

Watershed Report

Lower Cadron Creek

1111020502

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)

Lower Cadron Creek (1111020502)

Area Summary

Area - Square Miles.....	117.26
Area - Acres.....	75921.98

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	231.00	758.00
Elevation Minimum.....	73.00	239.00
Elevation Average.....	126.00	413.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.50	2.10%
Bare.....	.00	--%
Water.....	2.62	2.20%
Herbaceous.....	1.11	.93%
Forest.....	62.67	52.66%
Agri - Crops.....	2.75	2.31%
Agri - pasture.....	47.37	39.80%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	8.47	7.12%
Bare.....	.04	.03%
Water.....	3.38	2.84%
Herbaceous.....	4.39	3.69%
Forest.....	59.69	50.16%
Agri - Crops.....	2.23	1.87%
Agri - pasture.....	40.80	34.29%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	9.72	7.51%
Bare.....	.20	.15%
Water.....	2.35	1.82%
Herbaceous.....	12.66	9.78%
Forest.....	61.02	47.13%
Agri - Crops.....	2.72	2.10%

Agri - pasture.....: 30.39 23.47%

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	1.40	-.--	0.00	0.00	0.00	.20	.40
Water	22.48	.80	-.--	15.45	76.27	31.11	51.58
FROM Herb	65.83	.40	39.74	-.--	146.12	45.96	135.68
Forest	1937.06	1.20	534.49	1290.97	-.--	179.64	2319.21
Agri-Crops	210.95	0.00	102.56	28.90	244.47	-.--	124.84
Agri-Pasture	2110.87	.20	75.47	2230.90	1773.48	193.69	-.--

Sub-Watershed Summary (12 Digit HUC)

Greenbrier Creek (111102050203)

Area Summary

Area - Square Miles.....	26.39
Area - Acres.....	17088.57

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	201.00	659.00
Elevation Minimum.....	75.00	246.00
Elevation Average.....	113.00	371.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.25	4.63%
Bare.....	.00	-.--%
Water.....	.09	.33%
Herbaceous.....	.29	1.07%
Forest.....	11.90	44.04%
Agri - Crops.....	.40	1.48%
Agri - pasture.....	13.09	48.45%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	4.68	17.31%
Bare.....	.01	.04%
Water.....	.37	1.37%
Herbaceous.....	1.04	3.85%
Forest.....	10.83	40.07%
Agri - Crops.....	.16	.59%
Agri - pasture.....	9.94	36.77%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	5.01	18.53%
Bare.....	.04	.15%
Water.....	.19	.70%
Herbaceous.....	2.94	10.88%
Forest.....	10.72	39.66%
Agri - Crops.....	.32	1.18%
Agri - pasture.....	7.81	28.89%

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	7.02	0.00	-.--	.20	6.42	1.20	7.63
FROM Herb	34.32	.20	7.63	-.--	19.27	0.00	38.54
Forest	1017.20	.40	185.06	263.73	-.--	14.65	479.10
Agri-Crops	116.81	0.00	7.43	10.44	52.79	-.--	55.60
Agri-Pasture	1442.11	0.00	19.87	449.99	524.46	69.04	-.--

**Upper Cypress Creek-Cadron Creek
(111102050201)**

Area Summary

Area - Square Miles.....	36.48
Area - Acres.....	23620.38

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	231.00	758.00
Elevation Minimum.....	84.00	276.00
Elevation Average.....	164.00	538.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.29	.80%
Bare.....	.00	-.--%
Water.....	1.69	4.66%
Herbaceous.....	.16	.44%
Forest.....	19.76	54.48%
Agri - Crops.....	.01	.03%
Agri - pasture.....	14.36	39.59%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.42	1.16%
Bare.....	.01	.03%
Water.....	1.86	5.13%
Herbaceous.....	1.46	4.03%
Forest.....	19.86	54.77%
Agri - Crops.....	.01	.03%
Agri - pasture.....	12.64	34.86%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.71	1.96%
Bare.....	.05	.14%
Water.....	1.48	4.08%
Herbaceous.....	5.14	14.17%
Forest.....	20.01	55.15%
Agri - Crops.....	.16	.44%
Agri - pasture.....	8.73	24.06%

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	.40	-.--	3.61	10.44	0.00	11.24
FROM Herb	.40	0.00	9.03	-.--	52.18	0.00	27.50
Forest	6.62	.40	115.81	301.47	-.--	.40	622.40
Agri-Crops	0.0	0.00	1.00	0.00	1.00	-.--	.80
Agri-Pasture	15.25	.20	17.66	948.56	650.10	2.81	-.--

**Outlet Cadron Creek
(111102050204)**

Area Summary

Area - Square Miles.....	27.44
Area - Acres.....	17764.42

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	168.00	551.00
Elevation Minimum.....	73.00	239.00
Elevation Average.....	102.00	335.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.60	2.17%
Bare.....	.00	-.--%
Water.....	.74	2.68%
Herbaceous.....	.52	1.88%
Forest.....	16.52	59.77%
Agri - Crops.....	2.14	7.74%
Agri - pasture.....	7.12	25.76%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.86	10.35%
Bare.....	.01	.04%
Water.....	.97	3.51%
Herbaceous.....	1.01	3.66%
Forest.....	14.70	53.22%
Agri - Crops.....	2.03	7.35%
Agri - pasture.....	6.04	21.87%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	3.24	11.73%
Bare.....	.05	.18%
Water.....	.58	2.10%
Herbaceous.....	2.23	8.07%
Forest.....	15.29	55.34%
Agri - Crops.....	1.98	7.17%
Agri - pasture.....	4.26	15.42%

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	1.40	-.--	0.00	0.00	0.00	.20	.40
Water	15.45	.40	-.--	8.43	46.77	29.71	19.47
FROM Herb	30.31	.20	22.68	-.--	45.96	45.96	39.74
Forest	911.23	.20	209.14	373.52	-.--	164.38	546.33
Agri-Crops	94.13	0.00	73.26	18.26	121.03	-.--	40.74
Agri-Pasture	644.88	0.00	27.90	287.02	238.04	117.21	-.--

**Lower Cypress Creek
(111102050202)**

Area Summary

Area - Square Miles.....	26.95
Area - Acres.....	17448.61

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	219.00	718.00
Elevation Minimum.....	79.00	259.00
Elevation Average.....	113.00	371.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.36	1.28%
Bare.....	.00	-.--%
Water.....	.10	.36%
Herbaceous.....	.14	.50%
Forest.....	14.49	51.58%
Agri - Crops.....	.20	.71%
Agri - pasture.....	12.80	45.57%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.51	1.82%
Bare.....	.01	.04%
Water.....	.18	.64%
Herbaceous.....	.88	3.13%
Forest.....	14.30	50.91%
Agri - Crops.....	.03	.11%
Agri - pasture.....	12.18	43.36%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.76	2.70%
Bare.....	.06	.21%
Water.....	.10	.36%
Herbaceous.....	2.35	8.36%
Forest.....	15.00	53.34%
Agri - Crops.....	.26	.92%
Agri - pasture.....	9.59	34.10%

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	0.0	0.00	-.--	3.21	12.64	.20	13.25
FROM Herb	.80	0.00	.40	-.--	28.70	0.00	29.91
Forest	2.01	.20	24.49	352.25	-.--	.20	671.38
Agri-Crops	0.0	0.00	20.87	.20	69.65	-.--	27.70
Agri-Pasture	8.63	0.00	10.04	545.33	360.88	4.62	-.--