



Update on the Remediation of Illegal Dump Sites

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ADEM - Land Division

23rd Annual Nonpoint
Source Conference

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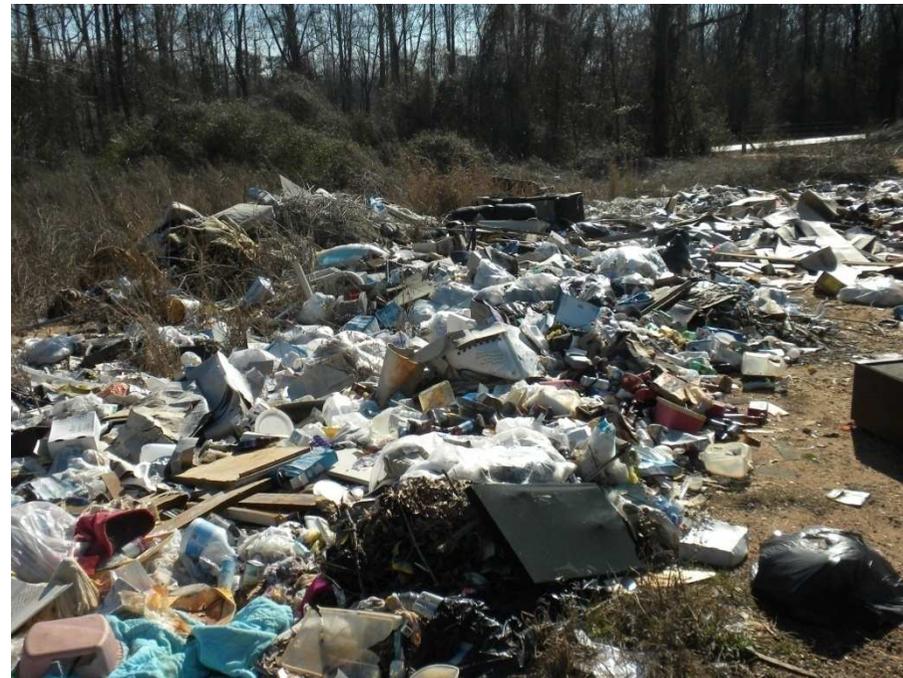
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Unauthorized Dumps and Scrap Tire Accumulations



ADEM Admin. Code r. 335-4-2
Scrap Tire Site Remediation



ADEM Admin. Code r. 335-13-11
Solid Waste Fund Site Remediation



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Unauthorized Dumps and Scrap Tire Accumulations

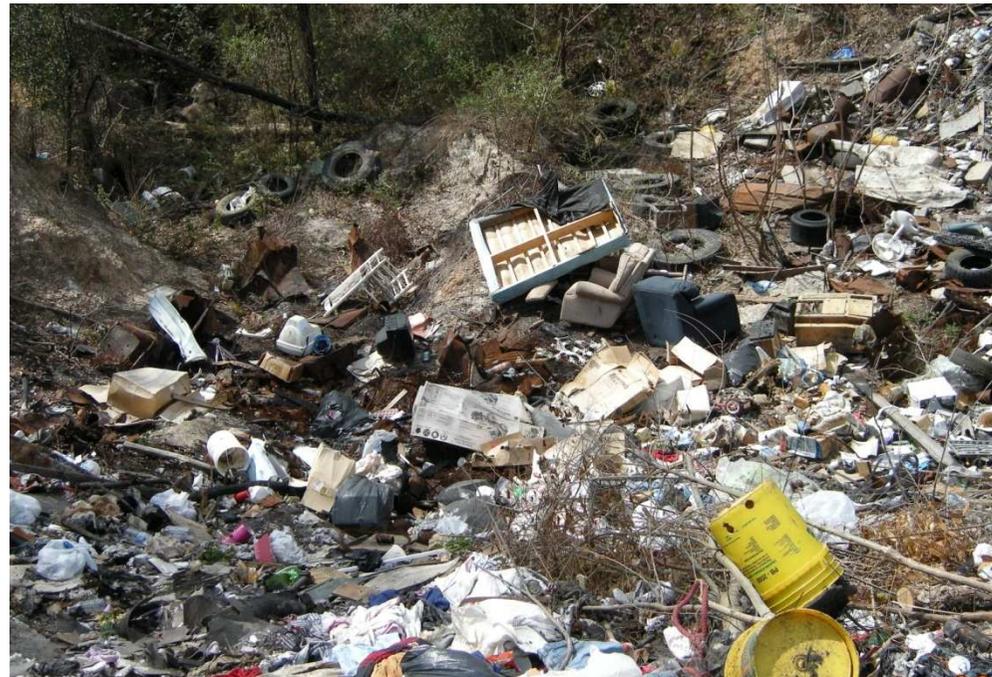
- Identify
 - ADEM staff
 - Public complaints
 - Local government (county engineers, county commissioners, solid waste officers)
 - Aerial Reconnaissance
- Investigate
 - State geographically divided among five inspectors
 - Obtain ranking criteria (quantity of material, types of waste, proximity to surface water, drinking water wells, environmental justice areas, and utilities)
 - Obtain GPS coordinates to determine property ownership



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Investigate: Types of Solid Wastes

- Household Garbage
- Construction & Demolition Wastes
(such as lumber, shingles, and sheetrock)
- Industrial Wastes
- Electronics
- Furniture
- Appliances
- Scrap Metal
- Scrap Tires





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Unauthorized Dumps and Scrap Tire Accumulations

- Information Gathering
 - Notice of Deficiency issued to property owner/responsible party
 - Thirty days to respond to Department
 - Review response of property owner
- Evaluate
 - Responsible Party or
 - Innocent Landowner
- *Primary tool for remediation is through enforcement action*
- When responsible party refuses to remediate dump site or the property owner is deemed innocent, the clean-up of those sites may be eligible for funding using the Solid Waste Fund or the Scrap Tire Fund



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Funding

Where does the funding come from (Solid Waste Fund)?

Disposal Fees at Landfills

- \$1.00 per ton or \$0.25 per cubic yard on all solid waste disposed in Alabama-i.e. municipal solid waste (MSW) landfill, construction and demolition (C/D) landfill, industrial waste landfill

Where does the funding come from (Scrap Tire Fund)?

Fees on Purchase of Tires

- \$1.00 per tire on all new or used tires sold



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Funded Remediation Projects

After determining innocent landowner status:

- Use ranking criteria to prioritize remediation activities
- Map location of each dump site using mapping software (for internal use only)
- When site ranks high enough, execute site access agreement with property owner
- Contact local governments for interest in site remediation via Interagency Cooperative Agreements (ICA)



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Funded Remediation Projects

If local governments are not interested:

- Publish public notice of proposed remediation project
 - Closest daily newspaper to dump site; and
 - The Department's website:
www.adem.state.al.us/newsEvents/publicNotices.cnt
- Conduct mandatory bid preview meeting for contractors at dump site
- Hold competitive bid process
- Low bidder notified and remediation plan requested

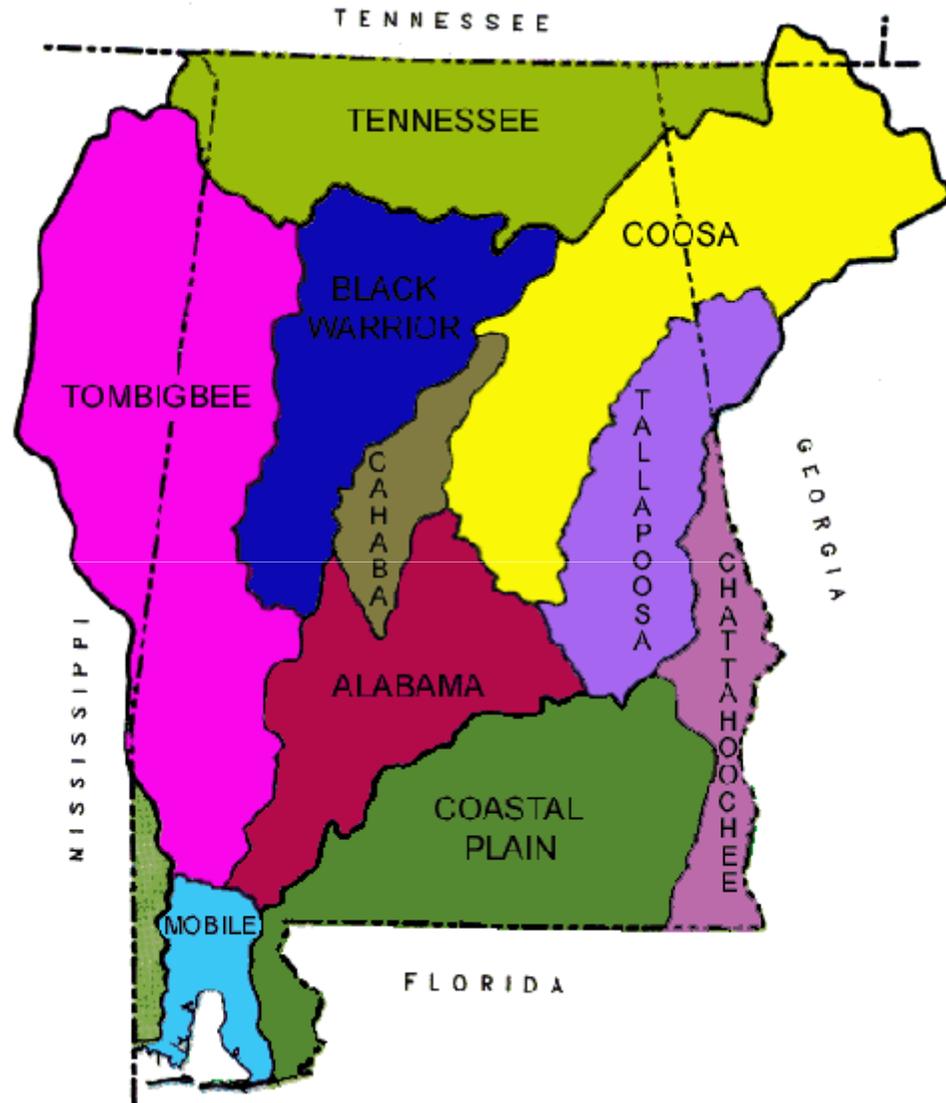


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Funded Remediation Projects

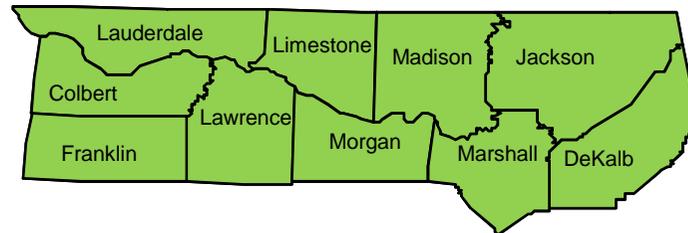
- Review and approve professional engineer-prepared remediation plan
- Contract signing
- Issue Notice to Proceed (must initiate remediation activities within ten days of NTP)
- Oversee remediation activities by contractor
- Payment to contractor after project completed and approved by Department personnel

ALABAMA WATERSHEDS



TENNESSEE WATERSHED

1,838 PTE and
56 tons regulated solid waste



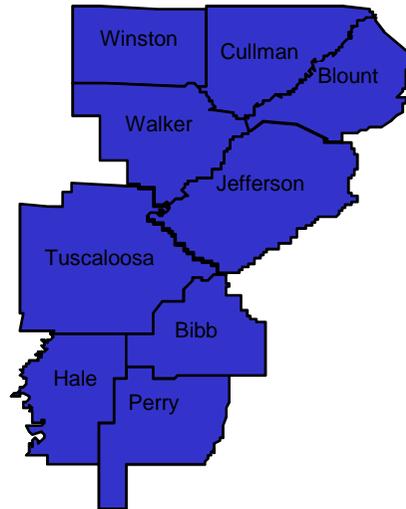
COOSA WATERSHED

2,954 PTE and
503 tons regulated solid waste



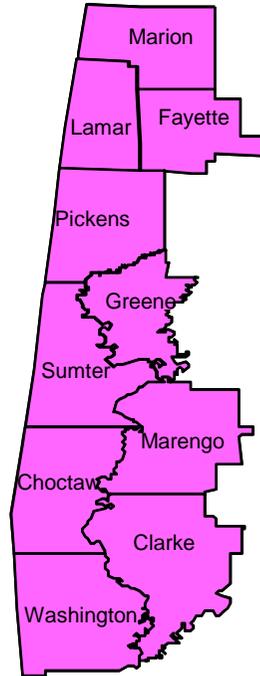
BLACK WARRIOR WATERSHED

26,126 PTE and
4,496 tons regulated solid waste



TOMBIGBEE WATERSHED

19,237 PTE and
4,633 tons regulated solid waste



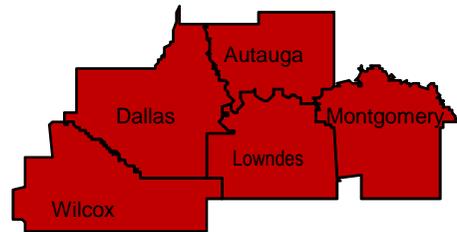
MOBILE WATERSHED

2,510 PTE and
400 tons regulated solid waste



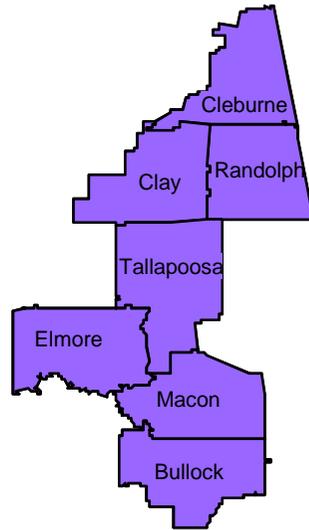
ALABAMA WATERSHED

13,067 PTE and
5,586 tons regulated solid waste



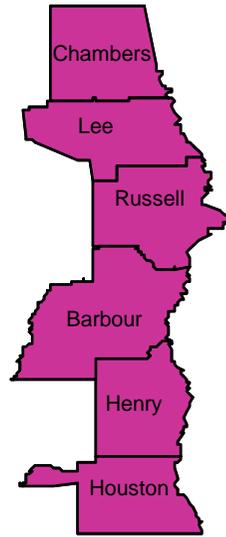
TALLAPOOSA WATERSHED

2,664 PTE and
3,572 tons regulated solid waste



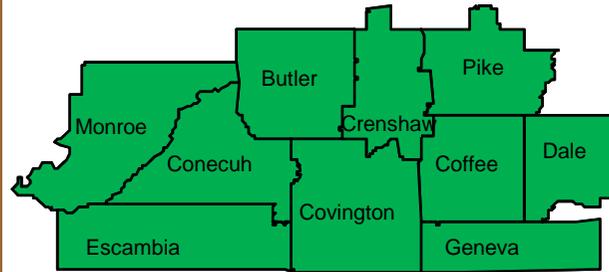
CHATTAHOOCHEE WATERSHED

16,335 PTE and
180 tons regulated solid waste



COASTAL PLAIN WATERSHED

17,210 PTE and
2,718 tons regulated solid
waste





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Unauthorized Dump Site Remediation Projects

Solid Waste Fund (since program inception in June 2009)

- 371 identified unauthorized dump sites (UAD)-Fund eligible and ranked
- 17 remediation projects currently in progress
- 132 remediation projects completed
- Expenditures of nearly \$4 million
- Approximately 22,400 tons of solid waste removed/disposed from the completed remediation projects

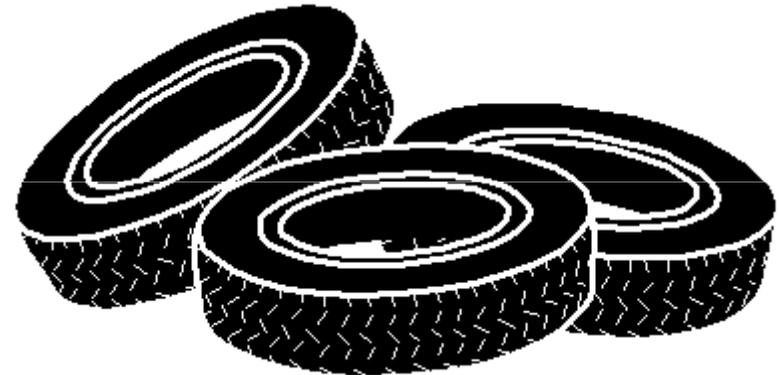


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Small Scrap Tire Site Remediation Projects

Scrap Tire Fund FY 2010

- 25 projects totaling ~\$380,000
- Approximately 57,000 passenger tire equivalents (PTE) removed from the completed projects



Scrap Tire Fund FY 2011

- 14 projects totaling ~\$226,150
- Approximately 40,000 PTE removed from the completed projects

Scrap Tire Fund FY 2012

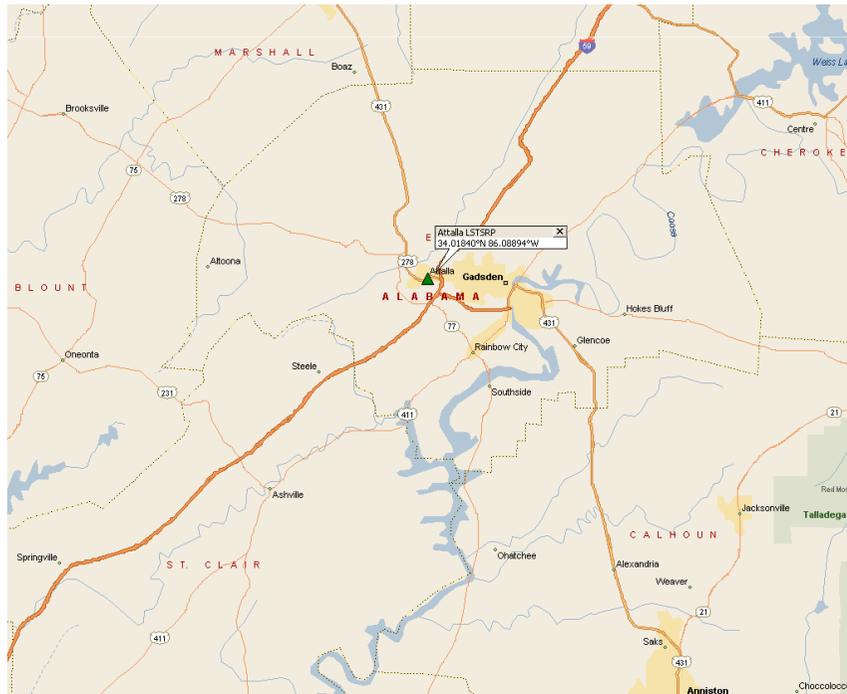
- 19 projects currently ranked and in various stages of remediation



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Large Scrap Tire Site Remediation Project

- Attalla, Etowah County
 - Approximately 4,200,000 tires removed
 - Cost for project ~\$3.7 million

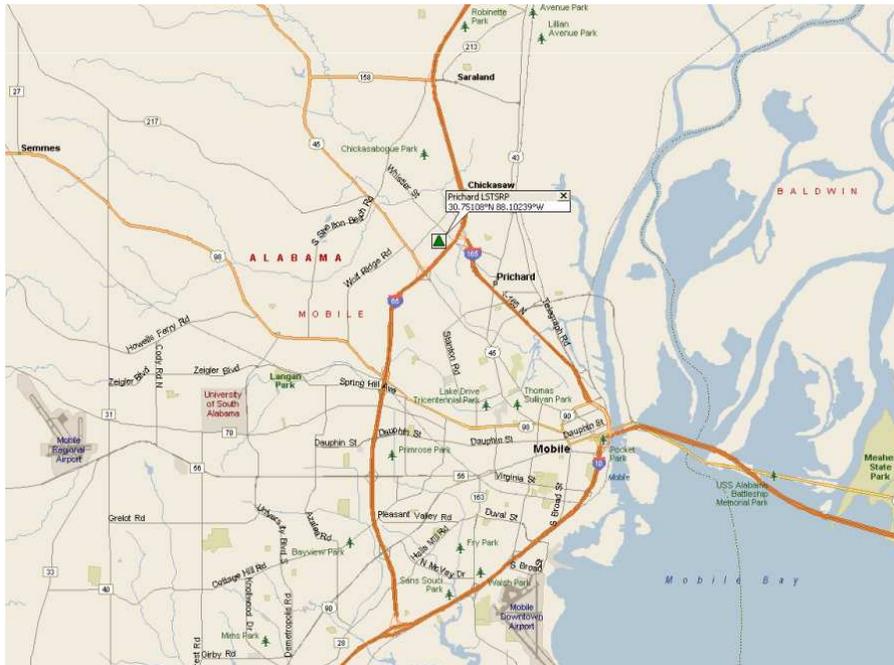


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Large Scrap Tire Site Remediation Project

- Prichard, Mobile County
 - Approximately 1,300,000 tires removed
 - Cost for project ~\$800,000

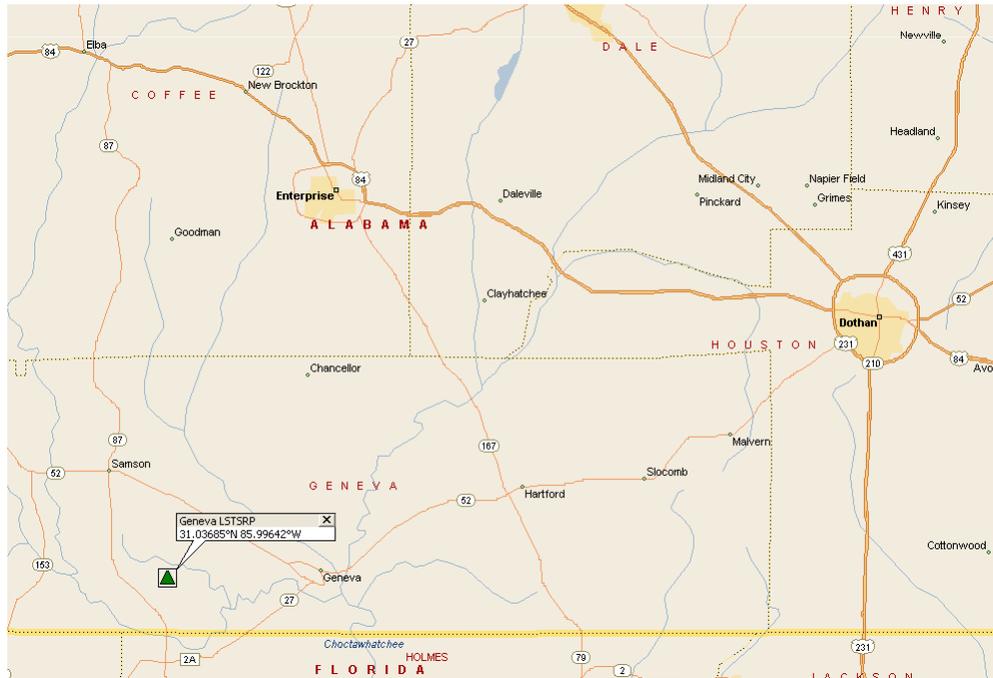




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Large Scrap Tire Site Remediation Projects

- Samson, Geneva County
 - Approximately 1,570,000 tires removed
 - Cost for project ~\$1,200,000

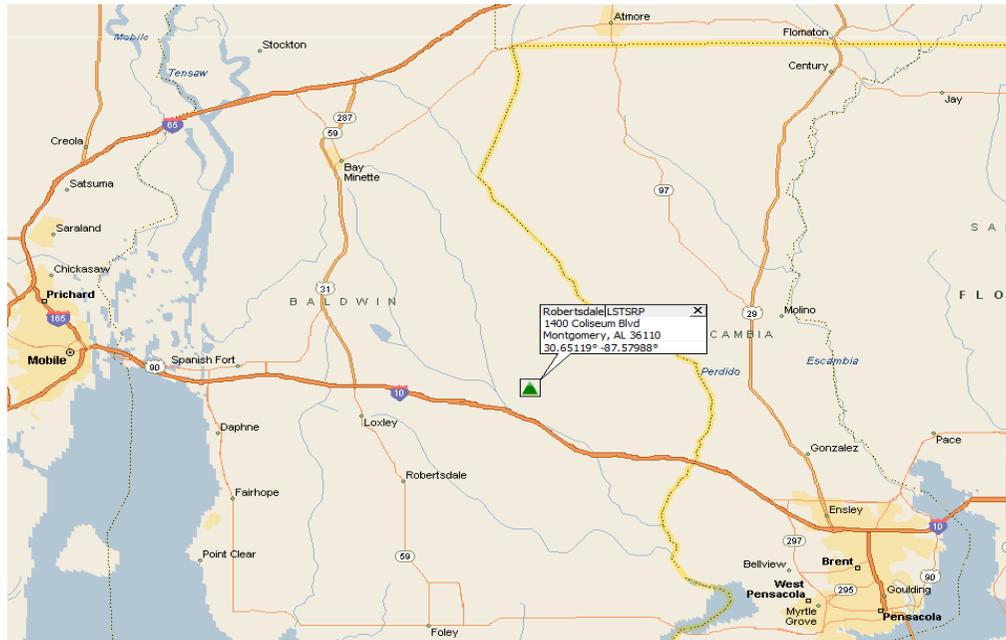




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Large Scrap Tire Site Remediation Projects

- **Robertsdale, Baldwin County**
 - Approximately 70,000 tires removed
 - Cost for project \$86,000





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Discarded Tire Clean-Up County Right-of-Ways

- Utilizes Scrap Tire Funding
- Every county has been contacted about the interagency cooperative agreement (ICA)
- ICA can be renewed annually for up to \$100,000 in reimbursement to assist with discarded tires on county right-of-ways
- 29 counties have entered into an ICA with ADEM





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Discarded Tire Clean-Up County Right-of-Ways

Eligible Items for Reimbursement

- Personnel
- Equipment
- Disposal/Beneficial Use of Discarded Tires

Activities To-Date

- Removed approximately 5,200 passenger tire equivalents from participating county's right-of-ways
- Reimbursed counties nearly \$200,000

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DISCARDED SCRAP TIRE REMEDIATION \$100,000 REIMBURSEMENT PROGRAM



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QUESTIONS??

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