

# Watershed Report

## Dry Creek-Saline River

### 0804020308

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)

### *Dry Creek-Saline River (0804020308)*

#### **Area Summary**

Area - Square Miles.....	284.57
Area - Acres.....	184256.49

#### **Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	165.00	541.00
Elevation Minimum.....	48.00	157.00
Elevation Average.....	82.00	269.00

#### **Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	2.36	.83%
Bare.....	.06	.02%
Water.....	1.60	.56%
Herbaceous.....	8.17	2.87%
Forest.....	252.74	88.72%
Agri - Crops.....	.36	.13%
Agri - pasture.....	19.58	6.87%

#### **Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	4.00	1.40%
Bare.....	.70	.25%
Water.....	2.31	.81%
Herbaceous.....	12.40	4.35%
Forest.....	234.89	82.44%
Agri - Crops.....	.70	.25%
Agri - pasture.....	29.92	10.50%

#### **Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	4.30	1.46%
Bare.....	.28	.10%
Water.....	2.59	.88%
Herbaceous.....	31.33	10.66%
Forest.....	222.92	75.86%
Agri - Crops.....	2.52	.86%

Agri - pasture.....: 20.95 7.13%

**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	.20	-.--	.40	0.00	.60	.80	3.01
Water	14.25	50.78	-.--	13.85	145.52	2.41	91.72
FROM Herb	187.06	169.60	22.08	-.--	1577.79	16.86	2269.63
Forest	403.83	204.12	161.57	5621.50	-.--	12.64	5909.92
Agri-Crops	28.30	5.62	.20	9.83	81.69	-.--	50.98
Agri-Pasture	179.03	57.20	17.66	1480.64	842.98	22.68	-.--

# Sub-Watershed Summary (12 Digit HUC)

## Graves Creek-Dry Lost Creek (080402030801)

### Area Summary

Area - Square Miles.....	46.26
Area - Acres.....	29952.39

### Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	165.00	541.00
Elevation Minimum.....	69.00	226.00
Elevation Average.....	98.00	321.00

### Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.20	.43%
Bare.....	.02	.04%
Water.....	.34	.74%
Herbaceous.....	1.68	3.64%
Forest.....	43.02	93.10%
Agri - Crops.....	.16	.35%
Agri - pasture.....	.79	1.71%

### Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.56	1.21%
Bare.....	.21	.45%
Water.....	.32	.69%
Herbaceous.....	2.21	4.78%
Forest.....	39.17	84.78%
Agri - Crops.....	.14	.30%
Agri - pasture.....	3.59	7.77%

### Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.68	1.47%
Bare.....	.05	.11%
Water.....	.34	.74%
Herbaceous.....	6.13	13.27%
Forest.....	36.49	78.97%
Agri - Crops.....	.59	1.28%
Agri - pasture.....	1.93	4.18%

### 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	.20	-.--	0.00	0.00	.40	.80	2.21
Water	7.83	8.03	-.--	.20	20.07	1.40	19.27
FROM Herb	77.07	51.38	8.43	-.--	365.09	12.04	418.48
Forest	101.36	43.55	20.47	1089.66	-.--	4.42	1299.60
Agri-Crops	28.10	4.62	0.00	0.00	2.81	-.--	16.66
Agri-Pasture	5.82	7.02	1.20	15.25	83.90	14.05	-.--

**Beech Creek-Cow Head Creek  
(080402030807)**

**Area Summary**

Area - Square Miles.....:	12.82
Area - Acres.....:	8302.42

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	92.00	302.00
Elevation Minimum.....:	51.00	167.00
Elevation Average.....:	67.00	220.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.08	.62%
Bare.....:	.00	-.--%
Water.....:	.01	.08%
Herbaceous.....:	.14	1.09%
Forest.....:	12.48	97.42%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	.10	.78%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.12	.94%
Bare.....:	.01	.08%
Water.....:	.02	.16%
Herbaceous.....:	.75	5.85%
Forest.....:	10.87	84.79%
Agri - Crops.....:	.06	.47%
Agri - pasture.....:	.99	7.72%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.10	.78%
Bare.....:	.00	-.--%
Water.....:	.01	.08%
Herbaceous.....:	2.01	15.69%
Forest.....:	9.86	76.97%
Agri - Crops.....:	.27	2.11%
Agri - pasture.....:	.56	4.37%

**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	0.0	2.21	0.00	-.--	43.96	0.00	26.29
Forest	.80	11.64	.20	503.58	-.--	1.20	476.09
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	0.0	1.40	0.00	2.61	11.84	0.00	-.--

**Flat Creek-Dry Creek  
(080402030803)**

**Area Summary**

Area - Square Miles.....:	29.53
Area - Acres.....:	19118.16

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	104.00	341.00
Elevation Minimum.....:	53.00	174.00
Elevation Average.....:	69.00	226.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.18	.62%
Bare.....:	.03	.10%
Water.....:	.23	.79%
Herbaceous.....:	1.12	3.85%
Forest.....:	24.66	84.77%
Agri - Crops.....:	.04	.14%
Agri - pasture.....:	2.83	9.73%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.23	.79%
Bare.....:	.15	.52%
Water.....:	.24	.83%
Herbaceous.....:	1.31	4.50%
Forest.....:	23.39	80.43%
Agri - Crops.....:	.13	.45%
Agri - pasture.....:	3.63	12.48%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.29	1.00%
Bare.....:	.09	.31%
Water.....:	.31	1.07%
Herbaceous.....:	3.47	11.93%
Forest.....:	21.89	75.25%
Agri - Crops.....:	.34	1.17%
Agri - pasture.....:	2.70	9.28%

**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	-.--	.40	0.00	0.00	0.00	.60
Water	0.0	24.49	-.--	8.43	24.09	.80	28.50
FROM Herb	.40	30.11	3.81	-.--	198.10	2.21	314.11
Forest	2.81	26.49	20.07	463.84	-.--	4.82	464.85
Agri-Crops	0.0	0.00	.20	.20	11.64	-.--	9.43
Agri-Pasture	1.61	11.04	.80	174.22	97.75	1.81	-.--

**Cox Creek  
(080402030805)**

**Area Summary**

Area - Square Miles.....:	25.18
Area - Acres.....:	16306.75

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	154.00	505.00
Elevation Minimum.....:	57.00	187.00
Elevation Average.....:	100.00	328.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.28	1.06%
Bare.....:	.00	-.--%
Water.....:	.43	1.62%
Herbaceous.....:	.40	1.51%
Forest.....:	24.49	92.48%
Agri - Crops.....:	.02	.08%
Agri - pasture.....:	.86	3.25%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.44	1.66%
Bare.....:	.04	.15%
Water.....:	.48	1.81%
Herbaceous.....:	.97	3.66%
Forest.....:	22.76	85.89%
Agri - Crops.....:	.08	.30%
Agri - pasture.....:	1.73	6.53%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.44	1.66%
Bare.....:	.02	.08%
Water.....:	.55	2.08%
Herbaceous.....:	2.10	7.92%
Forest.....:	21.95	82.83%
Agri - Crops.....:	.18	.68%
Agri - pasture.....:	1.26	4.75%

**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	.20
Water	1.61	2.01	-.--	0.00	6.42	0.00	.80
FROM Herb	17.06	6.82	0.00	-.--	96.14	.40	94.74
Forest	52.18	22.28	19.27	630.63	-.--	0.00	419.89
Agri-Crops	0.0	.20	0.00	8.43	2.41	-.--	4.21
Agri-Pasture	8.43	4.01	0.00	52.39	51.18	.20	-.--

**Brush Creek-Saline River  
(080402030804)**

**Area Summary**

Area - Square Miles.....:	22.24
Area - Acres.....:	14402.77

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	156.00	512.00
Elevation Minimum.....:	57.00	187.00
Elevation Average.....:	98.00	321.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.21	.93%
Bare.....:	.00	-.--%
Water.....:	.01	.04%
Herbaceous.....:	.61	2.70%
Forest.....:	19.95	88.24%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	1.83	8.09%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.28	1.24%
Bare.....:	.03	.13%
Water.....:	.10	.44%
Herbaceous.....:	1.01	4.47%
Forest.....:	18.45	81.60%
Agri - Crops.....:	.01	.04%
Agri - pasture.....:	2.73	12.07%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.30	1.33%
Bare.....:	.02	.09%
Water.....:	.39	1.72%
Herbaceous.....:	2.25	9.95%
Forest.....:	17.58	77.75%
Agri - Crops.....:	.08	.35%
Agri - pasture.....:	1.99	8.80%

**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	.80	-.--	0.00	.60	0.00	1.61
FROM Herb	0.0	8.43	.80	-.--	83.70	0.00	182.25
Forest	1.40	9.03	1.00	468.86	-.--	0.00	495.15
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	1.61	4.82	.40	148.73	66.44	.40	-.--

**Little Lost Creek-Dry Lost Creek  
(080402030802)**

**Area Summary**

Area - Square Miles.....	50.40
Area - Acres.....	32630.89

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	123.00	403.00
Elevation Minimum.....	56.00	184.00
Elevation Average.....	83.00	272.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.40	.80%
Bare.....	.01	.02%
Water.....	.12	.24%
Herbaceous.....	1.81	3.62%
Forest.....	43.43	86.83%
Agri - Crops.....	.04	.08%
Agri - pasture.....	4.21	8.42%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.62	1.24%
Bare.....	.12	.24%
Water.....	.13	.26%
Herbaceous.....	2.37	4.74%
Forest.....	40.33	80.60%
Agri - Crops.....	.07	.14%
Agri - pasture.....	6.40	12.79%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.64	1.28%
Bare.....	.04	.08%
Water.....	.22	.44%
Herbaceous.....	7.41	14.81%
Forest.....	37.16	74.29%
Agri - Crops.....	.36	.72%
Agri - pasture.....	4.19	8.38%

**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>
Urban	-.--	-.--	-.--	-.--	-.--	-.--	-.--
Bare	0.0	-.--	0.00	0.00	.20	0.00	0.00
Water	0.0	5.62	-.--	2.01	26.29	0.00	9.43
FROM Herb	9.03	38.14	4.82	-.--	382.35	.60	568.41
Forest	54.79	31.11	5.82	917.45	-.--	.40	1255.44
Agri-Crops	0.0	.60	0.00	.20	12.24	-.--	12.85
Agri-Pasture	14.65	12.44	9.83	309.70	234.63	1.20	-.--

**Chapel Creek-Saline River  
(080402030808)**

**Area Summary**

Area - Square Miles.....	55.35
Area - Acres.....	35838.09

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	109.00	358.00
Elevation Minimum.....	48.00	157.00
Elevation Average.....	65.00	213.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.52	.95%
Bare.....	.00	-.--%
Water.....	.29	.53%
Herbaceous.....	1.14	2.07%
Forest.....	51.46	93.53%
Agri - Crops.....	.03	.05%
Agri - pasture.....	1.58	2.87%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.82	1.49%
Bare.....	.06	.11%
Water.....	.63	1.14%
Herbaceous.....	1.76	3.20%
Forest.....	48.80	88.66%
Agri - Crops.....	.07	.13%
Agri - pasture.....	2.90	5.27%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.81	1.47%
Bare.....	.03	.05%
Water.....	.34	.62%
Herbaceous.....	4.08	7.42%
Forest.....	47.44	86.22%
Agri - Crops.....	.24	.44%
Agri - pasture.....	2.08	3.78%

**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	4.42	-.--	0.00	21.07	0.00	5.82
FROM Herb	35.73	17.46	.60	-.--	232.62	.60	302.67
Forest	116.01	27.70	74.46	704.09	-.--	0.00	672.78
Agri-Crops	0.0	.20	0.00	.80	6.82	-.--	7.83
Agri-Pasture	13.65	6.02	1.20	57.80	67.24	1.61	-.--

**Mud Creek-Saline River  
(080402030806)**

**Area Summary**

Area - Square Miles.....	42.79
Area - Acres.....	27705.02

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	139.00	456.00
Elevation Minimum.....	51.00	167.00
Elevation Average.....	76.00	249.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.49	1.15%
Bare.....	.00	-.--%
Water.....	.17	.40%
Herbaceous.....	1.27	2.98%
Forest.....	33.25	78.00%
Agri - Crops.....	.07	.16%
Agri - pasture.....	7.38	17.31%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.93	2.18%
Bare.....	.08	.19%
Water.....	.39	.91%
Herbaceous.....	2.02	4.74%
Forest.....	31.12	73.00%
Agri - Crops.....	.14	.33%
Agri - pasture.....	7.95	18.65%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.04	2.44%
Bare.....	.03	.07%
Water.....	.43	1.01%
Herbaceous.....	3.88	9.10%
Forest.....	30.55	71.66%
Agri - Crops.....	.46	1.08%
Agri - pasture.....	6.24	14.64%

**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	4.62	5.42	-.--	3.21	42.35	.20	25.69
FROM Herb	47.77	15.05	3.61	-.--	175.82	1.00	362.68
Forest	74.46	32.31	20.27	843.39	-.--	1.81	826.12
Agri-Crops	.20	0.00	0.00	.20	45.76	-.--	0.00
Agri-Pasture	133.27	10.44	4.21	719.95	230.01	3.41	-.--