

Appendix A

2009 Water Quality Implementation Report

*Provo River, Deer Creek Reservoir
and Jordanelle Reservoir*

Station Name	Station ID	Page Number
Big Dutch Pete Hollow	4997675	10
Daniels Creek 100 feet below cnfl w/ LCC	5913520	22
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Lower Charleston Canal ab Daniels Ck	5910020	14
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Main Creek at bridge on US189 above Res.	5913460	21
Northwestward Flow to Provo R. (Flood Control)	5911120	19
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Provo River above Hailstone Junction	4998130	11
Provo River above Woodland at USGS gage	4998400	13
Provo River at Heber - Midway Bridge	5910250	16
Provo River at Murdock Diversion	4996780	1
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Rock Creek at 1200 North, Heber	5910295	18
Snake Creek above Deer Creek Res.	5910160	15
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Weber Provo Canal Diversion at US189	4998140	12

Water Quality Data Analysis 2008 Water Year

Station ID **4996780** Provo River at Murdock Diversion

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	40	0	0	0	216	9.24	1745	0	0	0	463622
11/28/2007	38	0	0	0	196	4.05	2713	0	0	0	687355
2/27/2008	35	0	0	0	242	5.22	6316	0	0	0	1701302
3/25/2008	40	0	0	0	252	8.46	2142	0	0	0	650652
4/29/2008	30	0	0	8	250	8.77	2082	0	0	10244	642822
5/28/2008	18	0	0	0	246	12.47	1035	0	0	5093	315755
6/26/2008	91	0	0	5.2	210	14.28	5233	0	0	16736	1467581
7/29/2008	18	0	0	8	202	16.76	1178	0	0	9562	298457
8/27/2008	23	0	0	6	188	17.03	1323	0	0	11388	317240
9/25/2008	18	0	0	0	196	13.62	1035	0	0	3820	244455
Grand Total							24,801	0	0	56,843	6,789,241

Avg Flow	35	CFS
Avg TP	0.00	mg/l
Max TP	0.00	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	220	mg/l
Max TDS	252	mg/l
Min TDS	188	mg/l
Avg TSS	3	mg/l
Max TSS	8.0	mg/l
Min TSS	0.0	mg/l
Avg Temp	11.0	degree C
Max Temp	17.0	degree C
Min Temp	4.1	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4996810 Provo River at Olmsted Diversion

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	44	0	0	0	234	9.19	1920	0	0	0	552483
11/28/2007	38	0	0	0	220	3.5	2713	0	0	0	757425
2/27/2008	35	0	0	0	258	3.25	6316	0	0	0	1856672
3/25/2008	40	0	0	0	282	6.51	2142	0	0	0	711239
4/29/2008	145	0	0	8	254	8.24	10064	0	0	49514	3317406
5/28/2008	275	0	0	0	244	12	15814	0	0	77807	4843484
6/26/2008	463	0	0.021	4	210	13.67	26626	0	344	65499	7434173
7/29/2008	201	0	0.022	6.8	206	16.06	13153	0	348	87364	3365125
8/27/2008	127	0	0	5.2	184	17.64	7303	0	99	53899	1751718
9/25/2008	50	0.25	0.02	0	200	14.8	2875	442	35	9195	679043
Grand Total							88,926	442	826	343,278	25,268,768

Avg Flow	142	CFS
Avg TP	0.01	mg/l
Max TP	0.02	mg/l
Min TP	0.00	mg/l
Avg DTP	0.03	mg/l
Max DTP	0.25	mg/l
Min DTP	0.00	mg/l
Avg TDS	229	mg/l
Max TDS	282	mg/l
Min TDS	184	mg/l
Avg TSS	2	mg/l
Max TSS	8.0	mg/l
Min TSS	0.0	mg/l
Avg Temp	10.5	degree C
Max Temp	17.6	degree C
Min Temp	3.3	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4996830 Lower South Fork Provo R at Vivian Park

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	8	0	0	0	176	8.31	349	0	0	0	75553
11/28/2007	8	0	0	0	142	3.47	571	0	0	0	111691
3/25/2008	12	0	0	4.4	200	8.85	2808	0	0	7598	590591
4/29/2008	14	0	0	7.6	166	10.25	972	0	0	7171	218713
5/28/2008	15	0	0	0	172	12.28	863	0	0	4032	179310
6/26/2008	15	0	0	4	186	13.58	863	0	0	2122	189920
7/1/2008	60					17.9	595	0	0	1463	68051
7/29/2008	20	0	0	6.8	178	13.97	1110	0	0	4644	121564
8/27/2008	14	0	0	0	172	12.25	805	0	0	3367	173297
9/25/2008	12	0	0	0	168	10.15	690	0	0	0	144297
Grand Total							9,625	0	0	30,397	1,872,987

Avg Flow	18	CFS
Avg TP	0.00	mg/l
Max TP	0.00	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	173	mg/l
Max TDS	200	mg/l
Min TDS	142	mg/l
Avg TSS	3	mg/l
Max TSS	7.6	mg/l
Min TSS	0.0	mg/l
Avg Temp	11.1	degree C
Max Temp	17.9	degree C
Min Temp	3.5	degree C

Water Quality Data Analysis 2008 Water Year

Station ID | 4996850 | Lower North Fork of Provo R at Wildwood

Time Period | 10/1/2007 | 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	10	0	0	0	186	7.02	436	0	0	0	99808
11/28/2007	7	0	0	0	164	2.7	500	0	0	0	107564
3/25/2008	10	0	0	6.4	290	6.92	2340	0	0	9210	653335
4/29/2008	10	0	0	4.4	238	8.48	694	0	0	4610	225372
5/28/2008	20	0	0	0	202	10.54	1150	0	0	3112	311228
6/26/2008	40	0	0.023	23.2	154	10.86	2300	0	33	32820	503623
7/29/2008	25	0	0	0	148	12.66	1636	0	23	23342	303850
8/27/2008	18	0	0	0	164	12.15	1035	0	0	0	198620
9/25/2008	12	0	0	0	174	9.43	690	0	0	0	143448
Grand Total							10,782	0	56	73,095	2,546,847

Avg Flow	17	CFS
Avg TP	0.00	mg/l
Max TP	0.02	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	191	mg/l
Max TDS	290	mg/l
Min TDS	148	mg/l
Avg TSS	4	mg/l
Max TSS	23.2	mg/l
Min TSS	0.0	mg/l
Avg Temp	9.0	degree C
Max Temp	12.7	degree C
Min Temp	2.7	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4996870 Little Deer Creek above cnfl with Provo River

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	5.5	0	0	0	298	8.81	240	0	0	0	87949
11/28/2007	10	0	0	4.8	274	4.45	714	0	0	2107	251129
3/25/2008	13	0	0	13.2	284	9.76	3042	0	0	33674	1043896
4/29/2008	27	0	0.03	24.8	224	10.5	1874	0	35	43794	585455
5/28/2008	20	0	0.022	0	258	14.38	1150	0	37	17542	340936
6/26/2008	16.2	0	0	13.2	282	16.17	932	0	13	7563	309389
7/29/2008	17	0	0	5.2	286	16.56	1112	0	0	12589	388606
8/27/2008	16	0	0	4.4	300	14.13	920	0	0	5432	331599
9/25/2008	13	0	0	0	298	10.49	748	0	0	2023	274942
Grand Total							10,732	0	84	124,724	3,613,900

Avg Flow	15	CFS
Avg TP	0.01	mg/l
Max TP	0.03	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	278	mg/l
Max TDS	300	mg/l
Min TDS	224	mg/l
Avg TSS	7	mg/l
Max TSS	24.8	mg/l
Min TSS	0.0	mg/l
Avg Temp	11.7	degree C
Max Temp	16.6	degree C
Min Temp	4.5	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4996890 Provo River at Utah Co. Line

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	113	0	0	7.2	234	10.89	4930	0	0	43658	1418877
11/28/2007	107	0	0	4.4	224	6.24	7639	0	0	54493	2151541
2/27/2008	102	0	0	0	272	3.28	18406	0	0	49807	5614629
3/25/2008	324	0	0	0	284	4.53	17347	0	0	0	5931730
4/29/2008	443	0	0	0	268	6.73	30746	0	0	0	10437793
5/28/2008	341	0	0	0	256	9.8	19610	0	0	0	6319482
6/26/2008	803	0	0.02	0	212	12.4	46178	0	568	0	13290987
7/29/2008	528	0	0.02	4.4	206	14.95	34552	0	850	93497	8882229
8/27/2008	493	0	0.02	7.2	188	16.97	28351	0	697	202256	6869719
9/25/2008	216	0.02	0.02	0	204	16.28	12422	153	306	55002	2994578
Grand Total							220,180	153	2,421	498,713	63,911,566

Avg Flow	347	CFS
Avg TP	0.01	mg/l
Max TP	0.02	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.02	mg/l
Min DTP	0.00	mg/l
Avg TDS	235	mg/l
Max TDS	284	mg/l
Min TDS	188	mg/l
Avg TSS	2	mg/l
Max TSS	7.2	mg/l
Min TSS	0.0	mg/l
Avg Temp	10.2	degree C
Max Temp	17.0	degree C
Min Temp	3.3	degree C

Water Quality Data Analysis 2008 Water Year

Station ID | 4997250 | Spring Creek at entrance to Provo River E of WWTP
 Time Period | 10/1/2007 | 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	21	0.037	0.06705	44.4	256	6.85	916	42	76	50033	288476
11/28/2007	10.8	0.048	0.077	30.8	224	3.94	771	40	68	35657	227596
2/27/2008	22	0.041	0.057	43.6	314	3.05	3970	217	327	181650	1313543
4/29/2008	15	0.037	0.07	16	276	10.15	1844	88	144	67597	669164
5/28/2008	45	0.032	0.061	32.8	218	11.65	2588	110	208	77666	786204
6/26/2008	39	0.05	0.081	24	256	13.69	2243	113	196	78345	653791
7/29/2008	38.4	0.044	0.057	5.6	226	14.85	2513	145	213	45744	744886
8/27/2008	24	0.05	0.076	14.4	272	13.27	1380	80	113	16976	422704
9/25/2008	19	0.04	0.05	29.5	232	9.22	1093	60	85	29499	338673
Grand Total							17,318	896	1,430	583,166	5,445,037

Avg Flow	26	CFS
Avg TP	0.07	mg/l
Max TP	0.08	mg/l
Min TP	0.05	mg/l
Avg DTP	0.04	mg/l
Max DTP	0.05	mg/l
Min DTP	0.03	mg/l
Avg TDS	253	mg/l
Max TDS	314	mg/l
Min TDS	218	mg/l
Avg TSS	27	mg/l
Max TSS	44.4	mg/l
Min TSS	5.6	mg/l
Avg Temp	9.6	degree C
Max Temp	14.9	degree C
Min Temp	3.1	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4997300 Provo River at River Road Bridge

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	133	0	0	0	128	8.47	5802	0	0	0	913507
11/28/2007	144	0	0	0	96	5.4	10280	0	0	0	1416155
2/27/2008	154	0	0	0	118	2.53	27790	0	0	0	3657411
3/25/2008	136	0	0	4	152	3.45	7282	0	0	17913	1209106
4/29/2008	229	0	0	0	132	5.85	15894	0	0	39099	2776002
5/28/2008	500	0	0	0	130	7.31	28754	0	0	0	4633051
6/26/2008	662	0	0	0	136	7.16	38070	0	0	0	6227811
7/29/2008	451	0	0	0	98	11.63	29513	0	0	0	4247214
8/27/2008	367	0	0	0	112	11.29	21105	0	0	0	2725720
9/25/2008	196	0	0	0	118	10.11	11271	0	0	0	1594336
Grand Total							195,760	0	0	57,011	29,400,313

Avg Flow	297	CFS
Avg TP	0.00	mg/l
Max TP	0.00	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	122	mg/l
Max TDS	152	mg/l
Min TDS	96	mg/l
Avg TSS	0	mg/l
Max TSS	4.0	mg/l
Min TSS	0.0	mg/l
Avg Temp	7.3	degree C
Max Temp	11.6	degree C
Min Temp	2.5	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4997330 Provo River bl Jordanelle Dam

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	151	0	0	0	122	9.06	6588	0	0	0	988524
11/28/2007	151	0	0	0	96	5.95	10780	0	0	0	1445219
2/27/2008	150	0	0	0	130	2.78	27068	0	0	0	3762174
3/25/2008	150	0	0	0	146	3.16	8031	0	0	0	1363207
4/29/2008	240	0	0	0	134	4.42	16657	0	0	0	2868370
5/28/2008	552	0	0	0	130	6.27	31744	0	0	0	5153934
6/26/2008	710	0	0	6.8	136	6.14	40830	0	0	170751	6679375
7/29/2008	596	0	0	0	102	10.19	39002	0	0	163105	5708671
8/27/2008	445	0	0	0	110	10.78	25591	0	0	0	3336504
9/25/2008	247	0	0	0	108	10.38	14204	0	0	0	1904361
Grand Total							220,494	0	0	333,856	33,210,340

Avg Flow	339	CFS
Avg TP	0.00	mg/l
Max TP	0.00	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	121	mg/l
Max TDS	146	mg/l
Min TDS	96	mg/l
Avg TSS	1	mg/l
Max TSS	6.8	mg/l
Min TSS	0.0	mg/l
Avg Temp	6.9	degree C
Max Temp	10.8	degree C
Min Temp	2.8	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4997675 Big Dutch Pete Hollow

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	4	0	0	0	768	8.95	175	0	0	0	164843
11/28/2007	3	0	0	6	732	5.56	214	0	0	790	197566
4/29/2008	6	0	0.02	16.4	482	8.74	1820	0	22	25078	1359124
5/28/2008	4	0	0	0	746	13.04	230	0	3	2320	173722
6/26/2008	3	0	0	0	898	15.4	173	0	0	0	174429
7/29/2008	4	0	0	0	912	16.21	262	0	0	0	291374
8/27/2008	2	0	0	0	884	14.73	115	0	0	0	127038
9/25/2008	3	0	0	0	834	12.14	173	0	0	0	182281
Grand Total							3,161	0	25	28,188	2,670,377

Avg Flow	4	CFS
Avg TP	0.00	mg/l
Max TP	0.02	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	782	mg/l
Max TDS	912	mg/l
Min TDS	482	mg/l
Avg TSS	3	mg/l
Max TSS	16.4	mg/l
Min TSS	0.0	mg/l
Avg Temp	11.8	degree C
Max Temp	16.2	degree C
Min Temp	5.6	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4998130 Provo River ab Hailstone Junction

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	130	0	0	5.2	126	3.34	5671	0	0	36274	878950
11/28/2007	150	0	0	0	120	0	10708	0	0	34245	1620044
2/27/2008	45	0	0	0	142	0.3	8120	0	0	0	1308438
3/25/2008	98	0	0	4.4	168	2.52	5247	0	0	14198	1000344
4/29/2008	519	0	0.02	27.2	114	5.84	36021	0	443	700036	6247156
5/28/2008	1168	0	0	15.2	84	6.33	67168	0	826	1751477	8179069
6/26/2008	941	0	0	11.2	66	9.91	54114	0	0	878596	4992025
7/29/2008	52.4	0	0	0	130	15.3	3429	0	0	23619	413332
8/27/2008	44	0	0	0	144	12.99	2530	0	0	0	426382
9/25/2008	71	0	0	4.8	124	8.78	4083	0	0	12053	672960
Grand Total							197,093	0	1,269	3,450,499	25,738,699

Avg Flow	322	CFS
Avg TP	0.00	mg/l
Max TP	0.02	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	122	mg/l
Max TDS	168	mg/l
Min TDS	66	mg/l
Avg TSS	7	mg/l
Max TSS	27.2	mg/l
Min TSS	0.0	mg/l
Avg Temp	6.5	degree C
Max Temp	15.3	degree C
Min Temp	0.0	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4998140 Weber Provo Canal Diversion at US189

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
3/25/2008	9.2	0	0	0	182	0.37	3211	0	0	0	718786
4/29/2008	137	0	0.02	17.2	156	7.29	9508	0	117	100581	1976529
5/28/2008	419	0	0	8	106	6.42	24095	0	296	373431	3882497
6/26/2008	328	0	0	14.8	68	8.57	18862	0	0	264487	2018454
7/29/2008	15	0.364	0	0	132	14.56	982	220	0	8934	120735
Grand Total							56,659	220	413	747,433	8,717,001

Avg Flow	182	CFS
Avg TP	0.00	mg/l
Max TP	0.02	mg/l
Min TP	0.00	mg/l
Avg DTP	0.07	mg/l
Max DTP	0.36	mg/l
Min DTP	0.00	mg/l
Avg TDS	129	mg/l
Max TDS	182	mg/l
Min TDS	68	mg/l
Avg TSS	8	mg/l
Max TSS	17.2	mg/l
Min TSS	0.0	mg/l
Avg Temp	7.4	degree C
Max Temp	14.6	degree C
Min Temp	0.4	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 4998400 Provo River above Woodland at USGS gage

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	88	0	0	0	110	2.73	3839	0	0	0	519429
11/28/2007	50	0	0	0	114	1.93	3569	0	0	0	491721
2/27/2008	43	0	0	0	136	2.14	7759	0	0	0	1193020
3/25/2008	59	0	0	4	148	2.59	3159	0	0	7771	551737
4/29/2008	302	0	0	12	80	3.26	20960	0	0	206249	2939055
5/28/2008	790	0	0	6.4	64	5.03	45431	0	0	514092	4023328
6/26/2008	731	0	0	5.6	60	8.27	42038	0	0	310238	3205789
7/29/2008	90	0	0	0	116	12.07	5890	0	0	20283	637481
8/27/2008	58	0	0	0	148	10.48	3335	0	0	0	541537
9/25/2008	82	0	0	4	120	7.81	4716	0	0	11600	777221
Grand Total							140,696	0	0	1,070,234	14,880,315

Avg Flow	229	CFS
Avg TP	0.00	mg/l
Max TP	0.00	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	110	mg/l
Max TDS	148	mg/l
Min TDS	60	mg/l
Avg TSS	3	mg/l
Max TSS	12.0	mg/l
Min TSS	0.0	mg/l
Avg Temp	5.6	degree C
Max Temp	12.1	degree C
Min Temp	1.9	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5910020 Lower Charleston Canal ab Daniels Ck

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	2	0	0	0	254	9	87	0	0	0	27259
3/25/2008	3	0.027	0.047	6	338	11.21	916	15	26	3381	333550
6/26/2008	2	0	0.023	0	262	17.59	369	6	16	1361	136101
Grand Total							1,372	21	42	4,742	496,911

Avg Flow	2	CFS
Avg TP	0.02	mg/l
Max TP	0.05	mg/l
Min TP	0.00	mg/l
Avg DTP	0.01	mg/l
Max DTP	0.03	mg/l
Min DTP	0.00	mg/l
Avg TDS	285	mg/l
Max TDS	338	mg/l
Min TDS	254	mg/l
Avg TSS	2	mg/l
Max TSS	6.0	mg/l
Min TSS	0.0	mg/l
Avg Temp	12.6	degree C
Max Temp	17.6	degree C
Min Temp	9.0	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5910160 Snake Creek above Deer Creek Res.

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	31	0	0	10.8	646	12.21	1352	0	0	17965	1074595
11/28/2007	25	0	0	11.6	624	9.03	1785	0	0	24586	1393940
2/27/2008	25	0	0	16.4	644	9.65	4511	0	0	77685	3518021
3/25/2008	39	0	0.031	6.8	660	11.5	2088	0	40	29793	1674572
4/29/2008	39	0	0.02	13.6	668	13.74	2707	0	85	33959	2210694
5/28/2008	54	0	0.023	5.6	542	15.05	3105	0	82	36668	2310867
6/26/2008	72	0.023	0.035	10.8	530	16.05	4141	59	148	41761	2729751
7/29/2008	57	0	0	0	618	16.31	3730	53	80	24775	2633471
8/27/2008	51	0	0	7.6	492	14.98	2933	0	0	13708	2002115
9/25/2008	39	0	0	4	698	12.74	2243	0	0	16000	1641373
Grand Total							28,595	111	435	316,901	21,189,399

Avg Flow	43	CFS
Avg TP	0.01	mg/l
Max TP	0.04	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.02	mg/l
Min DTP	0.00	mg/l
Avg TDS	612	mg/l
Max TDS	698	mg/l
Min TDS	492	mg/l
Avg TSS	9	mg/l
Max TSS	16.4	mg/l
Min TSS	0.0	mg/l
Avg Temp	13.1	degree C
Max Temp	16.3	degree C
Min Temp	9.0	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5910250 Provo River at Heber - Midway Bridge

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	135	0	0	0	150	7.48	5890	0	0	0	1086615
11/28/2007	139	0	0	0	118	3.8	9923	0	0	0	1635498
2/27/2008	146	0	0	0	154	1.98	26346	0	0	0	4407182
3/25/2008	163	0	0	0	196	4.32	8727	0	0	0	1878526
4/29/2008	234	0	0	4.8	154	6.52	16241	0	0	47943	3495826
5/28/2008	514	0	0	0	140	8.18	29559	0	0	87257	5344490
6/26/2008	850	0	0	4.8	142	8.16	48881	0	0	144297	8477423
7/29/2008	491	0	0	0	112	12.67	32131	0	0	94849	5019113
8/27/2008	414	0	0	0	122	11.68	23808	0	0	0	3426195
9/25/2008	226	0	0.02	0	126	9.47	12997	0	160	0	1982239
Grand Total							214,501	0	160	374,346	36,753,106

Avg Flow	331	CFS
Avg TP	0.00	mg/l
Max TP	0.02	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.00	mg/l
Min DTP	0.00	mg/l
Avg TDS	141	mg/l
Max TDS	196	mg/l
Min TDS	112	mg/l
Avg TSS	1	mg/l
Max TSS	4.8	mg/l
Min TSS	0.0	mg/l
Avg Temp	7.4	degree C
Max Temp	12.7	degree C
Min Temp	2.0	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5910273 London Ditch @ 1200 North Heber

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	15	0.065	0.13454	52	304	6.98	654	52	108	41855	244690
3/25/2008	20	0.063	0.123	64	273	4.11	6108	481	967	435719	2167327
4/29/2008	3	0.093	0.17	30.4	294	11.55	208	20	38	12088	72606
5/28/2008	20	0.046	0.083	28	246	11.37	1150	98	179	41308	381961
6/26/2008	25	0.066	0.101	31.6	280	12.87	1438	99	163	52697	465073
7/29/2008	20	0.089	0.098	9.2	288	14.38	1309	125	160	32840	457183
8/27/2008	14	0.1	0.132	18	296	11.83	805	94	114	13468	289159
9/25/2008	5	0.11	0.12	27.5	306	8.67	288	37	45	8046	106454
Grand Total							11,959	1,006	1,773	638,020	4,184,453

Avg Flow	15	CFS
Avg TP	0.12	mg/l
Max TP	0.17	mg/l
Min TP	0.08	mg/l
Avg DTP	0.08	mg/l
Max DTP	0.11	mg/l
Min DTP	0.05	mg/l
Avg TDS	286	mg/l
Max TDS	306	mg/l
Min TDS	246	mg/l
Avg TSS	33	mg/l
Max TSS	64.0	mg/l
Min TSS	9.2	mg/l
Avg Temp	10.2	degree C
Max Temp	14.4	degree C
Min Temp	4.1	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5910295 Rock Creek at 1200 North, Heber

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
3/25/2008	5	0.04	0.069	18	218	3.59	1745	86	148	38635	467915
5/28/2008	6	0	0.028	21.6	146	8.98	761	19	45	18545	170463
6/26/2008	5	0.023	0.038	21.2	148	10.07	288	4	12	7568	51989
7/29/2008	8	0	0.024	11.2	112	12.74	524	7	20	10432	83710
Grand Total							3,318	116	225	75,180	774,077

Avg Flow	6	CFS
Avg TP	0.04	mg/l
Max TP	0.07	mg/l
Min TP	0.02	mg/l
Avg DTP	0.02	mg/l
Max DTP	0.04	mg/l
Min DTP	0.00	mg/l
Avg TDS	156	mg/l
Max TDS	218	mg/l
Min TDS	112	mg/l
Avg TSS	18	mg/l
Max TSS	21.6	mg/l
Min TSS	11.2	mg/l
Avg Temp	8.8	degree C
Max Temp	12.7	degree C
Min Temp	3.6	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5911120 Northwestward Flow to Provo R. (Flood Control)

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
3/25/2008	20	0.064	0.109	62.8	218	8.19	6980	549	936	539175	1871660
4/29/2008	12	0.025	0.05	59.6	170	12.74	833	46	81	62694	198737
5/28/2008	18	0	0.045	25.6	152	12.75	1035	16	60	54239	204986
6/26/2008	8	0	0.022	15.6	150	18.77	460	0	19	11657	85446
7/29/2008	5	0	0	11.6	104	22.52	327	0	4	5473	51111
9/25/2008	4	0	0	0	126	12.19	460	0	0	3282	65075
Grand Total							10,095	611	1,101	676,521	2,477,015

Avg Flow	11	CFS
Avg TP	0.04	mg/l
Max TP	0.11	mg/l
Min TP	0.00	mg/l
Avg DTP	0.01	mg/l
Max DTP	0.06	mg/l
Min DTP	0.00	mg/l
Avg TDS	153	mg/l
Max TDS	218	mg/l
Min TDS	104	mg/l
Avg TSS	29	mg/l
Max TSS	62.8	mg/l
Min TSS	0.0	mg/l
Avg Temp	14.5	degree C
Max Temp	22.5	degree C
Min Temp	8.2	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5913210 Provo River below Deer Creek Res.

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	113	0	0	6.8	226	10.85	4930	0	0	41232	1370369
11/28/2007	107	0	0	6.4	226	6.3	7639	0	0	62009	2123355
2/27/2008	102	0	0	0	270	3.13	18406	0	0	72447	5614629
3/25/2008	324	0	0	0	2	4.47	17347	0	0	0	2901854
4/29/2008	443	0	0	0	266	6.61	30746	0	0	0	5067624
5/28/2008	341	0	0.02	0	250	9.73	19610	0	241	0	6223002
6/26/2008	803	0	0	0	208	12.25	46178	0	568	0	13006991
7/29/2008	528	0	0.022	4	202	14.92	34552	0	467	84997	8712234
8/27/2008	493	0	0	7.2	202	16.89	28351	0	384	195281	7044077
9/25/2008	216	0.02	0.02	4.8	200	16.26	12422	153	153	91671	3070970
Grand Total							220,180	153	1,813	547,638	55,135,105

Avg Flow	347	CFS
Avg TP	0.01	mg/l
Max TP	0.02	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.02	mg/l
Min DTP	0.00	mg/l
Avg TDS	205	mg/l
Max TDS	270	mg/l
Min TDS	2	mg/l
Avg TSS	3	mg/l
Max TSS	7.2	mg/l
Min TSS	0.0	mg/l
Avg Temp	10.1	degree C
Max Temp	16.9	degree C
Min Temp	3.1	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5913460 Main Creek at bridge on US189 above Res.

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	5	0	0.02607	23.6	362	9.79	218	0	7	6332	97125
11/28/2007	5	0	0.028	27.6	288	1.34	357	0	12	11239	142687
3/25/2008	19	0	0.03	32	352	9.36	4446	0	159	162960	1749901
4/29/2008	35	0.023	0.08	152	156	10.67	2429	34	164	274885	758923
5/28/2008	65	0	0.035	27.2	152	12.2	3738	53	264	411953	708043
6/26/2008	16	0.027	0.038	15.6	286	18.45	920	15	41	24219	247851
7/29/2008	6	0.034	0.038	4.4	334	21.51	393	15	18	4829	149711
8/27/2008	4	0	0.024	5.2	330	18.59	230	5	9	1358	93934
9/25/2008	5	0.02	0.02	0	340	12.34	288	4	8	920	118479
Grand Total							13,018	126	682	898,695	4,066,653

Avg Flow	18	CFS
Avg TP	0.04	mg/l
Max TP	0.08	mg/l
Min TP	0.02	mg/l
Avg DTP	0.01	mg/l
Max DTP	0.03	mg/l
Min DTP	0.00	mg/l
Avg TDS	289	mg/l
Max TDS	362	mg/l
Min TDS	152	mg/l
Avg TSS	32	mg/l
Max TSS	152.0	mg/l
Min TSS	0.0	mg/l
Avg Temp	12.7	degree C
Max Temp	21.5	degree C
Min Temp	1.3	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5913520 Daniels Creek 100 feet below cnfl w/ LCC

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
11/28/2007	2	0.032	0.043	10	228	2.45	230	9	12	2829	64509
4/29/2008	1.8	0.025	0.05	6.8	266	13.7	546	19	31	5642	165916
5/28/2008	44	0	0.025	28	164	10.04	2530	39	117	54154	669140
9/25/2008	2	0.03	0.03	17.6	244	11.66	476	9	16	13347	119418
Grand Total							3,782	76	176	75,972	1,018,983

Avg Flow	12	CFS
Avg TP	0.04	mg/l
Max TP	0.05	mg/l
Min TP	0.03	mg/l
Avg DTP	0.02	mg/l
Max DTP	0.03	mg/l
Min DTP	0.00	mg/l
Avg TDS	226	mg/l
Max TDS	266	mg/l
Min TDS	164	mg/l
Avg TSS	16	mg/l
Max TSS	28.0	mg/l
Min TSS	6.8	mg/l
Avg Temp	9.5	degree C
Max Temp	13.7	degree C
Min Temp	2.5	degree C

Water Quality Data Analysis 2008 Water Year

Station ID 5913630 Provo River above Deer Creek Res. at McKellar Br.

Time Period 10/1/2007 9/30/2008

	Flow	Phosphorus as P		Solids		Temperature water	Volume (ac-ft)	DTP Mass Loading	TP Mass Loading	Total TSS Loading	Total TDS Loading
		Dissolved	Total	Total Suspended (TSS)	Dissolved						
10/23/2007	165	0	0	0	176	8.87	7198	0	0	0	1558286
11/28/2007	156	0	0	0	140	4.23	11137	0	0	0	2164273
2/27/2008	192	0	0	13.6	274	4.34	34647	0	0	289787	8821467
3/25/2008	232	0.022	0.032	18.8	214	6.57	12422	168	244	247511	3727944
4/29/2008	249	0	0.02	9.2	178	9.4	17282	234	553	297593	4166307
5/28/2008	574	0	0.023	7.6	154	10.69	33009	0	873	341049	6739781
6/26/2008	812	0	0	9.2	154	11.29	46696	0	661	482460	8845096
7/29/2008	513	0	0.02	0	126	14.82	33570	0	413	189940	5780790
8/27/2008	404	0	0	5.2	138	13.74	23233	0	286	74299	3772082
9/25/2008	256	0	0	4.8	148	10.63	14722	0	0	90539	2589416
Grand Total							233,915	402	3,029	2,013,179	48,165,442

Avg Flow	355	CFS
Avg TP	0.01	mg/l
Max TP	0.03	mg/l
Min TP	0.00	mg/l
Avg DTP	0.00	mg/l
Max DTP	0.02	mg/l
Min DTP	0.00	mg/l
Avg TDS	170	mg/l
Max TDS	274	mg/l
Min TDS	126	mg/l
Avg TSS	7	mg/l
Max TSS	18.8	mg/l
Min TSS	0.0	mg/l
Avg Temp	9.5	degree C
Max Temp	14.8	degree C
Min Temp	4.2	degree C