

06923700 NIANGUA RIVER BELOW BENNETT SPRINGS, MO  
(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 37°44'17", long 92°51'37", in SE 1/4 sec.25, T.35 N., R.18 W., Dallas County, Hydrologic Unit 10290110, at bridge on Highway 64, 1,200 ft downstream inflow of Bennett Springs Branch.

PERIOD OF RECORD.--October 1983 to September 1988, 1991 to current year.

REMARKS.--Ambient water-quality monitoring station October 1983 to September 1988, November 1993 to current year. Special project station July 1991 to Oct. 1995.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1995 TO SEPTEMBER 1996

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH WATER FIELD (STANDARD UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (mg/L) (00301)	COLIFORM, FECCAL, µm-MF (COLS./100 mL) (31625)	STREPTOCOCCI, FECCAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKALINITY, WAT WH FIELD (mg/L as CaCO <sub>3</sub> ) (00410)	
DEC 04...	1500	138	13.0	407	8.0	10.2	100	--	K4	K3	200
JAN 31...	0950	170	6.5	386	7.9	12.6	100	29	110	K5	159
MAR 19...	0830	135	10.5	389	7.8	9.4	84	--	46	30	192
APR 12...	1115	159	16.5	362	8.1	11.4	117	--	21	K18	172
JUN 11...	1030	760	17.5	350	6.0	9.1	94	<10	45	21	27
AUG 27...	1500	138	17.0	382	7.8	7.3	76	--	K12	41	187

DATE	BICARBONATE WATER WH IT FIELD (mg/L as HCO <sub>3</sub> ) (00450)	CARBONATE WATER WH IT FIELD (mg/L as CO <sub>3</sub> ) (00447)	NITROGEN, NO <sub>2</sub> +NO <sub>3</sub> TOTAL (mg/L as N) (00630)	NITROGEN, NITRITE TOTAL (mg/L as N) (00615)	NITROGEN, AMMONIA TOTAL (mg/L as N) (00610)	NITROGEN, AMMONIA + ORGANIC TOTAL (mg/L as P) (00625)	PHOSPHORUS TOTAL (mg/L as P) (00665)	PHOSPHORUS ORTHO TOTAL (mg/L as P) (70507)	HARDNESS TOTAL (mg/L as CaCO <sub>3</sub> ) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)
DEC 04...	245	0	0.840	0.010	0.040	<0.20	0.050	0.020	--	--
JAN 31...	195	0	1.20	0.010	0.030	<0.20	<0.020	0.020	180	37
MAR 19...	234	0	0.870	0.010	0.050	<0.20	<0.020	0.020	--	--
APR 12...	211	0	0.600	<0.010	0.020	<0.20	<0.020	0.010	--	--
JUN 11...	32	0	0.700	0.010	0.010	0.20	0.020	0.020	130	28
AUG 27...	228	0	0.920	<0.010	0.040	<0.20	<0.020	0.020	--	--

DATE	MAGNESIUM, DIS-SOLVED (mg/L as Mg) (00925)	SODIUM, DIS-SOLVED (mg/L as Na) (00930)	POTASSIUM, DIS-SOLVED (mg/L as K) (00935)	SULFATE, DIS-SOLVED (mg/L as SO <sub>4</sub> ) (00945)	CHLORIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUORIDE, DIS-SOLVED (mg/L as F) (00950)	SOLIDS, RESIDUE AT 180 DEG. C DIS-SOLVED (mg/L) (70300)	RESIDUE TOTAL AT 105 DEG. C, SUS-PENDED (mg/L) (00530)	ALUMINUM, TOTAL RECOVERABLE (µg/L as Al) (01105)	ALUMINUM, DIS-SOLVED (µg/L as Al) (01106)
JAN 31...	21	4.0	1.6	7.6	9.0	<0.10	214	<1	70	<20
JUN 11...	15	2.4	1.4	3.9	7.6	<0.10	268	5	60	7.4

DATE	CADMIUM TOTAL RECOVERABLE (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 RECOVERABLE (µg/L as Pb) (01051)	LEAD, DIS-SOLVED (µg/L as Pb) (01049)	MANGANESE, DIS-SOLVED (g/L as Mn) (01056)	MERCURY TOTAL RECOVERABLE (µg/L as Hg) (71900)	ZINC, TOTAL RECOVERABLE (µg/L as Zn) (01092)	ZINC, DIS-SOLVED (µg/L as Zn) (01090)
JAN 31...	<1	<1.0	<1.0	10	<1	<1.0	7.1	<0.10	<4	<4.0
JUN 11...	<1	<1.0	2.0	9.0	3	2.0	7.9	<0.10	7	6.4

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