

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 fld, 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)
440329092255801 StoneEt1 107N13W19BDCC01 (LAT 44 03 29N LONG 092 25 58W)												
OCT 2004 21...	1130	Environmental	737	7.5	69	7.0	7.2	697	728	7.5	11.3	136
APR 2005 28...	1030	Environmental	734	9.4	86	7.2	7.3	668	711	5.5	11.3	136
440329092255803 StoneEt3 107N13W19BDCC03 (LAT 44 03 29N LONG 092 25 58W)												
OCT 2004 21...	1220	Environmental	737	10.1	88	7.3	7.4	542	568	7.5	9.1	94.8
APR 2005 28...	1200	Environmental	733	10.8	94	7.4	7.6	550	578	5.5	9.0	97.5
440349092255901 StoneEt5 107N13W19BABC (LAT 44 03 49N LONG 092 25 59W)												
OCT 2004 21...	1430	Environmental	739	10.9	102	7.2	7.2	494	512	9.5	10.4	93.6
21...	1435	Replicate	--	--	--	--	E7.0	478	--	--	--	92.0
APR 2005 28...	1400	Environmental	736	11.4	107	7.2	7.4	547	571	8.0	12.5	106
28...	1401	Replicate	--	--	--	--	7.3	530	--	--	--	110
440344092255501 StonMP1-2 107N13W19BABA02 (LAT 44 03 44N LONG 092 25 55W)												
OCT 2004 20...	1500	Environmental	739	4.3	39	7.2	--	--	703	16.5	10.9	--
APR 2005 27...	1350	Environmental	732	1.2	10	6.9	--	--	670	4.0	5.5	--
440344092255601 StonMP1-3 107N13W19BABA03 (LAT 44 03 44N LONG 092 25 56W)												
OCT 2004 20...	1400	Environmental	740	2.0	18	7.0	--	--	660	13.7	10.1	--
APR 2005 27...	1100	Environmental	733	.9	7	6.9	--	--	650	3.0	2.1	--
440344092255701 StonMP1-4 107N13W19BABB01 (LAT 44 03 44N LONG 092 25 57W)												
OCT 2004 20...	1300	Environmental	740	.9	8	7.0	7.2	641	674	13.2	10.4	120
APR 2005 27...	1050	Environmental	733	2.7	22	7.1	7.4	536	582	3.0	5.5	109
440342092255601 StonMP2-2 107N13W19BABD01 (LAT 44 03 42N LONG 092 25 56W)												
OCT 2004 20...	1030	Environmental	740	1.5	13	6.9	7.2	727	770	9.8	9.4	134
20...	1035	Replicate	--	--	--	--	E6.9	731	--	--	--	137
APR 2005 27...	1300	Environmental	732	1.0	8	6.8	E7.6	684	731	5.0	5.5	133
440342092255701 StonMP2-3 107N13W19BABC01 (LAT 44 03 42N LONG 092 25 57W)												
OCT 2004 20...	1050	Environmental	740	5.3	49	7.2	--	--	677	12.5	10.4	--
APR 2005 27...	1330	Environmental	733	.7	5	6.9	--	--	700	4.5	4.5	--
440343092255701 StonMP2-4 107N13W19BABB02 (LAT 44 03 43N LONG 092 25 57W)												
OCT 2004 20...	1130	Environmental	740	2.4	21	7.1	--	--	778	14.8	10.5	--
APR 2005 27...	1400	Environmental	733	.4	3	6.8	--	--	681	4.5	4.8	--

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 CaCO ₃ (39086)	Bicarbonate, wat flt inc titr., field, mg/L (00453)	Carbonate, wat flt inc titr., field, mg/L (00452)	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)
440329092255801 StoneEt1 107N13W19BDCC01 (LAT 44 03 29N LONG 092 25 58W)													
OCT 2004 21...	12.8	.65	6.49	294	359	.0	17.8	19.6	24.0	452	<.04	14.7	<.008
APR 2005 28...	12.0	.64	6.13	270	329	.0	19.8	18.1	26.0	488	<.04	15.1	<.008
440329092255803 StoneEt3 107N13W19BDCC03 (LAT 44 03 29N LONG 092 25 58W)													
OCT 2004 21...	19.8	.82	2.86	273	333	.0	12.8	17.5	20.7	341	<.04	1.66	<.008
APR 2005 28...	19.7	.77	2.81	267	326	.0	12.8	17.5	20.2	355	<.04	1.61	E.005
440349092255901 StoneEt5 107N13W19BABC (LAT 44 03 49N LONG 092 25 59W)													
OCT 2004 21...	12.7	.51	1.74	246	300	.0	6.18	14.0	12.0	301	<.04	3.17	<.008
21...	12.6	.45	1.68	--	--	--	6.14	14.0	11.6	303	<.04	3.19	<.008
APR 2005 28...	14.0	.62	2.10	281	343	.0	7.58	14.5	16.3	339	<.04	2.92	<.008
28...	14.2	.65	2.12	--	--	--	7.46	14.5	16.0	350	<.04	3.07	<.008
440344092255501 StonMP1-2 107N13W19BABA02 (LAT 44 03 44N LONG 092 25 55W)													
OCT 2004 20...	--	--	--	--	--	--	21.2	--	--	--	<.04	.08	<.008
APR 2005 27...	--	--	--	--	--	--	22.5	--	--	--	.09	.92	.030
440344092255601 StonMP1-3 107N13W19BABA03 (LAT 44 03 44N LONG 092 25 56W)													
OCT 2004 20...	--	--	--	--	--	--	23.8	--	--	--	.10	<.06	<.008
APR 2005 27...	--	--	--	--	--	--	18.9	--	--	--	.16	.25	E.007
440344092255701 StonMP1-4 107N13W19BABB01 (LAT 44 03 44N LONG 092 25 57W)													
OCT 2004 20...	16.4	.24	3.52	328	399	.0	25.1	15.4	11.4	401	<.04	<.06	<.008
APR 2005 27...	14.6	.22	2.85	264	322	.0	19.6	13.1	18.5	336	<.04	<.06	<.008
440342092255601 StonMP2-2 107N13W19BABD01 (LAT 44 03 42N LONG 092 25 56W)													
OCT 2004 20...	20.6	.99	3.90	343	419	.0	25.7	19.2	28.2	465	E.03	4.50	<.008
20...	20.5	1.05	3.84	--	--	--	26.0	19.2	28.2	464	<.04	4.49	<.008
APR 2005 27...	18.9	.87	3.65	310	379	.0	26.6	17.1	26.5	436	<.04	4.46	<.008
440342092255701 StonMP2-3 107N13W19BABC01 (LAT 44 03 42N LONG 092 25 57W)													
OCT 2004 20...	--	--	--	--	--	--	23.1	--	19.8	--	E.02	1.79	.012
APR 2005 27...	--	--	--	--	--	--	24.7	--	25.3	--	.05	1.44	E.007
440343092255701 StonMP2-4 107N13W19BABB02 (LAT 44 03 43N LONG 092 25 57W)													
OCT 2004 20...	--	--	--	--	--	--	20.9	--	--	--	E.02	<.06	<.008
APR 2005 27...	--	--	--	--	--	--	21.5	--	--	--	.09	E.03	<.008

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by anal ysis, mg/L (62854)	Iron, water, fltrd, ug/L (01046)
440329092255801 StoneEt1 107N13W19BDCC01 (LAT 44 03 29N LONG 092 25 58W)				
OCT 2004 21...	.026	.031	14.9	<6
APR 2005 28...	.025	.030	14.8	<6
440329092255803 StoneEt3 107N13W19BDCC03 (LAT 44 03 29N LONG 092 25 58W)				
OCT 2004 21...	.008	.010	1.85	<6
APR 2005 28...	E.004	.008	1.73	<6
440349092255901 StoneEt5 107N13W19BABC (LAT 44 03 49N LONG 092 25 59W)				
OCT 2004 21...	E.003	.005	3.35	<6
21...	E.003	.004	3.35	<6
APR 2005 28...	E.004	.006	3.06	E4
28...	E.005	.007	3.23	<6
440344092255501 StonMP1-2 107N13W19BABA02 (LAT 44 03 44N LONG 092 25 55W)				
OCT 2004 20...	--	--	.46	--
APR 2005 27...	--	--	1.21	--
440344092255601 StonMP1-3 107N13W19BABA03 (LAT 44 03 44N LONG 092 25 56W)				
OCT 2004 20...	--	--	.39	--
APR 2005 27...	--	--	.66	--
440344092255701 StonMP1-4 107N13W19BABB01 (LAT 44 03 44N LONG 092 25 57W)				
OCT 2004 20...	<.006	<.004	.15	37
APR 2005 27...	<.006	<.004	.20	E3
440342092255601 StonMP2-2 107N13W19BABD01 (LAT 44 03 42N LONG 092 25 56W)				
OCT 2004 20...	E.004	.008	4.78	86
20...	E.004	.008	4.50	11
APR 2005 27...	E.003	.006	4.67	10
440342092255701 StonMP2-3 107N13W19BABC01 (LAT 44 03 42N LONG 092 25 57W)				
OCT 2004 20...	--	--	1.97	--
APR 2005 27...	--	--	1.50	--
440343092255701 StonMP2-4 107N13W19BABB02 (LAT 44 03 43N LONG 092 25 57W)				
OCT 2004 20...	--	--	.24	--
APR 2005 27...	--	--	.41	--

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 lab, 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)												
OCT 2004 20...	1200	Environmental	740	6.7	61	7.4	7.5	655	693	14.0	10.9	120
APR 2005 27...	1500	Environmental	733	4.8	34	7.0	7.8	593	708	5.0	4.1	118
440341092255701 StonMP3-1 107N13W19BABC02 (LAT 44 03 41N LONG 092 25 57W)												
OCT 2004 18...	1720	Environmental	733	.8	7	7.0	7.2	622	671	13.0	11.0	126
APR 2005 26...	1400	Environmental	725	3.5	27	7.1	E7.7	591	640	6.0	5.3	127
440341092255702 StonMP3-2 107N13W19BABC03 (LAT 44 03 41N LONG 092 25 57W)												
OCT 2004 19...	1300	Environmental	736	3.2	28	6.9	--	--	644	8.0	9.3	--
APR 2005 26...	1430	Environmental	725	2.8	23	7.1	--	--	618	6.0	6.3	--
440342092255801 StonMP3-3 107N13W19BABC04 (LAT 44 03 42N LONG 092 25 58W)												
OCT 2004 19...	1230	Environmental	736	.9	8	6.8	--	--	663	8.5	9.9	--
APR 2005 26...	1500	Environmental	725	.9	8	7.1	--	--	541	8.5	6.0	--
440341092255801 StonMP3-4 107N13W19BABC05 (LAT 44 03 41N LONG 092 25 58W)												
OCT 2004 19...	1400	Environmental	736	1.9	16	7.2	--	--	588	8.0	9.2	--
APR 2005 26...	1520	Environmental	725	1.1	9	7.1	--	--	573	7.0	5.5	--
440342092255901 StonMP3-5 107N13W19BABC06 (LAT 44 03 42N LONG 092 25 59W)												
OCT 2004 19...	1540	Environmental	736	3.1	27	6.9	7.2	625	683	9.0	9.3	130
APR 2005 26...	1540	Environmental	725	1.2	8	7.2	7.3	493	542	7.0	5.4	104
440340092255601 StonMP4-1 107N13W19BABD02 (LAT 44 03 40N LONG 092 25 56W)												
OCT 2004 19...	1000	Environmental	735	8.6	76	6.9	--	--	767	7.0	9.9	--
440340092255701 StonMP4-2 107N13W19BABD03 (LAT 44 03 40N LONG 092 25 57W)												
OCT 2004 19...	1010	Environmental	735	8.0	71	7.0	--	--	780	7.0	9.6	--
440340092255702 StonMP4-3 107N13W19BABD04 (LAT 44 03 40N LONG 092 25 57W)												
OCT 2004 19...	1030	Environmental	735	3.2	29	7.0	7.4	554	602	7.0	9.7	111
APR 2005 26...	1230	Environmental	722	6.5	53	7.2	7.5	516	561	7.0	6.0	106
440340092255801 StonMP4-4 107N13W19BABC07 (LAT 44 03 40N LONG 092 25 58W)												
OCT 2004 19...	1140	Environmental	735	7.0	63	6.9	7.2	589	633	8.0	10.2	120
APR 2005 26...	1240	Environmental	722	2.4	20	7.1	7.3	506	543	7.0	7.4	108
440337092255901 StonMP5-1 107N13W19BDBB01 (LAT 44 03 37N LONG 092 25 59W)												
APR 2005 26...	1120	Environmental	722	9.9	75	7.0	7.3	514	505	6.5	3.8	117

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, water fltrd, mg/L as CaCO ₃ (39086)	Bicarbonate, water fltrd, mg/L (00453)	Carbonate, water fltrd, mg/L (00452)	Chloride, water, fltrd, mg/L (00940)	Silica, water, fltrd, mg/L (00955)	Sulfate, water, fltrd, mg/L (00945)	Residue on evap. at 180degC, water fltrd, 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)
440343092255801 StonMP2-5 107N13W19BABB03 (LAT 44 03 43N LONG 092 25 58W)													
OCT 2004 20...	17.9	.67	3.87	307	375	.0	37.2	12.4	17.8	407	<.04	<.06	<.008
APR 2005 27...	16.8	.47	3.31	296	361	.0	23.0	12.2	24.8	392	<.04	<.06	<.008
440341092255701 StonMP3-1 107N13W19BABC02 (LAT 44 03 41N LONG 092 25 57W)													
OCT 2004 18...	12.6	.65	4.51	286	349	.0	24.9	16.9	21.8	398	<.04	4.07	<.008
APR 2005 26...	10.9	.92	4.29	279	340	.0	18.9	13.6	26.0	370	<.04	1.88	<.008
440341092255702 StonMP3-2 107N13W19BABC03 (LAT 44 03 41N LONG 092 25 57W)													
OCT 2004 19...	--	--	--	--	--	--	16.5	--	--	--	E.02	E.04	<.008
APR 2005 26...	--	--	--	--	--	--	21.9	--	--	--	<.04	2.71	.030
440342092255801 StonMP3-3 107N13W19BABC04 (LAT 44 03 42N LONG 092 25 58W)													
OCT 2004 19...	--	--	--	--	--	--	17.8	--	--	--	.33	<.06	<.008
APR 2005 26...	--	--	--	--	--	--	18.8	--	--	--	.64	<.06	<.008
440341092255801 StonMP3-4 107N13W19BABC05 (LAT 44 03 41N LONG 092 25 58W)													
OCT 2004 19...	--	--	--	--	--	--	20.9	--	--	--	<.04	.37	<.008
APR 2005 26...	--	--	--	--	--	--	21.6	--	--	--	.06	.27	<.008
440342092255901 StonMP3-5 107N13W19BABC06 (LAT 44 03 42N LONG 092 25 59W)													
OCT 2004 19...	14.1	.42	3.06	316	385	.0	22.1	15.5	13.3	406	E.03	<.06	<.008
APR 2005 26...	10.2	.48	3.06	226	276	.0	20.2	10.2	28.5	327	.06	<.06	<.008
440340092255601 StonMP4-1 107N13W19BABD02 (LAT 44 03 40N LONG 092 25 56W)													
OCT 2004 19...	--	--	--	--	--	--	30.4	--	30.2	--	<.04	8.86	<.008
440340092255701 StonMP4-2 107N13W19BABD03 (LAT 44 03 40N LONG 092 25 57W)													
OCT 2004 19...	--	--	--	--	--	--	30.8	--	31.0	--	<.04	8.69	<.008
440340092255702 StonMP4-3 107N13W19BABD04 (LAT 44 03 40N LONG 092 25 57W)													
OCT 2004 19...	12.9	.56	4.13	267	326	.0	16.2	15.2	22.3	349	<.04	3.79	<.008
APR 2005 26...	10.9	.45	4.14	219	268	.0	15.6	11.6	23.9	331	<.04	6.47	<.008
440340092255801 StonMP4-4 107N13W19BABC07 (LAT 44 03 40N LONG 092 25 58W)													
OCT 2004 19...	14.2	.58	2.58	308	376	.0	11.5	14.5	26.4	388	<.04	.94	<.008
APR 2005 26...	11.3	.52	2.51	240	292	.0	12.0	11.1	23.6	318	<.04	3.01	<.008
440337092255901 StonMP5-1 107N13W19BDBB01 (LAT 44 03 37N LONG 092 25 59W)													
APR 2005 26...	2.06	<.16	1.38	243	296	.0	4.08	10.1	20.0	317	<.04	3.80	<.008

DECORAH EDGE WATER QUALITY—Continued

MISCELLANEOUS STATION ANALYSES—CONTINUED

Date	Ortho-phosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	Iron, water, fltrd, ug/L (01046)
440343092255801	StonMP2-5	107N13W19BABB03	(LAT 44 03 43N LONG 092 25 58W)	
OCT 2004 20...	<.006	E.003	.17	E4
APR 2005 27...	<.006	E.003	.27	<6
440341092255701	StonMP3-1	107N13W19BABC02	(LAT 44 03 41N LONG 092 25 57W)	
OCT 2004 18...	<.006	.004	4.17	39
APR 2005 26...	.007	.009	1.94	<6
440341092255702	StonMP3-2	107N13W19BABC03	(LAT 44 03 41N LONG 092 25 57W)	
OCT 2004 19...	--	--	.16	--
APR 2005 26...	--	--	2.69	--
440342092255801	StonMP3-3	107N13W19BABC04	(LAT 44 03 42N LONG 092 25 58W)	
OCT 2004 19...	--	--	.84	--
APR 2005 26...	--	--	.93	--
440341092255801	StonMP3-4	107N13W19BABC05	(LAT 44 03 41N LONG 092 25 58W)	
OCT 2004 19...	--	--	.55	--
APR 2005 26...	--	--	.53	--
440342092255901	StonMP3-5	107N13W19BABC06	(LAT 44 03 42N LONG 092 25 59W)	
OCT 2004 19...	<.006	.006	.28	652
APR 2005 26...	E.005	.013	.29	1,630
440340092255601	StonMP4-1	107N13W19BABD02	(LAT 44 03 40N LONG 092 25 56W)	
OCT 2004 19...	--	--	9.27	--
440340092255701	StonMP4-2	107N13W19BABD03	(LAT 44 03 40N LONG 092 25 57W)	
OCT 2004 19...	--	--	8.54	--
440340092255702	StonMP4-3	107N13W19BABD04	(LAT 44 03 40N LONG 092 25 57W)	
OCT 2004 19...	<.006	<.004	3.92	<6
APR 2005 26...	<.006	E.003	6.55	<6
440340092255801	StonMP4-4	107N13W19BABC07	(LAT 44 03 40N LONG 092 25 58W)	
OCT 2004 19...	<.006	<.004	1.12	<6
APR 2005 26...	<.006	E.002	3.06	<6
440337092255901	StonMP5-1	107N13W19BDBB01	(LAT 44 03 37N LONG 092 25 59W)	
APR 2005 26...	.008	.014	3.92	<6

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 unfl lab, uS/cm 25 degC (90095)	Specif. conductance, wat unfl lab, uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	
440343092255501 StonMP1-1 107N13W19BABA01 (LAT 44 03 43N LONG 092 25 55W)													
APR 2005 27...	1420	Environmental	732	1.3	10	7.0	7.6	510	619	4.0	4.7	109	
440339092255901 StonMP5-2 107N13W19BDBB02 (LAT 44 03 39N LONG 092 25 59W)													
APR 2005 26...	1050	Environmental	723	1.3	10	6.9	--	--	633	7.0	6.2	--	
Date	Magnesium, water, fltrd, mg/L (00925)	Potassium, water, fltrd, mg/L (00935)	Sodium, water, fltrd, mg/L (00930)	Alkalinity, wat tit inc tit field, mg/L as CaCO3 (39086)	Bicarbonate, wat tit incrm. titr., field, mg/L (00453)	Carbonate, wat tit incrm. titr., field, mg/L (00452)	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)
440343092255501 StonMP1-1 107N13W19BABA01 (LAT 44 03 43N LONG 092 25 55W)													
APR 2005 27...	12.9	.47	2.61	258	314	.0	15.0	12.2	23.1	344	.04	.37	<.008
440339092255901 StonMP5-2 107N13W19BDBB02 (LAT 44 03 39N LONG 092 25 59W)													
APR 2005 26...	--	--	--	--	--	--	9.61	--	23.8	--	.06	6.51	.012
Date	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L (00666)	Total nitrogen, wat flt by analysis, mg/L (62854)	Iron, water, fltrd, ug/L (01046)									
440343092255501 StonMP1-1 107N13W19BABA01 (LAT 44 03 43N LONG 092 25 55W)													
APR 2005 27...	<.006	.006	.61	<6									
440339092255901 StonMP5-2 107N13W19BDBB02 (LAT 44 03 39N LONG 092 25 59W)													
APR 2005 26...	--	--	6.90	--									