07046250 LITTLE RIVER DITCHES NEAR RIVES, MO

(Ambient water-quality monitoring network)

WATER-QUALITY RECORDS

LOCATION.--Lat 36°05'25", long 90°04'47", in NE 1/4 NE 1/4 sec.28, T.17 N., R.9 E., Dunklin County, Hydrologic Unit 08020204. Samples are taken during high flow from the three western most ditches.

PERIOD OF RECORD.--November 1969 to June 1970, August 1972 to September 1973, July 1977 to June 1989, November 1992 to current year.

REMARKS.--Analyses represent a composite of water from five ditches. Bacteria is usually taken from Ditch 66. Published as "Little River Ditches near Kennett" (07046001) for periods of record from November 1969 to September 1993.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	TIME	DIS-CHARGE, INST. (CUBIC FEET PER SECOND) (00061)	TEMPER-ATURE WATER (DEG C) (00010)	SPE-CIFIC CON-DUCT-ANCE (µS/cm) (00095)	PH WATER WHOLE FIELD (STAND-ARD UNITS) (00400)	OXYGEN, DIS-SOLVED (mg/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	OXYGEN DEMAND, CHEM-ICAL (HIGH LEVEL) (mg/L) (00340)	COLI-FORM, FECAL, 0.7 µm-MF (COLS./ 100 mL) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 mL) (31673)	ALKA-LINITY WAT WH TOT FET FIELD (mg/L as $CaCO_3$) (00410)
OCT 1996											
22...	1130	260	17.5	406	8.06	7.90	82	--	84	77	158
NOV											
20...	1530	730	12.0	221	7.61	8.30	76	26	440	160	75
DEC											
17...	1400	7900	4.0	110	7.05	11.6	86	--	2200	6500	40
JAN 1997											
22...	1730	6600	8.0	150	7.49	10.4	87	18	330	4250	105
FEB											
19...	1715	1300	11.5	302	8.00	10.2	91	--	40	52	111
MAR											
25...	1600	1100	15.5	357	7.78	11.1	109	--	40	K20	141
APR											
16...	1315	2000	17.0	311	7.19	9.10	92	--	46	123	121
MAY											
28...	1530	14000	22.0	133	7.44	5.50	62	--	1000	2550	38
JUN											
11...	1215	1200	22.5	362	7.73	7.20	82	<5	164	80	138
JUL											
22...	1530	1100	31.5	400	8.02	7.90	104	--	80	52	157
AUG											
06...	1100	540	25.0	321	7.55	7.00	84	--	K26	128	125
SEP											
04...	1130	430	22.0	392	8.01	7.70	84	--	29	112	151

DATE	BICAR-BONATE WATER WH IT FIELD (mg/L as HCO_3) (00450)	CAR-BONATE WATER WH IT FIELD (mg/L as CO_3) (00447)	NITRO-GEN, NO_2+NO_3 TOTAL (mg/L as N) (00630)	NITRO-GEN, NITRITE TOTAL (mg/L as N) (00615)	NITRO-GEN, AMMONIA TOTAL (mg/L as N) (00610)	NITRO-GEN,AM-MONIA + ORGANIC TOTAL (mg/L as N) (00625)	PHOS-PHORUS TOTAL (mg/L as P) (00665)	PHOS-PHORUS ORTHO TOTAL (mg/L as P) (70507)	HARD-NESS TOTAL (mg/L as $CaCO_3$) (00900)	CALCIUM DIS-SOLVED (mg/L as Ca) (00915)	MAGNE-SIUM, DIS-SOLVED (mg/L as Mg) (00925)
OCT 1996											
22...	193	0	<0.020	<0.010	0.030	0.38	0.130	0.090	--	--	--
NOV											
20...	92	0	0.290	0.030	0.040	0.78	0.320	0.260	94	26	7.0
DEC											
17...	48	0	0.340	0.060	0.110	1.6	0.510	0.350	--	--	--
JAN 1997											
22...	123	0	0.780	0.030	0.130	1.6	0.480	0.210	63	17	5.0
FEB											
19...	136	0	0.210	0.020	0.060	0.38	0.140	0.090	--	--	--
MAR											
25...	172	0	0.260	0.010	0.080	0.35	0.130	0.070	--	--	--
APR											
16...	147	0	0.440	0.030	0.070	0.51	0.180	0.110	--	--	--
MAY											
28...	43	0	2.40	0.120	0.510	3.4	0.890	0.330	--	--	--
JUN											
11...	169	0	<0.020	<0.010	0.190	0.95	0.100	0.040	170	47	12
JUL											
22...	191	0	<0.020	<0.010	0.010	0.80	0.200	0.130	--	--	--
AUG											
06...	152	0	<0.020	<0.010	0.020	0.54	0.160	0.110	140	39	10
SEP											
04...	185	0	0.020	<0.010	0.030	0.62	0.160	0.130	--	--	--

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

07046250 LITTLE RIVER DITCHES NEAR RIVES, MO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

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_4) (00945)	CHLO-RIDE, DIS-SOLVED (mg/L as Cl) (00940)	FLUO-RIDE, 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)	ALUM-INUM, TOTAL RECOV-ERABLE (µg/L as Al) (01105)	ALUM-INUM, DIS-SOLVED (µg/L as Al) (01106)	CADMIUM TOTAL RECOV-ERABLE (µg/L as Cd) (01027)	CADMIUM DIS-SOLVED (µg/L as Cd) (01025)
NOV											
20...	5.7	5.8	17	12	0.10	144	98	1800	4.5	<1	<1.0
JAN 1997											
22...	4.3	3.3	11	8.0	0.10	100	250	4300	150	<1	<1.0
JUN											
11...	10	2.8	21	13	0.20	216	56	1500	9.3	<1	<1.0
AUG											
06...	10	3.2	19	11	0.20	202	60	1200	15	<1	<1.0

DATE	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)	PROP-CHLOR, WATER, DISS, REC (µg/L) (04024)	BUTYL-ATE, WATER, DISS, REC (µg/L) (04028)	SI-MAZINE, WATER, DISS, REC (µg/L) (04035)
NOV											
20...	1.3	20	4	<1.0	58	<0.10	20	1.6	0.009	<0.002	<0.005
JAN 1997											
22...	2.3	100	9	<1.0	21	<0.10	30	1.6	--	--	--
MAR											
25...	--	--	--	--	--	--	--	--	<0.007	<0.002	<0.005
APR											
16...	--	--	--	--	--	--	--	--	<0.007	<0.002	0.014
MAY											
28...	--	--	--	--	--	--	--	--	<0.007	<0.002	0.079
JUN											
11...	<1.0	9.0	2	<1.0	130	<0.10	7	<1.0	<0.007	<0.002	0.009
AUG											
06...	1.5	10	2	<1.0	120	<0.10	7	<1.0	<0.007	<0.002	0.007

DATE	PRO-METON, WATER, DISS, REC (µg/L) (04037)	DEETHYL ATRA-ZINE, WATER, DISS, REC (µg/L) (04040)	CYANA-ZINE, WATER, DISS, REC (µg/L) (04041)	FONOFOS WATER DISS REC (µg/L) (04095)	ALPHA BHC DIS-SOLVED (µg/L) (34253)	P,P' DDE DISSOLV (µg/L) (34653)	METO-LACHLOR WATER DISSOLV (µg/L) (39415)	LINDANE DIS-SOLVED (µg/L) (39341)	DI-ELDRIN DIS-SOLVED (µg/L) (39381)	ATRA-ZINE, WATER, DISS, REC (µg/L) (39632)	METRI-BUZIN SENCOR WATER DISSOLV (µg/L) (82630)
NOV 1996											
20...	<0.018	E0.011	0.032	<0.003	<0.002	<0.006	0.178	<0.004	<0.001	0.100	0.017
MAR 1997											
25...	<0.018	<0.002	0.004	<0.003	<0.002	<0.006	0.023	<0.004	<0.001	0.026	<0.004
APR											
16...	E0.002	E0.025	0.199	<0.003	<0.002	<0.006	1.68	<0.004	<0.001	3.78	0.005
MAY											
28...	<0.018	E0.316	0.208	<0.003	<0.002	<0.006	9.81	<0.004	<0.001	12.0	1.10
JUN											
11...	<0.018	E0.053	0.059	<0.003	<0.002	<0.006	0.873	<0.004	<0.001	1.42	0.054
AUG											
06...	E0.007	E0.011	0.569	<0.003	<0.002	<0.006	0.223	<0.004	<0.001	0.137	<0.004

E--Laboratory estimated value.

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WATER-QUALITY DATA, WATER YEAR OCTOBER 1996 TO SEPTEMBER 1997

DATE	FONOFOS WATER DISS REC (µg/L) (04095)	CHLOR-PYRIFOS DIS-SOLVED (µg/L) (38933)	MALA-THION, DIS-SOLVED (µg/L) (39532)	PARA-THION, DIS-SOLVED (µg/L) (39542)	DI-AZINON, DIS-SOLVED (µg/L) (39572)	ALA-CHLOR, WATER, DISS, REC, (µg/L) (46342)	ACETO-CHLOR, WATER FLTRD REC (µg/L) (49260)	2,6-DI-ETHYL ANILINE WAT FLT 0.7 µ GF, REC (µg/L) (82660)	ETHAL-FLUR-ALIN WAT FLT 0.7 µ GF, REC (µg/L) (82663)	PHORATE WATER FLTRD 0.7 µ GF, REC (µg/L) (82664)	TER-BACIL WATER FLTRD 0.7 µ GF, REC (µg/L) (82665)
NOV 1996											
20...	<0.003	<0.004	<0.005	<0.004	<0.002	0.026	<0.002	<0.003	<0.004	<0.002	<0.007
MAR 1997											
25...	<0.003	<0.004	<0.005	<0.004	<0.002	E0.002	<0.002	<0.003	<0.004	<0.002	<0.007
APR											
16...	<0.003	<0.004	<0.005	<0.004	<0.002	0.201	0.131	<0.003	<0.004	<0.002	<0.007
MAY											
28...	<0.003	<0.004	<0.005	<0.004	0.007	2.98	0.150	<0.003	<0.004	0.013	<0.007
JUN											
11...	<0.003	<0.004	<0.005	<0.004	<0.002	0.184	<0.002	<0.003	<0.004	<0.002	<0.007
AUG											
06...	<0.003	<0.004	<0.005	<0.004	<0.002	0.022	<0.002	<0.003	<0.004	<0.002	<0.007

DATE	LIN-URON WATER FLTRD 0.7 µ GF, REC (µg/L) (82666)	METHYL PARA-THION WAT FLT 0.7 µ GF, REC (µg/L) (82667)	EPTC WATER FLTRD 0.7 µ GF, REC (µg/L) (82668)	PEB-ULATE WATER FILTRD 0.7 µ GF, REC (µg/L) (82669)	TEBU-THIURON WATER FLTRD 0.7 µ GF, REC (µg/L) (82670)	MOL-INATE WATER FLTRD 0.7 µ GF, REC (µg/L) (82671)	ETHO-PROP WATER FLTRD 0.7 µ GF, REC (µg/L) (82672)	BEN-FLUR-ALIN WAT FLD 0.7 µ GF, REC (µg/L) (82673)	CARBO-FURAN WATER FLTRD 0.7 µ GF, REC (µg/L) (82674)	TER-BUFOS WATER FLTRD 0.7 µ GF, REC (µg/L) (82675)	PRON-AMIDE WATER FLTRD 0.7 µ GF, REC (µg/L) (82676)
NOV 1996											
20...	<0.002	<0.006	<0.002	<0.004	<0.010	0.008	<0.003	<0.002	<0.003	<0.013	<0.003
MAR 1997											
25...	<0.002	<0.006	<0.002	<0.004	<0.010	0.007	<0.003	<0.002	<0.003	<0.013	<0.003
APR											
16...	<0.002	<0.006	<0.002	<0.004	0.026	0.007	<0.003	<0.002	E0.232	<0.013	<0.003
MAY											
28...	<0.002	<0.006	<0.002	<0.004	<0.010	1.43	<0.003	<0.002	E0.074	<0.013	<0.003
JUN											
11...	<0.002	<0.006	<0.002	<0.004	<0.010	0.603	<0.003	<0.002	<0.003	<0.013	<0.003
AUG											
06...	<0.002	<0.006	<0.002	<0.004	<0.010	0.345	<0.003	<0.002	<0.003	<0.013	<0.003

DATE	DISUL-FOTON WATER FLTRD 0.7 µ GF, REC (µg/L) (82677)	TRIAL-LATE WATER FLTRD 0.7 µ GF, REC (µg/L) (82678)	PRO-PANIL WATER FLTRD 0.7 µ GF, REC (µg/L) (82679)	CAR-BARYL WATER FLTRD 0.7 µ GF, REC (µg/L) (82680)	THIO-BENCARB WATER FLTRD 0.7 µ GF, REC (µg/L) (82681)	DCPA WATER FLTRD 0.7 µ GF, REC (µg/L) (82682)	PENDI-METH-ALIN WAT FLT 0.7 µ GF, REC (µg/L) (82683)	NAPROP-AMIDE WATER FLTRD 0.7 µ GF, REC (µg/L) (82684)	PRO-PARGITE WATER FLTRD 0.7 µ GF, REC (µg/L) (82685)	METHYL AZIN-PHOS WAT FLT 0.7 µ GF, REC (µg/L) (82686)	PER-METHRIN CIS WAT FLT 0.7 µ GF, REC (µg/L) (82687)
NOV 1996											
20...	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
MAR 1997											
25...	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005
APR											
16...	<0.017	<0.001	<0.004	<0.003	<0.002	<0.002	E0.032	<0.003	<0.013	<0.001	<0.005
MAY											
28...	<0.017	<0.001	0.330	<0.003	0.276	<0.002	0.232	<0.003	<0.013	<0.001	<0.005
JUN											
11...	<0.017	<0.001	0.034	<0.003	0.018	<0.002	0.019	<0.003	<0.013	<0.001	<0.005
AUG											
06...	<0.017	<0.001	<0.004	<0.003	0.011	<0.002	<0.004	<0.003	<0.013	<0.001	<0.005

E--Laboratory estimated value.