	3	10/11/2007	7/2/2008
			Temp			Deg. C	8.7	12.4	10.6	2	10/11/2007	6/11/2008
		(lab)	Specific Conductivity			umhos/cm	507.0	751.0	615.0	3	10/11/2007	7/2/2008
			Total Dissolved Solids			mg/l	282	398	339	3	10/11/2007	7/2/2008
			Total Hardness (as CaCO3)			mg/l	264.0	308.0	288.0	3	10/11/2007	7/2/2008
			Calcium			mg/l	59.70	71.24	67.33	3	10/11/2007	7/2/2008
			Magnesium			mg/l	27.66	31.76	29.14	3	10/11/2007	7/2/2008
			Potassium			mg/l	0.66	1.25	1.04	3	10/11/2007	7/2/2008
			Sodium			mg/l	2.91	34.22	17.22	3	10/11/2007	7/2/2008
			Chloride			mg/l	2	5	4	3	10/11/2007	7/2/2008
			Sulfate			mg/l	23	60	40	3	10/11/2007	7/2/2008
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Boron, Dissolved			mg/l	0.01	0.02	0.02	3	10/11/2007	7/2/2008
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Copper, Dissolved	<	0.01	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Iron, Dissolved	<	0.03	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Iron, Total			mg/l	0.11	0.11	0.11	2	10/11/2007	6/11/2008
				<	0.05	mg/l	-	-	-	1	7/2/2008	7/2/2008
			Lead , Dissolved	<	0.01	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Manganese, Dissolved			mg/l	0.002	0.002	0.002	1	10/11/2007	10/11/2007
				<	0.002	mg/l	-	-	-	2	6/11/2008	7/2/2008
			Manganese, Total			mg/l	0.005	0.007	0.006	2	10/11/2007	6/11/2008
				<	0.002	mg/l	-	-	-	1	7/2/2008	7/2/2008

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SCC-1 (16-8-20-1)	(lab)	Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Zinc, Dissolved	<	0.004	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Nitrate	<	0.05	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Nitrite	<	0.05	mg/l	-	-	-	3	10/11/2007	7/2/2008
			Nitrogen (Ammonia)			mg/l	0.30	0.30	0.30	1	6/11/2008	6/11/2008
				<	0.1	mg/l	-	-	-	1	7/2/2008	7/2/2008
			Phosphate	<	0.05	mg/l	-	-	-	3	10/11/2007	7/2/2008
	SCC-2 (16-8-18-5)	(field)	Flow			gpm	2.00	40.00	17.80	10	5/28/2007	10/7/2009
			pH			S.U.	6.90	8.60	8.07	10	5/28/2007	10/8/2008
			Specific Conductivity			umhos/cm	420.0	570.0	481.8	11	5/28/2007	10/7/2009
			Temp			Deg. C	7.5	12.9	10.2	9	5/28/2007	10/7/2009
		(lab)	Specific Conductivity			umhos/cm	464.0	593.0	522.4	10	5/28/2007	10/7/2009
			Total Dissolved Solids			mg/l	256	314	283	8	5/28/2007	10/7/2009
			Total Hardness (as CaCO3)			mg/l	263.0	301.0	277.8	10	5/28/2007	10/7/2009
			Calcium			mg/l	61.38	79.11	69.58	10	5/28/2007	10/7/2009
			Magnesium			mg/l	0.01	27.38	22.73	10	5/28/2007	10/7/2009
				<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
			Potassium			mg/l	0.28	0.67	0.45	8	5/28/2007	10/7/2009
			Sodium			mg/l	2.65	3.05	2.88	8	5/28/2007	10/7/2009
			Bicarbonate(HCO3-)			mg/l	254	259	257	2	7/16/2007	8/20/2007
			Carbonate (CO3-2)	<	?	mg/l	-	-	-	2	7/16/2007	8/20/2007
			Chloride			mg/l	2	3	3	10	5/28/2007	10/7/2009
			Sulfate			mg/l	14	22	17	8	5/28/2007	10/7/2009
			Aluminum, Dissolved	<	?	mg/l	-	-	-	2	7/16/2007	8/20/2007
				<	0.03	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Arsenic, Dissolved	<	?	mg/l	-	-	-	2	7/16/2007	8/20/2007
				<	0.01	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Boron, Dissolved			mg/l	0.01	0.01	0.01	9	5/28/2007	10/7/2009
				<	0.01	mg/l	-	-	-	1	6/11/2008	6/11/2008
			Cadmium, Dissolved	<	?	mg/l	-	-	-	2	7/16/2007	8/20/2007
				<	0.001	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Copper, Dissolved	<	?	mg/l	-	-	-	3	7/16/2007	8/20/2007
				<	0.01	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Iron, Dissolved	<	?	mg/l	-	-	-	1	8/20/2007	8/20/2007
				<	0.03	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Iron, Total			mg/l	0.07	0.17	0.12	2	10/8/2008	10/7/2009
				<	?	mg/l	-	-	-	2	7/16/2007	8/20/2007
				<	0.05	mg/l	-	-	-	6	5/28/2007	8/6/2008
			Lead , Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Manganese, Dissolved	<	0.002	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Manganese, Total			mg/l	0.003	0.012	0.008	2	10/8/2008	10/7/2009
				<	?	mg/l	-	-	-	2	7/16/2007	8/20/2007
				<	0.002	mg/l	-	-	-	6	5/28/2007	8/6/2008
			Molybdenum, Dissolved	<	?	mg/l	-	-	-	2	7/16/2007	8/20/2007
				<	0.005	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Zinc, Dissolved	<	0.004	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Nitrate			mg/l	0.05	0.22	0.09	10	5/28/2007	10/7/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SCC-2 (16-8-18-5)	(lab)	Nitrite	<	?	mg/l	-	-	-	2	7/16/2007	8/20/2007
				<	0.05	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Nitrogen (Ammonia)			mg/l	0.10	0.30	0.20	3	6/11/2008	10/8/2008
				<	?	mg/l	-	-	-	2	7/16/2007	8/20/2007
				<	0.1	mg/l	-	-	-	5	5/28/2007	10/7/2009
			Phosphate	<	0.05	mg/l	-	-	-	5	6/11/2008	10/7/2009
	SCC-3 (16-8-8-10)	(field)	Flow			GPM	100.00	580.00	310.13	8	7/22/2007	10/26/2009
			pH			S.U.	6.80	7.63	7.33	12	5/30/2007	10/26/2009
			Specific Conductivity			umhos/cm	810.0	1200.0	1039.2	13	5/30/2007	10/26/2009
			Temp			Deg. C	11.5	12.4	11.9	10	5/30/2007	10/26/2009
			Dissolved Oxygen			mg/l	5.2	10.0	8.4	3	7/7/2008	10/14/2008
		(lab)	Specific Conductivity			umhos/cm	1038.0	1168.0	1112.4	10	5/30/2007	10/26/2009
			Total Dissolved Solids			mg/l	730	766	755	9	5/30/2007	10/26/2009
			Total Hardness (as CaCO3)			mg/l	597.0	665.0	616.9	11	5/30/2007	10/26/2009
			Oil and Grease	<	2	mg/l	-	-	-	5	5/30/2007	5/22/2008
			Calcium			mg/l	144.00	156.06	146.88	11	5/30/2007	10/26/2009
			Magnesium			mg/l	0.01	66.82	55.75	12	5/30/2007	10/26/2009
			Potassium			mg/l	4.11	4.62	4.28	9	5/30/2007	10/26/2009
			Sodium			mg/l	6.93	7.44	7.18	9	5/30/2007	10/26/2009
			Bicarbonate(HCO3-)			mg/l	370	372	371	2	7/22/2007	8/26/2007
			Carbonate (CO3-2)	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
			Chloride			mg/l	4	5	5	11	5/30/2007	10/26/2009
			Sulfate			mg/l	237	251	243	9	5/30/2007	10/26/2009
			Aluminum, Dissolved	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.03	mg/l	-	-	-	7	5/30/2007	10/26/2009
			Arsenic, Dissolved	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.01	mg/l	-	-	-	7	5/30/2007	10/26/2009
			Boron, Dissolved			mg/l	0.10	0.12	0.10	7	5/30/2007	10/26/2009
			Cadmium, Dissolved	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.001	mg/l	-	-	-	7	5/30/2007	10/26/2009
			Copper, Dissolved	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.01	mg/l	-	-	-	7	5/30/2007	10/26/2009
			Iron, Dissolved	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.03	mg/l	-	-	-	9	5/30/2007	10/26/2009
			Iron, Total			mg/l	0.05	0.10	0.07	8	5/30/2007	10/26/2009
				<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.05	mg/l	-	-	-	1	7/7/2008	7/7/2008
			Lead , Dissolved	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.01	mg/l	-	-	-	7	5/30/2007	10/26/2009
			Manganese, Dissolved			mg/l	0.005	0.013	0.007	11	5/30/2007	10/26/2009
			Manganese, Total			mg/l	0.005	0.013	0.007	10	5/30/2007	10/26/2009
			Molybdenum, Dissolved	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.005	mg/l	-	-	-	7	5/30/2007	10/26/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	7	5/30/2007	10/26/2009
			Zinc, Dissolved			mg/l	0.007	0.010	0.008	6	5/30/2007	10/26/2009
				<	0.004	mg/l	-	-	-	1	10/14/2008	10/14/2008
			Nitrate	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.05	mg/l	-	-	-	7	5/30/2007	10/26/2009
			Nitrite	<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.05	mg/l	-	-	-	7	5/30/2007	10/26/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SCC-3 (16-8-8-10)	(lab)	Nitrogen (Ammonia)			mg/l	0.10	0.10	0.10	2	10/14/2008	10/26/2009
				<	?	mg/l	-	-	-	2	7/22/2007	8/26/2007
				<	0.1	mg/l	-	-	-	4	5/30/2007	5/30/2007
			Phosphate	<	0.05	mg/l	-	-	-	3	10/11/2007	10/26/2009
	SCC-5 (16-8-7-3)	(field)	Flow			gpm	4.00	5.00	4.25	4	5/28/2007	6/25/2008
			pH			S.U.	7.50	8.20	7.96	5	5/28/2007	7/2/2008
			Specific Conductivity			umhos/cm	460.0	600.0	516.0	5	5/28/2007	7/2/2008
			Temp			Deg. C	10.0	14.4	12.1	5	5/28/2007	7/2/2008
			Dissolved Oxygen			mg/l	7.2	7.2	7.2	1	6/25/2008	6/25/2008
		(lab)	Specific Conductivity			umhos/cm	466.0	588.0	560.2	5	5/28/2007	7/2/2008
			Total Dissolved Solids			mg/l	297	324	319	5	5/28/2007	7/2/2008
			Total Hardness (as CaCO3)			mg/l	251.0	301.0	285.0	5	5/28/2007	7/2/2008
			Calcium			mg/l	82.76	101.48	96.19	5	5/28/2007	7/2/2008
			Magnesium			mg/l	10.60	11.47	10.83	5	5/28/2007	7/2/2008
			Potassium			mg/l	0.21	0.33	0.27	2	6/25/2008	7/2/2008
				<	0.14	mg/l	-	-	-	3	5/28/2007	5/28/2007
			Sodium			mg/l	1.66	1.94	1.74	5	5/28/2007	7/2/2008
			Chloride			mg/l	1	2	1	5	5/28/2007	7/2/2008
			Sulfate			mg/l	5	7	6	5	5/28/2007	7/2/2008
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Boron, Dissolved			mg/l	0.02	0.02	0.02	1	6/25/2008	6/25/2008
				<	0.01	mg/l	-	-	-	4	5/28/2007	7/2/2008
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Copper, Dissolved	<	0.01	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Iron, Dissolved	<	0.03	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Iron, Total	<	0.05	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Lead , Dissolved	<	0.01	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Manganese, Dissolved	<	0.002	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Manganese, Total			mg/l	0.002	0.012	0.004	5	5/28/2007	7/2/2008
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Zinc, Dissolved			mg/l	0.006	0.006	0.006	1	6/25/2008	6/25/2008
				<	0.004	mg/l	-	-	-	4	5/28/2007	7/2/2008
			Nitrate			mg/l	0.08	0.10	0.09	4	5/28/2007	7/2/2008
				<	0.05	mg/l	-	-	-	1	6/25/2008	6/25/2008
			Nitrite			mg/l	0.070	0.070	0.070	1	7/2/2008	7/2/2008
				<	0.05	mg/l	-	-	-	4	5/28/2007	6/25/2008
			Nitrogen (Ammonia)	<	0.1	mg/l	-	-	-	5	5/28/2007	7/2/2008
			Phosphate	<	0.05	mg/l	-	-	-	2	6/25/2008	7/2/2008
	SMH-1	(field)	Flow			gpm	0.00	68.39	8.85	55	10/13/1992	10/14/2008
			pH			S.U.	6.27	8.80	7.72	48	10/13/1992	10/14/2008
			Specific Conductivity			umhos/cm	336.0	820.0	609.0	47	10/13/1992	10/14/2008
			Temp			Deg. C	5.8	21.1	10.2	47	10/13/1992	10/14/2008
		(lab)	Specific Conductivity			umhos/cm	442.0	684.0	578.4	16	10/15/1993	8/23/2006
			Total Dissolved Solids			mg/l	277	814	359	20	10/13/1992	8/23/2006
			Total Hardness (as CaCO3)			mg/l	263.6	359.0	304.0	20	10/13/1992	8/23/2006
			Total Settleable Solids			mg/l	0.0	0.0	0.0	2	10/13/1992	10/13/1992
				<	0.5	mg/l	-	-	-	3	6/21/1993	8/29/1993
			Total Suspended Solids			mg/l	10	69	38	3	10/13/1992	6/21/1993
				<	7	mg/l	-	-	-	2	6/21/1993	8/29/1993

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SMH-1	(lab)	Oil and Grease			mg/l	0.0	1.1	0.6	2	10/13/1992	10/13/1992
				<	1	mg/l	-	-	-	3	6/21/1993	8/29/1993
			Calcium			mg/l	42.00	94.10	70.08	20	10/13/1992	8/23/2006
			Magnesium			mg/l	27.00	42.00	30.92	20	10/13/1992	8/23/2006
			Potassium			mg/l	0.66	89.70	16.72	6	10/13/1992	8/23/2006
				<	1	mg/l	-	-	-	6	6/29/1997	5/24/2001
				<	2	mg/l	-	-	-	2	6/16/1994	6/16/1994
				<	5	mg/l	-	-	-	4	8/30/1994	10/31/1994
				<	10	mg/l	-	-	-	2	10/15/1993	10/15/1993
			Sodium			mg/l	3.83	12.00	6.74	18	10/13/1992	8/23/2006
				<	10	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Bicarbonate(HCO3-)			mg/l	301	410	351	19	10/13/1992	5/24/2001
			Carbonate (CO3-2)			mg/l	0	0	0	2	10/13/1992	10/13/1992
				<	0.4	mg/l	-	-	-	1	6/21/1993	6/21/1993
				<	1	mg/l	-	-	-	10	6/21/1993	10/31/1994
				<	5	mg/l	-	-	-	6	6/29/1997	5/24/2001
			Chloride			mg/l	1	25	8	20	10/13/1992	8/23/2006
			Sulfate			mg/l	14	35	23	20	10/13/1992	8/23/2006
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	1	mg/l	-	-	-	4	6/29/1997	8/14/2000
				<	2	mg/l	-	-	-	7	6/16/1994	10/31/1994
			Arsenic, Dissolved			mg/l	0.000	0.004	0.002	2	10/13/1992	6/21/1993
				<	0.01	mg/l	-	-	-	9	6/16/1994	10/15/1997
				<	0.01	mg/l	-	-	-	2	8/14/2000	8/23/2006
			Boron, Dissolved			mg/l	0.02	0.20	0.10	10	6/16/1994	8/23/2006
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.01	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.02	mg/l	-	-	-	6	6/16/1994	10/31/1994
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.2	mg/l	-	-	-	6	6/16/1994	10/31/1994
			Iron, Dissolved			mg/l	0.07	0.20	0.12	3	6/21/1993	10/31/1994
				<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.1	mg/l	-	-	-	3	8/14/2000	5/24/2001
				<	0.2	mg/l	-	-	-	5	6/16/1994	10/31/1994
				<	0.2	mg/l	-	-	-	2	10/15/1993	10/15/1993
			Iron, Total			mg/l	0.04	0.67	0.36	13	10/13/1992	5/24/2001
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	2	6/29/1997	10/15/1997
				<	0.2	mg/l	-	-	-	4	6/16/1994	10/31/1994
			Lead , Dissolved	<	0.1	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.2	mg/l	-	-	-	6	6/16/1994	10/31/1994

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SMH-1	(lab)	Manganese, Dissolved			mg/l	0.100	0.100	0.100	3	10/15/1993	10/15/1993
				<	0.002	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	5	6/16/1994	10/15/1997
				<	0.1	mg/l	-	-	-	3	8/14/2000	5/24/2001
				<	0.2	mg/l	-	-	-	4	8/30/1994	10/31/1994
			Manganese, Total			mg/l	0.040	0.070	0.055	2	10/13/1992	10/13/1992
				<	0.002	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	1	8/29/1993	8/29/1993
				<	0.03	mg/l	-	-	-	3	6/21/1993	10/15/1993
				<	0.1	mg/l	-	-	-	5	6/16/1994	10/15/1997
				<	0.1	mg/l	-	-	-	3	8/14/2000	5/24/2001
				<	0.2	mg/l	-	-	-	4	8/30/1994	10/31/1994
			Molybdenum, Dissolved			mg/l	0.200	0.200	0.200	1	10/15/1993	10/15/1993
				<	0.005	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.02	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.1	mg/l	-	-	-	4	8/29/1993	10/15/1997
				<	0.2	mg/l	-	-	-	6	6/16/1994	10/31/1994
			Selenium, Dissolved			mg/l	0.030	0.030	0.030	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	9	6/16/1994	10/15/1997
				<	0.01	mg/l	-	-	-	1	8/14/2000	8/14/2000
			Zinc, Dissolved			mg/l	0.010	0.060	0.033	6	10/13/1992	6/29/1997
				<	0.004	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	2	9/11/1997	10/15/1997
				<	0.01	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.03	mg/l	-	-	-	8	6/21/1993	10/31/1994
			Nitrate			mg/l	0.04	1.20	0.25	18	10/13/1992	8/23/2006
			Nitrite			mg/l	0.000	0.040	0.028	4	10/13/1992	6/21/1993
				<	0.01	mg/l	-	-	-	9	6/16/1994	10/15/1997
				<	0.02	mg/l	-	-	-	3	8/29/1993	10/15/1993
				<	0.03	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Nitrogen (Ammonia)			mg/l	0.02	0.40	0.13	4	10/13/1992	6/16/1994
				<	0.08	mg/l	-	-	-	4	6/21/1993	10/15/1993
				<	0.1	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.4	mg/l	-	-	-	5	6/16/1994	10/31/1994
				<	0.5	mg/l	-	-	-	4	6/29/1997	8/14/2000
			Phosphate			mg/l	0.00	0.03	0.02	7	10/15/1993	6/29/1997
				<	0.01	mg/l	-	-	-	1	9/11/1997	9/11/1997
				<	0.02	mg/l	-	-	-	2	8/30/1994	8/30/1994
				<	0.05	mg/l	-	-	-	1	8/14/2000	8/14/2000
	SMH-2	(field)	Flow			gpm	0.00	240.00	11.83	48	10/13/1992	10/14/2008
			pH			S.U.	2.83	8.67	7.61	47	10/13/1992	10/14/2008
			Specific Conductivity			umhos/cm	286.0	700.0	522.7	46	10/13/1992	10/14/2008
			Temp			Deg. C	5.2	17.6	11.2	47	10/13/1992	10/14/2008
		(lab)	Specific Conductivity			umhos/cm	480.0	602.0	513.9	12	10/15/1993	8/23/2006
			Total Dissolved Solids			mg/l	149	328	271	16	10/13/1992	8/23/2006
			Total Hardness (as CaCO3)			mg/l	221.3	319.0	262.1	16	10/13/1992	8/23/2006
			Total Settleable Solids			mg/l	0.0	0.0	0.0	1	10/13/1992	10/13/1992
				<	0.5	mg/l	-	-	-	2	10/27/1992	6/21/1993
			Total Suspended Solids			mg/l	6	29	20	3	10/13/1992	6/21/1993

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SMH-2	(lab)	Oil and Grease			mg/l	1.0	1.0	1.0	2	10/27/1992	8/29/1993
				<	1	mg/l	-	-	-	2	10/13/1992	6/21/1993
			Calcium			mg/l	54.00	75.90	64.64	15	10/27/1992	8/23/2006
			Magnesium			mg/l	14.60	31.00	22.96	16	10/13/1992	8/23/2006
			Potassium			mg/l	0.00	2.10	0.56	6	10/13/1992	8/23/2006
				<	1	mg/l	-	-	-	6	6/29/1997	5/24/2001
				<	2	mg/l	-	-	-	1	6/15/1994	6/15/1994
				<	5	mg/l	-	-	-	2	8/30/1994	10/31/1994
				<	10	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Sodium			mg/l	1.81	7.00	4.62	15	10/13/1992	8/23/2006
				<	10	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Bicarbonate(HCO3-)			mg/l	231	329	308	14	10/13/1992	5/24/2001
			Carbonate (CO3-2)			mg/l	0	0	0	2	10/13/1992	8/29/1993
				<	1	mg/l	-	-	-	6	10/27/1992	10/31/1994
				<	5	mg/l	-	-	-	6	6/29/1997	5/24/2001
			Chloride			mg/l	3	25	6	16	10/13/1992	8/23/2006
			Sulfate			mg/l	7	50	12	16	10/13/1992	8/23/2006
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	2	8/23/2006	8/23/2006
				<	1	mg/l	-	-	-	4	6/29/1997	8/14/2000
				<	2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	6	6/15/1994	10/15/1997
				<	0.01	mg/l	-	-	-	3	8/14/2000	8/23/2006
			Boron, Dissolved			mg/l	0.02	0.20	0.09	8	6/15/1994	8/23/2006
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	2	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.01	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.02	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Copper, Dissolved	<	0.01	mg/l	-	-	-	2	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Iron, Dissolved			mg/l	0.07	0.07	0.07	1	6/21/1993	6/21/1993
				<	0.03	mg/l	-	-	-	2	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.1	mg/l	-	-	-	3	8/14/2000	5/24/2001
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
				<	0.2	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Iron, Total			mg/l	0.05	1.00	0.36	6	10/13/1992	5/24/2001
				<	0.01	mg/l	-	-	-	1	8/29/1993	8/29/1993
				<	0.05	mg/l	-	-	-	2	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.1	mg/l	-	-	-	1	10/25/2000	10/25/2000
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Lead , Dissolved	<	0.1	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SMH-2	(lab)	Manganese, Dissolved			mg/l	0.100	0.100	0.100	1	10/15/1993	10/15/1993
				<	0.002	mg/l	-	-	-	2	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	4	6/15/1994	10/15/1997
				<	0.1	mg/l	-	-	-	3	8/14/2000	5/24/2001
				<	0.2	mg/l	-	-	-	2	8/30/1994	10/31/1994
			Manganese, Total			mg/l	0.000	0.200	0.100	2	10/13/1992	5/24/2001
				<	0.002	mg/l	-	-	-	2	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	2	10/27/1992	8/29/1993
				<	0.03	mg/l	-	-	-	2	6/21/1993	10/15/1993
				<	0.1	mg/l	-	-	-	4	6/15/1994	10/15/1997
				<	0.1	mg/l	-	-	-	2	8/14/2000	10/25/2000
				<	0.2	mg/l	-	-	-	2	8/30/1994	10/31/1994
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	2	8/23/2006	8/23/2006
				<	0.02	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.1	mg/l	-	-	-	3	6/29/1997	10/15/1997
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Selenium, Dissolved			mg/l	0.020	0.030	0.025	2	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	6	6/15/1994	10/15/1997
				<	0.01	mg/l	-	-	-	1	8/14/2000	8/14/2000
			Zinc, Dissolved			mg/l	0.008	0.120	0.043	6	10/13/1992	8/23/2006
				<	0.004	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	1	9/11/1997	9/11/1997
				<	0.01	mg/l	-	-	-	2	8/29/1993	8/14/2000
				<	0.03	mg/l	-	-	-	4	6/21/1993	8/30/1994
			Nitrate			mg/l	0.02	1.10	0.28	14	10/13/1992	8/23/2006
			Nitrite			mg/l	0.000	0.040	0.020	2	6/21/1993	10/15/1993
				<	0.01	mg/l	-	-	-	8	10/13/1992	10/15/1997
				<	0.02	mg/l	-	-	-	1	8/29/1993	8/29/1993
				<	0.03	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.05	mg/l	-	-	-	2	8/23/2006	8/23/2006
			Nitrogen (Ammonia)			mg/l	0.02	0.02	0.02	1	10/13/1992	10/13/1992
				<	0.01	mg/l	-	-	-	1	10/27/1992	10/27/1992
				<	0.08	mg/l	-	-	-	3	6/21/1993	10/15/1993
				<	0.1	mg/l	-	-	-	2	8/23/2006	8/23/2006
				<	0.4	mg/l	-	-	-	3	6/15/1994	10/31/1994
				<	0.5	mg/l	-	-	-	3	6/29/1997	10/15/1997
			Phosphate			mg/l	0.00	0.03	0.02	5	10/15/1993	9/11/1997
				<	0.02	mg/l	-	-	-	1	8/30/1994	8/30/1994
				<	0.05	mg/l	-	-	-	1	8/14/2000	8/14/2000
	SMH-3	(field)	Flow			gpm	0.00	175.59	20.21	43	8/29/1993	10/23/2008
			pH			S.U.	6.37	8.77	7.56	42	8/29/1993	10/23/2008
			Specific Conductivity			umhos/cm	5.9	800.0	535.9	42	8/29/1993	10/23/2008
			Temp			Deg. C	5.1	50.0	11.1	42	8/29/1993	10/23/2008
			Specific Conductivity			umhos/cm	463.0	654.0	531.3	11	10/15/1993	5/24/2001
		(lab)	Total Dissolved Solids			mg/l	260	370	306	12	8/29/1993	5/24/2001
			Total Hardness (as CaCO3)			mg/l	229.0	313.2	272.0	12	8/29/1993	5/24/2001
			Total Settleable Solids	<	0.5	mg/l	-	-	-	1	6/28/1995	6/28/1995
			Total Suspended Solids	<	5	mg/l	-	-	-	1	6/28/1995	6/28/1995
			Oil and Grease	<	1	mg/l	-	-	-	1	8/29/1993	8/29/1993
				<	5	mg/l	-	-	-	1	6/28/1995	6/28/1995

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SMH-3	(lab)	**Calcium**			mg/l	47.00	71.00	61.33	12	8/29/1993	5/24/2001
			Magnesium			mg/l	26.00	33.00	28.83	12	8/29/1993	5/24/2001
			Potassium			mg/l	1.10	1.10	1.10	1	8/29/1993	8/29/1993
				<	1	mg/l	-	-	-	7	6/28/1995	5/24/2001
				<	2	mg/l	-	-	-	1	6/15/1994	6/15/1994
				<	5	mg/l	-	-	-	2	8/30/1994	10/31/1994
				<	10	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Sodium			mg/l	5.00	7.00	5.60	10	8/29/1993	5/24/2001
				<	5	mg/l	-	-	-	1	8/30/1994	8/30/1994
				<	10	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Bicarbonate(HCO3-)			mg/l	267	334	315	12	8/29/1993	5/24/2001
			Carbonate (CO3-2)			mg/l	5	5	5	1	6/28/1995	6/28/1995
				<	1	mg/l	-	-	-	5	8/29/1993	10/31/1994
				<	5	mg/l	-	-	-	6	6/29/1997	5/24/2001
			Chloride			mg/l	4	10	7	12	8/29/1993	5/24/2001
			Sulfate			mg/l	17	27	22	12	8/29/1993	5/24/2001
			Aluminum, Dissolved	<	1	mg/l	-	-	-	5	6/28/1995	8/14/2000
				<	2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	5	6/15/1994	9/11/1997
				<	0.01	mg/l	-	-	-	3	6/28/1995	8/14/2000
			Boron, Dissolved			mg/l	0.10	0.20	0.11	7	6/15/1994	10/15/1997
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
			Cadmium, Dissolved			mg/l	0.01	0.01	0.01	1	6/28/1995	6/28/1995
				<	0.01	mg/l	-	-	-	2	6/29/1997	9/11/1997
				<	0.01	mg/l	-	-	-	2	10/15/1997	8/14/2000
				<	0.02	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Copper, Dissolved	<	0.1	mg/l	-	-	-	2	6/29/1997	9/11/1997
				<	0.1	mg/l	-	-	-	3	6/28/1995	8/14/2000
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Iron, Dissolved	<	0.1	mg/l	-	-	-	2	6/29/1997	9/11/1997
				<	0.1	mg/l	-	-	-	5	6/28/1995	5/24/2001
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
				<	0.2	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Iron, Total			mg/l	0.06	1.10	0.37	6	8/29/1993	8/14/2000
				<	0.1	mg/l	-	-	-	2	6/29/1997	9/11/1997
				<	0.1	mg/l	-	-	-	2	10/25/2000	5/24/2001
				<	0.2	mg/l	-	-	-	2	6/15/1994	10/31/1994
			Lead , Dissolved	<	0.1	mg/l	-	-	-	2	6/29/1997	9/11/1997
				<	0.1	mg/l	-	-	-	3	6/28/1995	8/14/2000
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Manganese, Dissolved			mg/l	0.100	0.100	0.100	1	10/15/1993	10/15/1993
				<	0.1	mg/l	-	-	-	3	6/15/1994	9/11/1997
				<	0.1	mg/l	-	-	-	5	6/28/1995	5/24/2001
				<	0.2	mg/l	-	-	-	2	8/30/1994	10/31/1994
			Manganese, Total	<	0.01	mg/l	-	-	-	1	8/29/1993	8/29/1993
				<	0.03	mg/l	-	-	-	1	10/15/1993	10/15/1993
				<	0.1	mg/l	-	-	-	3	6/15/1994	9/11/1997
				<	0.1	mg/l	-	-	-	5	6/28/1995	5/24/2001
				<	0.2	mg/l	-	-	-	2	8/30/1994	10/31/1994

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SMH-3	(lab)	Molybdenum, Dissolved	<	0.02	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.1	mg/l	-	-	-	2	6/29/1997	9/11/1997
				<	0.1	mg/l	-	-	-	2	6/28/1995	10/15/1997
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Selenium, Dissolved	<	0.01	mg/l	-	-	-	5	6/15/1994	9/11/1997
				<	0.01	mg/l	-	-	-	3	6/28/1995	8/14/2000
			Zinc, Dissolved			mg/l	0.010	0.040	0.023	3	6/28/1995	10/15/1997
				<	0.01	mg/l	-	-	-	1	9/11/1997	9/11/1997
				<	0.01	mg/l	-	-	-	2	8/29/1993	8/14/2000
				<	0.03	mg/l	-	-	-	4	10/15/1993	10/31/1994
			Nitrate			mg/l	0.20	0.40	0.30	10	8/29/1993	8/14/2000
			Nitrite	<	0.01	mg/l	-	-	-	5	6/15/1994	9/11/1997
				<	0.01	mg/l	-	-	-	2	6/28/1995	10/15/1997
				<	0.02	mg/l	-	-	-	2	8/29/1993	10/15/1993
				<	0.03	mg/l	-	-	-	1	8/14/2000	8/14/2000
			Nitrogen (Ammonia)	<	0.08	mg/l	-	-	-	2	8/29/1993	10/15/1993
				<	0.4	mg/l	-	-	-	3	6/15/1994	10/31/1994
				<	0.5	mg/l	-	-	-	5	6/28/1995	8/14/2000
			Phosphate			mg/l	0.00	0.03	0.02	6	10/15/1993	9/11/1997
				<	0.01	mg/l	-	-	-	1	6/28/1995	6/28/1995
				<	0.05	mg/l	-	-	-	1	8/14/2000	8/14/2000
	SMH-4	(field)	Flow			gpm	0.00	15.00	2.78	44	10/13/1992	10/14/2008
				<	?	gpm	-	-	-	2	7/18/2002	8/14/2002
			pH			S.U.	6.40	8.88	7.67	44	10/13/1992	10/14/2008
			Specific Conductivity			umhos/cm	337.0	2690.0	619.1	42	10/13/1992	10/14/2008
			Temp			Deg. C	4.4	18.3	9.3	44	10/13/1992	10/14/2008
		(lab)	Specific Conductivity			umhos/cm	547.0	2430.0	725.0	13	10/15/1993	8/23/2006
			Total Dissolved Solids			mg/l	280	1908	425	15	10/13/1992	8/23/2006
			Total Hardness (as CaCO3)			mg/l	264.0	1367.0	369.1	15	10/13/1992	8/23/2006
			Total Settleable Solids	<	0.5	mg/l	-	-	-	1	10/13/1992	10/13/1992
			Total Suspended Solids	<	0.5	mg/l	-	-	-	1	10/13/1992	10/13/1992
			Oil and Grease			mg/l	1.0	1.4	1.2	2	6/24/1993	8/29/1993
				<	1	mg/l	-	-	-	1	10/13/1992	10/13/1992
			Calcium			mg/l	43.00	160.00	58.69	15	10/13/1992	8/23/2006
			Magnesium			mg/l	33.00	235.00	54.08	15	10/13/1992	8/23/2006
			Potassium			mg/l	0.27	22.00	3.92	7	10/13/1992	8/23/2006
				<	0.1	mg/l	-	-	-	1	6/24/1993	6/24/1993
				<	1	mg/l	-	-	-	3	9/11/1997	5/24/2001
				<	2	mg/l	-	-	-	1	6/15/1994	6/15/1994
				<	5	mg/l	-	-	-	2	8/30/1994	10/31/1994
				<	10	mg/l	-	-	-	1	10/15/1993	10/15/1993
			Sodium			mg/l	6.00	68.00	13.64	15	10/13/1992	8/23/2006
			Bicarbonate(HCO3-)			mg/l	297	496	331	14	10/13/1992	5/24/2001
			Carbonate (CO3-2)	<	0.4	mg/l	-	-	-	1	6/24/1993	6/24/1993
				<	1	mg/l	-	-	-	7	10/13/1992	10/31/1994
				<	5	mg/l	-	-	-	6	6/25/1997	5/24/2001
			Chloride			mg/l	6	42	11	15	10/13/1992	8/23/2006
			Sulfate			mg/l	16	750	86	15	10/13/1992	8/23/2006
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	1	mg/l	-	-	-	4	6/25/1997	8/14/2000
				<	2	mg/l	-	-	-	3	6/15/1994	10/31/1994

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SMH-4	(lab)	Arsenic, Dissolved	<	0.01	mg/l	-	-	-	6	6/15/1994	10/15/1997
				<	0.01	mg/l	-	-	-	2	8/14/2000	8/23/2006
			Boron, Dissolved			mg/l	0.03	0.10	0.09	5	6/15/1994	8/23/2006
				<	0.1	mg/l	-	-	-	2	6/25/1997	9/11/1997
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.01	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.02	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Iron, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.05	mg/l	-	-	-	3	6/24/1993	10/26/1993
				<	0.1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.1	mg/l	-	-	-	3	8/14/2000	5/24/2001
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Iron, Total			mg/l	0.16	0.43	0.26	4	8/29/1993	10/25/2000
				<	0.02	mg/l	-	-	-	1	10/13/1992	10/13/1992
				<	0.05	mg/l	-	-	-	1	6/24/1993	6/24/1993
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.1	mg/l	-	-	-	2	8/14/2000	5/24/2001
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Lead , Dissolved	<	0.1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.1	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Manganese, Dissolved			mg/l	0.100	0.100	0.100	1	10/15/1993	10/15/1993
				<	0.002	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.03	mg/l	-	-	-	1	10/26/1993	10/26/1993
				<	0.1	mg/l	-	-	-	4	6/15/1994	10/15/1997
				<	0.1	mg/l	-	-	-	3	8/14/2000	5/24/2001
				<	0.2	mg/l	-	-	-	2	8/30/1994	10/31/1994
			Manganese, Total			mg/l	0.040	0.140	0.090	2	8/29/1993	10/26/1993
				<	0.002	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	1	10/13/1992	10/13/1992
				<	0.03	mg/l	-	-	-	2	6/24/1993	10/15/1993
				<	0.1	mg/l	-	-	-	4	6/15/1994	10/15/1997
				<	0.1	mg/l	-	-	-	3	8/14/2000	5/24/2001
				<	0.2	mg/l	-	-	-	2	8/30/1994	10/31/1994
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.02	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.1	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.2	mg/l	-	-	-	3	6/15/1994	10/31/1994
			Selenium, Dissolved			mg/l	0.020	0.020	0.020	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	6	6/15/1994	10/15/1997
				<	0.01	mg/l	-	-	-	1	8/14/2000	8/14/2000

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SMH-4	(lab)	Zinc, Dissolved	<	0.004	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	3	6/25/1997	10/15/1997
				<	0.01	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.03	mg/l	-	-	-	4	10/26/1993	10/31/1994
			Nitrate			mg/l	0.29	0.90	0.53	13	10/13/1992	8/23/2006
			Nitrite			mg/l	0.000	0.000	0.000	1	10/15/1993	10/15/1993
				<	0.004	mg/l	-	-	-	1	6/24/1993	6/24/1993
				<	0.01	mg/l	-	-	-	7	10/13/1992	10/15/1997
				<	0.02	mg/l	-	-	-	2	8/29/1993	10/26/1993
				<	0.03	mg/l	-	-	-	1	8/14/2000	8/14/2000
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Nitrogen (Ammonia)			mg/l	0.02	0.02	0.02	1	10/13/1992	10/13/1992
				<	0.08	mg/l	-	-	-	4	6/24/1993	10/26/1993
				<	0.1	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.4	mg/l	-	-	-	3	6/15/1994	10/31/1994
				<	0.5	mg/l	-	-	-	4	6/25/1997	8/14/2000
			Phosphate			mg/l	0.00	0.02	0.01	3	10/26/1993	6/25/1997
				<	0.003	mg/l	-	-	-	1	10/15/1993	10/15/1993
				<	0.01	mg/l	-	-	-	1	9/11/1997	9/11/1997
				<	0.02	mg/l	-	-	-	2	6/15/1994	8/30/1994
				<	0.05	mg/l	-	-	-	1	8/14/2000	8/14/2000
	SMH-5	(field)	Flow			gpm	0.20	5.00	1.44	11	5/30/2007	8/11/2009
			Water Level			feet	8.20	8.20	8.20	1	7/9/2008	7/9/2008
			pH			S.U.	7.00	8.40	7.83	12	5/30/2007	8/11/2009
			Specific Conductivity			umhos/cm	220.0	620.0	425.0	12	5/30/2007	8/11/2009
			Temp			Deg. C	7.1	16.1	8.6	10	5/30/2007	8/11/2009
		(lab)	Specific Conductivity			umhos/cm	518.0	598.0	553.1	10	5/30/2007	8/11/2009
			Total Dissolved Solids			mg/l	295	347	330	9	5/30/2007	8/11/2009
			Total Hardness (as CaCO3)			mg/l	286.0	312.0	299.3	10	5/30/2007	8/11/2009
			Calcium			mg/l	65.61	73.92	70.17	10	5/30/2007	8/11/2009
			Magnesium			mg/l	29.58	31.05	30.15	10	5/30/2007	8/11/2009
			Potassium			mg/l	0.65	1.52	0.81	9	5/30/2007	8/11/2009
			Sodium			mg/l	4.09	4.39	4.19	9	5/30/2007	8/11/2009
			Bicarbonate(HCO3-)			mg/l	303	303	303	1	7/16/2007	7/16/2007
			Carbonate (CO3-2)	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
			Chloride			mg/l	2	3	2	10	5/30/2007	8/11/2009
			Sulfate			mg/l	6	9	7	9	5/30/2007	8/11/2009
			Aluminum, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.03	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Arsenic, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Boron, Dissolved			mg/l	0.02	0.02	0.02	10	5/30/2007	8/11/2009
			Cadmium, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.001	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Copper, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Iron, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.03	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Iron, Total			mg/l	0.22	3.70	1.15	8	5/30/2007	8/11/2009
				<	0.05	mg/l	-	-	-	1	7/22/2008	7/22/2008

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Spring	SMH-5	(lab)	Lead , Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.01	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Manganese, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.002	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Manganese, Total			mg/l	0.002	0.144	0.050	10	5/30/2007	8/11/2009
			Molybdenum, Dissolved	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.005	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Zinc, Dissolved	<	0.004	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Nitrate			mg/l	0.06	0.12	0.08	9	5/30/2007	8/11/2009
				<	0.05	mg/l	-	-	-	1	6/3/2008	6/3/2008
			Nitrite	<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.05	mg/l	-	-	-	9	5/30/2007	8/11/2009
			Nitrogen (Ammonia)			mg/l	0.20	0.40	0.30	2	6/3/2008	7/15/2009
				<	?	mg/l	-	-	-	1	7/16/2007	7/16/2007
				<	0.1	mg/l	-	-	-	7	5/30/2007	8/11/2009
			Phosphate	<	0.05	mg/l	-	-	-	5	6/3/2008	8/11/2009
Stream	BC-1	(field)	Flow			gpm	0.00	375.00	48.58	79	5/22/2000	10/5/2009
			pH			S.U.	6.16	9.06	8.34	77	5/22/2000	8/4/2009
			Specific Conductivity			umhos/cm	405.0	2520.0	791.8	82	5/22/2000	10/5/2009
			Temp			Deg. C	0.5	63.0	15.2	80	5/22/2000	10/5/2009
			Dissolved Oxygen			mg/l	0.4	70.0	10.2	72	5/22/2000	8/4/2009
		(lab)	Specific Conductivity			umhos/cm	566.0	1675.0	818.1	40	5/22/2000	10/5/2009
			Total Dissolved Solids			mg/l	323	1359	521	44	5/22/2000	10/5/2009
			Total Hardness (as CaCO3)			mg/l	265.0	1016.0	417.3	44	5/22/2000	10/5/2009
			Total Settleable Solids			mg/l	0.2	56.0	9.6	15	5/22/2000	10/13/2008
				<	?	mg/l	-	-	-	2	8/14/2007	8/14/2007
				<	0.1	mg/l	-	-	-	23	8/9/2001	10/5/2009
				<	0.4	mg/l	-	-	-	2	8/7/2000	2/27/2001
			Total Suspended Solids			mg/l	5	8621	825	43	5/22/2000	10/5/2009
				<	5	mg/l	-	-	-	1	5/27/2004	5/27/2004
			Oil and Grease			mg/l	5.0	33.0	19.0	2	2/28/2008	8/7/2008
				<	?	mg/l	-	-	-	2	8/14/2007	8/14/2007
				<	2	mg/l	-	-	-	26	5/22/2000	5/20/2008
				<	5	mg/l	-	-	-	5	10/13/2008	10/5/2009
			Calcium			mg/l	37.00	128.00	57.39	44	5/22/2000	10/5/2009
			Magnesium			mg/l	42.00	169.00	66.55	44	5/22/2000	10/5/2009
			Potassium			mg/l	2.00	19.50	4.99	44	5/22/2000	10/5/2009
			Sodium			mg/l	6.00	32.58	11.02	46	5/22/2000	10/5/2009
			Bicarbonate(HCO3-)			mg/l	198	357	255	21	5/22/2000	8/14/2007
			Carbonate (CO3-2)			mg/l	7	14	11	10	5/22/2000	10/11/2004
				<	?	mg/l	-	-	-	2	8/14/2007	8/14/2007
				<	5	mg/l	-	-	-	9	10/26/2000	5/27/2004
			Chloride			mg/l	3	19	5	44	5/22/2000	10/5/2009
			Sulfate			mg/l	71	759	215	44	5/22/2000	10/5/2009
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	3	8/21/2006	2/28/2008
				<	1	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	4	8/7/2000	2/28/2008
			Boron, Dissolved			mg/l	0.05	0.30	0.14	4	8/7/2000	2/28/2008
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	2	8/21/2006	10/23/2006

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
			Cadmium, Dissolved	<	0.01	mg/l	-	-	-	1	8/7/2000	8/7/2000
Stream	BC-1	(lab)	Copper, Dissolved			mg/l	0.01	0.01	0.01	1	2/28/2008	2/28/2008
				<	0.01	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.1	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Iron, Dissolved			mg/l	0.06	0.06	0.06	1	2/12/2009	2/12/2009
				<	?	mg/l	-	-	-	2	8/14/2007	8/14/2007
				<	0.005	mg/l	-	-	-	4	2/4/2003	10/2/2003
				<	0.03	mg/l	-	-	-	26	5/27/2004	10/5/2009
				<	0.1	mg/l	-	-	-	11	5/22/2000	10/19/2002
			Iron, Total			mg/l	0.19	98.00	10.22	42	5/22/2000	10/5/2009
				<	0.05	mg/l	-	-	-	2	5/27/2004	10/25/2005
			Lead , Dissolved	<	0.01	mg/l	-	-	-	3	8/21/2006	2/28/2008
				<	0.1	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Manganese, Dissolved			mg/l	0.002	0.009	0.005	3	2/22/2006	10/13/2008
				<	?	mg/l	-	-	-	2	8/14/2007	8/14/2007
				<	0.002	mg/l	-	-	-	24	5/27/2004	10/5/2009
				<	0.005	mg/l	-	-	-	4	2/4/2003	10/2/2003
				<	0.05	mg/l	-	-	-	6	8/9/2001	10/19/2002
				<	0.1	mg/l	-	-	-	5	5/22/2000	5/7/2001
			Manganese, Total			mg/l	0.003	1.800	0.232	36	5/22/2000	10/5/2009
				<	0.002	mg/l	-	-	-	1	5/27/2004	5/27/2004
				<	0.05	mg/l	-	-	-	5	8/9/2001	10/19/2002
				<	0.1	mg/l	-	-	-	2	8/7/2000	2/27/2001
			Molybdenum, Dissolved			mg/l	0.023	0.040	0.032	2	8/7/2000	2/28/2008
				<	0.005	mg/l	-	-	-	2	8/21/2006	10/23/2006
			Selenium, Dissolved			mg/l	0.020	0.020	0.020	1	2/28/2008	2/28/2008
				<	0.01	mg/l	-	-	-	1	8/7/2000	8/7/2000
				<	0.02	mg/l	-	-	-	2	8/21/2006	10/23/2006
			Zinc, Dissolved			mg/l	0.005	0.005	0.005	1	2/28/2008	2/28/2008
				<	0.004	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.01	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Nitrate			mg/l	0.16	0.57	0.33	5	8/7/2000	2/28/2008
			Nitrite			mg/l	0.150	0.150	0.150	1	2/28/2008	2/28/2008
				<	0.03	mg/l	-	-	-	1	8/7/2000	8/7/2000
				<	0.05	mg/l	-	-	-	3	2/28/2005	10/23/2006
			Nitrogen (Ammonia)	<	0.1	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.5	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Phosphate	<	0.05	mg/l	-	-	-	2	8/7/2000	2/28/2008
	BC-2	(field)	Flow			gpm	0.00	315.00	64.31	75	5/22/2000	10/5/2009
			pH			S.U.	7.20	9.85	8.54	70	5/22/2000	8/5/2009
			Specific Conductivity			umhos/cm	436.0	1380.0	756.1	73	5/22/2000	10/5/2009
			Temp			Deg. C	1.9	55.0	15.6	72	5/22/2000	10/5/2009
			Dissolved Oxygen			mg/l	4.0	40.0	8.2	68	5/22/2000	10/5/2009
		(lab)	Specific Conductivity			umhos/cm	634.0	1561.0	888.1	37	5/22/2000	2/25/2010
			Total Dissolved Solids			mg/l	328	1253	573	40	5/22/2000	2/25/2010
			Total Hardness (as CaCO3)			mg/l	300.0	911.0	434.5	40	5/22/2000	2/25/2010
			Total Settleable Solids			mg/l	0.2	72.0	15.0	10	5/22/2000	8/5/2009
				<	?	mg/l	-	-	-	1	8/14/2007	8/14/2007
				<	0.1	mg/l	-	-	-	26	8/9/2001	2/25/2010
				<	0.4	mg/l	-	-	-	2	8/7/2000	2/28/2001
			Total Suspended Solids			mg/l	5	7620	596	35	5/22/2000	2/25/2010

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
			Total Suspended Solids	<	5	mg/l	-	-	-	4	8/14/2002	10/12/2004
Stream	BC-2	(lab)	Oil and Grease			mg/l	2.0	28.0	18.0	3	5/20/2008	6/2/2008
				<	?	mg/l	-	-	-	1	8/14/2007	8/14/2007
				<	2	mg/l	-	-	-	22	5/22/2000	10/9/2007
				<	5	mg/l	-	-	-	7	8/7/2008	2/25/2010
			Calcium			mg/l	38.40	152.00	64.65	40	5/22/2000	2/25/2010
			Magnesium			mg/l	45.00	129.00	66.32	40	5/22/2000	2/25/2010
			Potassium			mg/l	3.00	14.34	5.57	40	5/22/2000	2/25/2010
			Sodium			mg/l	6.00	107.25	19.77	42	5/22/2000	2/25/2010
			Bicarbonate(HCO3-)			mg/l	174	291	240	18	5/22/2000	8/14/2007
			Carbonate (CO3-2)			mg/l	5	20	11	10	8/7/2000	10/12/2004
				<	?	mg/l	-	-	-	1	8/14/2007	8/14/2007
				<	5	mg/l	-	-	-	7	5/22/2000	10/29/2002
			Chloride			mg/l	3	49	8	40	5/22/2000	2/25/2010
			Sulfate			mg/l	122	774	246	39	5/22/2000	2/25/2010
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	1	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	3	8/7/2000	10/23/2006
			Boron, Dissolved			mg/l	0.04	0.30	0.13	3	8/7/2000	10/23/2006
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.01	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Copper, Dissolved	<	0.01	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.1	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Iron, Dissolved			mg/l	0.09	0.44	0.27	2	5/20/2008	2/12/2009
				<	?	mg/l	-	-	-	1	8/14/2007	8/14/2007
				<	0.005	mg/l	-	-	-	3	5/6/2003	10/2/2003
				<	0.03	mg/l	-	-	-	24	5/27/2004	2/25/2010
				<	0.1	mg/l	-	-	-	10	5/22/2000	10/29/2002
			Iron, Total			mg/l	0.10	76.80	7.93	38	5/22/2000	2/25/2010
				<	0.1	mg/l	-	-	-	2	8/14/2002	10/29/2002
			Lead , Dissolved	<	0.01	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.1	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Manganese, Dissolved			mg/l	0.006	0.053	0.030	2	5/20/2008	10/13/2008
				<	?	mg/l	-	-	-	1	8/14/2007	8/14/2007
				<	0.002	mg/l	-	-	-	24	5/27/2004	2/25/2010
				<	0.005	mg/l	-	-	-	3	5/6/2003	10/2/2003
				<	0.05	mg/l	-	-	-	5	8/9/2001	10/29/2002
				<	0.1	mg/l	-	-	-	5	5/22/2000	5/7/2001
			Manganese, Total			mg/l	0.002	1.400	0.174	29	5/22/2000	2/25/2010
				<	0.002	mg/l	-	-	-	3	10/12/2004	10/25/2005
				<	0.005	mg/l	-	-	-	2	8/5/2003	10/2/2003
				<	0.05	mg/l	-	-	-	4	8/9/2001	10/29/2002
				<	0.1	mg/l	-	-	-	2	8/7/2000	2/28/2001
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.02	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Selenium, Dissolved	<	0.01	mg/l	-	-	-	1	8/7/2000	8/7/2000
				<	0.02	mg/l	-	-	-	2	8/21/2006	10/23/2006
			Zinc, Dissolved	<	0.004	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.01	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Nitrate			mg/l	0.22	0.30	0.26	4	8/7/2000	10/23/2006
			Nitrite	<	0.03	mg/l	-	-	-	1	8/7/2000	8/7/2000

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
			Nitrite	<	0.05	mg/l	-	-	-	2	8/21/2006	10/23/2006
Stream	BC-2	(lab)	Nitrogen (Ammonia)	<	0.1	mg/l	-	-	-	2	8/21/2006	10/23/2006
				<	0.5	mg/l	-	-	-	1	8/7/2000	8/7/2000
			Phosphate	<	0.05	mg/l	-	-	-	2	8/7/2000	10/21/2001
	BC-3	(field)	Flow			gpm	0.00	96.90	9.00	50	5/19/2000	10/5/2009
			pH			S.U.	6.75	9.33	8.40	23	5/27/2004	10/13/2008
			Specific Conductivity			umhos/cm	383.0	2520.0	1022.2	25	5/27/2004	10/5/2009
			Temp			Deg. C	5.1	62.8	18.9	23	5/27/2004	10/5/2009
			Dissolved Oxygen			mg/l	6.0	10.0	7.6	23	5/27/2004	10/5/2009
		(lab)	Specific Conductivity			umhos/cm	652.0	2279.0	1147.8	12	5/27/2004	10/5/2009
			Total Dissolved Solids			mg/l	334	1909	736	12	5/27/2004	10/5/2009
			Total Hardness (as CaCO3)			mg/l	256.0	1412.0	552.0	12	5/27/2004	10/5/2009
			Total Settleable Solids			mg/l	4.0	5.5	4.8	2	5/20/2008	5/20/2009
				<	0.1	mg/l	-	-	-	10	5/27/2004	10/5/2009
			Total Suspended Solids			mg/l	10	1112	126	12	5/27/2004	10/5/2009
			Oil and Grease	<	2	mg/l	-	-	-	2	8/29/2006	5/20/2008
				<	5	mg/l	-	-	-	3	10/13/2008	10/5/2009
			Calcium			mg/l	40.50	146.29	70.68	12	5/27/2004	10/5/2009
			Magnesium			mg/l	54.10	254.11	95.22	12	5/27/2004	10/5/2009
			Potassium			mg/l	3.75	16.66	6.99	12	5/27/2004	10/5/2009
			Sodium			mg/l	8.16	71.38	23.68	12	5/27/2004	10/5/2009
			Bicarbonate(HCO3-)			mg/l	177	203	189	4	5/27/2004	10/12/2004
			Carbonate (CO3-2)			mg/l	5	17	9	4	5/27/2004	10/12/2004
			Chloride			mg/l	3	34	10	12	5/27/2004	10/5/2009
			Sulfate			mg/l	132	1009	362	11	5/27/2004	10/5/2009
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Boron, Dissolved			mg/l	0.05	0.05	0.05	1	8/29/2006	8/29/2006
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Iron, Dissolved	<	0.03	mg/l	-	-	-	12	5/27/2004	10/5/2009
			Iron, Total			mg/l	0.09	26.85	2.61	12	5/27/2004	10/5/2009
			Lead , Dissolved	<	0.01	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Manganese, Dissolved			mg/l	0.003	0.003	0.003	1	10/13/2008	10/13/2008
				<	0.002	mg/l	-	-	-	11	5/27/2004	10/5/2009
			Manganese, Total			mg/l	0.004	0.762	0.084	10	5/27/2004	10/5/2009
				<	0.002	mg/l	-	-	-	2	8/16/2004	8/16/2004
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Zinc, Dissolved	<	0.004	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Nitrate			mg/l	0.24	0.24	0.24	1	8/29/2006	8/29/2006
			Nitrite			mg/l	0.060	0.060	0.060	1	8/29/2006	8/29/2006
			Nitrogen (Ammonia)	<	0.1	mg/l	-	-	-	1	8/29/2006	8/29/2006
	BC-4	(field)	Flow			gpm	0.00	25.00	0.71	35	5/19/2000	7/1/2008
			pH			S.U.	8.54	8.54	8.54	1	9/21/2005	9/21/2005
			Specific Conductivity			umhos/cm	218.0	218.0	218.0	1	9/21/2005	9/21/2005
			Temp			Deg. C	16.0	16.0	16.0	1	9/21/2005	9/21/2005
	CK-1	(field)	Flow			gpm	10.00	430.00	179.89	19	5/30/2007	10/26/2009
			pH			S.U.	6.50	8.80	8.27	19	5/30/2007	10/26/2009
			Specific Conductivity			umhos/cm	410.0	940.0	640.3	22	5/30/2007	10/26/2009
			Temp			Deg. C	3.5	79.8	12.4	19	5/30/2007	10/26/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
			Dissolved Oxygen			mg/l	6.2	9.8	7.9	19	5/30/2007	10/26/2009
Stream	CK-1	(lab)	Specific Conductivity			umhos/cm	500.0	1033.0	694.8	17	5/30/2007	10/26/2009
			Total Dissolved Solids			mg/l	306	662	430	16	5/30/2007	10/26/2009
			Total Hardness (as CaCO3)			mg/l	293.0	541.0	365.6	19	5/30/2007	10/26/2009
			Total Settleable Solids			mg/l	1.0	6.5	3.5	4	5/22/2008	9/11/2008
				<	0.1	mg/l	-	-	-	12	5/30/2007	10/26/2009
			Total Suspended Solids			mg/l	9	2876	402	13	5/30/2007	10/26/2009
				<	5	mg/l	-	-	-	3	2/12/2009	9/29/2009
			Oil and Grease			mg/l	2.0	10.0	6.0	2	5/22/2008	6/11/2008
				<	2	mg/l	-	-	-	6	5/30/2007	6/2/2008
				<	5	mg/l	-	-	-	9	7/7/2008	10/26/2009
			Calcium			mg/l	53.75	107.16	67.92	19	5/30/2007	10/26/2009
			Magnesium			mg/l	26.14	66.34	47.63	19	5/30/2007	10/26/2009
			Potassium			mg/l	0.87	4.45	1.89	16	5/30/2007	10/26/2009
			Sodium			mg/l	4.77	8.77	7.06	16	5/30/2007	10/26/2009
			Bicarbonate(HCO3-)			mg/l	216	238	224	3	7/9/2007	9/20/2007
			Carbonate (CO3-2)			mg/l	6	6	6	1	8/26/2007	8/26/2007
				<	?	mg/l	-	-	-	2	7/9/2007	9/20/2007
			Chloride			mg/l	4	6	5	19	5/30/2007	10/26/2009
			Sulfate			mg/l	40	255	111	16	5/30/2007	10/26/2009
			Aluminum, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.03	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Arsenic, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.01	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Boron, Dissolved			mg/l	0.02	0.04	0.03	8	5/30/2007	10/11/2007
			Cadmium, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.001	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Copper, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.01	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Iron, Dissolved			mg/l	0.05	0.05	0.05	1	9/11/2008	9/11/2008
				<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.03	mg/l	-	-	-	15	5/30/2007	10/26/2009
			Iron, Total			mg/l	0.05	29.60	4.09	17	5/30/2007	10/26/2009
				<	?	mg/l	-	-	-	1	7/9/2007	7/9/2007
				<	0.05	mg/l	-	-	-	1	8/5/2009	8/5/2009
			Lead , Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.01	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Manganese, Dissolved			mg/l	0.002	0.007	0.004	8	9/20/2007	10/26/2009
				<	?	mg/l	-	-	-	2	7/9/2007	8/26/2007
				<	0.002	mg/l	-	-	-	9	5/30/2007	8/5/2009
			Manganese, Total			mg/l	0.003	0.688	0.087	19	5/30/2007	10/26/2009
			Molybdenum, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.005	mg/l	-	-	-	5	5/30/2007	10/11/2007
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Zinc, Dissolved			mg/l	0.005	0.015	0.009	3	6/3/2009	10/26/2009
				<	0.004	mg/l	-	-	-	5	5/30/2007	10/11/2007
			Nitrate			mg/l	0.29	0.29	0.29	1	10/26/2009	10/26/2009
				<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.05	mg/l	-	-	-	7	5/30/2007	9/29/2009
			Nitrite	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.05	mg/l	-	-	-	8	5/30/2007	10/26/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Stream	CK-1	(lab)	Nitrogen (Ammonia)			mg/l	0.10	0.10	0.10	1	6/3/2009	6/3/2009
				<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.1	mg/l	-	-	-	6	5/30/2007	10/26/2009
			Phosphate	<	0.05	mg/l	-	-	-	4	10/11/2007	10/26/2009
	CK-2	(field)	Flow			gpm	10.00	800.00	229.78	16	7/9/2007	10/26/2009
			pH			S.U.	7.40	8.90	8.43	19	5/30/2007	10/26/2009
			Specific Conductivity			umhos/cm	560.0	1040.0	801.4	21	5/30/2007	10/26/2009
			Temp			Deg. C	0.6	80.8	13.9	21	5/30/2007	10/26/2009
			Dissolved Oxygen			mg/l	4.8	8.8	6.8	20	5/30/2007	10/26/2009
		(lab)	Specific Conductivity			umhos/cm	673.0	1018.0	877.6	20	5/30/2007	10/26/2009
			Total Dissolved Solids			mg/l	424	673	580	17	5/30/2007	10/26/2009
			Total Hardness (as CaCO3)			mg/l	366.0	551.0	466.7	20	5/30/2007	10/26/2009
			Total Settleable Solids			mg/l	0.1	1.5	0.8	4	5/22/2008	10/14/2008
				<	0.1	mg/l	-	-	-	13	5/30/2007	10/26/2009
			Total Suspended Solids			mg/l	7	892	260	7	5/22/2008	9/29/2009
				<	5	mg/l	-	-	-	10	5/30/2007	10/26/2009
			Oil and Grease	<	2	mg/l	-	-	-	6	5/30/2007	5/22/2008
				<	5	mg/l	-	-	-	11	6/11/2008	10/26/2009
			Calcium			mg/l	61.92	110.83	89.41	19	5/30/2007	10/26/2009
			Magnesium			mg/l	42.75	67.67	59.74	20	5/30/2007	10/26/2009
			Potassium			mg/l	1.83	4.45	3.63	17	5/30/2007	10/26/2009
			Sodium			mg/l	6.67	8.82	7.97	17	5/30/2007	10/26/2009
			Bicarbonate(HCO3-)			mg/l	228	241	233	3	7/9/2007	9/20/2007
			Carbonate (CO3-2)	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
			Chloride			mg/l	4	5	5	20	5/30/2007	10/26/2009
			Sulfate			mg/l	116	256	210	17	5/30/2007	10/26/2009
			Aluminum, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.03	mg/l	-	-	-	9	5/30/2007	10/26/2009
			Arsenic, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.01	mg/l	-	-	-	9	5/30/2007	10/26/2009
			Boron, Dissolved			mg/l	0.03	0.13	0.09	9	5/30/2007	5/26/2009
			Cadmium, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.001	mg/l	-	-	-	9	5/30/2007	10/26/2009
			Copper, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.01	mg/l	-	-	-	9	5/30/2007	10/26/2009
			Iron, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.03	mg/l	-	-	-	17	5/30/2007	10/26/2009
			Iron, Total			mg/l	0.05	9.26	1.15	17	5/30/2007	10/26/2009
				<	?	mg/l	-	-	-	2	7/9/2007	8/26/2007
				<	0.05	mg/l	-	-	-	1	10/11/2007	10/11/2007
			Lead , Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.01	mg/l	-	-	-	9	5/30/2007	10/26/2009
			Manganese, Dissolved			mg/l	0.002	0.007	0.004	15	5/30/2007	10/26/2009
				<	?	mg/l	-	-	-	1	7/9/2007	7/9/2007
				<	0.002	mg/l	-	-	-	4	5/26/2009	9/29/2009
			Manganese, Total			mg/l	0.003	0.278	0.032	20	5/30/2007	10/26/2009
			Molybdenum, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.005	mg/l	-	-	-	6	5/30/2007	5/26/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	9	5/30/2007	10/26/2009
			Zinc, Dissolved			mg/l	0.005	0.011	0.008	4	5/26/2009	10/26/2009
				<	0.004	mg/l	-	-	-	5	5/30/2007	10/11/2007

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Stream	CK-2	(lab)	Nitrate	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.05	mg/l	-	-	-	9	5/30/2007	10/26/2009
			Nitrite	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.05	mg/l	-	-	-	9	5/30/2007	10/26/2009
			Nitrogen (Ammonia)	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.1	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Phosphate	<	0.05	mg/l	-	-	-	5	10/11/2007	10/26/2009
	FC-1	(field)	Flow			gpm	0.00	470.00	53.24	51	10/28/1992	5/21/2009
				<	?	gpm	-	-	-	1	8/9/2000	8/9/2000
			pH			S.U.	7.24	9.90	8.27	48	10/28/1992	10/30/2008
			Specific Conductivity			umhos/cm	160.0	1671.0	801.9	50	10/28/1992	5/21/2009
			Temp			Deg. C	2.8	30.2	15.2	49	10/28/1992	5/21/2009
			Dissolved Oxygen			mg/l	3.2	62.0	9.2	31	6/24/1993	5/21/2009
		(lab)	Specific Conductivity			umhos/cm	453.0	1629.0	810.9	17	10/13/1993	5/21/2009
			Total Dissolved Solids			mg/l	221	1240	487	24	10/28/1992	5/21/2009
			Total Hardness (as CaCO3)			mg/l	240.0	760.0	396.4	24	10/28/1992	5/21/2009
			Total Settleable Solids			mg/l	0.0	0.0	0.0	2	10/28/1992	10/28/1992
				<	0.1	mg/l	-	-	-	2	8/23/2006	5/21/2009
				<	0.4	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.5	mg/l	-	-	-	6	6/24/1993	10/28/1997
			Total Suspended Solids			mg/l	0	668	80	10	10/28/1992	5/21/2009
				<	4	mg/l	-	-	-	1	10/30/1994	10/30/1994
				<	5	mg/l	-	-	-	2	9/17/1997	8/23/2006
			Oil and Grease			mg/l	0.0	2.1	0.6	6	10/28/1992	8/15/1993
				<	1	mg/l	-	-	-	1	8/15/1993	8/15/1993
				<	2	mg/l	-	-	-	5	6/29/1997	8/29/2006
				<	5	mg/l	-	-	-	3	3/23/1994	5/21/2009
			Calcium			mg/l	41.00	108.10	62.88	24	10/28/1992	5/21/2009
			Magnesium			mg/l	22.00	132.00	58.21	24	10/28/1992	5/21/2009
			Potassium			mg/l	0.10	4.00	2.09	13	10/28/1992	5/21/2009
				<	0.1	mg/l	-	-	-	4	6/24/1993	10/26/1993
				<	1	mg/l	-	-	-	3	6/24/1997	9/10/1997
				<	2	mg/l	-	-	-	1	5/30/1994	5/30/1994
				<	5	mg/l	-	-	-	3	8/29/1994	10/31/1994
			Sodium			mg/l	3.00	81.00	23.74	22	10/28/1992	5/21/2009
				<	0.2	mg/l	-	-	-	2	10/13/1993	10/13/1993
			Bicarbonate(HCO3-)			mg/l	245	390	323	22	10/28/1992	7/26/2000
			Carbonate (CO3-2)			mg/l	0	0	0	7	10/28/1992	8/15/1993
				<	1	mg/l	-	-	-	8	10/13/1993	10/31/1994
				<	5	mg/l	-	-	-	7	6/24/1997	7/26/2000
			Chloride			mg/l	2	65	11	24	10/28/1992	5/21/2009
			Sulfate			mg/l	9	6000	363	24	10/28/1992	5/21/2009
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	1	mg/l	-	-	-	7	6/24/1997	7/26/2000
				<	2	mg/l	-	-	-	5	3/23/1994	10/31/1994
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	10	3/23/1994	10/28/1997
				<	0.01	mg/l	-	-	-	3	6/1/2000	8/23/2006
			Boron, Dissolved			mg/l	0.10	0.30	0.17	12	3/23/1994	8/23/2006
				<	0.1	mg/l	-	-	-	1	6/24/1997	6/24/1997

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Stream	FC-1	(lab)	Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.01	mg/l	-	-	-	5	6/24/1997	10/28/1997
				<	0.01	mg/l	-	-	-	1	6/1/2000	6/1/2000
				<	0.02	mg/l	-	-	-	5	3/23/1994	10/31/1994
				<	0.1	mg/l	-	-	-	1	7/26/2000	7/26/2000
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	5	6/24/1997	10/28/1997
				<	0.1	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.2	mg/l	-	-	-	5	3/23/1994	10/31/1994
			Iron, Dissolved			**mg/l**	**0.05**	**0.05**	**0.05**	**1**	**6/24/1993**	**6/24/1993**
				<	0.03	mg/l	-	-	-	2	8/23/2006	5/21/2009
				<	0.05	mg/l	-	-	-	4	6/24/1993	10/26/1993
				<	0.1	mg/l	-	-	-	5	6/24/1997	10/28/1997
				<	0.1	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.2	mg/l	-	-	-	5	3/23/1994	10/31/1994
			Iron, Total			**mg/l**	**0.05**	**5.67**	**0.58**	**17**	**10/28/1992**	**5/21/2009**
				<	0.1	mg/l	-	-	-	2	6/24/1997	9/17/1997
				<	0.1	mg/l	-	-	-	1	7/26/2000	7/26/2000
				<	0.2	mg/l	-	-	-	4	3/23/1994	10/31/1994
			Lead , Dissolved	<	0.01	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	5	6/24/1997	10/28/1997
				<	0.1	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.2	mg/l	-	-	-	5	3/23/1994	10/31/1994
			Manganese, Dissolved			**mg/l**	**0.005**	**0.005**	**0.005**	**1**	**8/23/2006**	**8/23/2006**
				<	0.002	mg/l	-	-	-	1	5/21/2009	5/21/2009
				<	0.03	mg/l	-	-	-	3	10/13/1993	10/26/1993
				<	0.1	mg/l	-	-	-	8	3/23/1994	10/28/1997
				<	0.1	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.2	mg/l	-	-	-	3	8/29/1994	10/31/1994
			Manganese, Total			**mg/l**	**0.007**	**0.170**	**0.042**	**9**	**10/28/1992**	**5/21/2009**
				<	0.01	mg/l	-	-	-	1	8/15/1993	8/15/1993
				<	0.03	mg/l	-	-	-	2	10/13/1993	10/13/1993
				<	0.1	mg/l	-	-	-	6	3/23/1994	9/17/1997
				<	0.1	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.2	mg/l	-	-	-	3	8/29/1994	10/31/1994
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.02	mg/l	-	-	-	1	6/1/2000	6/1/2000
				<	0.1	mg/l	-	-	-	5	6/24/1997	10/28/1997
				<	0.1	mg/l	-	-	-	1	7/26/2000	7/26/2000
				<	0.2	mg/l	-	-	-	5	3/23/1994	10/31/1994
			Selenium, Dissolved			**mg/l**	**0.010**	**0.010**	**0.010**	**1**	**3/23/1994**	**3/23/1994**
				<	0.01	mg/l	-	-	-	9	5/30/1994	10/28/1997
				<	0.01	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.02	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Zinc, Dissolved			**mg/l**	**0.010**	**0.470**	**0.105**	**8**	**10/28/1992**	**9/10/1997**
				<	0.004	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.005	mg/l	-	-	-	1	8/15/1993	8/15/1993
				<	0.01	mg/l	-	-	-	4	6/24/1997	10/28/1997
				<	0.01	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.03	mg/l	-	-	-	7	6/24/1993	10/31/1994

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Stream	FC-1	(lab)	Nitrate			mg/l	0.01	0.54	0.15	12	10/28/1992	8/29/1994
				<	0.03	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.1	mg/l	-	-	-	7	5/30/1994	9/17/1997
			Nitrite			mg/l	0.000	0.020	0.003	10	10/28/1992	8/29/1994
				<	0.01	mg/l	-	-	-	8	3/23/1994	9/17/1997
				<	0.02	mg/l	-	-	-	1	8/15/1993	8/15/1993
				<	0.03	mg/l	-	-	-	2	6/1/2000	7/26/2000
				<	0.05	mg/l	-	-	-	1	8/23/2006	8/23/2006
			Nitrogen (Ammonia)			mg/l	0.00	0.00	0.00	2	10/28/1992	10/28/1992
				<	0.05	mg/l	-	-	-	1	7/26/2000	7/26/2000
				<	0.08	mg/l	-	-	-	8	6/24/1993	10/26/1993
				<	0.1	mg/l	-	-	-	1	8/23/2006	8/23/2006
				<	0.4	mg/l	-	-	-	5	3/23/1994	10/31/1994
				<	0.5	mg/l	-	-	-	5	6/24/1997	6/1/2000
			Phosphate			mg/l	0.00	0.06	0.02	11	10/13/1993	10/28/1997
				<	0.02	mg/l	-	-	-	2	3/23/1994	5/30/1994
				<	0.05	mg/l	-	-	-	2	6/1/2000	7/26/2000
	FC-2	(field)	Flow			gpm	4.00	190.00	82.09	11	5/30/2007	5/21/2009
			pH			S.U.	7.80	8.70	8.30	10	5/30/2007	10/30/2008
			Specific Conductivity			umhos/cm	640.0	970.0	775.5	11	5/30/2007	5/21/2009
			Temp			Deg. C	7.3	21.7	12.9	11	5/30/2007	5/21/2009
			Dissolved Oxygen			mg/l	6.4	8.4	7.4	11	5/30/2007	5/21/2009
		(lab)	Specific Conductivity			umhos/cm	675.0	1022.0	820.4	9	5/30/2007	5/21/2009
				<	?	umhos/cm	-	-	-	1	7/18/2007	7/18/2007
			Total Dissolved Solids			mg/l	425	764	505	8	5/30/2007	5/21/2009
			Total Hardness (as CaCO3)			mg/l	369.0	468.0	420.0	9	5/30/2007	5/21/2009
				<	?	mg/l	-	-	-	1	7/18/2007	7/18/2007
			Total Settleable Solids			mg/l	0.2	58.0	29.1	2	5/20/2008	8/7/2008
				<	0.1	mg/l	-	-	-	6	5/30/2007	5/21/2009
			Total Suspended Solids			mg/l	11	9580	2416	4	10/17/2007	5/21/2009
				<	5	mg/l	-	-	-	4	5/30/2007	10/30/2008
			Oil and Grease	<	2	mg/l	-	-	-	5	5/30/2007	5/20/2008
				<	5	mg/l	-	-	-	3	8/7/2008	5/21/2009
			Calcium			mg/l	8.30	93.47	61.58	10	5/30/2007	5/21/2009
			Magnesium			mg/l	53.30	73.90	60.56	10	5/30/2007	5/21/2009
			Potassium			mg/l	1.36	7.22	2.43	8	5/30/2007	5/21/2009
			Sodium			mg/l	12.45	21.44	15.57	8	5/30/2007	5/21/2009
			Bicarbonate(HCO3-)			mg/l	250	288	269	2	7/18/2007	8/26/2007
			Carbonate (CO3-2)			mg/l	10	16	13	2	7/18/2007	8/26/2007
			Chloride			mg/l	7	742	82	10	5/30/2007	5/21/2009
			Sulfate			mg/l	119	343	167	8	5/30/2007	5/21/2009
			Aluminum, Dissolved	<	?	mg/l	-	-	-	1	8/26/2007	8/26/2007
				<	0.03	mg/l	-	-	-	5	5/30/2007	5/21/2009
			Arsenic, Dissolved	<	?	mg/l	-	-	-	1	8/26/2007	8/26/2007
				<	0.01	mg/l	-	-	-	5	5/30/2007	5/21/2009
			Boron, Dissolved			mg/l	0.03	0.06	0.04	6	5/30/2007	5/21/2009
				<	?	mg/l	-	-	-	1	7/18/2007	7/18/2007
			Cadmium, Dissolved	<	?	mg/l	-	-	-	1	8/26/2007	8/26/2007
				<	0.001	mg/l	-	-	-	5	5/30/2007	5/21/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Stream	FC-2	(lab)	Copper, Dissolved	<	?	mg/l	-	-	-	1	8/26/2007	8/26/2007
				<	0.01	mg/l	-	-	-	5	5/30/2007	5/21/2009
			Iron, Dissolved	<	?	mg/l	-	-	-	1	8/26/2007	8/26/2007
				<	0.03	mg/l	-	-	-	8	5/30/2007	5/21/2009
			Iron, Total			mg/l	0.05	115.43	19.52	6	8/26/2007	5/21/2009
				<	?	mg/l	-	-	-	1	7/18/2007	7/18/2007
				<	0.05	mg/l	-	-	-	3	5/30/2007	5/30/2007
			Lead , Dissolved	<	?	mg/l	-	-	-	2	7/18/2007	8/26/2007
				<	0.01	mg/l	-	-	-	5	5/30/2007	5/21/2009
			Manganese, Dissolved			mg/l	0.003	0.013	0.006	6	7/18/2007	5/21/2009
				<	0.002	mg/l	-	-	-	4	5/30/2007	5/20/2008
			Manganese, Total			mg/l	0.006	2.819	0.413	7	7/18/2007	5/21/2009
				<	0.002	mg/l	-	-	-	3	5/30/2007	5/30/2007
			Molybdenum, Dissolved	<	?	mg/l	-	-	-	2	7/18/2007	8/26/2007
				<	0.005	mg/l	-	-	-	5	5/30/2007	5/21/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	5	5/30/2007	5/21/2009
			Zinc, Dissolved	<	0.004	mg/l	-	-	-	5	5/30/2007	5/21/2009
			Nitrate	<	?	mg/l	-	-	-	2	7/18/2007	8/26/2007
				<	0.05	mg/l	-	-	-	5	5/30/2007	5/21/2009
			Nitrite	<	?	mg/l	-	-	-	2	7/18/2007	8/26/2007
				<	0.05	mg/l	-	-	-	5	5/30/2007	5/21/2009
			Nitrogen (Ammonia)	<	?	mg/l	-	-	-	2	7/18/2007	8/26/2007
				<	0.1	mg/l	-	-	-	4	5/30/2007	5/21/2009
			Phosphate	<	0.05	mg/l	-	-	-	2	10/17/2007	5/21/2009
	FC-3	(field)	Flow			gpm	2.00	60.00	19.43	7	10/11/2007	10/7/2009
			pH			S.U.	7.90	8.30	8.05	6	10/11/2007	10/8/2008
			Specific Conductivity			umhos/cm	340.0	510.0	453.8	8	10/11/2007	10/7/2009
			Temp			Deg. C	4.9	10.2	8.1	8	10/11/2007	10/7/2009
			Dissolved Oxygen			mg/l	6.8	8.2	7.7	8	10/11/2007	10/7/2009
		(lab)	Specific Conductivity			umhos/cm	452.0	540.0	481.9	7	10/11/2007	10/7/2009
			Total Dissolved Solids			mg/l	259	305	280	7	10/11/2007	10/7/2009
			Total Hardness (as CaCO3)			mg/l	244.0	278.0	263.9	7	10/11/2007	10/7/2009
			Total Settleable Solids	<	0.1	mg/l	-	-	-	7	10/11/2007	10/7/2009
			Total Suspended Solids			mg/l	6	28	17	2	10/11/2007	10/7/2009
				<	5	mg/l	-	-	-	5	6/11/2008	5/26/2009
			Oil and Grease	<	2	mg/l	-	-	-	1	10/11/2007	10/11/2007
				<	5	mg/l	-	-	-	6	6/11/2008	10/7/2009
			Calcium			mg/l	62.09	68.22	65.66	7	10/11/2007	10/7/2009
			Magnesium			mg/l	20.83	26.70	24.21	7	10/11/2007	10/7/2009
			Potassium			mg/l	0.37	0.76	0.55	7	10/11/2007	10/7/2009
			Sodium			mg/l	2.49	4.10	3.17	7	10/11/2007	10/7/2009
			Chloride			mg/l	3	3	3	7	10/11/2007	10/7/2009
			Sulfate			mg/l	12	22	16	7	10/11/2007	10/7/2009
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	7	10/11/2007	10/7/2009
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	7	10/11/2007	10/7/2009
			Boron, Dissolved			mg/l	0.01	0.01	0.01	4	10/11/2007	5/26/2009
				<	0.01	mg/l	-	-	-	2	6/11/2008	7/2/2008
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	7	10/11/2007	10/7/2009
			Copper, Dissolved	<	0.01	mg/l	-	-	-	7	10/11/2007	10/7/2009
			Iron, Dissolved	<	0.03	mg/l	-	-	-	7	10/11/2007	10/7/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Stream	FC-3	(lab)	Iron, Total			mg/l	0.07	1.06	0.33	4	10/11/2007	10/7/2009
				<	0.05	mg/l	-	-	-	3	6/11/2008	8/6/2008
			Lead , Dissolved	<	0.01	mg/l	-	-	-	7	10/11/2007	10/7/2009
			Manganese, Dissolved	<	0.002	mg/l	-	-	-	7	10/11/2007	10/7/2009
			Manganese, Total			mg/l	0.003	0.022	0.010	3	10/11/2007	10/7/2009
				<	0.002	mg/l	-	-	-	4	6/11/2008	5/26/2009
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	6	10/11/2007	5/26/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	7	10/11/2007	10/7/2009
			Zinc, Dissolved			mg/l	0.005	0.005	0.005	1	7/2/2008	7/2/2008
				<	0.004	mg/l	-	-	-	6	10/11/2007	10/7/2009
			Nitrate			mg/l	0.07	0.25	0.15	6	10/11/2007	10/7/2009
				<	0.05	mg/l	-	-	-	1	10/8/2008	10/8/2008
			Nitrite	<	0.05	mg/l	-	-	-	7	10/11/2007	10/7/2009
			Nitrogen (Ammonia)			mg/l	0.30	0.30	0.30	1	10/8/2008	10/8/2008
				<	0.1	mg/l	-	-	-	5	6/11/2008	10/7/2009
			Phosphate	<	0.05	mg/l	-	-	-	7	10/11/2007	10/7/2009
	FC-4	(field)	Flow			gpm	4.00	100.00	39.15	13	5/28/2007	10/7/2009
			pH			S.U.	7.80	8.80	8.32	11	5/28/2007	8/12/2009
			Specific Conductivity			umhos/cm	7.8	520.0	388.5	15	5/28/2007	10/7/2009
			Temp			Deg. C	3.7	10.7	8.4	13	5/28/2007	10/7/2009
			Dissolved Oxygen			mg/l	0.7	8.6	7.0	14	5/28/2007	10/7/2009
		(lab)	Specific Conductivity			umhos/cm	445.0	1272.0	535.0	13	5/28/2007	10/7/2009
			Total Dissolved Solids			mg/l	260	568	288	13	5/28/2007	10/7/2009
			Total Hardness (as CaCO3)			mg/l	247.0	267.0	252.6	12	5/28/2007	10/7/2009
			Total Settleable Solids	<	0.1	mg/l	-	-	-	13	5/28/2007	10/7/2009
			Total Suspended Solids			mg/l	6	44	17	6	10/11/2007	10/7/2009
				<	5	mg/l	-	-	-	7	5/28/2007	7/31/2009
			Oil and Grease	<	2	mg/l	-	-	-	4	5/28/2007	10/11/2007
				<	5	mg/l	-	-	-	8	6/11/2008	10/7/2009
			Calcium			mg/l	57.83	70.57	63.05	12	5/28/2007	10/7/2009
			Magnesium			mg/l	21.41	25.60	23.09	12	5/28/2007	10/7/2009
			Potassium			mg/l	0.26	0.73	0.40	12	5/28/2007	10/7/2009
			Sodium			mg/l	2.52	2.96	2.73	12	5/28/2007	10/7/2009
			Chloride			mg/l	2	233	21	13	5/28/2007	10/7/2009
			Sulfate			mg/l	12	16	13	13	5/28/2007	10/7/2009
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	12	5/28/2007	10/7/2009
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	12	5/28/2007	10/7/2009
			Boron, Dissolved			mg/l	0.01	0.01	0.01	7	5/28/2007	8/12/2009
				<	0.01	mg/l	-	-	-	3	6/11/2008	5/26/2009
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	12	5/28/2007	10/7/2009
			Copper, Dissolved	<	0.01	mg/l	-	-	-	12	5/28/2007	10/7/2009
			Iron, Dissolved	<	0.03	mg/l	-	-	-	12	5/28/2007	10/7/2009
			Iron, Total			mg/l	0.26	0.26	0.26	1	10/7/2009	10/7/2009
				<	0.05	mg/l	-	-	-	11	5/28/2007	8/12/2009
			Lead , Dissolved	<	0.01	mg/l	-	-	-	12	5/28/2007	10/7/2009
			Manganese, Dissolved			mg/l	0.005	0.005	0.005	1	10/11/2007	10/11/2007
				<	0.002	mg/l	-	-	-	11	5/28/2007	10/7/2009
			Manganese, Total			mg/l	0.005	0.010	0.008	2	10/11/2007	10/7/2009
				<	0.002	mg/l	-	-	-	10	5/28/2007	8/12/2009
			Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	10	5/28/2007	8/12/2009
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	12	5/28/2007	10/7/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
Stream	FC-4	(lab)	Zinc, Dissolved			mg/l	0.004	0.007	0.005	6	5/28/2007	5/26/2009
				<	0.004	mg/l	-	-	-	6	7/2/2008	10/7/2009
			Nitrate			mg/l	0.07	7.00	0.71	13	5/28/2007	10/7/2009
			Nitrite			mg/l	0.110	0.110	0.110	1	10/11/2007	10/11/2007
				<	0.05	mg/l	-	-	-	12	5/28/2007	10/7/2009
			Nitrogen (Ammonia)			mg/l	0.10	0.90	0.40	4	10/8/2008	7/31/2009
				<	0.1	mg/l	-	-	-	8	5/28/2007	10/7/2009
			Phosphate	<	0.05	mg/l	-	-	-	10	10/11/2007	10/7/2009
	FC-5	(field)	Flow			gpm	0.00	0.00	0.00	1	7/2/2008	7/2/2008
	FC-6	(field)	Flow			gpm				0	7/7/2008	7/7/2008
	FC-7	(field)	Flow			gpm	0.00	0.00	0.00	1	7/7/2008	7/7/2008
	FC-8	(field)	Flow			gpm	0.00	0.00	0.00	1	7/7/2008	7/7/2008
	MH-1	(field)	Flow			gpm	10.00	430.00	179.89	19	5/30/2007	10/26/2009
			pH			S.U.	6.50	8.80	8.27	19	5/30/2007	10/26/2009
			Specific Conductivity			umhos/cm	410.0	940.0	640.3	22	5/30/2007	10/26/2009
			Temp			Deg. C	3.5	79.8	12.4	19	5/30/2007	10/26/2009
			Dissolved Oxygen			mg/l	6.2	9.8	7.9	19	5/30/2007	10/26/2009
		(lab)	Specific Conductivity			umhos/cm	500.0	1033.0	694.8	17	5/30/2007	10/26/2009
			Total Dissolved Solids			mg/l	306	662	430	16	5/30/2007	10/26/2009
			Total Hardness (as CaCO3)			mg/l	293.0	541.0	365.6	19	5/30/2007	10/26/2009
			Total Settleable Solids			mg/l	1.0	6.5	3.5	4	5/22/2008	9/11/2008
				<	0.1	mg/l	-	-	-	12	5/30/2007	10/26/2009
			Total Suspended Solids			mg/l	9	2876	402	13	5/30/2007	10/26/2009
				<	5	mg/l	-	-	-	3	2/12/2009	9/29/2009
			Oil and Grease			mg/l	2.0	10.0	6.0	2	5/22/2008	6/11/2008
				<	2	mg/l	-	-	-	6	5/30/2007	6/2/2008
				<	5	mg/l	-	-	-	9	7/7/2008	10/26/2009
			Calcium			mg/l	53.75	107.16	67.92	19	5/30/2007	10/26/2009
			Magnesium			mg/l	26.14	66.34	47.63	19	5/30/2007	10/26/2009
			Potassium			mg/l	0.87	4.45	1.89	16	5/30/2007	10/26/2009
			Sodium			mg/l	4.77	8.77	7.06	16	5/30/2007	10/26/2009
			Bicarbonate(HCO3-)			mg/l	216	238	224	3	7/9/2007	9/20/2007
			Carbonate (CO3-2)			mg/l	6	6	6	1	8/26/2007	8/26/2007
				<	?	mg/l	-	-	-	2	7/9/2007	9/20/2007
			Chloride			mg/l	4	6	5	19	5/30/2007	10/26/2009
			Sulfate			mg/l	40	255	111	16	5/30/2007	10/26/2009
			Aluminum, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.03	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Arsenic, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.01	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Boron, Dissolved			mg/l	0.02	0.04	0.03	8	5/30/2007	10/11/2007
			Cadmium, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.001	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Copper, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.01	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Iron, Dissolved			mg/l	0.05	0.05	0.05	1	9/11/2008	9/11/2008
				<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.03	mg/l	-	-	-	15	5/30/2007	10/26/2009
			Iron, Total			mg/l	0.05	29.60	4.09	17	5/30/2007	10/26/2009
				<	?	mg/l	-	-	-	1	7/9/2007	7/9/2007

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
				<	0.05	mg/l	-	-	-	1	8/5/2009	8/5/2009
Stream	MH-1	(lab)	Lead , Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.01	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Manganese, Dissolved			mg/l	0.002	0.007	0.004	8	9/20/2007	10/26/2009
				<	?	mg/l	-	-	-	2	7/9/2007	8/26/2007
				<	0.002	mg/l	-	-	-	9	5/30/2007	8/5/2009
			Manganese, Total			mg/l	0.003	0.688	0.087	19	5/30/2007	10/26/2009
			Molybdenum, Dissolved	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.005	mg/l	-	-	-	5	5/30/2007	10/11/2007
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Zinc, Dissolved			mg/l	0.005	0.015	0.009	3	6/3/2009	10/26/2009
				<	0.004	mg/l	-	-	-	5	5/30/2007	10/11/2007
			Nitrate			mg/l	0.29	0.29	0.29	1	10/26/2009	10/26/2009
				<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.05	mg/l	-	-	-	7	5/30/2007	9/29/2009
			Nitrite	<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.05	mg/l	-	-	-	8	5/30/2007	10/26/2009
			Nitrogen (Ammonia)			mg/l	0.10	0.10	0.10	1	6/3/2009	6/3/2009
				<	?	mg/l	-	-	-	3	7/9/2007	9/20/2007
				<	0.1	mg/l	-	-	-	6	5/30/2007	10/26/2009
			Phosphate	<	0.05	mg/l	-	-	-	4	10/11/2007	10/26/2009
	MH-2	(field)	Flow			gpm	1.00	60.00	8.79	12	6/26/2007	10/6/2009
			pH			S.U.	7.80	9.10	8.27	10	6/26/2007	8/17/2009
			Specific Conductivity			umhos/cm	270.0	560.0	425.0	12	6/26/2007	10/6/2009
			Temp			Deg. C	4.7	26.4	17.6	12	6/26/2007	10/6/2009
			Dissolved Oxygen			mg/l	4.4	8.2	6.5	11	6/26/2007	10/6/2009
		(lab)	Specific Conductivity			umhos/cm	302.0	558.0	420.2	11	6/26/2007	10/6/2009
			Total Dissolved Solids			mg/l	163	356	253	11	6/26/2007	10/6/2009
			Total Hardness (as CaCO3)			mg/l	164.0	273.0	234.0	11	6/26/2007	10/6/2009
			Total Settleable Solids			mg/l	0.1	0.5	0.3	3	8/12/2008	7/20/2009
				<	0.1	mg/l	-	-	-	8	6/26/2007	10/6/2009
			Total Suspended Solids			mg/l	10	189	55	10	6/26/2007	10/6/2009
				<	5	mg/l	-	-	-	1	6/25/2008	6/25/2008
			Oil and Grease	<	2	mg/l	-	-	-	5	6/26/2007	10/28/2007
				<	5	mg/l	-	-	-	5	8/12/2008	10/6/2009
			Calcium			mg/l	45.74	80.47	63.55	11	6/26/2007	10/6/2009
			Magnesium			mg/l	12.00	25.27	18.37	11	6/26/2007	10/6/2009
			Potassium			mg/l	0.33	19.15	3.15	11	6/26/2007	10/6/2009
			Sodium			mg/l	2.33	3.81	2.95	11	6/26/2007	10/6/2009
			Chloride			mg/l	2	7	3	11	6/26/2007	10/6/2009
			Sulfate			mg/l	4	8	5	11	6/26/2007	10/6/2009
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	5	8/12/2008	10/6/2009
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	5	8/12/2008	10/6/2009
			Boron, Dissolved			mg/l	0.02	0.02	0.02	1	8/12/2008	8/12/2008
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	5	8/12/2008	10/6/2009
			Copper, Dissolved	<	0.01	mg/l	-	-	-	5	8/12/2008	10/6/2009
			Iron, Dissolved	<	0.03	mg/l	-	-	-	11	6/26/2007	10/6/2009
			Iron, Total			mg/l	0.12	2.56	0.75	10	6/26/2007	10/6/2009
				<	0.05	mg/l	-	-	-	1	6/25/2008	6/25/2008
			Lead , Dissolved	<	0.01	mg/l	-	-	-	5	8/12/2008	10/6/2009
			Manganese, Dissolved	<	0.002	mg/l	-	-	-	11	6/26/2007	10/6/2009

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
			Manganese, Total			mg/l	0.004	0.189	0.045	11	6/26/2007	10/6/2009
Stream	MH-2	(lab)	Molybdenum, Dissolved	<	0.005	mg/l	-	-	-	1	8/12/2008	8/12/2008
			Selenium, Dissolved	<	0.02	mg/l	-	-	-	5	8/12/2008	10/6/2009
			Zinc, Dissolved			mg/l	0.006	0.007	0.007	2	8/12/2008	10/6/2009
				<	0.004	mg/l	-	-	-	3	5/27/2009	8/17/2009
			Nitrate			mg/l	0.07	0.13	0.12	5	6/26/2007	8/17/2009
				<	0.05	mg/l	-	-	-	5	10/28/2007	10/6/2009
			Nitrite			mg/l	0.060	0.060	0.060	1	8/12/2008	8/12/2008
				<	0.05	mg/l	-	-	-	9	6/26/2007	10/6/2009
			Nitrogen (Ammonia)			mg/l	0.20	0.90	0.55	2	8/12/2008	7/20/2009
				<	0.1	mg/l	-	-	-	7	6/26/2007	10/6/2009
			Phosphate	<	0.05	mg/l	-	-	-	10	6/26/2007	10/6/2009
Well	SBC-3	(field)	Flow			gpm	0.00	223.00	60.75	10	10/30/2002	5/24/2009
			Water Level			feet	19.00	40.00	29.03	23	5/9/2000	10/29/2008
			pH			S.U.	5.60	8.25	7.07	40	5/9/2000	8/5/2009
			Specific Conductivity			umhos/cm	296.0	8350.0	3491.7	39	5/9/2000	10/5/2009
			Temp			Deg. C	6.2	65.7	13.6	42	5/9/2000	10/5/2009
			Dissolved Oxygen			mg/l	7.2	7.2	7.2	1	2/12/2009	2/12/2009
		(lab)	Specific Conductivity			umhos/cm	496.0	6730.0	3958.7	39	5/9/2000	2/25/2010
			Total Dissolved Solids			mg/l	735	6181	3647	39	5/9/2000	2/25/2010
			Total Hardness (as CaCO3)			mg/l	586.0	3898.0	2378.0	39	5/9/2000	2/25/2010
			Calcium			mg/l	78.70	494.00	300.95	39	5/9/2000	2/25/2010
			Magnesium			mg/l	94.50	647.00	394.96	39	5/9/2000	2/25/2010
			Potassium			mg/l	9.00	36.83	22.82	39	5/9/2000	2/25/2010
			Sodium			mg/l	19.80	670.68	160.80	39	5/9/2000	2/25/2010
			Bicarbonate(HCO3-)			mg/l	284	677	526	18	5/9/2000	8/17/2004
			Carbonate (CO3-2)	<	5	mg/l	-	-	-	18	5/9/2000	8/17/2004
			Chloride			mg/l	13	1369	246	39	5/9/2000	2/25/2010
			Sulfate			mg/l	282	3171	1887	39	5/9/2000	2/25/2010
			Aluminum, Dissolved	<	0.03	mg/l	-	-	-	1	8/29/2006	8/29/2006
				<	1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Arsenic, Dissolved	<	0.01	mg/l	-	-	-	2	8/31/2000	8/29/2006
			Boron, Dissolved			mg/l	0.48	0.48	0.48	1	8/29/2006	8/29/2006
				<	0.1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Cadmium, Dissolved	<	0.001	mg/l	-	-	-	1	8/29/2006	8/29/2006
				<	0.01	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Copper, Dissolved	<	0.01	mg/l	-	-	-	1	8/29/2006	8/29/2006
				<	0.1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Iron, Dissolved			mg/l	0.05	0.10	0.06	8	2/28/2001	5/23/2007
				<	0.005	mg/l	-	-	-	3	2/4/2003	10/9/2003
				<	0.025	mg/l	-	-	-	1	8/5/2003	8/5/2003
				<	0.03	mg/l	-	-	-	18	2/18/2004	2/25/2010
				<	0.1	mg/l	-	-	-	9	5/9/2000	8/14/2002
			Iron, Total			mg/l	0.21	10.70	1.83	39	5/9/2000	2/25/2010
			Lead , Dissolved	<	0.01	mg/l	-	-	-	1	8/29/2006	8/29/2006
				<	0.1	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Manganese, Dissolved			mg/l	0.002	0.121	0.035	25	2/4/2003	2/25/2010
				<	0.002	mg/l	-	-	-	3	5/27/2004	5/24/2009
				<	0.025	mg/l	-	-	-	1	8/5/2003	8/5/2003
				<	0.05	mg/l	-	-	-	5	8/19/2001	8/14/2002
				<	0.1	mg/l	-	-	-	5	5/9/2000	5/7/2001

Type	Site Name	Measurement	Parameter*	SIGN	MDL	UNITS	Minimum	Maximum	Mean	Count	Start	End
	SBC-3	(lab)	Manganese, Total			mg/l	0.002	0.253	0.064	33	10/26/2000	2/25/2010
				<	0.05	mg/l	-	-	-	2	10/20/2001	2/20/2002
				<	0.1	mg/l	-	-	-	4	5/9/2000	5/7/2001
			Molybdenum, Dissolved			mg/l	0.040	0.040	0.040	1	8/31/2000	8/31/2000
				<	0.005	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Selenium, Dissolved	<	0.01	mg/l	-	-	-	1	8/31/2000	8/31/2000
				<	0.02	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Zinc, Dissolved			mg/l	0.040	2.056	1.048	2	8/31/2000	8/29/2006
			Nitrate			mg/l	0.51	6.93	2.98	3	8/31/2000	8/29/2006
			Nitrite			mg/l	4.030	4.030	4.030	1	2/28/2001	2/28/2001
				<	0.03	mg/l	-	-	-	1	8/31/2000	8/31/2000
				<	0.05	mg/l	-	-	-	1	8/29/2006	8/29/2006
			Nitrogen (Ammonia)	<	0.1	mg/l	-	-	-	1	8/29/2006	8/29/2006
				<	0.5	mg/l	-	-	-	1	8/31/2000	8/31/2000
			Phosphate	<	0.05	mg/l	-	-	-	1	8/31/2000	8/31/2000
Well	MW-114	(field)	Flow			gpm	0.00	1672.00	459.83	4	8/16/2002	7/11/2008
			Water Level			feet	1607.07	1677.69	1668.01	18	6/3/2003	10/23/2008
			Temp			Deg. C	9.0	9.0	9.0	1	6/3/2008	6/3/2008
	MW-117	(field)	Flow			gpm	0.00	1783.00	891.03	4	8/16/2002	7/11/2008
		(field)	Water Level			feet	1760.20	1783.30	1777.82	16	6/3/2003	10/23/2008
	SDH-2	(field)	Flow			gpm	0.00	70.00	14.00	5	10/30/2000	6/30/2008
		(field)	Water Level			feet	1479.00	1561.40	1519.06	27	6/21/2000	10/23/2008
	SDH-3	(field)	Flow			gpm	0.00	72.00	24.00	3	8/16/2002	6/30/2008
		(field)	Water Level			feet	1456.00	1553.68	1492.46	25	6/21/2000	10/23/2008

* ***Calcium*** *combines "Total Calcium (mg/l)" and "Calcium Dissolved (mg/l)"*

* ***Sodium*** *combines "Total Sodium (mg/l)" and "Sodium Dissolved (mg/l)"*

* ***Magnesium*** *combines "Total Magnesium (mg/l)" and "Magnesium Dissolved (mg/l)"*

* ***Potassium*** *combines "Total Potassium (mg/l)" and "Potassium Dissolved (mg/l)"*

* ***Nitrate*** *combines "NO2+NO3 AS N (mg/l)" and "NITRATE AS N (mg/l)"*

Edited Tables
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Table 7-12 Ground Water Sampling

	Baseline Monitoring	Operational Monitoring	Post-mining Monitoring
Type of Sampling site	Springs, In-Mine Flows, Boreholes, Observation Wells.	Springs, In-Mine Flows, Boreholes, Observation Wells.	Springs, Observation Wells, Mine discharge points.
Field Measurement and Parameters (Table 7.1-7)	Water levels and/or flow and water quality	Water levels and/or flow and water quality	Water levels and/or flow and water quality
Sample Frequency Each site	Quarterly Adequate to describe seasonal variation.	Quarterly samples springs and wells	Quarterly based on potential impact or once per annum (spring sampling at low flow).
	Monthly recommended for more accurate description of seasonal variation	In-mine flows > **5 gpm** at initial interception, quarterly after 1st 30 days until diminished.	
		From sumps and/or mine discharge points quarterly or as required by UPDES.	
Sampling Duration	~~Three~~ **Two** years (Prior to mining in the area).	Every year until two years after surface reclamation activities have ceased. Site will be monitored 4 times a year.	Until termination of bonding
Type of Data Collected and Reported	Wells and Boreholes: Water quality, water level or flow logs, collar elevation; ground elevations; screened interval; formation where completed; depth.	Wells and boreholes: **Field** water quality **and W**ater level or flow	Wells and Boreholes: Water quality, water level or flow.
		Springs: Flow and water quality with one **iron & manganese** sample taken at low flow.	Springs: Flow, water quality with one sample taken at low flow.
	Springs: Water quality, location, and flow.		Phase I: Whether pollution of surface and subsurface water is occurring, the probability of future occurrence, and estimated cost of abatement.
			Phase II: After revegetation has been established and contributing suspended solids to streamflow or runoff outside the permit area is not excess of the requirements set by UCA 40-10-17(j) of the Act and by R645-301-751.
			Phase III: Until reclamation requirements of the Act and the permit are fully met.
Comments	Springs and seeps should be measured from source at high and low flow periods.	During the year preceding re-permitting. Spring, one water quality sample at low flow for ~~baseline~~ **expanded** parameters. Other sites, one sample for ~~baseline~~ **expanded** parameters.	

Table 7-13 Ground Water Quality Parameter List

Operation, Post Mining	Baseline	Expanded	Parameter	
Field Measurements:				
*	-		Water Levels or Flow	
*	-		pH	
*	-		Specific Conductivity (µmhos/cm)	
*	-		Temperature (°C)	
Laboratory Measurements: (mg/L) (Major, minor ions and trace elements are to be analyzed in dissolved form only.)				
*	-	^	Total Dissolved Solids	
*	-	^	Total Hardness (as $CaCO_3$)	
	-		Aluminum (Al)	
*	-		Carbonate (CO_3)	
*	-	^	Cation-Anion Balance	
	-	^	Boron (B)	
*	-	^	Bicarbonate (HCO_3)	
	-		Cadmium (Cd)	
*	-	^	Calcium (Ca)	
*	-	^	Chloride (Cl)	
	-		Copper (Cu)	
*	-	^	Iron (Fe)	(Total and Dissolved)
†	-		Lead (Pb)	
*	-	^	Magnesium (Mg)	
*	-	^	Manganese (Mn)	(Total and Dissolved)
	-		Molybdenum (Mo)	
	-		Nitrogen, Ammonia (NH_3)	
	-		Nitrite (NO_2)	
	-		Nitrate (NO_3)	
*	-		Potassium (K)	
	-		Phosphate (PO_4)	
	-	^	Selenium (Se)	
*	-	^	Sodium (Na)	
*	-	^	Specific Conductivity (µmhos/cm)	
*	-	^	Sulfate (SO_4)	
	-		Zinc (Zn)	

Sampling Period:

- Baseline
- * Operation, Post-mining
- ^ **Expanded List acquired in the year preceding renewal**
- † Quarterly for sites SBC-9A and SBC-4

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Table 7-14 Water Monitoring Matrix: Operational Phase of Mining

Location		Status	Jan	Feb	Mar	May	June	July	Aug[3]	Sept	Oct	Nov	Dec
Streams													
BC-1	(Upper Bear Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
BC-2	(Lower Bear Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
BC-3	(Lower Rt Fork Bear Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
BC-4	(Upper Rt Fork Bear Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
CK-1	(Upper Cedar Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
CK-2	(Lower Cedar Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
MH-1	(Lower McCadden Hollow Creek)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
MH-2	(Upper McCadden Hollow Creek)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
FC-1	(Lower Left Fork Fish Creek)[7]	**Active**				field[5]		~~field~~	field		field		
FC-2	(Lower Right Fork Fish Creek)[7]	**Inactive; initiate when mining T16N R8E Secs 20 or 17**				field[5]		~~field~~	field		field		
FC-3	(Right Fork Fish Creek Property Li	**Inactive; initiate when mining T16N R8E Secs 17 or 18**				field[5]		~~field~~	field		field		
FC-4	(Upper Right Fork Fish Creek)[7]	**Inactive; initiate when mining T16N R8E Secs 7 or 18**				field[5]		~~field~~	field		field		
FC-5	(Mud Spring)[7]	**Inactive; initiate when mining T16N R8E Sec 7**				field[5]		~~field~~	field		field		
FC-6	(Upper Left Fork Fish Creek)[7]	**Inactive; initiate when mining T16N R8E Secs 18, 19 or 20**				field[5]		~~field~~	field		field		
FC-7	(Water Right Upper Left Fork Fish	**Inactive; initiate when mining T16N R8E Secs 18, 19 or 20**				field[5]		~~field~~	field		field		
FC-8	(Water Right Upper Left Fork Fish	**Inactive; initiate when mining T16N R8E Secs 18, 19 or 20**				field[5]		~~field~~	field		field		
Springs													
SBC-4	(Big Bear Springs)[4]	**Active**		oper		oper.		~~oper.~~	oper.		oper.		
SBC-5	(Birch Spring)[4]	**Active**		oper		oper.		~~oper.~~	oper.		oper.		
SBC-9a	(Hiawatha Seam)	**Active**		oper		oper.		~~oper.~~	oper.		oper.		
SBC-12	(16-7-13-1)	**Inactive; initiate when mining begins in Mohrland**				field[5]		~~field~~	field		field		
SBC-14	(WHR-6)	**Active**				oper.		~~oper.~~	oper.		oper.		
SBC-15	(WHR-5)	**Active**				field[5]		~~field~~	field		field		
SBC-16	(WHR-4)[6,7]	**Active**				field[5]		~~field~~	field		field		
SBC16A	[7]	**Active**				field[5]		~~field~~	field		field		
SBC-16B	[7]	**Active**				field[5]		~~field~~	field		field		
SBC-17	(16-7-24-4)	**Active**		oper		oper.		~~oper.~~	oper.		oper.		
SBC-18	(WHR-2)[7]	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SBC-20	(16-8-18-4)	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SBC-21	(16-8-18-1)[7]	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SBC-22	(Stockwater Trough)	**Inactive; initiate when active mining in Mine #4 is within 500'**				field[5]		~~field~~	field		field		
~~SBC-23~~	~~(FBC-12)~~					~~field~~[5]		~~field~~	~~field~~		~~field~~		
SCC-1	(16-8-20-1)	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SCC-2	(16-8-18-5)[7]	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SCC-3	(Mohrland Portal)	**Active**				field[5]		~~field~~	field		field		
SCC-5	(16-8-7-3)	**Inactive; initiate when active mining in Mohrland area is within 500 feet**				field[5]		~~field~~	field		field		
SMH-1	(FBC-6)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
SMH-2	(FBC-5)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
SMH-3	(FBC-13)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
SMH-4	(FBC-4)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
SMH-5	(Stockwater Trough)	**Inactive - Initiate if portal accessing U-61048 and U-61049 is opened.**				field[5]		~~field~~	field		field		
Wells													
SBC-3	**(Creek Well)**	**Active**				level[5]		~~level~~	level		level		
SDH-2	(Well Sec. 11, T16S, R7E)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				level[5]		~~level~~	level		level		
SDH-3	(Well Sec. 10, T16S, R7E)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				level[5]		~~level~~	level		level		
MW-114	(Well Sec. 18, T16S, R8E)	**Active**				level[5]		~~level~~	level		level		
MW-117	(Well Sec. 12, T16S, R8E)	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				level[5]		~~level~~	level		level		

Notes:
1. See Tables 7-13 and 7-17 for listing of water quality monitoring parameters.
2. oper. = operational base. = baseline
3. ~~Baseline~~ **Expanded List** parameters taken in August of year 5 prior to each permit renewal.
4. SBC-4 and SBC-5 shall also be tested for oil and grease
5. First sample to be taken in May or June, when Gentry Mountain is accessible.
6. A comment will be made regarding the level of the pond feeding the spring.
7. Weekly monitoring to begin one month prior to mining in area and continue until one month after. Monthly monitoring will then be done for an additional six months.

Table 7-15 Past Monitoring Sites

Site ID	Description	Status
SBC-1	Underground Seep	Dried up early 1988, and monitoring was discontinued.
SBC-2	Portal Well	Dry from 1987. Caved in, lost (2) quarters and relocation in 1991
SBC-6	COP Development Spring	Dried up in 1987, with no flow through 2000. Monitoring discontinued in 2000
In Mine Sources		
SBC-7	Sump #1	Dried up and discontinued in 2000
SBC-8	Sump #2	Dried up and discontinued in 2000
SBC-9	Sump #3	Abandoned in 1999 due to retreat mining and replaced by SBC-13
SBC-10	Sump #4	Flow first measured Dec. 1991. Monitoring initiated Jan. 1992. In July, 1995, retreat mining progressed past this sump, making it inaccessible. Monitoring was discontinued in August 1995. Flows from this area have subsequently flowed through the pillared area and out of the 1st East pillared section.
SBC-11	Hiawatha Seam 1st North	Abandoned in January 2003
SBC-13	1st Pillared Section	Abandoned in April 2002 due to retreat mining and replaced by SBC-9A
SBC-23	**Bear Creek Landslide Spring**	**Abandoned in 2010 due to limited flow from landslide**
Wells		
DH-1A	2nd W. Monitor Well	Abandoned in 2001 due to retreat mining
DH-2	3rd W. Monitor Well	Abandoned in 1999 due to retreat mining
DH-3	1st E. Monitor Well	Abandoned in 1993 due to retreat mining
DH-4	3rd W. Bleeder Monitor Well	Abandoned in 1999 due to retreat mining
MW-116	Gentry Mtn Monitor Well	The side caved in and the well was lost

Table 7-16 Surface Water Sampling

	Baseline Monitoring	Operational Monitorin	Post-mining Monitoring
Type of Sampling Site	Surface Water Bodies	Surface Water Bodies	Surface Water Bodies
Field Measurements and Parameters (Table 7.1-7)	Performed during water level/flow measurements.	Performed during water level/flow measurements.	Performed during water level/flow measurements.
Sample Frequency	Quarterly for lakes, reservoirs and impoundments (water level and quality); monthly flow measurements and quarterly water quality measurements (one sample at low flow and high flow each) for perennial streams. Monthly flow and water quality measurements during period of flow for intermittent streams. Sampling for ephemeral streams determined at pre-design conference.	Quarterly for lakes, reservoirs and impoundments (water level and quality); ~~monthly flow measurements and~~ quarterly flow and semi-annual water quality measurements (one **WQ** sample at low flow and high flow each) for perennial streams. ~~Monthly~~ **Quarterly** flow and water quality measurements during period of flow for intermittent and streams. ~~Sampling for ephemeral streams determined at pre-design.~~	Two per annum for perennial streams (high & low flow); two per annum during snowmelt and rainfall for intermittent streams.
Sampling Duration	Three years (one complete year of data befoe submission of PAP).	Every year until two years after surface reclamation activities have ceased.	Every year until termination of bonding.
Type of Data Collected and Reported	Flow and/or water levels and water quality	Flow and/or water levels and water quality	Flow and/or water levels and water quality per operational parameters.
Comments	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements.
Additional Comments		For every fifth year preceding re-permitting, one sample at low flow and high flow each should be taken for ~~baseline~~ **expanded** water quality parameters. The construction monitoring prgram will be conducted on a site-specific basis in addition to the ~~operational~~	

Table 7-17 Surface Water Quality Parameter List

Field Measurements:

*	-	Water Levels or Flow
*	-	pH
*	-	Specific Conductivity (μmhos/cm)
*	-	Temperature (°C)
*	-	~~Dissolved Oxygen (ppm) (perennial streams only)~~

Laboratory Measurements: (mg/L) (Major, minor ions and trace elements are to be analyzed in dissolved form only.)

#	*	-	^	Total Settleable Solids
#	*	-	^	Total Suspended Solids
	*	-	^	Total Dissolved Solids
	*	-	^	Total Hardness (as $CaCO_3$)
		-		Aluminum (Al)
		-		Arsenic (As)
		-	^	Boron (B)
	*	-	^	Carbonate (CO_3)
	*	-	^	Bicarbonate (HCO_3)
		-		Cadmium (Cd)
	*	-	^	Calcium (Ca)
	*	-	^	Chloride (Cl)
		-		Copper (Cu)
	*	-	^	Iron (Fe) (Total and Dissolved)
		-		Lead (Pb)
	*	-	^	Magnesium (Mg)
	*	-	^	Manganese (Mn) (Total and Dissolved)
		-		Molybdenum (Mo)
		-		Nitrogen, Ammonia (NH_3)
		-		Nitrite (NO_2)
		-		Nitrate (NO_3)
	*	-	^	Potassium (K)
		-		Phosphate (PO_4)
		-	^	Selenium (Se)
	*	-	^	Sodium (Na)
	*	-	^	Specific Conductivity (μmhos/cm)
	*	-	^	Sulfate (SO_4)
		-		Zinc (Zn)
#	*	-	^	Oil and Grease **(if visible sheen)**
	*	-	^	Cation-Anion Balance

Sampling Period:

- Baseline
* Operation, Post-mining
# Construction
^ Expanded List

Edited Tables Final

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Table 7-12 Ground Water Sampling

	Baseline Monitoring	Operational Monitoring	Post-mining Monitoring
Type of Sampling site	Springs, In-Mine Flows, Boreholes, Observation Wells.	Springs, In-Mine Flows, Boreholes, Observation Wells.	Springs, Observation Wells, Mine discharge points.
Field Measurement and Parameters (Table 7.1-7)	Water levels and/or flow and water quality	Water levels and/or flow and water quality	Water levels and/or flow and water quality
Sample Frequency Each site	Quarterly Adequate to describe seasonal variation.	Quarterly samples springs and wells	Quarterly based on potential impact or once per annum (spring sampling at low flow).
	Monthly recommended for more accurate description of seasonal variation	In-mine flows > 5 gpm at initial interception, quarterly after 1st 30 days until diminished.	
		From sumps and/or mine discharge points quarterly or as required by UPDES.	
Sampling Duration	Two years (Prior to mining in the area).	Every year until two years after surface reclamation activities have ceased. Site will be monitored 4 times a year.	Until termination of bonding
Type of Data Collected and Reported	Wells and Boreholes: Water quality, water level or flow logs, collar elevation; ground elevations; screened interval; formation where completed; depth.	Wells and boreholes: Field water quality and Water level or flow	Wells and Boreholes: Water quality, water level or flow.
		Springs: Flow and water quality with one iron & manganese sample taken at low flow.	Springs: Flow, water quality with one sample taken at low flow.
	Springs: Water quality, location, and flow.		Phase I: Whether pollution of surface and subsurface water is occurring, the probability of future occurrence, and estimated cost of abatement.
			Phase II: After revegetation has been established and contributing suspended solids to streamflow or runoff outside the permit area is not excess of the requirements set by UCA 40-10-17(j) of the Act and by R645-301-751.
			Phase III: Until reclamation requirements of the Act and the permit are fully met.
Comments	Springs and seeps should be measured from source at high and low flow periods.	During the year preceding re-permitting. Spring, one water quality sample at low flow for expanded parameters. Other sites, one sample for expanded parameters.	

Table 7-13 Ground Water Quality Parameter List

Operation, Post Mining	Baseline	Expanded	Parameter	
Field Measurements:				
*	-		Water Levels or Flow	
*	-		pH	
*	-		Specific Conductivity (µmhos/cm)	
*	-		Temperature (°C)	
Laboratory Measurements: (mg/L) (Major, minor ions and trace elements are to be analyzed in dissolved form only.)				
	-	^	Total Dissolved Solids	
	-	^	Total Hardness (as $CaCO_3$)	
	-		Aluminum (Al)	
	-		Carbonate (CO_3)	
	-	^	Cation-Anion Balance	
	-	^	Boron (B)	
	-	^	Bicarbonate (HCO_3)	
	-		Cadmium (Cd)	
	-	^	Calcium (Ca)	
	-	^	Chloride (Cl)	
	-		Copper (Cu)	
*	-	^	Iron (Fe)	(Total and Dissolved)
†	-		Lead (Pb)	
	-	^	Magnesium (Mg)	
*	-	^	Manganese (Mn)	(Total and Dissolved)
	-		Molybdenum (Mo)	
	-		Nitrogen, Ammonia (NH_3)	
	-		Nitrite (NO_2)	
	-		Nitrate (NO_3)	
	-		Potassium (K)	
	-		Phosphate (PO_4)	
	-	^	Selenium (Se)	
	-	^	Sodium (Na)	
	-	^	Specific Conductivity (µmhos/cm)	
	-	^	Sulfate (SO_4)	
	-		Zinc (Zn)	

Sampling Period:

- Baseline
- * Operation, Post-mining
- ^ **Expanded List acquired in the year preceding renewal**
- † Quarterly for sites SBC-9A and SBC-4

Table 7-14 Water Monitoring Matrix: Operational Phase of Mining

Location		Status	Jan	Feb	Mar	May	June	July	Aug[3]	Sept	Oct	Nov	Dec
Streams													
BC-1	(Upper Bear Creek)	Active		oper		oper.			oper.		oper.		
BC-2	(Lower Bear Creek)	Active		oper		oper.			oper.		oper.		
BC-3	(Lower Rt Fork Bear Creek)	Active		oper		oper.			oper.		oper.		
BC-4	(Upper Rt Fork Bear Creek)	Active		oper		oper.			oper.		oper.		
CK-1	(Upper Cedar Creek)	Active		oper		oper.			oper.		oper.		
CK-2	(Lower Cedar Creek)	Active		oper		oper.			oper.		oper.		
MH-1	(Lower McCadden Hollow Creek)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
MH-2	(Upper McCadden Hollow Creek)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
FC-1	(Lower Left Fork Fish Creek)[7]	Active				field[5]			field		field		
FC-2	(Lower Right Fork Fish Creek)[7]	Inactive; initiate when mining T16N R8E Secs 20 or 17				field[5]			field		field		
FC-3	(Right Fork Fish Creek Property Line)[7]	Inactive; initiate when mining T16N R8E Secs 17 or 18				field[5]			field		field		
FC-4	(Upper Right Fork Fish Creek)[7]	Inactive; initiate when mining T16N R8E Secs 7 or 18				field[5]			field		field		
FC-5	(Mud Spring)[7]	Inactive; initiate when mining T16N R8E Sec 7				field[5]			field		field		
FC-6	(Upper Left Fork Fish Creek)[7]	Inactive; initiate when mining T16N R8E Secs 18, 19 or 20				field[5]			field		field		
FC-7	(Water Right Upper Left Fork Fish Creek)	Inactive; initiate when mining T16N R8E Secs 18, 19 or 20				field[5]			field		field		
FC-8	(Water Right Upper Left Fork Fish Creek)	Inactive; initiate when mining T16N R8E Secs 18, 19 or 20				field[5]			field		field		
Springs													
SBC-4	(Big Bear Springs)[4]	Active		oper		oper.			oper.		oper.		
SBC-5	(Birch Spring)[4]	Active		oper		oper.			oper.		oper.		
SBC-9a	(Hiawatha Seam)	Active		oper		oper.			oper.		oper.		
SBC-12	(16-7-13-1)	Inactive; initiate when mining begins in Mohrland				field[5]			field		field		
SBC-14	(WHR-6)	Active				oper.			oper.		oper.		
SBC-15	(WHR-5)	Active				field[5]			field		field		
SBC-16	(WHR-4)[6,7]	Active				field[5]			field		field		
SBC16A	[7]	Active				field[5]			field		field		
SBC-16B	[7]	Active				field[5]			field		field		
SBC-17	(16-7-24-4)	Active		oper		oper.			oper.		oper.		
SBC-18	(WHR-2)[7]	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SBC-20	(16-8-18-4)	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SBC-21	(16-8-18-1)[7]	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SBC-22	(Stockwater Trough)	Inactive; initiate when active mining in Mine #4 is within 500'				field[5]			field		field		
SCC-1	(16-8-20-1)	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SCC-2	(16-8-18-5)[7]	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SCC-3	(Mohrland Portal)	Active				field[5]			field		field		
SCC-5	(16-8-7-3)	Inactive; initiate when active mining in Mohrland area is within 500 feet				field[5]			field		field		
SMH-1	(FBC-6)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
SMH-2	(FBC-5)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
SMH-3	(FBC-13)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
SMH-4	(FBC-4)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
SMH-5	(Stockwater Trough)	Inactive - Initiate if portal accessing U-61048 and U-61049 is opened.				field[5]			field		field		
Wells													
SBC-3	(Creek Well)	Active				level[5]			level		level		
SDH-2	(Well Sec. 11, T16S, R7E)	Inactive - Initiate if mining in Lease U-46481 or U-024316				level[5]			level		level		
SDH-3	(Well Sec. 10, T16S, R7E)	Inactive - Initiate if mining in Lease U-46481 or U-024316				level[5]			level		level		
MW-114	(Well Sec. 18, T16S, R8E)	Active				level[5]			level		level		
MW-117	(Well Sec. 12, T16S, R8E)	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				level[5]			level		level		

Notes:
1. See Tables 7-13 and 7-17 for listing of water quality monitoring parameters.
2. oper. = operational base. = baseline
3. Expanded List parameters taken in August of year 5 prior to each permit renewal.
4. SBC-4 and SBC-5 shall also be tested for oil and grease
5. First sample to be taken in May or June, when Gentry Mountain is accessible.
6. A comment will be made regarding the level of the pond feeding the spring.
7. Weekly monitoring to begin one month prior to mining in area and continue until one month after. Monthly monitoring will then be done for an additional six months.

Table 7-15 Past Monitoring Sites

Site ID	Description	Status
SBC-1	Underground Seep	Dried up early 1988, and monitoring was discontinued.
SBC-2	Portal Well	Dry from 1987. Caved in, lost (2) quarters and relocation in 1991
SBC-6	COP Development Spring	Dried up in 1987, with no flow through 2000. Monitoring discontinued in 2000
In Mine Sources		
SBC-7	Sump #1	Dried up and discontinued in 2000
SBC-8	Sump #2	Dried up and discontinued in 2000
SBC-9	Sump #3	Abandoned in 1999 due to retreat mining and replaced by SBC-13
SBC-10	Sump #4	Flow first measured Dec. 1991. Monitoring initiated Jan. 1992. In July, 1995, retreat mining progressed past this sump, making it inaccessible. Monitoring was discontinued in August 1995. Flows from this area have subsequently flowed through the pillared area and out of the 1st East pillared section.
SBC-11	Hiawatha Seam 1st North	Abandoned in January 2003
SBC-13	1st Pillared Section	Abandoned in April 2002 due to retreat mining and replaced by SBC-9A
SBC-23	Bear Creek Landslide Spring	Abandoned in 2010 due to limited flow from landslide
Wells		
DH-1A	2nd W. Monitor Well	Abandoned in 2001 due to retreat mining
DH-2	3rd W. Monitor Well	Abandoned in 1999 due to retreat mining
DH-3	1st E. Monitor Well	Abandoned in 1993 due to retreat mining
DH-4	3rd W. Bleeder Monitor Well	Abandoned in 1999 due to retreat mining
MW-116	Gentry Mtn Monitor Well	The side caved in and the well was lost

Table 7-16 Surface Water Sampling

	Baseline Monitoring	Operational Monitoring	Post-mining Monitoring
Type of Sampling Site	Surface Water Bodies	Surface Water Bodies	Surface Water Bodies
Field Measurements and Parameters (Table 7.1-7)	Performed during water level/flow measurements.	Performed during water level/flow measurements.	Performed during water level/flow measurements.
Sample Frequency	Quarterly for lakes, reservoirs and impoundments (water level and quality); monthly flow measurements and quarterly water quality measurements (one sample at low flow and high flow each) for perennial streams. Monthly flow and water quality measurements during period of flow for intermittent streams. Sampling for ephemeral streams determined at pre-design conference.	Quarterly for lakes, reservoirs and impoundments (water level and quality); quarterly flow and semi-annual water quality measurements (one WQ sample at low flow and high flow each) for perennial streams. Quarterly flow and water quality measurements during period of flow for intermittent and streams.	Two per annum for perennial streams (high & low flow); two per annum during snowmelt and rainfall for intermittent streams.
Sampling Duration	Three years (one complete year of data befoe submission of PAP).	Every year until two years after surface reclamation activities have ceased.	Every year until termination of bonding.
Type of Data Collected and Reported	Flow and/or water levels and water quality	Flow and/or water levels and water quality	Flow and/or water levels and water quality per operational parameters.
Comments	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements.
Additional Comments		For every fifth year preceding re-permitting, one sample at low flow and high flow each should be taken fr expanded water quality parameters. The construction monitoring prgram will be conducted on a site-specific basis in addition to the operational monitoring.	

Table 7-17 Surface Water Quality Parameter List

Field Measurements:

*	-	Water Levels or Flow
*	-	pH
*	-	Specific Conductivity (μmhos/cm)
*	-	Temperature (°C)

Laboratory Measurements: (mg/L) (Major, minor ions and trace elements are to be analyzed in dissolved form only.)

#	*	-	^	Total Settleable Solids
#	*	-	^	Total Suspended Solids
	*	-	^	Total Dissolved Solids
		-	^	Total Hardness (as $CaCO_3$)
		-		Aluminum (Al)
		-		Arsenic (As)
		-	^	Boron (B)
		-	^	Carbonate (CO_3)
		-	^	Bicarbonate (HCO_3)
		-		Cadmium (Cd)
		-	^	Calcium (Ca)
		-	^	Chloride (Cl)
		-		Copper (Cu)
	*	-	^	Iron (Fe) (Total and Dissolved)
		-		Lead (Pb)
		-	^	Magnesium (Mg)
	*	-	^	Manganese (Mn) (Total and Dissolved)
		-		Molybdenum (Mo)
		-		Nitrogen, Ammonia (NH_3)
		-		Nitrite (NO_2)
		-		Nitrate (NO_3)
		-	^	Potassium (K)
		-		Phosphate (PO_4)
		-	^	Selenium (Se)
		-	^	Sodium (Na)
		-	^	Specific Conductivity (μmhos/cm)
		-	^	Sulfate (SO_4)
		-		Zinc (Zn)
#	*	-	^	Oil and Grease (if visible sheen)
		-	^	Cation-Anion Balance

Sampling Period:

- Baseline
* Operation, Post-mining
# Construction
^ Expanded List

Copy 1

APPLICATION FOR COAL PERMIT PROCESSING

Permit Change ☒ New Permit ☐ Renewal ☐ Exploration ☐ Bond Release ☐ Transfer ☐

Permittee: CW Mining Company d/b/a Co-Op Mining Company, Kenneth A Rushton
Mine: Bear Canyon Mine **Permit Number:** C/015/0025
Title: U.S. Bankruptcy Trustee

Description, Include reason for application and timing required to implement:
Water Monitoring Amendment

Instructions: If you answer yes to any of the first eight questions, this application may require Public Notice publication.

☐ Yes ☒ No 1. Change in the size of the Permit Area? Acres: _____ Disturbed Area: _____ ☐ increase ☐ decrease.
☐ Yes ☒ No 2. Is the application submitted as a result of a Division Order? DO# _____
☐ Yes ☒ No 3. Does the application include operations outside a previously identified Cumulative Hydrologic Impact Area?
☐ Yes ☒ No 4. Does the application include operations in hydrologic basins other than as currently approved?
☐ Yes ☒ No 5. Does the application result from cancellation, reduction or increase of insurance or reclamation bond?
☐ Yes ☒ No 6. Does the application require or include public notice publication?
☐ Yes ☒ No 7. Does the application require or include ownership, control, right-of-entry, or compliance information?
☐ Yes ☒ No 8. Is proposed activity within 100 feet of a public road or cemetery or 300 feet of an occupied dwelling?
☐ Yes ☒ No 9. Is the application submitted as a result of a Violation? NOV # _____
☐ Yes ☒ No 10. Is the application submitted as a result of other laws or regulations or policies?
Explain: _____
☐ Yes ☒ No 11. Does the application affect the surface landowner or change the post mining land use?
☐ Yes ☒ No 12. Does the application require or include underground design or mine sequence and timing? (Modification of R2P2)
☐ Yes ☒ No 13. Does the application require or include collection and reporting of any baseline information?
☐ Yes ☒ No 14. Could the application have any effect on wildlife or vegetation outside the current disturbed area?
☐ Yes ☒ No 15. Does the application require or include soil removal, storage or placement?
☐ Yes ☒ No 16. Does the application require or include vegetation monitoring, removal or revegetation activities?
☐ Yes ☒ No 17. Does the application require or include construction, modification, or removal of surface facilities?
☒ Yes ☐ No 18. Does the application require or include water monitoring, sediment or drainage control measures?
☐ Yes ☒ No 19. Does the application require or include certified designs, maps or calculation?
☐ Yes ☒ No 20. Does the application require or include subsidence control or monitoring?
☐ Yes ☒ No 21. Have reclamation costs for bonding been provided?
☐ Yes ☒ No 22. Does the application involve a perennial stream, a stream buffer zone or discharges to a stream?
☐ Yes ☒ No 23. Does the application affect permits issued by other agencies or permits issued to other entities?
☐ Yes ☒ No 24. Does the application include confidential information and is it clearly marked and separated in the plan?

Please attach three (3) review copies of the application. If the mine is on or adjacent to Forest Service land please submit four (4) copies, thank you. (These numbers include a copy for the Price Field Office)

I hereby certify that I am a responsible official of the applicant and that the information contained in this application is true and correct to the best of my information and belief in all respects with the laws of Utah in reference to commitments, undertakings, and obligations herein.

Kenneth A Rushton — Bankruptcy Trustee — 7/12/2010 — [signature]
Print Name — Position — Date — Signature (Right-click above choose certify then have notary sign below)

Subscribed and sworn to before me this 12th day of July, 2010

Notary Public: Ronald J. Rushton, state of Utah.

My commission Expires: 7-31-11
Commission Number: 570173
Address: 1238 E. 1360 N.
City: Lehi State: UT Zip: 84043

RONALD J RUSHTON
NOTARY PUBLIC • STATE of UTAH
1238 EAST 1360 NORTH
LEHI, UT 84043
COMM. EXP. 07/31/2011

For Office Use Only:	Assigned Tracking Number:	Received by Oil, Gas & Mining

Form DOGM- C1 (Revised December 10, 2007)

APPLICATION FOR COAL PERMIT PROCESSING
Detailed Schedule Of Changes to the Mining And Reclamation Plan

Permittee: CW Mining Company d/b/a Co-Op Mining Company, Kenneth A Rushton
Mine: Bear Canyon Mine **Permit Number:** C/015/0025
Title: U.S. Bankruptcy Trustee

Provide a detailed listing of all changes to the Mining and Reclamation Plan, which is required as a result of this proposed permit application. Individually list all maps and drawings that are added, replaced, or removed from the plan. Include changes to the table of contents, section of the plan, or other information as needed to specifically locate, identify and revise the existing Mining and Reclamation Plan. Include page, section and drawing number as part of the description.

			DESCRIPTION OF MAP, TEXT, OR MATERIAL TO BE CHANGED
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-12, Ground Water Sampling, page 7-51
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-13, Ground Water Quality Parameter List, page 7-52
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-14, Water Monitoring Matrix: Operational Phase of Mining, page 7-53
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-15, Past Monitoring Sites, page 7-54
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-16, Surface Water Sampling, page 7-58
☐ Add	☒ Replace	☐ Remove	Chapter 7, Table 7-17, Surface Water Quality Parameter List, page 7-58
☐ Add	☐ Replace	☐ Remove	
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Any other specific or special instruction required for insertion of this proposal into the Mining and Reclamation Plan.	Received by Oil, Gas & Mining

Table 7-15 Past Monitoring Sites

Site ID	Description	Status
SBC-1	Underground Seep	Dried up early 1988, and monitoring was discontinued.
SBC-2	Portal Well	Dry from 1987. Caved in, lost (2) quarters and relocation in 1991
SBC-6	COP Development Spring	Dried up in 1987, with no flow through 2000. Monitoring discontinued in 2000
In Mine Sources		
SBC-7	Sump #1	Dried up and discontinued in 2000
SBC-8	Sump #2	Dried up and discontinued in 2000
SBC-9	Sump #3	Abandoned in 1999 due to retreat mining and replaced by SBC-13
SBC-10	Sump #4	Flow first measured Dec. 1991. Monitoring initiated Jan. 1992. In July, 1995, retreat mining progressed past this sump, making it inaccessible. Monitoring was discontinued in August 1995. Flows from this area have subsequently flowed through the pillared area and out of the 1st East pillared section.
SBC-11	Hiawatha Seam 1st North	Abandoned in January 2003
SBC-13	1st Pillared Section	Abandoned in April 2002 due to retreat mining and replaced by SBC-9A
SBC-23	**Bear Creek Landslide Spring**	**Abandoned in 2010 due to limited flow from landslide**
Wells		
DH-1A	2nd W. Monitor Well	Abandoned in 2001 due to retreat mining
DH-2	3rd W. Monitor Well	Abandoned in 1999 due to retreat mining
DH-3	1st E. Monitor Well	Abandoned in 1993 due to retreat mining
DH-4	3rd W. Bleeder Monitor Well	Abandoned in 1999 due to retreat mining
MW-116	Gentry Mtn Monitor Well	The side caved in and the well was lost

Table 7-16 Surface Water Sampling

	Baseline Monitoring	Operational Monitorin	Post-mining Monitoring
Type of Sampling Site	Surface Water Bodies	Surface Water Bodies	Surface Water Bodies
Field Measurements and Parameters (Table 7.1-7)	Performed during water level/flow measurements.	Performed during water level/flow measurements.	Performed during water level/flow measurements.
Sample Frequency	Quarterly for lakes, reservoirs and impoundments (water level and quality); monthly flow measurements and quarterly water quality measurements (one sample at low flow and high flow each) for perennial streams. Monthly flow and water quality measurements during period of flow for intermittent streams. Sampling for ephemeral streams determined at pre-design conference.	Quarterly for lakes, reservoirs and impoundments (water level and quality); ~~monthly flow measurements and~~ quarterly flow and semi-annual water quality measurements (one **WQ** sample at low flow and high flow each) for perennial streams. ~~Monthly~~ **Quarterly** flow and water quality measurements during period of flow for intermittent and streams. ~~Sampling for ephemeral streams determined at pre-design.~~	Two per annum for perennial streams (high & low flow); two per annum during snowmelt and rainfall for intermittent streams.
Sampling Duration	Three years (one complete year of data befoe submission of PAP).	Every year until two years after surface reclamation activities have ceased.	Every year until termination of bonding.
Type of Data Collected and Reported	Flow and/or water levels and water quality	Flow and/or water levels and water quality	Flow and/or water levels and water quality per operational parameters.
Comments	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements.
Additional Comments		For every fifth year preceding re-permitting, one sample at low flow and high flow each should be taken for ~~baseline~~ **expanded** water quality parameters. The construction monitoring prgram will be conducted on a site-specific basis in addition to the operational	

Table 7-17 Surface Water Quality Parameter List

Field Measurements:

*	-	Water Levels or Flow
*	-	pH
*	-	Specific Conductivity (μmhos/cm)
*	-	Temperature (°C)
*	-	~~Dissolved Oxygen (ppm) (perennial streams only)~~

Laboratory Measurements: (mg/L) (Major, minor ions and trace elements are to be analyzed in dissolved form only.)

#	*	-	^	Total Settleable Solids
#	*	-	^	Total Suspended Solids
	*	-	^	Total Dissolved Solids
	*	-	^	Total Hardness (as $CaCO_3$)
		-		Aluminum (Al)
		-		Arsenic (As)
		-	^	Boron (B)
	*	-	^	Carbonate (CO_3)
	*	-	^	Bicarbonate (HCO_3)
		-		Cadmium (Cd)
	*	-	^	Calcium (Ca)
	*	-	^	Chloride (Cl)
		-		Copper (Cu)
	*	-	^	Iron (Fe) (Total and Dissolved)
		-		Lead (Pb)
	*	-	^	Magnesium (Mg)
	*	-	^	Manganese (Mn) (Total and Dissolved)
		-		Molybdenum (Mo)
		-		Nitrogen, Ammonia (NH_3)
		-		Nitrite (NO_2)
		-		Nitrate (NO_3)
	*	-	^	Potassium (K)
		-		Phosphate (PO_4)
		-	^	Selenium (Se)
	*	-	^	Sodium (Na)
	*	-	^	Specific Conductivity (μmhos/cm)
	*	-	^	Sulfate (SO_4)
		-		Zinc (Zn)
#	*	-	^	Oil and Grease **(if visible sheen)**
	*	-	^	Cation-Anion Balance

Sampling Period:

- Baseline
- * Operation, Post-mining
- # Construction
- ^ Expanded List

Table 7-12 Ground Water Sampling

	Baseline Monitoring	Operational Monitoring	Post-mining Monitoring
Type of Sampling site	Springs, In-Mine Flows, Boreholes, Observation Wells.	Springs, In-Mine Flows, Boreholes, Observation Wells.	Springs, Observation Wells, Mine discharge points.
Field Measurement and Parameters (Table 7.1-7)	Water levels and/or flow and water quality	Water levels and/or flow and water quality	Water levels and/or flow and water quality
Sample Frequency Each site	Quarterly Adequate to describe seasonal variation.	Quarterly samples springs and wells	Quarterly based on potential impact or once per annum (spring sampling at low flow).
	Monthly recommended for more accurate description of seasonal variation	In-mine flows > 5 gpm at initial interception, quarterly after 1st 30 days until diminished.	
		From sumps and/or mine discharge points quarterly or as required by UPDES.	
Sampling Duration	Two years (Prior to mining in the area).	Every year until two years after surface reclamation activities have ceased. Site will be monitored 4 times a year.	Until termination of bonding
Type of Data Collected and Reported	Wells and Boreholes: Water quality, water level or flow logs, collar elevation; ground elevations; screened interval; formation where completed; depth.	Wells and boreholes: Field water quality and Water level or flow	Wells and Boreholes: Water quality, water level or flow.
		Springs: Flow and water quality with one iron & manganese sample taken at low flow.	Springs: Flow, water quality with one sample taken at low flow.
	Springs: Water quality, location, and flow.		Phase I: Whether pollution of surface and subsurface water is occurring, the probability of future occurrence, and estimated cost of abatement.
			Phase II: After revegetation has been established and contributing suspended solids to streamflow or runoff outside the permit area is not excess of the requirements set by UCA 40-10-17(j) of the Act and by R645-301-751.
			Phase III: Until reclamation requirements of the Act and the permit are fully met.
Comments	Springs and seeps should be measured from source at high and low flow periods.	During the year preceding re-permitting. Spring, one water quality sample at low flow for expanded parameters. Other sites, one sample for expanded parameters.	

Table 7-13 Ground Water Quality Parameter List

Operation, Post Mining	Baseline	Expanded	Parameter	
Field Measurements:				
*	-		Water Levels or Flow	
*	-		pH	
*	-		Specific Conductivity (µmhos/cm)	
*	-		Temperature (°C)	

Laboratory Measurements: (mg/L) (Major, minor ions and trace elements are to be analyzed in dissolved form only.)

	-	^	Total Dissolved Solids	
	-	^	Total Hardness (as $CaCO_3$)	
	-		Aluminum (Al)	
	-		Carbonate (CO_3)	
	-	^	Cation-Anion Balance	
	-	^	Boron (B)	
	-	^	Bicarbonate (HCO_3)	
	-		Cadmium (Cd)	
	-	^	Calcium (Ca)	
	-	^	Chloride (Cl)	
	-		Copper (Cu)	
*	-	^	Iron (Fe)	(Total and Dissolved)
†	-		Lead (Pb)	
	-	^	Magnesium (Mg)	
*	-	^	Manganese (Mn)	(Total and Dissolved)
	-		Molybdenum (Mo)	
	-		Nitrogen, Ammonia (NH_3)	
	-		Nitrite (NO_2)	
	-		Nitrate (NO_3)	
	-		Potassium (K)	
	-		Phosphate (PO_4)	
	-	^	Selenium (Se)	
	-	^	Sodium (Na)	
	-	^	Specific Conductivity (µmhos/cm)	
	-	^	Sulfate (SO_4)	
	-		Zinc (Zn)	

Sampling Period:

- Baseline
* Operation, Post-mining
^ **Expanded List acquired in the year preceding renewal**
† Quarterly for sites SBC-9A and SBC-4

Table 7-14 Water Monitoring Matrix: Operational Phase of Mining

Location		Status	Jan	Feb	Mar	May	June	July	Aug[3]	Sept	Oct	Nov	Dec
Streams													
BC-1	(Upper Bear Creek)	Active		oper		oper.			oper.		oper.		
BC-2	(Lower Bear Creek)	Active		oper		oper.			oper.		oper.		
BC-3	(Lower Rt Fork Bear Creek)	Active		oper		oper.			oper.		oper.		
BC-4	(Upper Rt Fork Bear Creek)	Active		oper		oper.			oper.		oper.		
CK-1	(Upper Cedar Creek)	Active		oper		oper.			oper.		oper.		
CK-2	(Lower Cedar Creek)	Active		oper		oper.			oper.		oper.		
MH-1	(Lower McCadden Hollow Creek)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
MH-2	(Upper McCadden Hollow Creek)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
FC-1	(Lower Left Fork Fish Creek)[7]	Active				field[5]			field		field		
FC-2	(Lower Right Fork Fish Creek)[7]	Inactive; initiate when mining T16N R8E Secs 20 or 17				field[5]			field		field		
FC-3	(Right Fork Fish Creek Property Line)[7]	Inactive; initiate when mining T16N R8E Secs 17 or 18				field[5]			field		field		
FC-4	(Upper Right Fork Fish Creek)[7]	Inactive; initiate when mining T16N R8E Secs 7 or 18				field[5]			field		field		
FC-5	(Mud Spring)[7]	Inactive; initiate when mining T16N R8E Sec 7				field[5]			field		field		
FC-6	(Upper Left Fork Fish Creek)[7]	Inactive; initiate when mining T16N R8E Secs 18, 19 or 20				field[5]			field		field		
FC-7	(Water Right Upper Left Fork Fish Creek)	Inactive; initiate when mining T16N R8E Secs 18, 19 or 20				field[5]			field		field		
FC-8	(Water Right Upper Left Fork Fish Creek)	Inactive; initiate when mining T16N R8E Secs 18, 19 or 20				field[5]			field		field		
Springs													
SBC-4	(Big Bear Springs)[4]	Active		oper		oper.			oper.		oper.		
SBC-5	(Birch Spring)[4]	Active		oper		oper.			oper.		oper.		
SBC-9a	(Hiawatha Seam)	Active		oper		oper.			oper.		oper.		
SBC-12	(16-7-13-1)	Inactive; initiate when mining begins in Mohrland				field[5]			field		field		
SBC-14	(WHR-6)	Active				oper.			oper.		oper.		
SBC-15	(WHR-5)	Active				field[5]			field		field		
SBC-16	(WHR-4)[6,7]	Active				field[5]			field		field		
SBC16A	[7]	Active				field[5]			field		field		
SBC-16B	[7]	Active				field[5]			field		field		
SBC-17	(16-7-24-4)	Active		oper		oper.			oper.		oper.		
SBC-18	(WHR-2)[7]	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SBC-20	(16-8-18-4)	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SBC-21	(16-8-18-1)[7]	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SBC-22	(Stockwater Trough)	Inactive; initiate when active mining in Mine #4 is within 500'				field[5]			field		field		
SCC-1	(16-8-20-1)	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SCC-2	(16-8-18-5)[7]	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				field[5]			field		field		
SCC-3	(Mohrland Portal)	Active				field[5]			field		field		
SCC-5	(16-8-7-3)	Inactive; initiate when active mining in Mohrland area is within 500 feet				field[5]			field		field		
SMH-1	(FBC-6)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
SMH-2	(FBC-5)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
SMH-3	(FBC-13)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
SMH-4	(FBC-4)	Inactive - Initiate if mining in Lease U-46481 or U-024316				field[5]			field		field		
SMH-5	(Stockwater Trough)	Inactive - Initiate if portal accessing U-61048 and U-61049 is opened.				field[5]			field		field		
Wells													
SBC-3	(Creek Well)	Active				level[5]			level		level		
SDH-2	(Well Sec. 11, T16S, R7E)	Inactive - Initiate if mining in Lease U-46481 or U-024316				level[5]			level		level		
SDH-3	(Well Sec. 10, T16S, R7E)	Inactive - Initiate if mining in Lease U-46481 or U-024316				level[5]			level		level		
MW-114	(Well Sec. 18, T16S, R8E)	Active				level[5]			level		level		
MW-117	(Well Sec. 12, T16S, R8E)	Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'				level[5]			level		level		

Notes:
1. See Tables 7-13 and 7-17 for listing of water quality monitoring parameters.
2. oper. = operational base. = baseline
3. Expanded List parameters taken in August of year 5 prior to each permit renewal.
4. SBC-4 and SBC-5 shall also be tested for oil and grease
5. First sample to be taken in May or June, when Gentry Mountain is accessible.
6. A comment will be made regarding the level of the pond feeding the spring.
7. Weekly monitoring to begin one month prior to mining in area and continue until one month after. Monthly monitoring will then be done for an additional six months.

Table 7-15 Past Monitoring Sites

Site ID	Description	Status
SBC-1	Underground Seep	Dried up early 1988, and monitoring was discontinued.
SBC-2	Portal Well	Dry from 1987. Caved in, lost (2) quarters and relocation in 1991
SBC-6	COP Development Spring	Dried up in 1987, with no flow through 2000. Monitoring discontinued in 2000
In Mine Sources		
SBC-7	Sump #1	Dried up and discontinued in 2000
SBC-8	Sump #2	Dried up and discontinued in 2000
SBC-9	Sump #3	Abandoned in 1999 due to retreat mining and replaced by SBC-13
SBC-10	Sump #4	Flow first measured Dec. 1991. Monitoring initiated Jan. 1992. In July, 1995, retreat mining progressed past this sump, making it inaccessible. Monitoring was discontinued in August 1995. Flows from this area have subsequently flowed through the pillared area and out of the 1st East pillared section.
SBC-11	Hiawatha Seam 1st North	Abandoned in January 2003
SBC-13	1st Pillared Section	Abandoned in April 2002 due to retreat mining and replaced by SBC-9A
SBC-23	Bear Creek Landslide Spring	Abandoned in 2010 due to limited flow from landslide
Wells		
DH-1A	2nd W. Monitor Well	Abandoned in 2001 due to retreat mining
DH-2	3rd W. Monitor Well	Abandoned in 1999 due to retreat mining
DH-3	1st E. Monitor Well	Abandoned in 1993 due to retreat mining
DH-4	3rd W. Bleeder Monitor Well	Abandoned in 1999 due to retreat mining
MW-116	Gentry Mtn Monitor Well	The side caved in and the well was lost

Table 7-16 Surface Water Sampling

	Baseline Monitoring	Operational Monitoring	Post-mining Monitoring
Type of Sampling Site	Surface Water Bodies	Surface Water Bodies	Surface Water Bodies
Field Measurements and Parameters (Table 7.1-7)	Performed during water level/flow measurements.	Performed during water level/flow measurements.	Performed during water level/flow measurements.
Sample Frequency	Quarterly for lakes, reservoirs and impoundments (water level and quality); monthly flow measurements and quarterly water quality measurements (one sample at low flow and high flow each) for perennial streams. Monthly flow and water quality measurements during period of flow for intermittent streams. Sampling for ephemeral streams determined at pre-design conference.	Quarterly for lakes, reservoirs and impoundments (water level and quality); quarterly flow and semi-annual water quality measurements (one WQ sample at low flow and high flow each) for perennial streams. Quarterly flow and water quality measurements during period of flow for intermittent and streams.	Two per annum for perennial streams (high & low flow); two per annum during snowmelt and rainfall for intermittent streams.
Sampling Duration	Three years (one complete year of data befoe submission of PAP).	Every year until two years after surface reclamation activities have ceased.	Every year until termination of bonding.
Type of Data Collected and Reported	Flow and/or water levels and water quality	Flow and/or water levels and water quality	Flow and/or water levels and water quality per operational parameters.
Comments	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements.	All field measurements should be performed concurrently with water level/flow measurements.
Additional Comments		For every fifth year preceding re-permitting, one sample at low flow and high flow each should be taken fr expanded water quality parameters. The construction monitoring prgram will be conducted on a site-specific basis in addition to the operational monitoring.	

Table 7-17 Surface Water Quality Parameter List

Field Measurements:

*	-	Water Levels or Flow
*	-	pH
*	-	Specific Conductivity (μmhos/cm)
*	-	Temperature (°C)

Laboratory Measurements: (mg/L) (Major, minor ions and trace elements are to be analyzed in dissolved form only.)

#	*	-	^	Total Settleable Solids
#	*	-	^	Total Suspended Solids
	*	-	^	Total Dissolved Solids
		-	^	Total Hardness (as $CaCO_3$)
		-		Aluminum (Al)
		-		Arsenic (As)
		-	^	Boron (B)
		-	^	Carbonate (CO_3)
		-	^	Bicarbonate (HCO_3)
		-		Cadmium (Cd)
		-	^	Calcium (Ca)
		-	^	Chloride (Cl)
		-		Copper (Cu)
	*	-	^	Iron (Fe) (Total and Dissolved)
		-		Lead (Pb)
		-	^	Magnesium (Mg)
	*	-	^	Manganese (Mn) (Total and Dissolved)
		-		Molybdenum (Mo)
		-		Nitrogen, Ammonia (NH_3)
		-		Nitrite (NO_2)
		-		Nitrate (NO_3)
		-	^	Potassium (K)
		-		Phosphate (PO_4)
		-	^	Selenium (Se)
		-	^	Sodium (Na)
		-	^	Specific Conductivity (μmhos/cm)
		-	^	Sulfate (SO_4)
		-		Zinc (Zn)
#	*	-	^	Oil and Grease (if visible sheen)
		-	^	Cation-Anion Balance

Sampling Period:

- Baseline
* Operation, Post-mining
# Construction
^ Expanded List

Table 7-12 Ground Water Sampling

	Baseline Monitoring	Operational Monitoring	Post-mining Monitoring
Type of Sampling site	Springs, In-Mine Flows, Boreholes, Observation Wells.	Springs, In-Mine Flows, Boreholes, Observation Wells.	Springs, Observation Wells, Mine discharge points.
Field Measurement and Parameters (Table 7.1-7)	Water levels and/or flow and water quality	Water levels and/or flow and water quality	Water levels and/or flow and water quality
Sample Frequency Each site	Quarterly Adequate to describe seasonal variation.	Quarterly samples springs and wells	Quarterly based on potential impact or once per annum (spring sampling at low flow).
	Monthly recommended for more accurate description of seasonal variation	In-mine flows > **5 gpm** at initial interception, quarterly after 1st 30 days until diminished.	
		From sumps and/or mine discharge points quarterly or as required by UPDES.	
Sampling Duration	~~Three~~ **Two** years (Prior to mining in the area).	Every year until two years after surface reclamation activities have ceased. Site will be monitored 4 times a year.	Until termination of bonding
Type of Data Collected and Reported	Wells and Boreholes: Water quality, water level or flow logs, collar elevation; ground elevations; screened interval; formation where completed; depth.	Wells and boreholes: **Field** water quality **and** Water level or flow	Wells and Boreholes: Water quality, water level or flow.
		Springs: Flow and water quality with one **iron & manganese** sample taken at low flow.	Springs: Flow, water quality with one sample taken at low flow.
	Springs: Water quality, location, and flow.		Phase I: Whether pollution of surface and subsurface water is occurring, the probability of future occurrence, and estimated cost of abatement.
			Phase II: After revegetation has been established and contributing suspended solids to streamflow or runoff outside the permit area is not excess of the requirements set by UCA 40-10-17(j) of the Act and by R645-301-751.
			Phase III: Until reclamation requirements of the Act and the permit are fully met.
Comments	Springs and seeps should be measured from source at high and low flow periods.	During the year preceding re-permitting. Spring, one water quality sample at low flow for ~~baseline~~ **expanded** parameters. Other sites, one sample for ~~baseline~~ **expanded** parameters.	

Table 7-13 Ground Water Quality Parameter List

Operation, Post Mining	Baseline	Expanded	Parameter	
Field Measurements:				
*	-		Water Levels or Flow	
*	-		pH	
*	-		Specific Conductivity (µmhos/cm)	
*	-		Temperature (°C)	
Laboratory Measurements: (mg/L) (Major, minor ions and trace elements are to be analyzed in dissolved form only.)				
*	-	^	Total Dissolved Solids	
*	-	^	Total Hardness (as $CaCO_3$)	
	-		Aluminum (Al)	
*	-		Carbonate (CO_3)	
*	-	^	Cation-Anion Balance	
	-	^	Boron (B)	
*	-	^	Bicarbonate (HCO_3)	
	-		Cadmium (Cd)	
*	-	^	Calcium (Ca)	
*	-	^	Chloride (Cl)	
	-		Copper (Cu)	
*	-	^	Iron (Fe)	(Total and Dissolved)
†	-		Lead (Pb)	
*	-	^	Magnesium (Mg)	
*	-	^	Manganese (Mn)	(Total and Dissolved)
	-		Molybdenum (Mo)	
	-		Nitrogen, Ammonia (NH_3)	
	-		Nitrite (NO_2)	
	-		Nitrate (NO_3)	
*	-		Potassium (K)	
	-		Phosphate (PO_4)	
	-	^	Selenium (Se)	
*	-	^	Sodium (Na)	
*	-	^	Specific Conductivity (µmhos/cm)	
*	-	^	Sulfate (SO_4)	
	-		Zinc (Zn)	

Sampling Period:

- Baseline
- * Operation, Post-mining
- ^ **Expanded List acquired in the year preceding renewal**
- † Quarterly for sites SBC-9A and SBC-4

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Table 7-14 Water Monitoring Matrix: Operational Phase of Mining

Location		Status	Jan	Feb	Mar	May	June	July	Aug[3]	Sept	Oct	Nov	Dec
Streams													
BC-1	(Upper Bear Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
BC-2	(Lower Bear Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
BC-3	(Lower Rt Fork Bear Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
BC-4	(Upper Rt Fork Bear Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
CK-1	(Upper Cedar Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
CK-2	(Lower Cedar Creek)	**Active**		oper		oper.	~~field~~	~~oper.~~	oper.	~~field~~	oper.		
MH-1	(Lower McCadden Hollow Creek)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
MH-2	(Upper McCadden Hollow Creek)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
FC-1	(Lower Left Fork Fish Creek)[7]	**Active**				field[5]		~~field~~	field		field		
FC-2	(Lower Right Fork Fish Creek)[7]	**Inactive; initiate when mining T16N R8E Secs 20 or 17**				field[5]		~~field~~	field		field		
FC-3	(Right Fork Fish Creek Property Li	**Inactive; initiate when mining T16N R8E Secs 17 or 18**				field[5]		~~field~~	field		field		
FC-4	(Upper Right Fork Fish Creek)[7]	**Inactive; initiate when mining T16N R8E Secs 7 or 18**				field[5]		~~field~~	field		field		
FC-5	(Mud Spring)[7]	**Inactive; initiate when mining T16N R8E Sec 7**				field[5]		~~field~~	field		field		
FC-6	(Upper Left Fork Fish Creek)[7]	**Inactive; initiate when mining T16N R8E Secs 18, 19 or 20**				field[5]		~~field~~	field		field		
FC-7	(Water Right Upper Left Fork Fish	**Inactive; initiate when mining T16N R8E Secs 18, 19 or 20**				field[5]		~~field~~	field		field		
FC-8	(Water Right Upper Left Fork Fish	**Inactive; initiate when mining T16N R8E Secs 18, 19 or 20**				field[5]		~~field~~	field		field		
Springs													
SBC-4	(Big Bear Springs)[4]	**Active**		oper		oper.		~~oper.~~	oper.		oper.		
SBC-5	(Birch Spring)[4]	**Active**		oper		oper.		~~oper.~~	oper.		oper.		
SBC-9a	(Hiawatha Seam)	**Active**		oper		oper.		~~oper.~~	oper.		oper.		
SBC-12	(16-7-13-1)	**Inactive; initiate when mining begins in Mohrland**				field[5]		~~field~~	field		field		
SBC-14	(WHR-6)	**Active**				oper.		~~oper.~~	oper.		oper.		
SBC-15	(WHR-5)	**Active**				field[5]		~~field~~	field		field		
SBC-16	(WHR-4)[6,7]	**Active**				field[5]		~~field~~	field		field		
SBC16A[7]		**Active**				field[5]		~~field~~	field		field		
SBC-16B[7]		**Active**				field[5]		~~field~~	field		field		
SBC-17	(16-7-24-4)	**Active**		oper		oper.		~~oper.~~	oper.		oper.		
SBC-18	(WHR-2)[7]	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SBC-20	(16-8-18-4)	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SBC-21	(16-8-18-1)[7]	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SBC-22	(Stockwater Trough)	**Inactive; initiate when active mining in Mine #4 is within 500'**				field[5]		~~field~~	field		field		
~~SBC-23~~	~~(FBC-12)~~					~~field~~[5]		~~field~~	~~field~~		~~field~~		
SCC-1	(16-8-20-1)	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SCC-2	(16-8-18-5)[7]	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				field[5]		~~field~~	field		field		
SCC-3	(Mohrland Portal)	**Active**				field[5]		~~field~~	field		field		
SCC-5	(16-8-7-3)	**Inactive; initiate when active mining in Mohrland area is within 500 feet**				field[5]		~~field~~	field		field		
SMH-1	(FBC-6)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
SMH-2	(FBC-5)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
SMH-3	(FBC-13)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
SMH-4	(FBC-4)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				field[5]		~~field~~	field		field		
SMH-5	(Stockwater Trough)	**Inactive - Initiate if portal accessing U-61048 and U-61049 is opened.**				field[5]		~~field~~	field		field		
Wells													
SBC-3	**(Creek Well)**	**Active**				level[5]		~~level~~	level		level		
SDH-2	(Well Sec. 11, T16S, R7E)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				level[5]		~~level~~	level		level		
SDH-3	(Well Sec. 10, T16S, R7E)	**Inactive - Initiate if mining in Lease U-46481 or U-024316**				level[5]		~~level~~	level		level		
MW-114	(Well Sec. 18, T16S, R8E)	**Active**				level[5]		~~level~~	level		level		
MW-117	(Well Sec. 12, T16S, R8E)	**Inactive; initiate when active mining in Mine #4 or Mohrland area is within 500'**				level[5]		~~level~~	level		level		

Notes:
1. See Tables 7-13 and 7-17 for listing of water quality monitoring parameters.
2. oper. = operational base. = baseline
3. ~~Baseline~~ **Expanded List** parameters taken in August of year 5 prior to each permit renewal.
4. SBC-4 and SBC-5 shall also be tested for oil and grease
5. First sample to be taken in May or June, when Gentry Mountain is accessible.
6. A comment will be made regarding the level of the pond feeding the spring.
7. Weekly monitoring to begin one month prior to mining in area and continue until one month after. Monthly monitoring will then be done for an additional six months.