

Watershed Report

Hicks Creek-White River

1101000402

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)

Hicks Creek-White River (1101000402)

Area Summary

Area - Square Miles.....	205.00
Area - Acres.....	132730.78

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	422.00	1384.00
Elevation Minimum.....	90.00	295.00
Elevation Average.....	203.00	666.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	7.10	3.46%
Bare.....	.07	.03%
Water.....	3.94	1.92%
Herbaceous.....	.53	.26%
Forest.....	151.34	73.71%
Agri - Crops.....	.01	.00%
Agri - pasture.....	42.33	20.62%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	13.88	6.76%
Bare.....	.14	.07%
Water.....	3.41	1.66%
Herbaceous.....	2.45	1.19%
Forest.....	144.79	70.52%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	40.64	19.79%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	15.29	6.88%
Bare.....	.28	.13%
Water.....	4.07	1.83%
Herbaceous.....	15.34	6.90%
Forest.....	146.59	65.92%
Agri - Crops.....	.16	.07%

Agri - pasture.....: 23.58 10.60%

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	16.86	-.--	0.00	0.00	2.61	0.00	5.42
Water	22.28	.40	-.--	0.00	182.45	0.00	89.92
FROM Herb	122.23	.80	1.61	-.--	55.60	0.00	151.74
Forest	2564.48	13.45	180.84	50.38	-.--	0.00	3912.25
Agri-Crops	4.01	.20	0.00	0.00	.20	-.--	1.81
Agri-Pasture	1897.32	26.49	38.94	222.19	1045.50	0.00	-.--

Sub-Watershed Summary (12 Digit HUC)

Hicks Creek (110100040201)

Area Summary

Area - Square Miles.....	40.43
Area - Acres.....	26175.22

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	347.00	1138.00
Elevation Minimum.....	115.00	377.00
Elevation Average.....	229.00	751.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	5.46	13.44%
Bare.....	.06	.15%
Water.....	.04	.10%
Herbaceous.....	.20	.49%
Forest.....	20.53	50.52%
Agri - Crops.....	.01	.02%
Agri - pasture.....	14.34	35.29%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	8.82	21.71%
Bare.....	.08	.20%
Water.....	.04	.10%
Herbaceous.....	.89	2.19%
Forest.....	18.68	45.98%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	12.12	29.83%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	9.45	23.25%
Bare.....	.15	.37%
Water.....	.09	.22%
Herbaceous.....	5.05	12.43%
Forest.....	19.53	48.06%
Agri - Crops.....	.03	.07%
Agri - pasture.....	6.34	15.60%

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	16.46	-.--	0.00	0.00	1.00	0.00	3.01
Water	3.21	0.00	-.--	0.00	7.23	0.00	4.42
FROM Herb	78.48	.40	0.00	-.--	14.05	0.00	32.92
Forest	1096.68	4.42	3.01	13.25	-.--	0.00	842.38
Agri-Crops	4.01	0.00	0.00	0.00	0.00	-.--	.80
Agri-Pasture	1195.03	14.05	1.20	79.68	318.13	0.00	-.--

**Sneeds Creek-White River
(110100040205)**

Area Summary

Area - Square Miles.....	40.96
Area - Acres.....	26522.04

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	421.00	1381.00
Elevation Minimum.....	95.00	312.00
Elevation Average.....	199.00	653.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.19	.47%
Bare.....	.00	-.--%
Water.....	1.10	2.70%
Herbaceous.....	.03	.07%
Forest.....	34.39	84.50%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	4.99	12.26%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.78	1.92%
Bare.....	.00	-.--%
Water.....	.97	2.38%
Herbaceous.....	.25	.61%
Forest.....	33.52	82.34%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	5.19	12.75%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.94	2.31%
Bare.....	.01	.02%
Water.....	1.14	2.80%
Herbaceous.....	1.67	4.10%
Forest.....	33.85	83.15%
Agri - Crops.....	.03	.07%
Agri - pasture.....	3.07	7.54%

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	.40	-.--	0.00	0.00	0.00	0.00	.40
Water	0.0	0.00	-.--	0.00	39.94	0.00	17.86
FROM Herb	4.42	0.00	.60	-.--	4.62	0.00	10.44
Forest	253.30	1.00	45.36	6.22	-.--	0.00	574.63
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	134.48	.80	8.03	21.28	134.07	0.00	-.--

**Perry Creek-White River
(110100040202)**

Area Summary

Area - Square Miles.....	33.87
Area - Acres.....	21928.40

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	407.00	1335.00
Elevation Minimum.....	106.00	348.00
Elevation Average.....	208.00	682.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.15	.44%
Bare.....	.00	-.--%
Water.....	.67	1.97%
Herbaceous.....	.04	.12%
Forest.....	27.05	79.63%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	6.06	17.84%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.34	1.00%
Bare.....	.01	.03%
Water.....	.62	1.83%
Herbaceous.....	.51	1.50%
Forest.....	26.39	77.69%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	6.10	17.96%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.49	1.44%
Bare.....	.03	.09%
Water.....	.78	2.30%
Herbaceous.....	2.96	8.71%
Forest.....	26.50	77.99%
Agri - Crops.....	.01	.03%
Agri - pasture.....	3.21	9.45%

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	1.00	0.00	.80
Water	0.0	.40	-.--	0.00	18.06	0.00	20.87
FROM Herb	.60	0.00	.80	-.--	5.62	0.00	20.07
Forest	31.71	1.40	52.99	9.63	-.--	0.00	609.76
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	29.71	3.61	12.85	50.58	196.90	0.00	-.--

**Moccasin Creek-White River
(110100040204)**

Area Summary

Area - Square Miles.....	24.14
Area - Acres.....	15631.89

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	309.00	1014.00
Elevation Minimum.....	100.00	328.00
Elevation Average.....	206.00	676.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.17	.70%
Bare.....	.00	-.--%
Water.....	.01	.04%
Herbaceous.....	.03	.12%
Forest.....	17.95	73.96%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	6.11	25.18%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.30	1.24%
Bare.....	.02	.08%
Water.....	.01	.04%
Herbaceous.....	.30	1.24%
Forest.....	17.20	70.87%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	6.44	26.53%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.49	2.02%
Bare.....	.03	.12%
Water.....	.03	.12%
Herbaceous.....	2.06	8.49%
Forest.....	17.59	72.51%
Agri - Crops.....	.03	.12%
Agri - pasture.....	4.03	16.61%

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	-.--	0.00	4.62	0.00	.60
FROM Herb	1.40	.20	0.00	-.--	6.02	0.00	11.04
Forest	18.26	4.82	0.00	4.42	-.--	0.00	745.64
Agri-Crops	0.0	0.00	0.00	0.00	.20	-.--	0.00
Agri-Pasture	28.70	3.81	0.00	26.49	178.83	0.00	-.--

**Sugarloaf Creek-White River
(110100040206)**

Area Summary

Area - Square Miles.....	42.98
Area - Acres.....	27829.63

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	359.00	1178.00
Elevation Minimum.....	90.00	295.00
Elevation Average.....	178.00	584.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.73	1.69%
Bare.....	.01	.02%
Water.....	1.15	2.66%
Herbaceous.....	.18	.42%
Forest.....	33.73	78.01%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	7.44	17.21%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.22	5.14%
Bare.....	.02	.05%
Water.....	.95	2.20%
Herbaceous.....	.31	.72%
Forest.....	32.04	74.12%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	7.69	17.79%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.44	5.64%
Bare.....	.05	.12%
Water.....	1.08	2.50%
Herbaceous.....	2.43	5.62%
Forest.....	31.90	73.79%
Agri - Crops.....	.06	.14%
Agri - pasture.....	5.27	12.19%

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	.20	0.00	1.20
Water	3.41	0.00	-.--	0.00	75.07	0.00	26.49
FROM Herb	23.48	0.00	.20	-.--	18.67	0.00	67.04
Forest	689.04	1.40	28.50	14.85	-.--	0.00	876.50
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	312.71	2.41	11.04	29.91	139.49	0.00	-.--

**Farris Creek-White River
(110100040203)**

Area Summary

Area - Square Miles.....:	22.62
Area - Acres.....:	14643.60

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	422.00	1384.00
Elevation Minimum.....:	108.00	354.00
Elevation Average.....:	200.00	656.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.40	1.78%
Bare.....:	.00	-.--%
Water.....:	.97	4.31%
Herbaceous.....:	.05	.22%
Forest.....:	17.69	78.62%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	3.39	15.07%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.42	6.31%
Bare.....:	.01	.04%
Water.....:	.82	3.64%
Herbaceous.....:	.19	.84%
Forest.....:	16.96	75.38%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	3.10	13.78%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.48	6.58%
Bare.....:	.01	.04%
Water.....:	.95	4.22%
Herbaceous.....:	1.17	5.20%
Forest.....:	17.22	76.57%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	1.66	7.38%

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	.40	0.00	0.00
Water	15.66	0.00	-.--	0.00	37.53	0.00	19.67
FROM Herb	13.85	.20	0.00	-.--	6.62	0.00	10.24
Forest	475.48	.40	50.98	2.01	-.--	0.00	263.33
Agri-Crops	0.0	.20	0.00	0.00	0.00	-.--	1.00
Agri-Pasture	196.70	1.81	5.82	14.25	78.08	0.00	-.--