

05079250 COUNTY DITCH 65 NEAR MAPLE BAY, MN (SW2)—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 03...	1230	Environmental	.06	743	6.5	7.7	7.2	585	585	-4.5	2.2	81.1	
DEC 08...	1520	Environmental	.10	733	6.0	7.2	7.5	668	662	-4.0	.0	98.6	
JAN 20...	1150	Environmental	.06	739	5.3	8.3	7.6	543	544	-14.0	.0	79.0	
MAR 02...	1010	Environmental	.15	738	4.6	7.6	7.1	492	518	-1.0	.0	70.5	
MAR 30...	1230	Environmental	32	744	9.2	7.4	7.5	250	252	2.0	.3	28.7	
APR 13...	1440	Environmental	2.3	735	10.1	8.2	7.9	431	497	9.5	5.7	65.0	
MAY 13...	0750	Environmental	41	737	9.1	8.0	7.7	421	420	-1.0	4.0	46.5	
MAY 25...	0815	Environmental	27	727	6.7	7.6	7.4	440	456	5.5	8.9	55.6	
JUL 13...	0750	Environmental	17	732	4.5	7.7	7.8	392	418	17.5	19.8	47.9	
AUG 30...	1240	Environmental	.50	737	12.8	8.2	8.2	602	647	20.0	18.8	74.3	
NOV 03...	29.8	2.66	8.16	312	381	5.62	17.9	.51	.54	<.04	<.06	<.008	<.02
DEC 08...	36.0	2.48	11.8	366	446	5.12	23.6	.51	.48	.06	<.06	E.007	<.02
JAN 20...	28.8	2.22	8.90	298	364	3.61	11.6	.70	.88	.41	<.06	<.008	<.02
MAR 02...	23.3	2.98	6.38	278	339	4.13	1.4	1.4	1.5	.87	E.04	E.006	E.01
MAR 30...	12.3	6.11	2.56	112	137	4.71	9.5	.87	1.2	.09	.67	.018	.04
APR 13...	27.7	5.19	7.61	239	292	6.81	21.9	.73	.80	<.04	<.06	<.008	<.02
MAY 13...	25.9	5.16	7.43	184	224	6.68	27.3	1.2	1.2	.06	.26	.018	<.02
MAY 25...	26.4	6.07	6.18	222	271	8.30	10.2	1.3	1.6	E.04	<.06	E.004	E.01
JUL 13...	23.0	2.58	4.98	206	251	3.79	8.6	1.2	1.3	<.04	<.06	E.004	E.01
AUG 30...	38.0	3.99	14.7	329	401	4.35	25.4	.66	.72	<.04	<.06	<.008	<.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)	Ala-chlor SAA, water, fltrd, ug/L (62848)
NOV 03...	.009	.018	--	--	--	--	--	--	--	--	--	--	--	--
DEC 08...	E.004	.013	--	--	--	--	--	--	--	--	--	--	--	--
JAN 20...	.005	.035	--	--	--	--	--	--	--	--	--	--	--	--
MAR 02...	.031	.117	--	--	--	--	--	--	--	--	--	--	--	--
MAR 30...	.076	.127	14	--	--	--	--	--	--	--	--	--	--	--
APR 13...	.016	.020	52	--	--	--	--	--	--	--	--	--	--	--
MAY 13...	.026	.052	14	--	--	--	--	--	--	--	--	--	--	--
MAY 25...	.034	.074	36	--	--	--	--	--	--	--	--	--	--	--
JUL 13...	.041	.074	--	<.02	<.05	<.05	<.02	<.02	<.02	<.02	<.02	<.02	<.02	<.02
AUG 30...	.008	.018	--	--	--	--	--	--	--	--	--	--	--	--

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)	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)	Metola-chlor OA, water, fltrd 0.7u GF ug/L (61044)
JUL 13...	<.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-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 13...	<.02	<.05	<.05	<.05	<.05	<.05	<.02	<.02	<.05	<.05	<.05	-60.40	-7.57