

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 1996 TO SEPTEMBER 1997

DATE	TIME	DIS- CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	SPE- CIFIC CON- DUCT- ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND- ARD UNITS) (00400)	TEMPER- ATURE WATER (DEG C) (00010)	TUR- BID- ITY (NTU) (00076)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (mg/L) (00300)	OXYGEN, DIS- SOLVED (PER- CENT SATUR- ATION) (mg/L) (00301)	COLI- FORM, FECAL, KF AGAR µm-MF (COLS./ 100 mL) (31625)	STREP- TOCOCCI FECAL, KF AGAR PER (COLS. 100 mL) (31673)	HARD- NESS TOTAL (mg/L as CaCO ₃) (00900)	CALCIUM DIS- SOLVED (mg/L as Ca) (00915)	
DATE		MAGNE- SIUM, DIS- SOLVED (mg/L as Mg) (00925)	SODIUM, DIS- SOLVED (mg/L as Na) (00930)	POTAS- SIUM, DIS- SOLVED (mg/L as K) (00935)	ALKA- LINITY WAT DIS TOT IT FIELD (mg/L as CaCO ₃) (39086)	BICAR- BONATE WATER DIS IT FIELD (mg/L as HCO ₃) (00453)	CAR- BONATE WATER DIS IT FIELD (mg/L as CO ₃) (00452)	SULFATE DIS- SOLVED (mg/L as SO ₄) (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 ₂) (00955)	SOLIDS RESIDUE AT 180 DEG. C DIS- SOLVED (mg/L) (70300)	
NOV	22...	1130	27800	195	7.83	11.5	4.2	9.0	81	40	K35	130	35
JAN	21...	1015	2910	277	7.52	4.0	4.7	11.2	85	9	38	120	34
MAR	20...	1015	35900	266	7.93	8.0	22	10.7	88	80	400	120	35
MAY	12...	1045	1050	307	8.29	19.5	3.8	10.5	113	21	55	140	36
JUL	28...	1155	3900	304	7.71	25.5	3.1	5.5	66	K19	20	130	38
SEP	04...	1120	2720	298	7.06	23.5	3.9	5.5	64	145	140	130	36
NOV	22...	9.4	5.6	3.5	111	133	0	19	5.9	0.2	3.8	158	
JAN	21...	9.3	5.0	3.8	107	127	0	19	6.8	0.1	7.0	162	
MAR	20...	8.1	6.1	3.3	114	140	0	23	7.2	0.2	4.4	159	
MAY	12...	13	5.0	2.9	137	170	0	19	6.8	0.1	1.3	181	
JUL	28...	9.3	5.8	3.1	110	134	0	24	6.5	0.1	4.3	175	
SEP	04...	10	5.9	3.0	107	132	0	22	6.3	0.1	3.7	173	

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 1996 TO SEPTEMBER 1997

DATE	SOLIDS, SUM OF CONSTITUENTS, DIS- SOLVED (mg/L) (70301)	SOLIDS, DIS- SOLVED (TONS PER AC-FT) (70303)	SOLIDS, DIS- SOLVED (TONS PER DAY) (70302)	NITRO- GEN, NITRITE DIS- SOLVED (mg/L as N) (00613)	NITRO- GEN, NO ₂ +NO ₃ DIS- SOLVED (mg/L as N) (00631)	NITRO- GEN, AMMONIA DIS- SOLVED (mg/L as N) (00608)	NITRO- GEN,AM- MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS- PHORUS TOTAL (mg/L as P) (00665)	PHOS- PHORUS DIS- SOLVED (mg/L as P) (00666)	PHOS- PHORUS ORTHO, DIS- SOLVED (mg/L as P) (00671)	ALUM- INUM, DIS- SOLVED (µg/L as AL) (01106)
NOV 22...	149	0.21	11900	<0.010	0.30	0.015	0.41	<0.02	<0.02	0.02	<5.0
JAN 21...	151	0.22	1270	<0.010	0.54	<0.010	0.46	0.04	0.03	<0.01	187
MAR 20...	159	0.22	15400	0.015	0.45	0.086	0.70	0.04	<0.02	0.02	206
MAY 12...	169	0.25	513	0.012	0.06	0.044	0.56	<0.02	0.06	0.08	24.7
JUL 28...	158	0.24	1840	0.013	0.11	0.040	0.34	<0.02	<0.02	0.02	--
SEP 04...	154	0.24	1270	<0.010	0.10	0.120	0.43	<0.02	<0.02	0.03	7.4
DATE	BARIUM, DIS- SOLVED (µg/L as Ba) (01005)	COBALT, DIS- SOLVED (µg/L as Co) (01035)	IRON, DIS- SOLVED (µg/L as Fe) (01046)	LITHIUM DIS- SOLVED (µg/L as Li) (01130)	MANGA- NESE, DIS- SOLVED (µg/L as Mn) (01056)	MOLYB- DENUM, DIS- SOLVED (µg/L as Mo) (01060)	NICKEL, DIS- SOLVED (µg/L as Ni) (01065)	SELE- NIUM, DIS- SOLVED (µg/L as Se) (01145)	SILVER, DIS- SOLVED (µg/L as Ag) (01075)	STRON- TIUM, DIS- SOLVED (µg/L as Sr) (01080)	VANA- DIUM, DIS- SOLVED (µg/L as V) (01085)
NOV 22...	64	<3	<3	<4	4	<10	<1	<1	<1	110	<6
JAN 21...	64	<3	310	<4	27	<10	1	<1	<1	98	<6
MAR 20...	56	<3	130	<4	5	<10	1	<1	<1	110	<6
MAY 12...	71	<3	21	<4	5	<10	<1	<1	<1	94	<6
SEP 04...	62	<3	7	<4	87	<10	<1	<1	<1	120	<6