

ST. FRANCIS RIVER BASIN

07010180--Gravois Creek at Green Park Road, near Mehlville
(Metropolitan Sewer District)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1996 to current year.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

Table with multiple columns: CAR-BONATE WATER IT FIELD DATE TIME DIS-CHARGE, INST. CUBIC FEET PER SECOND SPE-CIFIC CON-DUCT-ANCE (µS/cm) PH WATER WHOLE FIELD (STAND-ARD) TEMPER-ATURE (DEG C) OXYGEN, SOLVED (mg/L) (00010) (00300) COLI-DIS-FORM, (PER-CENT) SATUR-ATION (00301) (31625) STREP-TOCOCCI, FECAL, (COLS./PER) (31673) E. COLI WATER WHOLE TOTAL TOT FET WH (COL / (mg/L as (mg/L) (31633) (00410) CaCO3) CO3) (00447) DEC 1996 11... 1500 2.9 1640 7.95 7.5 10.4 86 124 324 2200 244 0 MAR 1997 06... 0800 3.7 1640 7.82 4.0 12.2 92 560 6600 420 272 0 MAY 25... 2220 e209 275 7.75 19.5 7.5 80 K75500 K70000 K43000 92 0 JUN 09... 1745 e3.2 1210 7.89 19.5 7.9 86 3300 430 2300 188 0 AUG 28... 0730 e2.5 916 7.84 24.5 5.0 60 540 1220 3400 170 0 SEP 02... 1633 e2.2 690 7.77 27.5 6.8 85 K1000 K15800 K4000 106 0 PHOS-WH IT FIELD DATE (mg/L as L P) BICAR-BONATE WATER NITRO-GEN, ORGANIC TOTAL (mg/L) (00600) (00605) (00610) (00615) (00620) (00625) (71845) (71887) (00630) (00650) DEC 1996 11... 315 1.2 0.31 0.050 0.030 0.830 0.36 0.06 5.4 0.860 0.18 0.080 MAR 1997 06... 334 1.2 0.27 0.020 0.020 0.890 0.29 0.03 5.3 0.910 0.12 0.080 MAY 25... 101 -- -- 0.280 0.040 0.390 E9.2 0.36 -- 0.430 0.31 E3.40 JUN 09... 230 -- -- E0.140 E0.048 -- E0.78 -- -- E0.740 -- E0.120 AUG 28... 214 0.88 0.55 0.100 <0.010 -- 0.65 0.13 3.9 0.230 0.21 0.090 SEP 02... 129 2.5 1.9 0.070 0.026 0.424 2.0 0.09 11 0.450 0.34 0.610 LEAD, DIS-SOLVED DATE (mg/L AS P) PHOS-PHORUS ORGANIC TOTAL (mg/L) (00670) (00900) (00915) (00925) (01000) (01010) (01025) (01030) (01040) (01046) (01049) DEC 1996

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11...	0.060	0.02	430	120	32	1	<0.50	<1.0	1.7	<1.0	30
<1.0											
MAR 1997											
06...	0.040	0.04	440	120	35	<1	<0.50	<1.0	<1.0	1.1	20
<1.0											
MAY											
25...	0.100	--	90	26	6	2	<0.50	<1.0	<1.0	<1.0	10
<1.0											
JUN											
09...	0.090	--	310	85	23	4	<0.50	<1.0	<1.0	1.4	20
<1.0											
AUG											
28...	0.070	0.02	330	91	25	5	<0.50	<1.0	<1.0	2.0	7
<1.0											
SEP											
02...	0.110	0.50	160	46	12	4	<0.50	<1.0	1.5	1.8	10
<1.0											

K--Results based on colony count outside the acceptable range (non-ideal colony count).

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DATE	TOTAL (ug/L)	TOTAL (ug/L)	TOTAL (ug/L)	TOTAL (ug/L)	TOTAL (ug/L)	REC (ug/L)	TOTAL (ug/L)	REC (ug/L)	TOTAL (ug/L)	REC (ug/L)	TOTAL (ug/L)	TOTAL (ug/L)
02...	E1	<5	<0.2	<5	<5	<5	<5	<30	E2	E3	<0.2	<0.2
	1,1-DI- CHLORO- CHLORO- ETHANE	1,1-DI- CHLORO- ETHYL- ENE	1,1,1- TRI- CHLORO- ETHANE	BENZOGH I PERYL ENE1,12 -BENZOP	BENZO A ANTHRAC ENE1,2- BENZANT	BENZENE O-DI- CHLORO- WATER	1,2-DI- CHLORO- PROPANE	BENZENE 1,2,4- TRI- WAT UNF	1,2,5,6 -DIBENZ -ANTHRA -CENE	BENZENE 1,3-DI- CHLORO- WATER	2- CHLORO- NAPH- THALENE	2-
	(34496)	(34501)	(34506)	(34521)	(34526)	(34536)	(34541)	(34551)	(34556)	(34566)	(34581)	(34586)
MAY	25...	<0.2	<0.2	<0.2	E2	E4	<5	<0.2	<5	<10	<5	<5
SEP	02...	<0.2	<0.2	<0.2	E1	E1	--	--	<5	<10	--	<5

E--Laboratory estimated value.

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07010180--Gravois Creek at Green Park Road near Mehlville--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

	2-NITRO-PHENOL	DI-N-OCTYL-PHTHAL-ATE	2,4-DI-CHLORO-PHENOL	2,4-DI-METHYL-PHENOL	2,4-DI-NITRO-TOLUENE	2,4,-DI-NITRO-PHENOL	2,4,6-TRI-CHLORO-PHENOL	2,6-DI-NITRO-TOLUENE	3,3'-DI-CHLORO-BENZI-DINE	4-BROMO-PHENYL-ETHER	4-CHLORO-PHENYL-ETHER	4-
NITRO-PHENOL DATE TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
	(34591)	(34596)	(34601)	(34606)	(34611)	(34616)	(34621)	(34626)	(34631)	(34636)	(34641)	(34646)

MAY 25...	<5	<10	<5	<5	<5	<20	<20	<5	<20	<5	<5	E6
SEP 02...	<5	<10	E0.3	<5	<5	<20	<20	<5	<20	<5	<5	<30

	4,6-DINITRO-ORTHO-CRESOL	DI-CHLORO-DI-FLUORO-METHANE	PHENOL (C6H5OH)	NAPHTH-ALENE	CHLOR-PYRIFOS TOTAL RECOVER	PHORATE TOTAL	PENTA-CHLORO-PHENOL	PER-THANE	DEF	BIS(2-ETHYL-HEXYL)-PHTHAL-ATE	DI-N-BUTYL-PHTHAL-ATE	BENZI-DINE
DATE TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
	(34657)	(34668)	(34694)	(34696)	(38932)	(39023)	(39032)	(39034)	(39040)	(39100)	(39110)	(39120)

MAY 25...	<30	<0.2	<5	E0.2	0.04	<0.01	<30	<0.1	<0.01	E3	<5	<40
SEP 02...	<30	<0.2	<5	<5	0.01	<0.01	<30	<0.1	<0.02	<5	<5	<40

	VINYL-CHLORIDE	TRI-CHLORO-ETHYL-ENE	PCNS UNFILT RECOVER	ALDRIN	LINDANE	CHLOR-DANE, TECH-NICAL	P,P'-DDD UNFILT RECOVER	P,P'-DDE, UNFILT RECOVER	P,P'-DDT UNFILT RECOVER	DI-ELDRIN	ENDO-SULFAN, I
DATE TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
	(39175)	(39180)	(39250)	(39330)	(39340)	(39350)	(39360)	(39365)	(39370)	(39380)	(39388)

MAY 25...	<0.2	4.4	<0.1	<0.01	<0.01	0.1	0.02	0.01	0.01	0.02	<0.01
SEP 02...	<0.2	--	<0.1	<0.01	<0.01	0.1	0.02	0.01	0.01	0.01	<0.01

	ENDRIN WATER UNFLTRD REC	ETHION, TOTAL	TOX-APHENE, TOTAL	HEPTA-CHLOR, TOTAL	HEPTA-CHLOR-EPOXIDE TOTAL	METH-OXY-CHLOR, TOTAL	PCB, TOTAL	MALA-THION, TOTAL	PARA-THION, TOTAL	DI-AZINON, TOTAL	METHYL-PARA-THION, TOTAL
DATE TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
	(39390)	(39398)	(39400)	(39410)	(39420)	(39480)	(39516)	(39530)	(39540)	(39570)	(39600)
MAY 25...	<0.01	<0.01	<1	<0.01	<0.01	0.01	0.2	0.01	<0.01	0.2	<0.01
SEP 02...	<0.01	<0.01	<1	<0.01	<0.01	<0.01	<0.2	E0.01	<0.01	0.08	<0.01

	HEXA-CHLORO-BENZENE	HEXA-CHLORO-BUT-ADIENE	MIREX, TOTAL	TRI-THION	CIS-1,2-DI-ETHENE WATER	METH-STYRENE	FREON-113 WATER UNFLTRD REC	METHYL-TERT-BUTYL-ETHER UNF	XYLENE WATER UNFLTRD REC	FONOFOS (DY-FONATE) WATER WHOLE	1,2-DI-PHENYL-HYDRA-ZINE WATER
DATE TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)	(ug/L)
	(39700)	(39702)	(39755)	(39786)	(77093)	(77128)	(77652)	(78032)	(81551)	(82614)	(82626)

MAY 25...	<5	<5	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.010	<5
SEP 02...	<5	<5	<0.01	<0.01	<0.2	<0.2	<0.2	<0.2	<0.2	<0.010	<5

E--Laboratory estimated value.