

Watershed Report

Little Fourche Creek-Fourche Creek

1111020702

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)

Little Fourche Creek-Fourche Creek (1111020702)

Area Summary

Area - Square Miles.....	170.12
Area - Acres.....	110149.01

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	297.00	974.00
Elevation Minimum.....	57.00	187.00
Elevation Average.....	118.00	387.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	44.98	26.48%
Bare.....	1.19	.70%
Water.....	2.65	1.56%
Herbaceous.....	3.59	2.11%
Forest.....	99.29	58.45%
Agri - Crops.....	.60	.35%
Agri - pasture.....	17.56	10.34%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	55.58	32.72%
Bare.....	2.05	1.21%
Water.....	2.25	1.32%
Herbaceous.....	1.89	1.11%
Forest.....	90.51	53.29%
Agri - Crops.....	.24	.14%
Agri - pasture.....	17.33	10.20%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	60.24	34.38%
Bare.....	1.38	.79%
Water.....	2.33	1.33%
Herbaceous.....	6.26	3.57%
Forest.....	86.69	49.47%
Agri - Crops.....	1.01	.58%

Agri - pasture.....: 11.95 6.82%

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	79.88	-.--	3.01	.40	2.61	.40	34.72
Water	213.56	99.95	-.--	3.21	282.20	1.00	120.43
FROM Herb	713.33	183.05	41.35	-.--	468.66	7.43	756.68
Forest	9447.65	368.50	270.96	130.66	-.--	22.08	2041.03
Agri-Crops	139.49	15.25	2.01	4.42	57.60	-.--	80.48
Agri-Pasture	1769.87	94.33	26.90	163.98	671.18	25.09	-.--

Sub-Watershed Summary (12 Digit HUC)

McHenry Creek-Fourche Creek (111102070202)

Area Summary

Area - Square Miles.....	54.82
Area - Acres.....	35497.77

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	223.00	731.00
Elevation Minimum.....	72.00	236.00
Elevation Average.....	116.00	380.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	10.48	19.30%
Bare.....	.25	.46%
Water.....	.57	1.05%
Herbaceous.....	.98	1.80%
Forest.....	36.35	66.94%
Agri - Crops.....	.23	.42%
Agri - pasture.....	5.44	10.02%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	14.19	26.14%
Bare.....	.57	1.05%
Water.....	.51	.94%
Herbaceous.....	.59	1.09%
Forest.....	32.83	60.47%
Agri - Crops.....	.06	.11%
Agri - pasture.....	5.54	10.20%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	15.61	28.75%
Bare.....	.31	.57%
Water.....	.58	1.07%
Herbaceous.....	1.99	3.66%
Forest.....	31.34	57.72%
Agri - Crops.....	.32	.59%
Agri - pasture.....	4.15	7.64%

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	10.64	-.--	0.00	0.00	0.00	0.00	12.04
Water	27.10	15.25	-.--	2.41	66.23	0.00	21.48
FROM Herb	183.45	15.45	1.20	-.--	143.51	.20	260.72
Forest	3206.75	185.06	35.33	40.34	-.--	14.45	755.68
Agri-Crops	56.40	11.04	1.61	2.41	18.06	-.--	36.73
Agri-Pasture	545.53	35.53	5.62	66.84	244.06	4.82	-.--

**Coleman Creek-Maumelle River
(111102070204)**

Area Summary

Area - Square Miles.....	50.67
Area - Acres.....	32806.46

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	297.00	974.00
Elevation Minimum.....	70.00	230.00
Elevation Average.....	112.00	367.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	25.94	51.77%
Bare.....	.72	1.44%
Water.....	1.24	2.47%
Herbaceous.....	1.12	2.24%
Forest.....	16.48	32.89%
Agri - Crops.....	.12	.24%
Agri - pasture.....	4.49	8.96%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	28.84	57.55%
Bare.....	1.02	2.04%
Water.....	.93	1.86%
Herbaceous.....	.55	1.10%
Forest.....	14.27	28.48%
Agri - Crops.....	.06	.12%
Agri - pasture.....	4.44	8.86%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	30.44	60.75%
Bare.....	.83	1.66%
Water.....	.98	1.96%
Herbaceous.....	1.16	2.31%
Forest.....	13.75	27.44%
Agri - Crops.....	.21	.42%
Agri - pasture.....	2.74	5.47%

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	49.37	-.--	2.61	.40	1.81	.20	16.46
Water	139.29	68.84	-.--	.60	90.52	.40	51.38
FROM Herb	256.91	136.08	28.70	-.--	111.60	.60	109.59
Forest	3471.69	84.70	89.52	7.43	-.--	1.81	339.00
Agri-Crops	17.86	.80	.20	1.61	9.63	-.--	12.24
Agri-Pasture	333.98	19.87	5.22	.20	43.55	.40	-.--

**Owner Creek-Fourche Creek
(111102070201)**

Area Summary

Area - Square Miles.....:	43.91
Area - Acres.....:	28431.41

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	224.00	735.00
Elevation Minimum.....:	85.00	279.00
Elevation Average.....:	138.00	453.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	3.73	8.48%
Bare.....:	.06	.14%
Water.....:	.36	.82%
Herbaceous.....:	.71	1.61%
Forest.....:	33.23	75.54%
Agri - Crops.....:	.17	.39%
Agri - pasture.....:	5.73	13.03%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	6.55	14.89%
Bare.....:	.18	.41%
Water.....:	.37	.84%
Herbaceous.....:	.45	1.02%
Forest.....:	31.00	70.49%
Agri - Crops.....:	.04	.09%
Agri - pasture.....:	5.39	12.26%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	7.43	16.89%
Bare.....:	.10	.23%
Water.....:	.34	.77%
Herbaceous.....:	1.94	4.41%
Forest.....:	30.01	68.22%
Agri - Crops.....:	.24	.55%
Agri - pasture.....:	3.93	8.93%

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	6.62	-.--	0.00	0.00	.60	0.00	3.21
Water	15.86	5.82	-.--	0.00	51.78	0.00	16.86
FROM Herb	127.05	4.01	1.81	-.--	89.92	.40	206.93
Forest	1512.35	64.43	42.15	78.48	-.--	3.41	730.59
Agri-Crops	52.59	2.41	0.00	.40	25.89	-.--	23.08
Agri-Pasture	676.60	21.28	9.23	87.71	286.01	7.43	-.--

**Little Fourche Creek
(111102070203)**

Area Summary

Area - Square Miles.....	20.72
Area - Acres.....	13413.37

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	153.00	502.00
Elevation Minimum.....	57.00	187.00
Elevation Average.....	92.00	302.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	4.83	22.51%
Bare.....	.16	.75%
Water.....	.48	2.24%
Herbaceous.....	.78	3.63%
Forest.....	13.23	61.65%
Agri - Crops.....	.08	.37%
Agri - pasture.....	1.90	8.85%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	6.00	27.95%
Bare.....	.28	1.30%
Water.....	.44	2.05%
Herbaceous.....	.30	1.40%
Forest.....	12.41	57.80%
Agri - Crops.....	.08	.37%
Agri - pasture.....	1.96	9.13%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	6.76	31.50%
Bare.....	.14	.65%
Water.....	.43	2.00%
Herbaceous.....	1.17	5.45%
Forest.....	11.59	54.01%
Agri - Crops.....	.24	1.12%
Agri - pasture.....	1.13	5.27%

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	13.25	-.--	.40	0.00	.20	.20	3.01
Water	31.31	10.04	-.--	.20	73.66	.60	30.71
FROM Herb	145.92	27.50	9.63	-.--	123.64	6.22	179.44
Forest	1256.85	34.32	103.97	4.42	-.--	2.41	215.76
Agri-Crops	12.64	1.00	.20	0.00	4.01	-.--	8.43
Agri-Pasture	213.76	17.66	6.82	9.23	97.55	12.44	-.--