

05078470 JUDICIAL DITCH 64 NEAR MENTOR, MN (SW4)—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 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)	
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)	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...	1030	Environmental	.14	735	12.0	8.3	8.0	654	666	-2.0	.0	97.4	
DEC 09...	1300	Environmental	.07	741	11.2	8.1	8.0	724	726	-6.0	.0	121	
JAN 21...	1100	Environmental	.02	736	9.6	8.6	7.8	597	616	E-17.0	.0	84.7	
MAR 25...	1450	Environmental	14	731	7.7	8.0	7.7	243	261	12.5	.0	28.8	
APR 15...	1030	Environmental	2.0	728	11.3	8.1	7.9	488	558	7.0	3.3	76.9	
MAY 13...	1245	Environmental	26	740	10.4	8.1	7.8	434	433	1.5	4.1	48.6	
MAY 26...	1020	Environmental	5.3	723	11.2	8.1	8.0	602	623	16.5	8.9	77.6	
JUL 12...	1520	Environmental	2.1	732	9.6	8.2	8.2	503	548	28.5	24.0	66.6	
AUG 31...	1020	Environmental	2.5	737	7.9	7.8	8.0	498	544	18.5	15.1	69.2	
NOV 04...	33.5	5.19	8.57	324	395	9.71	44.0	.58	.62	<.04	.15	<.008	<.02
DEC 09...	38.1	3.47	6.27	367	448	8.56	40.9	.51	.49	.05	.80	.010	<.02
JAN 21...	34.0	3.50	6.88	289	353	10.2	37.6	.56	.76	.16	.23	E.005	<.02
MAR 25...	10.4	7.83	7.23	103	126	9.20	9.0	1.2	1.5	.09	.20	.022	<.02
APR 15...	31.2	6.62	7.78	243	296	7.56	42.4	.75	.79	<.04	E.04	<.008	<.02
MAY 13...	24.3	5.23	9.06	161	196	8.50	47.8	1.2	1.2	<.04	.20	.009	<.02
MAY 26...	34.5	4.45	10.5	269	328	9.62	61.4	1.1	1.1	<.04	<.06	<.008	<.02
JUL 12...	27.9	1.46	7.51	265	323	7.38	18.3	.79	.85	<.04	<.06	<.008	<.02
AUG 31...	28.6	2.75	7.96	252	308	7.21	30.7	.84	.86	<.04	E.04	<.008	E.01

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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)	Ala-chlor SAA, water, fltrd, ug/L (62848)
NOV 04...	.006	.006	--	--	--	--	--	--	--	--	--	--	--	--
DEC 09...	E.003	.007	--	--	--	--	--	--	--	--	--	--	--	--
JAN 21...	E.004	.016	--	--	--	--	--	--	--	--	--	--	--	--
MAR 25...	.046	.116	13	--	--	--	--	--	--	--	--	--	--	--
APR 15...	.014	.017	70	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	.021	.044	6	--	--	--	--	--	--	--	--	--	--	--
MAY 26...	.011	.012	42	--	--	--	--	--	--	--	--	--	--	--
JUL 12...	.014	.018	80	<.02	<.05	.07	.04	<.02	<.02	<.02	<.02	.02	<.02	<.02
AUG 31...	.014	.020	--	--	--	--	--	--	--	--	--	--	--	--
Date	Ala-chlor, water, fltrd, ug/L (46342)	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)	Flufen-acet OA, water, fltrd, ug/L (62483)	Flufen-acet, water, fltrd, ug/L (62481)	Metola-chlor ESA, water, fltrd 0.7u GF ug/L (61043)	Metola-chlor OA, water, fltrd 0.7u GF ug/L (61044)	
JUL 12...	<.02	<.05	<.05	<.05	<.05	<.02	<.02	<.02	<.02	<.02	<.02	.02	<.02	
Date	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-tyon, 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 12...	<.02	<.05	<.05	<.05	<.05	<.05	<.02	<.02	<.05	<.05	<.05	-68.80	-9.26	