

Watershed Report

Cypress Creek-Dorcheat Bayou

1114020302

The Center for Advanced Spatial Technologies at the University of Arkansas has developed the Arkansas Automated Reporting and Mapping System with funding from the Arkansas 85th General Assembly through the Arkansas Natural Resource Commission.

The 308 ten-digit watershed units and the 1556 twelve-digit watershed units were delineated by the Natural Resources Conservation Service, a division of the US Department of Agriculture.

For all watersheds that cross the Arkansas border, only the Arkansas portion of the watershed was used for mapping and statistical reporting.

Watershed Summary (10 Digit HUC)

Cypress Creek-Dorcheat Bayou (1114020302)

Area Summary

Area - Square Miles.....	268.70
Area - Acres.....	173986.01

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	119.00	390.00
Elevation Minimum.....	55.00	180.00
Elevation Average.....	81.00	266.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	4.61	1.72%
Bare.....	.07	.03%
Water.....	.66	.25%
Herbaceous.....	13.27	4.96%
Forest.....	233.05	87.05%
Agri - Crops.....	.08	.03%
Agri - pasture.....	15.98	5.97%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	7.71	2.88%
Bare.....	.21	.08%
Water.....	1.00	.37%
Herbaceous.....	18.06	6.75%
Forest.....	223.92	83.64%
Agri - Crops.....	.46	.17%
Agri - pasture.....	16.35	6.11%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	8.69	3.18%
Bare.....	.29	.11%
Water.....	.31	.11%
Herbaceous.....	26.97	9.86%
Forest.....	219.71	80.34%
Agri - Crops.....	1.15	.42%

Agri - pasture.....: 10.57 3.87%

Land Use / Land Cover Change from 1999 to 2004

Area in Acres	Change TO						
	Urban	Bare	Water	Herbaceous	Forest	Agri-Crop	Agri-Pasture
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	1.40	-.--	0.00	0.00	0.00	0.00	0.00
Water	7.83	3.41	-.--	55.60	153.34	.20	34.12
FROM Herb	413.87	23.08	16.86	-.--	1393.93	20.67	1591.43
Forest	1003.75	21.28	181.64	8251.81	-.--	16.46	1745.38
Agri-Crops	1.00	2.41	0.00	16.86	19.07	-.--	5.02
Agri-Pasture	538.10	9.23	13.25	2619.87	1052.53	33.72	-.--

Sub-Watershed Summary (12 Digit HUC)

Kings Creek-Horsehead Creek (111402030201)

Area Summary

Area - Square Miles.....	60.16
Area - Acres.....	38955.56

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	116.00	380.00
Elevation Minimum.....	69.00	226.00
Elevation Average.....	90.00	295.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.13	1.92%
Bare.....	.06	.10%
Water.....	.17	.29%
Herbaceous.....	3.21	5.46%
Forest.....	50.40	85.73%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	3.82	6.50%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.03	3.45%
Bare.....	.10	.17%
Water.....	.19	.32%
Herbaceous.....	4.17	7.09%
Forest.....	48.40	82.34%
Agri - Crops.....	.09	.15%
Agri - pasture.....	3.80	6.46%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.30	3.91%
Bare.....	.10	.17%
Water.....	.10	.17%
Herbaceous.....	5.61	9.55%
Forest.....	48.14	81.91%
Agri - Crops.....	.25	.43%
Agri - pasture.....	2.27	3.86%

Land Use / Land Cover Change from 1999 to 2004

Area in Acres	Change TO						
	Urban	Bare	Water	Herbaceous	Forest	Agri-Crop	Agri-Pasture
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	1.00	-.--	0.00	0.00	0.00	0.00	0.00
Water	1.61	2.21	-.--	14.25	28.30	.20	7.23
FROM Herb	145.72	5.82	6.62	-.--	323.14	7.23	385.16
Forest	311.50	9.23	14.05	1712.86	-.--	3.61	324.75
Agri-Crops	0.0	0.00	0.00	.60	0.00	-.--	0.00
Agri-Pasture	125.85	4.42	9.83	561.79	134.07	10.04	-.--

**Mill Creek-Dorcheat Bayou
(111402030208)**

Area Summary

Area - Square Miles.....	43.19
Area - Acres.....	27966.58

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	112.00	367.00
Elevation Minimum.....	55.00	180.00
Elevation Average.....	71.00	233.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.47	1.10%
Bare.....	.00	-.--%
Water.....	.17	.40%
Herbaceous.....	1.78	4.15%
Forest.....	37.98	88.57%
Agri - Crops.....	.04	.09%
Agri - pasture.....	2.44	5.69%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.69	1.61%
Bare.....	.01	.02%
Water.....	.33	.77%
Herbaceous.....	2.58	6.02%
Forest.....	36.29	84.61%
Agri - Crops.....	.13	.30%
Agri - pasture.....	2.86	6.67%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.76	1.77%
Bare.....	.03	.07%
Water.....	.07	.16%
Herbaceous.....	4.82	11.24%
Forest.....	35.26	82.21%
Agri - Crops.....	.25	.58%
Agri - pasture.....	1.70	3.96%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	0.0	-.--	0.00	0.00	0.00	0.00	0.00
Water	1.40	0.00	-.--	21.07	44.36	0.00	5.22
FROM Herb	17.26	3.21	2.21	-.--	244.06	1.61	268.75
Forest	74.06	2.01	89.52	1654.46	-.--	3.81	312.31
Agri-Crops	.40	0.00	0.00	14.45	12.85	-.--	.20
Agri-Pasture	34.32	.20	0.00	270.76	231.22	4.82	-.--

**Headwaters Cypress Creek
(111402030206)**

Area Summary

Area - Square Miles.....	25.17
Area - Acres.....	16295.53

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	113.00	371.00
Elevation Minimum.....	63.00	207.00
Elevation Average.....	86.00	282.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.25	.98%
Bare.....	.00	-.--%
Water.....	.04	.16%
Herbaceous.....	1.30	5.08%
Forest.....	23.68	92.46%
Agri - Crops.....	.02	.08%
Agri - pasture.....	.32	1.25%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.50	1.95%
Bare.....	.02	.08%
Water.....	.04	.16%
Herbaceous.....	1.61	6.29%
Forest.....	23.06	90.08%
Agri - Crops.....	.02	.08%
Agri - pasture.....	.35	1.37%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.57	2.23%
Bare.....	.01	.04%
Water.....	.01	.04%
Herbaceous.....	1.73	6.76%
Forest.....	23.02	89.92%
Agri - Crops.....	.06	.23%
Agri - pasture.....	.20	.78%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	0.0	-.--	0.00	0.00	0.00	0.00	0.00
Water	0.0	0.00	-.--	1.00	14.85	0.00	1.61
FROM Herb	33.52	4.01	.80	-.--	163.38	.80	64.63
Forest	88.11	2.21	5.22	638.46	-.--	.40	55.60
Agri-Crops	0.0	1.40	0.00	1.81	.40	-.--	1.20
Agri-Pasture	28.90	.40	.20	52.39	19.67	1.00	-.--

**Little Crooked Creek-Crooked Creek
(111402030204)**

Area Summary

Area - Square Miles.....:	29.30
Area - Acres.....:	18973.49

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	95.00	312.00
Elevation Minimum.....:	58.00	190.00
Elevation Average.....:	73.00	239.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.89	2.99%
Bare.....:	.00	-.--%
Water.....:	.06	.20%
Herbaceous.....:	1.82	6.12%
Forest.....:	21.96	73.79%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	5.03	16.90%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.54	5.17%
Bare.....:	.02	.07%
Water.....:	.07	.24%
Herbaceous.....:	2.61	8.77%
Forest.....:	21.44	72.04%
Agri - Crops.....:	.06	.20%
Agri - pasture.....:	4.02	13.51%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.77	5.95%
Bare.....:	.01	.03%
Water.....:	.02	.07%
Herbaceous.....:	4.04	13.58%
Forest.....:	20.98	70.52%
Agri - Crops.....:	.10	.34%
Agri - pasture.....:	2.83	9.51%

Land Use / Land Cover Change from 1999 to 2004

Area in Acres	Change TO						
	Urban	Bare	Water	Herbaceous	Forest	Agri-Crop	Agri-Pasture
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	0.0	-.--	0.00	0.00	0.00	0.00	0.00
Water	1.00	.60	-.--	7.02	13.25	0.00	9.63
FROM Herb	101.16	1.20	.80	-.--	140.90	5.02	230.42
Forest	157.76	1.40	3.41	820.91	-.--	3.81	219.78
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	186.26	1.40	2.21	1028.04	282.00	7.23	-.--

**Hurricane Creek-Horsehead Creek
(111402030202)**

Area Summary

Area - Square Miles.....	40.54
Area - Acres.....	26248.20

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	119.00	390.00
Elevation Minimum.....	58.00	190.00
Elevation Average.....	79.00	259.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.70	1.70%
Bare.....	.01	.02%
Water.....	.08	.19%
Herbaceous.....	2.12	5.13%
Forest.....	36.71	88.91%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	1.67	4.04%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.98	2.37%
Bare.....	.03	.07%
Water.....	.09	.22%
Herbaceous.....	3.31	8.02%
Forest.....	34.50	83.58%
Agri - Crops.....	.10	.24%
Agri - pasture.....	2.27	5.50%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.09	2.64%
Bare.....	.04	.10%
Water.....	.04	.10%
Herbaceous.....	4.21	10.20%
Forest.....	34.24	82.95%
Agri - Crops.....	.18	.44%
Agri - pasture.....	1.48	3.59%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	.40	-.--	0.00	0.00	0.00	0.00	0.00
Water	1.81	.20	-.--	3.41	22.88	0.00	4.82
FROM Herb	16.66	5.22	2.61	-.--	169.40	2.81	234.63
Forest	112.20	4.42	4.62	1841.12	-.--	1.81	280.59
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	55.60	2.01	.60	230.62	131.26	4.62	-.--

**Town of Bussey-Crooked Creek
(111402030203)**

Area Summary

Area - Square Miles.....:	28.97
Area - Acres.....:	18759.69

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	97.00	318.00
Elevation Minimum.....:	69.00	226.00
Elevation Average.....:	80.00	262.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.26	.90%
Bare.....:	.00	-.--%
Water.....:	.02	.07%
Herbaceous.....:	.73	2.54%
Forest.....:	26.43	91.90%
Agri - Crops.....:	.01	.03%
Agri - pasture.....:	1.31	4.55%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.51	1.77%
Bare.....:	.02	.07%
Water.....:	.14	.49%
Herbaceous.....:	1.10	3.82%
Forest.....:	25.78	89.58%
Agri - Crops.....:	.03	.10%
Agri - pasture.....:	1.20	4.17%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.60	2.09%
Bare.....:	.08	.28%
Water.....:	.01	.03%
Herbaceous.....:	2.86	9.94%
Forest.....:	23.97	83.32%
Agri - Crops.....:	.20	.70%
Agri - pasture.....:	1.05	3.65%

Land Use / Land Cover Change from 1999 to 2004

Area in Acres	Change TO						
	Urban	Bare	Water	Herbaceous	Forest	Agri-Crop	Agri-Pasture
FROM Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	0.0	-.--	0.00	0.00	0.00	0.00	0.00
Water	.20	.40	-.--	1.40	7.83	0.00	.60
FROM Herb	6.62	.20	1.20	-.--	105.17	.40	92.33
Forest	52.39	1.00	52.79	540.51	-.--	.80	201.51
Agri-Crops	0.0	1.00	0.00	0.00	1.20	-.--	3.61
Agri-Pasture	48.57	.60	.20	285.61	150.93	1.81	-.--

**Little Cyprus Creek
(111402030205)**

Area Summary

Area - Square Miles.....	35.30
Area - Acres.....	22854.55

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	107.00	351.00
Elevation Minimum.....	63.00	207.00
Elevation Average.....	84.00	276.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.75	2.17%
Bare.....	.00	-.--%
Water.....	.12	.35%
Herbaceous.....	1.83	5.30%
Forest.....	30.90	89.41%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	.96	2.78%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.25	3.62%
Bare.....	.01	.03%
Water.....	.13	.38%
Herbaceous.....	2.09	6.05%
Forest.....	29.62	85.73%
Agri - Crops.....	.02	.06%
Agri - pasture.....	1.43	4.14%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.39	4.02%
Bare.....	.02	.06%
Water.....	.06	.17%
Herbaceous.....	2.93	8.48%
Forest.....	29.32	84.84%
Agri - Crops.....	.08	.23%
Agri - pasture.....	.76	2.20%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	0.0	-.--	0.00	0.00	0.00	0.00	0.00
Water	1.81	0.00	-.--	5.62	20.67	0.00	5.02
FROM Herb	89.32	2.21	2.61	-.--	203.52	1.81	266.34
Forest	193.48	.60	12.04	850.21	-.--	1.20	323.34
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	44.96	0.00	.20	124.44	73.06	4.21	-.--

**Red Rock Branch-Cypress Creek
(111402030207)**

Area Summary

Area - Square Miles.....	6.07
Area - Acres.....	3932.41

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	112.00	367.00
Elevation Minimum.....	62.00	203.00
Elevation Average.....	77.00	253.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.16	2.64%
Bare.....	.00	-.--%
Water.....	.00	-.--%
Herbaceous.....	.48	7.91%
Forest.....	4.99	82.21%
Agri - Crops.....	.01	.16%
Agri - pasture.....	.43	7.08%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.21	3.46%
Bare.....	.00	-.--%
Water.....	.01	.16%
Herbaceous.....	.59	9.72%
Forest.....	4.83	79.57%
Agri - Crops.....	.01	.16%
Agri - pasture.....	.42	6.92%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.21	3.46%
Bare.....	.00	-.--%
Water.....	.00	-.--%
Herbaceous.....	.77	12.69%
Forest.....	4.78	78.75%
Agri - Crops.....	.03	.49%
Agri - pasture.....	.28	4.61%

Land Use / Land Cover Change from 1999 to 2004

<u>Area in Acres</u>	<u>Change TO</u>						
	<u>Urban</u>	<u>Bare</u>	<u>Water</u>	<u>Herbaceous</u>	<u>Forest</u>	<u>Agri-Crop</u>	<u>Agri-Pasture</u>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	0.0	-.--	0.00	0.00	0.00	0.00	0.00
Water	0.0	0.00	-.--	1.81	1.20	0.00	0.00
FROM Herb	3.61	1.20	0.00	-.--	44.36	1.00	49.17
Forest	14.25	.40	0.00	193.28	-.--	1.00	27.50
Agri-Crops	.60	0.00	0.00	0.00	4.62	-.--	0.00
Agri-Pasture	13.65	.20	0.00	66.23	30.31	0.00	-.--