

Watershed Report

Brushy Creek-Ouachita River

0804020202

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)

Brushy Creek-Ouachita River (0804020202)

Area Summary

Area - Square Miles.....	242.82
Area - Acres.....	157217.64

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	80.00	262.00
Elevation Minimum.....	17.00	56.00
Elevation Average.....	31.00	102.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	3.25	1.33%
Bare.....	.05	.02%
Water.....	22.37	9.17%
Herbaceous.....	11.79	4.83%
Forest.....	200.17	82.03%
Agri - Crops.....	.14	.06%
Agri - pasture.....	6.24	2.56%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	4.40	1.80%
Bare.....	.10	.04%
Water.....	23.35	9.57%
Herbaceous.....	18.67	7.65%
Forest.....	188.02	77.07%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	9.43	3.87%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	4.47	1.79%
Bare.....	.05	.02%
Water.....	23.56	9.41%
Herbaceous.....	22.88	9.14%
Forest.....	189.88	75.87%
Agri - Crops.....	.00	-.--%

Agri - pasture.....: 3.14 1.25%

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	.20	-.--	.60	0.00	0.00	0.00	0.00
Water	69.25	2.61	-.--	15.25	568.41	0.00	62.62
FROM Herb	257.31	15.86	235.63	-.--	1442.31	0.00	1433.47
Forest	417.48	18.26	1371.66	5519.14	-.--	0.00	1677.54
Agri-Crops	32.92	1.00	0.00	15.25	20.07	-.--	20.07
Agri-Pasture	95.34	6.02	17.86	557.98	269.15	0.00	-.--

Sub-Watershed Summary (12 Digit HUC)

Lick Creek-Ouachita River (080402020202)

Area Summary

Area - Square Miles.....	36.74
Area - Acres.....	23786.32

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	58.00	190.00
Elevation Minimum.....	18.00	59.00
Elevation Average.....	26.00	85.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.14	.38%
Bare.....	.00	-.--%
Water.....	2.62	7.17%
Herbaceous.....	1.01	2.76%
Forest.....	32.48	88.84%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	.31	.85%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.31	.85%
Bare.....	.01	.03%
Water.....	3.05	8.34%
Herbaceous.....	1.96	5.36%
Forest.....	30.22	82.64%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	1.02	2.79%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.29	.79%
Bare.....	.00	-.--%
Water.....	2.64	7.22%
Herbaceous.....	2.47	6.76%
Forest.....	30.78	84.19%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	.38	1.04%

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	3.61	0.00	-.--	2.61	149.73	0.00	12.85
FROM Herb	15.66	.80	24.89	-.--	91.12	0.00	126.45
Forest	76.27	3.41	394.80	614.78	-.--	0.00	399.61
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	10.04	.60	5.42	54.99	33.12	0.00	-.--

**Lapoile Creek
(080402020203)**

Area Summary

Area - Square Miles.....	18.94
Area - Acres.....	12262.17

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	74.00	243.00
Elevation Minimum.....	21.00	69.00
Elevation Average.....	40.00	131.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.03	.15%
Bare.....	.00	-.--%
Water.....	.02	.10%
Herbaceous.....	1.05	5.39%
Forest.....	18.05	92.66%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	.33	1.69%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.04	.21%
Bare.....	.00	-.--%
Water.....	.02	.10%
Herbaceous.....	1.39	7.14%
Forest.....	17.41	89.42%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	.61	3.13%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.04	.21%
Bare.....	.00	-.--%
Water.....	.02	.10%
Herbaceous.....	2.18	11.19%
Forest.....	17.09	87.73%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	.15	.77%

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	0.0	0.00	-.--	.40	5.02	0.00	1.61
FROM Herb	.20	.40	0.00	-.--	133.87	0.00	170.20
Forest	.40	.80	3.21	339.20	-.--	0.00	101.36
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	0.0	.20	.40	24.69	43.35	0.00	-.--

**Headwaters Brushy Creek
(080402020204)**

Area Summary

Area - Square Miles.....	47.76
Area - Acres.....	30922.38

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	63.00	207.00
Elevation Minimum.....	22.00	72.00
Elevation Average.....	44.00	144.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.22	4.67%
Bare.....	.04	.08%
Water.....	.31	.65%
Herbaceous.....	4.42	9.29%
Forest.....	36.36	76.42%
Agri - Crops.....	.14	.29%
Agri - pasture.....	4.09	8.60%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.70	5.68%
Bare.....	.07	.15%
Water.....	.29	.61%
Herbaceous.....	6.98	14.68%
Forest.....	32.27	67.85%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	5.25	11.04%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.79	5.86%
Bare.....	.04	.08%
Water.....	.33	.69%
Herbaceous.....	8.75	18.39%
Forest.....	33.71	70.85%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	1.96	4.12%

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	.20	-.--	.60	0.00	0.00	0.00	0.00
Water	15.05	1.00	-.--	2.81	27.90	0.00	9.63
FROM Herb	161.97	10.24	13.85	-.--	657.13	0.00	626.42
Forest	191.08	10.64	20.27	2121.31	-.--	0.00	682.22
Agri-Crops	32.92	1.00	0.00	15.25	20.07	-.--	20.07
Agri-Pasture	24.89	2.61	5.22	280.39	124.44	0.00	-.--

**Norwood Branch-Brushy Creek
(080402020205)**

Area Summary

Area - Square Miles.....:	23.57
Area - Acres.....:	15261.77

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	51.00	167.00
Elevation Minimum.....:	20.00	66.00
Elevation Average.....:	25.00	82.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.08	.34%
Bare.....:	.00	-.--%
Water.....:	1.07	4.51%
Herbaceous.....:	1.16	4.89%
Forest.....:	21.09	88.84%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	.34	1.43%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.09	.38%
Bare.....:	.00	-.--%
Water.....:	1.16	4.89%
Herbaceous.....:	2.37	9.99%
Forest.....:	19.40	81.75%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	.71	2.99%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.09	.38%
Bare.....:	.00	-.--%
Water.....:	1.90	8.01%
Herbaceous.....:	3.06	12.90%
Forest.....:	18.50	77.96%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	.18	.76%

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>
FROM Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	0.0	-.--	0.00	0.00	0.00	0.00	0.00
Water	0.0	1.00	-.--	3.81	53.19	0.00	11.24
FROM Herb	.40	.80	5.42	-.--	105.77	0.00	135.48
Forest	6.62	.60	123.84	881.72	-.--	0.00	133.87
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	3.01	.60	1.00	38.34	13.25	0.00	-.--

**Lapile Creek-Ouachita River
(080402020206)**

Area Summary

Area - Square Miles.....:	70.86
Area - Acres.....:	45881.83

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	53.00	174.00
Elevation Minimum.....:	17.00	56.00
Elevation Average.....:	24.00	79.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.64	.90%
Bare.....:	.01	.01%
Water.....:	17.99	25.40%
Herbaceous.....:	2.24	3.16%
Forest.....:	49.25	69.54%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	.69	.97%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.06	1.50%
Bare.....:	.02	.03%
Water.....:	18.36	25.92%
Herbaceous.....:	2.52	3.56%
Forest.....:	48.00	67.78%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	.86	1.21%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.07	1.51%
Bare.....:	.01	.01%
Water.....:	17.80	25.14%
Herbaceous.....:	2.81	3.97%
Forest.....:	48.92	69.09%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	.20	.28%

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	50.38	.60	-.--	2.61	292.64	0.00	22.68
FROM Herb	73.86	2.81	188.27	-.--	243.66	0.00	143.31
Forest	134.07	1.81	761.70	516.83	-.--	0.00	129.26
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	48.17	1.81	5.62	41.75	27.90	0.00	-.--

**Caney Bayou
(080402020201)**

Area Summary

Area - Square Miles.....	44.95
Area - Acres.....	29103.17

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	80.00	262.00
Elevation Minimum.....	19.00	62.00
Elevation Average.....	34.00	112.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.14	.31%
Bare.....	.00	-.--%
Water.....	.36	.79%
Herbaceous.....	1.91	4.17%
Forest.....	42.94	93.69%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	.48	1.05%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.20	.44%
Bare.....	.00	-.--%
Water.....	.47	1.03%
Herbaceous.....	3.45	7.53%
Forest.....	40.72	88.87%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	.98	2.14%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.19	.41%
Bare.....	.00	-.--%
Water.....	.87	1.90%
Herbaceous.....	3.61	7.88%
Forest.....	40.88	89.22%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	.27	.59%

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	.20	0.00	-.--	3.01	39.94	0.00	4.62
FROM Herb	5.22	.80	3.21	-.--	210.75	0.00	231.62
Forest	9.03	1.00	67.84	1045.30	-.--	0.00	231.22
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	9.23	.20	.20	117.82	27.10	0.00	-.--