07195500 ILLINOIS RIVER NEAR WATTS, OK

Robert S. Kerr Reservoir Basin
Illinois Subbasin

LOCATION.--Lat 36°07′48″, long 94°34′19″ referenced to North American Datum of 1927, in NW ¼ NE ¼ sec.18, T.19 N., R.26 E., Adair County, OK, Hydrologic Unit 11110103, near right bank on downstream side of pier of bridge on U.S. Highway 59, 1.5 mi north of Watts, 4.5 mi downstream from Cincinnati Creek, and at mile 106.2.

DRAINAGE AREA.--635 mi^2.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--August 1955 to current year.

GAGE.--Water-stage recorder. Datum of gage is 893.78 ft above NGVD of 1929.

REMARKS.--Records fair except for estimated periods which are poor. Since July 2, 1957, small diversion for municipal water supply for the city of Siloam Springs, Ark., upstream from station. U.S. Army Corps of Engineers' satellite telemeter at station.

PEAK DISCHARGES FOR CURRENT YEAR.--Peak discharges greater than base discharge of 6,500 ft^3/s and (or) maximum (*):

[e, estimated]

Date	Time	Discharge (ft^3/s)	Gage height (ft)
Feb 17	1800	13,100	15.40
Mar 4	0300	9,640	13.00
Mar 19	0500	*53,000	*24.73
Apr 1	0900	18,900	18.42
Apr 10	2100	37,100	22.77
Apr 24	1600	11,600	14.49
Jul 13	1600	6,690	10.67
Sep 4	1100	7,490	11.35
Sep 15	----	e14,500	16.25

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	192	193	153	200	193	516	11,600	1,020	1,190	475	382	309
2	306	187	154	188	195	487	3,390	1,050	3,080	437	373	294
3	1,060	185	146	180	191	3,260	2,490	1,100	1,410	408	354	1,260
4	968	182	146	182	188	5,670	3,540	910	977	761	336	6,360
5	535	175	147	185	197	2,520	2,440	825	771	1,530	329	3,300
6	423	173	145	184	626	1,760	1,870	771	658	1,150	322	2,130
7	362	170	146	182	585	1,380	1,560	762	581	906	322	1,670
8	328	170	151	208	445	1,130	1,700	909	527	527	1,090	1,360
9	423	175	152	517	388	965	2,030	848	755	2,570	507	1,120
10	388	171	176	384	341	823	18,700	749	2,230	3,720	2,070	957
11	322	171	512	332	307	721	12,000	997	1,280	2,890	2,770	844
12	292	164	606	303	353	649	3,980	777	913	1,680	1,380	775
13	268	176	576	282	515	591	2,820	679	740	4,070	921	763
14	248	187	476	259	425	556	2,060	633	849	2,490	683	e8,160
15	246	178	495	250	387	527	1,700	747	719	1,560	604	e5,970
16	334	169	706	241	385	501	1,480	1,150	1,390	1,170	887	2,410
17	293	170	521	238	7,490	463	1,320	781	1,260	950	664	1,900
18	270	170	442	230	4,290	8,440	1,600	662	886	802	530	1,610
19	292	163	392	223	2,190	37,200	1,650	588	709	699	480	1,400
20	260	161	356	213	1,590	7,590	1,300	550	697	620	439	1,200
21	235	163	327	202	1,560	3,950	1,140	520	610	561	420	1,040
22	223	162	304	203	1,690	2,970	1,090	499	533	522	408	906
23	251	153	281	201	1,220	2,390	2,330	480	559	491	391	831
24	296	146	259	195	1,030	1,910	7,220	464	733	689	805	738
25	258	150	245	191	900	1,550	3,610	475	595	535	527	672
26	244	154	231	188	785	1,330	2,610	570	500	462	420	611
27	234	159	230	184	671	1,190	1,870	1,320	452	428	374	568
28	222	161	229	180	599	1,070	1,520	1,650	440	399	355	535
29	208	158	221	182	557	1,160	1,290	975	850	384	351	508
30	205	154	213	179	---	1,680	1,130	750	562	379	328	489
31	199	---	206	185	---	2,920	---	632	---	379	325	---
Total	10,385	5,050	9,344	7,071	30,293	97,869	103,040	24,843	27,456	34,644	20,147	50,690
Mean	335	168	301	228	1,045	3,157	3,435	801	915	1,118	650	1,690
Max	1,060	193	706	517	7,490	37,200	18,700	1,650	3,080	4,070	2,770	8,160
Min	192	146	145	179	188	463	1,090	464	440	379	322	294
Ac-ft	20,600	10,020	18,530	14,030	60,090	194,100	204,400	49,280	54,460	68,720	39,960	100,500
Cfsm	0.53	0.27	0.47	0.36	1.65	4.97	5.41	1.26	1.44	1.76	1.02	2.66
In.	0.61	0.30	0.55	0.41	1.77	5.73	6.04	1.46	1.61	2.03	1.18	2.97

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1956 - 2008, BY WATER YEAR (WY)

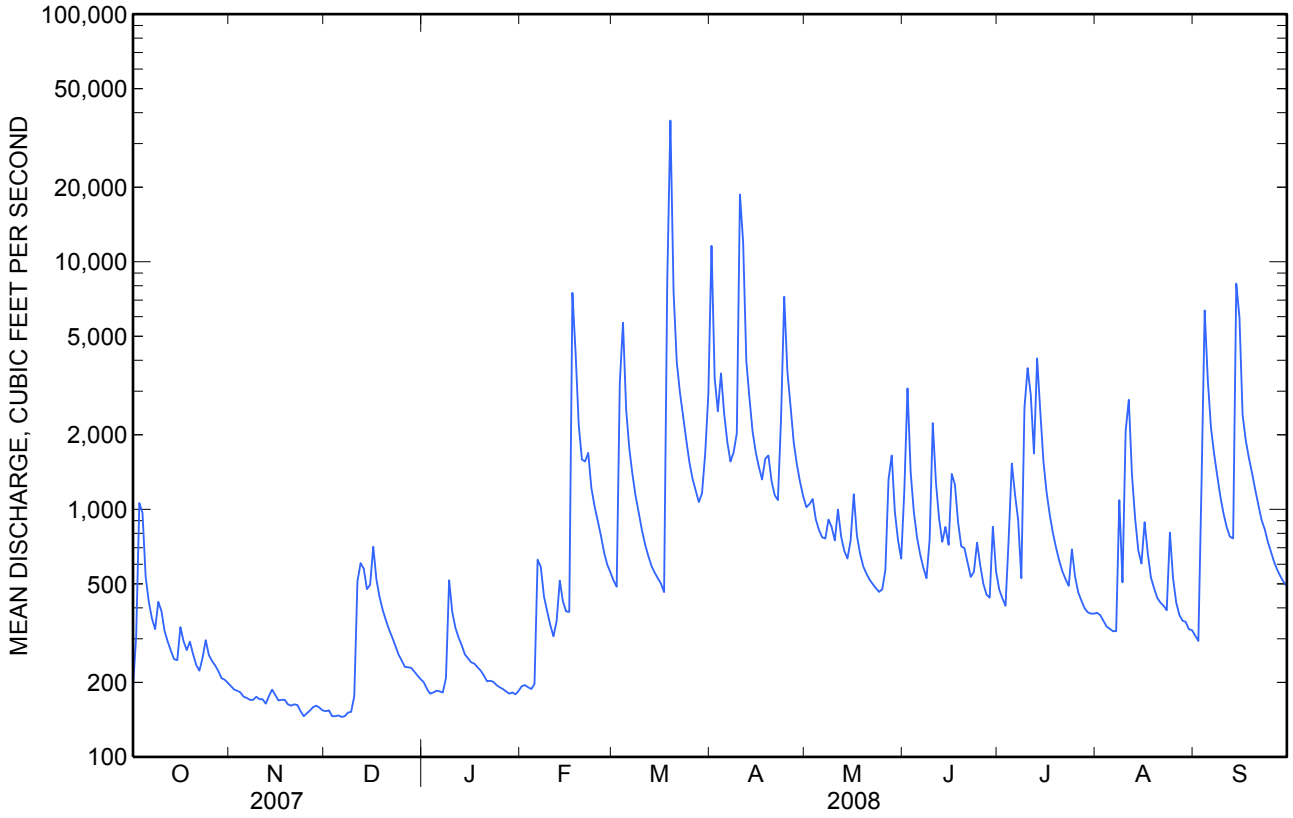
	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	344	636	665	612	703	986	1,049	954	684	385	245	316
Max	2,734	3,087	2,786	2,396	2,361	3,157	3,435	4,286	3,552	1,807	1,172	1,690
(WY)	(1987)	(1974)	(1988)	(2005)	(2001)	(2008)	(2008)	(1961)	(2000)	(1958)	(1961)	(2008)
Min	20.9	65.6	60.4	61.4	75.1	114	176	144	113	50.7	33.2	14.9
(WY)	(1957)	(1964)	(1956)	(1956)	(1964)	(1956)	(1963)	(1977)	(1963)	(1964)	(1956)	(1956)

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

SUMMARY STATISTICS

	Calendar Year 2007		Water Year 2008		Water Years 1956 - 2008	
Annual total	169,478		420,832			
Annual mean	464		1,150		631	
Highest annual mean					1,247	1993
Lowest annual mean					151	1964
Highest daily mean	9,120	Jan 14	37,200	Mar 19	37,200	Mar 19, 2008
Lowest daily mean	115	Aug 24	145	Dec 6	10	Sep 19, 1956
Annual seven-day minimum	120	Aug 13	148	Dec 3	11	Sep 22, 1956
Maximum peak flow			53,000	Mar 19	[a]68,000	Jul 25, 1960
Maximum peak stage			24.73	Mar 19	25.96	Jul 25, 1960
Annual runoff (ac-ft)	336,200		834,700		456,800	
Annual runoff (cfsm)	0.731		1.81		0.993	
Annual runoff (inches)	9.93		24.65		13.49	
10 percent exceeds	808		2,350		1,260	
50 percent exceeds	297		534		294	
90 percent exceeds	154		180		105	

[a] From rating curve extended above 51,000 ft³/s.



WATER-QUALITY RECORDS

PERIOD OF RECORD.--October 1989 to July 1995, July 1996 to current year.

REMARKS.--Samples collected periodically. Specific conductance, pH, water temperature, dissolved oxygen, turbidity, and alkalinity were determined in the field.

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 1 of 8

[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Time	Instantaneous discharge, ft3/s (00061)	Turbdty white light, det ang 90+/-30 corrctd NTRU (63676)	Turbidity, IR LED light, det ang 90 deg, FNU (63680)	Barometric pressure, mm Hg (00025)	Dissolved oxygen, mg/L (00300)	Dissolved oxygen, percent of saturation (00301)	pH, water, unfltrd field, std units (00400)	Specific conductance, wat unf µS/cm 25 degC (00095)	Temperature, air, deg C (00020)	Temperature, water, deg C (00010)	Hardness, water, mg/L as CaCO3 (00900)	Noncarb hardness, wat flt field, mg/L as CaCO3 (00904)
Oct													
04...	1130	889	51	57	742	7.8	91	7.6	248	--	21.5	91	2
15...	1135	245	6.8	12	738	7.2	80	8.1	363	--	19.0	140	13
Dec													
06...	1010	144	3.5	3.7	745	10.5	90	8.0	394	2.5	7.7	140	2
12...	1145	530	14	15	742	6.5	57	7.3	305	2.7	8.8	110	3
Feb													
05...	1000	189	3.4	6.0	729	10.9	105	8.5	395	9.3	11.5	160	41
18...	1315	3,730	77	71	745	11.6	100	7.6	228	4.4	7.8	84	19
Mar													
19...	1315	38,600	330	430	739	10.1	93	6.2	132	--	10.0	41	12
Apr													
01...	1400	12,700	170	150	748	9.1	90	7.5	144	--	14.0	60	9
11...	1105	9,360	100	98	738	7.3	73	7.3	162	--	13.9	63	8
May													
05...	1145	829	5.2	4.6	742	10.0	105	7.4	279	29.6	16.1	120	20
28...	1200	1,620	22	22	743	6.6	76	6.6	248	24.4	20.8	110	14
Jun													
19...	1045	720	12	9.7	739	8.9	104	7.8	280	26.0	21.6	110	9
Jul													
10...	1045	3,140	62	66	741	7.7	92	7.4	201	--	22.8	82	27
Aug													
06...	0945	320	6.7	9.6	741	7.7	102	7.8	322	35.4	28.1	130	--
11...	1200	2,550	64	62	735	8.3	100	7.7	210	--	22.5	84	6
Sep													
04...	1500	7,000	110	100	735	8.2	97	7.4	182	22.4	21.4	73	6
15...	1130	4,150	80	75	748	8.7	98	7.1	206	20.8	20.1	83	5

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 2 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Calcium water, fltrd, mg/L (00915)	Calcium water unfltrd recover-able, mg/L (00916)	Magnes-ium, water, fltrd, mg/L (00925)	Magnes-ium, water, unfltrd recover-able, mg/L (00927)	Potas-sium, water, fltrd, mg/L (00935)	Potas-sium, water, unfltrd recover-able, mg/L (00937)	Sodium adsorp-tion ratio (00931)	Sodium frac-tion of cations percent (00932)	Sodium, water, fltrd, mg/L (00930)	Sodium, water, unfltrd recover-able, mg/L (00929)	Alka-linity, wat flt inf tit field, mg/L as CaCO3 (39086)	Bicar-bonate, wat flt infl pt titr., field, mg/L (00453)	Carbon-ate, wat flt infl pt titr., field, mg/L (00452)
Oct													
04...	33.8	35.9	1.70	1.79	4.74	4.82	.4	16	8.29	9.0	90	109	<1
15...	52.8	51.5	2.35	2.15	5.26	5.04	.6	20	16.8	16.3	130	157	<1
Dec													
06...	53.5	56.3	2.34	2.27	5.30	5.20	.8	23	20.8	20.5	142	172	<1
12...	41.0	43.6	1.93	1.88	4.59	4.50	.6	21	14.2	14.5	108	130	<1
Feb													
05...	60.4	52.7	2.73	2.36	6.33	5.10	.8	23	23.2	20.0	123	148	<1
18...	30.1	31.3	2.10	2.16	4.08	4.17	.3	12	5.57	5.7	65	79	<1
Mar													
19...	14.1	16.0	1.29	1.61	3.86	4.12	.1	9	2.02	1.9	29	35	<1
Apr													
01...	21.6	23.2	1.47	1.64	3.54	3.87	.2	9	3.04	3.1	51	62	<1
11...	22.5	25.2	1.63	1.82	3.21	3.73	.2	10	3.27	3.4	55	66	<1
May													
05...	42.9	42.1	2.13	2.03	3.34	3.56	.3	12	7.83	7.6	97	118	<1
28...	39.0	37.1	2.10	2.00	3.89	3.96	.3	12	6.84	6.7	93	113	<1
Jun													
19...	41.1	43.4	2.09	2.10	3.92	3.83	.3	13	8.02	8.0	102	122	1
Jul													
10...	29.9	32.6	1.80	1.91	4.62	4.68	.2	11	4.96	5.0	55	67	<1
Aug													
06...	48.7	50.5	2.19	2.02	4.76	4.55	.5	16	12.0	12.0	141	166	3
11...	31.1	32.0	1.62	1.59	4.39	4.07	.3	12	5.38	5.5	79	96	<1
Sep													
04...	26.5	27.0	1.79	1.89	4.38	4.49	.2	11	4.60	4.6	67	82	<1
15...	29.9	29.8	1.94	1.99	4.31	4.40	.2	11	4.77	4.7	78	95	<1

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 3 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Chloride, water, fltrd, mg/L (00940)	Sulfate water, fltrd, mg/L (00945)	Residue water, fltrd, sum of constituents mg/L (70301)	Residue water, fltrd, tons/acre-ft (70303)	Residue water, dissolved, tons/d (70302)	Residue on evap. at 180degC wat flt mg/L (70300)	Ammonia + org-N, water, unfltrd mg/L as N (00625)	Ammonia water, fltrd, mg/L (71846)	Ammonia water, fltrd, mg/L as N (00608)	Nitrate + nitrite water fltrd, mg/L as N (00631)	Nitrate water, fltrd, mg/L (71851)	Nitrate water, fltrd, mg/L as N (00618)	Nitrite water, fltrd, mg/L (71856)
Oct													
04...	9.75	10.1	E130	.20	347	145	.60	E.01	E.011	1.77	7.82	1.77	.023
15...	17.6	16.4	E200	.30	145	220	.28	E.02	E.015	2.63	11.6	2.63	.018
Dec													
06...	21.7	20.5	E219	.32	91.1	234	.20	--	<.020	2.28	10.1	2.28	.009
12...	16.3	17.0	E169	.24	256	179	.37	.04	.029	2.09	9.24	2.09	.012
Feb													
05...	22.8	23.6	E224	.29	110	216	.20	E.02	E.014	2.84	12.5	2.83	.017
18...	8.16	11.9	E117	.17	1,230	122	.85	.06	.045	3.49	15.4	3.48	.024
Mar													
19...	2.60	5.03	E53	.10	7,610	73	1.9	.08	.065	1.28	5.63	1.27	.024
Apr													
01...	3.70	6.36	E77	.13	3,400	99	1.3	.06	.048	1.43	6.29	1.42	.026
11...	4.20	7.95	85	.13	2,430	96	.82	.03	.026	2.15	9.48	2.14	.020
May													
05...	9.73	11.5	E149	.23	381	170	.21	--	<.020	3.13	13.9	3.13	.013
28...	8.02	11.5	E136	.21	681	156	.63	.04	.030	2.01	8.86	2.00	.034
Jun													
19...	9.71	10.9	E148	.23	326	168	.35	--	<.020	2.41	10.6	2.40	.009
Jul													
10...	5.93	8.28	E96	.18	1,140	134	.88	.03	.023	1.52	6.71	1.52	.023
Aug													
06...	13.7	11.5	E190	.26	165	191	.18	E.02	E.019	2.69	11.9	2.69	.023
11...	6.14	8.02	E110	.17	878	128	.62	E.02	E.013	1.40	6.18	1.40	.017
Sep													
04...	5.02	7.93	E96	.18	2,460	130	1.0	.04	.028	1.15	5.05	1.14	.022
15...	5.59	8.54	E110	.19	1,590	142	.80	.03	.024	1.66	7.31	1.65	.018

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 4 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Nitrite water, fltrd, mg/L as N (00613)	Organic nitrogen, water, unfltrd mg/L (00605)	Total nitrogen, water, unfltrd mg/L (00600)	Orthophosphate, water, fltrd, mg/L (00660)	Orthophosphate, water, fltrd, mg/L as P (00671)	Phosphorus, water, fltrd, mg/L as P (00666)	Phosphorus, water, unfltrd mg/L as P (00665)	Hydrogen ion, water, unfltrd calcd, mg/L (00191)	Organic carbon, water, unfltrd mg/L (00680)	Enterococci, Defined Substr. Tech., water, MPN (99601)	E coli, Defined Substr. Tech., water, MPN/100 mL (50468)	Total coliform, Defined Tech., MPN/100 mL (50569)	Aluminum, water, fltrd, µg/L (01106)
Oct													
04...	.007	E.60	2.4	.447	.146	.156	.273	.00002	5.2	--	10	240	25.2
15...	.006	E.28	2.9	.219	.071	.080	.105	.00001	2.1	--	100	16,000	2.1
Dec													
06...	.003	--	2.5	.114	.037	.048	.051	.00001	2.0	--	<10	1,300	2.1
12...	.004	.34	2.5	.264	.086	.092	.122	.00005	3.5	--	--	--	E1.6
Feb													
05...	.005	E.20	3.0	.043	.014	.022	.034	M	2.2	2	<10	750	3.7
18...	.007	.81	4.3	.441	.144	.161	.309	.00003	6.7	1,400	2,500	40,000	11.7
Mar													
19...	.007	1.8	3.2	.781	.255	.294	.67	.00059	15.3	3,300	16,000	>240,000	93.3
Apr													
01...	.008	1.2	2.7	.520	.170	.181	.38	.00003	10.7	>9,700	17,000	160,000	25.7
11...	.006	.80	3.0	.390	.127	.139	.27	.00005	6.9	2,900	3,900	82,000	30.1
May													
05...	.004	--	3.3	.142	.046	.054	.066	.00004	1.9	4	31	6,900	2.9
28...	.010	.60	2.6	.389	.127	.140	.199	.00028	6.0	250	800	130,000	5.5
Jun													
19...	.003	--	2.8	.269	.088	.090	.114	.00002	2.9	6	85	9,800	2.5
Jul													
10...	.007	.86	2.4	.602	.196	.212	.29	.00004	8.0	>4,800	4,000	240,000	10.4
Aug													
06...	.007	E.18	2.9	.224	.073	.080	.098	.00001	1.9	8	20	9,800	2.9
11...	.005	E.62	2.0	.457	.149	.158	.279	.00002	5.1	4,800	820	48,000	8.1
Sep													
04...	.007	1.0	2.2	.610	.199	.233	.41	.00004	10.1	>4,800	3,100	20,000	18.6
15...	.005	.77	2.5	.451	.147	.163	.299	.00008	7.3	>4,800	3,300	170,000	12.6

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 5 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Aluminum, water, unfltrd recoverable, µg/L (01105)	Antimony, water, fltrd, µg/L (01095)	Antimony, water, unfltrd µg/L (01097)	Arsenic water, fltrd, µg/L (01000)	Arsenic water, unfltrd µg/L (01002)	Barium, water, fltrd, µg/L (01005)	Barium, water, unfltrd recoverable, µg/L (01007)	Beryllium, water, fltrd, µg/L (01010)	Beryllium, water, unfltrd recoverable, µg/L (01012)	Cadmium water, fltrd, µg/L (01025)	Cadmium water, unfltrd µg/L (01027)	Chromium, water, fltrd, µg/L (01030)	Chromium, water, unfltrd recoverable, µg/L (01034)
Oct													
04...	865	E.11	E.1	.88	1.3	46	58.9	<.01	.09	E.02	.04	<1	1
15...	225	E.09	E.1	.58	.65	55	61.8	<.01	E.03	<.04	.03	<1	<1
Dec													
06...	62	<.14	<.1	.39	E.38	53	51.8	<.01	<.04	<.04	<.01	<1	<1
12...	264	E.10	E.1	.50	.66	44	48.0	<.01	E.03	E.03	.02	<1	<1
Feb													
05...	84	E.09	<.1	.29	E.42	47	48.0	<.01	<.04	E.02	.02	<1	M
18...	1,010	<.14	E.1	.55	1.3	37	50.8	<.01	.13	<.04	.06	<1	1
Mar													
19...	3,730	<.14	E.1	.96	2.9	21	96.8	E.01	.49	<.04	.18	<1	6
Apr													
01...	2,310	E.08	E.1	.76	2.1	29	70.8	E.01	.30	<.04	.10	<1	3
11...	1,440	<.14	.2	.65	1.6	33	64.0	<.01	.19	<.04	.07	<1	3
May													
05...	123	<.14	E.1	.43	E.54	48	50.9	<.01	<.04	<.04	.02	<1	<1
28...	314	E.09	E.1	.79	1.1	46	51.4	<.01	.04	<.04	.04	M	M
Jun													
19...	178	E.08	E.1	.63	.75	50	55.9	<.01	E.02	<.04	.03	<1	M
Jul													
10...	792	E.09	E.1	1.1	1.6	40	57.7	<.01	.11	<.04	.05	<1	2
Aug													
06...	161	E.08	E.1	.63	.70	57	58.2	<.01	<.04	<.04	.02	<1	M
11...	847	E.11	E.1	1.0	1.5	42	55.1	<.01	.10	<.04	.04	<1	1
Sep													
04...	1,400	E.10	E.1	1.2	2.2	36	67.7	<.01	.18	<.04	.05	<1	2
15...	959	E.09	<.1	1.0	1.6	44	65.4	M	.11	<.04	.04	<1	2

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 6 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Cobalt water, fltrd, µg/L (01035)	Cobalt water, unfltrd recover -able, µg/L (01037)	Copper, water, fltrd, µg/L (01040)	Copper, water, unfltrd recover -able, µg/L (01042)	Iron, water, fltrd, µg/L (01046)	Iron, water, unfltrd recover -able, µg/L (01045)	Lead, water, fltrd, µg/L (01049)	Lead, water, unfltrd recover -able, µg/L (01051)	Mangan- ese, water, fltrd, µg/L (01056)	Mangan- ese, water, unfltrd recover -able, µg/L (01055)	Molyb- denum, water, fltrd, µg/L (01060)	Molyb- denum, water, unfltrd recover -able, µg/L (01062)	Nickel, water, fltrd, µg/L (01065)
Oct													
04...	.23	.96	1.2	2.1	30	912	E.08	1.83	6.0	91.7	.8	.6	1.1
15...	.32	.51	E.73	<1.2	E5	300	E.08	.55	17.5	46.1	.9	.8	1.2
Dec													
06...	.32	.32	<1.0	<1.2	10	102	E.04	.14	16.1	23.4	.8	.8	1.9
12...	.28	.44	1.3	<1.2	16	294	.08	.53	18.4	40.4	.9	.8	1.6
Feb													
05...	.36	.45	E.53	<1.2	19	126	E.05	.20	11.6	24.6	1.0	.9	1.6
18...	.16	1.2	1.1	2.5	38	1,300	E.06	2.34	14.8	138	.3	.3	.91
Mar													
19...	.18	4.8	2.2	7.3	142	4,620	.15	13.8	12.6	537	.3	.1	1.1
Apr													
01...	.13	2.5	1.6	5.3	57	2,500	E.06	5.58	8.6	246	.3	.2	.97
11...	.12	1.6	1.4	3.0	71	1,760	.09	3.33	8.9	160	.3	.2	.92
May													
05...	.22	.23	<1.0	E.61	10	144	<.08	.23	11.8	20.3	.4	.4	.66
28...	.14	.39	1.3	1.9	35	427	E.05	.60	7.4	40.4	.6	.5	1.2
Jun													
19...	.19	.38	E.72	E1.1	11	248	<.08	.44	16.1	42.4	.5	.5	.89
Jul													
10...	.13	1.1	1.8	2.9	57	1,230	E.06	2.14	7.5	124	.5	.4	1.2
Aug													
06...	.18	.33	E.53	E.61	E4	209	<.08	.34	9.9	36.7	.7	.7	.73
11...	.15	1.0	1.3	2.5	17	940	<.08	2.03	6.6	105	.6	.5	.90
Sep													
04...	.16	1.9	2.0	4.0	82	1,920	E.07	3.68	10.0	208	.6	.4	1.4
15...	.14	1.1	1.3	2.6	37	1,310	E.05	2.31	11.2	118	.4	.4	1.2

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008
Part 7 of 8
[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Nickel, water, unfltrd recover -able, µg/L (01067)	Selen- ium, water, fltrd, µg/L (01145)	Selen- ium, water, unfltrd µg/L (01147)	Silver, water, fltrd, µg/L (01075)	Silver, water, unfltrd recover -able, µg/L (01077)	Thall- ium, water, fltrd, µg/L (01057)	Thall- ium, water, unfltrd µg/L (01059)	Vana- dium, water, fltrd, µg/L (01085)	Vanad- dium, water, unfltrd µg/L (01087)	Zinc, water, fltrd, µg/L (01090)	Zinc, water, unfltrd recover -able, µg/L (01092)	Suspnd. sedi- ment, sieve diametr percent <62.5um (70331)	Sus- pended sedi- ment concen- tration mg/L (80154)
Oct													
04...	2.1	.27	.22	<.1	E.01	<.04	<.08	1.1	3	E1.4	6.6	100	68
15...	1.3	.21	.19	<.1	<.02	<.04	<.08	.85	2	2.3	2.3	95	20
Dec													
06...	1.4	.21	.15	<.1	<.02	<.04	<.08	.48	<1	E1.8	E1.5	85	7
12...	1.4	.21	.19	<.1	<.02	<.04	<.08	.50	<1	3.1	3.5	76	25
Feb													
05...	1.5	.23	.24	<.1	<.02	<.04	<.08	.41	M	3.1	2.8	72	11
18...	2.4	.46	.49	<.1	E.02	<.04	<.08	.57	3	E1.4	7.7	95	111
Mar													
19...	7.0	.22	.37	<.1	.06	<.04	E.05	1.1	10	3.3	30.9	96	422
Apr													
01...	4.1	.25	.31	<.1	.04	<.04	E.04	.81	6	E1.6	18.4	97	205
11...	3.1	.29	.35	<.1	E.02	<.04	<.08	.76	4	2.2	10.0	94	160
May													
05...	.70	.29	.23	<.1	<.02	<.04	<.08	.54	M	E1.6	E1.5	82	6
28...	1.6	.25	.24	<.1	E.01	<.04	<.08	.80	1	E1.5	3.4	98	28
Jun													
19...	.96	.24	.22	<.1	<.02	<.04	E.05	.79	M	E1.4	2.1	98	16
Jul													
10...	2.6	.26	.26	<.1	E.01	<.04	<.08	1.1	3	2.5	7.6	98	99
Aug													
06...	.77	.19	.21	<.1	<.02	<.04	<.08	1.0	1	E1.4	E1.7	96	13
11...	2.0	.24	.21	<.1	E.01	<.04	E.05	1.2	2	E.93	6.8	99	83
Sep													
04...	3.6	.28	.29	<.1	.02	<.04	<.08	1.3	5	1.9	11.0	95	176
15...	2.6	.36	.30	<.1	<.02	<.04	<.08	.98	3	E1.5	6.9	94	101

07195500 ILLINOIS RIVER NEAR WATTS, OK—Continued

WATER-QUALITY DATA WATER YEAR OCTOBER 2007 TO SEPTEMBER 2008

Part 8 of 8

[Remark codes: <, less than; >, greater than; E, estimated; M, presence verified but not quantified.]

Date	Suspended sediment discharge, tons/d (80155)
Oct	
04...	163
15...	13
Dec	
06...	2.7
12...	36
Feb	
05...	5.6
18...	1,120
Mar	
19...	44,000
Apr	
01...	7,030
11...	4,040
May	
05...	13
28...	122
Jun	
19...	31
Jul	
10...	839
Aug	
06...	11
11...	571
Sep	
04...	3,330
15...	1,130