

Watershed Report

Trace River-Saline River

0804020307

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)

Trace River-Saline River (0804020307)

Area Summary

Area - Square Miles.....	180.36
Area - Acres.....	116785.15

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	195.00	640.00
Elevation Minimum.....	57.00	187.00
Elevation Average.....	101.00	331.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	11.25	6.24%
Bare.....	.15	.08%
Water.....	2.32	1.29%
Herbaceous.....	6.18	3.43%
Forest.....	140.63	78.02%
Agri - Crops.....	.17	.09%
Agri - pasture.....	19.54	10.84%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	20.38	11.31%
Bare.....	.36	.20%
Water.....	2.88	1.60%
Herbaceous.....	4.06	2.25%
Forest.....	129.32	71.74%
Agri - Crops.....	.22	.12%
Agri - pasture.....	23.03	12.78%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	24.49	13.14%
Bare.....	.28	.15%
Water.....	1.80	.97%
Herbaceous.....	10.44	5.60%
Forest.....	125.44	67.29%
Agri - Crops.....	.93	.50%

Agri - pasture.....: 16.83 9.03%

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	18.06	-.--	3.81	0.00	5.02	4.42	24.69
Water	68.24	23.48	-.--	10.64	250.89	3.21	76.87
FROM Herb	1004.56	49.37	79.68	-.--	847.80	9.43	1650.24
Forest	4778.92	103.37	323.55	1698.01	-.--	21.07	3404.05
Agri-Crops	22.28	0.00	24.29	0.00	26.29	-.--	27.70
Agri-Pasture	1645.43	29.91	88.91	450.19	800.63	25.89	-.--

Sub-Watershed Summary (12 Digit HUC)

Trace Creek-Saline River (080402030703)

Area Summary

Area - Square Miles.....	54.52
Area - Acres.....	35303.00

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	176.00	577.00
Elevation Minimum.....	69.00	226.00
Elevation Average.....	94.00	308.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.98	3.67%
Bare.....	.01	.02%
Water.....	.57	1.06%
Herbaceous.....	2.65	4.91%
Forest.....	41.96	77.79%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	6.77	12.55%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	6.34	11.75%
Bare.....	.03	.06%
Water.....	.71	1.32%
Herbaceous.....	1.13	2.09%
Forest.....	38.14	70.70%
Agri - Crops.....	.05	.09%
Agri - pasture.....	7.55	13.99%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	8.17	15.15%
Bare.....	.06	.11%
Water.....	.40	.74%
Herbaceous.....	2.72	5.04%
Forest.....	36.84	68.31%
Agri - Crops.....	.17	.32%
Agri - pasture.....	5.57	10.33%

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	3.61	-.--	.40	0.00	.40	0.00	.80
Water	21.68	1.00	-.--	7.83	65.43	2.41	32.92
FROM Herb	570.22	4.01	21.48	-.--	281.40	6.22	680.41
Forest	1896.51	7.43	97.14	531.08	-.--	4.01	1043.09
Agri-Crops	.40	0.00	0.00	0.00	1.00	-.--	.80
Agri-Pasture	892.16	1.81	21.88	99.15	289.83	7.23	-.--

**Depot Creek-Saline River
(080402030702)**

Area Summary

Area - Square Miles.....	42.37
Area - Acres.....	27435.53

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	177.00	581.00
Elevation Minimum.....	72.00	236.00
Elevation Average.....	106.00	348.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	8.24	19.00%
Bare.....	.14	.32%
Water.....	1.22	2.81%
Herbaceous.....	1.76	4.06%
Forest.....	25.76	59.41%
Agri - Crops.....	.17	.39%
Agri - pasture.....	6.07	14.00%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	12.13	27.98%
Bare.....	.20	.46%
Water.....	1.39	3.21%
Herbaceous.....	.63	1.45%
Forest.....	22.77	52.51%
Agri - Crops.....	.10	.23%
Agri - pasture.....	6.14	14.16%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	14.17	32.68%
Bare.....	.16	.37%
Water.....	1.03	2.38%
Herbaceous.....	1.71	3.94%
Forest.....	21.90	50.51%
Agri - Crops.....	.39	.90%
Agri - pasture.....	4.00	9.23%

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	14.05	-.--	3.41	0.00	4.62	4.42	23.88
Water	45.36	17.86	-.--	.60	90.92	.80	27.10
FROM Herb	341.61	15.86	56.20	-.--	246.67	3.01	421.49
Forest	2496.04	45.96	140.30	97.55	-.--	12.24	763.10
Agri-Crops	21.88	0.00	24.29	0.00	25.09	-.--	26.90
Agri-Pasture	651.31	15.45	63.42	55.60	244.67	11.84	-.--

**Jordan Creek-Saline Rive
(080402030704)**

Area Summary

Area - Square Miles.....	51.28
Area - Acres.....	33205.95

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	149.00	489.00
Elevation Minimum.....	57.00	187.00
Elevation Average.....	88.00	289.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.67	1.32%
Bare.....	.00	-.--%
Water.....	.27	.53%
Herbaceous.....	1.68	3.30%
Forest.....	44.54	87.44%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	3.78	7.42%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.27	2.49%
Bare.....	.12	.24%
Water.....	.42	.82%
Herbaceous.....	1.94	3.81%
Forest.....	41.13	80.74%
Agri - Crops.....	.06	.12%
Agri - pasture.....	6.00	11.78%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.34	2.63%
Bare.....	.03	.06%
Water.....	.26	.51%
Herbaceous.....	4.34	8.52%
Forest.....	39.75	78.05%
Agri - Crops.....	.33	.65%
Agri - pasture.....	4.88	9.58%

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	0.00
Water	1.00	4.62	-.--	2.21	57.40	0.00	9.23
FROM Herb	92.73	29.50	2.01	-.--	298.46	.20	512.61
Forest	256.51	45.56	36.53	853.22	-.--	2.21	1166.93
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	82.29	12.24	1.00	286.41	135.88	5.62	-.--

**Moccasin Creek-Saline River
(080402030701)**

Area Summary

Area - Square Miles.....	32.19
Area - Acres.....	20840.67

Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	195.00	640.00
Elevation Minimum.....	84.00	276.00
Elevation Average.....	126.00	413.00

Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.36	1.13%
Bare.....	.00	-.--%
Water.....	.26	.81%
Herbaceous.....	.09	.28%
Forest.....	28.37	88.66%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	2.92	9.13%

Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.64	2.00%
Bare.....	.01	.03%
Water.....	.36	1.13%
Herbaceous.....	.36	1.13%
Forest.....	27.28	85.25%
Agri - Crops.....	.01	.03%
Agri - pasture.....	3.34	10.44%

Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.81	2.53%
Bare.....	.03	.09%
Water.....	.11	.34%
Herbaceous.....	1.67	5.22%
Forest.....	26.95	84.25%
Agri - Crops.....	.04	.13%
Agri - pasture.....	2.38	7.44%

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	0.00	-.--	0.00	37.13	0.00	7.63
FROM Herb	0.0	0.00	0.00	-.--	21.28	0.00	35.73
Forest	129.86	4.42	49.58	216.17	-.--	2.61	430.93
Agri-Crops	0.0	0.00	0.00	0.00	.20	-.--	0.00
Agri-Pasture	19.67	.40	2.61	9.03	130.26	1.20	-.--