

# Watershed Report

## Ozan Creek-Little Missouri River

### 0804010303

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)

### *Ozan Creek-Little Missouri River (0804010303)*

#### **Area Summary**

Area - Square Miles.....	171.33
Area - Acres.....	110936.68

#### **Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	213.00	699.00
Elevation Minimum.....	78.00	256.00
Elevation Average.....	121.00	397.00

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

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.30	.76%
Bare.....	.01	.01%
Water.....	.90	.53%
Herbaceous.....	.74	.43%
Forest.....	101.98	59.64%
Agri - Crops.....	.23	.13%
Agri - pasture.....	65.84	38.50%

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

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	4.42	2.58%
Bare.....	.28	.16%
Water.....	.88	.51%
Herbaceous.....	4.10	2.40%
Forest.....	112.92	66.03%
Agri - Crops.....	.34	.20%
Agri - pasture.....	48.08	28.11%

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

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	6.43	3.57%
Bare.....	.17	.09%
Water.....	.82	.46%
Herbaceous.....	19.09	10.61%
Forest.....	104.64	58.16%
Agri - Crops.....	.68	.38%

Agri - pasture.....: 39.18 21.78%

**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	2.01	-.--	0.00	.80	.40	1.40	.60
Water	4.82	3.41	-.--	11.04	133.87	.40	25.09
FROM Herb	13.25	.20	2.61	-.--	282.60	.40	36.13
Forest	847.60	63.63	117.42	1450.54	-.--	30.91	1002.35
Agri-Crops	0.0	0.00	0.00	12.64	135.88	-.--	0.00
Agri-Pasture	1138.83	70.65	40.94	3929.51	6406.48	121.23	-.--

# Sub-Watershed Summary (12 Digit HUC)

## Ozan Creek (080401030305)

### Area Summary

Area - Square Miles.....	34.26
Area - Acres.....	22184.09

### Elevation Summary

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	152.00	499.00
Elevation Minimum.....	78.00	256.00
Elevation Average.....	104.00	341.00

### Land Use / Land Cover for 1999

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.47	1.36%
Bare.....	.00	-.--%
Water.....	.14	.41%
Herbaceous.....	.16	.46%
Forest.....	21.79	63.27%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	11.88	34.49%

### Land Use / Land Cover for 2004

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.41	4.09%
Bare.....	.06	.17%
Water.....	.11	.32%
Herbaceous.....	.92	2.67%
Forest.....	23.60	68.49%
Agri - Crops.....	.03	.09%
Agri - pasture.....	8.33	24.17%

### Land Use / Land Cover for 2006

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.63	4.73%
Bare.....	.01	.03%
Water.....	.11	.32%
Herbaceous.....	4.47	12.97%
Forest.....	22.64	65.70%
Agri - Crops.....	.06	.17%
Agri - pasture.....	5.54	16.08%

### 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	0.00	1.00	.40
Water	1.40	.40	-.--	1.81	26.29	0.00	2.81
FROM Herb	7.23	0.00	.60	-.--	81.29	0.00	5.62
Forest	293.24	14.85	7.23	280.59	-.--	1.61	188.67
Agri-Crops	0.0	0.00	0.00	0.00	1.20	-.--	0.00
Agri-Pasture	367.90	12.64	9.63	617.39	1189.41	6.22	-.--

**Upper North Fork Ozan Creek  
(080401030301)**

**Area Summary**

Area - Square Miles.....	47.80
Area - Acres.....	30952.87

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....	213.00	699.00
Elevation Minimum.....	99.00	325.00
Elevation Average.....	143.00	469.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	.49	1.03%
Bare.....	.01	.02%
Water.....	.34	.72%
Herbaceous.....	.12	.25%
Forest.....	22.31	47.08%
Agri - Crops.....	.00	-.--%
Agri - pasture.....	24.12	50.90%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.13	2.38%
Bare.....	.09	.19%
Water.....	.33	.70%
Herbaceous.....	1.33	2.81%
Forest.....	25.05	52.86%
Agri - Crops.....	.12	.25%
Agri - pasture.....	19.34	40.81%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....	1.96	4.14%
Bare.....	.12	.25%
Water.....	.23	.49%
Herbaceous.....	4.80	10.13%
Forest.....	22.29	47.04%
Agri - Crops.....	.31	.65%
Agri - pasture.....	17.68	37.31%

**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	1.81	-.--	0.00	.80	.40	.40	.20
Water	.20	1.40	-.--	7.02	42.95	0.00	8.63
FROM Herb	.80	.20	.60	-.--	31.11	.20	15.25
Forest	141.30	23.28	61.82	534.29	-.--	4.21	311.50
Agri-Crops	0.0	0.00	0.00	.40	1.00	-.--	0.00
Agri-Pasture	156.35	27.50	13.85	1352.79	1495.70	50.78	-.--

**Middle Fork Ozan Creek  
(080401030302)**

**Area Summary**

Area - Square Miles.....:	23.81
Area - Acres.....:	15417.43

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	146.00	479.00
Elevation Minimum.....:	89.00	292.00
Elevation Average.....:	117.00	384.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.08	.33%
Bare.....:	.00	-.--%
Water.....:	.05	.21%
Herbaceous.....:	.14	.58%
Forest.....:	15.37	63.88%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	8.42	35.00%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.51	2.12%
Bare.....:	.04	.17%
Water.....:	.07	.29%
Herbaceous.....:	.27	1.12%
Forest.....:	17.33	72.03%
Agri - Crops.....:	.02	.08%
Agri - pasture.....:	5.82	24.19%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.79	3.28%
Bare.....:	.01	.04%
Water.....:	.11	.46%
Herbaceous.....:	1.72	7.15%
Forest.....:	16.73	69.53%
Agri - Crops.....:	.04	.17%
Agri - pasture.....:	4.66	19.37%

**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	1.20	.20	-.--	.60	14.05	0.00	3.41
FROM Herb	3.21	0.00	0.00	-.--	61.02	0.00	3.01
Forest	127.05	9.83	4.62	102.76	-.--	1.00	126.05
Agri-Crops	0.0	0.00	0.00	0.00	0.00	-.--	0.00
Agri-Pasture	164.18	9.83	2.61	405.44	1080.63	10.24	-.--

**Lower North Fork Ozan Creek  
(080401030303)**

**Area Summary**

Area - Square Miles.....:	25.26
Area - Acres.....:	16352.90

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	162.00	531.00
Elevation Minimum.....:	90.00	295.00
Elevation Average.....:	119.00	390.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.08	.32%
Bare.....:	.00	-.--%
Water.....:	.09	.36%
Herbaceous.....:	.12	.48%
Forest.....:	18.55	73.64%
Agri - Crops.....:	.00	-.--%
Agri - pasture.....:	6.35	25.21%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.44	1.75%
Bare.....:	.04	.16%
Water.....:	.08	.32%
Herbaceous.....:	.45	1.79%
Forest.....:	19.57	77.66%
Agri - Crops.....:	.03	.12%
Agri - pasture.....:	4.59	18.21%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.65	2.58%
Bare.....:	.02	.08%
Water.....:	.11	.44%
Herbaceous.....:	2.41	9.56%
Forest.....:	18.30	72.62%
Agri - Crops.....:	.07	.28%
Agri - pasture.....:	3.64	14.44%

**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	0.00	0.00	0.00
Water	.20	.60	-.--	0.00	17.46	0.00	2.01
FROM Herb	0.0	0.00	0.00	-.--	54.79	0.00	6.82
Forest	126.85	5.42	8.83	217.37	-.--	6.22	106.18
Agri-Crops	0.0	0.00	0.00	1.00	0.00	-.--	0.00
Agri-Pasture	115.81	6.22	5.22	424.10	653.91	6.62	-.--

**South Fork Ozan Creek-Ozan Creek  
(080401030304)**

**Area Summary**

Area - Square Miles.....:	40.20
Area - Acres.....:	26029.39

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	152.00	499.00
Elevation Minimum.....:	87.00	285.00
Elevation Average.....:	114.00	374.00

**Land Use / Land Cover for 1999**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.18	.45%
Bare.....:	.00	-.--%
Water.....:	.28	.70%
Herbaceous.....:	.20	.50%
Forest.....:	23.96	60.02%
Agri - Crops.....:	.23	.58%
Agri - pasture.....:	15.07	37.75%

**Land Use / Land Cover for 2004**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	.93	2.33%
Bare.....:	.05	.13%
Water.....:	.29	.73%
Herbaceous.....:	1.13	2.83%
Forest.....:	27.37	68.58%
Agri - Crops.....:	.14	.35%
Agri - pasture.....:	10.00	25.06%

**Land Use / Land Cover for 2006**

	<u>Sq. Miles</u>	<u>% of Total</u>
Urban.....:	1.40	3.51%
Bare.....:	.01	.03%
Water.....:	.26	.65%
Herbaceous.....:	5.69	14.26%
Forest.....:	24.68	61.85%
Agri - Crops.....:	.20	.50%
Agri - pasture.....:	7.66	19.20%

**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	1.81	.80	-.--	1.61	33.12	.40	8.23
FROM Herb	2.01	0.00	1.40	-.--	54.39	.20	5.42
Forest	159.16	10.24	34.92	315.52	-.--	17.86	269.96
Agri-Crops	0.0	0.00	0.00	11.24	133.67	-.--	0.00
Agri-Pasture	334.58	14.45	9.63	1129.80	1986.83	47.37	-.--