

Watershed Report

Maumelle River-Arkansas River

1111020701

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)

Maumelle River-Arkansas River (1111020701)

Area Summary

Area - Square Miles..... 255.26
 Area - Acres..... 165272.90

Elevation Summary

| | <u>Meters</u> | <u>Feet</u> |
|------------------------|---------------|-------------|
| Elevation Maximun..... | 451.00 | 1479.00 |
| Elevation Minimum..... | 73.00 | 239.00 |
| Elevation Average..... | 159.00 | 522.00 |

Population Summary

Population Estimate for 1990..... 19127.00
 Population Density for 1990 (persons/sq mi)... 74.93
 Population Estimate for 2000..... 27996.00
 Population Density for 2000 (persons/sq mi)... 109.68
 Population Percent Change..... 46.37%

Population Density Summary

| <u>Density</u> | <u>Area 1990</u> | <u>% of Total</u> | <u>Area 2000</u> | <u>% of Total</u> | <u>% Change</u> |
|----------------|------------------|-------------------|------------------|-------------------|-----------------|
| 0 | 75.67 | 29.64% | 65.57 | 25.69% | -13.35% |
| 0-5 | 32.63 | 12.78% | 41.42 | 16.23% | 26.94% |
| 5-10 | 29.38 | 11.51% | 19.35 | 7.58% | -34.14% |
| 10-25 | 33.44 | 13.10% | 39.10 | 15.32% | 16.93% |
| 25-50 | 34.04 | 13.34% | 31.97 | 12.52% | -6.08% |
| 50-100 | 20.23 | 7.93% | 21.98 | 8.61% | 8.65% |
| 100-500 | 24.38 | 9.55% | 28.81 | 11.29% | 18.17% |
| 500-1000 | 2.46 | .96% | 2.51 | .98% | 2.03% |
| > 1000 | 4.62 | 1.81% | 6.13 | 2.40% | 32.68% |

Sub-Watershed Summary (12 Digit HUC)

Reece Creek-Maumelle River (111102070106)

Area Summary

Area - Square Miles.....: 54.06
Area - Acres.....: 35001.70

Elevation Summary

| | <u>Meters</u> | <u>Feet</u> |
|-------------------------|---------------|-------------|
| Elevation Maximun.....: | 352.00 | 1155.00 |
| Elevation Minimum.....: | 74.00 | 243.00 |
| Elevation Average.....: | 134.00 | 440.00 |

Population Summary

Population Estimate for 1990.....: 799.00
Population Density for 1990 (persons/sq mi)...: 14.78
Population Estimate for 2000.....: 1181.00
Population Density for 2000 (persons/sq mi)...: 21.85
Population Percent Change.....: 47.81%

Population Density Summary

| <u>Density</u> | <u>Area 1990</u> | <u>% of Total</u> | <u>Area 2000</u> | <u>% of Total</u> | <u>% Change</u> |
|----------------|------------------|-------------------|------------------|-------------------|-----------------|
| 0 | 17.22 | 31.85% | 17.78 | 32.89% | 3.25% |
| 0-5 | 9.70 | 17.94% | 10.12 | 18.72% | 4.33% |
| 5-10 | 10.30 | 19.05% | .16 | .30% | -98.45% |
| 10-25 | 3.09 | 5.72% | 10.52 | 19.46% | 240.45% |
| 25-50 | 12.79 | 23.66% | 12.21 | 22.59% | -4.53% |
| 50-100 | 1.62 | 3.00% | 2.01 | 3.72% | 24.07% |
| 100-500 | .21 | .39% | 2.12 | 3.92% | 909.52% |
| 500-1000 | .00 | -.--% | .01 | .02% | -.--% |
| > 1000 | .00 | -.--% | .01 | .02% | -.--% |

***Maumelle River-Arkansas River
(111102070107)***

Area Summary

Area - Square Miles.....: **34.02**
 Area - Acres.....: **22025.24**

Elevation Summary

| | <u>Meters</u> | <u>Feet</u> |
|-------------------------|---------------|---------------|
| Elevation Maximun.....: | 251.00 | 823.00 |
| Elevation Minimum.....: | 73.00 | 239.00 |
| Elevation Average.....: | 92.00 | 302.00 |

Population Summary

Population Estimate for 1990.....: **3275.00**
 Population Density for 1990 (persons/sq mi)...: **96.27**
 Population Estimate for 2000.....: **6317.00**
 Population Density for 2000 (persons/sq mi)...: **185.68**
 Population Percent Change.....: **92.89%**

Population Density Summary

| <u>Density</u> | <u>Area 1990</u> | <u>% of Total</u> | <u>Area 2000</u> | <u>% of Total</u> | <u>% Change</u> |
|------------------|------------------|-------------------|------------------|-------------------|-----------------|
| 0 | 10.11 | 29.72% | 6.63 | 19.49% | -34.42% |
| 0-5 | .47 | 1.38% | 3.40 | 9.99% | 623.40% |
| 5-10 | 3.44 | 10.11% | .02 | .06% | -99.42% |
| 10-25 | 3.76 | 11.05% | 6.05 | 17.78% | 60.90% |
| 25-50 | 6.38 | 18.75% | 7.59 | 22.31% | 18.97% |
| 50-100 | 1.54 | 4.53% | .69 | 2.03% | -55.19% |
| 100-500 | 8.24 | 24.22% | 8.36 | 24.57% | 1.46% |
| 500-1000 | .66 | 1.94% | .59 | 1.73% | -10.61% |
| > 1000 | .14 | .41% | 1.43 | 4.20% | 921.43% |

**Kinley Creek-Nowlin River
(111102070103)**

Area Summary

Area - Square Miles.....: 26.35
 Area - Acres.....: 17060.89

Elevation Summary

| | <u>Meters</u> | <u>Feet</u> |
|-------------------------|---------------|-------------|
| Elevation Maximum.....: | 346.00 | 1135.00 |
| Elevation Minimum.....: | 78.00 | 256.00 |
| Elevation Average.....: | 162.00 | 531.00 |

Population Summary

Population Estimate for 1990.....: 657.00
 Population Density for 1990 (persons/sq mi)...: 24.93
 Population Estimate for 2000.....: 837.00
 Population Density for 2000 (persons/sq mi)...: 31.76
 Population Percent Change.....: 27.40%

Population Density Summary

| <u>Density</u> | <u>Area 1990</u> | <u>% of Total</u> | <u>Area 2000</u> | <u>% of Total</u> | <u>% Change</u> |
|----------------|------------------|-------------------|------------------|-------------------|-----------------|
| 0 | 8.72 | 33.09% | 4.31 | 16.36% | -50.57% |
| 0-5 | 4.19 | 15.90% | 3.96 | 15.03% | -5.49% |
| 5-10 | .21 | .80% | .00 | -.--% | -.--% |
| 10-25 | 4.58 | 17.38% | 9.55 | 36.24% | 108.52% |
| 25-50 | 3.15 | 11.95% | 2.74 | 10.40% | -13.02% |
| 50-100 | 4.02 | 15.26% | 4.04 | 15.33% | .50% |
| 100-500 | 1.49 | 5.65% | 1.76 | 6.68% | 18.12% |
| 500-1000 | .02 | .08% | .02 | .08% | .00% |
| > 1000 | .00 | -.--% | .00 | -.--% | -.--% |

**Bringle Creek-Maumelle River
(111102070102)**

Area Summary

| | |
|--------------------------|-----------------|
| Area - Square Miles..... | 41.38 |
| Area - Acres..... | 26791.48 |

Elevation Summary

| | <u>Meters</u> | <u>Feet</u> |
|------------------------|---------------|----------------|
| Elevation Maximun..... | 424.00 | 1391.00 |
| Elevation Minimum..... | 82.00 | 269.00 |
| Elevation Average..... | 180.00 | 590.00 |

Population Summary

| | |
|--|---------------|
| Population Estimate for 1990..... | 427.00 |
| Population Density for 1990 (persons/sq mi)... | 10.32 |
| Population Estimate for 2000..... | 541.00 |
| Population Density for 2000 (persons/sq mi)... | 13.07 |
| Population Percent Change..... | 26.70% |

Population Density Summary

| <u>Density</u> | <u>Area 1990</u> | <u>% of Total</u> | <u>Area 2000</u> | <u>% of Total</u> | <u>% Change</u> |
|------------------|------------------|-------------------|------------------|-------------------|-----------------|
| 0 | 19.17 | 46.33% | 17.49 | 42.27% | -8.76% |
| 0-5 | 9.26 | 22.38% | 6.67 | 16.12% | -27.97% |
| 5-10 | 4.68 | 11.31% | 12.33 | 29.80% | 163.46% |
| 10-25 | 3.97 | 9.59% | 1.51 | 3.65% | -61.96% |
| 25-50 | 2.40 | 5.80% | .88 | 2.13% | -63.33% |
| 50-100 | 2.45 | 5.92% | 1.42 | 3.43% | -42.04% |
| 100-500 | .20 | .48% | 1.84 | 4.45% | 820.00% |
| 500-1000 | .01 | .02% | .00 | -.--% | -.--% |
| > 1000 | .00 | -.--% | .00 | -.--% | -.--% |

Brown Creek-Maumelle River (111102070101)

Area Summary

| | |
|--------------------------|-----------------|
| Area - Square Miles..... | 42.92 |
| Area - Acres..... | 27791.93 |

Elevation Summary

| | <u>Meters</u> | <u>Feet</u> |
|------------------------|---------------|----------------|
| Elevation Maximun..... | 451.00 | 1479.00 |
| Elevation Minimum..... | 127.00 | 417.00 |
| Elevation Average..... | 248.00 | 813.00 |

Population Summary

| | |
|--|---------------|
| Population Estimate for 1990..... | 222.00 |
| Population Density for 1990 (persons/sq mi)... | 5.17 |
| Population Estimate for 2000..... | 266.00 |
| Population Density for 2000 (persons/sq mi)... | 6.20 |
| Population Percent Change..... | 19.82% |

Population Density Summary

| <u>Density</u> | <u>Area 1990</u> | <u>% of Total</u> | <u>Area 2000</u> | <u>% of Total</u> | <u>% Change</u> |
|------------------|------------------|-------------------|------------------|-------------------|-----------------|
| 0 | 18.26 | 42.54% | 16.01 | 37.30% | -12.32% |
| 0-5 | 8.64 | 20.13% | 16.13 | 37.58% | 86.69% |
| 5-10 | 10.75 | 25.05% | 6.38 | 14.86% | -40.65% |
| 10-25 | 4.56 | 10.62% | 3.41 | 7.95% | -25.22% |
| 25-50 | .16 | .37% | .00 | -.--% | -.--% |
| 50-100 | .56 | 1.30% | .46 | 1.07% | -17.86% |
| 100-500 | .16 | .37% | .70 | 1.63% | 337.50% |
| 500-1000 | .01 | .02% | .02 | .05% | 100.00% |
| > 1000 | .00 | -.--% | .00 | -.--% | -.--% |

**Little Maumelle River-Maumelle River
(111102070105)**

Area Summary

Area - Square Miles.....: 20.80
 Area - Acres.....: 13469.73

Elevation Summary

| | <u>Meters</u> | <u>Feet</u> |
|-------------------------|---------------|-------------|
| Elevation Maximun.....: | 322.00 | 1056.00 |
| Elevation Minimum.....: | 74.00 | 243.00 |
| Elevation Average.....: | 117.00 | 384.00 |

Population Summary

Population Estimate for 1990.....: 11722.00
 Population Density for 1990 (persons/sq mi)...: 563.56
 Population Estimate for 2000.....: 16079.00
 Population Density for 2000 (persons/sq mi)...: 773.03
 Population Percent Change.....: 37.17%

Population Density Summary

| <u>Density</u> | <u>Area 1990</u> | <u>% of Total</u> | <u>Area 2000</u> | <u>% of Total</u> | <u>% Change</u> |
|----------------|------------------|-------------------|------------------|-------------------|-----------------|
| 0 | .93 | 4.47% | 2.53 | 12.16% | 172.04% |
| 0-5 | .00 | -.--% | .00 | -.--% | -.--% |
| 5-10 | .00 | -.--% | .00 | -.--% | -.--% |
| 10-25 | 1.55 | 7.45% | .32 | 1.54% | -79.35% |
| 25-50 | 3.43 | 16.49% | 2.81 | 13.51% | -18.08% |
| 50-100 | 3.03 | 14.57% | 1.99 | 9.57% | -34.32% |
| 100-500 | 5.22 | 25.10% | 6.22 | 29.90% | 19.16% |
| 500-1000 | 1.73 | 8.32% | 1.82 | 8.75% | 5.20% |
| > 1000 | 4.47 | 21.49% | 4.68 | 22.50% | 4.70% |

Fletcher Creek-Maumelle River (111102070104)

Area Summary

| | |
|--------------------------|----------|
| Area - Square Miles..... | 35.73 |
| Area - Acres..... | 23131.93 |

Elevation Summary

| | <u>Meters</u> | <u>Feet</u> |
|------------------------|---------------|-------------|
| Elevation Maximum..... | 322.00 | 1056.00 |
| Elevation Minimum..... | 78.00 | 256.00 |
| Elevation Average..... | 154.00 | 505.00 |

Population Summary

| | |
|--|---------|
| Population Estimate for 1990..... | 2025.00 |
| Population Density for 1990 (persons/sq mi)... | 56.68 |
| Population Estimate for 2000..... | 2775.00 |
| Population Density for 2000 (persons/sq mi)... | 77.67 |
| Population Percent Change..... | 37.04% |

Population Density Summary

| <u>Density</u> | <u>Area 1990</u> | <u>% of Total</u> | <u>Area 2000</u> | <u>% of Total</u> | <u>% Change</u> |
|----------------|------------------|-------------------|------------------|-------------------|-----------------|
| 0 | 1.25 | 3.50% | .83 | 2.32% | -33.60% |
| 0-5 | .37 | 1.04% | 1.13 | 3.16% | 205.41% |
| 5-10 | .00 | -.--% | .47 | 1.32% | -.--% |
| 10-25 | 11.93 | 33.39% | 7.75 | 21.69% | -35.04% |
| 25-50 | 5.73 | 16.04% | 5.73 | 16.04% | .00% |
| 50-100 | 7.00 | 19.59% | 11.36 | 31.79% | 62.29% |
| 100-500 | 8.86 | 24.80% | 7.82 | 21.89% | -11.74% |
| 500-1000 | .02 | .06% | .06 | .17% | 200.00% |
| > 1000 | .00 | -.--% | .02 | .06% | -.--% |
