

## 05078770 JUDICIAL DITCH 66 NEAR MARCOUX CORNERS, MN (SW6)—Continued

## GLACIAL RIDGE HYDROLOGY

## WATER-QUALITY RECORDS

PERIOD OF RECORD.--September 2002 to current year.

## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004

Date	Time	Sample type	Instantaneous discharge, cfs (00061)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	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 uS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Calcium water, fltrd, mg/L (00915)	
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 incm. titr., field, mg/L (00453)	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Ammonia + org-N, water, fltrd, mg/L as N (00623)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	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)
NOV 04...	0830	Environmental	.54	738	12.2	8.2	7.8	531	541	-5.0	.0	66.0	
DEC 09...	1030	Environmental	.88	744	11.7	8.1	7.9	533	534	-12.0	.0	70.1	
JAN 20...	1550	Environmental	.07	737	12.4	8.7	7.9	571	558	12.0	.0	76.1	
MAR 02...	1400	Environmental	.23	741	9.5	7.8	6.9	434	512	-1.0	.0	45.9	
MAR 30...	1500	Environmental	26	745	10.9	7.6	7.6	316	326	4.0	3.9	36.2	
APR 14...	1330	Environmental	3.4	739	11.7	8.3	8.0	454	519	9.5	7.0	63.9	
MAY 12...	1650	Environmental	63	731	11.2	8.1	7.5	432	431	5.5	6.6	42.9	
MAY 25...	1450	Environmental	5.0	733	12.9	8.4	8.1	579	600	7.5	10.1	71.9	
JUL 14...	0800	Environmental	1.8	737	8.0	8.0	8.0	458	491	19.0	18.9	49.1	
SEP 01...	0840	Environmental	2.9	741	8.0	8.0	7.9	449	482	15.0	17.1	53.4	
NOV 04...	31.2	4.41	8.59	212	259	8.67	69.5	.40	.46	.08	.89	.010	<.02
DEC 09...	30.2	4.01	7.96	215	262	9.07	63.4	.41	.41	.09	1.47	.012	<.02
JAN 20...	30.9	3.84	8.66	220	268	12.0	53.5	.36	.52	.10	2.71	.010	E.01
MAR 02...	16.8	17.4	13.4	133	162	30.5	31.5	2.0	2.1	.04	1.88	.032	.15
MAR 30...	16.3	8.02	5.58	125	152	5.76	33.4	1.4	1.6	.27	.52	.027	.18
APR 14...	28.9	4.63	7.51	186	227	7.09	64.6	.38	.47	<.04	.61	E.004	<.02
MAY 12...	22.5	5.35	10.2	110	134	11.6	78.5	1.4	2.5	.29	1.92	.056	.07
MAY 25...	33.3	3.89	12.8	227	277	17.3	70.2	.57	.67	<.04	.40	E.006	<.02
JUL 14...	27.2	3.00	7.18	174	212	7.86	59.8	.49	.55	<.04	.28	E.007	<.02
SEP 01...	26.4	4.10	8.08	187	228	8.87	51.5	.54	.70	E.02	.20	E.005	<.02

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## WATER-QUALITY DATA, WATER YEAR OCTOBER 2003 TO SEPTEMBER 2004—CONTINUED

Date	Phosphorus, water, fltrd, mg/L (00666)	Phosphorus, water, unfltrd mg/L (00665)	Suspended sediment concentration mg/L (80154)	2-[(2-Ethyl-6methyl phenyl) amino]2 oxoESA ug/L (62850)	CIAT, water, fltrd, ug/L (04040)	CEAT, water, fltrd, ug/L (04038)	Aceto-chlor ESA, water, fltrd 0.7u GF ug/L (61029)	Aceto-chlor OA, water, fltrd 0.7u GF ug/L (61030)	Aceto-chlor SAA, water, fltrd, ug/L (62847)	Aceto-chlor, water, fltrd, ug/L (49260)	Ala-chlor ESA SA, water, fltrd, ug/L (62849)	Ala-chlor ESA, water, fltrd 0.7u GF ug/L (50009)	Ala-chlor OA, water, fltrd 0.7u GF ug/L (61031)	
NOV 04...	.008	.021	--	--	--	--	--	--	--	--	--	--	--	
DEC 09...	.004	.014	45	--	--	--	--	--	--	--	--	--	--	
JAN 20...	.008	.038	--	--	--	--	--	--	--	--	--	--	--	
MAR 02...	.25	.28	--	--	--	--	--	--	--	--	--	--	--	
MAR 30...	.23	.42	329	--	--	--	--	--	--	--	--	--	--	
APR 14...	.013	.032	72	--	--	--	--	--	--	--	--	--	--	
MAY 12...	.113	.42	360	--	--	--	--	--	--	--	--	--	--	
MAY 25...	.008	.020	77	--	--	--	--	--	--	--	--	--	--	
JUL 14...	.010	.025	32	<.02	<.05	<.05	<.02	<.02	<.02	<.02	<.02	<.02	<.02	
SEP 01...	.015	.052	--	--	--	--	--	--	--	--	--	--	--	
Date	Ala-chlor, water, fltrd, ug/L (46342)	Ala-chlor SAA, water, fltrd, ug/L (62848)	Ametryn water, fltrd, ug/L (38401)	Atra-zine, water, fltrd, ug/L (39632)	Cyana-zine amide, water, fltrd, ug/L (61709)	Cyana-zine, water, fltrd, ug/L (04041)	Dimeth-enamid ESA, water, fltrd, ug/L (61951)	Dimeth-enamid OA, water, fltrd, ug/L (62482)	Dimeth-enamid water, fltrd, ug/L (61588)	Flufen-acet ESA, water, fltrd, ug/L (61952)	Flufe-nacet OA, water, fltrd, ug/L (62483)	Flufe-nacet, water, fltrd, ug/L (62481)	Metola-chlor ESA, water, fltrd 0.7u GF ug/L (61043)	
JUL 14...	<.02	<.02	<.05	<.05	<.05	<.05	<.02	<.02	<.02	<.02	<.02	<.02	.04	
Date	Metola-chlor OA, water, fltrd 0.7u GF ug/L (61044)	Metola-chlor, water, fltrd, ug/L (39415)	Metri-buzin, water, fltrd, ug/L (82630)	Pendi-meth-alin, water, fltrd 0.7u GF ug/L (82683)	Prome-ton, water, fltrd, ug/L (04037)	Prome-tryn, water, fltrd, ug/L (04036)	Propa-chlor ESA, water, fltrd 0.7u GF ug/L (62766)	Propa-chlor OA, water, fltrd 0.7u GF ug/L (62767)	Propa-chlor, water, fltrd, ug/L (04024)	Propa-zine, water, fltrd, ug/L (38535)	Sima-zine, water, fltrd, ug/L (04035)	Ter-butryn, water, fltrd, ug/L (38888)	Deu-terium/Protium ratio, water, unfltrd per mil (82082)	O-18 / O-16 ratio, water, unfltrd per mil (82085)
JUL 14...	<.02	<.02	<.05	<.05	<.05	<.05	<.05	<.02	<.02	<.05	<.05	<.05	-72.20	-8.97