

07037300 BIG CREEK AT SAM A. BAKER STATE PARK  
(Ambient water-quality monitoring network)

## WATER-QUALITY RECORDS

LOCATION.--Lat 37°15'40", long 90°30'23", in NE 1/4 SW 1/4 sec.21, T.30 N., R.5 E., Wayne County, Hydrologic Unit 08020202, at bridge 435 on County Highway NN.

PERIOD OF RECORD.--November 1992 to current year.

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

DATE	TIME	DIS-CHARGE, INST. CUBIC FEET PER SECOND (00061)	TEMPERATURE WATER (DEG C) (00010)	SPECIFIC CONDUCTANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STANDARD UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN DEMAND, CHEMICAL (HIGH LEVEL) (mg/L) (00301)	OXYGEN, SOLVED (PERCENT) (00340)	COLIFORM, FECALE, µM-MF (COLS./100 mL) (31625)	STREPTOCOCCI, FECALE, KF AGAR PER (COLS./100 mL) (31673)	E. COLI WATER WHOLE TOTAL UREASE (COL / 100 mL) (31633)
NOV 17...	1515	78	7.6	293	8.01	12.4	100	--	K1	32	K1
JAN 12...	1535	380	7.2	170	7.83	11.4	95	<10	49	22	K20
MAR 11...	1615	450	5.2	154	7.87	--	--	--	K4	K1	K1
APR 06...	1450	314	14.2	176	8.08	11.7	113	--	K1	K1	K1
JUN 15...	1505	190	21.6	217	8.10	9.2	104	<10	K17	K10	K15
AUG 17...	1330	130	25.5	235	7.90	8.7	105	--	K12	59	K12
DATE	ANC WATER UNFLTRD FIELD (mg/L as CaCO <sub>3</sub> ) (00410)	ANC BICARBONATE FIELD (mg/L as HCO <sub>3</sub> ) (00450)	ANC CARBONATE 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. (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)
NOV 17...	131	160	0	0.11	<0.01	<0.02	<0.1	<0.01	0.02	--	--
JAN 12...	75	88	0	0.25	<0.01	<0.02	0.2	<0.01	<0.01	86	18
MAR 11...	82	99	0	0.12	<0.01	<0.02	<0.1	<0.01	<0.01	--	--
APR 06...	76	93	0	0.08	<0.01	0.03	<0.1	<0.01	<0.01	--	--
JUN 15...	106	128	0	0.06	<0.01	0.05	<0.1	<0.01	0.01	110	22
AUG 17...	113	137	0	0.08	0.01	0.05	<0.1	<0.01	0.01	--	--
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)	SOLIDS, SUM OF CONSTITUENTS, DIS-SOLVED (mg/L) (70301)	SOLIDS, DIS-SOLVED PER DAY (mg/L) (70302)	RESIDUE TOTAL AT 105 DEG. C, SUSPENDED (mg/L) (00530)	ALUMINUM, TOTAL RECOVERABLE (µg/L as Al) (01105)
JAN 12...	10	2.2	0.9	11	3.1	--	140	89	142	3	30
JUN 15...	12	2.3	1.2	7.5	2.0	<0.1	125	111	64.1	<1	30
DATE	ALUMINUM, 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 RECOVERABLE (µg/L as Pb) (01051)	LEAD, DIS-SOLVED (µg/L as Pb) (01049)	MANGANESE, DIS-SOLVED (µg/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 12...	23.6	<1	<8	<10	<10	<1	<100	<4	<0.1	<10	<20
JUN 15...	<10.0	<1	<8	<10	<10	<1	<100	12	<0.1	<10	<20

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