

**Table 5-B: City Creek 1
Warm Season Monitoring Results**

DATE	Flow Rate (cfs)	Air Temp °C	Water Temp °C	pH	Dissolved Oxygen	Electrical conductivity	<i>E. coli</i>	Total coliform	<i>E. Coli</i> geo mean
Objective	-	-	varies	6.5-8.5	> 6 mg/L	308(uS/cm)	235 mpn	10000 mpn	126 mpn
7/16/08	5.6	29.2	23.1	8.5		272	2.0	5794	
7/24/08	3.63	26.4	20.4	8.5	8.5	273	6.3	>2419.6	
7/29/08	5.18	23.2	16.0	8.5		276	7.4	>2419.6	
8/6/08	5.20	26.9	21.8	8.5	7.9	285	8.6	2419.6	5.32
8/14/08	3.49	28.8	21.3	8.5	7.9	288	1.0	1986.3	3.81
8/19/08	3.66	23.9	19.6	8.5	7.8	288	3.0	1046.2	4.13
8/25/08	2.81	34.0	25.9	8.7	7.9	285	2.0	>2419.6	3.28
9/5/08	2	29.2	24.7	8.5	7.5	283	2.0	1732.9	2.53
9/11/08	2.06	26.2	22.2	8.6	8.3	281	1.0	1986.3	1.64
9/15/08	3.51	28.0	18.1	8.4	9.0	294	1.0	1732.9	1.64
9/24/08	2.96	34.0	24.0	8.6	8.0	289	<1.0	1203.3	
10/2/08	2.67	32.0	23.7	8.7	8.1	328	4.1	1119.9	1.69
10/8/08	2.43	27.4	20.2	8.5	8.7	296	2.0	>2419.6	1.69
10/18/08	3.61	29.0	18.2	8.5	9.9	291	4.1	>2419.6	
10/20/08	3.64	10.1	13.2	8.3	9.6	294	<1.0	>2419.6	
10/31/08	4.32	17.3	14.7	8.3	9.4	296	42.2	>2419.6	6.14
5/7/09	10.4	22.0	15.7	8.3	8.7	245	42.0	328.2	
5/11/09	9.5	24.8	17.8	8.3	9.2	261	18.7	1119.9	
5/20/09	6.4	14.4	16.0	8.3	9.4	260	30.9	547.5	-
5/26/09	8.9	16.0	16.0	8.4	9.8	263	4.1	344.8	17.76
6/4/09	9.1	19.3	16.3	8.4	9.6	261	9.8	365.4	15.8
6/7/09	10.5	15.9	14.5	8.3	9.8	253	1.0	920.8	7.5
6/16/09	9.7	22.2	17.0	8.4	9.6	255	<1.0	387.3	
6/23/09	7.8	21.7	16.5	8.3	9.3	267	4.1	172.5	3.6
6/29/09	4.8	31.8	19.1	8.2	8.2	265	8.5	280.9	4.3
7/8/09	4.7	22.9	17.5	8.2	9.2	277	5.2	579.4	5.7
7/13/09	3.7	33.0	20.5	8.2	8.9	288	12.0	648.8	6.8
7/21/09	3.9	30.1	21.1	8.1	8.2	340	88.2	>2419.6	11.4
7/28/09	2.5	30.4	21.7	8.2	8.7	300	13.5	2419.6	14.5
8/5/09	2.5	30.0	19.5	8.1	9.0	308	10.9	>2419.6	15.2
8/11/09	3.2	25.0	19.2	8.2	8.5	299	6.2	2419.6	15.7
8/17/09	3.0	26.2	20.1	8.3	9.6	295	36.4	1413.6	19.6
8/26/09	2.7	21.8	18.2	8.1	10.3	303	7.4	2419.6	12.0
9/1/09	2.6	31.6	22.1	8.2	7.9	304	14.6	5794	12.2
9/9/09	2.9	23.5	18.1	8.1	8.7	315	10.8	2481	12.1
9/14/09	3.2	19.8	18.6	8.3	8.6	310	37.3	4352	17.4
9/22/09	2.50	35.6	19.8	8.2	8.6	312	14.8	1299.7	14.5
9/28/09	1.6	30.2	23.4	8.4	8.0	317	1.0	298.7	9.7
10/5/09	3.7	14.2	13.3	8.2	9.9	303	7.4	2419.6	8.5
10/15/09	4.9	25.6	16.5	8.5	9.5	299	2.0	3282	3.8
10/19/09	4.9	20.7	16.8	8.6	9.4	311	3.0	2419.6	3.7
10/26/09	3.6	22.2	16.4	8.4	9.1	321	4.1	2481	2.8

**Table 5-C: City Creek 1
Cool Season Monitoring Results**

DATE	Flow Rate (cfs)	Air Temp °C	Water Temp °C	pH	Dissolved Oxygen	Electrical conductivity	<i>E. coli</i>	Total coliform	<i>E. Coli</i> geo mean
Objective	-	-	< 25.6	6.5-8.5	> 6 mg/L	308 (uS/cm)	235 mpn	10000 mpn	126 mpn
12/4/08	7.18	15.8	10.0	8.4	10.5	296	4.1	1732.9	
12/14/08	7.2	7.2	7.3	8.4	11.6	282	2.0	1046.2	
12/21/08	11.2	14.9	6.0	8.4	11.7	275	3.1	980.4	
12/30/08	20.70	23.0	10.0	8.3	10.8	262	3.1	1553.1	<i>2.98</i>
1/8/09	11.4	12.3	7.6	8.4	11.0	268	3.1	1046.2	<i>2.78</i>
1/17/09	10.5	25.4	10.8	8.4	10.7	276	<1	920.8	
2/5/09	9.8	16.1	8.9	8.4	10.8	266	<1	980.4	
2/11/09	35	10.0	11.9	8.2	10.7	219	4.1	816.4	
2/20/09	54.8	7.7	6.6	8.3	11.3	183	3.1	1203.3	
2/28/09	37.2	25.3	11.7	8.2	10.2	194	<1	816.4	
3/16/09	18.1	19.0	10.8	8.3	10.2	238	<1	1119.9	
11/3/09	4.8	21.6	13.1	8.5	9.7	309	2.0	2419.6	3.3
11/9/09	4.7	16.2	12.3	8.6	10.5	291	1.0	960.6	2.2
11/17/09	5.2	23.7	11.5	8.6	10.2	311			
11/22/09	5.7	16.1	8.9	8.5	10.2	302	4.1	1421	<i>2.4</i>
11/24/09							3.1	1553.1	2.5

Results in red exceed the objective.

Geomeans in ***bold italics*** indicate results made of 4 samples in 30 days.

**Table 5-D: City Creek 1
Warm Season Physical Observations**

Date	d.o.w.	Water Color	Water Clarity	Water Odor	Sediment Color	Sediment Comp.	Sediment Odor
7/16/08	W	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, GRAVEL	NONE
7/24/08	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
7/29/08	T	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
8/6/08	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
8/14/08	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
8/19/08	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
8/25/08	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
9/5/08	F	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
9/11/08	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
9/15/08	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
9/24/08	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
10/2/08	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
10/8/08	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
10/18/08	SAT	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
10/20/08	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
10/31/08	F	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
5/7/09	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
5/11/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
5/20/09	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
5/26/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
6/4/09	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
6/7/09	Sun	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
6/16/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
6/23/09	T	CLEAR	CLEAR	NONE	gray	COURSE SAND COBBLE	NONE
6/29/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
7/8/09	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
7/13/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
7/21/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
7/28/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
8/5/09	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
8/11/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
8/17/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND COBBLE	NONE
8/26/09	W	CLEAR	CLEAR	NONE	BROWN GRAY	COURSE SAND COBBLE	NONE
9/1/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
9/9/09	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
9/14/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
9/22/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
9/28/09	M	CLEAR	CLEAR	NONE	BROWN	COURSE SAND/COBBLE	NONE
10/15/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
10/19/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
10/26/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE

**Table 5-E: City Creek 1
Cool Season Physical Observations**

Date	d.o.w.	Water Color	Water Clarity	Water Odor	Sediment Color	Sediment Comp.	Sediment Odor
12/4/08	R	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
12/14/08	Sun	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
12/21/08	Sun	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
12/30/08	T	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
1/8/09	R	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
1/17/09	SAT	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
1/27/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
2/5/09	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
2/11/09	W	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
2/20/09	F	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
2/28/09	SAT	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
3/16/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
11/3/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
11/9/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
11/17/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
11/22/09	Sun	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE

**Table 5-F: City Creek 1
Contract Lab Results**

	12/21 /08	1/27 /09	2/5 /09	5/11 /09	6/16 /09	7/28 /09	9/9 /09	10/15/0 9	11/17/0 9	Objective	Unit
<i>Cations</i>											
Total Hardness	89	90	100	88	92	97	110	120	110	115	mg/L
Calcium	27	27	31	27	28	30	33	36	34	-	mg/L
Magnesium	5.2	5.4	5.7	5.0	5.0	5.4	6.5	6.2	6.2	-	mg/L
Sodium	17	17	18	16	17	19	23	22	22	30	mg/L
Potassium	1.3	1.4	1.5	1.2	1.0	1.2	1.4	2.3	1.4	-	mg/L
<i>Anions</i>											
Chloride	10	9.5	8.7	7.9	7.5	8.8	9.5	11	11	10	mg/L
Sulfate	9.3	8.3	8.9	6.6	5.4	-	8.5	8.3	8.1	20	mg/L
Nitrate as N	0.50	0.2	0.16	0.14	ND	ND	ND	ND	ND	-	mg/L
<i>Aggregate Properties</i>											
Sp. Conductance	270	270	270	280	270	300	320	310	320	308	uS/cm
<i>Solids</i>											
TDS	150	180	190	160	180	190	200	160	190	200	mg/L
<i>Aggregate Organic Compounds</i>											
COD	14	12	10	10	12	7.5	ND	ND	ND	5	mg/L
<i>Nutrients</i>											
Nitrite as N	0.050	ND	0.050	0.060	0.060	0.060	0.060	0.060	0.060	-	mg/L
Ammonia-nitrogen	ND	ND	ND	ND	ND	0.083	0.085	0.076	ND	0.098	mg/L
Kjeldahl-nitrogen	0.089	0.17	0.084	0.21	0.24	0.22	0.20	0.36	0.10	-	mg/L
Ortho-phosphate phosphorus	0.010	ND	ND	0.0060	ND	0.0070	ND	0.0060	0.0040	-	mg/L
Total phosphorus	ND	ND	ND	0.02	0.01	-	0.36	ND	0.02	-	mg/L
Total inorganic nitrogen	0.55	0.20	0.21	0.20	0.06	0.14	0.15	0.14	0.06	1	mg/L
Total organic nitrogen	0.1	0.2	0.1	0.2	0.2	0.1	0.1	0.3	0.1	1	mg/L
Total nitrogen	0.6	0.4	0.3	0.4	0.3	0.3	0.3	0.4	0.2	-	mg/L

**Table 5-F: City Creek 1
Contract Lab Results Continued**

	12/21 /2008	1/27 /2009	2/5 /2009	5/11 /2009	6/16 /2009	7/28 /2009	9/9 /2009	10/15 /2009	11/17 /2009	Objective	Unit
<i>Metals and Metalloids</i>											
Antimony	ND	ND	ND	ND	ND	ND	ND	ND	ND	14	ug/L
Arsenic	ND	ND	ND	ND	ND	ND	ND	ND	ND	150/340	ug/L
Beryllium	ND	ND	ND	ND	ND	ND	ND	ND	ND	4	ug/L
Cadmium	ND	ND	ND	ND	ND	ND	ND	ND	ND	5	ug/L
Copper	ND	ND	ND	ND	ND	ND	ND	ND	ND	1300	ug/L
Lead	ND	ND	ND	0.11	ND	ND	0.23	ND	ND	15	ug/L
Mercury	ND	ND	ND	ND	ND	ND	ND	ND	ND	2	ug/L
Nickel	ND	ND	ND	ND	ND	ND	ND	ND	ND	610	ug/L
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	5/20	ug/L
Silver	ND	ND	ND	ND	ND	ND	ND	ND	ND	100	ug/L
Thallium	ND	ND	ND	ND	ND	ND	ND	ND	ND	1.7	ug/L
Zinc	ND	ND	1.4	4.7	6.6	4	1.4	33	2.4	5000	ug/L
<i>Organochlorine Pesticides and PCBs by EPA 608</i>											
Pesticides & PCBs	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND	{4,4'- DDE= 0.004} and {4,4'- DDT= 0.037}	ALL ND	0.00059 {DDE & DDT}	ug/L

**Table 6-B: City Creek 2
Warm Season Monitoring Results**

DATE	Flow Rate (cfs)	Air Temp °C	Water Temp °C	pH	Dissolved Oxygen	Electrical conductivity	<i>E. coli</i>	Total coliform	<i>E. Coli</i> geo mean
Objective	-	-	varies	6.5-8.5	> 6 mg/L	308 (uS/cm)	235 mpn	10000 mpn	126 mpn
7/16/08	4.24	31.9	28.9	8.9		319	12.2	12997	
7/24/08	1.37	33.1	27.2	9.0	7.9	319	6.3	>2419.6	
7/29/08	1.5	28.2	26.1	9.1	8.2	331	12.1	>2419.6	
8/6/08	1.69	34.0	30.0	9.0	7.4	346	387.3	>2419.6	24.50
8/14/08	1.34	31.8	27.4	9.1	8.1	338	35	>2419.6	26.31
8/19/08	2.09	30.1	26.6	9.1	7.7	334	19.9	>2419.6	29.01
8/25/08	4.72	37.4	29.0	9.0	8.0	336	18.3	>2419.6	35.91
9/5/08	7.45	32.1	25.9	8.8	7.8	473	14.8	>2419.6	37.39
9/11/08	5.66	26.0	24.1	8.8	8.1	466	14.5	>2419.6	19.38
9/15/08	2.83	35.4	25.3	9.3	9.7	428	7.4	>2419.6	14.20
9/24/08	4.45	34.7	28.4	9.4	8.9	441	7.3	>2419.6	11.62
10/2/08	5.55	31.0	27.3	9.6	9.0	521	3.1	>2419.6	8.15
10/8/08	7.73	32.3	24.0	9.1	8.2	472	14.6	>2419.6	8.13
10/18/08	3.93	29.3	24.7	9.7	10.4	409	6.3	>2419.6	6.75
10/20/08	4.76	19.3	16.1	8.9	10.9	431	15.8	>2419.6	8.01
10/31/08	3.72	21.6	17.1	8.6	10.0	432	23.5	>2419.6	10.11
5/7/09	8.5	31.5	19.6	8.5	9.4	274	38.8	1119.9	
5/11/09	5.4	28.2	22.5	8.8	10.0	296	67.7	12997	
5/20/09	4.8	22.0	17.0	8.4	9.9	270	108.6	>2419.6	
5/26/09	6.4	20.3	18.8	8.9	10.6	273	146.7	>2419.6	80.43
6/4/09	6.4	21.0	19.1	9.0	10.2	275	62	>2419.6	76.4
6/7/09	4.4	22.8	17.4	8.8	10.5	274	127.4	>2419.6	96.8
6/16/09	6.6	25.7	22.9	9.0	9.7	275	29.9	2419.6	82.2
6/23/09	4.9	27.8	21.5	8.7		281	365.4	>2419.6	104.8
6/29/09	2.6	38.0	23.9	8.8	10.5	285	85.7	>2419.6	94.1
7/8/09	2.0	29.4	24.5	8.7	9.2	441	185	>2419.6	114.7
7/13/09	0.0	34.4	31.1	9.1	11.7	409	107.6	77010	113.3
7/21/09	0.0	33.5							
7/28/09	1.4	36.7	29.5	9.0	9.3	462	770.1	>24196	190.4
8/5/09	0.4	35.3	28.0	8.7	10.8	429	1299.7	11199	375.7
8/11/09	6.9	31.4	24.6	8.1	7.9	447	488.4	86640	478.9
8/17/09	1.2	34.4	28.5	9.2	9.2	389	85.5	6586	452.2
8/26/09	0.6	33.9	23.8	8.5	10.2	394	770.1	81640	503.0
9/1/09	0	39.0							
9/9/09	0	29.8							
9/14/09	0	24.5							
9/22/09	0.50	42.8	26.7	8.9	8.2	433	17.3	19863	
9/28/09	0	34.5							
10/5/09	0.5	19.6	19.6	8.5	10.5	429	62.4	14136	
10/15/09	1.6	31.0	22.0	9.1	12.0	417	56.3	6867	
10/19/09	1	23.1	22.5	9.5	12.7	426	151.5	14136	
10/26/09		29.3	20.0	9.2	11.0	481	35.5	7701	65.9

**Table 6-C: City Creek 2
Cool Season Monitoring Results**

DATE	Flow Rate (cfs)	Air Temp °C	Water Temp °C	pH	Dissolved Oxygen	Electrical conductivity	<i>E. coli</i>	Total coliform	<i>E. Coli</i> geo mean
Objective	-	-	< 25.6	6.5-8.5	> 6 mg/L	308 (uS/cm)	235 mpn	10000 mpn	126 mpn
12/4/08	6.28	16.6	14.5	8.7	10.6	408	204.6	2419.6	
12/14/08	7.1	10.1	10.6	8.8	11.4	328	7.5	>2419.6	
12/21/08	11.8	15.9	10.0	8.6	11.7	329	7.3	1732.9	
12/30/08	12.00	20.7	13.4	8.4	10.4	307	3	2419.6	13.54
1/8/09	11.2	23.1	11.7	8.5		286	3.1	1986.3	4.75
1/17/09	9.9	20.8	15.0	8.8	11.1	306	<1	1986.3	
2/5/09	6.1	18.7	12.5	9.0	10.9	296	1	2419.6	
2/11/09	10		12.6	8.4	9.9	239	1	1553.1	
2/20/09	51.3	16.0	9.8	8.4	11.3	214	1	1986.3	
2/28/09	30.4	27.8	15.0	8.5	10.2	240	<1	920.8	
3/16/09	17.4	26.0	15.2	8.5	9.4	277	3	1299.7	
11/3/09	0.8	34.3	21.4	9.3	14.6	422	9.8	3448	19.5
11/9/09	2.3	30.9	17.6	8.9	11.1	406	9.6	5475	19.5
11/17/09	1.4	28.3	17.3	8.9	9.8	413			
11/22/09	5.6	20.7	14.3	8.7	10.3	428	79.4	4106	27.8
11/24/09							88.4	24196	35.0

**Table 6-D: City Creek 2
Warm Season Physical Observations**

Date	d.o.w.	Water Color	Water Clarity	Water Odor	Sediment Color	Sediment Comp.	Sediment Odor
7/16/08	W	CLEAR	SEMI-CLEAR	NONE	GRAY	COURSE SAND, GRAVEL	NONE
7/24/08	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	MIXED
7/29/08	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
8/6/08	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
8/14/08	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
8/19/08	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
8/25/08	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
9/5/08	F	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
9/12/08	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
9/15/08	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
9/24/08	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
10/2/08	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
10/8/08	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
10/18/08	SAT	CLEAR	CLEAR	PETROLEUM	GRAY	COURSE SAND, COBBLE	NONE
10/20/08	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
10/31/08	F	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
5/7/09	R	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
5/11/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
5/20/09	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
5/26/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
6/4/09	R	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
6/7/09	Sun	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
6/16/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
6/23/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
6/29/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
7/8/09	W	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
7/13/09	M	CLEAR	CLEAR	MIXED	GRAY	COURSE SAND, COBBLE	NONE
7/21/09	T	DRY					
7/28/2009	T	CLEAR	CLEAR	MIXED	GRAY	COURSE SAND, COBBLE	NONE
8/5/2009	W	YELLOW	SEMI-CLEAR	MIXED	BROWN	COURSE SAND, COBBLE	NONE
8/11/2009	T	BROWN	SEMI-CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
8/17/2009	M	CLEAR	CLEAR	MIXED	GRAY	COURSE SAND, COBBLE	NONE
8/26/2009	W	CLEAR	CLEAR	MIXED	GRAY	COURSE SAND, COBBLE	NONE
9/1/09	T	DRY					
9/9/09	W	DRY					
9/14/09	M	DRY					
9/22/09	T	CLEAR	CLEAR	MIXED	GRAY	COURSE SAND/COBBLE	NONE
9/28/09	M	DRY					
10/15/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
10/19/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
10/26/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE

**Table 6-E: City Creek 2
Cool Season Physical Observations**

Date	d.o.w.	Water Color	Water Clarity	Water Odor	Sediment Color	Sediment Comp.	Sediment Odor
12/4/08	R	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
12/14/08	Sun	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
12/21/08	Sun	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
12/30/08	T	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
1/8/09	R	CLEAR	CLEAR	-	BROWN	COURSE SAND, COBBLE	-
1/17/09	Sat	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
1/27/09	T	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
2/5/09	R	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
2/11/09	W	CLEAR	CLEAR	NONE	GRAY	silt/clay	NONE
2/20/09	F	CLEAR	CLEAR	NONE	GRAY	COURSE SAND, COBBLE	NONE
2/28/09	Sat	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
3/16/09	M	CLEAR	CLEAR	NONE	BROWN	COURSE SAND, COBBLE	NONE
11/3/09	T	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
11/9/09	M	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE
11/17/09	T	CLEAR	CLEAR	MIXED	GRAY	COURSE SAND/COBBLE	NONE
11/22/09	Sun	CLEAR	CLEAR	NONE	GRAY	COURSE SAND/COBBLE	NONE

**Table 6-F: City Creek 2
Contract Lab Results**

	12/21 /08	1/27 /09	2/5 /09	5/11 /09	6/16 /09	7/28 /09	9/9 /09	10/15/0 9	11/17/ 09	Objective	Unit
<i>Cations</i>											
Total Hardness	100	100	110	89	92	100	dry	120	120	115	mg/L
Calcium	30	29	32	27	28	27		32	32	-	mg/L
Magnesium	6.5	6.5	6.4	5.2	5.6	8.7		9.3	9.1	-	mg/L
Sodium	22	21	20	20	18	43		40	38	30	mg/L
Potassium	1.7	2.1	1.8	5.2	1.6	2.4		2.7	2.4	-	mg/L
<i>Anions</i>											
Chloride	16	12	9.4	8.4	7.8	52		44	36	10	mg/L
Sulfate	18	17	18	15	14	-		24	26	20	mg/L
Nitrate as N	0.41	ND	ND	ND	ND	ND		ND	ND	-	mg/L
<i>Aggregate Properties</i>											
Sp. Conductance	320	290	300	290	270	460		420	420	308	uS/cm
<i>Solids</i>											
TDS	180	190	170	180	160	270		240	240	200	mg/L
<i>Aggregate Organic Compounds</i>											
COD	21	10	12	8.0	17	14		ND	ND	5	mg/L
<i>Nutrients</i>											
Nitrite as N	0.060	ND	0.050	0.050	0.060	0.060		0.060	0.060	-	mg/L
Ammonia-nitrogen	ND	ND	ND	ND	ND	ND		ND	ND	0.098	mg/L
Kjeldahl-nitrogen	0.14	0.21	0.36	0.34	0.16	0.45		0.40	0.35	-	mg/L
Ortho-phosphate phosphorus	0.013	ND	ND	ND	ND	0.019		0.0030	0.018	-	mg/L
Total phosphorus	0.02	ND	ND	0.02	0.02	-		0.02	0.04	-	mg/L
Total inorganic nitrogen	0.47	ND	0.05	0.05	0.06	0.06		0.06	0.06	1	mg/L
Total organic nitrogen	0.1	0.2	0.4	0.3	0.2	0.5		0.4	0.4	1	mg/L
Total nitrogen	0.6	0.2	0.4	0.4	0.2	0.5		0.5	0.4	-	mg/L

**Table 6-F: City Creek 2
Contract Lab Results Continued**

	12/21 /08	1/27 /09	2/5 /09	5/11 /09	6/16 /09	7/28 /09	9/9 /09	10/15/ 09	11/17/ 09	Objective	Unit
<i>Metals and Metalloids</i>											
Antimony	ND	ND	ND	ND	ND	ND		ND	ND	14	ug/L
Arsenic	ND	ND	ND	ND	ND	ND		ND	ND	150/340	ug/L
Beryllium	ND	ND	ND	ND	ND	ND		ND	ND	4	ug/L
Cadmium	ND	ND	ND	ND	ND	ND		ND	ND	5	ug/L
Copper	ND	ND	ND	ND	ND	ND		2.1	ND	1300	ug/L
Lead	ND	ND	ND	0.13	0.19	ND		ND	ND	15	ug/L
Mercury	ND	ND	ND	ND	ND	ND		ND	ND	2	ug/L
Nickel	ND	ND	ND	1.5	ND	1.6		ND	ND	610	ug/L
Selenium	ND	ND	ND	ND	ND	ND		ND	ND	5/20	ug/L
Silver	ND	ND	ND	ND	ND	ND		ND	ND	100	ug/L
Thallium	ND	ND	ND	ND	ND	ND		ND	ND	1.7	ug/L
Zinc	ND	ND	1.4	4.6	5.2	3.0		2.5	1.6	5000	ug/L
<i>Organochlorine Pesticides and PCBs by EPA 608</i>											
Pesticide & PCBs	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND	ALL ND		ALL ND	ALL ND	-	ug/L