

CEDS Indicators: Environment

| | |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Indicator: | Water Quality |
| Measure: | Streams on 303(d) list by county/region/state |
| Baseline: | Streams on the 2008 303(d) list |
| Data source: | Alabama Department of Environmental Management www.adem.state.al.us/WaterDivision/WQuality/303d/WQ303d.htm |
| Frequency of review: | Annual |

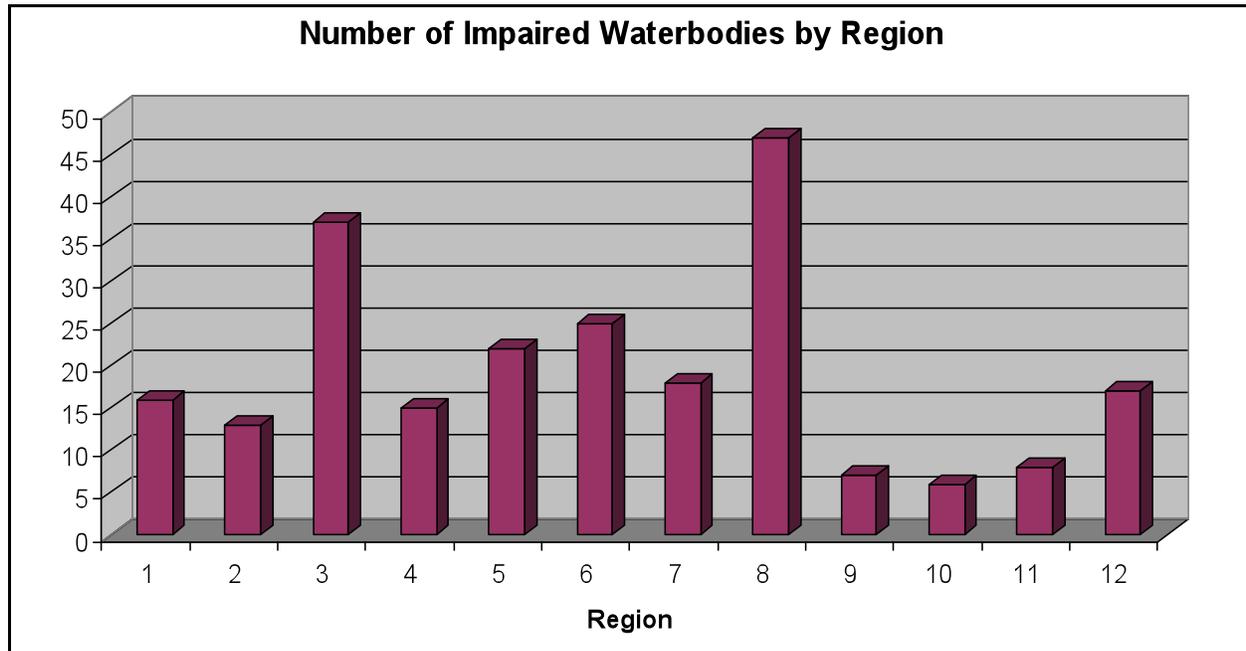
Water Quality is one of the most reliable indicators of environment quality since so many activities on the land and in the air, as well as on the water, will ultimate have an impact on water quality. Section 303(d) of the Clean Water Act requires that each state identify those waters that do not currently support designated uses, and to establish a priority ranking of these waters by taking into account the severity of the pollution and the designated uses of such waters. ADEM maintains a list of streams on the 303(d) list by river basin and by county that indicates the intended uses of the streams and the causes for listing.

Impaired Water Bodies by Region, 2010

| | Number of Impaired Water bodies | Impaired Stream Miles | Acreage of Impaired Open Water bodies |
|--------------|---------------------------------|-----------------------|---------------------------------------|
| Region 1 | 16 | 42 | 11,780 |
| Region 2 | 13 | 163 | 6,184 |
| Region 3 | 37 | 424 | 16,686 |
| Region 4 | 15 | 109 | 4,200 |
| Region 5 | 22 | 514 | 6,495 |
| Region 6 | 25 | 230 | 9,555 |
| Region 7 | 18 | 639 | 1,739 |
| Region 8 | 47 | 363 | 436,250 |
| Region 9 | 7 | 99 | 0 |
| Region 10 | 6 | 54 | 0 |
| Region 11 | 8 | 242 | 0 |
| Region 12 | 17 | 141 | 1,569 |
| Total | 231 | 3,021 | 494,458 |

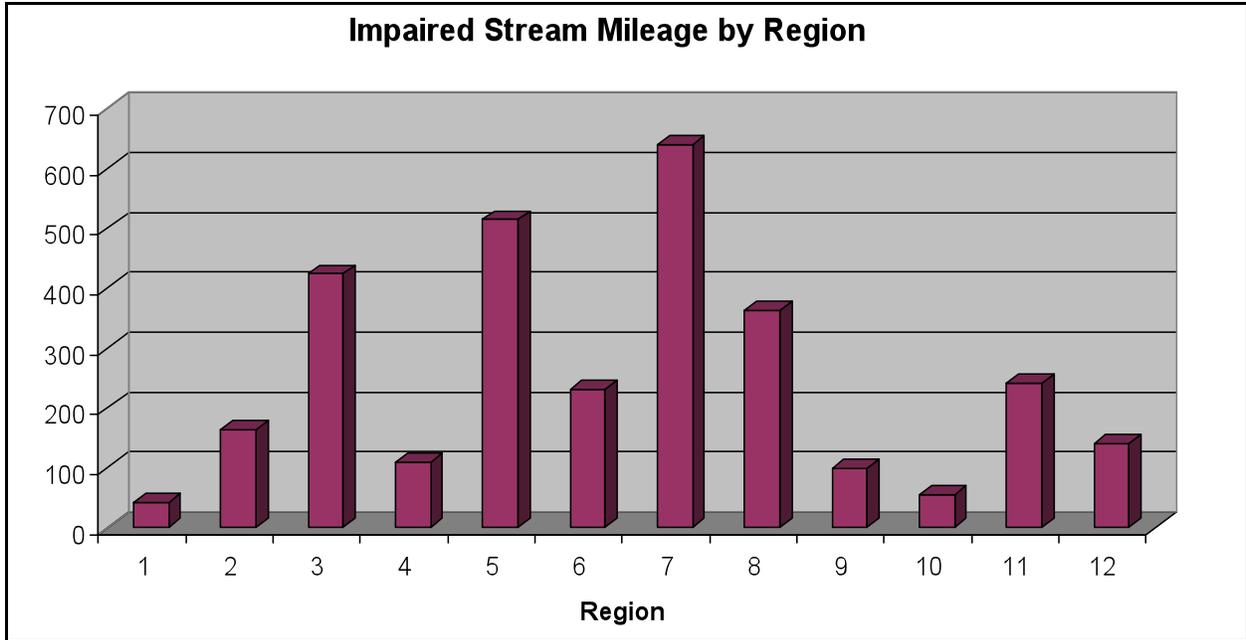
Source: Alabama Department of Environmental Management, Draft 2010 Section 303(d) List of Impaired Water bodies.

NOTE: The total mileage of impaired streams and the total acreage of impaired water bodies shown is higher than the actual impaired stream mileage and the actual acreage of impaired water bodies due to the repetition of some water bodies in two or more counties.



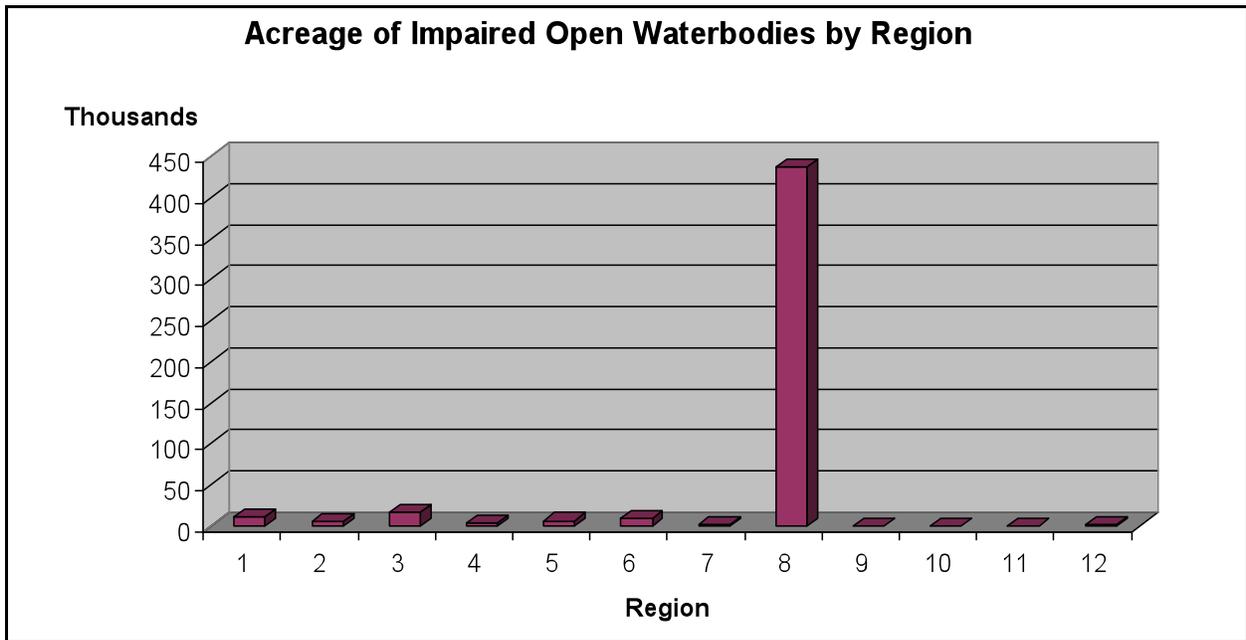
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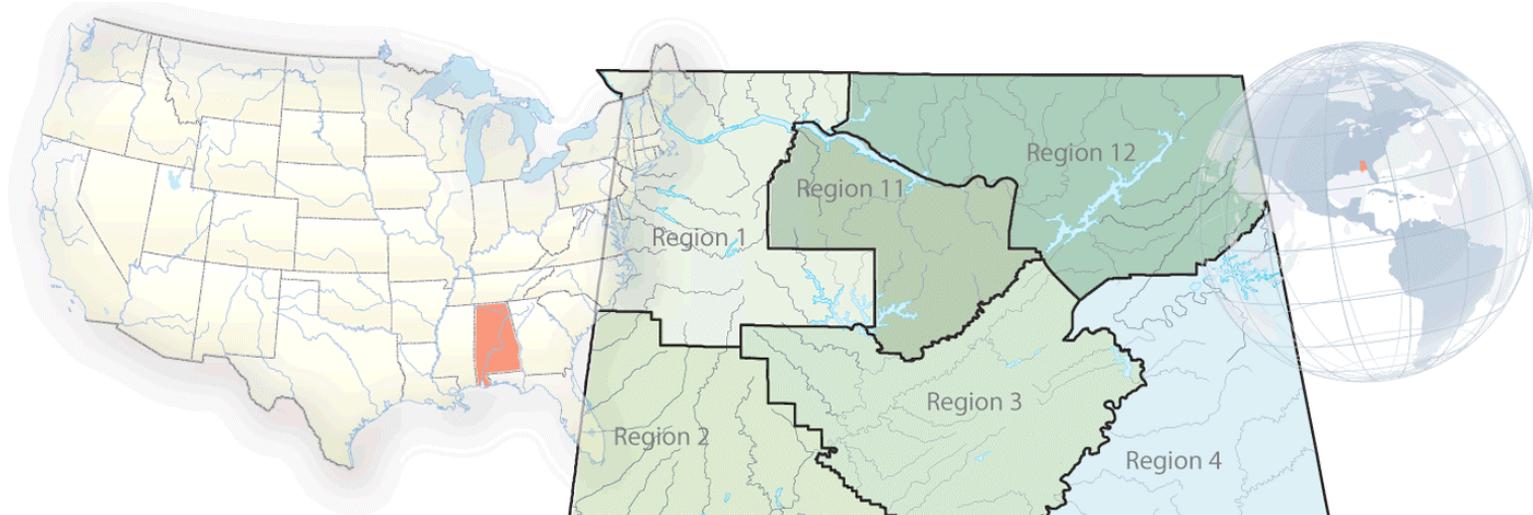
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Impaired Water Bodies by County, 2010

| County | Number of Impaired Water bodies | Impaired Stream Miles | Impaired Open Water body Acreage | County | Number of Impaired Water bodies | Impaired Stream Miles | Impaired Open Water body Acreage |
|-----------|---------------------------------|-----------------------|----------------------------------|--------------|---------------------------------|-----------------------|----------------------------------|
| Autauga | 2 | 35.58 | 0.00 | Houston | 3 | 14.24 | 0.00 |
| Baldwin | 26 | 217.94 | 198,412.80 | Jackson | 2 | 13.04 | 0.00 |
| Barbour | 3 | 184.46 | 1,739.13 | Jefferson | 13 | 141.15 | 0.00 |
| Bibb | 2 | 24.09 | 0.00 | Lamar | 0 | 0.00 | 0.00 |
| Blount | 8 | 124.46 | 0.00 | Lauderdale | 2 | 9.31 | 1,569.21 |
| Bullock | 2 | 179.60 | 0.00 | Lawrence | 1 | 7.78 | 0.00 |
| Butler | 1 | 9.23 | 0.00 | Lee | 4 | 33.96 | 0.00 |
| Calhoun | 0 | 0.00 | 0.00 | Limestone | 3 | 17.31 | 1,569.21 |
| Chambers | 0 | 0.00 | 0.00 | Lowndes | 0 | 0.00 | 0.00 |
| Cherokee | 3 | 20.51 | 0.00 | Macon | 6 | 79.66 | 0.00 |
| Chilton | 0 | 0.00 | 0.00 | Madison | 8 | 97.26 | 0.00 |
| Choctaw | 1 | 14.83 | 0.00 | Marengo | 1 | 11.42 | 0.00 |
| Clarke | 4 | 11.58 | 3,283.18 | Marion | 3 | 14.18 | 1,462.58 |
| Clay | 0 | 0.00 | 0.00 | Marshall | 4 | 13.57 | 0.00 |
| Cleburne | 1 | 30.78 | 0.00 | Mobile | 13 | 93.30 | 237,836.80 |
| Coffee | 4 | 176.63 | 0.00 | Monroe | 2 | 0.00 | 3,283.18 |
| Colbert | 2 | 15.14 | 0.00 | Montgomery | 5 | 63.38 | 0.00 |
| Conecuh | 1 | 14.48 | 0.00 | Morgan | 4 | 20.77 | 0.00 |
| Coosa | 8 | 17.69 | 3,954.14 | Perry | 2 | 19.09 | 0.00 |
| Covington | 1 | 26.45 | 0.00 | Pickens | 1 | 0.00 | 554.29 |
| Crenshaw | 11 | 85.12 | 6,494.58 | Pike | 2 | 160.53 | 0.00 |
| Cullman | 3 | 213.29 | 0.00 | Randolph | 1 | 30.78 | 0.00 |
| Dale | 2 | 26.46 | 0.00 | Russell | 2 | 20.29 | 0.00 |
| Dallas | 0 | 0.00 | 0.00 | St. Clair | 4 | 21.11 | 16,686.34 |
| DeKalb | 0 | 0.00 | 0.00 | Shelby | 3 | 43.94 | 0.00 |
| Elmore | 0 | 0.00 | 0.00 | Sumter | 1 | 1.86 | 0.00 |
| Escambia | 8 | 51.73 | 0.00 | Talladega | 0 | 0.00 | 0.00 |
| Etowah | 1 | 0.00 | 245.39 | Tallapoosa | 1 | 9.16 | 0.00 |
| Fayette | 2 | 54.66 | 0.00 | Tuscaloosa | 6 | 72.72 | 5,075.46 |
| Franklin | 4 | 3.83 | 3,551.17 | Walker | 9 | 93.15 | 0.00 |
| Geneva | 4 | 210.13 | 0.00 | Washington | 5 | 126.58 | 0.00 |
| Greene | 1 | 0.00 | 554.29 | Wilcox | 8 | 30.46 | 2,988.79 |
| Hale | 1 | 11.42 | 0.00 | Winston | 5 | 0.00 | 5,197.12 |
| Henry | 1 | 1.04 | 0.00 | Total | 231 | 3,021.13 | 494,457.66 |

Source: Alabama Department of Environmental Management, Draft 2010 Section 303(d) List of Impaired Water bodies.

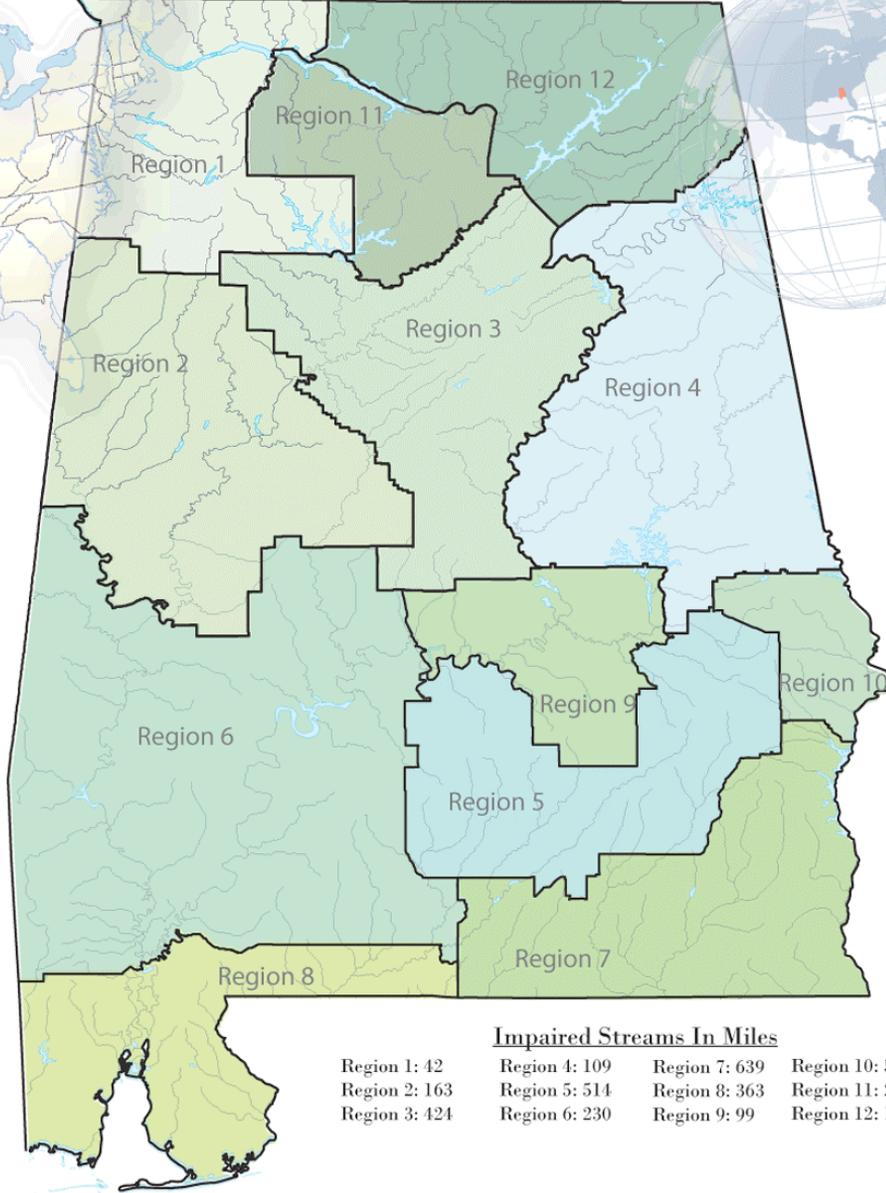
NOTE: The total mileage of impaired streams and the total acreage of impaired water bodies shown is higher than the actual impaired stream mileage and the actual acreage of impaired water bodies due to the repetition of some water bodies in two or more counties.



Number of Impaired Streams by Region

| | |
|----|-----------|
| 16 | Region 1 |
| 13 | Region 2 |
| 37 | Region 3 |
| 15 | Region 4 |
| 22 | Region 5 |
| 25 | Region 6 |
| 18 | Region 7 |
| 47 | Region 8 |
| 7 | Region 9 |
| 6 | Region 10 |
| 8 | Region 11 |
| 17 | Region 12 |

Streams



Impaired Streams In Miles

| | | | |
|---------------|---------------|---------------|----------------|
| Region 1: 42 | Region 4: 109 | Region 7: 639 | Region 10: 54 |
| Region 2: 163 | Region 5: 514 | Region 8: 363 | Region 11: 242 |
| Region 3: 424 | Region 6: 230 | Region 9: 99 | Region 12: 141 |

IMPAIRED STREAMS
ALABAMA ASSOCIATION OF REGIONAL COUNCILS

DATA SOURCE: 2010 ADEM LIST OF IMPAIRED WATER BODIES, ALABAMA SOIL & WATER CONSERVATION COMMITTEE 2007 REPORT