



Water-Data Report 2007

07019365 ROCK CREEK AT KIMMSWICK, MO

Lower Mississippi Basin
Meramec Subbasin

LOCATION.--Lat 38°22'01", long 90°22'16" referenced to North American Datum of 1983, Jefferson County, MO, Hydrologic Unit 07140101.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--March 2007 to May 2007, as part of a synoptic study performed in cooperation with the Missouri Department of Natural Resources.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 1 of 5

[Remark codes: <, less than; E, estimated.]

Date	Time	Sample type	Instantaneous dissolved charge, cfs (00061)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unfiltered μS/cm 25 degC (00095)	Temperature, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	ANC, water unfiltered end pt, mg/L as CaCO3 (00410)
Mar 12...	1405	Environmental	9.8	18.5	178	8.1	615	12.9	270	85.0	12.9	203
May 21...	1510	Environmental	E9.8	6.2	78	7.8	537	25.9	250	76.5	14.0	200

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 2 of 5

[Remark codes: <, less than; E, estimated. Microbiology results with a remark code of E are based on non-ideal colony counts.]

Date	ANC, water unfiltered, mg/L as CaCO3 (00419)	Bicarbonate, water unfiltered, mg/L (00450)	Carbonate, water unfiltered, mg/L (00447)	Chloride, water, filtered, mg/L (00940)	Residue total non-filterable, mg/L (00530)	Ammonia org-N, water, unfiltered, mg/L as N (00625)	Ammonia water, filtered, mg/L as N (00608)	Nitrate + nitrite, water, filtered, mg/L as N (00631)	Nitrite, water, filtered, mg/L as N (00613)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L (00665)	COD, high level, water, unfiltered, mg/L (00340)	E coli, modified, m-TEC, water, col/100 mL (90902)
Mar 12...	201	245	1	47.2	<10	.12	E.016	.20	.003	.020	E.03	<10	E6
May 21...	199	241	<1	29.5	31	.71	.065	.28	.016	.039	.15	10	140

07019365 ROCK CREEK AT KIMMSWICK, MO—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 3 of 5

[Remark codes: <, less than; E, estimated. Microbiology results with a remark code of E are based on non-ideal colony counts.]

Date	Fecal coli-form, M-FC 0.7u MF col/ 100 mL (31625)	Aluminum, water, unfltrd, recover-able, fltrd, µg/L (01106)	Aluminum, water, unfltrd, recover-able, fltrd, µg/L (01105)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd, µg/L (01002)	Beryllium, water, fltrd, recover-able, µg/L (01010)	Beryllium, water, unfltrd, recover-able, µg/L (01012)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd, µg/L (01027)	Chromium, water, fltrd, recover-able, µg/L (01030)	Chromium, water, unfltrd, recover-able, µg/L (01034)	Copper, water, fltrd, recover-able, µg/L (01040)	Copper, water, unfltrd, recover-able, µg/L (01042)
Mar 12...	E12	1.7	37	.41	.58	<.06	<.06	E.02	E.01	.16	<.60	.48	E1.1
May 21...	88	7.9	351	1.5	2.0	<.06	E.03	<.04	.02	E.11	E.57	.71	1.2

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 4 of 5

[Remark codes: <, less than; E, estimated.]

Date	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd, recover-able, µg/L (01045)	Lead, water, fltrd, recover-able, µg/L (01049)	Lead, water, unfltrd, recover-able, µg/L (01051)	Manganese, water, fltrd, recover-able, µg/L (01056)	Manganese, water, unfltrd, recover-able, µg/L (01055)	Mercury water, fltrd, recover-able, µg/L (71900)	Nickel, water, fltrd, recover-able, µg/L (01065)	Nickel, water, unfltrd, recover-able, µg/L (01067)	Selenium, water, fltrd, µg/L (01145)	Selenium, water, unfltrd, µg/L (01147)	Silver, water, fltrd, recover-able, µg/L (01075)	Silver, water, unfltrd, recover-able, µg/L (01077)
Mar 12...	55	148	<.12	.11	90.2	90.3	<.010	.65	.69	.24	.21	<.1	<.02
May 21...	11	582	<.12	1.34	254	396	<.010	1.2	1.9	.32	.37	<.1	E.01

WATER-QUALITY DATA
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Part 5 of 5

[Remark codes: <, less than; E, estimated.]

Date	Zinc, water, fltrd, recover-able, µg/L (01090)	Zinc, water, unfltrd, recover-able, µg/L (01092)
Mar 12...	.87	E1
May 21...	E.54	3.2