Water-Data Report 2012

07241800 NORTH CANADIAN RIVER AT SHAWNEE, OK

Lower North Canadian Basin
Lower North Canadian Subbasin

LOCATION.--Lat 35°19′59″, long 96°52′09″ referenced to North American Datum of 1927, in SE ¼ SW ¼ sec.15, T.10 N., R.4 E., Pottawatomie County, OK, Hydrologic Unit 11100302, on right bank downstream side State Highway 3E bridge, 2.8 mi east from Highway 18, 3E junction and at mile 203.

DRAINAGE AREA.--14,005 mi^2 of which 3,497 mi^2 probably is noncontributing, revised. From automated delineation using 10-meter National Elevation Dataset digital elevation model data dated 10/01/2006 and Watershed Boundary Dataset dated 10/01/2006, using Albers Equal-Area Projection, North American Datum 1983.

SURFACE-WATER RECORDS

PERIOD OF RECORD.--February 2001 to current year.

REVISED RECORDS.--WDR 2012: Drainage area.

GAGE.--Water-stage recorder. Datum of gage is 898.51 ft above NGVD of 1929 (Oklahoma State Highway Department benchmark).

REMARKS.-- Records poor. Flow regulated by Canton Lake (station 07238500) and by Lake Overholser (station 07240500) where diversions are made into Lake Hefner Canal (station 07240000). Low flow sustained in part by sewage effluent from Oklahoma City. U.S. Geological Survey's satellite telemeter located at station.

07241800 NORTH CANADIAN RIVER AT SHAWNEE, OK—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
DAILY MEAN VALUES
[e, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	66	e153	e120	e110	203	e98	e187	545	915	e94	e45	87
2	69	e139	e125	e104	193	e77	e158	1,230	399	e93	e35	77
3	75	e186	e170	e111	e139	e73	e160	e578	265	e92	e31	65
4	65	147	e266	e111	e150	e71	162	e295	e262	e85	e31	59
5	56	e126	e747	e103	e157	e70	603	e226	e294	e75	e30	55
6	e54	e127	e369	e98	159	e82	299	e198	e221	66	e31	55
7	e78	e135	274	e95	e130	e122	e180	e195	e180	e65	e32	e65
8	e67	343	e135	e100	e115	e107	166	e174	e398	e81	36	e87
9	e105	e979	e125	e98	104	e88	145	170	e390	e88	33	e68
10	1,510	763	e115	85	e111	263	125	e157	e187	e89	e44	e141
11	2,200	452	e110	e100	e106	309	157	147	e159	e89	52	e76
12	674	e181	e105	e101	158	406	e121	e152	e131	e91	e41	e60
13	395	e140	e103	88	e126	e782	e260	e190	e115	e124	e44	e55
14	357	e130	e100	e92	110	e236	1,150	338	e99	e128	e45	e57
15	286	e160	e98	e89	e107	e180	2,560	e205	e648	e112	e43	157
16	241	e120	e96	e134	e108	e160	1,520	e152	587	e90	40	233
17	e203	e100	156	e174	103	e159	1,060	e143	e678	e87	40	e136
18	e206	e92	e122	229	e103	e155	e471	e120	e293	126	e121	e98
19	188	e88	e118	e275	105	e1,600	e371	e101	e183	e387	e104	e84
20	161	e80	e121	e161	e131	4,680	e375	e141	e130	e151	204	e79
21	143	e140	165	e160	e134	2,380	509	e276	e188	e107	214	e62
22	129	e160	210	e134	104	1,320	e465	463	e347	e86	e115	e63
23	123	783	e152	e137	e95	1,120	e295	423	e338	e69	e80	e61
24	161	441	136	e110	e92	e644	e249	e158	190	e62	e70	e60
25	297	e190	139	172	e82	400	e198	e132	e144	e60	e61	e59
26	189	e160	124	1,700	e81	319	207	e126	e128	e57	206	e64
27	182	e140	e115	789	79	e255	e170	e110	e148	e76	e221	e145
28	192	303	e112	340	e73	e237	213	e99	e183	e69	439	1,550
29	677	e180	e111	237	124	e210	e153	e104	e112	e59	183	e1,060
30	298	e136	e110	e199	---	e207	e170	e130	e109	54	e141	e408
31	e193	---	e117	e146	---	e202	---	e1,740	---	48	e108	---
Total	9,640	7,274	5,066	6,582	3,482	17,012	12,859	9,218	8,421	2,960	2,920	5,326
Mean	311	242	163	212	120	549	429	297	281	95.5	94.2	178
Max	2,200	979	747	1,700	203	4,680	2,560	1,740	915	387	439	1,550
Min	54	80	96	85	73	70	121	99	99	48	30	55
Ac-ft	19,120	14,430	10,050	13,060	6,910	33,740	25,510	18,280	16,700	5,870	5,790	10,560

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 2001 - 2012, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	349	272	271	297	393	561	608	723	935	708	594	342
Max	744	947	706	639	942	1,379	2,248	2,411	3,736	4,308	3,492	912
(WY)	(2010)	(2005)	(2008)	(2005)	(2008)	(2008)	(2008)	(2007)	(2007)	(2007)	(2007)	(2007)
Min	121	96.2	129	130	101	127	140	164	150	91.2	90.2	97.6
(WY)	(2007)	(2007)	(2011)	(2006)	(2006)	(2011)	(2006)	(2006)	(2011)	(2011)	(2011)	(2011)

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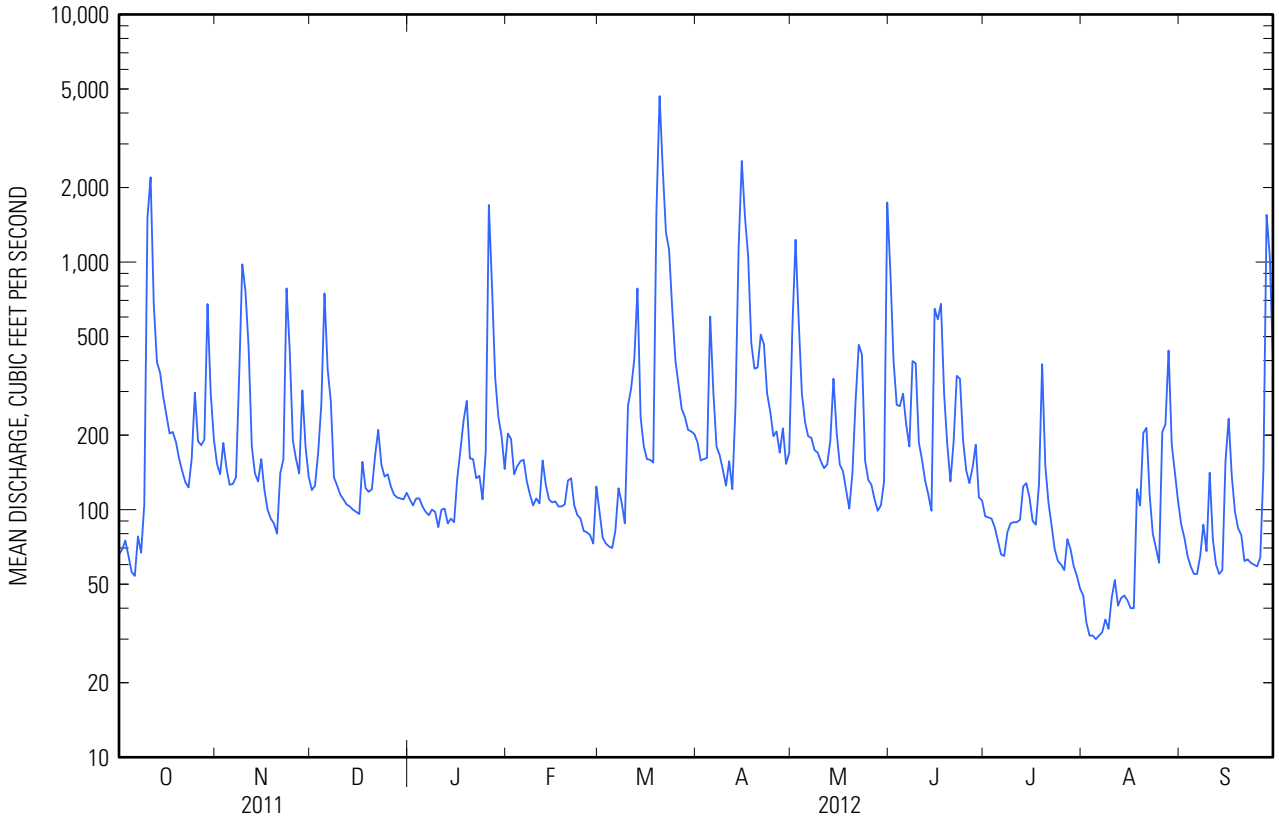
SUMMARY STATISTICS

	Calendar Year 2011		Water Year 2012		Water Years 2001 - 2012	
Annual total	76,601		90,760			
Annual mean	210		248		500	
Highest annual mean					1,385	2007
Lowest annual mean					147	2006
Highest daily mean	4,920	May 21	4,680	Mar 20	16,600	Aug 24, 2007
Lowest daily mean	[a]44	Aug 6	[a]30	Aug 5	[a]30	Aug 5, 2012
Annual seven-day minimum	50	Jul 31	32	Aug 3	32	Aug 3, 2012
Maximum peak flow			5,700	Mar 20	19,300	Aug 24, 2007
Maximum peak stage			16.12	Mar 20	22.17	Aug 24, 2007
Annual runoff (ac-ft)	151,900		180,000		362,300	
10 percent exceeds	339		455		959	
50 percent exceeds	124		136		216	
90 percent exceeds	69		63		92	

[a] Estimated.



WATER-QUALITY RECORDS

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

Part 1 of 14

[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Barometric pressure, mm Hg (00025)	Temperature, air, °C (00020)	Discharge, instantaneous, ft³/s (00061)	Dissolved oxygen, water, unfiltered, mg/L (00300)	Dissolved oxygen, water, unfiltered, % saturation (00301)	pH, water, unfiltered, field, standard units (00400)	Specific conductance, water, unfiltered, µS/cm at 25°C (00095)	Temperature, water, °C (00010)	Dissolved solids dried at 180°C, water, filtered, mg/L (70300)
01-09-2012	**1500**	740	5.7	E 98	13.8	120	8.4	566	8.1	581
03-20-2012	**1130**	728	12.0	5,700	5.6	58	7.9	365	15.1	224
05-31-2012	**1330**	739	26.4	E 1,740	4.8	60	7.7	522	25.2	301
06-26-2012	**1230**	746	40.6	E 128	15.4	220	9.3	843	33.2	492
08-26-2012	**1200**	742	29.0	238	6.5	80	8.4	507	25.0	304
09-17-2012	**1130**	739	--	E 136	10.2	119	8.8	716	21.4	474

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012

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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Dissolved solids, water, filtered, sum of constituents, mg/L (70301)	Dissolved solids, water, filtered, tons per acre-foot (70303)	Dissolved solids, water, tons per day (70302)	Hardness, water, mg/L as $CaCO_3$ (00900)	Noncarbonate hardness, water, filtered, field, mg/L as $CaCO_3$ (00904)	Calcium, water, filtered, mg/L (00915)	Magnesium, water, filtered, mg/L (00925)	Potassium, water, filtered, mg/L (00935)	Sodium adsorption ratio, water, number (00931)
01-09-2012	**1500**	578	0.79	E 154	244	88	61.7	21.8	11.3	2.74
03-20-2012	**1130**	201	.30	3,450	120	25	33.0	9.17	3.96	.99
05-31-2012	**1330**	289	.41	E 1,410	169	43	45.6	13.5	4.84	1.41
06-26-2012	**1230**	474	.67	170	190	63	44.3	19.3	9.69	3.27
08-26-2012	**1200**	268	.41	196	112	23	29.3	9.44	6.78	1.97
09-17-2012	**1130**	438	.64	174	175	35	43.4	16.3	8.02	2.37

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WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Sodium, water, filtered, mg/L (00930)	Alkalinity, water, filtered, inflection-point, incremental titration method, field, mg/L as $CaCO_3$ (39086)	Bicarbonate, water, filtered, inflection-point, incremental titration method, field, mg/L (00453)	Carbonate, water, filtered, inflection-point incremental titration method, field, mg/L (00452)	Chloride, water, filtered, mg/L (00940)	Fluoride, water, filtered, mg/L (00950)	Silica, water, filtered, mg/L as SiO_2 (00955)	Sulfate, water, filtered, mg/L (00945)
01-09-2012	**1500**	98.2	157	189	< 1.0	143	0.845	7.45	99.8
03-20-2012	**1130**	25.0	95.0	116	< 1.0	27.9	.306	6.23	34.6
05-31-2012	**1330**	42.2	128	155	< 1.0	44.5	.377	5.31	51.2
06-26-2012	**1230**	104	130	113	20.4	138	.690	.722	78.5
08-26-2012	**1200**	48.0	89.4	106	1.3	58.2	.432	6.13	45.8
09-17-2012	**1130**	72.2	140	163	4.0	106	.638	5.13	84.6

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft³/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Ammonia plus organic nitrogen, water, filtered, mg/L as N (00623)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, mg/L as NH4 (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, mg/L (71851)	Nitrate, water, filtered, mg/L as N (00618)	Nitrite, water, filtered, mg/L (71856)	Nitrite, water, filtered, mg/L as N (00613)
01-09-2012	**1500**	1.00	1.18	0.248	0.193	7.39	32.2	7.28	0.367	0.112
03-20-2012	**1130**	.825	4.36	.545	.423	.685	2.90	.655	.099	.0301
05-31-2012	**1330**	.724	3.13	.395	.307	.901	3.60	.814	.288	.0876
06-26-2012	**1230**	.714	2.96	< .013	< .010	.544	2.13	.480	.209	.0638
08-26-2012	**1200**	.810	2.64	.128	.0994	1.69	7.06	1.60	.302	.0920
09-17-2012	**1130**	.720	1.46	< .013	< .010	3.30	14.4	3.25	.157	.0479

07241800 NORTH CANADIAN RIVER AT SHAWNEE, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Organic nitrogen, water, filtered, mg/L (00607)	Organic nitrogen, water, unfiltered, mg/L (00605)	Orthophosphate, water, filtered, mg/L (00660)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, filtered, mg/L as P (00666)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, filtered, mg/L (00602)	Total nitrogen, water, unfiltered, mg/L (00600)
01-09-2012	**1500**	0.81	0.99	7.77	2.53	2.53	2.70	8.4	8.6
03-20-2012	**1130**	.40	3.9	.380	.124	.132	1.52	1.5	5.0
05-31-2012	**1330**	.42	2.8	.845	.276	.308	1.30	1.6	4.0
06-26-2012	**1230**	< .71	< 3.0	.836	.273	.323	.698	1.3	3.5
08-26-2012	**1200**	.71	2.5	2.66	.867	.929	1.34	2.5	4.3
09-17-2012	**1130**	< .72	< 1.5	3.25	1.06	1.06	1.21	4.0	4.8

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Escherichia coli, Defined Substrate Technology, water, MPN/100 mL (50468)	Total coliform, Defined Substrate Technology, water, MPN/100 mL (50569)	Cadmium, water, unfiltered, µg/L (01027)	Iron, water, filtered, µg/L (01046)	Manganese, water, filtered, µg/L (01056)	Arsenic, water, unfiltered, µg/L (01002)	Selenium, water, unfiltered, µg/L (01147)	1,4-Dichlorobenzene, water, unfiltered, recoverable, µg/L (34571)	Atrazine, water, unfiltered, recoverable, µg/L (39630)
01-09-2012	**1500**	--	--	0.062	7.04	9.79	3.73	0.298	< .08	0.044
03-20-2012	**1130**	--	--	1.04	49.3	7.62	10.1	.480	< .08	.508
05-31-2012	**1330**	1,500	10,000	.573	39.4	18.0	7.86	.497	< .08	.088
06-26-2012	**1230**	< 10	10,000	.071	< 3.2	7.55	5.88	.339	< .08	< .16
08-26-2012	**1200**	7,500	1,300,000	.152	82.2	5.80	5.38	.294	< .08	< .16
09-17-2012	**1130**	7,200	820,000	.047	7.51	1.87	4.04	.241	< .08	E .046

07241800 NORTH CANADIAN RIVER AT SHAWNEE, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 7 of 14

[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Bromacil, water, unfiltered, recoverable, µg/L (30234)	Camphor, water, unfiltered, recoverable, µg/L (62817)	Carbaryl, water, unfiltered, recoverable, µg/L (39750)	Carbazole, water, unfiltered, recoverable, µg/L (77571)	Chlorpyrifos, water, unfiltered, recoverable, µg/L (38932)	DEET, water, unfiltered, recoverable, µg/L (61947)	Diazinon, water, unfiltered, recoverable, µg/L (39570)	Dichlorvos, water, unfiltered, recoverable, µg/L (30218)	Metalaxyl, water, unfiltered, recoverable, µg/L (04254)
01-09-2012	1500	0.234	0.026	< .06	< .020	< .12	0.094	< .32	< .08	< .16
03-20-2012	1130	.835	< .08	E .069	.026	< .12	.061	< .32	< .08	< .16
05-31-2012	1330	1.62	< .08	< .06	.025	< .12	.184	< .32	< .08	< .16
06-26-2012	1230	.321	.045	< .06	< .020	< .12	.252	< .32	< .08	< .16
08-26-2012	1200	E .896	< .08	< .06	.022	< .12	E .207	< .32	< .08	< .16
09-17-2012	1130	E .146	E .029	< .06	< .020	< .12	E .129	< .32	< .08	< .16

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Metolachlor, water, unfiltered, recoverable, µg/L (82612)	p-Cresol, water, unfiltered, recoverable, µg/L (77146)	Pentachlorophenol, water, unfiltered, recoverable, µg/L (39032)	Prometon, water, unfiltered, recoverable, µg/L (39056)	1-Methylnaphthalene, water, unfiltered, recoverable, µg/L (81696)	2,6-Dimethylnaphthalene, water, unfiltered, recoverable, µg/L (62805)	2-Methylnaphthalene, water, unfiltered, recoverable, µg/L (30194)	3,4-Dichlorophenyl isocyanate, water, unfiltered, recoverable, µg/L (63145)	3-beta-Coprostanol, water, unfiltered, recoverable, µg/L (62806)
01-09-2012	1500	< .04	< .08	< 1.60	< .16	< .04	< .04	< .04	< .32	E .938
03-20-2012	1130	.125	< .08	E .42	.134	< .04	< .04	< .04	E .801	< 1.6
05-31-2012	1330	.035	< .08	E .26	.112	< .04	< .04	< .04	E 2.13	< 1.6
06-26-2012	1230	< .04	< .08	< 1.60	< .16	< .04	< .04	< .04	E .276	E .851
08-26-2012	1200	< .04	< .08	E .08	.041	< .04	< .04	< .04	E .590	E .635
09-17-2012	1130	E .022	< .08	< 1.60	E .054	< .04	< .04	< .04	E .312	E .190

07241800 NORTH CANADIAN RIVER AT SHAWNEE, OK—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
Part 9 of 14

[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	3-Methyl-1H-indole, water, unfiltered, recoverable, µg/L (62807)	3-tert-Butyl-4-hydroxyanisole, water, unfiltered, recoverable, µg/L (61702)	4-Cumylphenol, water, unfiltered, recoverable, µg/L (62808)	4-n-Octylphenol, water, unfiltered, recoverable, µg/L (62809)	4-Nonylphenol (sum of all isomers), water, unfiltered, recoverable, µg/L (62829)	4-Nonylphenol diethoxylate (sum of all isomers), water, unfiltered, recoverable, µg/L (61703)	4-Nonylphenol monoethoxylate (sum of all isomers), water, unfiltered, recoverable, µg/L (61704)	4-tert-Octylphenol diethoxylate, water, unfiltered, recoverable, µg/L (62486)	4-tert-Octylphenol monoethoxylate, water, unfiltered, recoverable, µg/L (62485)
01-09-2012	1500	< .04	< .16	< .04	< .02	E .21	E .58	E .27	E .09	< .60
03-20-2012	1130	< .04	< .16	< .04	< .02	< 1.6	< 1.60	< 1.6	< .20	< .60
05-31-2012	1330	< .04	< .16	< .04	< .02	< 1.6	< 1.60	< 1.6	< .20	< .60
06-26-2012	1230	< .04	< .16	< .04	< .02	< 1.6	< 1.60	< 1.6	< .20	< .60
08-26-2012	1200	< .04	< .16	< .04	< .02	E .65	E 1.03	< 1.6	< .20	< .60
09-17-2012	1130	< .04	< .16	< .04	< .02	< 1.6	< 1.60	< 1.6	< .20	< .60

WATER-QUALITY DATA
WATER YEAR OCTOBER 2011 TO SEPTEMBER 2012
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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	4-tert-Octylphenol, water, unfiltered, recoverable, µg/L (62810)	5-Methyl-1H-benzotriazole, water, unfiltered, recoverable, µg/L (61944)	9,10-Anthraquinone, water, unfiltered, xxx (62813)	Acetophenone, water, unfiltered, recoverable, µg/L (62811)	Acetyl hexamethyl tetrahydronaphthalene, water, unfiltered, recoverable, µg/L (62812)	Anthracene, water, unfiltered, recoverable, µg/L (34220)	BDE congener 47, water, unfiltered, recoverable, µg/L (63147)	Benzo[a]pyrene, water, unfiltered, recoverable, µg/L (34247)	Benzophenone, water, unfiltered, recoverable, µg/L (62814)
01-09-2012	1500	E .049	E .456	< .04	< .4	0.022	< .02	< .04	< .02	0.12
03-20-2012	1130	E .034	E .195	E .081	< .4	< .04	< .02	< .04	.064	.04
05-31-2012	1330	< .4	E .489	E .124	< .4	< .04	< .02	< .04	.082	.04
06-26-2012	1230	< .4	E .491	< .04	< .4	< .04	< .02	< .04	< .02	.11
08-26-2012	1200	E .036	E .489	E .102	< .4	< .04	.011	< .04	.022	.06
09-17-2012	1130	< .4	E .278	E .024	< .4	< .04	< .02	< .04	< .02	E .04

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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	beta-Sitosterol, water, unfiltered, recoverable, µg/L (62815)	beta-Stigmastanol, water, unfiltered, recoverable, µg/L (61948)	Bis(2-ethylhexyl) phthalate, water, unfiltered, recoverable, µg/L (39100)	Bisphenol A, water, unfiltered, recoverable, µg/L (62816)	Caffeine, water, unfiltered, recoverable, µg/L (81436)	Cholesterol, water, unfiltered, recoverable, µg/L (62818)	Cotinine, water, unfiltered, recoverable, µg/L (61945)	Diethyl phthalate, water, unfiltered, recoverable, µg/L (34336)	D-Limonene, water, unfiltered, recoverable, µg/L (62819)
01-09-2012	1500	< 4.8	< 3.4	< 2	< .04	0.361	E 1.24	E .075	< .4	< .16
03-20-2012	1130	E 1.71	E .56	< 2	.065	.086	E .94	< .08	< .4	< .16
05-31-2012	1330	E 1.04	E .35	< 2	.077	.123	E 1.08	< .08	< .4	< .16
06-26-2012	1230	E 1.48	< 3.4	< 2	< .04	.221	E 2.04	< .100	< .4	< .16
08-26-2012	1200	E 1.46	E .54	< 2	E .075	.229	E 1.18	< .08	< .4	< .16
09-17-2012	1130	E .61	< 3.4	< 2	< .04	E .075	E .55	E .047	< .4	< .16

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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Fluoranthene, water, unfiltered, recoverable, µg/L (34376)	Hexahydrohexamethyl cyclopentabenzopyran, water, unfiltered, recoverable, µg/L (62823)	Indole, water, unfiltered, recoverable, µg/L (62824)	Isoborneol, water, unfiltered, recoverable, µg/L (62825)	Isophorone, water, unfiltered, recoverable, µg/L (34408)	Isopropylbenzene, water, unfiltered, recoverable, µg/L (77223)	Isoquinoline, water, unfiltered, recoverable, µg/L (62826)	Menthol, water, unfiltered, recoverable, µg/L (62827)	Methyl salicylate, water, unfiltered, recoverable, µg/L (62828)
01-09-2012	1500	< .02	0.273	< .04	< .090	0.026	< .04	< .04	< .32	< .08
03-20-2012	1130	.110	.088	< .04	< .090	.014	< .04	< .04	< .32	< .08
05-31-2012	1330	.143	.056	< .04	< .090	< .050	< .04	< .064	< .32	< .08
06-26-2012	1230	< .02	.028	< .04	< .090	.044	< .04	< .04	< .32	< .08
08-26-2012	1200	.046	.032	< .04	< .090	.030	< .04	< .04	< .32	< .08
09-17-2012	1130	< .02	E .036	< .04	< .090	E .019	< .04	< .04	< .32	< .08

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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Naphthalene, water, unfiltered, recoverable, µg/L (34696)	Phenanthrene, water, unfiltered, recoverable, µg/L (34461)	Phenol, water, unfiltered, recoverable, µg/L (34694)	Pyrene, water, unfiltered, recoverable, µg/L (34469)	Tetrachloroethene, water, unfiltered, recoverable, µg/L (34475)	Tribromomethane, water, unfiltered, recoverable, µg/L (32104)	Tributyl phosphate, water, unfiltered, recoverable, µg/L (62832)	Triclosan, water, unfiltered, recoverable, µg/L (61708)	Triethyl citrate, water, unfiltered, recoverable, µg/L (62833)
01-09-2012	1500	< .02	< .02	< .16	< .02	< .16	< .16	0.133	0.130	0.166
03-20-2012	1130	.021	.050	< .16	.092	< .16	< .16	.099	.044	.077
05-31-2012	1330	< .02	.057	.045	.119	< .16	< .16	.085	< .32	< .050
06-26-2012	1230	.015	< .02	.072	< .02	< .16	< .16	< .064	< .32	< .04
08-26-2012	1200	< .02	.023	.049	.037	< .16	< .16	.105	E .087	< .04
09-17-2012	1130	< .02	< .02	< .16	E .004	< .16	< .16	E .069	< .32	E .020

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[%, percent; $CaCO_3$, calcium carbonate; MPN/100 mL, most probable number per 100 milliliters; N, nitrogen; P, phosphorus; SiO_2, silicon dioxide; ft^3/s, cubic feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; °C, degrees Celsius; µS/cm, microsiemens per centimeter; µg/L, micrograms per liter; --, no data; <, less than; E, estimated]

Date	Sample start time	Triphenyl phosphate, water, unfiltered, recoverable, µg/L (62834)	Tris(2-butoxyethyl) phosphate, water, unfiltered, recoverable, µg/L (62830)	Tris(2-chloroethyl) phosphate, water, unfiltered, recoverable, µg/L (62831)	Tris(dichloroisopropyl) phosphate, water, unfiltered, recoverable, µg/L (61707)
01-09-2012	1500	0.017	E .483	0.218	0.412
03-20-2012	1130	.017	E .408	.087	.144
05-31-2012	1330	.029	< .64	.109	.244
06-26-2012	1230	< .08	E .647	.259	.342
08-26-2012	1200	.013	E .705	.189	.272
09-17-2012	1130	< .08	< .64	E .178	E .319