

WATER QUALITY DATA

DECORAH EDGE WATER QUALITY

MISCELLANEOUS STATION ANALYSES

Date	Time	Sample type	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)
440349092255901 StoneEt5 107N13W19BABC (LAT 44 03 49N LONG 092 25 59W)												
DEC 2003 15...	1100	Environmental	723	11.1	103	7.0	7.2	583	576	3.0	10.0	116
APR 2004 07...	1430	Environmental	729	9.1	87	7.3	7.7	631	590	19.0	11.1	115
07...	1435	Replicate	--	--	--	--	7.5	632	--	--	--	116
MAY 12...	0930	Environmental	732	8.9	87	7.0	7.5	574	614	23.5	12.5	111
JUN 17...	1445	Environmental	738	9.9	95	7.2	7.1	569	572	24.5	11.9	106
AUG 05...	1440	Environmental	745	10.7	101	7.2	7.3	592	586	24.5	12.9	114
440329092255801 StoneEt1 107N13W19BDCC01 (LAT 44 03 29N LONG 092 25 58W)												
DEC 2003 15...	1330	Environmental	719	10.0	94	7.0	7.2	718	744	-1.0	10.6	143
15...	1335	Replicate	--	--	--	--	7.2	723	--	--	--	142
APR 2004 07...	1100	Environmental	730	8.7	84	7.2	7.5	758	716	15.0	11.8	137
MAY 12...	1200	Environmental	731	8.8	86	7.1	E7.2	695	745	25.5	12.6	134
12...	1205	Replicate	--	--	--	--	7.4	697	--	--	--	136
JUN 17...	1000	Environmental	738	9.0	86	6.5	7.2	646	669	18.5	11.8	125
AUG 05...	1100	Environmental	743	8.3	80	7.1	7.2	731	731	21.0	13.5	143
05...	1105	Replicate	--	--	--	--	7.2	734	--	--	--	142
440329092255803 StoneEt3 107N13W19BDCC03 (LAT 44 03 29N LONG 092 25 58W)												
DEC 2003 16...	1200	Environmental	725	8.8	77	8.0	7.3	554	575	-5.0	8.0	98.8
16...	1205	Replicate	--	--	--	--	7.3	555	--	--	--	101
APR 2004 15...	1400	Environmental	--	8.1	--	7.3	7.5	518	569	17.0	9.7	97.5
MAY 14...	1330	Environmental	739	6.0	53	7.1	E7.5	546	575	9.5	9.3	93.6
JUN 17...	1230	Environmental	738	6.2	62	7.2	7.3	568	568	18.5	12.8	100
17...	1235	Replicate	--	--	--	--	7.2	572	--	--	--	97.7
AUG 05...	1240	Environmental	743	10.7	95	7.4	7.4	566	569	21.0	10.1	96.7
440343092255501 StonMP1-1 107N13W19BABA01 (LAT 44 03 43N LONG 092 25 55W)												
APR 2004 13...	1340	Environmental	738	4.2	30	6.9	7.7	554	642	16.6	4.9	119
MAY 10...	1230	Environmental	734	5.1	50	7.2	7.3	522	493	23.0	9.9	107
JUN 15...	1200	Environmental	738	1.9	21	6.9	7.3	546	511	24.0	15.9	105
440344092255501 StonMP1-2 107N13W19BABA02 (LAT 44 03 44N LONG 092 25 55W)												
APR 2004 13...	1320	Environmental	738	--	--	7.5	--	628	636	16.6	7.1	--
13...	1325	Replicate	--	--	--	--	--	620	--	--	--	--
MAY 10...	1200	Environmental	735	.6	6	6.8	--	--	616	25.0	9.8	--
JUN 16...	1010	Environmental	738	--	--	6.8	--	--	640	24.5	12.3	--

WATER QUALITY DATA

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Bromide water, fltrd, mg/L (71870)	Chloride, water, fltrd, mg/L (00940)	Fluoride, water, fltrd, mg/L (00950)	Silica, water, fltrd, mg/L (00955)	Sulfate water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)
440349092255901 StoneEt5 107N13W19BABC (LAT 44 03 49N LONG 092 25 59W)													
DEC 2003 15...	14.8	.79	2.53	292	356	.04	10.4	<.2	12.5	20.3	201	E.03	2.59
APR 2004 07...	15.6	.64	2.61	295	360	--	11.1	--	13.7	18.6	276	<.04	2.41
07...	15.7	.60	2.52	--	--	--	10.9	--	13.7	18.0	258	<.04	2.59
MAY 12...	14.9	.73	2.43	292	356	--	11.5	--	13.5	21.7	287	E.02	2.52
JUN 17...	15.1	.53	2.05	289	353	--	10.1	--	14.5	14.6	227	<.04	1.53
AUG 05...	15.5	.29	1.54	303	370	--	6.43	--	13.8	10.2	358	<.04	3.96
440329092255801 StoneEt1 107N13W19BDCC01 (LAT 44 03 29N LONG 092 25 58W)													
DEC 2003 15...	14.1	.68	5.76	288	346	.05	18.9	<.2	18.3	25.9	372	<.04	17.8
15...	14.3	.60	5.76	--	--	.05	18.7	<.2	18.5	26.0	288	<.04	17.4
APR 2004 07...	13.3	.61	6.61	271	331	--	24.0	--	17.5	24.5	400	<.04	16.0
MAY 12...	13.1	.57	6.60	261	318	--	23.6	--	17.4	24.4	386	E.02	16.9
12...	13.2	.66	6.58	--	--	--	23.8	--	17.6	24.3	381	E.02	16.9
JUN 17...	10.4	.49	5.78	265	323	--	17.7	--	18.3	18.9	336	.05	12.2
AUG 05...	13.1	.55	6.88	285	348	--	20.3	--	17.5	26.7	493	<.04	15.8
05...	13.1	.51	6.75	--	--	--	20.5	--	17.4	26.5	468	<.04	15.6
440329092255803 StoneEt3 107N13W19BDCC03 (LAT 44 03 29N LONG 092 25 58W)													
DEC 2003 16...	20.7	1.15	3.26	272	331	.05	12.3	<.2	16.9	22.5	193	<.04	1.89
16...	21.0	1.25	3.13	--	--	.05	12.1	<.2	16.9	22.5	213	<.04	1.83
APR 2004 15...	20.4	.94	3.11	268	328	--	12.8	--	17.1	19.5	245	<.04	1.72
MAY 14...	20.3	.89	2.89	259	317	--	13.0	--	16.8	20.1	295	E.02	1.77
JUN 17...	20.3	.75	2.80	274	334	--	12.9	--	17.1	21.1	271	<.04	2.41
17...	20.1	.77	2.81	--	--	--	12.8	--	16.9	21.0	251	<.04	1.76
AUG 05...	19.9	.88	2.87	259	316	--	12.9	--	17.2	21.7	226	<.04	1.77
440343092255501 StonMP1-1 107N13W19BABA01 (LAT 44 03 43N LONG 092 25 55W)													
APR 2004 13...	14.8	.28	3.12	307	375	--	17.6	--	12.2	20.8	317	<.04	2.11
MAY 10...	12.7	.30	2.74	271	330	--	14.8	--	14.1	20.3	291	E.02	1.80
JUN 15...	12.9	.28	2.94	264	322	--	10.2	--	14.8	21.0	330	<.04	.54
440344092255501 StonMP1-2 107N13W19BABA02 (LAT 44 03 44N LONG 092 25 55W)													
APR 2004 13...	--	--	--	--	--	--	21.7	--	--	--	--	.17	.18
13...	--	--	--	--	--	--	21.9	--	--	--	--	.17	.18
MAY 10...	--	--	--	--	--	--	21.6	--	--	--	--	.24	.07
JUN 16...	--	--	--	--	--	--	22.1	--	--	--	--	.13	2.55

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Nitrite water, fltrd, mg/L as N (00613)	Ortho- phos- phate, water, fltrd, mg/L as P (00671)	Phos- phorus, water, fltrd, mg/L (00666)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)	Iron, water, fltrd, ug/L (01046)	Mangan- ese, water, fltrd, ug/L (01056)
440349092255901 StoneEt5 107N13W19BABC (LAT 44 03 49N LONG 092 25 59W)						
DEC 2003						
15...	<.008	.015	.009	2.75	E5	E.4
APR 2004						
07...	<.008	.007	.007	2.47	<6	--
07...	<.008	.007	.008	2.53	<6	--
MAY						
12...	<.008	.007	.008	2.62	7	--
JUN						
17...	<.008	E.004	.007	1.58	<6	--
AUG						
05...	<.008	E.003	.005	3.75	E5	--
440329092255801 StoneEt1 107N13W19BDCC01 (LAT 44 03 29N LONG 092 25 58W)						
DEC 2003						
15...	<.008	.025	.030	17.0	E5	<.8
15...	<.008	.025	.029	17.3	E4	<.8
APR 2004						
07...	<.008	.028	.031	15.7	E4	--
MAY						
12...	<.008	.026	.032	17.2	E4	--
12...	<.008	.026	.031	17.2	E5	--
JUN						
17...	<.008	.019	.028	12.5	<6	--
AUG						
05...	<.008	.024	.029	15.8	E5	--
05...	<.008	.023	.030	15.6	7	--
440329092255803 StoneEt3 107N13W19BDCC03 (LAT 44 03 29N LONG 092 25 58W)						
DEC 2003						
16...	<.008	<.006	.004	1.92	<6	21.2
16...	<.008	<.006	.004	1.97	<6	23.8
APR 2004						
15...	.029	<.006	.010	2.03	<6	--
MAY						
14...	.008	<.006	.009	1.91	<6	--
JUN						
17...	E.006	<.006	.005	2.46	<6	--
17...	E.006	E.003	.005	1.92	<6	--
AUG						
05...	.009	E.003	.006	1.93	<6	--
440343092255501 StonMP1-1 107N13W19BABA01 (LAT 44 03 43N LONG 092 25 55W)						
APR 2004						
13...	.048	<.006	E.003	2.12	<6	--
MAY						
10...	E.004	<.006	E.003	1.95	E5	--
JUN						
15...	<.008	<.006	E.003	.70	E6	--
440344092255501 StonMP1-2 107N13W19BABA02 (LAT 44 03 44N LONG 092 25 55W)						
APR 2004						
13...	E.006	--	--	.56	--	--
13...	E.006	--	--	.55	--	--
MAY						
10...	<.008	--	--	1.07	--	--
JUN						
16...	.037	--	--	2.78	--	--

WATER QUALITY DATA

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Time	Sample type	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conductance, wat unflab, uS/cm 25 degC (90095)	Specif. conductance, wat unflab, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	
440344092255501 StonMP1-2 107N13W19BABA02 (LAT 44 03 44N LONG 092 25 55W)													
AUG 2004	04...	1630	Environmental	738	2.4	24	7.1	--	--	631	24.0	15.4	--
440344092255601 StonMP1-3 107N13W19BABA03 (LAT 44 03 44N LONG 092 25 56W)													
APR 2004	13...	1300	Environmental	738	5.6	53	7.3	--	--	486	16.6	1.2	--
MAY	10...	1130	Environmental	734	1.5	14	7.0	--	--	509	19.5	9.2	--
JUN	15...	1430	Environmental	738	1.5	16	6.6	--	469	511	24.5	15.4	--
AUG	04...	1620	Environmental	738	1.4	15	6.9	--	--	706	23.0	17.1	--
440344092255701 StonMP1-4 107N13W19BABB01 (LAT 44 03 44N LONG 092 25 57W)													
APR 2004	13...	1230	Environmental	738	5.6	44	7.4	7.8	533	525	9.5	3.3	96.3
MAY	10...	1100	Environmental	734	2.3	21	7.4	7.4	511	515	19.0	11.1	91.8
JUN	15...	1215	Environmental	738	2.4	25	6.8	E7.1	459	489	22.2	15.4	88.1
AUG	04...	1530	Environmental	738	1.1	12	7.0	7.2	536	568	23.0	18.4	109
440342092255601 StonMP2-2 107N13W19BABD01 (LAT 44 03 42N LONG 092 25 56W)													
APR 2004	13...	1410	Environmental	738	1.6	13	6.8	7.9	669	661	16.6	4.5	117
MAY	10...	1450	Environmental	735	.6	6	6.8	7.2	658	652	25.0	9.7	117
JUN	15...	1030	Environmental	738	4.2	40	6.8	7.2	695	685	20.0	11.7	126
AUG	04...	1310	Environmental	737	.8	8	6.9	6.9	693	759	22.5	15.5	140
	04...	1315	Replicate	--	--	--	--	7.0	720	--	--	--	143
440342092255701 StonMP2-3 107N13W19BABC01 (LAT 44 03 42N LONG 092 25 57W)													
APR 2004	13...	1500	Environmental	738	--	--	7.3	--	647	647	16.6	3.1	--
MAY	10...	1430	Environmental	735	.7	7	7.0	--	--	658	23.0	9.8	--
JUN	15...	1400	Environmental	738	4.7	48	7.0	--	674	683	27.5	15.2	--
AUG	04...	1400	Environmental	739	2.8	29	7.1	--	--	737	27.0	18.1	--
440343092255701 StonMP2-4 107N13W19BABB02 (LAT 44 03 43N LONG 092 25 57W)													
APR 2004	13...	1550	Environmental	738	2.5	18	7.0	--	--	588	16.6	.9	--
MAY	10...	1550	Environmental	735	1.1	11	7.1	--	--	662	26.0	12.1	--
JUN	15...	1310	Environmental	738	1.4	15	6.8	--	637	706	27.5	16.7	--
AUG	04...	1430	Environmental	738	.4	4	7.0	--	--	828	24.0	18.3	--
440343092255801 StonMP2-5 107N13W19BABB03 (LAT 44 03 43N LONG 092 25 58W)													
APR 2004	13...	1620	Environmental	738	--	--	7.3	7.7	543	543	15.5	4.2	90.9

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
440344092255501 StonMP1-2 107N13W19BABA02 (LAT 44 03 44N LONG 092 25 55W)													
AUG 2004 04...	--	--	--	--	--	21.0	--	--	--	<.04	.74	.021	--
440344092255601 StonMP1-3 107N13W19BABA03 (LAT 44 03 44N LONG 092 25 56W)													
APR 2004 13...	--	--	--	--	--	21.6	--	--	--	<.04	.33	<.008	--
MAY 10...	--	--	--	--	--	18.6	--	--	--	E.02	E.04	<.008	--
JUN 15...	--	--	--	--	--	10.4	--	--	--	.05	<.06	<.008	--
AUG 04...	--	--	--	--	--	20.2	--	--	--	.08	<.06	<.008	--
440344092255701 StonMP1-4 107N13W19BABB01 (LAT 44 03 44N LONG 092 25 57W)													
APR 2004 13...	13.0	.17	2.79	182	222	25.2	10.0	62.8	335	<.04	<.06	<.008	<.006
MAY 10...	12.0	.20	2.90	201	245	19.8	11.9	52.3	323	<.04	<.06	<.008	<.006
JUN 15...	12.0	.23	2.94	237	289	8.39	15.4	10.4	259	<.04	.19	<.008	<.006
AUG 04...	14.3	.25	3.16	257	314	21.7	17.0	13.0	356	<.04	E.03	<.008	<.006
440342092255601 StonMP2-2 107N13W19BABD01 (LAT 44 03 42N LONG 092 25 56W)													
APR 2004 13...	17.1	1.06	3.65	293	357	25.6	13.5	25.7	360	<.04	4.73	E.004	E.003
MAY 10...	16.8	1.16	3.57	303	369	24.1	15.3	27.1	371	E.03	3.21	E.006	.006
JUN 15...	19.2	.91	3.81	306	373	29.0	17.5	23.1	289	<.04	6.72	<.008	E.003
AUG 04...	20.4	1.13	3.88	334	408	29.1	19.0	27.2	446	<.04	5.17	.038	E.003
AUG 04...	20.7	1.23	3.95	--	--	28.7	18.9	27.1	450	<.04	5.20	.027	<.006
440342092255701 StonMP2-3 107N13W19BABC01 (LAT 44 03 42N LONG 092 25 57W)													
APR 2004 13...	--	--	--	--	--	23.4	--	--	--	.08	3.13	.012	--
MAY 10...	--	--	--	--	--	22.6	--	--	--	.10	.89	.011	--
JUN 15...	--	--	--	--	--	22.8	--	--	--	.11	.79	.009	--
AUG 04...	--	--	--	--	--	22.7	--	15.6	--	<.04	.69	.031	--
440343092255701 StonMP2-4 107N13W19BABB02 (LAT 44 03 43N LONG 092 25 57W)													
APR 2004 13...	--	--	--	--	--	25.8	--	--	--	E.03	.33	.021	--
MAY 10...	--	--	--	--	--	20.0	--	--	--	.10	<.06	<.008	--
JUN 15...	--	--	--	--	--	21.8	--	--	--	.06	.58	.013	--
AUG 04...	--	--	--	--	--	19.4	--	--	--	.14	<.06	<.008	--
440343092255801 StonMP2-5 107N13W19BABB03 (LAT 44 03 43N LONG 092 25 58W)													
APR 2004 13...	13.1	.52	3.01	203	247	28.2	9.67	50.2	327	<.04	.35	E.004	<.006

WATER QUALITY DATA

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Phos- phorus, water, fltrd, mg/L (00666)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)	Iron, water, fltrd, ug/L (01046)
440344092255501	StonMP1-2 107N13W19BABA02 44N LONG 092 25 55W)		(LAT 44 03
AUG 2004 04...	--	.87	--
440344092255601	StonMP1-3 107N13W19BABA03 44N LONG 092 25 56W)		(LAT 44 03
APR 2004 13...	--	.47	--
MAY 10...	--	.31	--
JUN 15...	--	.38	--
AUG 04...	--	.37	--
440344092255701	StonMP1-4 107N13W19BABB01 44N LONG 092 25 57W)		(LAT 44 03
APR 2004 13...	<.004	.13	<6
MAY 10...	E.002	.19	<6
JUN 15...	E.002	.46	38
AUG 04...	<.004	.30	22
440342092255601	StonMP2-2 107N13W19BABD01 42N LONG 092 25 56W)		(LAT 44 03
APR 2004 13...	.007	4.36	<6
MAY 10...	.013	3.28	<6
JUN 15...	.005	7.13	<6
AUG 04...	.005	5.38	<6
04...	.006	5.36	<6
440342092255701	StonMP2-3 107N13W19BABC01 42N LONG 092 25 57W)		(LAT 44 03
APR 2004 13...	--	3.22	--
MAY 10...	--	1.22	--
JUN 15...	--	1.14	--
AUG 04...	--	1.14	--
440343092255701	StonMP2-4 107N13W19BABB02 43N LONG 092 25 57W)		(LAT 44 03
APR 2004 13...	--	.50	--
MAY 10...	--	.36	--
JUN 15...	--	.92	--
AUG 04...	--	.50	--
440343092255801	StonMP2-5 107N13W19BABB03 43N LONG 092 25 58W)		(LAT 44 03
APR 2004 13...	.005	.58	<6

WATER QUALITY DATA

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DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Time	Sample type	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)
440343092255801 StonMP2-5 107N13W19BABB03 (LAT 44 03 43N LONG 092 25 58W)												
MAY 2004												
10...	1500	Environmental	735	4.5	44	7.2	7.4	542	545	22.0	11.7	93.3
JUN 15...	1230	Environmental	738	3.3	34	6.7	7.3	564	618	24.5	16.4	105
AUG 04...	1230	Environmental	739	4.8	52	7.2	7.3	588	520	23.5	19.0	103
440341092255701 StonMP3-1 107N13W19BABC02 (LAT 44 03 41N LONG 092 25 57W)												
APR 2004												
14...	1320	Environmental	735	2.2	17	6.8	7.6	593	650	23.5	3.6	127
14...	1325	Replicate	--	--	--	--	7.7	586	--	--	--	127
MAY 11...	1445	Environmental	733	2.4	23	6.5	7.4	622	631	26.5	10.9	121
JUN 15...	1030	Environmental	738	4.2	40	7.0	7.2	536	539	20.0	11.2	99.8
AUG 04...	1130	Environmental	738	.5	5	7.0	7.2	578	589	24.5	15.9	112
440341092255702 StonMP3-2 107N13W19BABC03 (LAT 44 03 41N LONG 092 25 57W)												
APR 2004												
14...	1250	Environmental	736	--	--	6.9	--	--	715	24.0	5.3	--
MAY 11...	1330	Environmental	735	1.4	11	6.7	--	--	683	22.5	9.9	--
JUN 15...	1000	Environmental	738	2.2	22	6.9	--	621	621	23.0	14.2	--
AUG 04...	1100	Environmental	738	2.7	26	7.0	--	--	642	24.5	13.2	--
440342092255801 StonMP3-3 107N13W19BABC04 (LAT 44 03 42N LONG 092 25 58W)												
APR 2004												
14...	1200	Environmental	736	3.1	23	6.9	--	--	517	21.5	1.4	--
MAY 11...	1420	Environmental	734	.5	4	6.4	--	--	619	24.5	12.1	--
11...	1425	Replicate	--	--	--	--	--	--	--	--	--	--
JUN 15...	1020	Environmental	738	.6	6	6.7	--	617	650	20.0	16.4	--
AUG 04...	1000	Environmental	737	.7	7	6.9	--	--	701	21.5	16.5	--
440341092255801 StonMP3-4 107N13W19BABC05 (LAT 44 03 41N LONG 092 25 58W)												
APR 2004												
14...	1110	Environmental	736	--	--	7.2	--	--	601	16.0	3.3	--
MAY 11...	1200	Environmental	736	1.0	9	6.8	--	--	583	19.5	12.3	--
JUN 15...	0945	Environmental	738	.6	6	6.9	--	526	553	21.5	17.4	--
AUG 04...	0920	Environmental	737	1.7	18	7.1	--	--	615	20.5	18.2	--
440342092255901 StonMP3-5 107N13W19BABC06 (LAT 44 03 42N LONG 092 25 59W)												
APR 2004												
14...	1030	Environmental	736	--	--	7.3	8.2	479	539	16.0	2.1	103
MAY 11...	1000	Environmental	737	1.2	12	6.8	7.4	585	615	21.5	12.5	115
11...	1005	Replicate	--	--	--	--	7.6	579	--	--	--	114
JUN 15...	0930	Environmental	738	1.5	17	6.9	7.4	556	598	21.0	20.1	109
AUG 04...	0940	Environmental	737	1.1	12	6.9	7.3	808	856	20.5	18.2	163

WATER QUALITY DATA

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia water, fltrd, mg/L as N (00608)	Nitrite + nitrate water fltrd, mg/L as N (00631)	Nitrite water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
440343092255801 StonMP2-5 107N13W19BABB03 (LAT 44 03 43N LONG 092 25 58W)													
MAY 2004													
10...	13.0	.44	3.28	224	273	20.9	11.7	41.0	304	<.04	E.03	<.008	<.006
JUN 15...	15.6	.93	3.14	275	336	20.8	15.2	14.6	339	<.04	<.06	<.008	<.006
AUG 04...	14.1	.51	3.34	243	297	38.2	13.9	19.6	354	E.03	<.06	<.008	<.006
440341092255701 StonMP3-1 107N13W19BABC02 (LAT 44 03 41N LONG 092 25 57W)													
APR 2004													
14...	12.4	.44	4.27	267	326	30.5	12.0	28.2	346	<.04	6.71	<.008	<.006
14...	12.6	.40	4.20	--	--	30.4	12.0	27.2	344	<.04	6.51	<.008	<.006
MAY 11...	12.0	.52	4.16	268	328	31.0	13.3	28.1	405	<.04	4.71	<.008	<.006
JUN 15...	10.1	.52	3.82	234	286	16.6	13.8	23.9	279	<.04	2.72	<.008	<.006
AUG 04...	10.9	.80	4.12	279	283	14.6	16.6	20.1	355	E.03	2.01	.010	E.004
440341092255702 StonMP3-2 107N13W19BABC03 (LAT 44 03 41N LONG 092 25 57W)													
APR 2004													
14...	--	--	--	--	--	24.5	--	--	--	.04	<.06	<.008	--
MAY 11...	--	--	--	--	--	20.1	--	--	--	E.02	.11	<.008	--
JUN 15...	--	--	--	--	--	17.2	--	--	--	E.04	.09	<.008	--
AUG 04...	--	--	--	--	--	16.1	--	--	--	E.02	<.06	<.008	--
440342092255801 StonMP3-3 107N13W19BABC04 (LAT 44 03 42N LONG 092 25 58W)													
APR 2004													
14...	--	--	--	--	--	19.6	--	--	--	.15	.13	<.008	--
MAY 11...	--	--	--	--	--	18.3	--	--	--	.21	<.06	<.008	--
11...	--	--	--	--	--	18.7	--	--	--	.23	<.06	<.008	--
JUN 15...	--	--	--	--	--	14.4	--	--	--	.38	<.06	<.008	--
AUG 04...	--	--	--	--	--	15.2	--	--	--	.48	<.06	<.008	--
440341092255801 StonMP3-4 107N13W19BABC05 (LAT 44 03 41N LONG 092 25 58W)													
APR 2004													
14...	--	--	--	--	--	23.5	--	--	--	<.04	1.68	<.008	--
MAY 11...	--	--	--	--	--	19.5	--	--	--	<.04	.15	<.008	--
JUN 15...	--	--	--	--	--	17.6	--	--	--	<.04	E.04	<.008	--
AUG 04...	--	--	--	--	--	18.6	--	--	--	<.04	<.06	<.008	--
440342092255901 StonMP3-5 107N13W19BABC06 (LAT 44 03 42N LONG 092 25 59W)													
APR 2004													
14...	10.5	.85	3.08	214	261	26.9	7.12	45.7	331	<.04	1.06	<.008	.018
MAY 11...	11.8	.90	3.41	266	325	20.4	10.3	40.6	382	<.04	<.06	<.008	<.006
11...	11.7	.79	3.37	--	--	19.9	10.1	40.7	357	E.02	E.03	E.004	E.004
JUN 15...	11.9	.67	3.12	283	345	17.2	15.8	14.3	354	.04	<.06	<.008	.008
AUG 04...	17.3	.73	3.40	431	526	18.9	17.6	7.7	499	.11	<.06	<.008	E.005

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Phos- phorus, water, fltrd, mg/L (00666)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)	Iron, water, fltrd, ug/L (01046)
440343092255801 StonMP2-5 107N13W19BABB03 (LAT 44 03 43N LONG 092 25 58W)			
MAY 2004			
10...	E.002	.19	<6
JUN 15...	E.002	.22	<6
AUG 04...	<.004	.37	8
440341092255701 StonMP3-1 107N13W19BABC02 (LAT 44 03 41N LONG 092 25 57W)			
APR 2004			
14...	.006	6.99	97
14...	.005	6.45	<6
MAY			
11...	.004	5.02	<6
JUN 15...	E.004	2.94	<6
AUG 04...	.011	2.23	E4
440341092255702 StonMP3-2 107N13W19BABC03 (LAT 44 03 41N LONG 092 25 57W)			
APR 2004			
14...	--	.16	--
MAY			
11...	--	.33	--
JUN 15...	--	.22	--
AUG 04...	--	.15	--
440342092255801 StonMP3-3 107N13W19BABC04 (LAT 44 03 42N LONG 092 25 58W)			
APR 2004			
14...	--	.61	--
MAY			
11...	--	.69	--
11...	--	.77	--
JUN 15...	--	1.02	--
AUG 04...	--	1.07	--
440341092255801 StonMP3-4 107N13W19BABC05 (LAT 44 03 41N LONG 092 25 58W)			
APR 2004			
14...	--	1.86	--
MAY			
11...	--	.36	--
JUN 15...	--	.25	--
AUG 04...	--	.21	--
440342092255901 StonMP3-5 107N13W19BABC06 (LAT 44 03 42N LONG 092 25 59W)			
APR 2004			
14...	.016	1.23	<6
MAY			
11...	.012	.38	8
11...	.013	.26	E4
JUN 15...	.017	.40	79
AUG 04...	.015	.51	718

WATER QUALITY DATA

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Time	Sample type	Baro- metric pres- sure, mm Hg (00025)	Dis- solved oxygen, mg/L (00300)	Dis- solved oxygen, percent of sat- uration (00301)	pH, water, unfltrd field, std units (00400)	pH, water, unfltrd lab, std units (00403)	Specif. conduc- tance, wat unf lab, uS/cm 25 degC (90095)	Specif. conduc- tance, wat unf uS/cm 25 degC (00095)	Temper- ature, air, deg C (00020)	Temper- ature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)
440340092255601 StonMP4-1 107N13W19BABD02 (LAT 44 03 40N LONG 092 25 56W)												
JUN 2004 14...	1730	Environmental	735	1.0	10	6.8	--	538	539	23.0	13.0	--
440340092255701 StonMP4-2 107N13W19BABD03 (LAT 44 03 40N LONG 092 25 57W)												
APR 2004 14...	1530	Environmental	735	--	--	7.2	--	522	684	23.5	4.6	--
MAY 14...	1600	Environmental	736	--	--	--	--	702	--	20.0	--	--
JUN 14...	1710	Environmental	735	1.8	18	6.8	--	505	523	22.5	14.3	--
440340092255702 StonMP4-3 107N13W19BABD04 (LAT 44 03 40N LONG 092 25 57W)												
APR 2004 14...	1500	Environmental	735	6.5	51	7.2	--	--	503	23.5	3.5	--
MAY 11...	1100	Environmental	736	2.3	22	6.8	7.6	534	545	21.0	10.5	97.2
JUN 14...	1600	Environmental	735	2.9	28	6.8	7.4	555	556	21.0	11.9	104
14...	1605	Replicate	--	--	--	--	7.7	560	--	--	--	103
AUG 03...	1400	Environmental	735	1.0	10	7.1	7.2	604	639	--	16.2	114
440340092255801 StonMP4-4 107N13W19BABC07 (LAT 44 03 40N LONG 092 25 58W)												
APR 2004 14...	1430	Environmental	735	--	--	7.3	8.1	446	512	23.5	6.1	93.9
MAY 11...	1130	Environmental	736	.9	8	6.7	7.7	557	558	20.0	11.6	106
JUN 14...	1620	Environmental	735	2.6	32	6.9	7.2	400	556	21.0	15.1	105
AUG 03...	1400	Environmental	735	3.5	37	7.0	--	--	761	--	19.0	--
11...	1230	Environmental	738	--	--	6.9	7.5	694	768	11.5	16.2	143
440337092255901 StonMP5-1 107N13W19BDBB01 (LAT 44 03 37N LONG 092 25 59W)												
JUN 2004 14...	1500	Environmental	735	5.3	49	6.7	7.4	360	431	22.0	10.3	80.4
440339092255901 StonMP5-2 107N13W19BDBB02 (LAT 44 03 39N LONG 092 25 59W)												
JUN 2004 14...	1430	Environmental	735	2.0	18	6.8	--	600	604	24.0	9.7	--

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat flt inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat flt incrm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia, water, fltrd, mg/L as N (00608)	Nitrite + nitrate, water, fltrd, mg/L as N (00631)	Nitrite, water, fltrd, mg/L as N (00613)	Orthophosphate, water, fltrd, mg/L as P (00671)
440340092255601 StonMP4-1 107N13W19BABD02 (LAT 44 03 40N LONG 092 25 56W)													
JUN 2004 14...	--	--	--	--	--	13.0	--	--	--	<.04	2.39	<.008	--
440340092255701 StonMP4-2 107N13W19BABD03 (LAT 44 03 40N LONG 092 25 57W)													
APR 2004 14...	--	--	--	--	--	25.4	--	--	--	<.04	9.25	.042	--
MAY 14...	--	--	--	--	--	31.0	--	--	--	.33	8.85	.018	--
JUN 14...	--	--	--	--	--	12.2	--	--	--	<.04	2.31	<.008	--
440340092255702 StonMP4-3 107N13W19BABD04 (LAT 44 03 40N LONG 092 25 57W)													
APR 2004 14...	--	--	--	--	--	25.6	--	--	--	<.04	9.27	<.008	--
MAY 11...	10.9	.42	3.83	220	268	22.1	11.7	27.5	345	<.04	6.56	<.008	<.006
JUN 14...	11.8	.81	4.77	245	299	14.7	13.6	21.5	253	E.04	3.46	.013	.008
JUN 14...	11.5	.85	4.95	--	--	15.0	14.0	21.3	304	E.04	3.60	.012	.008
AUG 03...	13.0	.61	4.10	274	334	11.9	14.7	24.4	384	<.04	3.97	E.004	<.006
440340092255801 StonMP4-4 107N13W19BABC07 (LAT 44 03 40N LONG 092 25 58W)													
APR 2004 14...	10.5	.87	2.79	207	252	19.3	9.25	26.1	286	<.04	5.87	.018	<.006
MAY 11...	12.4	.83	2.93	287	350	12.4	11.0	22.5	336	.10	<.06	<.008	<.006
JUN 14...	12.4	.89	2.91	261	318	13.3	14.2	18.5	285	.15	.34	.008	.011
AUG 03...	--	--	--	--	--	--	--	--	--	--	--	--	--
JUN 2004 11...	17.0	.74	3.05	367	448	11.5	15.7	24.5	310	<.04	.38	<.008	<.006
440337092255901 StonMP5-1 107N13W19BDBB01 (LAT 44 03 37N LONG 092 25 59W)													
JUN 2004 14...	1.91	.33	1.28	148	181	3.46	12.2	15.9	285	.10	10.5	.046	.011
440339092255901 StonMP5-2 107N13W19BDBB02 (LAT 44 03 39N LONG 092 25 59W)													
JUN 2004 14...	--	--	--	--	--	12.5	--	--	--	<.04	3.62	.010	--

WATER QUALITY DATA

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Phos- phorus, water, fltrd, mg/L (00666)	Total nitro- gen, wat flt by anal ysis, mg/L (62854)	Iron, water, fltrd, ug/L (01046)
440340092255601	StonMP4-1	107N13W19BABD02	(LAT 44 03 40N LONG 092 25 56W)
JUN 2004 14...	--	2.54	--
440340092255701	StonMP4-2	107N13W19BABD03	(LAT 44 03 40N LONG 092 25 57W)
APR 2004 14...	--	9.54	--
MAY 14...	--	9.78	--
JUN 14...	--	2.53	--
440340092255702	StonMP4-3	107N13W19BABD04	(LAT 44 03 40N LONG 092 25 57W)
APR 2004 14...	--	9.39	--
MAY 11...	.005	6.59	<6
JUN 14...	.017	3.71	E5
14...	.017	3.89	7
AUG 03...	E.002	3.97	<6
440340092255801	StonMP4-4	107N13W19BABC07	(LAT 44 03 40N LONG 092 25 58W)
APR 2004 14...	.015	6.41	<6
MAY 11...	.009	.71	11
JUN 14...	.017	.75	41
AUG 03...	--	--	--
11...	.006	.84	<6
440337092255901	StonMP5-1	107N13W19BDDB01	(LAT 44 03 37N LONG 092 25 59W)
JUN 2004 14...	.017	11.2	<6
440339092255901	StonMP5-2	107N13W19BDDB02	(LAT 44 03 39N LONG 092 25 59W)
JUN 2004 14...	--	3.67	--