07258010 WHIG CREEK AT WASTEWATER TREATMENT PLANT NEAR RUSSELLVILLE, AR

Lower Arkansas-Fourche La Fave Basin
Lake Conway-Point Remove Subbasin

LOCATION.--Lat 35°14'49.3", long 93°06'45.9" referenced to North American Datum of 1983, in SE ¼ NW ¼ sec.22, T.7 N., R.20 W., Pope County, AR, Hydrologic Unit 11110203.

WATER-QUALITY RECORDS

PERIOD OF RECORD.--Aug 2009 to current year

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 1 of 3

[%, percent; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; ft, feet; ft/s, feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Sample start time	Barometric pressure, mm Hg (00025)	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)	Turbidity, water, unfiltered, broad band light source (400-680 nm), detectors at multiple angles including 90 +/- 30 degrees, ratiometric correction, NTRU (63676)	Stream width, ft (00004)
12-09-2009	1300	761	10.3	99.1	7.04	364	13.52	E 6.81	30
02-24-2010	1345	766	6.97	63.2	4.77	441	11.17	29.2	30
05-12-2010	1500	768	5.55	63.3	7.41	397	22.18	E 5.79	30
08-17-2010	1315	760	7.92	103.5	7.36	568	28.98	E 7.29	30

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 2 of 3

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Date	Velocity at point in stream, ft/s (81904)	Sampler type (84164)	Sampling method (82398)	Ammonia plus organic nitrogen, water, unfiltered, mg/L as N (00625)	Ammonia, water, filtered, milligrams per liter as NH4 (71846)	Ammonia, water, filtered, mg/L as N (00608)	Nitrate plus nitrite, water, filtered, mg/L as N (00631)	Nitrate, water, filtered, milligrams per liter (71851)	Nitrate, water, filtered, mg/L as N (00618)
12-09-2009	< 1.5	Grab sample	Grab sample(dip)	1.369	.1120	.08697	6.2342	E 27.59	E 6.233
02-24-2010	< 1.5	Grab sample	Grab sample(dip)	9.292	6.963	5.40675	4.1810	16.88	3.813
05-12-2010	< 1.5	Grab sample	Grab sample(dip)	1.417	.0508	.03945	10.5473	46.68	10.54
08-17-2010	< 1.5	Grab sample	Grab sample(dip)	1.709	.0469	.03639	13.3986	59.29	13.39

07258010 WHIG CREEK AT WASTEWATER TREATMENT PLANT NEAR RUSSELLVILLE, AR—Continued

WATER-QUALITY DATA
WATER YEAR OCTOBER 2009 TO SEPTEMBER 2010

Part 3 of 3

[%, percent; N, nitrogen; NTRU, nephelometric turbidity ratio unit; P, phosphorus; ft, feet; ft/s, feet per second; mg/L, milligrams per liter; mm Hg, millimeters of mercury; nm, nanometers; °C, degrees Celsius; µS/cm, microsiemens per centimeter; <, less than; E, estimated]

Date	Nitrite, water, filtered, milligrams per liter (71856)	Nitrite, water, filtered, mg/L as N (00613)	Organic nitrogen, water, unfiltered, mg/L (00605)	Orthophosphate, water, filtered, mg/L (00660)	Orthophosphate, water, filtered, mg/L as P (00671)	Phosphorus, water, unfiltered, mg/L as P (00665)	Total nitrogen, water, unfiltered, mg/L (00600)
12-09-2009	E .0035	E .00106	1.28	4.617	1.50574	2.079	7.60
02-24-2010	1.208	.36766	3.89	8.023	2.61661	3.429	13.5
05-12-2010	.0087	.00266	1.38	7.876	2.56871	2.934	12.0
08-17-2010	.0165	.00501	1.67	14.21	4.63601	5.211	15.1