

Field Data - Measurements taken on-site, 2009

MMCC1 - Middle Minnesota Watershed - Crow Creek at Noble Ave. -

Storet Code - S005-628

Flow Type	Date	Flow	Time	Temp ©	DO	pH	TT1
Base Flow	4/9/2009		7:45	3.5	13.45	8.42	60+
Base Flow	4/21/2009		7:50	3.7	14.75	8.40	60+
Base Flow	4/29/2009		9:30	8.8	11.92	8.23	60+
Base Flow	5/1/2009		10:05	9.5	15.17	8.46	60+
Base Flow	5/12/2009		9:50	11.7	14.88	8.54	60+
Base Flow	5/26/2009		8:10	15.3	6.97	8.21	60+
Base Flow	6/2/2009		8:25	15.9	6.40	8.26	60+
Storm Flow	6/8/2009		8:25	10.9	9.42	8.51	13.6
Storm Flow	6/11/2009		9:05	12.0	10.52	8.79	60.0
Base Flow	6/19/2009		7:45	17.6	7.80	8.74	60+
Base Flow	6/26/2009		8:15	18.8	7.53	8.15	60+
Base Flow	7/10/2009		8:15	19.9	6.34	8.17	60+
Base Flow	7/21/2009		8:05	18.3	5.98	8.17	60+
Base Flow	8/8/2009		9:15	19.2	3.72	7.97	57.2
Base Flow	8/21/2009		8:10	16.7	3.74	8.18	54.4
Base Flow	9/3/2009		8:10	15.0	3.41	8.13	60+
Base Flow	9/24/2009		8:20	15.8	3.09	7.94	60+
Storm Flow	10/2/2009		8:05	11.9	6.48	8.09	31.9
Storm Flow	10/3/2009		10:05	10.4	4.76	8.16	60+
Storm Flow	10/8/2009		9:35	9.2	4.77	8.36	60+
Storm Flow	10/13/2009		8:25	3.5	5.52	8.58	60+

Field Data - Measurements taken on-site, 2009

MMWC - Middle Minnesota Watershed - Wabasha Creek at Co. Hwy 11 in MN River Valley -

Storet Code - S005-627

Flow Type	Date	Flow	Time	Temp ©	DO	pH	TT1
Flood Flow	4/9/2009		8:30	4.9	10.84	8.13	27.8
Base Flow	4/21/2009		8:30	5.4	11.47	8.35	60+
Base Flow	4/29/2009		10:10	10.0	11.22	8.41	60+
Base Flow	5/1/2009		11:00	12.3	13.59	8.56	47.0
Base Flow	5/12/2009		10:40	13.4	13.43	8.82	60+
Base Flow	5/26/2009		9:30	16.7	8.27	8.52	60+
Base Flow	6/2/2009		10:00	16.8	9.21	8.64	60+
Storm Flow	6/8/2009		9:15	11.9	9.73	8.86	60+
Storm Flow	6/11/2009		9:50	14.9	9.95	9.11	60.0
Base Flow	6/19/2009		8:20	20.8	7.76	9.10	60+
Base Flow	6/26/2009		9:00	22.1	7.98	8.39	60+
Base Flow	7/10/2009		9:10	20.7	8.14	8.37	60+
Base Flow	7/21/2009		8:55	19.7	8.31	8.34	60+
Base Flow	8/8/2009		8:45	20.2	4.43	8.32	60.0
Base Flow	8/21/2009		8:50	16.8	3.91	8.43	60+
Base Flow	9/3/2009		9:05	16.0	3.54	8.32	60+
Base Flow	9/24/2009		9:10	16.7	3.27	8.25	50.0
Storm Flow	10/2/2009		8:45	11.6	4.16	8.34	60+
Storm Flow	10/3/2009		10:40	10.5	4.52	8.36	60+
Storm Flow	10/8/2009		10:15	9.2	4.90	8.52	45.0
Storm Flow	10/13/2009		8:55	2.8	5.47	8.68	60+

Field Data - Measurements taken on-site, 2009

MMNE - Middle Minnesota Watershed - North Eden Creek at Co. Hwy 10 in MN River Valley -

Storet Code - S005-626

Flow Type	Date	Flow	Time	Temp ©	DO	pH	TT1
Base Flow	4/9/2009		8:50	3.2	15.66	8.52	60+
Base Flow	4/21/2009		9:00	5.5	14.80	8.44	60+
Base Flow	4/29/2009		10:30	9.5	13.74	8.40	60+
Base Flow	5/1/2009		11:25	13.2	14.03	8.67	60+
Base Flow	5/12/2009		11:10	13.5	11.75	8.83	60+
Base Flow	5/26/2009		9:50	15.4	9.46	8.58	60+
Base Flow	6/2/2009		10:30	15.0	9.76	8.72	60+
Storm Flow	6/8/2009		9:45	11.4	10.61	8.90	60+
Storm Flow	6/11/2009		10:20	14.9	9.95	9.17	60+
Base Flow	6/19/2009		8:55	19.2	8.80	9.19	60+
Base Flow	6/26/2009		9:30	20.0	8.88	8.43	60+
Base Flow	7/10/2009		9:35	20.0	8.49	8.36	60+
Base Flow	7/21/2009		9:25	17.1	9.15	8.30	60+
Base Flow	8/8/2009		8:25	18.8	4.57	8.33	60+
Base Flow	8/21/2009		9:15	15.3	4.02	8.40	60+
Base Flow	9/3/2009		9:35	13.9	3.93	8.31	60+
Base Flow	9/24/2009		9:35	15.9	3.89	8.28	60+
Storm Flow	10/2/2009		9:05	11.2	4.46	8.37	60+
Storm Flow	10/3/2009		11:00	10.3	4.48	8.47	60+
Storm Flow	10/8/2009		10:40	9.2	5.25	8.58	60+
Storm Flow	10/13/2009		9:25	2.8	5.46	8.67	60+

Field Data - Measurements taken on-site, 2009

MMSC - Middle Minnesota Watershed - Spring Creek @ Co. Hwy 10 in MN River Valley

Storet Code - S005-625

Flow Type	Date	Flow	Time	Temp ©	DO	pH	TT1
Base Flow	4/9/2009		9:30	4.5	15.45	8.53	60+
Base Flow	4/21/2009		9:30	6.6	15.96	8.49	60+
Base Flow	4/29/2009		11:30	10.1	14.72	8.50	60+
Base Flow	5/1/2009		11:50	13.7	17.52	8.64	60+
Base Flow	5/12/2009		11:45	13.9	11.83	8.73	60+
Base Flow	5/27/2009		14:00	15.1	11.75	9.06	60+
Base Flow	6/2/2009		11:00	16.8	11.49	8.95	60+
Storm Flow	6/8/2009		10:05	11.4	10.61	8.95	31.4
Storm Flow	6/11/2009		10:50	15.1	10.15	9.15	60.0
Base Flow	6/19/2009		9:25	19.3	9.18	9.18	60+
Base Flow	6/26/2009		10:00	21.1	9.31	8.43	60+
Base Flow	7/10/2009		10:00	20.3	9.39	8.40	60+
Base Flow	7/21/2009		9:45	18.6	9.61	8.41	60+
Base Flow	8/8/2009		8:05	18.2	4.65	8.38	60+
Base Flow	8/21/2009		9:40	16.0	4.16	8.47	60+
Base Flow	9/3/2009		10:00	14.9	4.01	8.43	60+
Base Flow	9/24/2009		10:00	15.9	4.14	8.40	60+
Storm Flow	10/2/2009		9:30	11.9	4.39	8.42	18.2
Storm Flow	10/3/2009		11:25	10.8	4.42	8.56	60+
Storm Flow	10/8/2009		11:05	10.3	5.15	8.57	47.6
Storm Flow	10/13/2009		9:45	4.1	5.29	8.74	60+

Field Data - Measurements taken on-site, 2009

County Ditch 13 - Middle Minnesota Watershed - @ Co Hwy 10 -

Storet Code - S005-623

Flow Type	Date	Flow	Time	Temp ©	DO	pH	TT1
Base Flow	4/21/2009		10:00	5.7	16.71	8.55	60+
Base Flow	4/29/2009		11:50	9.0	13.03	8.39	60+
Base Flow	5/1/2009		12:15	12.2	15.34	8.58	60+
Base Flow	5/12/2009		12:05	12.4	12.33	8.53	60+
Base Flow	5/27/2009		14:30	13.2	8.92	8.58	60+
Base Flow	6/2/2009		11:25	16.2	7.43	8.49	60+
Storm Flow	6/8/2009		10:35	10.6	9.65	8.91	53.8
Storm Flow	6/11/2009		11:15	14.1	9.89	8.88	60+
Base Flow	6/19/2009		9:50	18.1	8.01	8.78	60+
Base Flow	6/26/2009		10:25	19.3	7.49	8.16	60+
Base Flow	7/10/2009		10:30	20.3	6.89	8.21	60+
Base Flow	7/21/2009		10:10	18.0	6.94	8.26	60+
Base Flow	8/8/2009		7:45	18.6	4.19	8.27	60+
Base Flow	8/21/2009		10:00	16.3	3.80	8.28	60+
Base Flow	9/3/2009		10:20	14.5	3.83	8.39	60+
Zero Flow	9/24/2009			No Flow - No Sample			
Storm Flow	10/2/2009		9:45	12.3	3.84	7.88	26.0
Storm Flow	10/3/2009		11:40	11.5	4.11	7.98	57.6
Storm Flow	10/8/2009		11:25	11.1	5.43	7.98	42.3
Storm Flow	10/13/2009		10:05	6.6	5.41	8.34	60+

Field Data - Measurements taken on-site, 2009

County Ditch 10 - Middle Minnesota Watershed - @ Co. Hwy 29 -

Storet Code - S005-624

Flow Type	Date	Flow	Time	Temp ©	DO	pH	TT1
Base Flow	4/9/2009		10:00	4.1	16.41	8.49	60+
Base Flow	4/21/2009		10:20	6.5	16.47	8.61	60+
Base Flow	4/29/2009		12:10	9.2	14.68	8.62	60+
Base Flow	5/1/2009		12:35	13.6	18.49	8.90	60+
Base Flow	5/12/2009		12:25	11.8	15.66	8.84	60+
Base Flow	5/27/2009		14:45	13.8	11.07	8.81	60+
Base Flow	6/2/2009		11:45	16.2	10.40	8.87	60+
Storm Flow	6/8/2009		11:00	11.2	10.76		60+
Storm Flow	6/11/2009		11:35	13.7	10.63	9.05	60+
Base Flow	6/19/2009		10:10	16.7	9.34	8.96	60+
Base Flow	6/26/2009		10:45	20.0	8.01	8.27	60+
Base Flow	7/10/2009		11:00	20.6	7.72	8.31	60+
Zero Flow	7/21/2009		10:30	No Flow - No Sample			
Zero Flow	8/8/2009		7:40	No Flow - No Sample			
Base Flow	8/21/2009		10:20	16.3	4.11	8.45	60+
Zero Flow	9/3/2009		10:30	No Flow - No Sample			
Zero Flow	9/24/2009			No Flow - No Sample			
Storm Flow	10/2/2009		10:10	11.3	4.22	8.14	13.0
Storm Flow	10/3/2009		12:05	10.9	4.33	8.32	60+
Storm Flow	10/8/2009		11:50	11.1	5.28	8.36	60+
Storm Flow	10/13/2009		10:30	5.9	5.11	8.56	60+