06934500 MISSOURI RIVER AT HERMANN, MO--Continued
(National stream-quality accounting network station)

WATER-QUALITY RECORDS

PERIOD OF RECORD.--July 1969 to current year.

PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: October 1974 to current year.
WATER TEMPERATURE: October 1974 to current year.
DISSOLVED OXYGEN: June 1984 to September 1984, April 1985 to September 1985, April 1986 to September 1986.

INSTRUMENTATION.--Water-quality monitor, June 1984 to September 1984, April 1985 to September 1985, April 1986 to September 1986.

REMARKS.--Water temperature and specific conductance samples collected daily by observer.

EXTREMES FOR PERIOD OF DAILY RECORD.--
SPECIFIC CONDUCTANCE: (water years 1976 to current year): Maximum daily, 2,150 microsiemens, Dec. 9, 1978; minimum daily, 205 microsiemens, Apr. 16, 1979.
WATER TEMPERATURE: (water years 1976 to current year): Maximum daily, 32.5° C, July 31, 1987; minimum daily, 0.0° C on many days during winter period.

EXTREMES FOR CURRENT YEAR.--
SPECIFIC CONDUCTANCE: Maximum daily, 819 microsiemens, Sept. 11; minimum daily, 227 microsiemens, May 19.
WATER TEMPERATURE: Maximum daily, 30.0° C, Aug. 11-16; minimum daily, 1.5° C, Feb. 8.

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

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 (MG/L) (00300)	OXYGEN, DIS-SOLVED (PER-CENT SATUR-ATION) (00301)	COLI-FORM, FECAL, 0.7 µM-MF (COLS./ 100 ML) (31625)	STREP-TOCOCCI FECAL, KF AGAR (COLS. PER 100 ML) (31673)	HARD-NESS TOTAL (MG/L AS $CACO_3$) (00900)	CALCIUM DIS-SOLVED (MG/L AS CA) (00915)
NOV												
04...	1000	52300	690	7.80	13.5	26	10.00	95	267	860	240	63
MAR												
22...	1030	58200	507	7.67	14.5	93	8.60	83	200	400	200	55
MAY												
26...	1100	379000	350	7.79	17.5	160	7.10	73	1350	3200	150	43
JUN												
22...	1000	240000	464	7.84	24.5	76	6.50	77	M	100	210	59
JUL												
28...	1100	131000	599	7.75	28.0	--	6.30	82	590	80	--	--

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 WH TOT FET FIELD (MG/L AS $CACO_3$) (00410)	ALKA-LINITY WAT DIS TOT IT FIELD (MG/L AS $CACO_3$) (39086)	CAR-BONATE WATER WH IT FIELD (MG/L AS CO_3) (00447)	BICAR-BONATE WATER WH IT FIELD (MG/L AS HCO_3) (00450)	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												
04...	20	57	5.9	170	170	0	207	150	25	0.40	10	448
MAR												
22...	16	33	5.8	153	152	0	185	82	20	0.40	13	345
MAY												
26...	11	12	4.8	114	114	0	140	50	8.8	0.20	9.6	28
JUN												
22...	16	26	6.6	145	148	0	180	93	16	0.30	11	350
JUL												
28...	--	--	--	141	140	0	171	--	--	--	--	--

DATE	SOLIDS, SUM OF CONSTI-TUENTS, 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, NO2+NO3 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)	SEDI-MENT, SUS-PENDED (MG/L) (80154)	SED. SUSP. SIEVE DIAM. % FINER THAN .062 MM (70331)
NOV												
04...	437	0.61	63300	0.010	0.730	0.010	0.65	0.170	0.070	0.020	143	54
MAR												
22...	326	0.47	54200	0.040	2.00	<0.015	1.0	0.330	0.110	0.090	558	85
MAY												
26...	214	0.31	233000	0.040	1.20	0.050	1.5	0.100	0.050	0.060	652	73
JUN												
22...	323	0.48	227000	0.010	1.30	0.020	0.91	0.400	0.070	0.090	611	65
JUL												
28...	--	--	--	0.010	1.10	0.050	0.70	0.160	0.080	0.080	377	73

M--Result compromised due to contaminated bacteria media.

06934500 MISSOURI RIVER AT HERMANN, MO--Continued

WATER-QUALITY DATA, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995

DATE	ALUMINUM, DIS-SOLVED (µG/L AS AL) (01106)	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)	MANGANESE, DIS-SOLVED (µG/L AS MN) (01056)	MOLYBDENUM, DIS-SOLVED (µG/L AS MO) (01060)	NICKEL, DIS-SOLVED (µG/L AS NI) (01065)	SELENIUM, DIS-SOLVED (µG/L AS SE) (01145)	SILVER, DIS-SOLVED (µG/L AS AG) (01075)	STRONTIUM, DIS-SOLVED (µG/L AS SR) (01080)	VANADIUM, DIS-SOLVED (µG/L AS V) (01085)
NOV												
04...	<10	89	<3	4	37	2	20	2	<2	<1.0	470	<6
MAR												
22...	20	85	<3	10	15	<1	<10	2	2	<1.0	370	<6
MAY												
26...	100	99	<3	78	8	4	10	2	<1	<1.0	200	<6
JUN												
22...	40	120	<3	22	<4	2	<10	2	1	<1.0	330	<6

DATE	SIMAZINE, WATER, DISS, REC (µG/L) (04035)	PROMETON, WATER, DISS, REC (µG/L) (04037)	DEETHYL ATRAZINE, WATER, DISS, REC (µG/L) (04040)	CYANAZINE, WATER, DISS, REC (µG/L) (04041)	METOLACHLOR WATER DISSOLV (µG/L) (39415)	ATRAZINE, WATER, DISS, REC (µG/L) (39632)	ALACHLOR, WATER, DISS, REC, (µG/L) (46342)	METRIBUZIN SENCOR WATER DISSOLV (µG/L) (82630)	PROPCHLOR, WATER, DISS, REC (µG/L) (04024)	BUTYLATE, WATER, DISS, REC (µG/L) (04028)	FONOFOS WATER DISS REC (µG/L) (04095)	ALPHA BHC DISSOLVED (µG/L) (34253)
MAY												
26...	0.02	0.009	E0.05	0.56	0.56	1.3	0.05	0.01	<0.02	<0.008	<0.008	<0.007
JUN												
22...	0.02	E0.01	E0.10	0.40	0.67	1.8	0.10	0.02	<0.007	<0.002	<0.003	<0.002

DATE	P,P' DDE DISSOLV (µG/L) (34653)	CHLORPYRIFOS DISSOLVED (µG/L) (38933)	LINDANE DISSOLVED (µG/L) (39341)	DIELDRIN DISSOLVED (µG/L) (39381)	MALATHION, DISSOLVED (µG/L) (39532)	PARATHION, DISSOLVED (µG/L) (39542)	DIAZINON, DISSOLVED (µG/L) (39572)	2,6-DIETHYL ANILINE WAT FLT 0.7 U GF, REC (µG/L) (82660)	ETHALFLURALIN WAT FLT 0.7 U GF, REC (µG/L) (82663)	PHORATE WATER FLTRD 0.7 U GF, REC (µG/L) (82664)	TERBACIL WATER FLTRD 0.7 U GF, REC (µG/L) (82665)
MAY											
26...	<0.01	0.02	<0.01	<0.008	<0.01	<0.02	<0.008	<0.006	<0.01	<0.01	<0.03
JUN											
22...	<0.006	<0.004	<0.004	<0.001	<0.005	<0.004	<0.002	<0.003	<0.004	<0.002	<0.007

DATE	LINURON WATER FLTRD 0.7 U GF, REC (µG/L) (82666)	METHYL PARATHION WAT FLT 0.7 U GF, REC (µG/L) (82667)	EPTC WATER FLTRD 0.7 U GF, REC (µG/L) (82668)	PEBULATE WATER FILTRD 0.7 U GF, REC (µG/L) (82669)	TEBUTHIURON WATER FLTRD 0.7 U GF, REC (µG/L) (82670)	MOLINATE WATER FLTRD 0.7 U GF, REC (µG/L) (82671)	ETHOPROP WATER FLTRD 0.7 U GF, REC (µG/L) (82672)	BENFLURALIN WAT FLD 0.7 U GF, REC (µG/L) (82673)	CARBOFURAN WATER FLTRD 0.7 U GF, REC (µG/L) (82674)	TERBUFOS WATER FLTRD 0.7 U GF, REC (µG/L) (82675)	PRONAMIDE WATER FLTRD 0.7 U GF, REC (µG/L) (82676)
MAY											
26...	<0.04	<0.03	0.01	<0.009	<0.02	<0.007	<0.01	<0.01	<0.01	<0.01	<0.009
JUN											
22...	<0.002	<0.006	<0.002	<0.004	<0.01	<0.004	<0.003	<0.002	<0.003	<0.01	<0.003

DATE	DISULFOTON WATER FLTRD 0.7 U GF, REC (µG/L) (82677)	TRIALLATE WATER FLTRD 0.7 U GF, REC (µG/L) (82678)	PROPANIL WATER FLTRD 0.7 U GF, REC (µG/L) (82679)	CARBARYL WATER FLTRD 0.7 U GF, REC (µG/L) (82680)	THIOBENCARB WATER FLTRD 0.7 U GF, REC (µG/L) (82681)	DCPA WATER FLTRD 0.7 U GF, REC (µG/L) (82682)	PENDIMETHALIN WAT FLT 0.7 U GF, REC (µG/L) (82683)	NAPROPAMIDE WATER FLTRD 0.7 U GF, REC (µG/L) (82684)	PROPARGITE WATER FLTRD 0.7 U GF, REC (µG/L) (82685)	METHYL AZINPHOS WAT FLT 0.7 U GF, REC (µG/L) (82686)	PERMETHRIN CIS WAT FLT 0.7 U GF, REC (µG/L) (82687)
MAY											
26...	<0.06	<0.008	<0.02	<0.05	<0.008	E0.004	<0.02	<0.01	<0.006	<0.04	<0.02
JUN											
22...	<0.02	<0.001	<0.004	<0.003	<0.002	<0.002	<0.004	<0.003	<0.01	<0.001	<0.005

E--Laboratory estimated value.

06934500 MISSOURI RIVER AT HERMANN, MO--Continued

SPECIFIC CONDUCTANCE, µS/CM AT 25 DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
OBSERVATION AT 12:00

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	718	429	627	---	367	521	534	371	329	448	503	712
2	709	428	627	---	347	491	571	317	348	444	508	710
3	708	428	628	---	349	429	599	317	371	445	515	746
4	708	429	626	---	345	413	601	304	375	458	471	780
5	709	428	627	---	354	444	616	337	381	464	459	790
6	708	428	628	---	374	495	627	334	398	475	415	790
7	708	428	628	---	420	470	627	392	417	456	377	775
8	707	430	627	---	439	430	651	470	425	473	392	761
9	708	428	628	---	428	414	663	418	418	406	498	763
10	710	428	626	---	461	385	599	405	396	384	543	798
11	709	425	630	---	477	363	586	411	390	405	526	819
12	708	428	628	---	546	420	474	431	384	406	521	816
13	708	428	628	---	763	513	449	447	375	398	524	816
14	708	428	628	---	743	521	471	391	389	464	637	806
15	708	428	628	---	514	553	436	414	426	466	608	812
16	708	428	627	---	437	595	526	421	444	477	605	803
17	709	428	627	---	446	653	487	384	450	468	623	809
18	709	428	628	332	443	695	484	281	450	457	587	811
19	707	428	627	362	514	648	444	227	461	475	587	809
20	709	428	627	389	601	570	384	247	465	470	639	792
21	708	429	627	403	623	537	390	285	483	471	639	799
22	708	428	627	385	657	618	399	305	471	498	668	797
23	708	428	627	470	641	564	428	329	477	503	708	815
24	708	429	627	484	625	573	468	351	480	477	707	810
25	706	428	627	417	663	539	444	360	480	471	736	790
26	708	428	628	451	653	558	447	361	481	465	757	784
27	708	428	627	460	659	541	429	364	478	480	727	748
28	707	428	625	386	651	564	443	334	455	492	810	743
29	708	428	626	382	---	548	450	317	450	482	796	745
30	708	428	627	361	---	685	415	326	450	485	797	763
31	707	---	631	404	---	557	---	332	---	496	760	---
MEAN	708	428	627	---	519	526	505	354	427	460	601	784
MAX	718	430	631	---	763	695	663	470	483	503	810	819
MIN	706	425	625	---	345	363	384	227	329	384	377	710

WATER TEMPERATURE, DEGREES CENTIGRADE, WATER YEAR OCTOBER 1994 TO SEPTEMBER 1995
OBSERVATION AT 12:00

DAY	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP
1	---	18.0	8.0	---	6.0	6.5	11.0	13.0	20.0	23.0	28.0	27.0
2	---	18.0	8.0	---	5.0	6.0	12.0	13.0	21.0	24.0	22.0	26.0
3	---	18.0	8.0	---	4.0	7.0	14.0	13.0	21.0	24.0	30.0	26.5
4	---	18.0	8.0	---	4.0	5.5	12.5	13.0	21.5	25.0	28.0	27.0
5	---	18.0	8.0	---	3.0	8.0	11.0	14.0	23.0	25.5	28.0	26.0
6	---	18.0	8.0	---	2.0	7.5	17.0	14.0	22.5	24.5	28.0	26.0
7	---	18.0	8.0	---	2.0	6.0	17.5	15.0	23.0	25.5	27.0	24.5
8	---	18.0	8.0	---	1.5	5.0	16.0	16.0	23.0	25.0	28.0	24.0
9	---	18.0	8.0	---	5.5	5.0	15.0	17.0	24.0	25.0	29.0	23.0
10	---	18.0	8.0	---	6.0	9.0	15.5	16.5	23.0	26.0	29.0	22.0
11	---	18.0	8.0	---	6.0	9.0	13.0	17.5	21.5	27.0	30.0	23.0
12	---	18.0	8.0	---	2.0	14.0	13.0	17.0	22.0	27.0	30.0	23.0
13	---	15.0	8.0	---	3.5	17.0	13.0	19.0	22.0	28.0	30.0	23.0
14	---	15.0	8.0	---	3.0	12.0	13.0	19.0	22.5	27.0	30.0	23.5
15	---	15.0	8.0	---	3.0	15.0	13.5	18.0	23.0	27.5	30.0	24.0
16	---	15.0	8.0	---	2.5	13.0	14.0	22.0	24.0	29.0	30.0	23.0
17	---	15.0	8.0	---	6.0	13.5	14.0	19.0	23.5	29.0	29.0	22.0
18	---	15.0	8.0	5.0	5.0	13.0	13.5	18.0	24.0	28.5	29.0	21.0
19	---	15.0	8.0	4.0	8.0	14.5	16.0	18.0	24.0	28.0	29.0	21.0
20	---	15.0	8.0	2.0	6.0	15.5	15.0	19.5	25.0	28.0	28.0	20.0
21	---	14.0	8.0	3.0	7.0	17.0	14.0	19.5	26.5	28.0	28.0	18.0
22	---	14.0	8.0	3.0	9.5	14.0	16.0	21.0	26.0	27.5	27.0	19.0
23	---	14.0	8.0	2.0	9.0	13.0	14.0	22.0	26.0	28.0	27.0	18.0
24	---	12.0	8.0	2.0	7.0	13.0	15.0	20.0	25.5	27.0	27.0	17.0
25	---	12.0	8.0	2.0	10.0	14.0	14.0	19.5	25.0	28.0	27.5	17.5
26	---	12.0	8.0	3.0	10.0	15.0	17.0	19.0	25.0	28.0	27.0	18.0
27	---	12.0	8.0	3.5	9.0	14.5	14.0	19.0	25.0	29.0	28.0	17.5
28	---	12.0	8.0	3.0	7.0	12.0	15.5	18.0	25.0	29.0	27.0	19.0
29	---	12.0	8.0	2.0	---	13.0	14.0	19.0	25.0	29.0	28.0	20.0
30	---	12.0	8.0	2.5	---	11.0	13.5	19.0	25.0	29.0	27.0	19.0
31	---	---	8.0	3.0	---	10.0	---	19.5	---	29.0	28.0	---
MEAN	---	15.4	8.0	---	5.4	11.2	14.2	17.6	23.6	27.0	28.2	21.9
MAX	---	18.0	8.0	---	10.0	17.0	17.5	22.0	26.5	29.0	30.0	27.0
MIN	---	12.0	8.0	---	1.5	5.0	11.0	13.0	20.0	23.0	22.0	17.0