

06926510 OSAGE RIVER BELOW ST. THOMAS, MO--Continued  
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1974 to current year.

PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: October 1974 to September 1981.

WATER TEMPERATURE: October 1974 to September 1981.

REMARKS.--National stream-quality accounting network station October 1975 to September 1995. Ambient water-quality monitoring station October 1995 to current year.

EXTREMES FOR PERIOD OF DAILY RECORD.--

SPECIFIC CONDUCTANCE: Maximum daily, 398 microsiemens per centimeter, Jan. 1, 1981; minimum daily, 140 microsiemens per centimeter, Sept. 3, 1981.

WATER TEMPERATURE: Maximum daily, 30.0°C, July 29, 1977, and July 25 and Aug. 11, 1980; minimum daily, 0.0°C, Jan. 21, 1978.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (000061)	TEMPERATURE PER WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	TURBIDITY (NTU) (00076)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (mg/L) (00340)	COLIFORM, FECAL, µM-MF (COLS./100 mL) (31625)	STREPTOCOCCI, FECAL, KF AGAR (COLS. PER 100 mL) (31673)	E. COLI WATER TOTAL UREASE (COL / 100 mL) (31633)		
DATE		ANC WATER UNFLTRD FET (mg/L as CaCO <sub>3</sub> ) (00410)	ANC BICARBONATE IT FIELD (mg/L as HCO <sub>3</sub> ) (00450)	ANC CARBONATE IT FIELD (mg/L as CO <sub>3</sub> ) (00447)	NITROGEN, NO <sub>2</sub> +NO <sub>3</sub> DIS-SOLVED (mg/L as N) (00631)	NITROGEN, NITRITE DIS-SOLVED (mg/L as N) (00613)	NITROGEN, AMMONIA DIS-SOLVED (mg/L as N) (00608)	NITROGEN, AMMONIA + ORGANIC DIS. SOLVED (mg/L as N) (00623)	PHOSPHORUS DIS-SOLVED (mg/L as P) (00666)	PHOSPHORUS ORTHO, DIS-SOLVED (mg/L as P) (00671)	HARDNESS TOTAL (mg/L as CaCO <sub>3</sub> ) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)	MAGNESIUM, DIS-SOLVED (mg/L as Mg) (00925)
NOV 07...	1040	1090	10.0	298	8.09	--	10.8	94	<10	23	69	K11	
JAN 22...	1015	12000	3.1	280	7.75	4.5	11.8	87	--	K6	K10	K2	
MAR 18...	1150	31000	5.2	220	7.80	61	11.5	89	--	K18000	37000	K1600	
MAY 19...	1045	11000	21.2	273	7.73	--	7.4	84	<10	K23	K30	K15	
AUG 24...	1245	4600	27.3	276	7.73	2.9	7.4	94	--	44	K38	K13	
SEP 16...	1200	20000	25.8	269	7.89	4.3	4.8	58	--	95	195	76	
NOV 07...	121	147	0	0.13	0.03	<0.02	0.2	<0.01	0.01	140	37	13	
JAN 22...	120	100	0	0.49	0.01	<0.02	0.2	<0.01	0.01	130	37	8.1	
MAR 18...	94	110	0	0.48	<0.01	0.03	0.7	0.05	0.03	110	29	9.2	
MAY 19...	104	124	0	0.67	<0.01	0.05	0.4	0.02	0.02	120	35	8.2	
AUG 24...	131	161	0	0.12	<0.01	<0.02	0.6	0.17	0.03	120	33	10	
SEP 16...	107	131	0	0.12	0.01	0.06	0.7	0.03	0.03	120	33	9.4	

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

## 06926510 OSAGE RIVER BELOW ST. THOMAS, MO--Continued

## WATER-QUALITY DATA, WATER YEAR OCTOBER 1997 TO SEPTEMBER 1998

DATE	SODIUM, DIS- SOLVED (mg/L as Na) (00930)	POTAS- SIUM, DIS- SOLVED (mg/L as K) (00935)	SULFATE DIS- SOLVED (mg/L as SO <sub>4</sub> ) (00945)	CHLO- RIDE, DIS- SOLVED (mg/L as Cl) (00940)	FLUO- RIDE, DIS- SOLVED (mg/L as F) (00950)	SILICA, DIS- SOLVED (mg/L as SiO <sub>2</sub> ) (00955)	SOLIDS, RESIDUE AT 180 DEG. C DIS- SOLVED (mg/L) (70300)	SOLIDS, SUM OF CONSTI- TUENTS, DIS- SOLVED (mg/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	RESIDUE TOTAL AT 105 DEG. C, SUS- PENDED (mg/L) (00530)	ALUM- INUM, TOTAL RECOV- ERABLE (µg/L as Al) (01105)
NOV 07...	6.6	2.9	21	7.1	<0.1	--	171	160	502	6	120
JAN 22...	6.6	3.4	26	6.9	0.1	5.4	175	147	5680	--	--
MAR 18...	5.0	3.0	19	6.2	0.1	5.7	156	133	13000	--	--
MAY 19...	5.7	2.9	25	6.5	0.1	--	169	148	4970	14	430
AUG 24...	4.9	2.8	17	5.1	0.1	4.0	160	157	2000	--	--
SEP 16...	5.2	2.8	19	5.8	0.1	3.4	162	144	8730	--	--

  

DATE	ALUM- INUM, DIS- SOLVED (µg/L as Al) (01106)	CADMIUM WATER UNFLTRD TOTAL (µg/L as Cd) (01027)	CADMIUM DIS- SOLVED (µg/L as Cd) (01025)	COPPER, DIS- SOLVED (µg/L as Cu) (01040)	IRON, DIS- SOLVED (µg/L as Fe) (01046)	LEAD, TOTAL RECOV- ERABLE (µg/L as Pb) (01051)	LEAD, DIS- SOLVED (µg/L as Pb) (01049)	MANGA- NESE, DIS- SOLVED (µg/L as Mn) (01056)	MERCURY TOTAL RECOV- ERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOV- ERABLE (µg/L as Zn) (01092)	ZINC, DIS- SOLVED (µg/L as Zn) (01090)
NOV 07...	12.2	<1	1	<10	4	<1	<10	9	<0.1	<10	3
MAY 19...	85.2	<1	<8	<10	69	<1	<100	5	<0.1	<10	<20