



Table A-1. Summary Statistics for Metals (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Cadmium, Dissolved</b>															
795	µg/l	23	0	0	5/28/2002	7/14/2009	0.15	0.2	--	--	--	0.0902	0.1 U	0.0125	
794	µg/l	22	0	0	8/20/2003	7/14/2009	0.15	0.2	--	--	--	0.0909	0.1 UV	0.0123	
C10	µg/l	30	2	6.7	1/9/2006	8/12/2009	0.01	0.02	0.01	0.02	1/8/2007	0.00933	0.01 V	0.00286	
C20	µg/l	29	4	13.8	1/10/2006	8/12/2009	0.01	0.02	0.02	0.24	8/14/2007	0.0179	0.01 U	0.0429	
C30	µg/l	8	1	12.5	7/14/2005	6/9/2009	0.005	0.1	0.1	0.1	4/20/2006	0.0503	0.05 UV	0.0261	
C40	µg/l	10	1	10	7/12/2005	6/9/2009	0.005	0.1	0.3	0.3	7/12/2005	0.0703	0.05 UV	0.0821	
C50	µg/l	8	0	0	7/14/2005	9/1/2009	0.005	0.1	--	--	--	0.0381	0.05 UV	0.022	
VM50	µg/l	13	0	0	3/14/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 U	2.07E-09	
T20	µg/l	5	0	0	3/14/2006	10/22/2007	0.2	0.2	--	--	--	0.1	0.1 U	1.67E-09	
VM40	µg/l	17	0	0	5/9/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 U	0	
VM30	µg/l	31	6	19.4	3/11/2003	7/14/2009	0.15	15	0.2	0.38	1/21/2004	0.844	0.1 U	2.22	
VM20	µg/l	18	0	0	3/14/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 UV	1.2E-09	
VM10	µg/l	18	0	0	3/14/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 UV	1.2E-09	
VT30	µg/l	17	0	0	3/14/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 U	0	
VT20	µg/l	17	0	0	3/14/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 U	0	
VT10	µg/l	8	0	0	3/14/2006	12/11/2007	0.2	0.2	--	--	--	0.1	0.1 UV	1.99E-09	
VT05	µg/l	10	0	0	4/22/2008	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 UV	2.72E-09	
VM05	µg/l	10	0	0	4/22/2008	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 UV	2.72E-09	
<b>Cadmium, Total</b>															
795	µg/l	23	1	4.3	5/28/2002	7/14/2009	0.15	0.2	2.9	2.9	5/22/2008	0.212	0.1 U	0.586	
794	µg/l	22	1	4.5	8/20/2003	7/14/2009	0.15	0.2	0.15	0.15	3/16/2004	0.0943	0.1 UV	0.0171	
C10	µg/l	16	3	18.8	1/9/2006	11/7/2007	0.01	0.01	0.01	0.04	5/14/2007	0.00781	0.005 UV	0.00875	
C20	µg/l	15	3	20	1/10/2006	11/7/2007	0.01	0.01	0.01	0.02	5/14/2007; 6/12/2007	0.00733	0.005 U	0.0053	
C50	µg/l	9	1	11.1	1/3/2000	9/3/2002	0.1	0.1	0.13	0.13	5/1/2000	0.0589	0.05 U	0.0267	
VM50	µg/l	13	0	0	3/14/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 U	2.07E-09	
T20	µg/l	5	0	0	3/14/2006	10/22/2007	0.2	0.2	--	--	--	0.1	0.1 U	1.67E-09	
VM40	µg/l	19	1	5.3	8/11/2002	7/14/2009	0.2	0.5	0.5	0.5	11/6/2008	0.129	0.1 U	0.0962	
VM30	µg/l	33	10	30.3	8/11/2002	7/14/2009	0.15	15	0.16	0.4	11/6/2008	1.04	0.1 U	2.44	
VM20	µg/l	18	1	5.6	3/14/2006	7/14/2009	0.2	0.2	0.3	0.3	11/6/2008	0.111	0.1 UV	0.0471	
VM10	µg/l	18	0	0	3/14/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 UV	1.2E-09	
VT30	µg/l	17	0	0	3/14/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 U	0	
VT20	µg/l	17	0	0	3/14/2006	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 U	0	
VT10	µg/l	8	0	0	3/14/2006	12/11/2007	0.2	0.2	--	--	--	0.1	0.1 UV	1.99E-09	
VT05	µg/l	10	0	0	4/22/2008	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 UV	2.72E-09	
VM05	µg/l	9	0	0	5/22/2008	7/14/2009	0.2	0.2	--	--	--	0.1	0.1 U	2.48E-09	

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Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>Copper, Dissolved</b>														
M10	µg/l	26	22	84.6	5/10/2001	9/16/2009	1	2	0.72	3	10/14/2008	1.49	1.3 V	0.666
795	µg/l	23	3	13	5/28/2002	7/14/2009	1	10	1.2	1.9	5/28/2002	3.37	5 U	2.11
794	µg/l	22	2	9.1	8/20/2003	7/14/2009	1	10	1.2	1.4	3/16/2004	3.44	5 UV	2.13
M20	µg/l	117	105	89.7	8/29/2000	9/16/2009	1	2	0.5	4.6	12/4/2006	1.18	1	0.727
C10	µg/l	112	95	84.8	8/29/2000	9/15/2009	0.04	2	0.5	6.1	6/4/2002	1	0.7 V	0.848
M30	µg/l	121	111	91.7	8/29/2000	9/16/2009	1	2	0.5	8.6	5/14/2007	1.36	1	1.01
C20	µg/l	114	98	86	8/30/2000	9/15/2009	0.04	2	0.5	4.5	2/14/2007	1.07	0.9 V	0.688
M40	µg/l	119	107	89.9	8/29/2000	9/15/2009	1	2	0.5	7.9	2/14/2008	1.17	0.92	0.858
M50	µg/l	119	106	89.1	8/30/2000	9/15/2009	1	2	0.6	3.3	10/17/2006	1.21	1	0.638
M60	µg/l	122	102	83.6	8/30/2000	9/17/2009	1	2	0.69	5	10/17/2006	1.23	1 V	0.706
T10	µg/l	122	107	87.7	8/31/2000	9/16/2009	1	2	0.27	10.1	8/13/2007	1.24	0.8 V	1.44
M70	µg/l	120	106	88.3	8/31/2000	9/17/2009	1	2	0.63	4.5	10/17/2006	1.21	1 V	0.626
C30	µg/l	133	123	92.5	8/28/2000	9/14/2009	0.4	2	0.6	16.2	5/26/2005	3.69	2.9	3.03
C40	µg/l	139	128	92.1	8/28/2000	8/17/2009	0.5	2	0.72	15.9	5/26/2005	3.08	2.4	2.55
C50	µg/l	325	293	90.2	1/3/2000	9/1/2009	0.5	3	0.5	52	2/14/2001	3.97	3.2	3.6
M80	µg/l	107	102	95.3	4/17/2001	1/7/2009	2	2	0.7	20.3	8/13/2003	2.38	1.5	2.61
M90	µg/l	122	112	91.8	8/31/2000	9/15/2009	1	2	0.7	110	6/4/2003	4.13	1.5 V	13
VM50	µg/l	13	0	0	3/14/2006	7/14/2009	10	10	--	--	--	5	5 U	0
T20	µg/l	25	15	60	3/14/2006	9/14/2009	1	10	0.51	1.9	6/12/2008	1.71	1.1	1.73
VM40	µg/l	17	0	0	5/9/2006	7/14/2009	10	10	--	--	--	5	5 U	0
VM30	µg/l	31	4	12.9	3/11/2003	7/14/2009	1	10	1.9	2.53	8/8/2006	2.75	2.2	2.15
M130	µg/l	114	108	94.7	4/18/2001	9/14/2009	1	2	0.68	9.7	5/24/2006	2.33	2 V	1.47
M140	µg/l	115	113	98.3	4/18/2001	9/14/2009	2	5	1	12.9	12/13/2007	3.45	3	1.95
M150	µg/l	115	111	96.5	4/18/2001	9/14/2009	0.23	2	0.75	9.8	1/14/2008	3.14	2.8	1.75
VM20	µg/l	18	0	0	3/14/2006	7/14/2009	10	10	--	--	--	5	5 UV	0
VM10	µg/l	18	0	0	3/14/2006	7/14/2009	10	10	--	--	--	5	5 UV	0
VT30	µg/l	16	0	0	3/14/2006	7/14/2009	10	10	--	--	--	5	5 UV	0
VT20	µg/l	17	0	0	3/14/2006	7/14/2009	10	10	--	--	--	5	5 U	0
VT10	µg/l	8	0	0	3/14/2006	12/11/2007	10	10	--	--	--	5	5 UV	0
VT05	µg/l	10	0	0	4/22/2008	7/14/2009	10	10	--	--	--	5	5 UV	0
VM05	µg/l	10	0	0	4/22/2008	7/14/2009	10	10	--	--	--	5	5 UV	0
<b>Copper, Total</b>														
M10	µg/l	1	1	100	6/7/2001	6/7/2001	--	--	1	1	6/7/2001	1	1	0
795	µg/l	23	3	13	5/28/2002	7/14/2009	1	10	1.5	1.9	1/21/2004	3.4	5 U	2.07
794	µg/l	22	3	13.6	8/20/2003	7/14/2009	1	10	1.1	1.5	10/14/2003	3.47	5 UV	2.09
C50	µg/l	192	86	44.8	1/3/2000	12/29/2003	3	3	3	1789	5/28/2002	12.8	1.5 UV	129
VM50	µg/l	13	0	0	3/14/2006	7/14/2009	10	10	--	--	--	5	5 U	0
T20	µg/l	5	0	0	3/14/2006	10/22/2007	10	10	--	--	--	5	5 U	0
VM40	µg/l	19	1	5.3	8/11/2002	7/14/2009	5	10	8	8	3/14/2006	5.03	5 U	0.92
VM30	µg/l	33	9	27.3	8/11/2002	7/14/2009	1	10	1.1	3.757	9/12/2006	2.88	2.64	2
VM20	µg/l	18	1	5.6	3/14/2006	7/14/2009	10	10	16	16	12/11/2007	5.61	5 UV	2.59
VM10	µg/l	18	1	5.6	3/14/2006	7/14/2009	10	10	12	12	12/11/2007	5.39	5 UV	1.65
VT30	µg/l	17	0	0	3/14/2006	7/14/2009	10	20	--	--	--	5.29	5 U	1.21
VT20	µg/l	17	0	0	3/14/2006	7/14/2009	10	10	--	--	--	5	5 U	0
VT10	µg/l	8	1	12.5	3/14/2006	12/11/2007	10	10	12	12	12/11/2007	5.88	5 UV	2.47
VT05	µg/l	10	0	0	4/22/2008	7/14/2009	10	10	--	--	--	5	5 UV	0
VM05	µg/l	9	0	0	5/22/2008	7/14/2009	10	10	--	--	--	5	5 U	0

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												Mean	Median <sup>c</sup>	St Dev	
<b>Mercury, Dissolved</b>															
M10	ng/l	5	3	60	5/10/2001	2/6/2002	100	100	100	100	5/10/2001; 7/3/2001; 8/6/2001	80	100	27.4	
795	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0	
794	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0	
M20	ng/l	54	16	29.6	8/29/2000	8/8/2005	11	100	0.9	100	4/16/2001; 4/30/2001; 5/21/2001; 6/11/2001; 6/25/2001; 7/16/2001; 7/30/2001	27.6	9 UV	33.2	
C10	ng/l	43	8	18.6	8/29/2000	12/9/2003	11	100	100	200	1/9/2001	37.1	9 U	42.9	
M30	ng/l	47	9	19.1	8/29/2000	8/8/2005	11	100	1.6	100	4/16/2001; 4/30/2001; 5/21/2001; 6/11/2001; 6/25/2001; 7/16/2001; 7/30/2001	31.3	9 U	34	
C20	ng/l	45	9	20	8/30/2000	7/25/2005	11	100	1	100	4/16/2001; 5/1/2001; 5/21/2001; 6/12/2001; 6/25/2001; 7/17/2001; 7/30/2001	32.2	9 U	34.6	
M40	ng/l	47	9	19.1	8/29/2000	8/8/2005	11	100	1.7	100	4/16/2001; 4/30/2001; 5/21/2001; 6/11/2001; 6/25/2001; 7/16/2001; 7/30/2001	31.3	9 U	34	
M50	ng/l	48	9	18.8	8/30/2000	8/9/2005	11	100	1.2	100	4/16/2001; 4/30/2001; 5/21/2001; 6/11/2001; 6/25/2001; 7/16/2001; 7/30/2001	31.7	9 UV	33.8	
M60	ng/l	49	4	8.2	8/30/2000	8/9/2005	11	100	1.5	100	3/13/2001	26.9	9 U	23.5	
T10	ng/l	48	9	18.8	8/31/2000	8/9/2005	11	100	1.6	100	4/17/2001; 5/1/2001; 5/22/2001; 6/12/2001; 6/26/2001; 7/17/2001; 7/31/2001	31.7	9 UV	33.7	
M70	ng/l	49	9	18.4	8/31/2000	8/10/2005	11	100	1.8	100	4/17/2001; 5/1/2001; 5/22/2001; 6/13/2001; 6/26/2001; 7/17/2001; 7/31/2001	32.1	9 U	33.5	
C30	ng/l	45	10	22.2	8/28/2000	8/11/2005	11	100	1.2	100	4/19/2001; 5/24/2001; 5/3/2001; 6/15/2001; 6/28/2001; 7/19/2001; 8/2/2001	31.5	9 U	34.5	
C40	ng/l	44	9	20.5	8/28/2000	8/11/2005	11	100	1.1	100	4/19/2001; 5/24/2001; 5/3/2001; 6/15/2001; 6/29/2001; 7/19/2001; 8/2/2001	31.9	9 UV	34.8	
C50	ng/l	45	7	15.6	8/28/2000	12/12/2003	11	100	100	100	1/8/2001; 4/19/2001; 5/24/2001; 5/3/2001; 6/15/2001; 6/29/2001; 7/20/2001	35.3	10 U	33.9	
M80	ng/l	40	8	20	4/17/2001	8/10/2005	11	100	2.1	100	4/17/2001; 5/23/2001; 6/13/2001; 6/27/2001; 7/18/2001; 8/1/2001	26.8	9 UV	34.2	
M90	ng/l	56	17	30.4	8/31/2000	8/10/2005	11	100	0.8	100	1/8/2001; 4/18/2001; 5/23/2001; 6/13/2001; 6/27/2001; 7/18/2001; 8/1/2001	27.5	9 UV	32.9	
VM50	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0	

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												Mean	Median <sup>c</sup>	St Dev
T20	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
VM30	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
M130	ng/l	40	8	20	4/18/2001	8/10/2005	11	100	1.9	100	4/18/2001; 5/23/2001; 6/13/2001; 6/27/2001; 7/18/2001; 8/1/2001	26.8	9 UV	34.2
M140	ng/l	40	8	20	4/18/2001	8/12/2005	11	100	2.3	100	4/18/2001; 5/23/2001; 6/14/2001; 6/27/2001; 7/18/2001; 8/1/2001	26.8	9 UV	34.2
M150	ng/l	50	19	38	4/18/2001	9/14/2006	11	100	1.2	100	4/18/2001; 5/24/2001; 5/3/2001; 6/14/2001; 6/28/2001; 7/19/2001; 8/2/2001	23.7	9 UV	33.9
VM20	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
VM10	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
VT30	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
VT20	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
VT10	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
<b>Mercury, Total</b>														
M10	ng/l	19	19	100	6/7/2001	9/16/2009	--	--	0.7	100	6/7/2001	7.71	1.81	22.5
795	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
794	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
M20	ng/l	35	35	100	10/17/2005	9/16/2009	--	--	0.6	26	4/9/2007	3.09	1.4	4.91
C10	ng/l	11	11	100	12/13/2005	7/15/2009	--	--	0.3	2.96	6/10/2009	1.77	1.8	0.942
M30	ng/l	10	10	100	5/22/2006	7/13/2009	--	--	0.9	6.5	5/14/2007	3.03	2.47 V	1.86
C20	ng/l	13	13	100	1/3/2005	6/10/2009	--	--	0.3	5.4	6/6/2005	1.87	1.3	1.45
M40	ng/l	9	9	100	5/22/2006	7/13/2009	--	--	0.5	4.3	5/15/2007	1.99	1.48	1.3
M50	ng/l	4	4	100	5/23/2006	9/10/2007	--	--	0.8	3.6	5/15/2007	2.4	2.6 V	1.38
M60	ng/l	21	21	100	2/7/2006	7/14/2009	--	--	0.3	3.7	5/15/2007	1.78	1.86	0.945
T10	ng/l	15	15	100	4/12/2006	7/14/2009	--	--	0.6	7.9	5/15/2007	2.75	2.1	1.9
M70	ng/l	23	23	100	5/24/2006	9/17/2009	--	--	0.4	5.8	5/15/2007	1.87	1.26	1.46
C30	ng/l	6	5	83.3	7/14/2005	7/14/2009	200	200	0.84	2.11	7/14/2009	17.9	1.62 V	40.2
C40	ng/l	1	0	0	7/12/2005	7/12/2005	200	200	--	--	--	100	100 U	0
C50	ng/l	16	6	37.5	1/3/2000	7/14/2009	200	1000	0.81	1700	9/5/2000	394	500 UV	421
M80	ng/l	7	7	100	5/24/2006	11/4/2008	--	--	0.3	3.9	5/16/2007	1.96	1.8	1.31
M90	ng/l	24	24	100	10/19/2005	7/14/2009	--	--	0.3	4.3	5/16/2007	1.73	1.7 V	1.04
VM50	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
T20	ng/l	6	5	83.3	3/14/2006	7/15/2009	100	100	0.26	3.12	5/5/2009	9.28	0.965 V	20
VM40	ng/l	2	0	0	8/11/2002	3/14/2006	100	100	--	--	--	50	50 UV	0
VM30	ng/l	2	0	0	8/11/2002	3/14/2006	100	100	--	--	--	50	50 UV	0
M130	ng/l	20	20	100	1/14/2008	11/17/2009	--	--	0.26	12.7	2/12/2008	1.78	0.96 V	2.79
M140	ng/l	13	13	100	1/14/2008	11/17/2009	--	--	1.1	3.4	4/9/2008	1.88	1.86	0.701
M150	ng/l	16	16	100	10/21/2005	7/14/2009	--	--	0.6	2.6	8/10/2006	1.5	1.57 V	0.626
VM20	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
VM10	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
VT30	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
VT20	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0
VT10	ng/l	1	0	0	3/14/2006	3/14/2006	100	100	--	--	--	50	50 U	0

Table A-1. Summary Statistics for Metals (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Selenium, Dissolved</b>															
795	µg/l	23	1	4.3	5/28/2002	7/14/2009	1	2	2.1	2.1	12/17/2003	0.743	0.5 U	0.381	
794	µg/l	22	2	9.1	8/20/2003	7/14/2009	1	2	2.1	2.5	9/14/2004	0.8	0.5 UV	0.538	
M20	µg/l	22	11	50	3/7/2005	12/4/2006	0.08	0.4	0.04	0.1	5/22/2006	0.115	0.075 V	0.0732	
C10	µg/l	20	19	95	3/7/2005	6/10/2009	0.1	0.1	0.05	0.28	3/12/2007	0.0835	0.065 V	0.0632	
M30	µg/l	5	3	60	6/6/2005	11/13/2006	0.4	0.4	0.05	0.05	11/13/2006; 6/5/2006; 9/19/2005	0.11	0.05	0.0822	
C20	µg/l	21	18	85.7	3/8/2005	6/10/2009	0.1	0.1	0.05	0.08	1/11/2007; 11/7/2007; 6/10/2009; 6/9/2008; 8/14/2007	0.0638	0.06	0.0112	
M40	µg/l	5	3	60	6/6/2005	11/13/2006	0.4	0.4	0.05	0.06	11/13/2006; 6/6/2006	0.114	0.06	0.0786	
M50	µg/l	5	3	60	6/7/2005	11/15/2006	0.4	0.4	0.05	0.06	6/6/2006; 9/20/2005	0.114	0.06	0.0786	
M60	µg/l	5	4	80	6/7/2005	11/15/2006	0.4	0.4	0.05	0.2	6/7/2005	0.114	0.07	0.0789	
T10	µg/l	5	4	80	6/7/2005	11/15/2006	0.4	0.4	0.04	0.2	6/7/2005	0.106	0.05	0.0859	
M70	µg/l	4	3	75	6/8/2005	11/14/2006	0.4	0.4	0.05	0.3	6/8/2005	0.153	0.13 V	0.12	
C30	µg/l	13	5	38.5	6/9/2005	6/9/2009	0.1	1	0.05	0.08	6/9/2009	0.114	0.06	0.128	
C40	µg/l	15	6	40	6/9/2005	6/9/2009	0.1	1	0.06	0.2	6/9/2005	0.139	0.07	0.155	
C50	µg/l	16	8	50	5/11/2004	9/1/2009	0.1	1	0.035	0.13	6/9/2004	0.105	0.056 V	0.117	
M80	µg/l	5	4	80	6/8/2005	11/14/2006	0.4	0.4	0.04	0.3	6/8/2005	0.13	0.06	0.115	
M90	µg/l	55	44	80	3/9/2005	9/15/2009	0.08	0.4	0.03	0.2	5/25/2005	0.0875	0.07	0.0529	
VM50	µg/l	13	0	0	3/14/2006	7/14/2009	1	1	--	--	--	0.5	0.5 U	0	
T20	µg/l	5	2	40	3/14/2006	10/22/2007	1	1	1	1	10/22/2007; 3/14/2006	0.7	0.5 U	0.274	
VM40	µg/l	17	11	64.7	5/9/2006	7/14/2009	1	1	1	16.1	4/14/2009	4.15	1.1	4.56	
VM30	µg/l	31	23	74.2	3/11/2003	7/14/2009	1	2	1	24.6	3/16/2004; 4/21/2004	6.07	2.2	6.6	
M130	µg/l	13	13	100	6/8/2005	7/14/2009	--	--	0.07	4.4	5/6/2009	2.16	1.5	1.57	
M140	µg/l	11	11	100	6/10/2005	7/14/2009	--	--	0.76	3.9	5/6/2009	1.88	1.4	1.11	
M150	µg/l	54	54	100	3/10/2005	9/14/2009	--	--	1	7.1	5/6/2009	2.54	2.5 V	1.17	
VM20	µg/l	18	18	100	3/14/2006	7/14/2009	--	--	1.3	11	2/13/2007	3.59	3.55 V	2.27	
VM10	µg/l	18	18	100	3/14/2006	7/14/2009	--	--	2.5	6.3	3/14/2006	4.58	4.6 V	1.07	
VT30	µg/l	17	16	94.1	3/14/2006	7/14/2009	1	1	1.1	2.7	3/14/2006	1.58	1.6	0.558	
VT20	µg/l	17	17	100	3/14/2006	7/14/2009	--	--	5.2	16.5	8/14/2007	10.5	9.7	3.41	
VT10	µg/l	8	8	100	3/14/2006	12/11/2007	--	--	4.5	15.3	3/14/2006	11.5	12.2 V	3.52	
VT05	µg/l	10	10	100	4/22/2008	7/14/2009	--	--	5.8	13.2	5/12/2009	10.5	10.7 V	2.39	
VM05	µg/l	10	10	100	4/22/2008	7/14/2009	--	--	5.4	7.3	4/14/2009; 5/12/2009	6.49	6.55 V	0.667	
<b>Selenium, Total</b>															
795	µg/l	23	3	13	5/28/2002	7/14/2009	1	2	2.2	4.4	12/17/2003	1.01	0.5 U	1.04	
794	µg/l	22	2	9.1	8/20/2003	7/14/2009	1	2	4.3	4.6	9/16/2003	0.995	0.5 UV	1.14	
C50	µg/l	9	0	0	1/3/2000	9/3/2002	2	2	--	--	--	1	1 U	0	
VM50	µg/l	13	0	0	3/14/2006	7/14/2009	1	1	--	--	--	0.5	0.5 U	0	
T20	µg/l	5	0	0	3/14/2006	10/22/2007	1	1	--	--	--	0.5	0.5 U	0	
VM40	µg/l	19	10	52.6	8/11/2002	7/14/2009	1	1	1.8	14.7	4/14/2009	3.86	1.8	4.1	
VM30	µg/l	33	21	63.6	8/11/2002	7/14/2009	1	2	1.3	16.44	11/14/2006	5.04	2.17	4.97	
VM20	µg/l	18	18	100	3/14/2006	7/14/2009	--	--	1.4	9.6	2/13/2007	2.99	2.3 V	1.9	
VM10	µg/l	18	18	100	3/14/2006	7/14/2009	--	--	2.2	4.9	4/10/2007	3.53	3.3 V	0.789	
VT30	µg/l	17	14	82.4	3/14/2006	7/14/2009	1	1	1	2.2	4/22/2008	1.32	1.3	0.529	
VT20	µg/l	17	17	100	3/14/2006	7/14/2009	--	--	3.8	13.5	8/14/2007	8.66	8.7	2.75	
VT10	µg/l	8	8	100	3/14/2006	12/11/2007	--	--	3.6	12.5	12/11/2007	9.18	9.85 V	2.83	
VT05	µg/l	10	10	100	4/22/2008	7/14/2009	--	--	4.8	11.8	4/14/2009	8.91	9.35 V	2.16	
VM05	µg/l	9	9	100	5/22/2008	7/14/2009	--	--	4.4	6.7	4/14/2009	5.49	5.3	0.724	

Table A-1. Summary Statistics for Metals (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Zinc, Dissolved</b>															
795	µg/l	23	1	4.3	5/28/2002	7/14/2009	1	5	5.9	5.9	4/10/2007	1.87	2.5 U	1.32	
794	µg/l	22	2	9.1	8/20/2003	7/14/2009	1	5	8.7	22.4	8/20/2003	3.05	2.5 UV	4.66	
C10	µg/l	31	26	83.9	12/13/2005	8/12/2009	0.04	0.04	0.76	13.2	1/8/2007	2.97	2.1	3.41	
C20	µg/l	29	24	82.8	1/10/2006	8/12/2009	0.04	0.04	1	8.7	6/12/2007	2.07	1.5	1.98	
M40	µg/l	1	1	100	12/12/2005	12/12/2005	--	--	8.3	8.3	12/12/2005	8.3	8.3	0	
C30	µg/l	8	1	12.5	7/14/2005	6/9/2009	10	10	1.5	1.5	6/9/2009	4.56	5 UV	1.24	
C40	µg/l	10	3	30	7/12/2005	6/9/2009	10	10	1.1	20	7/11/2007	6.61	5 UV	5.16	
C50	µg/l	22	12	54.5	5/18/2000	9/1/2009	1.4	10	0.5	24	5/29/2002	6.2	4.75 V	5.75	
VM50	µg/l	13	1	7.7	3/14/2006	7/14/2009	5	5	5.1	5.1	3/14/2006	2.7	2.5 U	0.721	
T20	µg/l	5	2	40	3/14/2006	10/22/2007	5	5	5.8	10.1	3/14/2006	4.68	2.5 U	3.35	
VM40	µg/l	17	0	0	5/9/2006	7/14/2009	5	5	--	--	--	2.5	2.5 U	0	
VM30	µg/l	31	12	38.7	3/11/2003	7/14/2009	1	5	4.6	30.77	2/13/2007	6.94	2.5 U	8.64	
VM20	µg/l	18	16	88.9	3/14/2006	7/14/2009	5	5	5	29	3/14/2006; 4/22/2008	13.9	10.6 V	9.21	
VM10	µg/l	18	8	44.4	3/14/2006	7/14/2009	5	5	8.8	24.2	2/13/2007	7.97	2.5 UV	7.05	
VT30	µg/l	16	1	6.3	3/14/2006	7/14/2009	5	5	8.2	8.2	3/14/2006	2.86	2.5 UV	1.43	
VT20	µg/l	17	5	29.4	3/14/2006	7/14/2009	5	5	5.2	6.9	7/17/2008	3.52	2.5 U	1.66	
VT10	µg/l	8	7	87.5	3/14/2006	12/11/2007	5	5	5.2	27.1	2/13/2007	8.56	6.25 V	7.67	
VT05	µg/l	9	2	22.2	4/22/2008	7/14/2009	5	5	6.4	7.4	6/9/2009	3.48	2.5 U	1.96	
VM05	µg/l	10	2	20	4/22/2008	7/14/2009	5	5	6	6.5	11/6/2008	3.25	2.5 UV	1.59	
<b>Zinc, Total</b>															
795	µg/l	23	3	13	5/28/2002	7/14/2009	1	5	7.1	461	5/22/2008	23.3	2.5 U	95.7	
794	µg/l	22	5	22.7	8/20/2003	7/14/2009	1	5	9.2	54.7	8/20/2003	6.63	2.5 UV	11.9	
C50	µg/l	9	0	0	1/3/2000	9/3/2002	100	100	--	--	--	50	50 U	0	
VM50	µg/l	13	4	30.8	3/14/2006	7/14/2009	5	5	6	9.6	5/9/2006	4.13	2.5 U	2.7	
T20	µg/l	5	1	20	3/14/2006	10/22/2007	5	5	15.8	15.8	3/14/2006	5.16	2.5 U	5.95	
VM40	µg/l	19	1	5.3	8/11/2002	7/14/2009	5	10	6.1	6.1	12/11/2007	2.82	2.5 U	0.979	
VM30	µg/l	33	11	33.3	8/11/2002	7/14/2009	1	5	8.22	184.1	2/13/2007	16.8	2.5 U	36.5	
VM20	µg/l	18	18	100	3/14/2006	7/14/2009	--	--	5.8	28.1	4/22/2008	15.6	15.1 V	6.69	
VM10	µg/l	18	17	94.4	3/14/2006	7/14/2009	5	5	5.9	22.8	2/13/2007	11.6	12.2 V	5.15	
VT30	µg/l	17	1	5.9	3/14/2006	7/14/2009	5	5	7.1	7.1	3/14/2006	2.77	2.5 U	1.12	
VT20	µg/l	17	7	41.2	3/14/2006	7/14/2009	5	5	5	17	6/19/2008	4.49	2.5 U	3.59	
VT10	µg/l	8	7	87.5	3/14/2006	12/11/2007	5	5	6.1	32.1	7/24/2007	15.5	9.55 V	12.3	
VT05	µg/l	10	10	100	4/22/2008	7/14/2009	--	--	6	28.3	7/17/2008	11	8.25 V	6.92	
VM05	µg/l	9	7	77.8	5/22/2008	7/14/2009	5	5	5	12.4	6/9/2009	6.92	6.1	3.55	

**Notes:**

<sup>a</sup> - Earliest date of available data after 9/30/1999.

<sup>b</sup> - Latest date of available data prior to 10/1/2009.

<sup>c</sup> - Median is the exact result value ranking as the 0.50 percentile in an ascending list of all results. When the ascending list of all results doesn't produce an exact match to the corresponding percentile rank, average of two adjacent results ranking closest to 0.50 percentile is the median. Such median value is always qualified with "V". It is qualified with "U" if both results ranking immediately above and below the corresponding percentile are "U" qualified, and with "J" if at least one of the results is "J" qualified.

-- data not available.

U - The material was analyzed for, but was not detected. The associated numerical value is the method detection limit.

V - Median or 95th percentile obtained through interpolation per footnote b.

Table A-2. Summary Statistics for Nutrients (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>Ammonia Nitrogen as N</b>														
M10	mg/l	75	24	32	2/9/2001	9/16/2009	0.002	0.02	0.004	0.053	4/4/2003	0.00856	0.0075 U	0.00605
795	mg/l	51	9	17.6	12/18/2001	7/14/2009	0.01	0.05	0.0208	0.43	5/20/2003	0.038	0.025 U	0.0606
794	mg/l	58	10	17.2	12/18/2001	7/14/2009	0.01	0.05	0.0252	0.188	11/15/2005	0.0325	0.025 UV	0.0286
M20	mg/l	137	41	29.9	8/29/2000	9/16/2009	0.002	0.02	0.002	0.076	4/16/2001	0.00795	0.0075 U	0.00663
C10	mg/l	116	50	43.1	8/7/2000	9/15/2009	0.002	0.015	0.001	0.027	9/11/2001	0.005	0.005 V	0.00406
M30	mg/l	137	104	75.9	8/29/2000	9/16/2009	0.002	0.02	0.003	1.29	11/13/2006	0.128	0.028	0.205
C20	mg/l	117	94	80.3	8/30/2000	9/15/2009	0.002	0.015	0.001	0.071	9/11/2006	0.0141	0.01	0.013
M40	mg/l	131	101	77.1	8/29/2000	9/15/2009	0.01	0.02	0.003	0.171	11/15/2004	0.0188	0.012	0.0211
M50	mg/l	134	115	85.8	8/30/2000	9/15/2009	0.002	0.02	0.005	0.334	1/10/2006	0.0584	0.0225 V	0.0772
M60	mg/l	124	76	61.3	8/30/2000	9/17/2009	0.002	0.02	0.002	0.212	1/10/2006	0.0265	0.01 UV	0.0446
T10	mg/l	128	47	36.7	8/31/2000	9/16/2009	0.002	0.06	0.002	0.017	3/10/2009	0.0074	0.0075 UV	0.00351
M70	mg/l	137	98	71.5	8/31/2000	9/17/2009	0.002	0.02	0.002	0.144	1/11/2006	0.0199	0.01 U	0.0301
C30	mg/l	138	93	67.4	8/28/2000	9/14/2009	0.002	0.02	0.001	0.051	8/22/2006	0.0118	0.01 UV	0.00958
C40	mg/l	142	92	64.8	8/28/2000	8/17/2009	0.002	0.02	0.001	0.073	1/31/2008	0.0133	0.01 UV	0.0119
C50	mg/l	343	246	71.7	1/3/2000	9/29/2009	0.002	0.1	0.001	0.14	8/26/2002; 9/23/2002	0.0206	0.013	0.0196
M80	mg/l	113	87	77	3/13/2001	1/7/2009	0.01	0.02	0.002	0.14	1/9/2002	0.0199	0.012	0.0241
M90	mg/l	131	102	77.9	8/31/2000	9/15/2009	0.002	0.02	0.002	0.128	1/9/2002	0.0207	0.013	0.0232
VM50	mg/l	18	0	0	4/13/2004	7/14/2009	0.05	0.05	--	--	--	0.025	0.025 UV	3.01E-10
T20	mg/l	31	14	45.2	4/13/2004	9/14/2009	0.02	0.05	0.012	0.031	3/11/2009	0.0185	0.019	0.00675
VM40	mg/l	25	2	8	8/11/2002	7/14/2009	0.05	0.05	0.027	0.0628	4/10/2007	0.0266	0.025 U	0.00755
VM30	mg/l	26	3	11.5	8/11/2002	7/14/2009	0.01	0.05	0.043	0.0979	11/14/2006	0.0292	0.025 UV	0.0168
M130	mg/l	120	103	85.8	3/14/2001	9/14/2009	0.01	0.02	0.002	0.591	12/9/2004	0.028	0.015 V	0.0569
M140	mg/l	124	123	99.2	3/14/2001	9/14/2009	0.002	0.002	0.012	6.51	2/13/2003	0.296	0.03 V	0.946
M150	mg/l	118	118	100	3/14/2001	9/14/2009	--	--	0.007	4.26	1/15/2004	0.315	0.0395 V	0.817
VM20	mg/l	23	8	34.8	7/20/2004	7/14/2009	0.05	0.05	0.0528	1.29	2/13/2007	0.114	0.025 U	0.267
VM10	mg/l	19	7	36.8	7/19/2005	7/14/2009	0.05	0.05	0.0606	0.273	5/22/2008	0.0682	0.025 U	0.0716
VT30	mg/l	22	0	0	7/20/2004	7/14/2009	0.05	0.05	--	--	--	0.025	0.025 UV	3.47E-10
VT20	mg/l	22	3	13.6	7/20/2004	7/14/2009	0.05	0.05	0.0578	0.137	2/13/2007	0.0364	0.025 UV	0.0322
VT10	mg/l	36	36	100	7/15/2003	12/11/2007	--	--	0.001	4.66	3/16/2004	1.06	0.975 V	0.873
VT05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	0.248	1.37	5/12/2009	0.691	0.579 V	0.417
VM05	mg/l	10	5	50	4/22/2008	7/14/2009	0.05	0.05	0.0605	0.821	11/6/2008	0.138	0.0428 V	0.245



Table A-2. Summary Statistics for Nutrients (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Dissolved Phosphorus</b>															
M10	mg/l	40	22	55	2/9/2001	9/16/2009	0.0044	0.006	0.002	0.007	5/7/2009; 6/9/2008	0.00345	0.003 UV	0.00116	
M20	mg/l	137	117	85.4	8/29/2000	9/16/2009	0.004	0.006	0.002	0.078	4/16/2001	0.00498	0.004	0.00761	
C10	mg/l	98	68	69.4	8/7/2000	1/8/2008	0.002	0.006	0.002	0.02	4/16/2002	0.00362	0.003 V	0.00222	
M30	mg/l	136	136	100	8/29/2000	9/16/2009	--	--	0.003	0.66	9/9/2002	0.0432	0.017 V	0.0753	
C20	mg/l	99	91	91.9	8/30/2000	1/8/2008	0.004	0.006	0.002	0.012	2/10/2003	0.00502	0.005	0.00205	
M40	mg/l	131	118	90.1	8/29/2000	9/15/2009	0.0044	0.006	0.002	0.02	11/13/2006	0.00562	0.005	0.00293	
M50	mg/l	133	133	100	8/30/2000	9/15/2009	--	--	0.005	0.233	1/8/2009	0.0561	0.046	0.0418	
M60	mg/l	125	124	99.2	8/30/2000	9/17/2009	0.006	0.006	0.005	0.194	2/13/2008	0.0454	0.032	0.0354	
T10	mg/l	128	116	90.6	8/31/2000	9/16/2009	0.004	0.006	0.002	0.011	5/20/2003	0.00529	0.005 V	0.00188	
M70	mg/l	137	137	100	8/31/2000	9/17/2009	--	--	0.007	0.125	8/7/2002	0.0338	0.026	0.0236	
C30	mg/l	115	108	93.9	8/28/2000	9/14/2009	0.004	0.006	0.002	0.011	6/9/2005	0.00472	0.0049	0.00154	
C40	mg/l	121	113	93.4	8/28/2000	8/10/2009	0.004	0.006	0.002	0.032	4/13/2009; 4/14/2008	0.00778	0.006	0.00594	
C50	mg/l	118	109	92.4	8/28/2000	8/12/2009	0.004	0.006	0.002	0.049	1/16/2004	0.00789	0.0055 V	0.00659	
M80	mg/l	112	111	99.1	3/13/2001	1/7/2009	0.0044	0.0044	0.003	0.097	2/11/2008	0.0239	0.0155 V	0.0203	
M90	mg/l	130	130	100	8/31/2000	9/15/2009	--	--	0.006	0.096	2/11/2008	0.025	0.017 V	0.0189	
T20	mg/l	21	20	95.2	1/7/2008	9/14/2009	0.006	0.006	0.003	0.025	8/6/2008	0.011	0.009	0.00635	
M130	mg/l	120	118	98.3	3/14/2001	9/14/2009	0.004	0.006	0.0023	0.049	6/19/2003	0.00923	0.008 V	0.00623	
M140	mg/l	124	124	100	3/14/2001	9/14/2009	--	--	0.0072	2.67	2/12/2004	0.926	0.639 V	0.733	
M150	mg/l	119	119	100	3/14/2001	9/14/2009	--	--	0.124	2.34	2/12/2004	0.955	0.572	0.751	

Table A-2. Summary Statistics for Nutrients (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>Nitrate + Nitrite as N</b>														
M10	mg/l	133	133	100	2/9/2001	9/16/2009	--	--	0.059	0.689	4/4/2003	0.136	0.126	0.0688
795	mg/l	52	52	100	12/18/2001	7/14/2009	--	--	0.074	0.33	12/17/2003	0.134	0.129 V	0.0641
794	mg/l	58	58	100	12/18/2001	7/14/2009	--	--	0.06	0.32	12/17/2003	0.175	0.18 V	0.0776
M20	mg/l	137	136	99.3	8/29/2000	9/16/2009	0.016	0.016	0.028	0.271	12/12/2005	0.145	0.135	0.0556
C10	mg/l	115	90	78.3	8/7/2000	9/15/2009	0.005	0.022	0.002	0.108	12/13/2005	0.0319	0.027	0.0262
M30	mg/l	137	137	100	8/29/2000	9/16/2009	--	--	0.041	0.65	1/9/2008	0.194	0.161	0.11
C20	mg/l	117	114	97.4	8/30/2000	9/15/2009	0.005	0.013	0.009	0.288	5/5/2003	0.0618	0.052	0.0457
M40	mg/l	131	128	97.7	8/29/2000	9/15/2009	0.005	0.013	0.008	0.532	1/7/2002	0.0687	0.056	0.064
M50	mg/l	134	134	100	8/30/2000	9/15/2009	--	--	0.026	0.766	3/25/2003	0.26	0.234 V	0.152
M60	mg/l	124	122	98.4	8/30/2000	9/17/2009	0.016	0.016	0.01	0.938	3/25/2003	0.291	0.237 V	0.204
T10	mg/l	128	119	93	8/31/2000	9/16/2009	0.005	0.022	0.008	0.739	3/25/2003	0.0935	0.0805 V	0.0846
M70	mg/l	137	130	94.9	8/31/2000	9/17/2009	0.013	0.016	0.013	1.77	3/26/2003	0.239	0.188	0.208
C30	mg/l	137	129	94.2	8/28/2000	9/14/2009	0.005	0.022	0.001	0.164	6/5/2003	0.0513	0.043	0.0371
C40	mg/l	142	131	92.3	8/28/2000	8/17/2009	0.005	0.016	0.006	0.744	1/16/2007	0.0783	0.06 V	0.0862
C50	mg/l	342	180	52.6	1/3/2000	9/29/2009	0.00044	0.1	0.005	3.1	10/6/2003	0.0739	0.05 UV	0.197
M80	mg/l	113	110	97.3	3/13/2001	1/7/2009	0.013	0.016	0.008	1.51	3/26/2003	0.212	0.121	0.224
M90	mg/l	131	126	96.2	8/31/2000	9/15/2009	0.013	0.016	0.008	2.975	5/23/2001	0.221	0.119	0.327
VM50	mg/l	19	19	100	4/13/2004	7/14/2009	--	--	0.016	0.495	3/14/2006	0.0864	0.052	0.0811
T20	mg/l	32	31	96.9	4/13/2004	9/14/2009	0.03	0.03	0.012	0.498	10/18/2005	0.184	0.139 V	0.136
VM40	mg/l	25	25	100	4/13/2004	7/14/2009	--	--	0.041	0.932	12/11/2007	0.182	0.118	0.147
VM30	mg/l	26	26	100	4/13/2004	7/14/2009	--	--	0.039	0.806	12/20/2005	0.151	0.0985 V	0.13
M130	mg/l	120	119	99.2	3/14/2001	9/14/2009	0.005	0.005	0.02	0.811	12/13/2007	0.27	0.201 V	0.206
M140	mg/l	125	124	99.2	3/14/2001	9/14/2009	0.013	0.013	0.069	13.6	2/12/2004	4.03	3.33	3.2
M150	mg/l	119	119	100	3/14/2001	9/14/2009	--	--	0.404	12.6	11/21/2002; 2/12/2004	4.41	3.15	3.48
VM20	mg/l	24	24	100	7/20/2004	7/14/2009	--	--	0.589	8.28	4/14/2009	2.11	1.61 V	1.39
VM10	mg/l	18	18	100	3/14/2006	7/14/2009	--	--	0.182	7.05	4/14/2009	1.46	0.8 V	1.16
VT30	mg/l	23	15	65.2	7/20/2004	7/14/2009	0.01	0.05	0.014	1.27	5/22/2008	0.0425	0.0115	0.129
VT20	mg/l	23	23	100	7/20/2004	7/14/2009	--	--	0.33	2.32	12/20/2005	0.668	0.64	0.317
VT10	mg/l	35	35	100	7/15/2003	12/11/2007	--	--	1.51	6.09	2/13/2007	2.73	2.59	1.06
VT05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	2.62	4.6	9/25/2008	1.97	2.19 V	0.365
VM05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	0.418	4.42	11/6/2008	1.09	1.1 V	0.692

Table A-2. Summary Statistics for Nutrients (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Nitrogen, Kjeldahl</b>															
M10	mg/l	56	55	98.2	2/9/2001	9/16/2009	0.14	0.14	0.057	0.44	4/4/2003	0.134	0.107 V	0.079	
M20	mg/l	137	132	96.4	8/29/2000	9/16/2009	0.1	0.2	0.07	0.78	6/2/2003	0.156	0.13	0.0932	
C10	mg/l	116	115	99.1	8/7/2000	9/15/2009	0.2	0.2	0.07	0.49	8/14/2007	0.202	0.19 V	0.0621	
M30	mg/l	137	137	100	8/29/2000	9/16/2009	--	--	0.1	1.6	11/13/2006; 3/11/2009	0.325	0.26	0.234	
C20	mg/l	117	115	98.3	8/30/2000	9/15/2009	0.2	0.2	0.069	0.479	5/1/2001	0.226	0.213	0.0691	
M40	mg/l	131	131	100	8/29/2000	9/15/2009	--	--	0.092	0.64	8/13/2007	0.239	0.22	0.0755	
M50	mg/l	134	134	100	8/30/2000	9/15/2009	--	--	0.17	0.6	3/25/2003	0.325	0.294 V	0.101	
M60	mg/l	124	124	100	8/30/2000	9/17/2009	--	--	0.16	0.67	4/16/2002	0.303	0.28 V	0.0956	
T10	mg/l	128	123	96.1	8/31/2000	9/16/2009	0.1	0.2	0.06	0.48	5/15/2007	0.168	0.15 V	0.0775	
M70	mg/l	137	137	100	8/31/2000	9/17/2009	--	--	0.122	1.2	5/22/2002	0.287	0.26	0.126	
C30	mg/l	140	140	100	8/28/2000	9/14/2009	--	--	0.011	0.47	4/17/2003	0.236	0.22 V	0.0623	
C40	mg/l	149	148	99.3	8/28/2000	8/17/2009	0.2	0.2	0.095	0.937	6/4/2008	0.257	0.24	0.0976	
C50	mg/l	193	190	98.4	1/3/2000	9/29/2009	0.1	0.1	0.1	0.7	1/2/2001	0.244	0.23	0.0803	
M80	mg/l	113	113	100	3/13/2001	1/7/2009	--	--	0.16	0.63	3/26/2003	0.27	0.25	0.0857	
M90	mg/l	131	131	100	8/31/2000	9/15/2009	--	--	0.14	0.805	5/23/2001	0.273	0.26	0.0906	
T20	mg/l	21	21	100	1/7/2008	9/14/2009	--	--	0.14	0.4	6/12/2008	0.227	0.19	0.0844	
VM40	mg/l	1	1	100	8/11/2002	8/11/2002	--	--	0.046	0.046	8/11/2002	0.046	0.046	0	
VM30	mg/l	1	1	100	8/11/2002	8/11/2002	--	--	0.104	0.104	8/11/2002	0.104	0.104	0	
M130	mg/l	120	120	100	3/14/2001	9/14/2009	--	--	0.15	1.1	6/19/2003	0.344	0.31 V	0.16	
M140	mg/l	126	125	99.2	3/14/2001	9/14/2009	0.2	0.2	0.237	8.5	2/13/2003	1.1	0.65 V	1.26	
M150	mg/l	119	119	100	3/14/2001	9/14/2009	--	--	0.304	6.3	1/15/2004	1.07	0.61	1.09	

Table A-2. Summary Statistics for Nutrients (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Orthophosphate as P</b>															
M10	mg/l	63	13	20.6	2/9/2001	9/16/2009	0.006	0.008	0.003	0.005	11/3/2008; 4/15/2009; 5/5/2008; 8/4/2008	0.00359	0.0035 U	0.000496	
795	mg/l	14	0	0	3/14/2006	7/14/2009	0.01	0.01	--	--	--	0.005	0.005 UV	1.2E-10	
794	mg/l	18	0	0	7/20/2004	7/14/2009	0.0032632	0.01	--	--	--	0.00463	0.005 UV	0.00109	
M20	mg/l	137	56	40.9	8/29/2000	9/16/2009	0.001	0.008	0.001	0.078	4/16/2001	0.00448	0.0035 U	0.00697	
C10	mg/l	116	42	36.2	8/7/2000	9/15/2009	0.001	0.007	0.00097895	0.012	4/16/2002	0.00268	0.0035 UV	0.00183	
M30	mg/l	136	118	86.8	8/29/2000	9/16/2009	0.006	0.007	0.003	0.625	9/9/2002	0.0368	0.011 V	0.0724	
C20	mg/l	117	51	43.6	8/30/2000	9/15/2009	0.001	0.007	0.00097895	0.009	8/8/2005	0.00332	0.0035 U	0.00156	
M40	mg/l	131	56	42.7	8/29/2000	9/15/2009	0.006	0.008	0.001	0.013	11/13/2006; 2/10/2003	0.00397	0.0035 U	0.00156	
M50	mg/l	133	131	98.5	8/30/2000	9/15/2009	0.007	0.007	0.004	0.215	1/8/2009	0.0469	0.037	0.0398	
M60	mg/l	125	124	99.2	8/30/2000	9/17/2009	0.007	0.007	0.003	0.181	2/13/2008	0.0367	0.024	0.0338	
T10	mg/l	128	57	44.5	8/31/2000	9/16/2009	0.006	0.007	0.001	0.019	3/10/2009	0.00405	0.0035 UV	0.00175	
M70	mg/l	137	136	99.3	8/31/2000	9/17/2009	0.006	0.006	0.004	0.11	8/7/2002	0.0258	0.017	0.0221	
C30	mg/l	139	54	38.8	8/28/2000	9/14/2009	0.0001305	0.008	0.00032632	0.009	8/11/2005; 9/22/2005	0.00313	0.0035 U	0.00154	
C40	mg/l	147	83	56.5	8/28/2000	8/17/2009	0.001	0.008	0.00097895	0.056	1/16/2007	0.00603	0.0035 U	0.00672	
C50	mg/l	343	160	46.6	1/3/2000	9/29/2009	0.001	0.1	0.00032632	0.11	10/6/2003	0.00425	0.003 U	0.00789	
M80	mg/l	113	98	86.7	3/13/2001	1/7/2009	0.006	0.007	0.003	0.089	2/11/2008	0.0174	0.009	0.0185	
M90	mg/l	130	119	91.5	8/31/2000	9/15/2009	0.006	0.007	0.003	0.087	2/11/2008	0.0178	0.01 V	0.0173	
VM50	mg/l	18	11	61.1	4/13/2004	7/14/2009	0.0032632	0.01	0.00326316	0.71	5/22/2008	0.0547	0.01 V	0.165	
T20	mg/l	30	24	80	4/13/2004	9/14/2009	0.0032632	0.01	0.006	0.027	8/6/2008	0.0105	0.01 V	0.00578	
VM40	mg/l	25	5	20	8/11/2002	7/14/2009	0.0032632	0.01	0.00195789	0.02284211	12/15/2004	0.0059	0.005 U	0.00408	
VM30	mg/l	25	3	12	8/11/2002	7/14/2009	0.0032632	0.01	0.00097895	0.02936842	12/15/2004	0.00574	0.005 U	0.00504	
M130	mg/l	120	72	60	3/14/2001	9/14/2009	0.006	0.008	0.003	0.032	6/19/2003	0.0051	0.004 V	0.0037	
M140	mg/l	123	120	97.6	3/14/2001	9/14/2009	0.007	0.018	0.119	2.42	3/10/2009	0.853	0.617	0.697	
M150	mg/l	118	118	100	3/14/2001	9/14/2009	--	--	0.106	2.36	4/13/2009	0.906	0.514 V	0.727	
VM20	mg/l	24	24	100	7/20/2004	7/14/2009	--	--	0.07178947	1.9	4/22/2008	0.804	0.465 V	0.642	
VM10	mg/l	18	17	94.4	3/14/2006	7/14/2009	0.01	0.01	0.14	1.11	12/11/2007	0.512	0.365 V	0.347	
VT30	mg/l	22	2	9.1	7/20/2004	7/14/2009	0.0032632	0.05	0.02	0.02936842	12/15/2004	0.00755	0.005 UV	0.0072	
VT20	mg/l	22	12	54.5	7/20/2004	7/14/2009	0.01	0.05	0.00652632	0.04	6/19/2008	0.0136	0.01 V	0.0102	
VT10	mg/l	14	11	78.6	7/20/2004	12/11/2007	0.01	0.01	0.03	1.3	2/13/2007	0.158	0.07 V	0.333	
VT05	mg/l	10	9	90	4/22/2008	7/14/2009	0.01	0.01	0.01	0.19	6/9/2009	0.0965	0.115 V	0.0677	
VM05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	0.09	0.48	11/6/2008	0.219	0.195 V	0.114	

Table A-2. Summary Statistics for Nutrients (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>Total Nitrogen</b>														
M10	mg/l	93	93	100	10/12/2005	9/17/2009	--	--	0.12	0.47	5/7/2009	0.265	0.27	0.0679
795	mg/l	14	14	100	3/14/2006	7/14/2009	--	--	0.11	0.39	10/22/2007	0.229	0.215 V	0.0835
794	mg/l	19	19	100	7/20/2004	7/14/2009	--	--	0.13	1.3	4/19/2005	0.289	0.25	0.252
M20	mg/l	54	54	100	10/17/2005	9/16/2009	--	--	0.16	0.47	5/22/2008	0.289	0.275 V	0.0713
C10	mg/l	42	42	100	12/13/2005	8/12/2009	--	--	0.12	0.52	8/14/2007	0.247	0.235 V	0.065
M30	mg/l	59	59	100	10/17/2005	9/16/2009	--	--	0.23	1.9	11/13/2006	0.471	0.35	0.315
C20	mg/l	44	44	100	12/12/2005	9/15/2009	--	--	0.19	0.47	8/14/2007	0.281	0.275 V	0.0623
M40	mg/l	53	53	100	10/17/2005	9/15/2009	--	--	0.19	0.66	8/13/2007	0.295	0.27	0.0824
M50	mg/l	56	56	100	10/18/2005	9/15/2009	--	--	0.24	1.1	12/13/2005	0.556	0.51 V	0.208
M60	mg/l	48	48	100	10/18/2005	9/17/2009	--	--	0.25	1.1	1/10/2006; 12/5/2006	0.564	0.51 V	0.231
T10	mg/l	39	39	100	10/18/2005	9/16/2009	--	--	0.15	0.56	5/15/2007	0.269	0.26	0.0928
M70	mg/l	54	54	100	10/18/2005	9/17/2009	--	--	0.27	1.6	1/10/2007	0.513	0.465 V	0.225
C30	mg/l	39	39	100	10/20/2005	9/14/2009	--	--	0.2	0.43	8/16/2007	0.277	0.27	0.0489
C40	mg/l	39	39	100	10/20/2005	7/13/2009	--	--	0.2	0.46	6/10/2008	0.296	0.27	0.0662
C50	mg/l	37	37	100	10/20/2005	7/14/2009	--	--	0.2	0.43	8/16/2007	0.294	0.28	0.0556
M80	mg/l	42	42	100	10/19/2005	1/7/2009	--	--	0.23	0.94	1/11/2006; 2/11/2008	0.483	0.365 V	0.22
M90	mg/l	50	50	100	10/19/2005	9/15/2009	--	--	0.25	0.96	1/11/2007	0.458	0.36 V	0.204
VM50	mg/l	19	18	94.7	4/13/2004	7/14/2009	0.1	0.1	0.14	0.68	3/14/2006	0.319	0.3	0.141
T20	mg/l	32	32	100	4/13/2004	9/14/2009	--	--	0.18	0.69	8/6/2008	0.421	0.405 V	0.138
VM40	mg/l	25	25	100	4/13/2004	7/14/2009	--	--	0.15	1.08	4/14/2009	0.488	0.38	0.266
VM30	mg/l	25	24	96	4/13/2004	7/14/2009	0.1	0.1	0.13	0.92	12/20/2005	0.418	0.36	0.216
M130	mg/l	50	50	100	10/19/2005	9/14/2009	--	--	0.33	1.2	12/13/2007	0.63	0.585 V	0.214
M140	mg/l	56	56	100	10/21/2005	9/14/2009	--	--	1.1	11	12/13/2007; 4/11/2007	5.01	4.7 V	3.01
M150	mg/l	50	50	100	10/21/2005	9/14/2009	--	--	0.94	11	1/6/2009; 11/5/2007; 12/13/2007; 12/7/2006; 12/8/2008; 4/13/2009	5.79	5.05 V	3.75
VM20	mg/l	24	24	100	7/20/2004	7/14/2009	--	--	0.9	9.07	4/14/2009	4.43	3.33 V	2.8
VM10	mg/l	18	18	100	3/14/2006	7/14/2009	--	--	0.78	7.42	12/11/2007	3.46	2.17 V	2.29
VT30	mg/l	22	12	54.5	7/20/2004	7/14/2009	0.1	0.2	0.1	0.26	7/20/2004	0.114	0.1 V	0.0704
VT20	mg/l	23	23	100	7/20/2004	7/14/2009	--	--	0.62	2.77	12/20/2005	1.55	1.5	0.572
VT10	mg/l	14	14	100	7/20/2004	12/11/2007	--	--	2.6	6.99	2/13/2007	4.69	4.6 V	1.2
VT05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	3.7	7.48	5/12/2009	5.04	4.79 V	1.18
VM05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	0.72	5.95	11/6/2008	2.65	2.65 V	1.54

Table A-2. Summary Statistics for Nutrients (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>Total Phosphorus</b>														
M10	mg/l	63	61	96.8	2/9/2001	9/16/2009	0.008	0.008	0.003	0.022	5/7/2009	0.00729	0.006	0.00393
795	mg/l	52	7	13.5	12/18/2001	7/14/2009	0.01	0.02	0.0108	0.0354	6/21/2005	0.0107	0.01 U	0.00504
794	mg/l	57	22	38.6	12/18/2001	7/14/2009	0.01	0.02	0.006	0.223	7/24/2007	0.0246	0.01 U	0.0415
M20	mg/l	137	134	97.8	8/29/2000	9/16/2009	0.0037	0.008	0.002	0.089	6/21/2004	0.0141	0.01	0.0151
C10	mg/l	116	114	98.3	8/7/2000	9/15/2009	0.008	0.05	0.002	0.048	4/16/2002	0.0119	0.0105 V	0.00578
M30	mg/l	136	136	100	8/29/2000	9/16/2009	--	--	0.0099	0.69	9/9/2002	0.0599	0.033 V	0.0805
C20	mg/l	117	115	98.3	8/30/2000	9/15/2009	0.0037	0.0037	0.003	0.039	8/16/2004	0.017	0.016	0.00618
M40	mg/l	131	131	100	8/29/2000	9/15/2009	--	--	0.004	0.055	12/12/2000	0.0184	0.016	0.00801
M50	mg/l	133	133	100	8/30/2000	9/15/2009	--	--	0.012	0.254	1/8/2009	0.0767	0.063	0.0468
M60	mg/l	125	125	100	8/30/2000	9/17/2009	--	--	0.013	0.201	2/13/2008	0.0672	0.059	0.0368
T10	mg/l	128	126	98.4	8/31/2000	9/16/2009	0.008	0.008	0.004	0.204	3/19/2008	0.0155	0.012 V	0.0186
M70	mg/l	137	137	100	8/31/2000	9/17/2009	--	--	0.011	0.155	8/7/2002	0.0529	0.047	0.0253
C30	mg/l	140	138	98.6	8/28/2000	9/14/2009	0.008	0.04	0.005	0.053	9/22/2005	0.0174	0.016 V	0.00584
C40	mg/l	148	145	98	8/28/2000	8/17/2009	0.003	0.008	0.007	0.135	1/13/2009	0.0238	0.019 V	0.0159
C50	mg/l	341	336	98.5	1/3/2000	9/29/2009	0.005	0.019	0.005	0.102	9/4/2001	0.0207	0.018	0.0121
M80	mg/l	113	113	100	3/13/2001	1/7/2009	--	--	0.009	0.119	5/22/2002	0.041	0.036	0.0224
M90	mg/l	130	130	100	8/31/2000	9/15/2009	--	--	0.011	0.133	6/9/2004	0.0418	0.0375 V	0.0214
VM50	mg/l	19	18	94.7	4/13/2004	7/14/2009	0.02	0.02	0.02	0.783	5/22/2008	0.0964	0.046	0.173
T20	mg/l	31	30	96.8	7/20/2004	9/14/2009	0.02	0.02	0.008	0.074	7/20/2004	0.0255	0.025	0.0149
VM40	mg/l	26	17	65.4	8/11/2002	7/14/2009	0.02	0.02	0.014	0.114	4/22/2008	0.0253	0.0215 V	0.021
VM30	mg/l	27	18	66.7	8/11/2002	7/14/2009	0.02	0.02	0.000011	0.057	7/17/2008; 9/11/2008	0.0264	0.025	0.0173
M130	mg/l	120	120	100	3/14/2001	9/14/2009	--	--	0.004	0.19	6/19/2003	0.0315	0.027 V	0.0267
M140	mg/l	126	124	98.4	3/14/2001	9/14/2009	0.0037	0.004	0.0234	2.82	2/13/2003	0.968	0.692 V	0.757
M150	mg/l	119	119	100	3/14/2001	9/14/2009	--	--	0.183	2.54	2/13/2003	1	0.58	0.75
VM20	mg/l	24	24	100	7/20/2004	7/14/2009	--	--	0.137	2.04	4/14/2009	0.933	0.614 V	0.629
VM10	mg/l	18	18	100	3/14/2006	7/14/2009	--	--	0.32	1.44	4/14/2009	0.676	0.517 V	0.346
VT30	mg/l	22	4	18.2	7/20/2004	7/14/2009	0.02	0.02	0.02	0.036	7/20/2004	0.0125	0.01 UV	0.0063
VT20	mg/l	23	22	95.7	7/20/2004	7/14/2009	0.02	0.02	0.022	0.167	6/19/2008	0.0501	0.042	0.0325
VT10	mg/l	36	35	97.2	7/15/2003	12/11/2007	0.01	0.01	0.0432	1.5	2/13/2007	0.247	0.15 V	0.272
VT05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	0.082	0.408	7/17/2008	0.219	0.202 V	0.103
VM05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	0.182	0.576	11/6/2008	0.322	0.32 V	0.111

**Notes:**

<sup>a</sup> - Earliest date of available data after 9/30/1999.

<sup>b</sup> - Latest date of available data prior to 10/1/2009.

<sup>c</sup> - Median is the exact result value ranking as the 0.50 percentile in an ascending list of all results. When the ascending list of all results doesn't produce an exact match to the corresponding percentile rank, average of two adjacent results ranking closest to 0.50 percentile is the median. Such median value is always qualified with "V". It is qualified with "U" if both results ranking immediately above and below the corresponding percentile are "U" qualified, and with "J" if at least one of the results is "J" qualified.

-- data not available.

U - The material was analyzed for, but was not detected. The associated numerical value is the method detection limit.

V - Median or 95th percentile obtained through interpolation per footnote b.

Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Alkalinity</b>															
M10	mg/l	20	20	100	8/1/2003	11/3/2008	--	--	3	14	3/20/2008	7.7	7.5 V	3.08	
795	mg/l	59	58	98.3	11/27/2001	7/14/2009	10	10	2	24	9/23/2002	8.17	7	4.51	
794	mg/l	62	60	96.8	11/27/2001	7/14/2009	5	10	2	20	1/17/2006	10.2	10 V	4.87	
M20	mg/l	117	116	99.1	8/29/2000	9/16/2009	5	5	5	26	3/11/2009	13.4	13	5.4	
C10	mg/l	109	109	100	8/29/2000	9/15/2009	--	--	8	59	4/15/2003	22.1	23	7.15	
M30	mg/l	119	118	99.2	8/29/2000	9/16/2009	5	5	5	38	3/11/2009	14.8	13	6.84	
C20	mg/l	112	112	100	8/30/2000	9/15/2009	--	--	5	31	2/19/2008; 3/12/2009; 3/20/2008; 4/16/2008	19.8	21.5 V	7.27	
M40	mg/l	121	121	100	8/29/2000	9/15/2009	--	--	6	31	2/14/2008; 3/11/2009; 3/19/2008; 4/13/2009; 4/8/2008	20	21	7.05	
M50	mg/l	122	121	99.2	8/30/2000	9/15/2009	5	5	5	48	3/18/2002	20.6	22 V	7.61	
M60	mg/l	122	122	100	8/30/2000	9/17/2009	--	--	6	41	3/19/2002	21.6	22 V	7.51	
T10	mg/l	122	122	100	8/31/2000	9/16/2009	--	--	7	21	3/25/2003; 4/5/2005	14.7	15 V	3.15	
M70	mg/l	122	122	100	8/31/2000	9/17/2009	--	--	8	47	3/19/2002	20.8	21 V	6.57	
C30	mg/l	133	132	99.2	8/28/2000	9/14/2009	2	2	4	65	5/7/2007	20.9	22	8.82	
C40	mg/l	139	139	100	8/28/2000	8/17/2009	--	--	4	33	12/7/2006	20.6	22	7.32	
C50	mg/l	334	334	100	1/3/2000	9/1/2009	--	--	2	190	10/6/2003	21.7	21.8 V	13	
M80	mg/l	107	107	100	4/17/2001	1/7/2009	--	--	9	31	2/15/2007; 2/9/2005	20.9	22	6.49	
M90	mg/l	122	122	100	8/31/2000	9/15/2009	--	--	9	38	4/18/2001	21.1	22 V	6.87	
VM50	mg/l	11	11	100	7/24/2007	7/14/2009	--	--	9	30.9	4/22/2008	20.3	23.2	7.01	
T20	mg/l	23	23	100	7/24/2007	9/14/2009	--	--	63	268	10/22/2007	205	233	60.4	
VM40	mg/l	43	43	100	8/11/2002	7/14/2009	--	--	12.4	150	4/14/2009	68.5	50.5	49.5	
VM30	mg/l	81	81	100	10/31/2000	7/14/2009	--	--	19.8	186	12/17/2003	102	98	52.7	
M130	mg/l	115	115	100	4/18/2001	9/14/2009	--	--	23	221	12/11/2003	112	89	63.5	
M140	mg/l	115	115	100	4/18/2001	9/14/2009	--	--	34	181	1/14/2008	103	100	40.1	
M150	mg/l	115	115	100	4/18/2001	9/14/2009	--	--	44	258	5/6/2009	121	130	39.9	
VM20	mg/l	16	16	100	2/13/2007	7/14/2009	--	--	64.5	292	2/13/2007	131	134 V	56.8	
VM10	mg/l	16	16	100	2/13/2007	7/14/2009	--	--	118	333	5/12/2009	212	210 V	55	
VT30	mg/l	15	15	100	2/13/2007	7/14/2009	--	--	93.5	162	7/14/2009	127	128	18.2	
VT20	mg/l	15	15	100	2/13/2007	7/14/2009	--	--	130	336	5/22/2008	262	271	52.6	
VT10	mg/l	6	6	100	2/13/2007	12/11/2007	--	--	170	335	10/22/2007	272	281 V	62.1	
VT05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	182	315	9/25/2008	276	282 V	41.2	
VM05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	188	283	4/22/2008	251	263 V	31.5	

Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Chlorophyll a</b>															
M10	µg/l	22	5	22.7	1/9/2008	11/19/2009	0.6	0.6	0.8	1.34	5/7/2009; 7/7/2008	0.469	0.3 UV	0.34	
795	µg/l	3	3	100	4/14/2009	7/14/2009	--	--	0.29	1.13	7/14/2009	0.687	0.64	0.422	
794	µg/l	3	3	100	4/14/2009	7/14/2009	--	--	0.79	0.99	6/9/2009	0.863	0.81	0.11	
M20	µg/l	24	19	79.2	1/9/2008	11/18/2009	0.6	0.6	0.67	2.52	3/11/2009	1.1	1.12 V	0.614	
C10	µg/l	33	33	100	5/23/2005	11/18/2009	--	--	1.26	22.1	8/14/2007	5.12	4.1	3.92	
M30	µg/l	25	23	92	1/9/2008	11/19/2009	0.6	0.6	0.94	8.66	4/8/2008	2.08	1.7	1.62	
C20	µg/l	33	33	100	5/24/2005	11/18/2009	--	--	1.72	13.03	12/10/2008	5.21	4.41	3.13	
M40	µg/l	22	22	100	1/9/2008	11/18/2009	--	--	1.47	15.22	12/10/2008	4.37	3.41 V	3.13	
M50	µg/l	25	24	96	1/9/2008	11/19/2009	0.6	0.6	1.93	16.29	12/10/2008	5.09	4.45	3.02	
M60	µg/l	22	22	100	1/10/2008	11/16/2009	--	--	1.07	17.89	4/15/2008	4.88	4.01 V	3.71	
T10	µg/l	22	15	68.2	1/9/2008	11/16/2009	0.6	0.6	0.67	2.86	3/10/2009	1.08	0.86 V	0.792	
M70	µg/l	25	25	100	1/10/2008	11/16/2009	--	--	0.8	11.08	4/15/2008	3.13	2.89	2.17	
C30	µg/l	31	31	100	1/7/2008	11/17/2009	--	--	0.95	8.29	10/16/2008	4.5	4.42	1.97	
C40	µg/l	26	26	100	1/7/2008	11/16/2009	--	--	1.63	9.02	5/20/2009	4.13	4.14 V	1.96	
C50	µg/l	218	215	98.6	1/3/2000	11/19/2009	0.6	0.6	0.7	32.2	10/22/2001	5.4	4.6 V	3.88	
M80	µg/l	13	13	100	1/10/2008	1/7/2009	--	--	0.82	6.14	4/14/2008	3.09	2.67	1.66	
M90	µg/l	22	22	100	1/10/2008	11/16/2009	--	--	0.67	7.78	12/9/2008	2.75	2.28 V	1.66	
VM50	µg/l	3	3	100	4/14/2009	7/14/2009	--	--	1.48	3.54	5/12/2009	2.68	3.03	1.07	
T20	µg/l	22	16	72.7	1/7/2008	11/17/2009	0.6	0.6	0.71	4.59	5/5/2009	1.2	0.88 V	1.01	
VM40	µg/l	4	4	100	4/14/2009	7/14/2009	--	--	0.92	24.7	4/14/2009	7.92	3.02 V	11.2	
VM30	µg/l	4	4	100	4/14/2009	7/14/2009	--	--	1.73	3.05	5/12/2009	2.25	2.11 V	0.586	
M130	µg/l	22	21	95.5	1/14/2008	11/17/2009	0.6	0.6	0.67	6.41	9/10/2008	2.07	1.63 V	1.58	
M140	µg/l	25	24	96	1/14/2008	11/17/2009	0.6	0.6	0.95	9.68	3/10/2009	3.66	3.07	2.48	
M150	µg/l	22	22	100	1/14/2008	11/17/2009	--	--	0.74	11.61	2/12/2008	3.47	2.81 V	2.59	
VM20	µg/l	4	4	100	4/14/2009	7/14/2009	--	--	2.41	3.76	4/14/2009	3.22	3.36 V	0.601	
VM10	µg/l	4	4	100	4/14/2009	7/14/2009	--	--	2.85	7.19	4/14/2009	5.06	5.1 V	1.97	
VT30	µg/l	4	4	100	4/14/2009	7/14/2009	--	--	0.42	1.56	6/9/2009	0.973	0.955 V	0.475	
VT20	µg/l	4	4	100	4/14/2009	7/14/2009	--	--	2.07	7.22	5/12/2009	3.8	2.96 V	2.42	
VT05	µg/l	4	4	100	4/14/2009	7/14/2009	--	--	2.55	10.3	6/9/2009	6.03	5.63 V	3.41	
VM05	µg/l	4	4	100	4/14/2009	7/14/2009	--	--	2.14	10.7	6/9/2009	6.12	5.81 V	4.05	



Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Dissolved oxygen (DO)</b>															
M10	mg/l	65	65	100	2/9/2001	9/16/2009	--	--	7.4	12.3	8/1/2003	9.85	10	0.819	
795	mg/l	50	50	100	11/27/2001	10/13/2009	--	--	6.4	14.8	11/16/2004	9.19	9.2 V	1.61	
794	mg/l	56	56	100	11/27/2001	10/13/2009	--	--	2.5	11.8	1/15/2002	8.86	8.8 V	1.71	
M20	mg/l	135	135	100	8/29/2000	9/16/2009	--	--	7	14.2	2/4/2002	9.94	10	1.34	
C10	mg/l	114	114	100	8/7/2000	9/15/2009	--	--	7	11.6	5/4/2001	8.51	8.4 V	0.938	
M30	mg/l	134	134	100	8/29/2000	9/16/2009	--	--	6.8	13.9	5/21/2001	10.2	9.85 V	1.49	
C20	mg/l	114	114	100	8/30/2000	9/15/2009	--	--	6.4	13.5	5/3/2005	9.03	9.15 V	1.36	
M40	mg/l	127	127	100	8/29/2000	9/15/2009	--	--	7.1	12	1/13/2003; 3/7/2005	9.54	9.7	1.22	
M50	mg/l	132	132	100	8/30/2000	9/15/2009	--	--	6.9	13	3/12/2001	9.47	9.35 V	1.5	
M60	mg/l	123	123	100	8/30/2000	9/17/2009	--	--	7.1	14	2/5/2002	9.85	9.6	1.69	
T10	mg/l	127	127	100	8/31/2000	9/16/2009	--	--	7.1	14.6	12/4/2001	9.74	9.3	1.58	
M70	mg/l	134	134	100	8/31/2000	9/17/2009	--	--	7.5	13.9	2/5/2002	10	9.7 V	1.62	
C30	mg/l	134	134	100	8/28/2000	9/14/2009	--	--	6.17	14.1	1/8/2001	9.77	9.8 V	1.51	
C40	mg/l	146	146	100	8/28/2000	8/17/2009	--	--	5.99	14.5	1/8/2001	9.92	9.71 V	1.6	
C50	mg/l	151	151	100	6/28/2000	9/29/2009	--	--	5.97	14.39	6/9/2005	9.79	9.61	1.75	
M80	mg/l	111	111	100	3/13/2001	1/7/2009	--	--	7.5	13.9	1/5/2005	10.2	9.9	1.74	
M90	mg/l	129	129	100	8/31/2000	9/15/2009	--	--	7.3	15.1	2/9/2005	10.1	9.8	1.83	
VM50	mg/l	5	5	100	7/14/2009	11/10/2009	--	--	6.7	9.5	11/10/2009	7.74	7	1.21	
T20	mg/l	21	21	100	1/7/2008	9/14/2009	--	--	6.4	11.2	4/9/2008	8.94	9.2	1.35	
VM40	mg/l	40	40	100	4/21/2004	9/8/2009	--	--	4.4	12.4	3/14/2006	8.7	8.5 V	1.61	
VM30	mg/l	77	77	100	11/28/2000	10/13/2009	--	--	3.3	15.7	4/8/2003	9.08	9.2	1.91	
M130	mg/l	118	118	100	3/14/2001	9/14/2009	--	--	6.1	14.2	11/5/2007; 2/6/2002	9.79	9.5 V	1.61	
M140	mg/l	124	124	100	3/14/2001	9/14/2009	--	--	5.7	16.5	4/18/2001	9.41	8.9 V	2.17	
M150	mg/l	118	118	100	3/14/2001	9/14/2009	--	--	4.9	16.4	5/16/2007	9.33	8.95 V	2.41	
VM20	mg/l	12	12	100	4/22/2008	10/13/2009	--	--	6.2	9	10/13/2009	7.7	7.75 V	0.817	
VM10	mg/l	13	13	100	4/22/2008	11/10/2009	--	--	4.5	11.9	4/14/2009	8.22	7.9	1.94	
VT30	mg/l	10	10	100	4/22/2008	10/13/2009	--	--	7.1	10	4/22/2008	8.53	8.5 V	1.03	
VT20	mg/l	10	10	100	4/22/2008	10/13/2009	--	--	6.3	13.8	5/22/2008	8.95	8.35 V	2.13	
VT05	mg/l	11	11	100	4/22/2008	10/13/2009	--	--	7.2	11.2	4/22/2008	8.28	7.8	1.28	
VM05	mg/l	13	13	100	4/22/2008	11/10/2009	--	--	7.6	14.9	4/22/2008	9.8	9.2	2.11	

Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Hardness</b>															
M10	mg/l	90	90	100	10/12/2005	9/16/2009	--	--	4	12	3/20/2008; 4/29/2009	7.67	7 V	2.26	
795	mg/l	59	59	100	11/27/2001	7/14/2009	--	--	2	24	1/17/2006; 1/21/2003; 12/17/2002	11.1	10	5.41	
794	mg/l	61	61	100	11/27/2001	7/14/2009	--	--	4	24	4/15/2003	11.1	10	4.9	
M20	mg/l	68	68	100	8/29/2000	9/16/2009	--	--	5	26	3/11/2009	13	12 V	5.73	
C10	mg/l	18	18	100	8/29/2000	3/19/2002	--	--	9.5	24	2/5/2002	18.3	19 V	3.82	
M30	mg/l	68	68	100	8/29/2000	9/16/2009	--	--	5	34	3/11/2009	14.3	13 V	6.87	
C20	mg/l	18	18	100	8/30/2000	3/18/2002	--	--	8.2	24	2/4/2002	17.8	19 V	4.35	
M40	mg/l	68	68	100	8/29/2000	9/15/2009	--	--	7	30	3/11/2009	18.8	19.5 V	6.09	
M50	mg/l	69	69	100	8/30/2000	9/15/2009	--	--	7	32	3/14/2007	19.9	21	6.36	
M60	mg/l	69	69	100	8/30/2000	9/17/2009	--	--	8	37	2/14/2007	21	21	6.84	
T10	mg/l	69	69	100	8/31/2000	9/16/2009	--	--	7	19	2/15/2007; 3/15/2007; 4/10/2007	11.8	12	3.02	
M70	mg/l	70	70	100	8/31/2000	9/17/2009	--	--	8	33	2/15/2007	19.6	20 V	5.88	
C30	mg/l	61	61	100	8/28/2000	9/14/2009	--	--	7	30	12/7/2006; 3/11/2009	19.4	20	6.4	
C40	mg/l	64	64	100	8/28/2000	8/10/2009	--	--	7	30	12/7/2006	19.8	21 V	6.37	
C50	mg/l	67	67	100	8/28/2000	8/12/2009	--	--	7	31	12/8/2006	20	21	6.08	
C120	mg/l	32	32	100	8/28/2000	10/16/2008	--	--	20	39	11/6/2000	29.1	29 V	3.15	
M80	mg/l	54	54	100	4/17/2001	1/7/2009	--	--	8	33	2/15/2007	20	21 V	6.09	
M90	mg/l	68	68	100	8/31/2000	9/15/2009	--	--	7	34	2/15/2007	20.1	21.5 V	6.44	
VM50	mg/l	11	11	100	7/24/2007	7/14/2009	--	--	8.5	30	4/22/2008	19.6	21	7.38	
T20	mg/l	23	23	100	7/24/2007	9/14/2009	--	--	67	314	10/22/2007	240	270	75	
VM40	mg/l	42	42	100	3/16/2004	7/14/2009	--	--	32.1	710	12/11/2007; 4/14/2009	255	115 V	235	
VM30	mg/l	80	80	100	10/31/2000	7/14/2009	--	--	17.3	742	12/11/2007; 4/14/2009	366	407 V	251	
M130	mg/l	61	61	100	4/18/2001	9/14/2009	--	--	68	810	12/13/2007; 3/16/2007	410	400	269	
M140	mg/l	61	61	100	4/18/2001	9/14/2009	--	--	97	590	4/13/2006	334	340	156	
M150	mg/l	62	62	100	4/18/2001	9/14/2009	--	--	130	780	5/6/2009	373	420 V	141	
VM20	mg/l	15	15	100	2/13/2007	6/9/2009	--	--	148	970	2/13/2007	390	395	210	
VM10	mg/l	16	16	100	2/13/2007	7/14/2009	--	--	294	1200	5/12/2009	620	622 V	218	
VT30	mg/l	15	15	100	2/13/2007	7/14/2009	--	--	171	383	7/14/2009	274	289	55.2	
VT20	mg/l	15	15	100	2/13/2007	7/14/2009	--	--	53.9	1380	5/22/2008	1040	1050	319	
VT10	mg/l	6	6	100	2/13/2007	12/11/2007	--	--	535	1030	4/10/2007	808	831 V	225	
VT05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	565	1050	5/12/2009	822	824 V	151	
VM05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	529	847	5/12/2009	696	716 V	115	

Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>pH</b>														
M10	None	132	132	100	2/9/2001	9/17/2009	--	--	6.6	8.5	11/3/2008	7.08	7 V	0.276
795	None	58	58	100	11/27/2001	11/10/2009	--	--	6.49	9.25	1/21/2004; 10/14/2003	7.7	7.65 V	0.727
794	None	61	61	100	11/27/2001	11/10/2009	--	--	6.19	11.03	10/24/2007	7.97	7.8	0.928
M20	None	138	138	100	8/29/2000	9/16/2009	--	--	6.9	8.9	4/5/2004	7.71	7.7 V	0.378
C10	None	115	115	100	8/7/2000	9/15/2009	--	--	7	9.3	9/10/2002	7.78	7.8	0.366
M30	None	137	137	100	8/29/2000	9/16/2009	--	--	6.8	8.9	12/3/2001	7.79	7.7	0.427
C20	None	117	117	100	8/30/2000	9/15/2009	--	--	7	9.1	9/9/2002	7.78	7.7	0.375
M40	None	131	131	100	8/29/2000	9/15/2009	--	--	7.1	9.1	4/14/2003; 9/9/2002	7.82	7.8	0.406
M50	None	134	134	100	8/30/2000	9/15/2009	--	--	6.9	9.6	4/13/2009	8.08	8 V	0.538
M60	None	125	125	100	8/30/2000	9/17/2009	--	--	7	9.1	4/11/2006	7.93	7.9	0.374
T10	None	128	128	100	8/31/2000	9/16/2009	--	--	7.1	8.6	3/8/2005; 3/8/2006	7.73	7.7 V	0.287
M70	None	137	137	100	8/31/2000	9/17/2009	--	--	7.1	9.2	3/14/2007	7.83	7.8	0.394
C30	None	140	140	100	8/28/2000	9/14/2009	--	--	6.1	8.7	9/16/2004	7.77	7.75 V	0.404
C40	None	148	148	100	8/28/2000	8/17/2009	--	--	6.9	9.1	9/12/2002	7.8	7.8 V	0.371
C50	None	344	344	100	1/3/2000	9/29/2009	--	--	6.4	9	5/9/2003	7.64	7.6 V	0.35
C120	None	106	106	100	4/24/2000	10/16/2008	--	--	7.2	9	6/15/2007	7.75	7.7 V	0.262
M80	None	113	113	100	3/13/2001	1/7/2009	--	--	7	8.6	11/14/2006; 11/17/2005; 2/8/2006; 3/20/2002; 3/8/2006	7.83	7.8	0.363
M90	None	131	131	100	8/31/2000	9/15/2009	--	--	7	9	11/20/2002	7.87	7.8	0.397
VM50	None	52	52	100	10/10/2001	7/14/2009	--	--	1.9	9.3	3/11/2002; 3/14/2006	8.04	8.07 V	1.05
T20	None	51	51	100	11/18/2003	9/14/2009	--	--	6.86	9.87	2/15/2005	8.1	8.1	0.526
VM40	None	68	68	100	10/10/2001	11/10/2009	--	--	6.79	9.23	4/10/2007	8.02	8.09 V	0.554
VM30	None	87	87	100	10/31/2000	11/10/2009	--	--	6.4	11.98	10/18/2005	8.18	8.14	0.778
M130	None	120	120	100	3/14/2001	9/14/2009	--	--	6.5	8.7	10/24/2001	8.1	8.1 V	0.28
M140	None	126	126	100	3/14/2001	9/14/2009	--	--	6.9	8.8	3/10/2004; 7/18/2001	8.04	8 V	0.3
M150	None	120	120	100	3/14/2001	9/14/2009	--	--	7.1	8.8	11/7/2001; 6/14/2001	8.07	8 V	0.282
VM20	None	67	67	100	10/10/2001	11/10/2009	--	--	6.8	10.8	4/21/2004	8.05	8	0.619
VM10	None	70	70	100	10/10/2001	11/10/2009	--	--	6.2	9.45	1/17/2006	8.13	8.2 V	0.499
VT30	None	63	63	100	10/10/2001	11/10/2009	--	--	6.52	9.71	3/14/2006	8.06	8.14	0.6
VT20	None	66	66	100	10/10/2001	11/10/2009	--	--	6.28	10.81	5/22/2008	7.91	7.9 V	0.55
VT10	None	54	54	100	10/10/2001	12/11/2007	--	--	5.5	9.27	11/16/2004	8.01	8.1 V	0.561
VT05	None	13	13	100	4/22/2008	10/13/2009	--	--	7.66	8.25	4/22/2008	7.98	7.98	0.148
VM05	None	14	14	100	4/22/2008	11/10/2009	--	--	7.65	8.78	4/22/2008	7.95	7.93 V	0.291

Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>Specific conductance</b>														
M10	µS/cm	135	135	100	2/9/2001	9/17/2009	--	--	13	61	4/4/2003	22.4	21	7.33
795	µS/cm	49	49	100	11/27/2001	11/10/2009	--	--	0.04	39.3	4/15/2003	22.9	24.7	9.13
794	µS/cm	52	52	100	11/27/2001	11/10/2009	--	--	0.05	63	2/13/2007	29.7	30.3 V	13.9
M20	µS/cm	138	138	100	8/29/2000	9/16/2009	--	--	14	134	12/8/2003	39.1	34 V	19.4
C10	µS/cm	115	115	100	8/7/2000	9/15/2009	--	--	20	133	4/15/2003	51	50	15.4
M30	µS/cm	137	137	100	8/29/2000	9/16/2009	--	--	16	133	12/8/2003	46.6	40	24.9
C20	µS/cm	117	117	100	8/30/2000	9/15/2009	--	--	20	110	4/14/2003	49.5	50	16.9
M40	µS/cm	131	131	100	8/29/2000	9/15/2009	--	--	9.6	108	4/14/2003	49.5	51	17.1
M50	µS/cm	134	134	100	8/30/2000	9/15/2009	--	--	22	125	4/15/2003	57.9	59 V	20.3
M60	µS/cm	125	125	100	8/30/2000	9/17/2009	--	--	24	166	3/25/2003	63.8	64	23.3
T10	µS/cm	128	128	100	8/31/2000	9/16/2009	--	--	21	112	3/25/2003	40.1	40 V	11.8
M70	µS/cm	137	137	100	8/31/2000	9/17/2009	--	--	24	152	3/26/2003	58.3	57	21
C30	µS/cm	140	140	100	8/28/2000	9/14/2009	--	--	21	108	5/9/2003	52.9	54 V	17.3
C40	µS/cm	149	149	100	8/28/2000	8/17/2009	--	--	23	108	5/9/2003	54.2	54	18.1
C50	µS/cm	297	297	100	1/3/2000	9/29/2009	--	--	23	700	10/6/2003	57.7	54.2	49.8
C120	µS/cm	101	101	100	4/24/2000	10/16/2008	--	--	40.9	103	6/9/2005	70.2	69	8.98
M80	µS/cm	113	113	100	3/13/2001	1/7/2009	--	--	27	141	3/26/2003	60.4	60	22.2
M90	µS/cm	131	131	100	8/31/2000	9/15/2009	--	--	23	151	3/26/2003	59.7	60	22.4
VM50	µS/cm	4	4	100	7/14/2009	11/10/2009	--	--	24	51	10/13/2009; 11/10/2009; 9/8/2009	44.3	51 V	13.5
T20	µS/cm	21	21	100	1/7/2008	9/14/2009	--	--	165	630	11/3/2008	490	572	146
VM40	µS/cm	15	15	100	7/9/2002	11/10/2009	--	--	0.203	3016	4/22/2008	593	278	789
VM30	µS/cm	15	15	100	8/11/2002	11/10/2009	--	--	118	1474	4/14/2009	539	333	479
M130	µS/cm	120	120	100	3/14/2001	9/14/2009	--	--	128	1970	12/13/2007	869	777 V	548
M140	µS/cm	126	126	100	3/14/2001	9/14/2009	--	--	251	1460	3/27/2003	806	723 V	380
M150	µS/cm	120	120	100	3/14/2001	9/14/2009	--	--	305	1740	5/6/2009	913	967 V	353
VM20	µS/cm	14	14	100	4/22/2008	11/10/2009	--	--	440	1317	11/10/2009	869	892 V	320
VM10	µS/cm	14	14	100	4/22/2008	11/10/2009	--	--	738	2283	5/12/2009	1360	1380 V	411
VT30	µS/cm	13	13	100	4/22/2008	11/10/2009	--	--	235	1755	6/9/2009	647	607	362
VT20	µS/cm	14	14	100	4/22/2008	11/10/2009	--	--	656	2874	4/14/2009	2150	2280 V	627
VT05	µS/cm	14	14	100	4/22/2008	11/10/2009	--	--	1336	2335	4/14/2009	1840	1770 V	302
VM05	µS/cm	14	14	100	4/22/2008	11/10/2009	--	--	1240	1769	4/14/2009	1550	1610 V	195

Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>TDS</b>														
M10	mg/l	20	19	95	1/9/2008	9/16/2009	10	10	12	47	5/5/2008	23.5	21.5 V	10.5
795	mg/l	38	38	100	11/27/2001	2/13/2007	--	--	0.03	20.8	4/15/2003	11.5	12.2 V	4.49
794	mg/l	41	41	100	11/27/2001	2/13/2007	--	--	0.02	31.2	2/13/2007	13.9	13.1	7.21
M20	mg/l	114	112	98.2	2/12/2001	9/16/2009	10	10	11	95	12/8/2003	32.9	31 V	14.7
C10	mg/l	103	103	100	2/13/2001	9/15/2009	--	--	12	79	4/15/2003	39.2	39	10.9
M30	mg/l	115	114	99.1	2/12/2001	9/16/2009	10	10	11	75	12/8/2003	35.5	34	15.5
C20	mg/l	105	105	100	2/12/2001	9/15/2009	--	--	13	70	5/5/2003	38	40	11.4
M40	mg/l	115	114	99.1	2/12/2001	9/15/2009	10	10	12	73	5/5/2003	37.3	38	12.1
M50	mg/l	114	114	100	2/12/2001	9/15/2009	--	--	15	80	4/15/2003	42.9	44 V	13.4
M60	mg/l	115	115	100	1/10/2001	9/17/2009	--	--	18	112	3/25/2003	45	46	14.7
T10	mg/l	114	114	100	1/10/2001	9/16/2009	--	--	11	110	6/20/2006	35.9	34 V	12.3
M70	mg/l	115	115	100	2/13/2001	9/17/2009	--	--	19	101	3/26/2003	44.1	44	13.6
C30	mg/l	124	123	99.2	2/14/2001	9/14/2009	10	10	10	65	5/9/2003	37.1	36 V	11.5
C40	mg/l	129	129	100	2/14/2001	8/10/2009	--	--	10	73	5/17/2007	39.6	40	11.9
C50	mg/l	185	185	100	1/18/2000	8/12/2009	--	--	14	450	10/6/2003	42.3	40	35.3
C120	mg/l	58	58	100	4/19/2001	10/16/2008	--	--	18	64	6/9/2005	47	48 V	8.14
M80	mg/l	106	106	100	4/17/2001	1/7/2009	--	--	12	93	3/26/2003	42.5	42 V	14.1
M90	mg/l	114	114	100	2/13/2001	9/15/2009	--	--	10	97	3/26/2003	43	43 V	14.1
T20	mg/l	20	20	100	1/7/2008	9/14/2009	--	--	127	410	11/3/2008	318	372 V	92
VM40	mg/l	2	2	100	7/9/2002	8/11/2002	--	--	102	174	8/11/2002	138	138 V	50.9
VM30	mg/l	1	1	100	8/11/2002	8/11/2002	--	--	190	190	8/11/2002	190	190	0
M130	mg/l	115	115	100	4/18/2001	9/14/2009	--	--	90	1530	12/13/2007	654	490	464
M140	mg/l	115	115	100	4/18/2001	9/14/2009	--	--	163	1140	12/9/2004	589	550	301
M150	mg/l	115	115	100	4/18/2001	9/14/2009	--	--	199	1410	5/6/2009	665	687	284

Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>Temperature</b>														
M10	°C	145	145	100	2/9/2001	9/17/2009	--	--	0	18	7/17/2007	6.85	6.5	5.24
795	°C	58	58	100	11/27/2001	11/10/2009	--	--	0	14.4	8/20/2003	5.03	3.6 V	4.72
794	°C	60	60	100	11/27/2001	11/10/2009	--	--	0	14	7/15/2003	4.86	3.58 V	4.42
M20	°C	138	138	100	8/29/2000	9/16/2009	--	--	0	16.6	8/8/2002	5.79	5.5 V	4.75
C10	°C	115	115	100	8/7/2000	9/15/2009	--	--	1	19	7/23/2002	8.19	6.3	5.53
M30	°C	137	137	100	8/29/2000	9/16/2009	--	--	0	17	8/5/2002	6.4	6.2	4.76
C20	°C	117	117	100	8/30/2000	9/15/2009	--	--	1	19	7/22/2002	8.52	8	5.58
M40	°C	131	131	100	8/29/2000	9/15/2009	--	--	1	19	7/22/2002; 8/11/2003	8.71	8.5	5.54
M50	°C	134	134	100	8/30/2000	9/15/2009	--	--	0	28	7/9/2002	9	8.8 V	6.02
M60	°C	125	125	100	8/30/2000	9/17/2009	--	--	0	20	8/12/2003	8.43	8.5	6.44
T10	°C	127	127	100	8/31/2000	9/16/2009	--	--	0	20	8/6/2002	8.18	8.5	5.94
M70	°C	137	137	100	8/31/2000	9/17/2009	--	--	0	20.6	8/14/2007	8.94	9	6.01
C30	°C	140	140	100	8/28/2000	9/14/2009	--	--	1.21	20.5	7/25/2002	10.1	10.5 V	5.93
C40	°C	147	147	100	8/28/2000	8/17/2009	--	--	0.03	21	7/25/2002	10.2	10.2	5.86
C50	°C	339	339	100	1/3/2000	9/29/2009	--	--	0	28	7/15/2002	10.1	10	6.48
C120	°C	101	101	100	4/24/2000	10/16/2008	--	--	5	27.5	7/22/2002	14.1	13	5.11
M80	°C	113	113	100	3/13/2001	1/7/2009	--	--	0	19.5	8/5/2008; 8/7/2002	8.87	9.5	6.38
M90	°C	131	131	100	8/31/2000	9/15/2009	--	--	0	20.5	7/24/2002; 8/7/2002	9.41	10	6.63
VM50	°C	55	55	100	10/10/2001	11/10/2009	--	--	0.3	19.8	7/9/2002	8.69	8	6.66
T20	°C	52	52	100	11/18/2003	9/14/2009	--	--	0.9	18.9	7/9/2008	10.1	11.4 V	5.59
VM40	°C	91	91	100	10/10/2001	11/10/2009	--	--	0.5	25.6	7/12/2002; 7/15/2002	12.9	12.9	7.27
VM30	°C	111	111	100	11/28/2000	11/10/2009	--	--	0.2	25.38	7/12/2002; 7/15/2002	12.9	11.9	7.14
M130	°C	120	120	100	3/14/2001	9/14/2009	--	--	0.5	23	7/10/2002; 8/13/2003	12	12.9 V	6.35
M140	°C	126	126	100	3/14/2001	9/14/2009	--	--	1.5	24.5	7/18/2001	13	13.4 V	5.69
M150	°C	120	120	100	3/14/2001	9/14/2009	--	--	0	23.6	8/15/2007	12	12.5 V	6.12
VM20	°C	67	67	100	10/10/2001	11/10/2009	--	--	1.3	25.9	7/9/2002	11.9	11.5	6.35
VM10	°C	70	70	100	10/10/2001	11/10/2009	--	--	0.1	25.4	7/18/2005	11.8	12 V	7.28
VT30	°C	64	64	100	10/10/2001	11/10/2009	--	--	0.5	22	7/9/2002	9.61	9.65 V	6.06
VT20	°C	67	67	100	10/10/2001	11/10/2009	--	--	1.1	23.3	7/18/2005	9.84	9.2	5.91
VT10	°C	56	56	100	10/10/2001	12/11/2007	--	--	0.8	22.7	7/18/2005	11	10.7 V	6.23
VT05	°C	14	14	100	4/22/2008	11/10/2009	--	--	7.19	19.2	7/17/2008	13.4	14.5 V	4.07
VM05	°C	14	14	100	4/22/2008	11/10/2009	--	--	6.6	20.3	7/17/2008	14.6	15.4 V	4.62

Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>TOC</b>															
M10	mg/l	22	22	100	1/9/2008	11/19/2009	--	--	1.7	13.8	5/7/2009	3.29	1.9 V	2.91	
795	mg/l	15	15	100	7/19/2005	7/14/2009	--	--	1.36	9.69	5/22/2008	3.4	1.96	2.6	
794	mg/l	19	19	100	7/20/2004	7/14/2009	--	--	1.22	7.48	5/22/2008	2.64	1.57	1.83	
M20	mg/l	122	122	100	8/29/2000	11/18/2009	--	--	1	8.9	5/5/2009	2.84	2 V	1.87	
C10	mg/l	111	111	100	8/29/2000	11/18/2009	--	--	2	5.4	6/10/2009	3.56	3.5	0.634	
M30	mg/l	124	124	100	8/29/2000	11/19/2009	--	--	1.5	9.16	5/19/2003	3.05	2.2 V	1.72	
C20	mg/l	113	113	100	8/30/2000	11/18/2009	--	--	2.44	8.9	6/6/2005	3.75	3.5	1.23	
M40	mg/l	120	120	100	8/29/2000	11/18/2009	--	--	1.8	8.83	5/23/2005	3.68	3.4 V	1.17	
M50	mg/l	124	124	100	8/30/2000	11/19/2009	--	--	2.23	8.52	5/20/2003	3.89	3.7 V	1.12	
M60	mg/l	120	120	100	8/30/2000	11/16/2009	--	--	2.44	9.5	6/7/2005	4.01	3.62 V	1.38	
T10	mg/l	112	112	100	8/31/2000	11/16/2009	--	--	1	9.6	6/7/2005	3.12	2.5 V	1.86	
M70	mg/l	124	123	99.2	8/31/2000	11/16/2009	3.4	3.4	1.9	9.6	6/8/2005	3.94	3.4 V	1.57	
C30	mg/l	132	132	100	8/28/2000	11/17/2009	--	--	1.76	9	6/9/2005	3.8	3.6 V	1.1	
C40	mg/l	138	138	100	8/28/2000	11/16/2009	--	--	1.7	8.5	6/9/2005	3.98	3.6 V	1.31	
C50	mg/l	339	338	99.7	1/3/2000	11/19/2009	0.4	0.4	1.3	10.26	5/30/2000	3.51	3.3	1.15	
C120	mg/l	106	106	100	4/24/2000	10/16/2008	--	--	2	4.79	6/10/2002	3.01	3.03 V	0.429	
M80	mg/l	104	104	100	4/17/2001	1/7/2009	--	--	2	9.5	6/8/2005	3.87	3.4 V	1.39	
M90	mg/l	116	116	100	8/31/2000	11/16/2009	--	--	2	9.6	6/8/2005	3.92	3.5 V	1.42	
VM50	mg/l	19	19	100	4/13/2004	7/14/2009	--	--	2.1	6.04	5/22/2008	3.52	3.09	1.03	
T20	mg/l	33	33	100	4/13/2004	11/17/2009	--	--	1.8	9.71	6/12/2008	3.43	3.03	1.66	
VM40	mg/l	26	26	100	8/11/2002	7/14/2009	--	--	1.81	5.64	5/22/2008	3.25	3.05 V	1.07	
VM30	mg/l	26	26	100	8/11/2002	7/14/2009	--	--	1.84	5.86	5/22/2008	3.39	3.14 V	1	
M130	mg/l	111	111	100	4/18/2001	11/17/2009	--	--	0.04	9.3	6/8/2005	4.08	4	1.27	
M140	mg/l	115	115	100	4/18/2001	11/17/2009	--	--	1.6	10.75	2/12/2004	5.87	5.6	1.75	
M150	mg/l	114	114	100	4/18/2001	11/17/2009	--	--	2.01	9.75	5/8/2003	5.89	5.66 V	1.51	
VM20	mg/l	24	24	100	7/20/2004	7/14/2009	--	--	3.5	6.91	11/6/2008	5.04	5.11 V	1	
VM10	mg/l	19	19	100	7/19/2005	7/14/2009	--	--	3.8	7.36	5/12/2009	5.35	5.42	0.734	
VT30	mg/l	23	23	100	7/20/2004	7/14/2009	--	--	1.54	4.94	5/12/2009	2.87	2.8	1.04	
VT20	mg/l	23	23	100	7/20/2004	7/14/2009	--	--	2.93	5.36	6/9/2009	4.11	4.25	0.723	
VT10	mg/l	14	14	100	7/20/2004	12/11/2007	--	--	3.13	6	4/19/2005	4.69	4.87 V	0.804	
VT05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	4.09	5.88	5/12/2009	5.13	5.15 V	0.604	
VM05	mg/l	10	10	100	4/22/2008	7/14/2009	--	--	2.99	5.54	11/6/2008	4.36	4.32 V	0.812	
<b>TSS</b>															
795	mg/l	40	6	15	12/18/2001	1/17/2006	4	5	4	11.5	5/17/2005	3.3	2.5 UV	2.38	
794	mg/l	43	9	20.9	12/18/2001	1/17/2006	4	5	2	29	11/19/2002	3.41	2.5 U	4.12	
C10	mg/l	30	0	0	1/9/2006	8/12/2009	5	5	-- --		--	2.5	2.5 UV	0	
C20	mg/l	29	1	3.4	1/10/2006	8/12/2009	5	5	10	10	5/14/2007	2.76	2.5 U	1.39	
C30	mg/l	30	10	33.3	5/5/2005	8/17/2009	5	20	2	8	6/20/2006; 6/5/2007	3.62	2.5 UV	2.13	
C40	mg/l	28	16	57.1	5/3/2005	8/17/2009	5	5	3	29	6/4/2008	6.46	4 V	6.46	
C50	mg/l	38	15	39.5	5/18/2000	9/1/2009	0.9	10	1	10	5/18/2000	3.29	2.5 UV	2.06	
VM30	mg/l	2	2	100	5/9/2006	11/14/2006	--	--	4.1	6.85	5/9/2006	5.48	5.48 V	1.94	
VT10	mg/l	26	26	100	7/15/2003	11/15/2005	--	--	7.35	299	7/15/2003	60.3	23.4 V	78.7	

Table A-3. Summary Statistics for Physical Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations		
												Mean	Median <sup>c</sup>	St Dev
<b>Turbidity</b>														
M10	NTU	26	20	76.9	5/10/2001	9/16/2009	2	2	0.3	4	5/7/2009	1.32	1.1 V	0.824
M20	NTU	116	76	65.5	10/4/2000	9/16/2009	0.2	2	0.2	52	3/12/2007	2.87	1.25 V	5.78
C10	NTU	108	56	51.9	10/4/2000	9/15/2009	0.2	2	0.2	6.7	8/14/2007	1.2	0.6 V	1.1
M30	NTU	116	87	75	10/4/2000	9/16/2009	0.2	2	0.2	14	3/17/2003	2.43	1.5 V	2.51
C20	NTU	112	80	71.4	9/12/2000	9/15/2009	0.2	2	0.2	6.3	6/2/2003	1.87	1.6 V	1.28
M40	NTU	116	90	77.6	10/4/2000	9/15/2009	0.2	2	0.2	9.5	11/17/2003	2.02	1.7 V	1.52
M50	NTU	116	94	81	9/13/2000	9/15/2009	0.2	2	0.2	8.6	11/18/2003	2.08	1.8 V	1.48
M60	NTU	117	80	68.4	8/30/2000	9/17/2009	0.2	2	0.2	14	5/24/2005	2.16	1.3	2.01
T10	NTU	117	74	63.2	8/31/2000	9/16/2009	0.2	2	0.2	10	5/15/2007; 8/8/2006	1.9	1.1	1.67
M70	NTU	118	89	75.4	8/31/2000	9/17/2009	0.2	2	0.2	11	5/22/2002	2.28	1.95 V	1.76
C30	NTU	110	90	81.8	10/24/2000	9/14/2009	0.2	2	0.4	13	7/29/2004	2.33	2.05 V	1.59
C40	NTU	114	89	78.1	10/24/2000	8/17/2009	0.2	2	0.2	18	7/29/2004	2.3	2 V	2
C50	NTU	309	281	90.9	1/3/2000	9/29/2009	0.2	2	0.06	45	11/20/2000	2.14	1.7	2.78
C120	NTU	107	95	88.8	4/24/2000	10/16/2008	0.2	2	1.7	34	7/29/2002	7.09	4.2	7
M80	NTU	103	74	71.8	4/17/2001	1/7/2009	1	2	0.2	11	10/9/2002	2.52	2	1.85
M90	NTU	118	89	75.4	8/31/2000	9/15/2009	0.2	2	0.2	9.8	5/22/2002	2.34	2 V	1.77
T20	NTU	21	12	57.1	1/7/2008	9/14/2009	2	2	1.2	10	5/5/2009	2.27	1.4	2.33
VM40	NTU	5	5	100	8/11/2002	8/24/2006	--	--	10.2	100	8/24/2006	80.9	98	39.5
VM30	NTU	5	5	100	8/11/2002	8/24/2006	--	--	41.2	99.7	8/10/2006	87.3	98.7	25.8
M130	NTU	110	94	85.5	4/18/2001	9/14/2009	2	2	0.25	70	6/19/2003	7.92	4 V	10.6
M140	NTU	110	98	89.1	4/18/2001	9/14/2009	2	2	1	540	10/10/2002	12.6	4.15 V	51.7
M150	NTU	111	100	90.1	4/18/2001	9/14/2009	2	2	1	79	6/19/2003; 8/8/2002	7.66	3.5	12

**Notes:**

<sup>a</sup> - Earliest date of available data after 9/30/1999.

<sup>b</sup> - Latest date of available data prior to 10/1/2009.

<sup>c</sup> - Median is the exact result value ranking as the 0.50 percentile in an ascending list of all results. When the ascending list of all results doesn't produce an exact match to the corresponding percentile rank, average of two adjacent results ranking closest to 0.50 percentile is the median. Such median value is always qualified with "V". It is qualified with "U" if both results ranking immediately above and below the corresponding percentile are "U" qualified, and with "J" if at least one of the results is "J" qualified.

-- data not available.

U - The material was analyzed for, but was not detected. The associated numerical value is the method detection limit.

V - Median or 95th percentile obtained through interpolation per footnote b.



Table A-4. Summary Statistics for Microbiological Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Escherichia coli</b>															
M10	cfu/100ml	22	22	100	1/9/2008	11/19/2009	--	--	0	43	9/16/2009	11.1	6 V	12.6	
795	cfu/100ml	11	9	81.8	1/17/2006	7/14/2009	1	1	1	110	7/24/2007	15.9	5	32.1	
794	cfu/100ml	40	37	92.5	11/27/2001	7/14/2009	1	1	1	160	6/21/2005	14.7	4 V	29.8	
M20	cfu/100ml	128	128	100	8/29/2000	11/18/2009	--	--	0	700	6/20/2005	56.1	20 V	105	
C10	cfu/100ml	115	115	100	8/29/2000	11/18/2009	--	--	0	270	12/10/2002	2.81	0	25.3	
M30	cfu/100ml	129	129	100	8/29/2000	11/19/2009	--	--	0	2420	7/13/2009	84.3	23	237	
C20	cfu/100ml	107	107	100	8/30/2000	12/10/2008	--	--	0	1280	6/20/2005	28.5	0	130	
M40	cfu/100ml	128	128	100	8/29/2000	11/18/2009	--	--	0	1380	6/20/2005	28.2	2 V	125	
M50	cfu/100ml	127	127	100	8/30/2000	11/19/2009	--	--	0	420	6/21/2005	20.4	2	53.9	
M60	cfu/100ml	128	128	100	8/30/2000	11/16/2009	--	--	0	330	7/11/2006	14.7	0 V	42.1	
T10	cfu/100ml	127	127	100	8/31/2000	11/16/2009	--	--	0	1314	6/9/2009	67	10	175	
M70	cfu/100ml	127	127	100	8/31/2000	11/16/2009	--	--	0	380	9/15/2004	23.9	1	50	
C30	cfu/100ml	107	107	100	8/28/2000	12/9/2008	--	--	0	1900	7/10/2003	32.3	0	185	
C40	cfu/100ml	112	112	100	8/28/2000	12/9/2008	--	--	0	270	8/11/2005	11.2	0 V	29.6	
C50	cfu/100ml	300	300	100	1/3/2000	1/6/2009	--	--	0	300	9/8/2003	14.8	1 V	37.1	
M80	cfu/100ml	112	112	100	3/13/2001	1/8/2009	--	--	0	1370	10/6/2004	39	6 V	136	
M90	cfu/100ml	127	127	100	8/31/2000	11/16/2009	--	--	0	180	6/22/2005	20.1	0	35.9	
VM50	cfu/100ml	49	49	100	8/29/2001	7/14/2009	--	--	1	400	9/14/2004	42	20	78.5	
T20	cfu/100ml	47	47	100	11/18/2003	11/17/2009	--	--	2	3080	8/6/2008	319	44	623	
VM40	cfu/100ml	58	58	100	8/29/2001	7/14/2009	--	--	1	5100	6/21/2005	200	27 V	793	
VM30	cfu/100ml	57	57	100	8/29/2001	7/14/2009	--	--	1	1700	8/20/2003	84.7	28	233	
M130	cfu/100ml	120	120	100	3/14/2001	11/17/2009	--	--	0	1800	10/19/2005	117	56 V	228	
M140	cfu/100ml	121	121	100	3/14/2001	11/17/2009	--	--	0	2030	7/10/2003	185	90	324	
M150	cfu/100ml	121	121	100	3/14/2001	11/17/2009	--	--	0	3000	7/10/2003	182	70	357	
VM20	cfu/100ml	51	51	100	2/12/2002	7/14/2009	--	--	13	2690	2/12/2002	267	179	381	
VM10	cfu/100ml	15	15	100	1/17/2006	7/14/2009	--	--	6	1600	7/17/2008	453	370	453	
VT30	cfu/100ml	54	54	100	8/29/2001	7/14/2009	--	--	1	1120	5/20/2003	73.5	30.5 V	167	
VT20	cfu/100ml	57	57	100	8/29/2001	7/14/2009	--	--	1	16000	6/17/2003	762	160	2410	
VT10	cfu/100ml	52	52	100	8/29/2001	12/11/2007	--	--	2	2500	4/19/2005	301	108 V	449	
VT05	cfu/100ml	7	7	100	4/22/2008	7/14/2009	--	--	9	770	7/17/2008	335	310	320	
VM05	cfu/100ml	7	7	100	4/22/2008	7/14/2009	--	--	6	920	7/17/2008	324	150	347	

Table A-4. Summary Statistics for Microbiological Parameters (WY2000-2009).

Location	Units	# Analyzed	# Detected	% Detected	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Min DL	Max DL	Minimum Detected	Maximum Detected	Date of Max Detected Value	Detected and Nondetected at half DL Concentrations			
												Mean	Median <sup>c</sup>	St Dev	
<b>Total Coliform</b>															
M10	cfu/100ml	22	22	100	1/9/2008	11/19/2009	--	--	5	1045	9/16/2009	230	114 V	273	
795	cfu/100ml	11	11	100	1/17/2006	7/14/2009	--	--	39	650	7/24/2007	254	220	203	
794	cfu/100ml	46	46	100	11/27/2001	7/14/2009	--	--	29	2400	10/22/2007; 8/20/2003	338	98 V	560	
M20	cfu/100ml	126	126	100	9/12/2000	11/18/2009	--	--	0	9678	9/16/2009	537	224 V	987	
C10	cfu/100ml	114	114	100	8/29/2000	11/18/2009	--	--	0	8000	6/12/2001	197	15 V	819	
M30	cfu/100ml	128	128	100	8/29/2000	11/19/2009	--	--	0	17329	9/16/2009	682	270 V	1650	
C20	cfu/100ml	107	107	100	8/30/2000	12/10/2008	--	--	0	3720	9/19/2005	332	70	564	
M40	cfu/100ml	127	127	100	8/29/2000	11/18/2009	--	--	0	3320	9/19/2005	322	80	537	
M50	cfu/100ml	126	126	100	8/30/2000	11/19/2009	--	--	0	2420	8/10/2009	491	205 V	598	
M60	cfu/100ml	127	127	100	8/30/2000	11/16/2009	--	--	0	3922	8/11/2009	677	276	850	
T10	cfu/100ml	125	125	100	9/13/2000	11/16/2009	--	--	0	12262	9/16/2009	721	260	1280	
M70	cfu/100ml	126	126	100	9/13/2000	11/16/2009	--	--	0	5500	7/10/2002	749	293 V	983	
C30	cfu/100ml	107	107	100	8/28/2000	12/9/2008	--	--	0	4800	4/18/2002	302	70	682	
C40	cfu/100ml	112	112	100	8/28/2000	12/9/2008	--	--	0	2600	9/13/2007	359	105 V	521	
C50	cfu/100ml	302	302	100	1/3/2000	1/6/2009	--	--	0	30100	7/2/2001	1010	217 V	2750	
M80	cfu/100ml	112	112	100	3/13/2001	1/8/2009	--	--	0	3840	9/15/2004	621	325 V	703	
M90	cfu/100ml	127	127	100	8/31/2000	11/16/2009	--	--	0	4884	10/5/2009	594	276	823	
VM50	cfu/100ml	54	54	100	8/29/2001	7/14/2009	--	--	49	14000	9/14/2004	1160	388 V	2150	
T20	cfu/100ml	47	47	100	11/18/2003	11/17/2009	--	--	86	6867	9/14/2009	1740	1100	1640	
VM40	cfu/100ml	59	59	100	8/29/2001	7/14/2009	--	--	83	87000	8/20/2003	4100	920	14200	
VM30	cfu/100ml	59	59	100	8/29/2001	7/14/2009	--	--	78	73000	8/20/2003	3400	819	10100	
M130	cfu/100ml	120	120	100	3/14/2001	11/17/2009	--	--	0	14400	8/1/2001	1640	1020 V	1940	
M140	cfu/100ml	121	121	100	3/14/2001	11/17/2009	--	--	0	17200	4/17/2002	2640	1920	2680	
M150	cfu/100ml	121	121	100	3/14/2001	11/17/2009	--	--	0	25994	9/14/2009	2770	1820	3630	
VM20	cfu/100ml	52	52	100	1/8/2002	7/14/2009	--	--	690	65000	8/14/2007	8580	3490 V	13400	
VM10	cfu/100ml	15	15	100	1/17/2006	7/14/2009	--	--	280	55000	8/14/2007	9590	2000	15800	
VT30	cfu/100ml	56	56	100	8/29/2001	7/14/2009	--	--	134	5210	5/20/2003	1420	1110 V	1270	
VT20	cfu/100ml	58	58	100	8/29/2001	7/14/2009	--	--	148	242000	7/9/2002	15800	2110 V	45200	
VT10	cfu/100ml	52	52	100	8/29/2001	12/11/2007	--	--	720	242000	8/29/2001	21800	5700 V	41900	
VT05	cfu/100ml	7	7	100	4/22/2008	7/14/2009	--	--	640	48000	7/14/2009	12400	2420 >	18500	
VM05	cfu/100ml	7	7	100	4/22/2008	7/14/2009	--	--	290	26000	7/14/2009	5910	2420 >	9310	

**Notes:**

<sup>a</sup> - Earliest date of available data after 9/30/1999.

<sup>b</sup> - Latest date of available data prior to 10/1/2009.

<sup>c</sup> - Median is the exact result value ranking as the 0.50 percentile in an ascending list of all results. When the ascending list of all results doesn't produce an exact match to the corresponding percentile rank, average of two adjacent results ranking closest to 0.50 percentile is the median. Such median value is always qualified with "V". It is qualified with "U" if both results ranking immediately above and below the corresponding percentile are "U" qualified, and with "J" if at least one of the results is "J" qualified.

-- data not available.

> - The associated numerical value is above the upper quantitation limit.

U - The material was analyzed for, but was not detected. The associated numerical value is the method detection limit.

V - Median or 95th percentile obtained through interpolation per footnote b.

Table A-5. Summary Statistics for Flow Rates(WY2000-2009).

Location	Units	# Measurements	Earliest Sample Date <sup>a</sup>	Latest Sample Date <sup>b</sup>	Minimum Value	Maximum Value	Date of Max Value	Detected and Nondetected at half DL Concentrations		
								Mean	Median <sup>c</sup>	St Dev
M10	cfs	99	2/9/2001	9/16/2009	2	282	5/23/2006	52.6	23	61.4
M20	cfs	2807	10/1/1999	9/16/2009	4.0	1291	5/30/2003	93.5	31	144
C10	cfs	4015	10/1/1999	9/27/2010	0	570	6/19/2006	328	398	200
M30	cfs	137	8/29/2000	9/16/2009	5	1060	6/2/2003	148	56	193
C20	cfs	4015	10/1/1999	9/27/2010	0	594	8/7/2006	353	429	191
M40	cfs	2800	10/1/1999	9/15/2009	14	896	5/30/2003	82.9	48.5 V	90.9
M50	cfs	133	8/30/2000	9/15/2009	18	571	6/3/2003	120	94	117
M60	cfs	124	8/30/2000	9/17/2009	16	695	6/3/2003	107	83 V	111
T10	cfs	128	8/31/2000	9/16/2009	3	540	9/11/2001	33	16 V	55.4
M70	cfs	135	8/31/2000	9/17/2009	13	803	6/4/2003	151	124	135
C30	cfs	2629	5/10/2002	9/30/2009	0.1	717	6/6/2006	237.56	196.18	174.6
C40	cfs	2733	1/1/2002	9/30/2009	0	519	12/31/2003	177.58	127.15	148
C50	cfs	4015	10/1/1999	9/27/2010	0	576	1/16/2004	157	105	149
M80	cfs	112	3/13/2001	1/7/2009	8	1030	6/4/2003	180	144 V	177
M90	cfs	130	8/31/2000	9/15/2009	14	1070	6/4/2003	181	148 V	170
T20	cfs	21	1/7/2008	9/14/2009	1	34	5/5/2009	6.19	2	10.2
VM40	cfs	5	7/26/2006	8/24/2006	109	176	8/3/2006	137	134	25.5
M130	cfs	120	3/14/2001	9/14/2009	2	222	8/19/2004	44.4	26 V	46.5
M140	cfs	126	3/14/2001	9/14/2009	7	253	8/19/2004	59.3	43.5 V	49.1
M150	cfs	120	3/14/2001	9/14/2009	1	265	8/19/2004	30.5	19 V	37.6

**Notes:**

<sup>a</sup> - Earliest date of available data after 9/30/1999.

<sup>b</sup> - Latest date of available data prior to 10/1/2009.

<sup>c</sup> - Median is the exact result value ranking as the 0.50 percentile in an ascending list of all results. When the ascending list of all results doesn't produce an exact match to the corresponding percentile rank, average of two adjacent results ranking closest to 0.50 percentile is the median. Such median value is always qualified with "V". It is qualified with "U" if both results ranking immediately above and below the corresponding percentile are "U" qualified, and with "J" if at least one of the results is "J" qualified.

-- data not available.

V - Median or 95th percentile obtained through interpolation per footnote b.