

05288705 SHINGLE CREEK AT QUEEN AVE. IN MINNEAPOLIS, MN--Continued
(National Water-Quality Assessment Program)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Water years 1996 to current year.

PERIOD OF DAILY RECORD:

WATER TEMPERATURES.-- May 1996 to September 30, 1998.

SPECIFIC CONDUCTANCE.-- May 1996 to September 30, 1998.

REVISED RECORDS.--WDR MN-96-1: Specific conductance.

WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	Time	Sample type	Medium code	GAGE HEIGHT (FEET) (00065)	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	BARO-METRIC PRES-SURE (MM OF HG) (00025)	OXYGEN, DIS-SOLVED (MG/L) (00300)	OXYGEN, (PER-CENT SATUR-ATION) (00301)	PH WATER WHOLE FIELD (STAND-ARD) (00400)	PH WATER WHOLE LAB (STAND-ARD) (00403)	SPE-CIFIC CON-DUCT-ANCE LAB (90095)	SPE-CIFIC CON-DUCT-ANCE (00095)	TEMPER-ATURE AIR (DEG C) (00020)
OCT													
17...	1130	ENVIRONMENTAL		9.46	4.2	747	7.3	63	7.6	--	--	1030	9.0
NOV													
27...	1045	ENVIRONMENTAL		9.88	25	740	14.4	100	7.7	--	--	601	-1.1
DEC													
19...	1000	ENVIRONMENTAL		9.34	4.9	740	11.7	81	7.7	--	--	1100	.0
19...	1002	BLANK		--	--	--	--	--	--	--	5	--	--
JAN													
23...	1000	ENVIRONMENTAL		9.23	2.4	743	2.4	19	7.6	--	--	1880	3.3
FEB													
14...	0855	ENVIRONMENTAL		9.28	3.5	734	11.2	83	8.0	--	--	1620	4.0
MAR													
08...	1540	ENVIRONMENTAL		9.29	3.7	--	--	--	--	--	--	2310	--
11...	1610	ENVIRONMENTAL		9.57	13	--	--	--	--	--	--	5520	--
11...	2045	ENVIRONMENTAL		9.44	8.2	--	--	--	7.3	7.2	6470	6620	--
12...	1640	ENVIRONMENTAL		9.83	26	--	--	--	6.9	7.2	4620	4590	--
APR													
16...	0930	ENVIRONMENTAL		10.04	36	731	8.2	100	7.8	--	--	759	19.0
16...	0935	REPLICATE		--	--	--	--	--	--	--	--	--	--
MAY													
08...	1145	ENVIRONMENTAL		11.07	107	738	8.0	71	7.5	--	--	401	9.0
JUN													
13...	0930	ENVIRONMENTAL		10.17	43	740	4.2	46	7.3	--	--	641	19.0
JUL													
22...	1030	ENVIRONMENTAL		10.16	33	741	3.6	42	7.1	--	--	766	24.0
22...	1035	REPLICATE		--	--	--	--	--	--	--	--	--	--
AUG													
15...	0915	ENVIRONMENTAL		9.81	26	731	4.6	54	7.4	--	--	919	--
15...	0916	SPIKE		--	--	--	--	--	--	--	--	--	--
SEP													
11...	1115	ENVIRONMENTAL		10.16	41	746	4.7	53	7.3	--	--	568	20.5

UPPER MISSISSIPPI RIVER MAIN STEM--Continued

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WATER-QUALITY DATA, WATER YEAR OCTOBER 2001 TO SEPTEMBER 2002

Date	TEMPER- ATURE WATER (DEG C) (00010)	CALCIUM DIS- SOLVED (MG/L AS CA) (00915)	MAGNE- SIUM, DIS- SOLVED (MG/L AS MG) (00925)	POTAS- SIUM, DIS- SOLVED (MG/L AS K) (00935)	SODIUM, DIS- SOLVED (MG/L AS NA) (00930)	ALKA- LINITY WAT DIS TOT IT FIELD MG/L AS CACO3 (39086)	BICAR- BONATE WATER DIS IT FIELD MG/L AS HCO3 (00453)	CAR- BONATE WATER DIS IT FIELD MG/L AS CO3 (00452)	CHLO- RIDE, DIS- SOLVED (MG/L AS CL) (00940)	FLUO- RIDE, DIS- SOLVED (MG/L AS F) (00950)	SILICA, DIS- SOLVED (MG/L AS SIO2) (00955)	SULFATE DIS- SOLVED (MG/L AS SO4) (00945)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (MG/L) (70300)
OCT													
17...	8.4	--	--	--	--	228	278	0	145	--	--	82.2	--
NOV													
27...	.5	--	--	--	--	104	127	0	103	--	--	30.8	--
DEC													
19...	.8	--	--	--	--	231	282	0	169	--	--	80.2	--
19...	--	--	--	--	--	--	--	--	2.18	--	--	<.1	--
JAN													
23...	1.2	--	--	--	--	294	359	0	351	--	--	122	--
FEB													
14...	1.2	--	--	--	--	265	323	0	298	--	--	111	--
MAR													
08...	--	--	--	--	287	--	--	--	515	--	--	--	--
11...	--	--	--	--	1080	--	--	--	1690	--	--	--	--
11...	.5	91.1	22.7	8.83	1210	177	213	0	2020	.2	10.8	70.8	3540
12...	4.0	60.9	15.1	14.8	821	118	141	0	1390	.2	7.91	53.8	2530
APR													
16...	16.7	--	--	--	--	129	158	0	131	--	--	28.8	--
16...	--	--	--	--	--	--	--	--	130	--	--	28.7	--
MAY													
08...	8.7	--	--	--	--	79	96	0	62.4	--	--	15.8	--
JUN													
13...	19.0	--	--	--	--	147	179	0	82.0	--	--	27.0	--
JUL													
22...	23.0	--	--	--	--	168	205	0	103	--	--	42.5	--
22...	--	--	--	--	--	--	--	--	--	--	--	--	--
AUG													
15...	21.4	--	--	--	--	194	237	--	--	--	--	--	--
15...	--	--	--	--	--	--	--	--	--	--	--	--	--
SEP													
11...	19.5	--	--	--	--	86	105	0	73.7	--	--	26.3	--
Date	NITRO- GEN, AMMONIA DIS- SOLVED (MG/L AS N) (00608)	NITRO- GEN, AM- MONIA + ORGANIC TOTAL (MG/L AS N) (00625)	NITRO- GEN, NO2+NO3 DIS- SOLVED (MG/L AS N) (00631)	NITRO- GEN, NITRITE DIS- SOLVED (MG/L AS N) (00613)	ORTHO- PHOS- PHATE, DIS- SOLVED (MG/L AS P) (00671)	PHOS- PHORUS TOTAL (MG/L AS P) (00665)	IRON, DIS- SOLVED (UG/L AS FE) (01046)	MANGA- NESE, DIS- SOLVED (UG/L AS MN) (01056)	2,6-DI- ETHYL ANILINE WAT FLT 0.7 U GF, REC (UG/L) (82660)	ACETO- CHLOR, WATER FLTRD REC (UG/L) (49260)	ALA- CHLOR, WATER, DISS, REC, (UG/L) (46342)	ALPHA BHC DIS- SOLVED (UG/L) (34253)	ATRA- ZINE, WATER, DISS, REC (UG/L) (39632)
OCT													
17...	.38	1.2	.18	.017	<.02	.098	--	--	<.002	<.004	<.002	<.005	<.007
NOV													
27...	.12	.75	.41	.014	<.02	.085	--	--	--	--	--	--	--
DEC													
19...	.17	.77	.51	.021	E.02	.055	--	--	<.002	<.004	<.002	<.005	.011
19...	<.04	<.10	<.05	<.008	<.02	<.004	--	--	--	--	--	--	--
JAN													
23...	.50	.97	1.00	.027	E.01	.036	--	--	--	--	--	--	--
FEB													
14...	.34	.94	.89	.018	<.02	.045	--	--	<.006	<.006	<.004	<.005	<.007
MAR													
08...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	<50	109	--	--	--	--	--
12...	--	--	--	--	--	--	<30	5.7	--	--	--	--	--
APR													
16...	<.04	1.2	.37	.023	<.02	.118	--	--	<.006	.051	<.004	<.005	.085
16...	<.04	1.1	.34	.022	<.02	.109	--	--	--	--	--	--	--
MAY													
08...	.23	1.2	.71	.034	<.02	.131	--	--	<.006	.178	<.007	<.005	.412
JUN													
13...	.21	1.0	.34	.036	.02	.131	--	--	<.006	.023	<.004	<.005	.830
JUL													
22...	.12	.71	.38	.083	E.01	.064	--	--	<.006	<.006	<.004	<.005	.041
22...	--	--	--	--	--	--	--	--	<.006	<.006	<.004	<.005	.039
AUG													
15...	<.04	.64	.42	.033	<.02	.055	--	--	<.006	<.006	<.004	<.005	.043
15...	--	--	--	--	--	--	--	--	.097	.113	.121	.140	.168
SEP													
11...	<.04	.83	.24	.019	.04	.086	--	--	<.006	<.006	<.004	<.005	.033

UPPER MISSISSIPPI RIVER MAIN STEM--Continued

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Date	PEB- ULATE WATER FILTRD 0.7 U GF, REC (UG/L) (82669)	PENDI- METH- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82683)	PER- METHRIN CIS WAT FLT 0.7 U GF, REC (UG/L) (82687)	PHORATE WATER FLTRD 0.7 U GF, REC (UG/L) (82664)	PRO- METON, WATER, DISS, REC (UG/L) (04037)	PRON- AMIDE WATER FLTRD 0.7 U GF, REC (UG/L) (82676)	PROPA- CHLOR, WATER, DISS, REC (UG/L) (04024)	PRO- PANIL WATER FLTRD 0.7 U GF, REC (UG/L) (82679)	PRO- PARGITE WATER FLTRD 0.7 U GF, REC (UG/L) (82685)	SI- MAZINE, WATER, DISS, REC (UG/L) (04035)	TEBU- THIURON WATER FLTRD 0.7 U GF, REC (UG/L) (82670)	TER- BACIL WATER FLTRD 0.7 U GF, REC (UG/L) (82665)	TER- BUFOS WATER FLTRD 0.7 U GF, REC (UG/L) (82675)
OCT 17...	<.002	<.010	<.006	<.011	.02	<.004	<.010	<.011	<.03	<.011	.02	<.034	<.02
NOV 27...	--	--	--	--	--	--	--	--	--	--	--	--	--
DEC 19...	<.002	<.010	<.006	<.011	<.01	<.004	<.010	<.011	<.02	<.011	<.02	<.034	<.02
19...	--	--	--	--	--	--	--	--	--	--	--	--	--
JAN 23...	--	--	--	--	--	--	--	--	--	--	--	--	--
FEB 14...	<.004	<.022	<.006	<.011	<.03	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
MAR 08...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
11...	--	--	--	--	--	--	--	--	--	--	--	--	--
12...	--	--	--	--	--	--	--	--	--	--	--	--	--
APR 16...	<.004	<.022	<.006	<.011	E.01	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
16...	--	--	--	--	--	--	--	--	--	--	--	--	--
MAY 08...	<.004	E.020	<.006	<.011	.02	<.004	<.010	<.011	<.02	<.007	<.02	<.034	<.02
JUN 13...	<.004	<.022	<.006	<.011	.22	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
JUL 22...	<.004	<.022	<.006	<.011	.04	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
22...	<.004	<.022	<.006	<.011	.04	<.004	<.010	<.011	<.02	<.005	<.02	<.034	<.02
AUG 15...	<.004	<.022	<.006	<.011	.04	<.011	<.010	<.011	<.02	<.005	E.01	<.034	<.02
15...	.117	.154	.053	E.104	.18	.123	.134	.118	.12	.087	.19	E.136	E.10
SEP 11...	<.004	<.022	<.006	<.011	.06	<.020	<.010	<.011	<.02	<.005	<.02	<.034	<.02

Date	THIO- BENCARB WATER FLTRD 0.7 U GF, REC (UG/L) (82681)	TRIAL- LATE WATER FLTRD 0.7 U GF, REC (UG/L) (82678)	TRI- FLUR- ALIN WAT FLT 0.7 U GF, REC (UG/L) (82661)	SED. SUSP. SIEVE DIAM. % FINER THAN (70331)	SEDI- MENT, SUS- PENDEED (MG/L) (80154)	Data base number
OCT 17...	<.005	<.002	<.009	--	--	01
NOV 27...	--	--	--	9	9.4	01
DEC 19...	<.005	<.002	<.009	--	87	01
19...	--	--	--	--	.8	77
JAN 23...	--	--	--	--	202	01
FEB 14...	<.005	<.002	<.009	--	166	01
MAR 08...	--	--	--	--	--	01
11...	--	--	--	--	--	01
11...	--	--	--	--	--	01
12...	--	--	--	--	--	01
APR 16...	<.005	<.002	<.009	--	16	01
16...	--	--	--	--	17	77
MAY 08...	<.005	<.002	E.004	--	39	01
JUN 13...	<.005	<.002	<.009	--	14	01
JUL 22...	<.005	<.002	<.009	--	4.8	01
22...	<.005	<.002	<.009	--	--	77
AUG 15...	<.005	<.002	<.009	--	21	01
15...	.117	.121	.095	--	--	77
SEP 11...	<.005	<.002	<.009	--	12	01

