

# Watershed Report

## Big Creek-Dorcheat Bayou

### 1114020301

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)

### *Big Creek-Dorcheat Bayou (1114020301)*

#### **Area Summary**

Area - Square Miles.....	361.96
Area - Acres.....	234366.51

#### **Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....	145.00	476.00
Elevation Minimum.....	62.00	203.00
Elevation Average.....	93.00	305.00

#### **Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....	780.94
Total Miles of Interstate Highways.....	.00
Total Miles of US Highways.....	74.96
Total Miles of State Highways.....	56.00
Total Miles of City Streets Unpaved.....	13.13
Total Miles of City Streets Paved.....	108.42
Total Miles of All City Streets.....	121.55
Total Miles of Miscellaneous Roads.....	12.13
Total Miles of All County Roads Types.....	637.85
Total Miles of County Roads Paved.....	239.46
Total Miles of County Roads Gravel.....	217.49
Total Miles of County Roads Graded.....	111.72
Total Miles of County Roads Unimproved.....	69.18

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# Sub-Watershed Summary (12 Digit HUC)

## **Brushy Creek-Cypress Creek (111402030101)**

### **Area Summary**

Area - Square Miles.....:	34.73
Area - Acres.....:	22488.27

### **Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximum.....:	145.00	476.00
Elevation Minimum.....:	84.00	276.00
Elevation Average.....:	105.00	344.00

### **Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	80.45
Total Miles of Interstate Highways.....:	.00
Total Miles of US Highways.....:	5.52
Total Miles of State Highways.....:	5.35
Total Miles of City Streets Unpaved.....:	1.71
Total Miles of City Streets Paved.....:	1.35
Total Miles of All City Streets.....:	3.06
Total Miles of Miscellaneous Roads.....:	.00
Total Miles of All County Roads Types.....:	69.58
Total Miles of County Roads Paved.....:	.20
Total Miles of County Roads Gravel.....:	49.54
Total Miles of County Roads Graded.....:	6.53
Total Miles of County Roads Unimproved.....:	13.31

**Clear Creek-Dorcheat Bayou  
(111402030103)**

**Area Summary**

Area - Square Miles.....:	<b>21.43</b>
Area - Acres.....:	<b>13873.50</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>134.00</b>	<b>440.00</b>
Elevation Minimum.....:	<b>75.00</b>	<b>246.00</b>
Elevation Average.....:	<b>97.00</b>	<b>318.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>47.00</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>.00</b>
Total Miles of State Highways.....:	<b>8.77</b>
Total Miles of City Streets Unpaved.....:	<b>.23</b>
Total Miles of City Streets Paved.....:	<b>.55</b>
Total Miles of All City Streets.....:	<b>.78</b>
Total Miles of Miscellaneous Roads.....:	<b>.02</b>
Total Miles of All County Roads Types.....:	<b>38.21</b>
Total Miles of County Roads Paved.....:	<b>13.99</b>
Total Miles of County Roads Gravel.....:	<b>9.69</b>
Total Miles of County Roads Graded.....:	<b>4.92</b>
Total Miles of County Roads Unimproved.....:	<b>9.61</b>

**Beech Creek-Dorcheat Bayou  
(111402030105)**

**Area Summary**

Area - Square Miles.....:	<b>49.28</b>
Area - Acres.....:	<b>31909.09</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>122.00</b>	<b>400.00</b>
Elevation Minimum.....:	<b>69.00</b>	<b>226.00</b>
Elevation Average.....:	<b>94.00</b>	<b>308.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>99.00</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>10.86</b>
Total Miles of State Highways.....:	<b>11.92</b>
Total Miles of City Streets Unpaved.....:	<b>1.46</b>
Total Miles of City Streets Paved.....:	<b>5.07</b>
Total Miles of All City Streets.....:	<b>6.53</b>
Total Miles of Miscellaneous Roads.....:	<b>1.38</b>
Total Miles of All County Roads Types.....:	<b>74.84</b>
Total Miles of County Roads Paved.....:	<b>44.90</b>
Total Miles of County Roads Gravel.....:	<b>18.18</b>
Total Miles of County Roads Graded.....:	<b>7.92</b>
Total Miles of County Roads Unimproved.....:	<b>3.84</b>

**Chaffin Branch-Big Creek  
(111402030109)**

**Area Summary**

Area - Square Miles.....:	<b>44.10</b>
Area - Acres.....:	<b>28554.81</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>121.00</b>	<b>397.00</b>
Elevation Minimum.....:	<b>62.00</b>	<b>203.00</b>
Elevation Average.....:	<b>82.00</b>	<b>269.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>106.15</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>7.53</b>
Total Miles of State Highways.....:	<b>5.12</b>
Total Miles of City Streets Unpaved.....:	
Total Miles of City Streets Paved.....:	
Total Miles of All City Streets.....:	
Total Miles of Miscellaneous Roads.....:	<b>.28</b>
Total Miles of All County Roads Types.....:	<b>93.22</b>
Total Miles of County Roads Paved.....:	<b>41.70</b>
Total Miles of County Roads Gravel.....:	<b>17.10</b>
Total Miles of County Roads Graded.....:	<b>31.69</b>
Total Miles of County Roads Unimproved.....:	<b>2.73</b>

**Holly Creek-Dorcheat Bayou  
(111402030110)**

**Area Summary**

Area - Square Miles.....:	<b>52.84</b>
Area - Acres.....:	<b>34215.69</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>124.00</b>	<b>407.00</b>
Elevation Minimum.....:	<b>62.00</b>	<b>203.00</b>
Elevation Average.....:	<b>82.00</b>	<b>269.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>101.51</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>4.71</b>
Total Miles of State Highways.....:	<b>.38</b>
Total Miles of City Streets Unpaved.....:	<b>1.10</b>
Total Miles of City Streets Paved.....:	<b>5.56</b>
Total Miles of All City Streets.....:	<b>6.66</b>
Total Miles of Miscellaneous Roads.....:	<b>.22</b>
Total Miles of All County Roads Types.....:	<b>96.20</b>
Total Miles of County Roads Paved.....:	<b>44.18</b>
Total Miles of County Roads Gravel.....:	<b>15.14</b>
Total Miles of County Roads Graded.....:	<b>22.21</b>
Total Miles of County Roads Unimproved.....:	<b>14.67</b>

**Nations Creek  
(111402030107)**

**Area Summary**

Area - Square Miles.....:	26.61
Area - Acres.....:	17227.96

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	127.00	417.00
Elevation Minimum.....:	69.00	226.00
Elevation Average.....:	96.00	315.00

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	79.30
Total Miles of Interstate Highways.....:	.00
Total Miles of US Highways.....:	10.82
Total Miles of State Highways.....:	1.78
Total Miles of City Streets Unpaved.....:	1.35
Total Miles of City Streets Paved.....:	16.78
Total Miles of All City Streets.....:	18.13
Total Miles of Miscellaneous Roads.....:	2.85
Total Miles of All County Roads Types.....:	63.85
Total Miles of County Roads Paved.....:	34.76
Total Miles of County Roads Gravel.....:	15.11
Total Miles of County Roads Graded.....:	13.76
Total Miles of County Roads Unimproved.....:	.22

**Barlow Branch-Big Creek  
(111402030108)**

**Area Summary**

Area - Square Miles.....:	31.54
Area - Acres.....:	20422.61

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	121.00	397.00
Elevation Minimum.....:	69.00	226.00
Elevation Average.....:	92.00	302.00

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	72.56
Total Miles of Interstate Highways.....:	.00
Total Miles of US Highways.....:	23.54
Total Miles of State Highways.....:	9.16
Total Miles of City Streets Unpaved.....:	5.55
Total Miles of City Streets Paved.....:	72.15
Total Miles of All City Streets.....:	77.70
Total Miles of Miscellaneous Roads.....:	5.57
Total Miles of All County Roads Types.....:	34.29
Total Miles of County Roads Paved.....:	17.00
Total Miles of County Roads Gravel.....:	8.99
Total Miles of County Roads Graded.....:	7.82
Total Miles of County Roads Unimproved.....:	.48



**Cypress Creek-Dorcheat Bayou  
(111402030102)**

**Area Summary**

Area - Square Miles.....:	<b>36.27</b>
Area - Acres.....:	<b>23482.82</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>136.00</b>	<b>446.00</b>
Elevation Minimum.....:	<b>81.00</b>	<b>266.00</b>
Elevation Average.....:	<b>101.00</b>	<b>331.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>70.55</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>5.11</b>
Total Miles of State Highways.....:	<b>3.00</b>
Total Miles of City Streets Unpaved.....:	<b>.23</b>
Total Miles of City Streets Paved.....:	<b>.37</b>
Total Miles of All City Streets.....:	<b>.60</b>
Total Miles of Miscellaneous Roads.....:	<b>.00</b>
Total Miles of All County Roads Types.....:	<b>62.44</b>
Total Miles of County Roads Paved.....:	<b>5.65</b>
Total Miles of County Roads Gravel.....:	<b>41.45</b>
Total Miles of County Roads Graded.....:	<b>5.54</b>
Total Miles of County Roads Unimproved.....:	<b>9.80</b>

**Green Creek-Big Creek  
(111402030106)**

**Area Summary**

Area - Square Miles.....:	<b>33.79</b>
Area - Acres.....:	<b>21878.03</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>131.00</b>	<b>430.00</b>
Elevation Minimum.....:	<b>84.00</b>	<b>276.00</b>
Elevation Average.....:	<b>104.00</b>	<b>341.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>60.99</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>2.69</b>
Total Miles of State Highways.....:	<b>2.21</b>
Total Miles of City Streets Unpaved.....:	<b>1.50</b>
Total Miles of City Streets Paved.....:	<b>6.59</b>
Total Miles of All City Streets.....:	<b>8.09</b>
Total Miles of Miscellaneous Roads.....:	<b>.79</b>
Total Miles of All County Roads Types.....:	<b>55.30</b>
Total Miles of County Roads Paved.....:	<b>27.37</b>
Total Miles of County Roads Gravel.....:	<b>23.31</b>
Total Miles of County Roads Graded.....:	<b>3.41</b>
Total Miles of County Roads Unimproved.....:	<b>1.21</b>

**Town of Jefferson-Dorcheat Bayou  
(111402030104)**

**Area Summary**

Area - Square Miles.....:	<b>31.37</b>
Area - Acres.....:	<b>20313.73</b>

**Elevation Summary**

	<u>Meters</u>	<u>Feet</u>
Elevation Maximun.....:	<b>122.00</b>	<b>400.00</b>
Elevation Minimum.....:	<b>73.00</b>	<b>239.00</b>
Elevation Average.....:	<b>90.00</b>	<b>295.00</b>

**Transportation Summary**

	<u>Miles</u>
Total Miles of All Road Types.....:	<b>63.43</b>
Total Miles of Interstate Highways.....:	<b>.00</b>
Total Miles of US Highways.....:	<b>4.18</b>
Total Miles of State Highways.....:	<b>8.31</b>
Total Miles of City Streets Unpaved.....:	
Total Miles of City Streets Paved.....:	
Total Miles of All City Streets.....:	
Total Miles of Miscellaneous Roads.....:	<b>1.02</b>
Total Miles of All County Roads Types.....:	<b>49.92</b>
Total Miles of County Roads Paved.....:	<b>9.71</b>
Total Miles of County Roads Gravel.....:	<b>18.98</b>
Total Miles of County Roads Graded.....:	<b>7.92</b>
Total Miles of County Roads Unimproved.....:	<b>13.31</b>

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